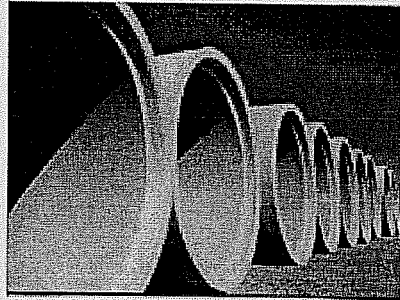


COASTAL PIPELINE

Products Corp.

Product Catalog

2nd Edition



P.O. Box 575
55 Twomey Avenue
Calverton, New York 11933
(631) 369-4000
Fax (631) 369-4006



New York State
Concrete Pipe Association

Concrete Proof Of Excellence Since 1988

Contact Information

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COASTAL PIPELINE

Products Corp.

P.O Box 575, 55 Twomey Ave. Calverton, NY 11933
(631) 369-4000 Fax (631)369-4006
www.coastalpipeline.com

Founded in 1988, Coastal Pipeline Products Corp. has been a prominent supplier of precast concrete products and reinforced concrete pipe to the Long Island and New York Metropolitan area.

We are approved suppliers for all area agencies including the New York State DOT, Port Authority of NY/NJ, Nassau County DPW, Suffolk County DPW, The Transit Authority, Town of Hempstead, The New York City DDC, and The New York City DEP. We are also a National Precast Concrete Association Certified quality plant as well as a NYSDOT QC/QA qualified producer.

The collection of product drawings contained herein is a sampling of our capabilities, highlight past projects, and present some standard items. We are a custom shop able to build to your designs and we are eager to help with your design process if needed.

Please do not hesitate to contact our Sales team or myself if you have questions regarding our products and capabilities, or if there is an immediate project that we may be of assistance.

Sincerely,

Donald O. Raymond, Ext. 211
Operations Manager



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REINFORCED CONCRETE PIPE 42" - 72"	RCP-2
REINFORCED CONCRETE PIPE END SECTION 12" - 36"	CP 102
TEMPORARY CONCRETE MEDIAN BARRIER	TEMP BARR
TEMPORARY CONCRETE MEDIAN BARRIER END SECTION	BARR-ES

STANDARD DRAINAGE BOXES

NYC DEP PRECAST CONCRETE 6" VALVE MANHOLE	6VL
NYC DEP PRECAST CONCRETE BLOWOFF MANHOLE	4BO
NYC DEP PRECAST CONCRETE 12" VALVE CHAMBER	12VLCH
NYC DEP PRECAST CONCRETE 20" VALVE CHAMBER	20VLCH
NASSAU COUNTY DPW TYPE A CATCH BASIN	NC-ACB
NASSAU COUNTY DPW TYPE A MODIFIED CATCH BASIN	NC-AModCB
NASSAU COUNTY DPW TYPE C CATCH BASIN	NC-ATYC
NASSAU COUNTY DPW TYPE C MODIFIED CATCH BASIN	NC-CModCB
NASSAU COUNTY DPW TYPE 1 & 2 CATCH BASIN	NC-1CB
NASSAU COUNTY DPW TYPE 1 MODIFIED CATCH BASIN	NC-1MCB
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TOWN OF OYSTER BAY TYPE D CATCH BASIN	TOB-DCB
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PRECAST CONCRETE 60" DIA NASSAU CO. DPW DROP SANITARY MANHOLE	NC5DR
PRECAST CONCRETE 60" DIA NASSAU CO. DPW TYPE 3 STORM MANHOLE	NC5ST
PRECAST CONCRETE 72" DIA NASSAU CO. DPW TYPE 3 STORM MANHOLE	NC5ST
PRECAST CONCRETE 72" DIA NASSAU CO. DPW DROP STORM MANHOLE	NC6DDSA
PRECAST CONCRETE 72" DIA NASSAU CO. DPW TYPE 3 STORM MANHOLE	NC6ST
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PRECAST CONCRETE 12'0" DIAMETER CIRCULAR SLAB	SL12

YARD DRAINS, SKIN KNOCKOUT BOXES, AREA DRAINS

PRECAST CONCRETE 24" DIAMETER DRAIN INLET	2DI
PRECAST CONCRETE 48" OUTSIDE DIAMETER AREA DRAIN	4AD
PRECAST CONCRETE 4'0"X4'0" ID SKIN KNOCKOUT CATCH BASIN	SKOBOX
PRECAST CONCRETE 2'6"X4'0" ID SKIN KNOCKOUT CATCH BASIN	SKOBOX
PRECAST CONCRETE 2'0"X2'0" ID YARD DRAIN	YD-6
PRECAST CONCRETE 2'0"X2'0" ID YARD DRAIN W/ TOP SLAB	YD-2

Notes

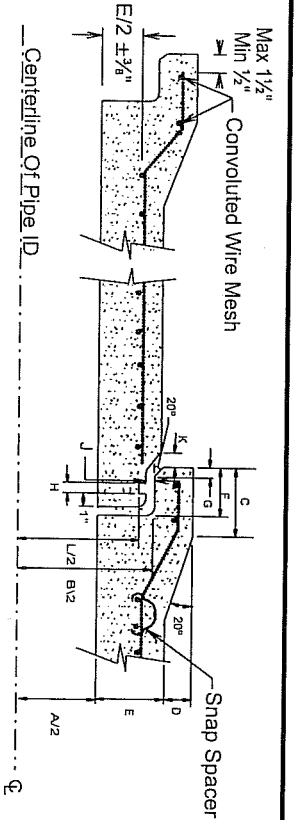
- Pipe shall be manufactured using a C.R.P. Packerhead Machine.
- Pipe shall be cured in tent enclosures using steam in accordance with NYS DOT 706-02. As alternate curing method between April 1 and November 1 pipe to be cured using the controlled atmospheric method and kept in tent area for first twelve hours as per NYS DOT 706-02. Concrete mix shall be:
 - Cement: 3/4" Stone Sand Production Tolerance Compressive Strength
 - Class II-IV 700#/cy 1200#/cy 1900#/cy ± 2% 4000psi @ 28 Days
 - Class V 725#/cy 1185#/cy 1890#/cy ± 2% 6000psi @ 28 Days
- Gradation of course aggregate (3/4" Blue Stone) shall be as follows:
 - 1" - 100% Passing 1/2" - 90-100% Passing 3/4" - 0-15% Passing
- The minimum and maximum spacing of the circumferential reinforcement shall be 2" & 3" respectively. Each cage of reinforcement shall contain sufficient longitudinal members extending throughout the entire length of the pipe section to maintain the reinforcement shape and correct position.
- Placement of reinforcement shall be as indicated. Cage position shall be maintained by a minimum of 6 snap spacers, 3 placed near the tongue of the pipe and 3 near the bell, all evenly spaced around the perimeter of the cage. When 2 links of reinforcement are required, the snap spacers shall be replaced by stirrup spacers.
- Lift holes shall be 2 1/2" in diameter and located at the C.G. of pipe. Hole is to be formed by pointed hand trowel, installed as required.
- Elastic "O-ring" gaskets shall be 2 1/32" or 5/8" dia. (± 0.15(± 3%)) and conform to ASTM C-443-85A. "O-ring" diameter=40. Tolerance of annular space shall be ± 1/4". Laying length = 80"
- Laying length = 80"

Dim	Dim Toler	Description	Units	12"Ø	15"Ø	18"Ø	24"Ø	30"Ø	36"Ø
A	± 0.125	Inside Diameter	Inches	12.00	15.00	18.00	24.00	30.00	36.00
B	± 0.063	Joint Diameter	Inches	15.28	18.78	22.16	29.14	36.01	42.88
C	± 0.125	Bell Length	Inches	5.00	5.00	5.00	6.00	7.00	7.50
D	± 0.125	Bell Modification	Inches	2.00	2.25	2.50	2.75	3.11	3.63
E	± 0.125	Wall Thickness	Inches	2.00	2.25	2.50	3.00	3.50	4.00
F	± 0.125	Joint Depth	Inches	3.53	3.63	3.63	3.88	4.00	4.00
G	± 0.125	Entrance Slope	Inches	0.88	0.88	0.88	0.88	0.88	0.88
H	± 0.125	Gasket Groove Width	Inches	0.813	0.813	0.813	0.813	0.813	0.813
J	± 0.125	Cont. to Conc. Clearance	Inches	0.063	0.063	0.063	0.063	0.063	0.063
K	± 0.25	Bell To Sigdal Clearance	Inches	0.25	0.25	0.25	0.25	0.25	0.25
L	± 0.063	Inside Groove Diameter	Inches	14.55	18.05	21.43	28.41	35.27	42.15

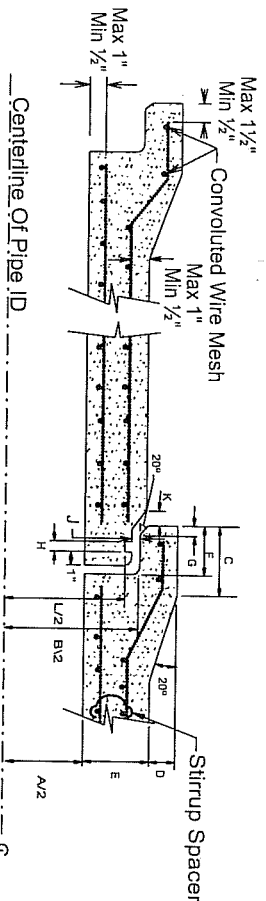
Steel Reinforcement Data and Pipe Detail ASTM C-76

Class	III	IV	V
Class III	Inside Sq./In./Foot	0.07	0.07
	Outside Sq./In./Foot	J-1	J-1
Class IV	Inside Sq./In./Foot	0.07	0.10
	Outside Sq./In./Foot	J-1	J-1
Class V	Inside Sq./In./Foot	0.10	0.14
	Outside Sq./In./Foot	J-1	J-2

Note A - AS AN ALTERNATIVE, SINGLE CAGE REINFORCEMENT MAY BE USED WITH AN AREA IN SQ. IN PER FOOT OF .30 AS PER ASTM C-76 FOR WALL B.



Pipe Detail J-1 ASTM C-76 Wall B



Pipe Detail J-2 ASTM C-76 Wall A

COASTAL PIPELINE PRODUCTS CORP.
 (631)366-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____
 Contractor: _____

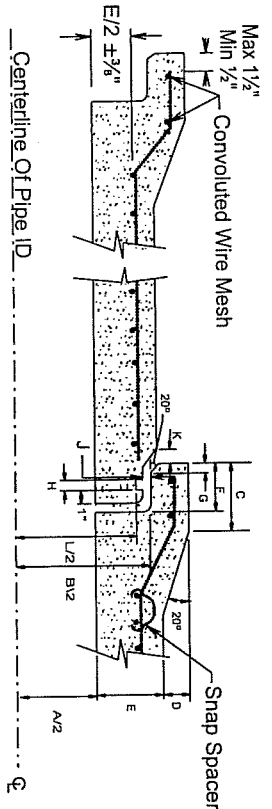
Product: _____
 Class: _____ O-Ring _____ Slip Joint _____

Scale: _____ date _____ dwn. by _____ dwg. no. _____

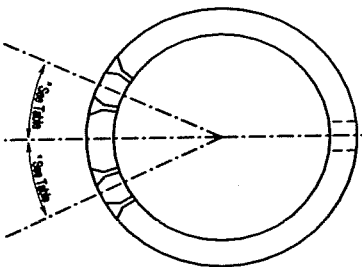
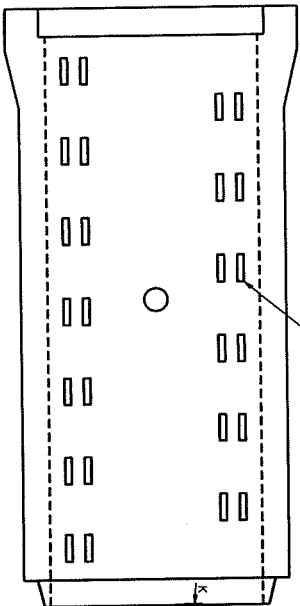
As-Noted 12-8-93 G.S.E. RCP-1

Notes

- Pipe shall be manufactured using a C.R.P. Packhead Machine.
- Pipe shall be cured in tent enclosures using steam in accordance with NYSDOT 706-02. As alternate curing method between April 1 and November 1 pipe to be cured using the controlled atmospheric method and kept in tent area for first twelve hours as per NYSDOT 706-02.
- Concrete mix shall be:
 - Cement 3/4" Stone Sand Production Tolerance Compressive Strength
 - Class II-IV 700#/cy 1200#/cy 1900#/cy ±2% 4000psi @ 28 Days
 - Class V 725#/cy 1185#/cy 1890#/cy ±2% 6000psi @ 28 Days
- Gradation of coarse aggregate (3/4" Blue Stone) shall be as follows:
 - 1" - 100% Passing 1/2" - 90-100% Passing 3/4" - 0-15% Passing
 The minimum and maximum spacing of the circumferential reinforcement shall be 2' & 3' respectively. Each cage of reinforcement shall contain sufficient longitudinal members extending throughout the entire length of the pipe section to maintain the reinforcement shape and correct position.
- Placement of reinforcement shall be as indicated. Cage position shall be maintained by a minimum of 6 snap spacers, 3 placed near the tongue of the pipe and 3 near the bell, all evenly spaced around the perimeter of the cage. When 2 links of reinforcement are required, the snap spacers shall be replaced by stirrup spacers.
- Lift holes shall be 2 1/2" in diameter and located at the C.G. of pipe. Hole is to be formed by pointed hand trowel, installed as required.
- Perforations shall be staggered and arranged equally spaced in parallel rows along one half of the circumference of the pipe.
- Laying length = 80"
- All Requirements of NYSDOT Standard Specifications for the Manufacturing of Reinforced Concrete Pipe, Section 706-02 shall be complied with.



Pipe Detail J-1 ASTM C-76 Wall B

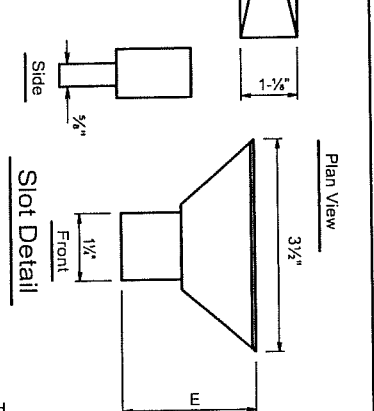


Dim	Dim Toler	Description	Units	12"Ø	15"Ø	18"Ø	24"Ø	30"Ø	36"Ø
A	± 0.125	Inside Diameter	Inches	12.00	15.00	18.00	24.00	30.00	36.00
B	± 0.063	Joint Diameter	Inches	15.28	18.78	22.16	29.14	36.01	42.88
C	± 0.125	Bell Length	Inches	5.00	5.00	5.00	6.00	7.00	7.50
D	± 0.125	Bell Modification	Inches	2.00	2.25	2.50	2.75	3.13	3.63
E	± 0.125	Wall Thickness	Inches	2.00	2.25	2.50	3.00	3.50	4.00
F	± 0.125	Joint Depth	Inches	3.63	3.63	3.63	3.88	4.00	4.00
G	± 0.125	Entrance Slope	Inches	0.88	0.88	0.88	0.88	0.88	0.88
H	± 0.125	Gasket Groove Width	Inches	0.813	0.813	0.813	0.813	0.813	0.813
J	± 0.125	Conn. to Conc. Clearance	Inches	0.063	0.063	0.063	0.063	0.063	0.063
K	± 0.25	Bell To Spigot Clearance	Inches	0.25	0.25	0.25	0.25	0.25	0.25
L	± 0.063	Inside Groove Diameter	Inches	14.55	18.05	21.43	28.41	35.27	42.15

Steel Reinforcement Data and Pipe Detail ASTM C-76

Class	III	IV
Inside Sq. In./Foot	0.07	0.07
0.07	0.10	0.14
0.27	0.35	0.47
0.17	0.25	0.35

Note A-- AS AN ALTERNATIVE, SINGLE CAGE REINFORCEMENT MAY BE USED WITH AN AREA IN SQ. IN PER FOOT OF .30 AS PER ASTM C-76 FOR WALL B.



Added 36" Dia., Perforated Pipe

COASTAL PIPELINE PRODUCTS CORP.
 (631)369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____

Contractor: _____

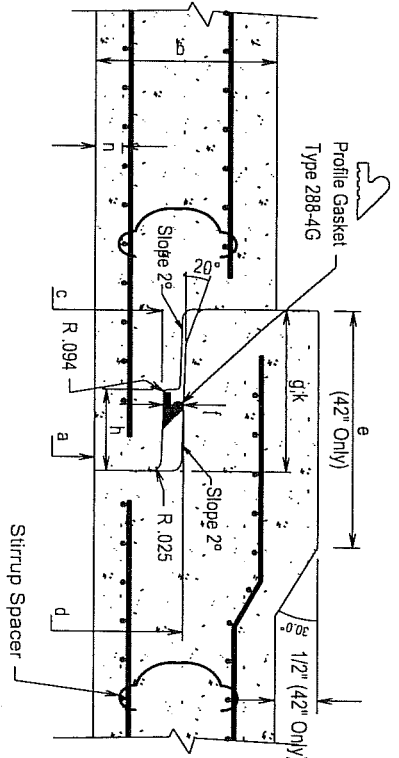
Product: Slotted Reinforced Concrete Pipe

Class: _____

scale: _____ date: _____ dwn. by: _____

As-Noted 12-8-93 G.S.E.

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Pipe Joint Detail ASTM C-76 Wall B

Table Of Dimensions

	TOL.	PIPE SIZE							
a	Inside Diameter	in.	±0.375	42	48	54	60	66	72
b	Wall Thickness	in.	±0.180	4.50	5.00	5.50	6.00	6.50	7.00
c	Dia @ Inner Gasket	in.	±0.030	45.421	51.921	57.949	64.349	70.515	77.015
d	Dia @ Outer Gasket	in.	±0.030	46.421	52.921	58.949	65.349	71.515	78.015
e	Bell Length	in.	±0.250	8.00	N.A.	N.A.	N.A.	N.A.	N.A.
f	Gasket Annular Space	in.	±0.063	.500	.500	.500	.500	.500	.500
g	Spigot Length	in.	±0.125	4.00	4.00	5.00	5.00	5.00	5.00
h	Groove Offset	in.	±0.125	2.00	2.00	2.00	2.00	2.00	2.00
k	Bell Depth	in.	±0.125	4.00	4.00	5.00	5.00	5.00	5.00
n	Cover	in.	+0.500	1.00	1.00	1.00	1.00	1.00	1.00

Table Of Concrete Strength And Reinforcement (sq. in. / linear ft of pipe wall)

Size	Class III Wall B Strength Inner Outer Cage Cage	Class IV Wall B Strength Inner Outer Cage Cage	Class V Wall B Strength Inner Outer Cage Cage
42	4000 psi 0.21 0.13	4000 psi 0.35 0.21	6000 psi 0.60 0.36
48	4000 psi 0.24 0.14	4000 psi 0.42 0.25	6000 psi 0.73 0.44
54	4000 psi 0.29 0.17	4000 psi 0.50 0.30	6000 psi Special Design
60	4000 psi 0.34 0.20	5000 psi 0.59 0.35	6000 psi Special Design
66	4000 psi 0.41 0.25	5000 psi 0.69 0.41	6000 psi Special Design
72	4000 psi 0.49 0.29	5000 psi 0.79 0.47	6000 psi Special Design

Notes

- Pipe shall be manufactured :

Method	Machine Type
Wet	Machine
X	Teksam VUX 2500/180 Vibrating Table
- Pipe shall be cured in tent enclosures using steam in accordance with NYS DOT 706-02. As alternate curing method kept between April 1 and November 1 pipe to be cured using the controlled atmospheric method and kept in tent area for first twelve hours as per NYS DOT 706-02.
- Concrete mix shall be:
- Gradation of course aggregate (¾" Blue Stone) shall be as follows:
 1" - 100% Passing ½" - 90-100% Passing ¾" - 0-15% Passing
- The minimum and maximum spacing of the circumferential reinforcement shall be 2" & 3" respectively. Each cage of reinforcement shall contain sufficient longitudinal members extending throughout the entire length of the pipe section to maintain the reinforcement shape and correct position.
- Placement of reinforcement shall be as indicated. Cage position shall be maintained by a minimum of 6 snap spacers, 3 placed near the tongue of the pipe and 3 near the bell, all evenly spaced around the perimeter of the cage. When 2 links of reinforcement are required, the snap spacers shall be replaced by stirrup spacers.
- Lift holes shall be 2½" in diameter and located at the C. G. of pipe. Hole is to be formed by pointed hand trowel, installed as required.
- Elastomeric profile gaskets shall be Press-seal 288-4G or equal and shall conform to ASTM C-443 and AASHTO M-198.
- Laying length = 8'0"

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COASTAL PIPELINE
(631)369-4000 PRODUCTS CORP.
P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____

Contractor: _____

Product: _____

Class: _____

Scale: _____

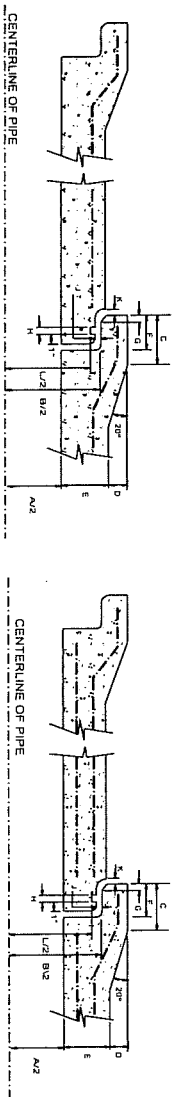
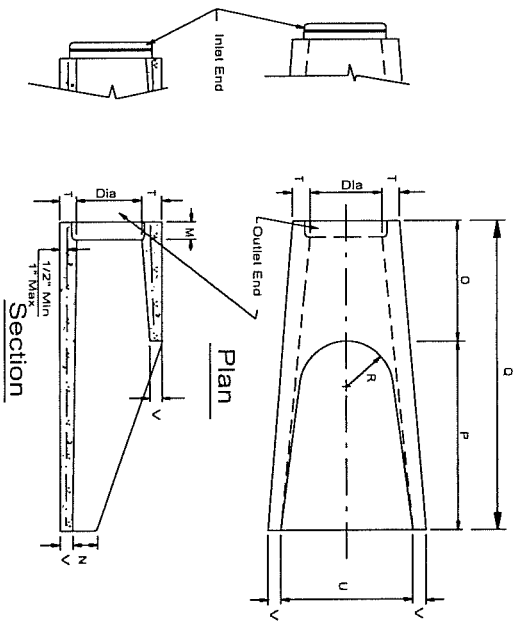
As-Noted

Ø Reinforced Concrete Pipe

O-Ring Slip Joint

date _____ dwm. by _____

12-13-02 G.S.E. RCP-2



Pipe Detail J-1 ASTM C-76 Wall B

Pipe Detail J-2 ASTM C-76 Wall B

DIM	DIM TOLAR	DESCRIPTION	UNITS	12"	15"	18"	24"	30"	36"
A	± 0.125	INSIDE DIAMETER	INCHES	12.00	15.00	18.00	24.00	30.00	36.00
B	± 0.063	JOINT DIAMETER	INCHES	13.28	16.78	22.16	29.14	36.01	42.88
C	± 0.125	BELL LENGTH	INCHES	5.00	5.00	5.00	6.00	7.00	7.50
D	± 0.125	BELL MODIFICATION	INCHES	2.00	2.25	2.50	2.75	3.13	3.63
E	± 0.125	WALL THICKNESS	INCHES	2.00	2.25	2.50	3.00	3.50	4.00
F	± 0.125	JOINT DEPTH	INCHES	3.63	3.63	3.63	4.00	4.00	4.00
G	± 0.125	ENTRANCE SLOPE	INCHES	0.88	0.88	0.88	0.88	0.88	0.88
H	± 0.125	GASKET GROOVE WIDTH	INCHES	0.813	0.813	0.813	0.813	0.813	0.813
J	± 0.125	CONC TO CONC SPACE	INCHES	0.063	0.063	0.063	0.063	0.063	0.063
K	± 0.125	TOLERANCE	INCHES	0.125	0.125	0.125	0.125	0.125	0.125
L	± 0.063	INSIDE GROOVE DIAMETER	INCHES	14.55	18.05	21.43	28.41	35.27	42.15

Note A-- AS AN ALTERNATIVE, SINGLE CAGE REINFORCEMENT MAY BE USED WITH AN AREA IN SQ. IN PER FOOT OF .30 AS PER ASTM C-76 FOR WALL B.

STEEL REINFORCEMENT DATA AND PIPE DETAIL ASTM C-76 CLASS III INSIDE SQ. IN./ FT. J-1 0.07 J-1 0.07 J-1 0.07 J-1 0.07 J-1 0.18 J-1 0.17

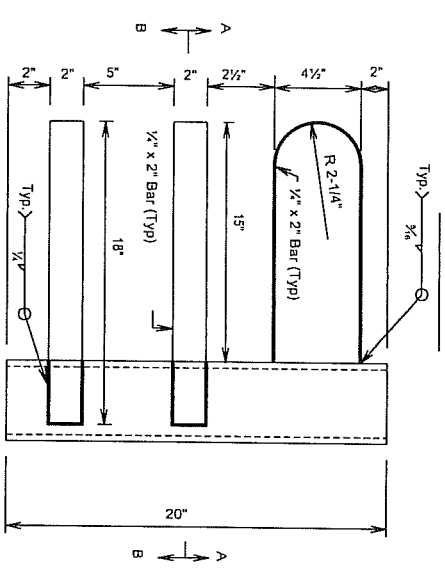
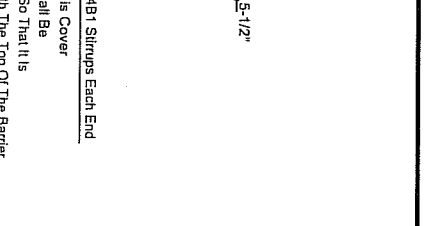
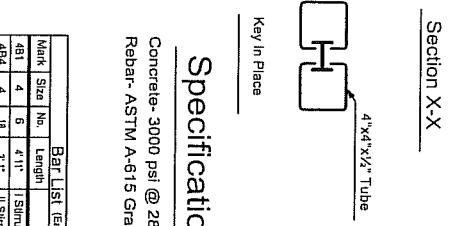
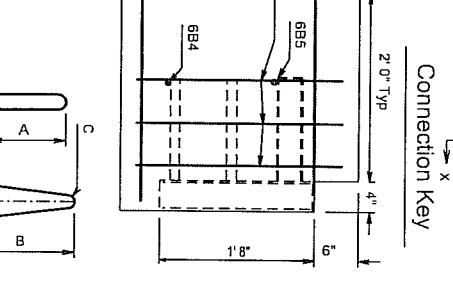
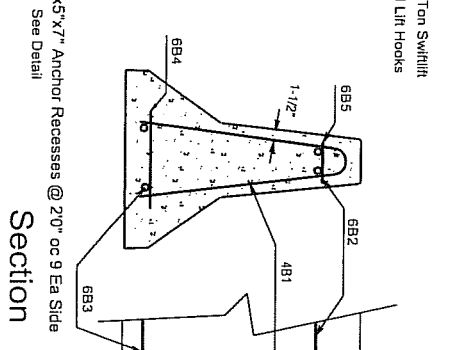
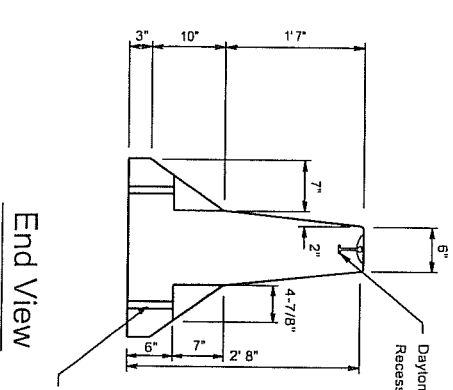
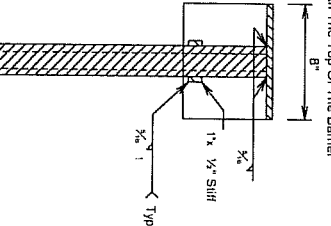
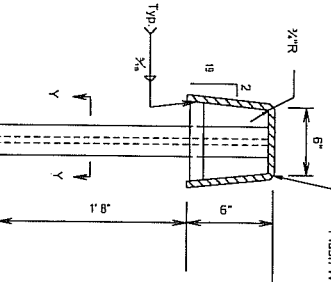
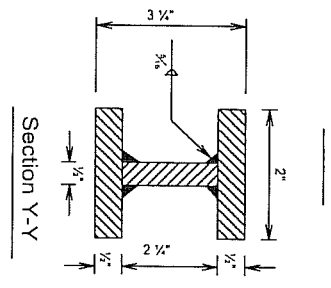
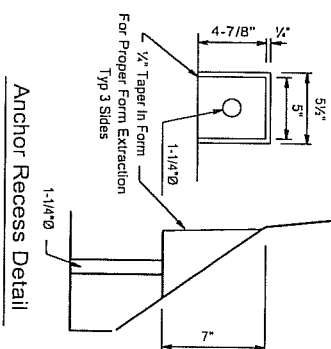
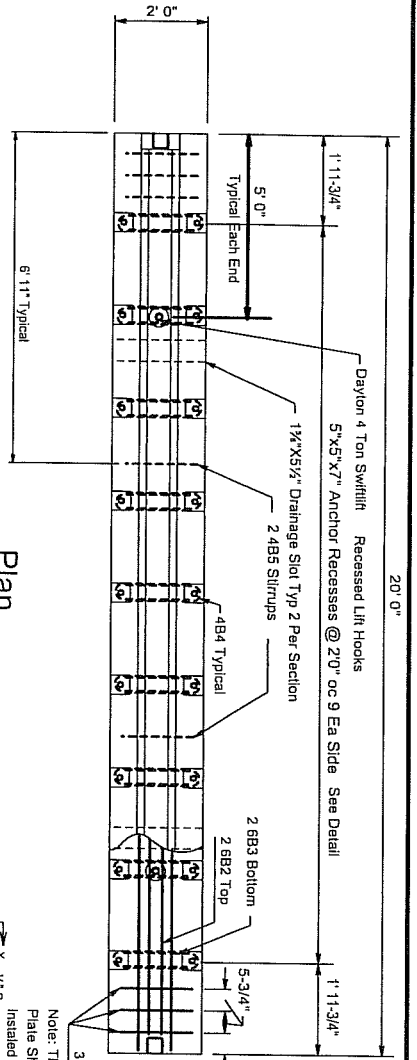
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No.	Description	Date
1	Added 30" Ø & 36" Ø End Section	5/18/95

Revisions	No.	Description	Date
	1	Added 30" Ø & 36" Ø End Section	5/18/95

CASTAL PIPELINE <small>(63) 358-4000 PRODUCTS GROUP</small> <small>P.O. Box 515, Tonawanda, California, NY 11933</small>		Project: Product: Reinforced Concrete Pipe Precast End Section scale: _____ date: _____ drawn by: _____ checked by: _____ date: _____ scale: _____ date: _____ scale: _____ date: _____
---	--	--

1. END SECTION SHALL BE MANUFACTURED BY THE WET-CAST METHOD.
2. CONCRETE COMPRESSIVE STRENGTH @ 28 DAYS: 4000 PSI MIN. WITH AIR-ENTRAINMENT OF 5%-8%.
3. CONCRETE MIX PROPORTIONS SHALL BE:
CEMENT: 752 #/CU YD. +4.2% PORTLAND TYPE II OR III, NYSDOT APPR.
3/8" STONE: 11766 #/CU YD. +1.2% NYSDOT APPR.
SAND: 1259 #/CU YD. +1.2% NYSDOT APPR.
4. GRADATION OF COURSE AGGREGATE SHALL BE AS FOLLOWS (3/8" BLUESTONE):
+1" - 100% PASSING
1/2" - 90% - 100% PASSING
1/4" - 0% - 15% PASSING
5. REINFORCEMENT SHALL CONFORM TO REINFORCED CONCRETE PIPE CLASS III, WALL B.
6. THE MINIMUM AND MAXIMUM SPACING OF THE CIRCUMFERENTIAL REINFORCEMENT SHALL BE 2" AND 4" RESPECTIVELY. EACH CAGE OF REINFORCEMENT SHALL CONTAIN SUFFICIENT LONGITUDINAL MEMBERS EXTENDING THROUGHOUT THE ENTIRE LENGTH OF THE SECTION TO MAINTAIN CAGE SHAPE AND POSITION.
7. PLACEMENT OF REINFORCEMENT SHALL BE AS INDICATED. CAGE POSITION SHALL BE MAINTAINED BY THE USE OF SNAP SPACERS AND/OR PLASTIC TIPPED SLAB BOLSTERS. THE SNAP SPACERS ARE USED. CAGE SHALL BE HELD IN PLACE BY A MINIMUM OF THREE SPACERS WITHIN TWO FEET OF EACH END OF THE BARREL PORTION OF THE END SECTION. ALL SPACERS SHALL BE EVENLY SPACED AROUND THE CAGE WITH A MAXIMUM CIRCUMFERENTIAL SPACING OF 30".
8. LIFT HOLES SHALL BE 2" IN DIAMETER AND LOCATED AT THE C.G. OF SECTION. LIFT HOLES SHALL BE FORMED BY A STEEL PIN ATTACHED TO FORM.
10. ELASTOMERIC O-RING GASKETS SHALL BE 2 1/32" OR 5/8" ± .015" (+/-3%) IN DIA. AND CONFORM TO ASTM C43-85A. O-RING DIAMETER = 40. TOLERANCE ON ANNUALR SPACE SHALL BE +1/16".



Specifications

Concrete- 3000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60

Mark	Size	No.	Length	Type	A	B	C
481	4	6	4'11"	I Stirrups	5'	26"	2"
484	4	18	3'1"	II Stirrups	5'	4"	
485	4	2	4'11"	I Stirrups	5'	26"	2"
682	6	2		Longitudinal Top			
683	6	2		Longitudinal Bot			
684	6	2	1'2"	Transverse Bot			
685	6	2	0'6"	Transverse Top			

F:\DCIBOX\Temp Barrier4.dcd

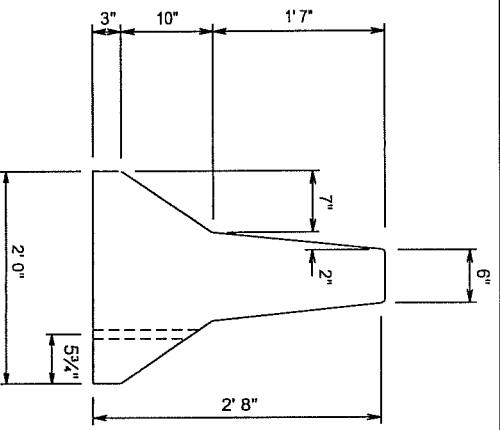
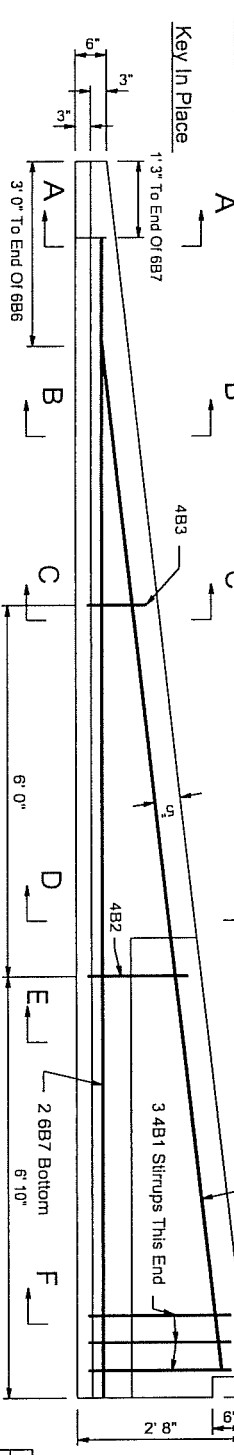
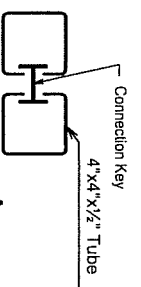
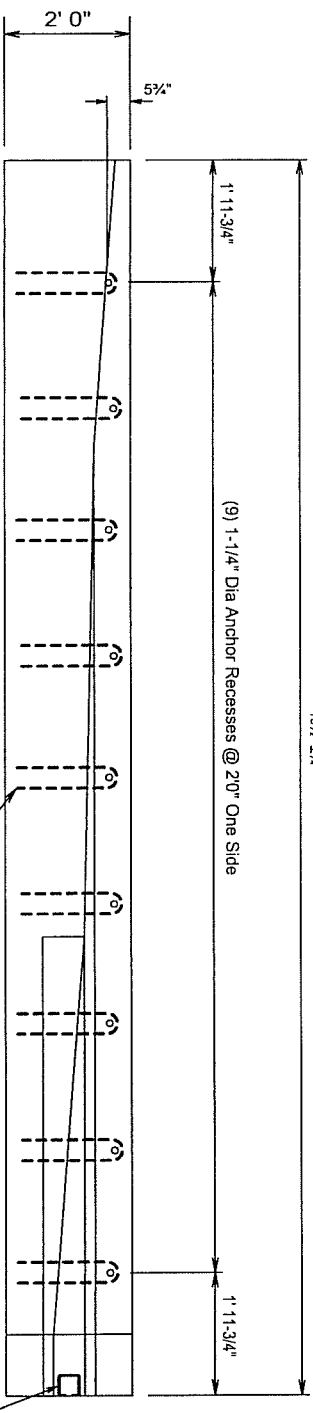
COASTAL PIPELINE PRODUCTS CORP.
 (631)369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____
 Contractor: _____

Product:	Scale:	date:	dwn. by:	dwg. no.:
Temporary Concrete Median Barrier				
None	5/12/00		G.S.E.	Temp Bar

19 7/8 ± 3/8"

(9) 1-1/4" Dia Anchor Recesses @ 20" One Side



End View
Specifications

Concrete- 3000 psi @ 28 Days
Rebar- ASTM A-615 Grade 60

Bar List

Mark	Size	No.	Length	Type	A	B	C
4B1	4	3	4' 11"	1 Stirrups	5"	26"	2"
4B2	4	1	3' 3"	1 Stirrups	5"	18"	2"
4B3	4	1	1' 8"	1 Stirrups	5"	8"	2"
4B4	4	9	3' 1"	11 Stirrups	15 1/2"	4"	
6B6	6	2	16' 7"	Longitudinal Top			
6B7	6	2	18' 2"	Longitudinal Bolt			

COASTAL PIPELINE PRODUCTS CORP.
(631)369-4000
P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:

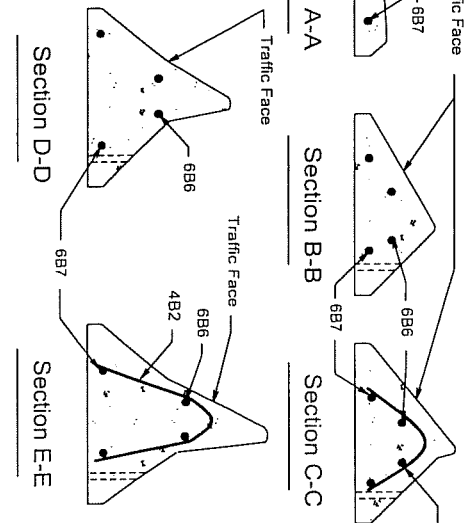
Contractor:

Product: Precast Concrete Temporary Barrier Tapered End Section

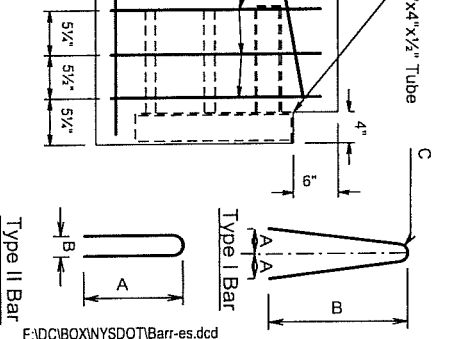
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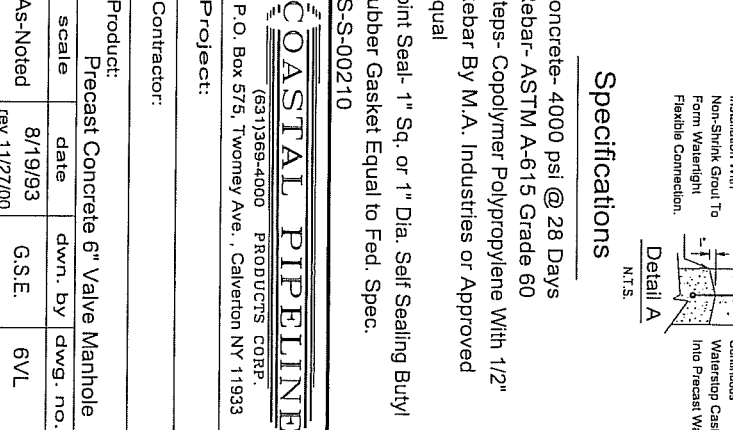
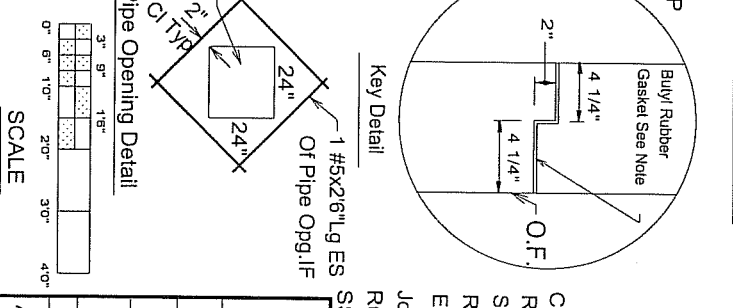
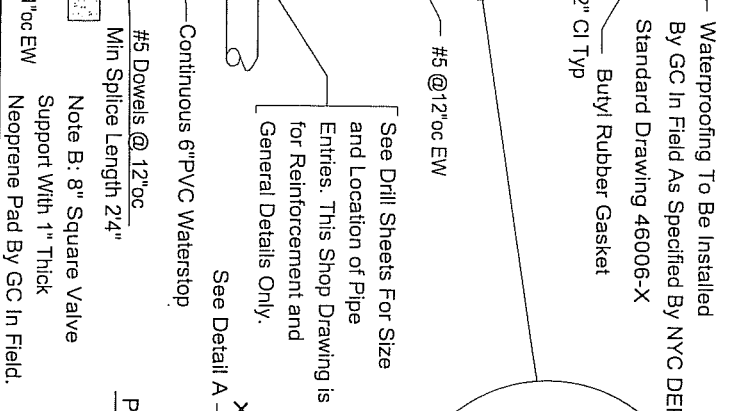
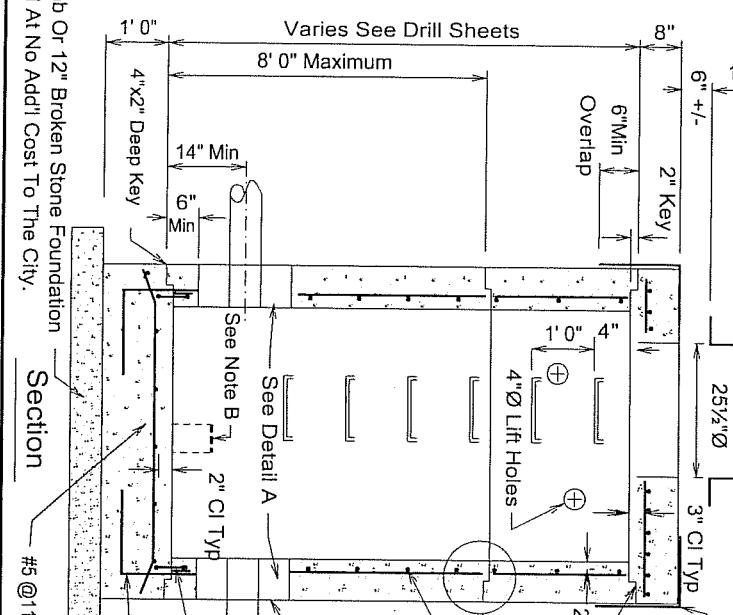
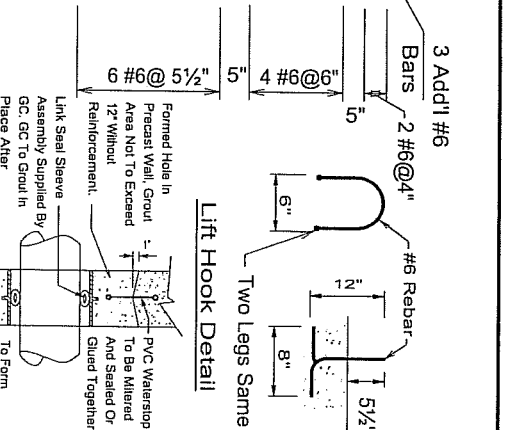
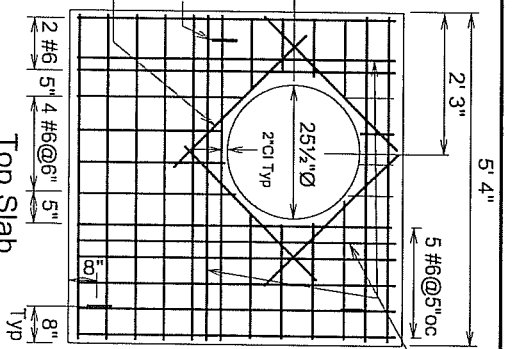
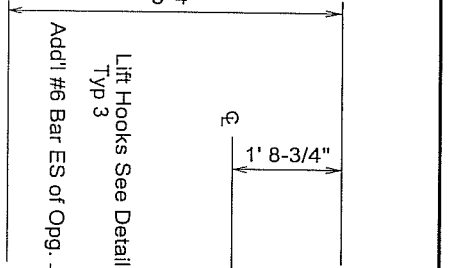
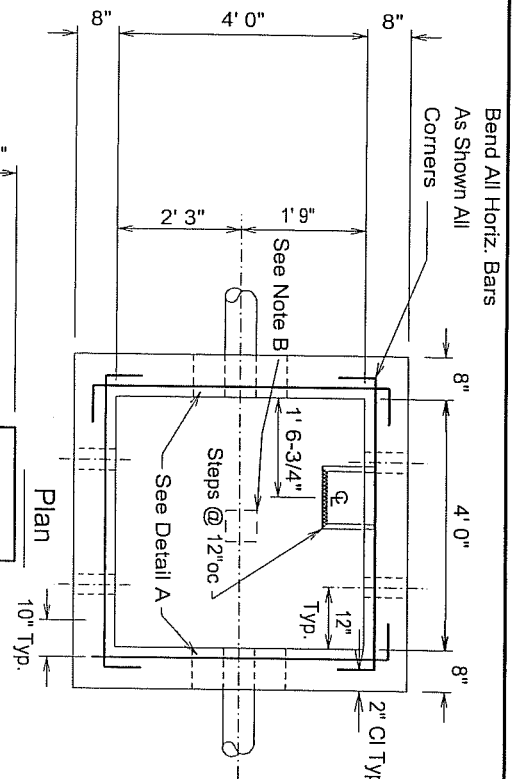
F:\DC\BOX\NYS\DOT\Barr-es.dcd

Note: All Corners On The Top Of The Section Shall Be Rounded To A (1) Inch Radius. The Unit Shall Have A Smooth Transition From The Standard Shape To The (6) Inch End Of Section Height.



Elevation
"Left-Hand" Section Shown.
"Right-Hand" Section Is Mirror Image Of Left.
All End Sections Shall Be Pinned Unless Otherwise Noted





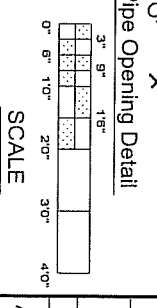
Waterproofing To Be Installed By GC In Field As Specified By NYC DEP Standard Drawing 46006-X

Buy Rubber Gasket

#5 @ 12" OC EW

See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.

Note B: 8" Square Valve Support With 1" Thick Neoprene Pad By GC In Field.



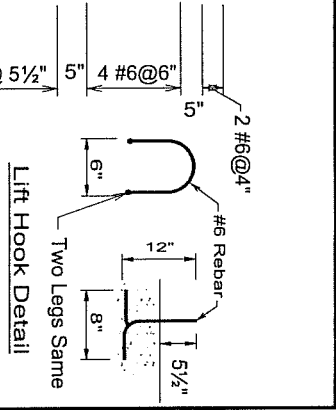
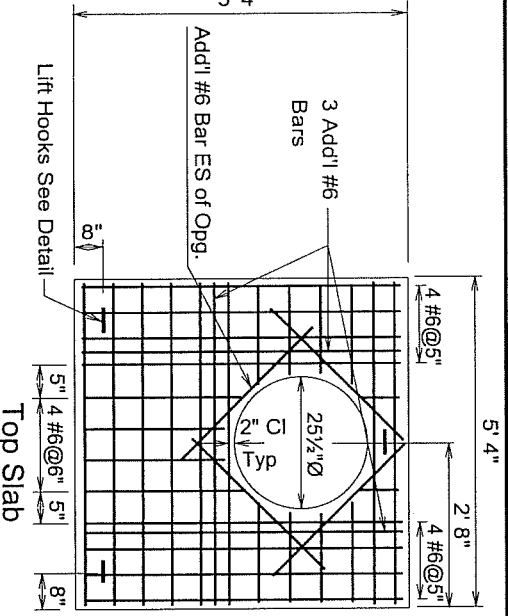
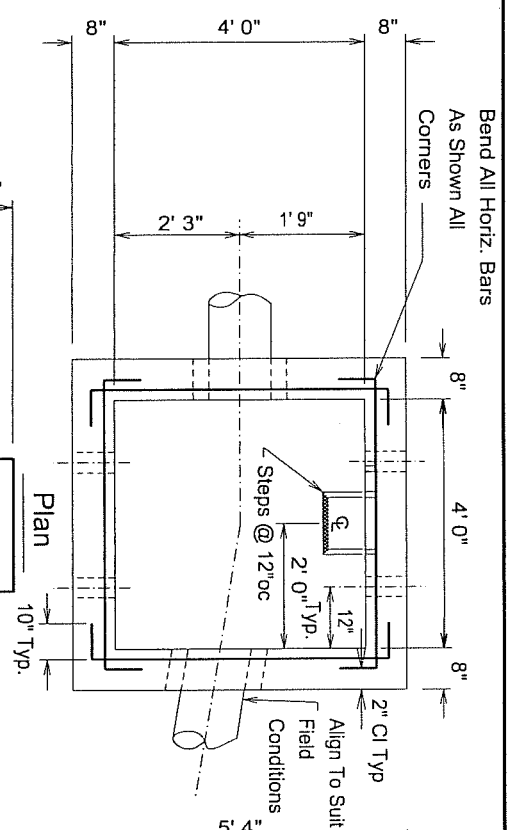
Specifications

Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60
 Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal
 Joint Seal- 1" Sq. or 1" Dia. Self Sealing Butyl Rubber Gasket Equal to Fed. Spec.
 SS-S-00210

COASTAL PIPELINE PRODUCTS CORP.

(631)369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Contractor:			
Product:	Precast Concrete 6" Valve Manhole		
scale	date	dwn. by	dwg. no.
As-Noted	8/19/93	G.S.E.	6VL
rev 11/27/00			



Specifications

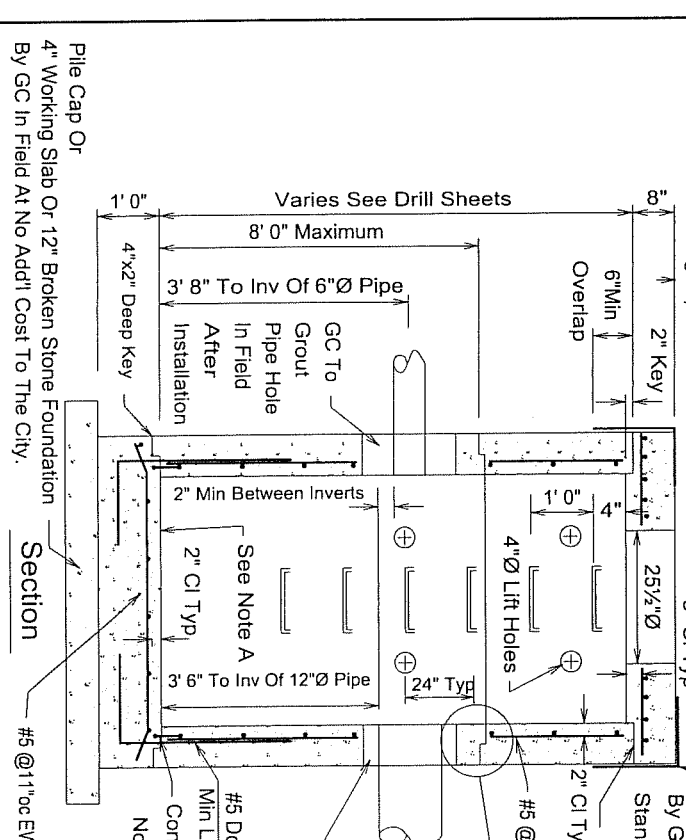
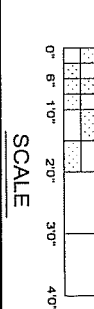
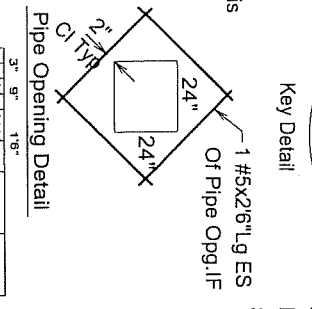
Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60
 Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal
 Joint Seal- 1" Sq. or 1" Dia. Self Sealing Butyl Rubber Gasket Equal to Fed. Spec.
 S-S-00210

COASTAL PIPELINE PRODUCTS CORP.
 (631)369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

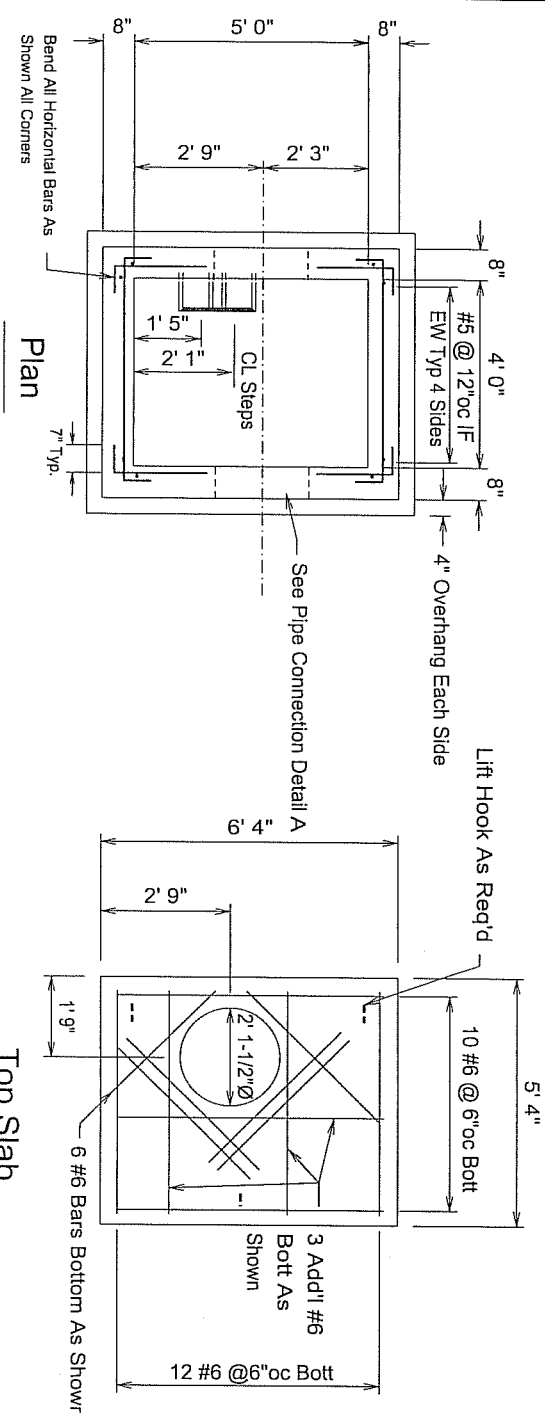
Project:
 Contractor:

Product: Precast Concrete Blowoff Manholes
 scale date dwn. by dwg. no.
 As-Noted 8/19/93 G.S.E. 4BO
 (REV 11/27/00)

Waterproofing To Be Installed By GC In Field As Specified By NYC DEP Standard Drawing 46006-X
 Butyl Rubber Gasket
 2" CI Typ
 #5 @12"oc EW
 See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.
 Note A: Wearing Surface Shall Be Furnished & Installed By GC In Field As Per Note 3 On NYC DEP Standard Drawing No. 46006-X.

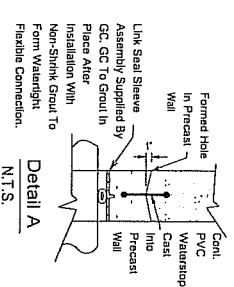
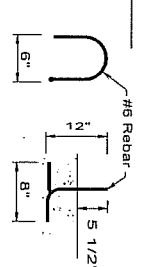
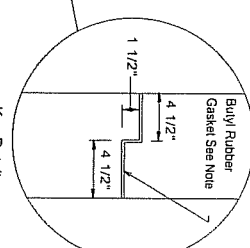
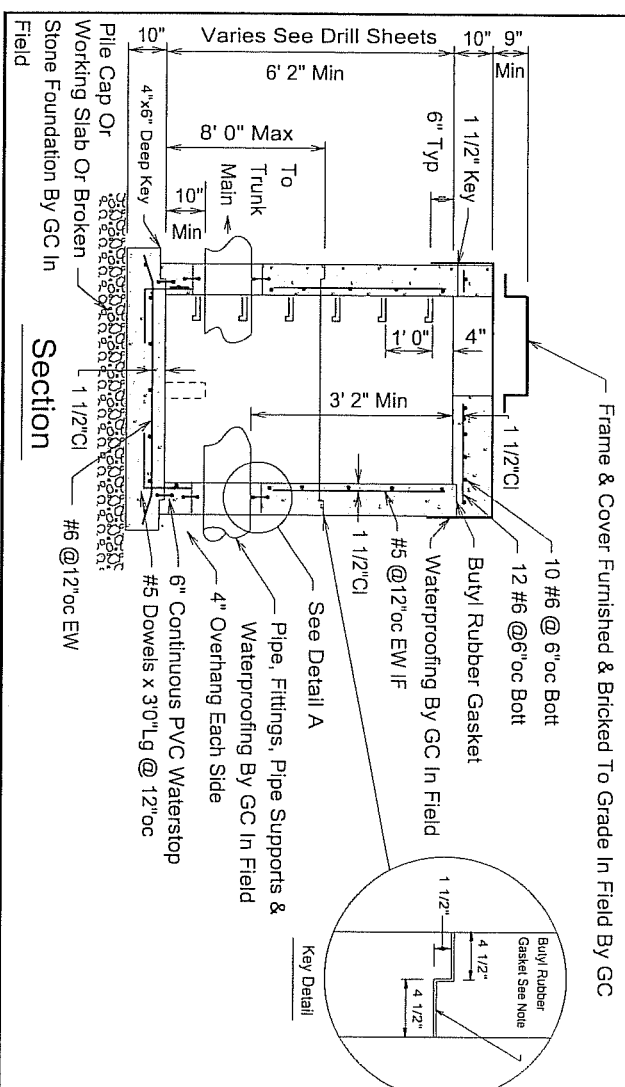


Pile Cap Or 4" Working Slab Or 12" Broken Stone Foundation
 By GC In Field At No Add'l Cost To The City.



Specifications

- 1) Concrete- 4000 psi @ 28 Days
- 2) Rebar- ASTM A-615 Grade 60
- 3) Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal
- 4) See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.
- 5) Joint Seal- 1" Sq. or 1" Dia. Self Sealing Buy/ Rubber Gasket Equal to Fed. Spec. SS-S-00210
- 6) All Materials Shall Meet The Requirements Of The NYCDEP Specifications.



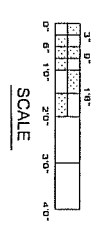
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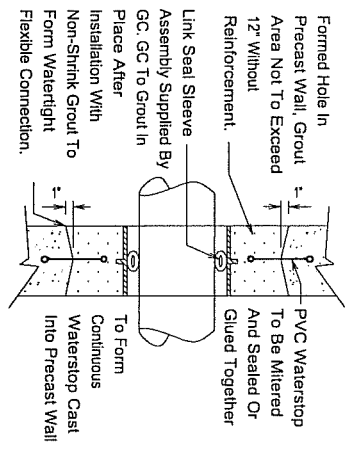
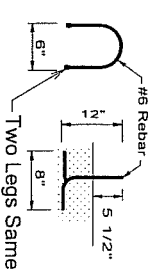
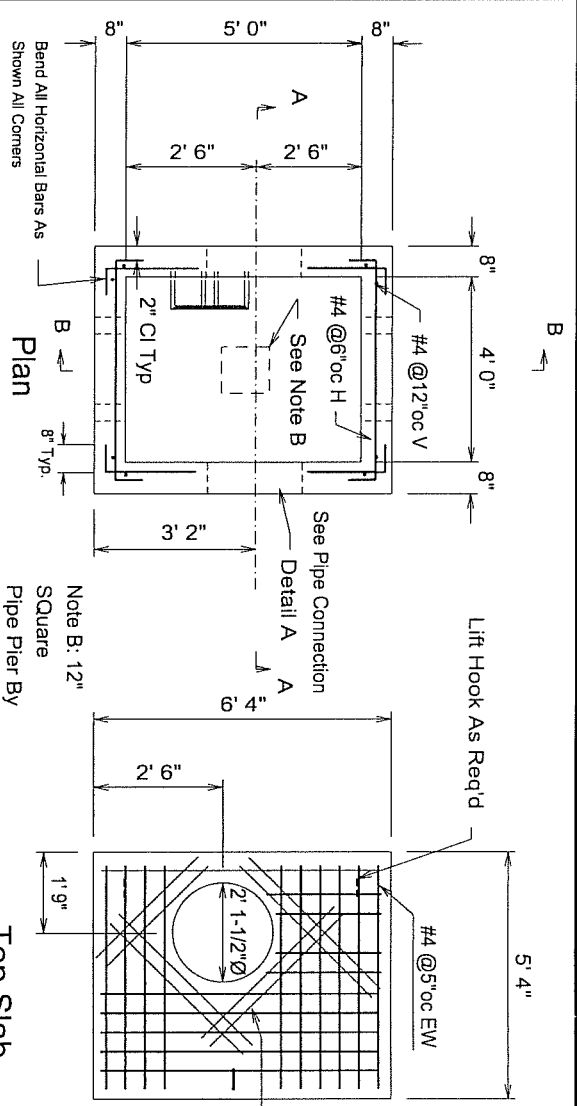
COASTAL PIPELINE
 (631)369-4000 PRODUCTS CORP.
 P.O. Box 575, Tworney Ave., Calverton NY 11933

Project: _____
 Contractor: _____
 Product: Precast Concrete Standard Chamber For 12" Outlet Valve

scale	date	dwn. by	dwg. no.
As-Noted	7/30/93	G.S.E.	12V1CH

rev 8/18/97

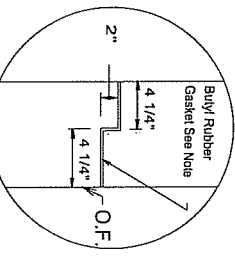




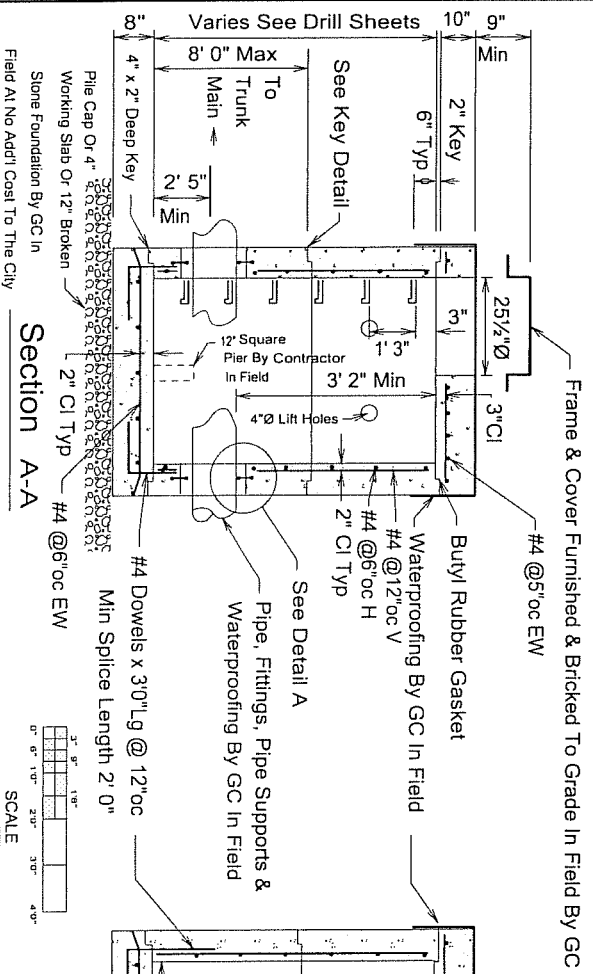
Detail A
N.T.S.

Specifications

- 1) Concrete - 4000 psi @ 28 Days
- 2) Rebar - ASTM A-615 Grade 60
- 3) Steps - Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal
- 4) See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing Is for Reinforcement and General Details Only.
- 5) Joint Seal - 1" Sq. or 1" Dia. Self Sealing Butyl Rubber Gasket Equal to Fed. Spec. SS-S-00210
- 6) All Materials Shall Meet The Requirements Of The NYCDEP Specifications.

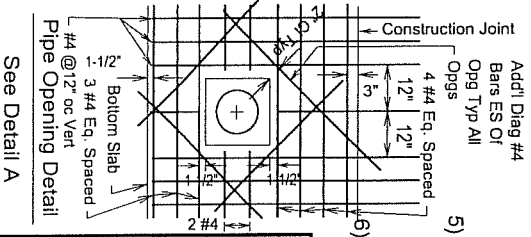


Key Detail



Section A-A

Section B-B



SCALE

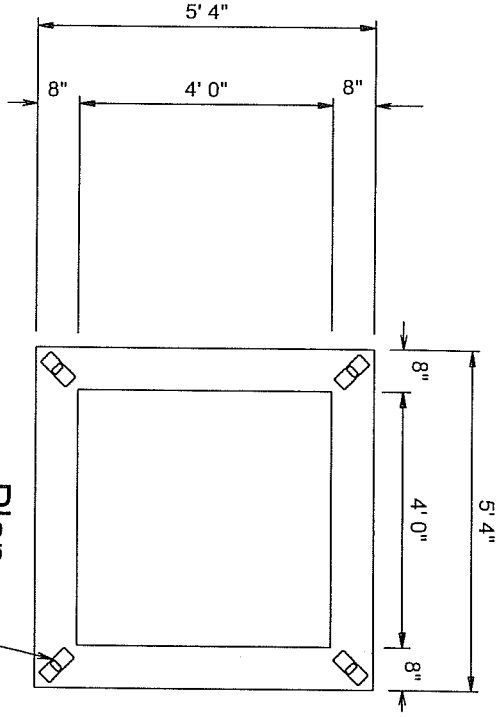
COASTAL PIPELINE
 (631)368-4000 PRODUCTS CORP.
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:
 Contractor:

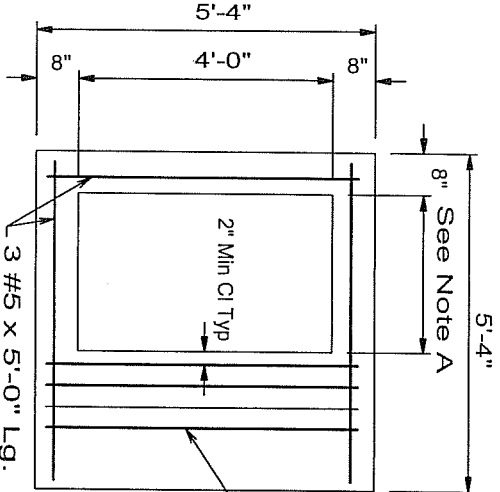
Product: Precast Concrete Standard Chamber For 20" Outlet Valve

scale	date	dwn. by	dwg. no.
As-Noted	2/22/94	G.S.E.	20VLCB

rev 1/12/2000



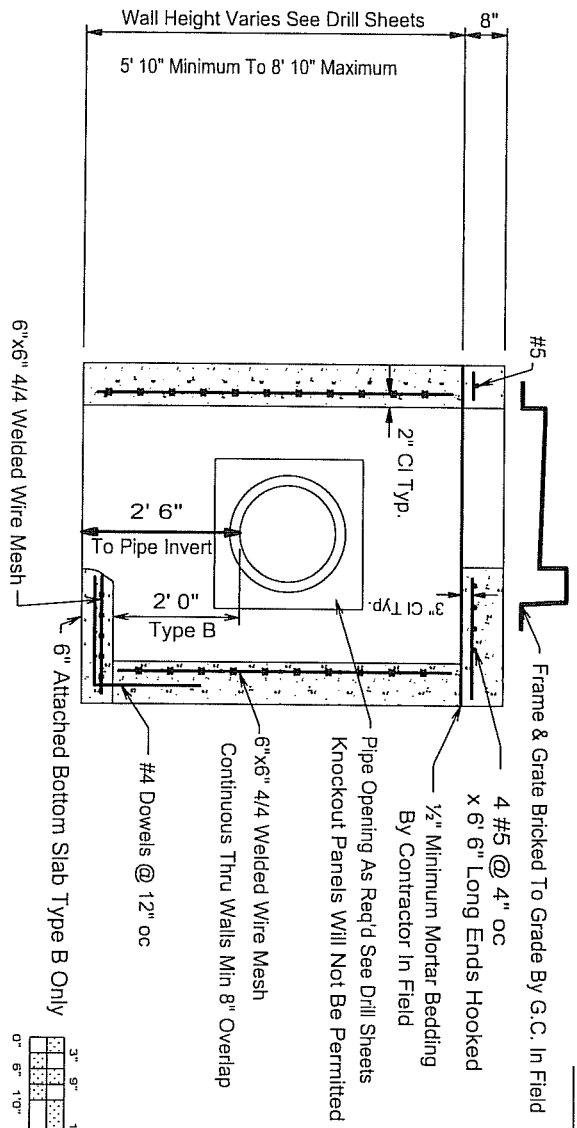
Plan



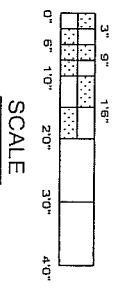
Top Slab

Note A : 2' 1/2" For Type 1 & 2
Frames; 2' 7/8" For Type A
Frame.

4 #5 @ 4" oc
x 6' 6" Long Ends Hooked



Section



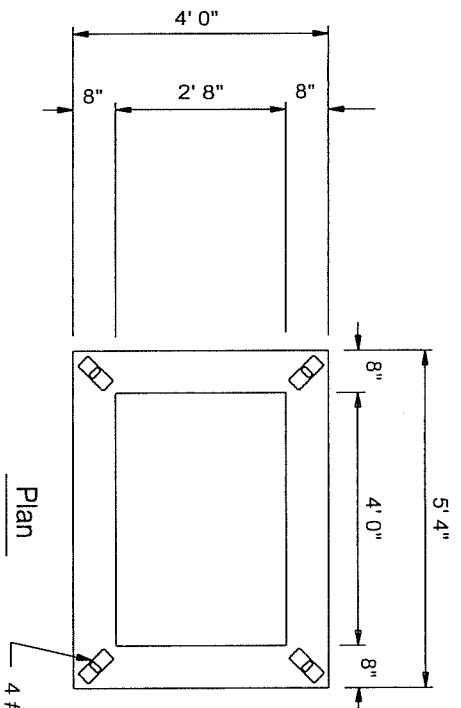
SCALE

Notes

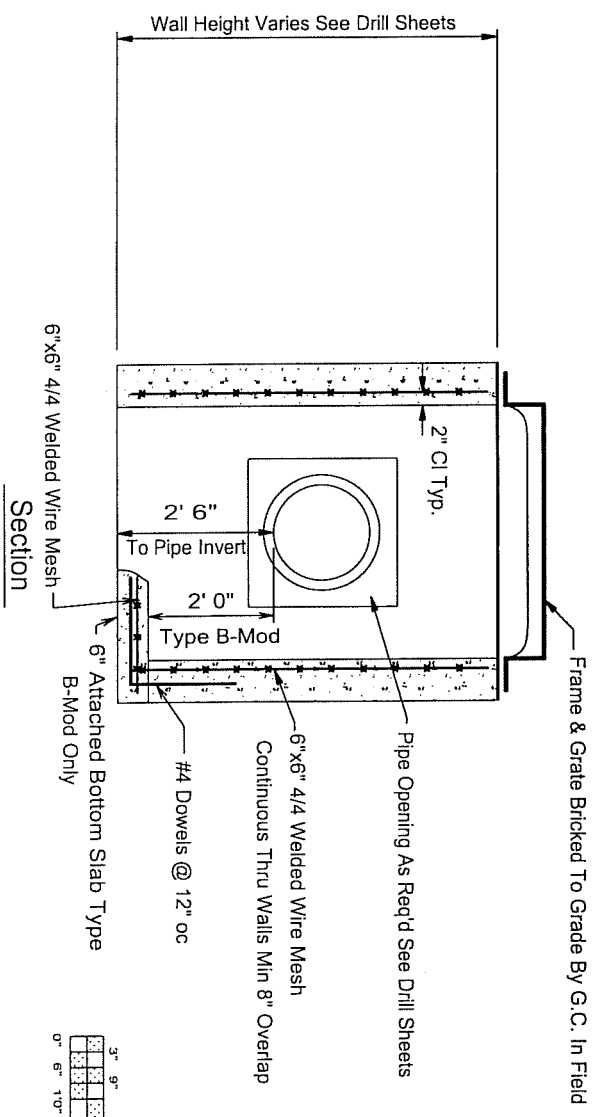
- Concrete 4000 psi @ 28 Days
- Rebar ASTM A-615 Grade 60
- Mesh ASTM A-185 6"x6" 4/4
- Provide 1 1/2" Cover At Ends Of Vertical Wires 1" Radius Bends At Corners
- Design Load- A.A.S.H.T.O. HS20 Loading

COASTAL PIPELINE PRODUCTS CORP.
 (631)369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

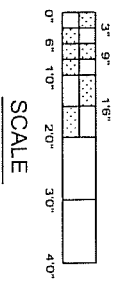
Project:			
Contractor:			
Product: Precast Concrete Type A Catch Basin Nassau County DPW			
scale	date	dwn. by	dwg. no.
As Noted	5/13/02	G.S.E.	NC-ACB



Plan
4 #5 Lift Hooks



Section



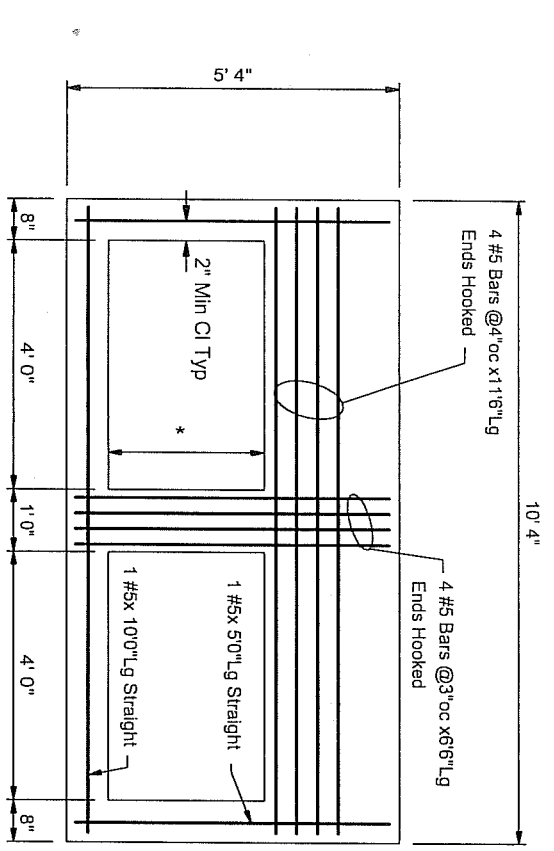
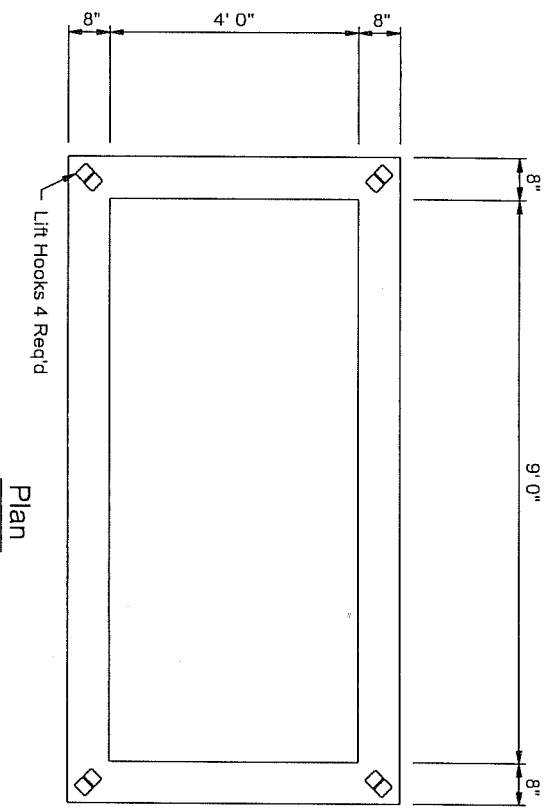
SCALE

Notes
Concrete 4000 psi @ 28 Days
Rebar ASTM A-615 Grade 60
Mesh ASTM A-185 6"x6" 4/4
Provide 1 1/2" Cover At Ends Of
Vertical Wires 1" Radius Bends At
Corners

COASTAL PIPELINE
 (631)369-4000 PRODUCTS CORP.
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____
 Contractor: _____

Product: Precast Concrete Type A Modified Nassau County DPW Catch Basin	scale	date	dwn. by	dwg. no.
As Noted	7/19/02	G.S.E.	NC-AModCB	



* 2-1 1/2" For Type "1" & "2" Frames, 2-7/8" For Type "A" Frame

Specifications

Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60 fs=60 ksi
 Welded Wire Mesh- ASTM A-185 fs=60 ksi
 6"x6" 4/4 Provide 1 1/2" Cover Ends Of Vertical Wires
 Design Load- A.A.S.H.T.O. HS20 Loading

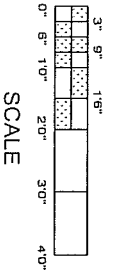
COASTAL PIPELINE PRODUCTS CORP.
 (631)366-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:
Contractor:

Product: Precast Concrete N.C.D.P.W.
 Type C Catch Basin

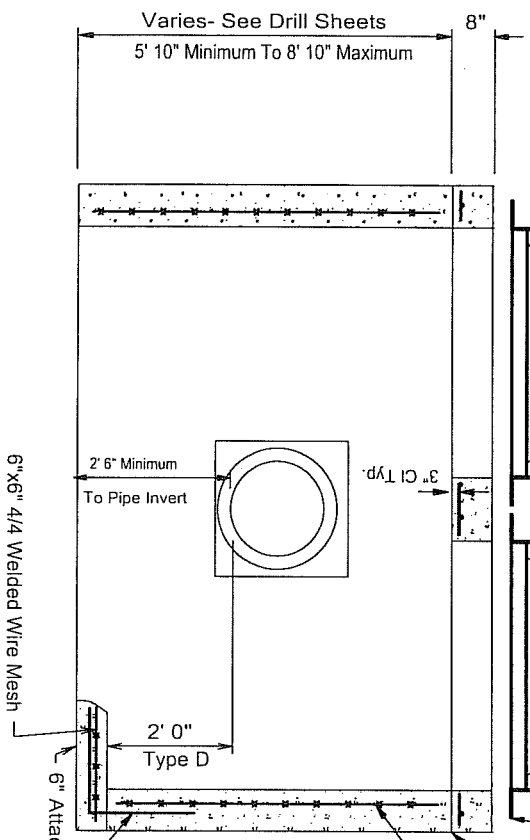
scale	date	dwn. by	dwg. no.
As-Noted	11/28/94	G.S.E.	NC-TYC

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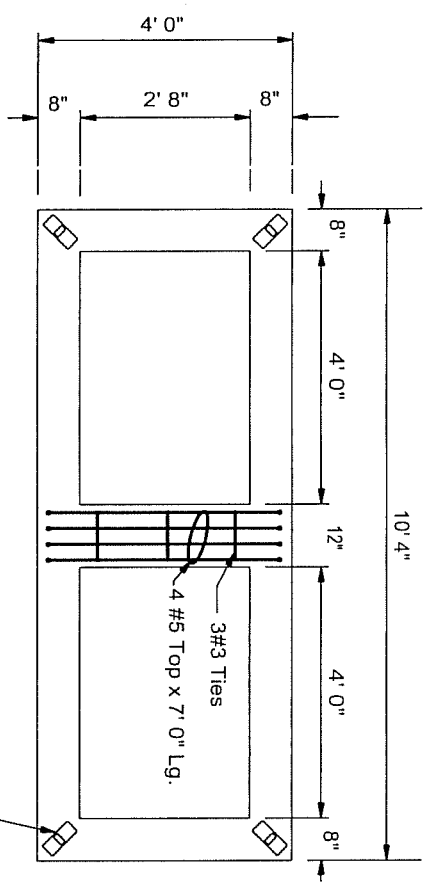


SCALE

Section



Castings Bricked To Grade By GC In Field
 1/2" Minimum Mortar Bedding By Contractor In Field
 6"x6" W4/W4 Welded Wire Fabric Continuous 4 Walls 8" Min Overlap
 See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.
 Knockout Panels Will Not Be Permitted
 #4 Dowels @ 12" oc
 6" Attached Bottom Slab Type D Only
 2' 6" Minimum To Pipe Invert
 3" Cl Typ.
 2' 0" Type D
 6"x6" 4/4 Welded Wire Mesh
 8"
 5' 10" Minimum To 8' 10" Maximum
 Varies- See Drill Sheets

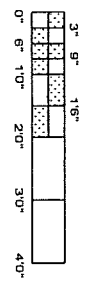


Plan

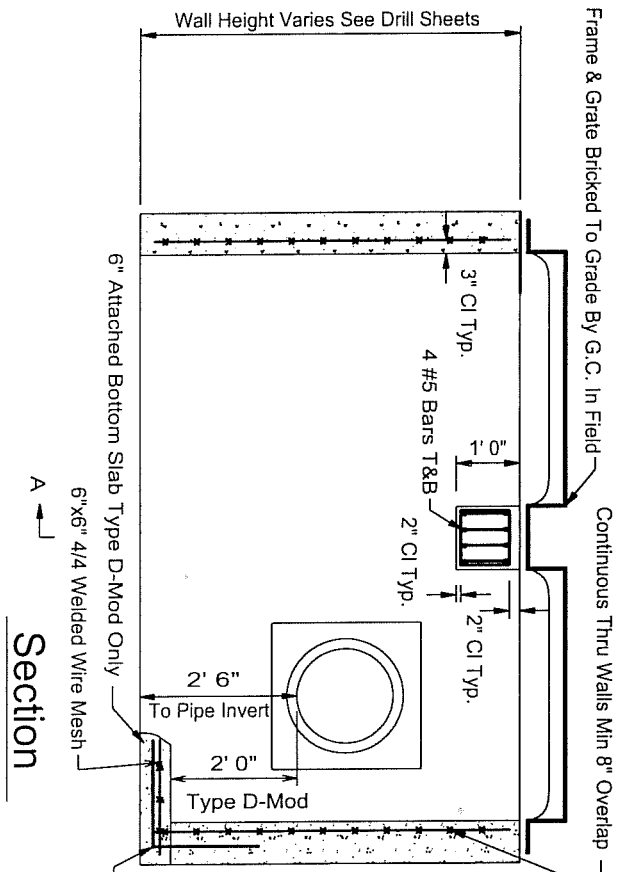
A ←

4 #5 Lift Hooks

- Notes
- Concrete 4000 psi @ 28 Days
 - Rebar ASTM A-615 Grade 60
 - Mesh ASTM A-185 6"x6" 4/4
 - Provide 1 1/2" Cover At Ends Of Vertical Wires 1" Radius Bends At Corners



SCALE

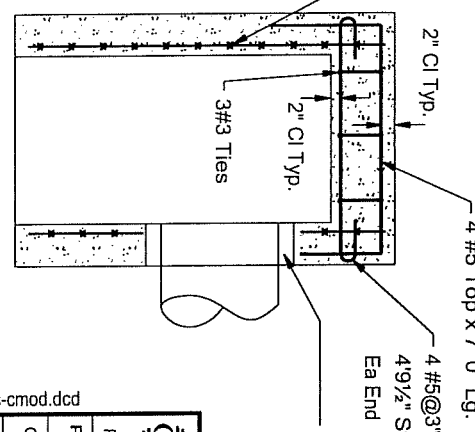


Section

A ←

#4 Dowels @ 12" oc

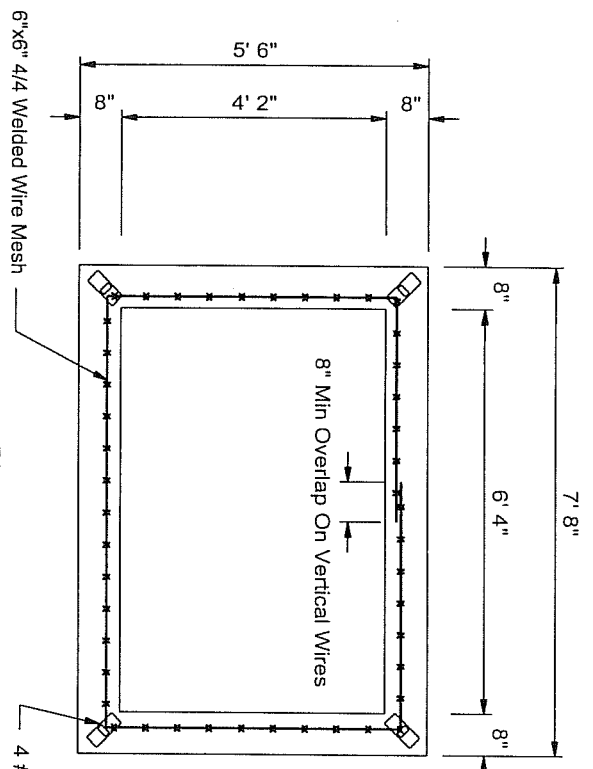
Section A-A



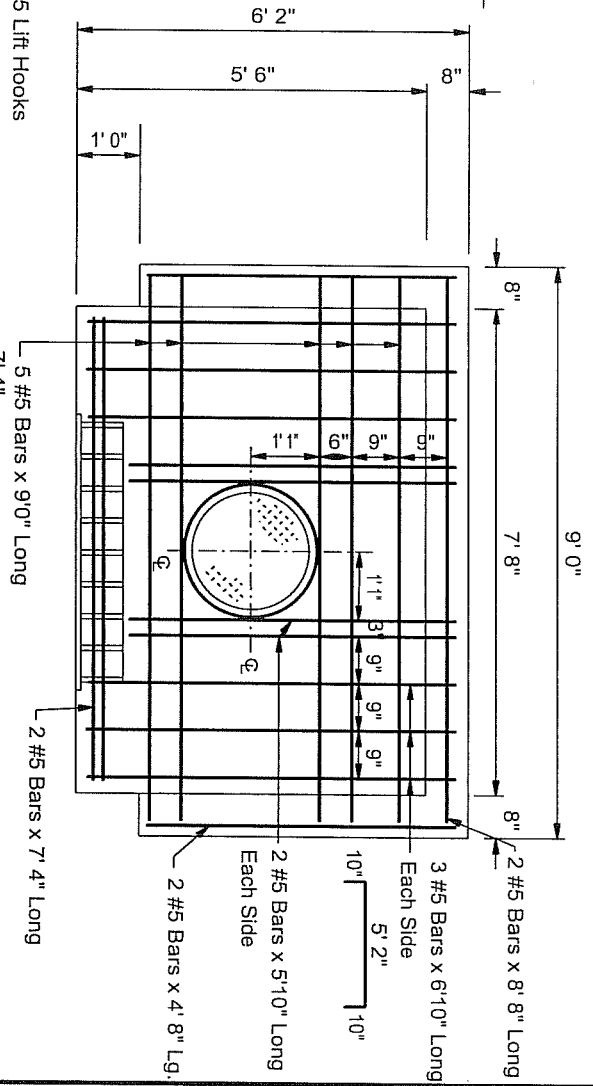
Pipe Opening As Req'd See Drill Sheets

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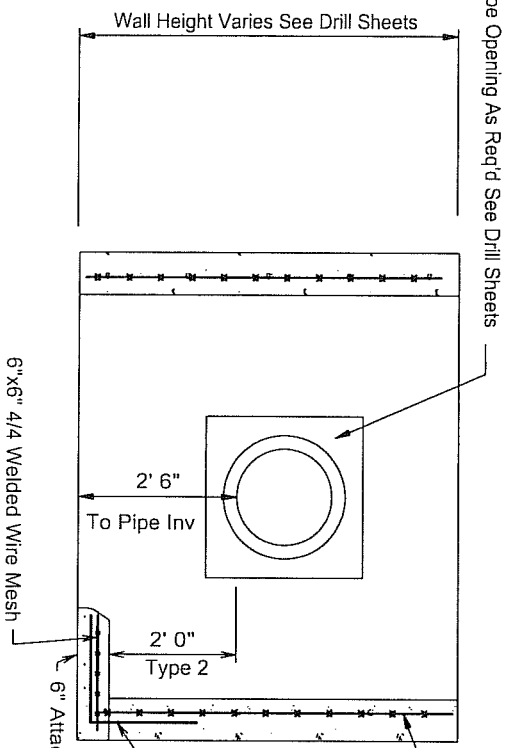
COASTAL PIPELINE PRODUCTS CORP.			
(631)369-4000			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: Precast Concrete Type C Modified Nassau County DPW Catch Basin			
scale	date	dwn. by	dwg. no.
As Noted	7/19/02	G.S.E.	NC-CM100CB



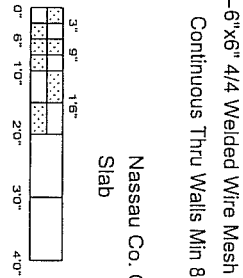
Plan



Top Slab



Section



SCALE

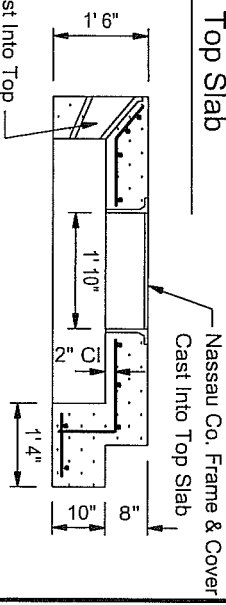
#4 Dowels @ 12" oc

6" x 6" 4/4 Welded Wire Mesh
Continuous Thru Walls Min 8" Overlap
Nassau Co. Curb Inlet Casting Cast Into Top Slab
6" Attached Bottom Slab Type 2 Only

Notes

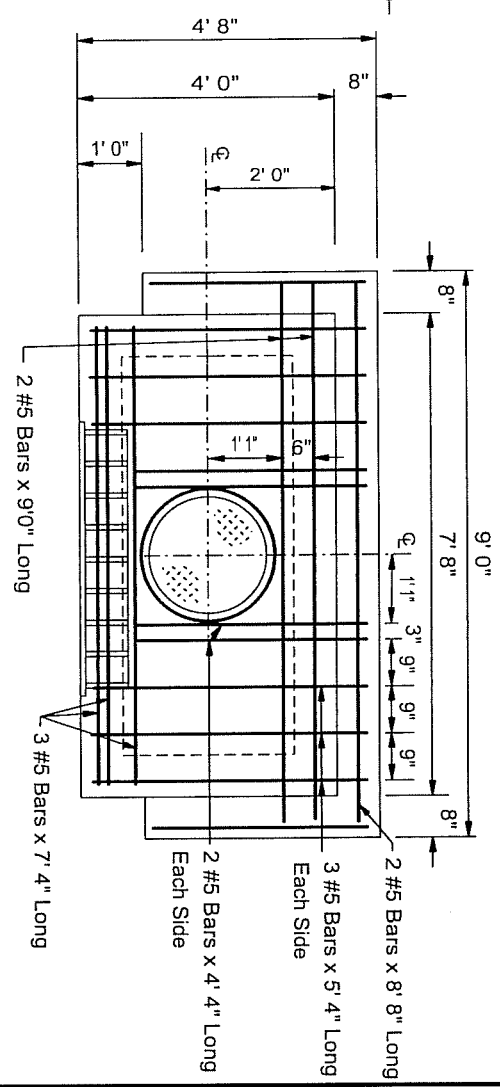
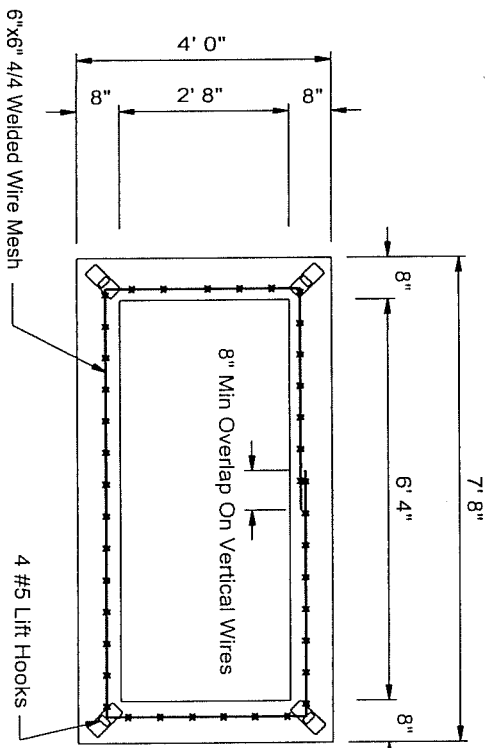
- Concrete 4000 psi @ 28 Days
- Rebar ASTM A-615 Grade 60
- Mesh ASTM A-185 6" x 6" 4/4
- Provide 1 1/2" Cover At Ends Of Vertical Wires 1" Radius Bends At Corners

Typ Top Slab Section



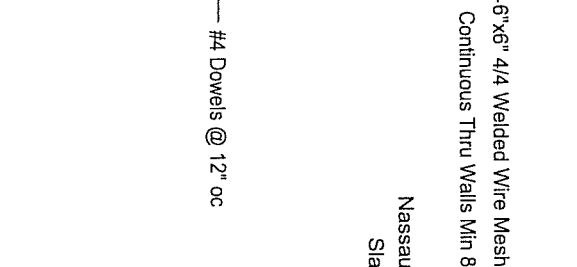
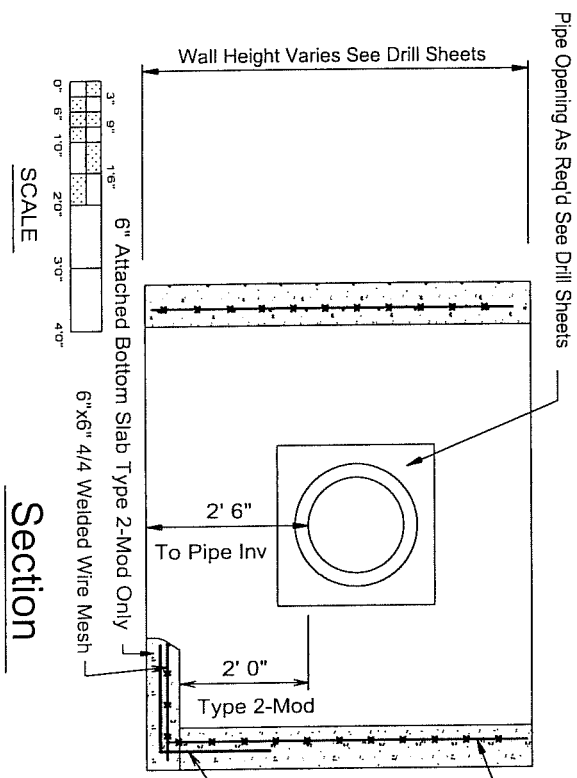
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(631)369-4000 PRODUCTS CORP. P.O. Box 575, Twomey Ave., Calverton NY 11933	
Contractor:	
Product:	Precast Concrete Type 1 And 2
Scale:	Nassau County DPW Catch Basin
Date:	7/19/02
Drawn by:	G.S.E.
Dwg. no.:	NC-1CB



Plan

Top Slab



Nassau Co. Curb Inlet Casting Cast Into Top Slab

Notes

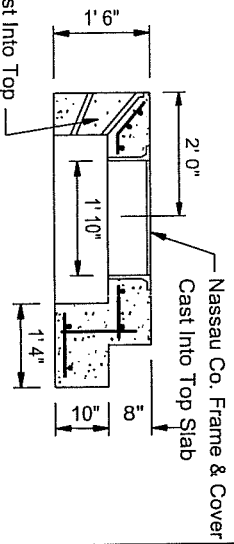
Concrete 4000 psi @ 28 Days

Rebar ASTM A-615 Grade 60

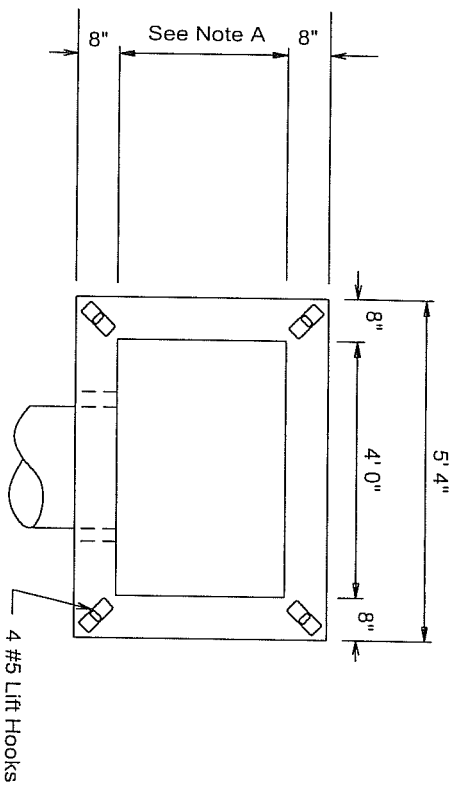
Mesh ASTM A-185 6"x6" 4/4

Provide 1 1/2" Cover At Ends Of Vertical Wires 1" Radius Bends At Corners

Typ Top Slab Section



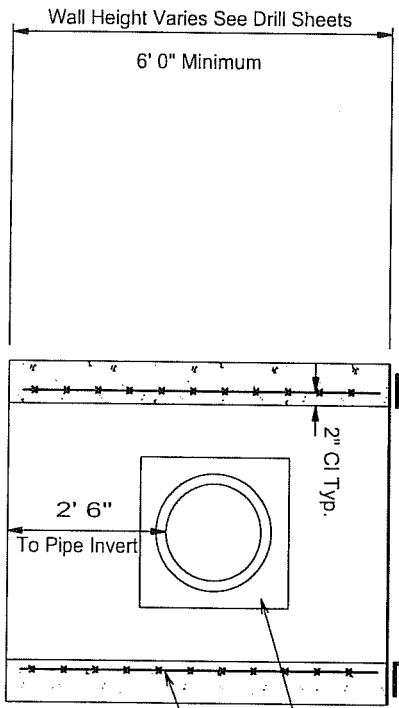
COASTAL PIPELINE PRODUCTS CORP.			
(631) 369-4000			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product:	Precast Concrete Type 1	Modified Nassau County DPW Catch Basin	Catch Basin
scale	date	dwn. by	dwg. no.
As Noted	7/19/02	G.S.E.	NC-1MCB



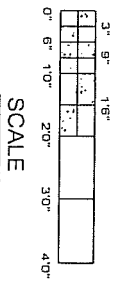
Plan

Note A

Internal Dimensions Of The Catch Basin Shall Equal The Internal Dimensions Between The Flanges Of The Casting Used



Section



SCALE

Frame & Grate Bricked To Grade By G.C. In Field
Allow 4" For Final Adjusting Of Casting With Brick & Mortar

Pipe Opening As Req'd See Drill Sheets
6"x6" 4/4 Welded Wire Mesh
Continuous Thru Walls Min 8" Overlap

Notes

- Concrete 4000 psi @ 28 Days
- Rebar ASTM A-615 Grade 60
- Mesh ASTM A-185 6"x6" 4/4
- Provide 1 1/2" Cover At Ends Of Vertical Wires 1" Radius Bends At Corners

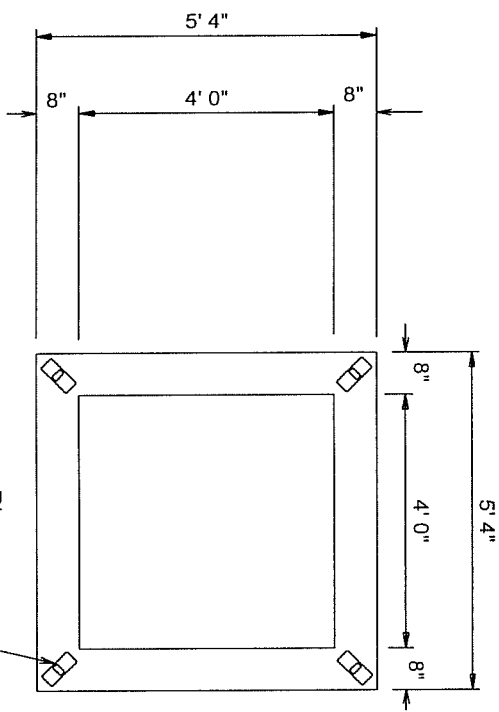
COASTAL PIPELINE
 (631)369-4000 **PRODUCTS CORP.**
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:

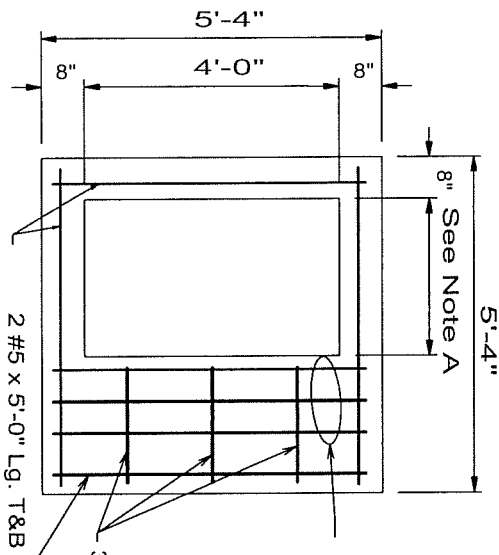
Contractor:

Product: Precast Concrete Type DX / FX
 Town Of Oyster Bay Catch Basin

scale	date	dwn. by	dwg. no.
As Noted	4/19/94	G.S.E.	DXFXCB



Plan



Top Slab

Note A: Internal Dimensions Of Opening In Slab Shall Equal The Internal Dimensions Between Flanges Of Casting Used.

3 #5 @ 6" oc

3 #5 @ 16" oc Bottom

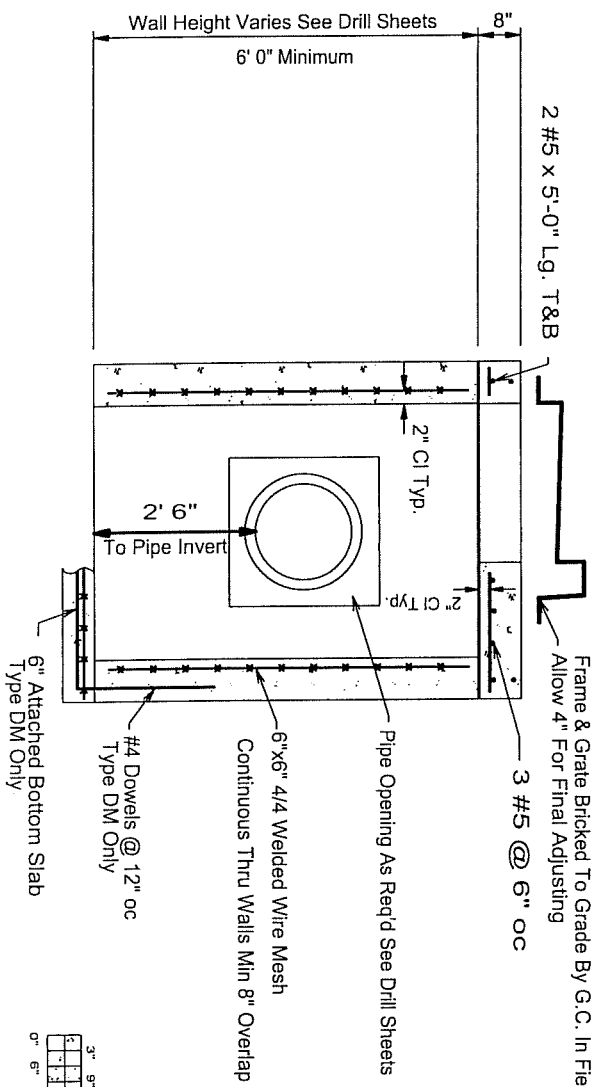
Notes

Concrete 4000 psi @ 28 Days

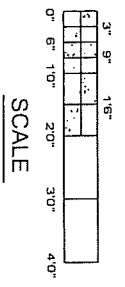
Rebar ASTM A-615 Grade 60

Mesh ASTM A-185 6"x6" 4/4

Provide 1 1/2" Cover At Ends Of Vertical Wires 1" Radius Bends At Corners



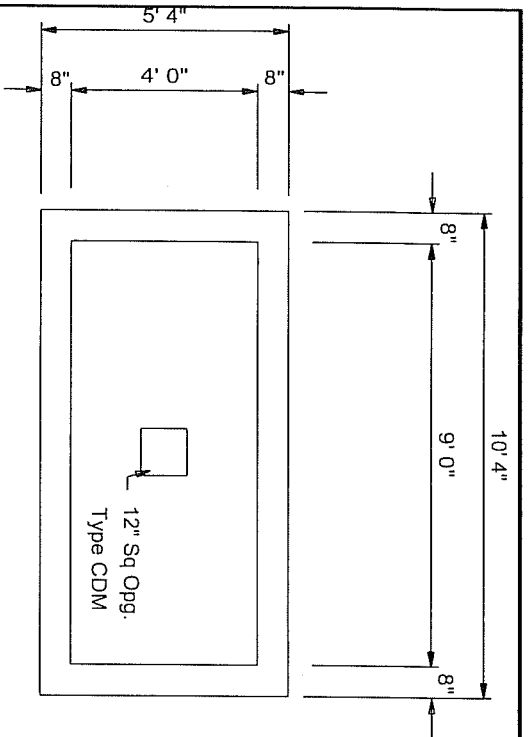
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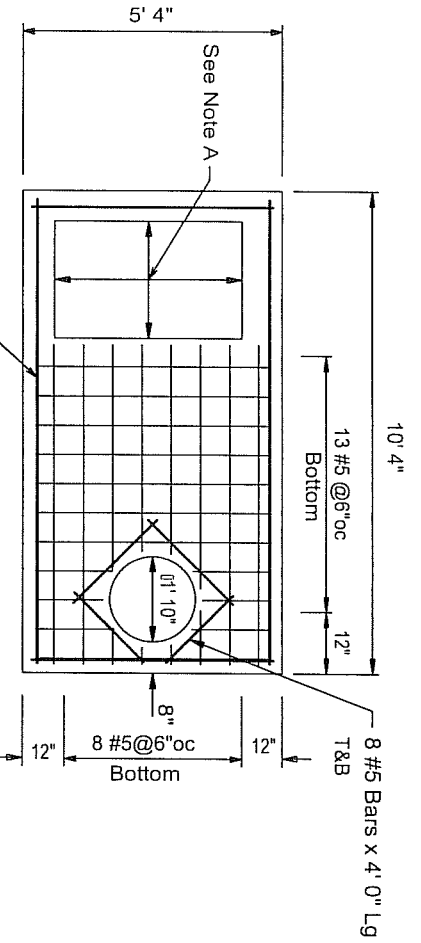
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COASTAL PIPELINE			
(631)369-4000 PRODUCTS CORP.			
P. O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: Precast Concrete Type D Catch Basin			
Town Of Oyster Bay			
scale	date	dwn. by	dwg. no.
As Noted	4/26/04	G.S.E.	TOB-DCB



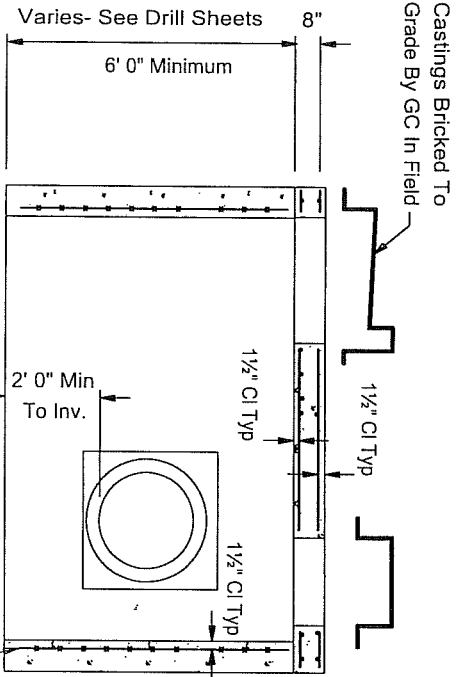
Plan



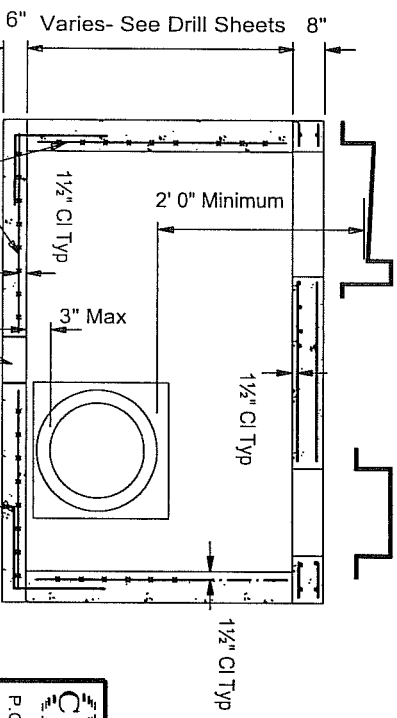
Top Slab

Specifications

Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60
 Welded Wire Mesh- ASTM A-185



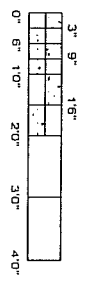
Section
Type CD



Section
Type CDM

See Drill Sheets For Size and Location of Pipe Entries.
 This Shop Drawing is for Reinforcement and General Details Only.

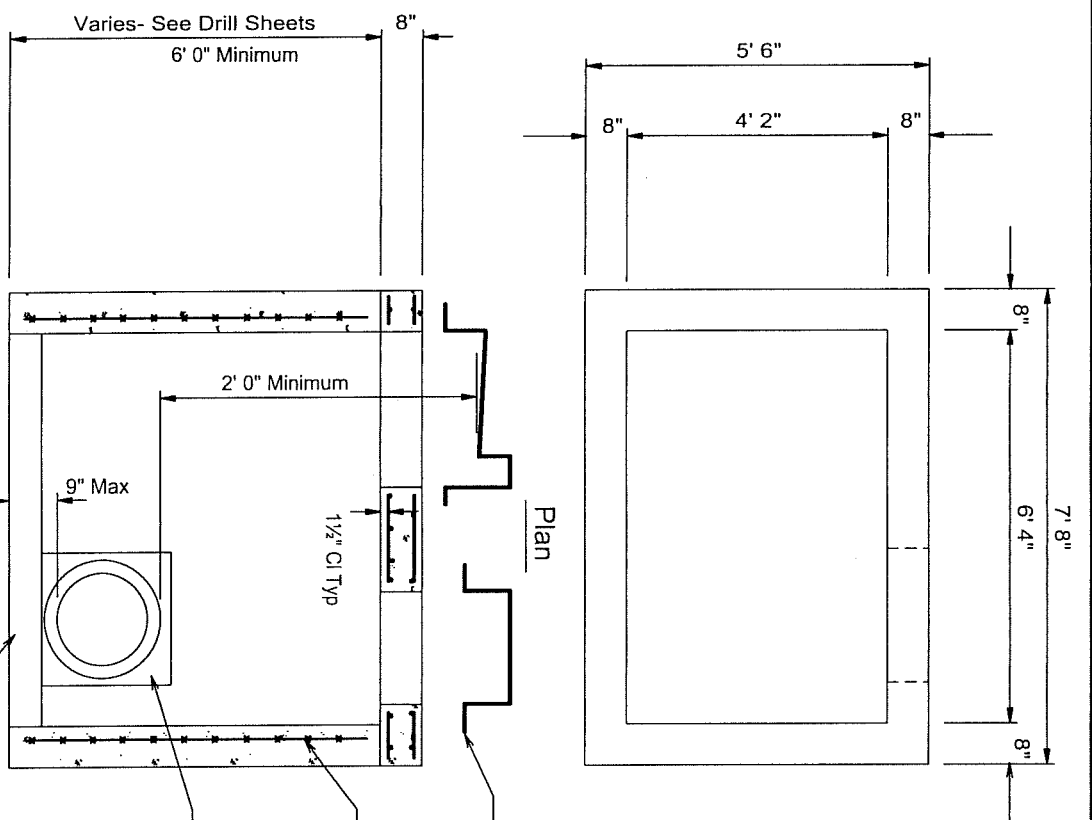
SCALE



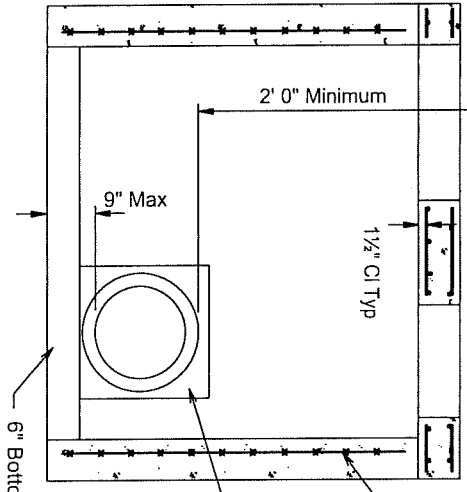
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COASTAL PIPELINE PRODUCTS CORP.
 (631)369-4000
 P. O. Box 575, Twomey Ave., Calverton NY 11933

Project:
 Contractor:
 Product: Precast Concrete Town Of Oyster Bay Type CD & CDM Catch Basin
 scale: date: dwn. by: dwg. no.:
 As-Noted 4/26/04 G.S.E. TOB-CDCB



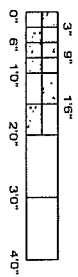
Section



See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.

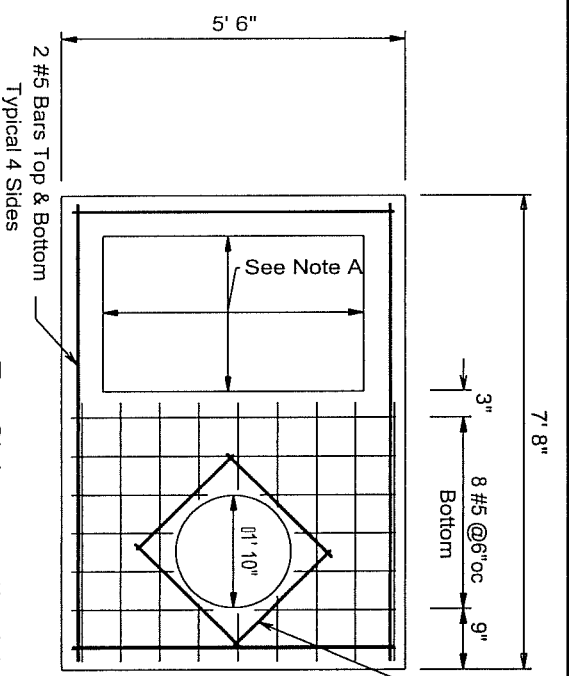
6" x 6" W4/W4 Welded Wire Fabric Continuous 4 Walls

6" Bottom Slab Poured In Field By GC.



SCALE

Castings Bricked To Grade By GC In Field



Top Slab

Note A: Internal Dimensions Of Opening In Slab Shall Equal The Internal Dimensions Between Flanges Of Casting Used.

Specifications

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- Welded Wire Mesh- ASTM A-185

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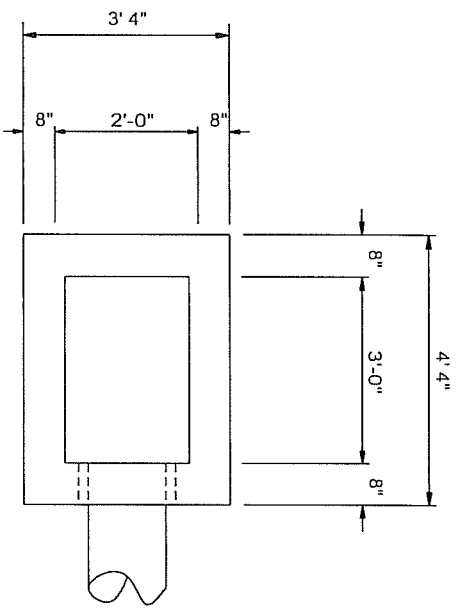
COASTAL PIPELINE PRODUCTS CORP. (631)369-4000 P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: Precast Concrete Town Of Oyster Bay Type DA Catch Basin			
scale	date	dwn. by	dwg. no.
As-Noted	4/26/04	G.S.E.	TOB-DACB

Specifications

Concrete- 4000 psi @ 28 Days

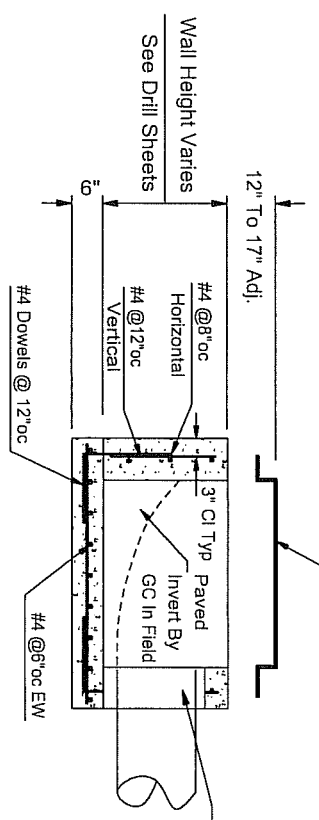
Rebar- ASTM A-615 Grade 60

Welded Wire Mesh- ASTM A-185



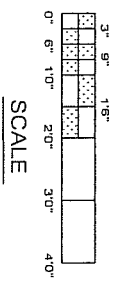
Plan

Campbell #3404 Or Approved Equal Bricked To Grade By GC In Field



Section

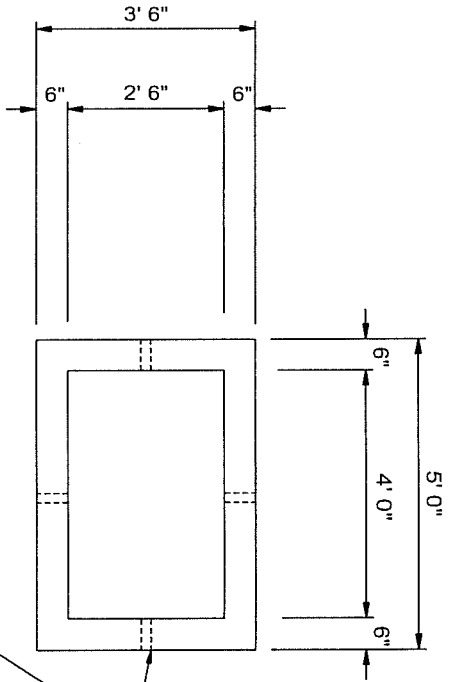
See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.



SCALE

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COASTAL PIPELINE			
(631) 369-4000 PRODUCTS CORP.			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: Precast Concrete Port Authority Storm Sewer Inlet			
scale	date	dwn. by	dwg. no.
As-Noted	7/22/02	G.S.E.	PAINLET



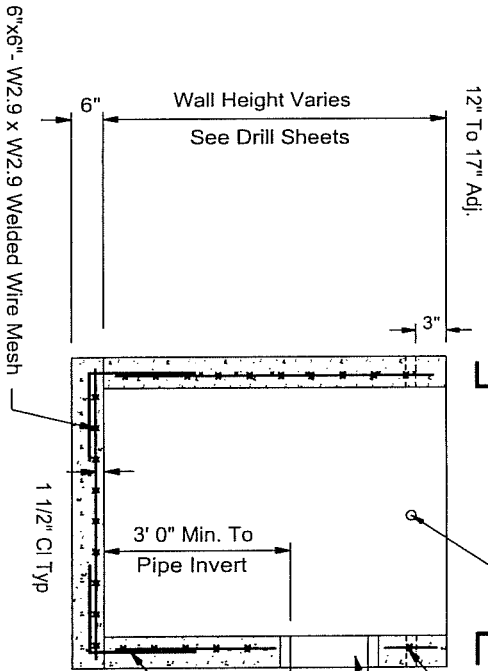
Plan

1 1/2" Ø PVC Sleeve 3" Down From Top Of Each Wall @ Center For Sub-Surface Drain.

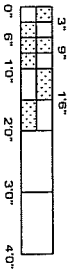
Frame & Grate Bricked To Grade By Contractor

6" x 6" - W2.9 x W2.9 Welded Wire Mesh

See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.



Section



SCALE

Specifications

Concrete- 4000 psi @ 28 Days

Rebar- ASTM A-615 Grade 60

Welded Wire Mesh- ASTM A-185

Air-Entrained Concrete Shall Be Used.

F:\DC\BOX\Paicb.dcd

COASTAL PIPELINE
PRODUCTS CORP.

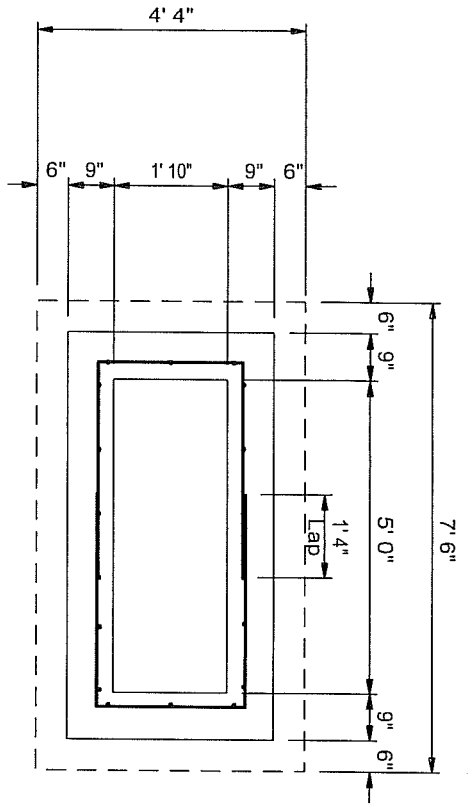
(631)369-4000
P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:

Contractor:

Product: Precast Concrete Port Authority
Type II Catch Basin

scale	date	dwn. by	dwg. no.
As-Noted	7/22/02	G.S.E.	PAICB

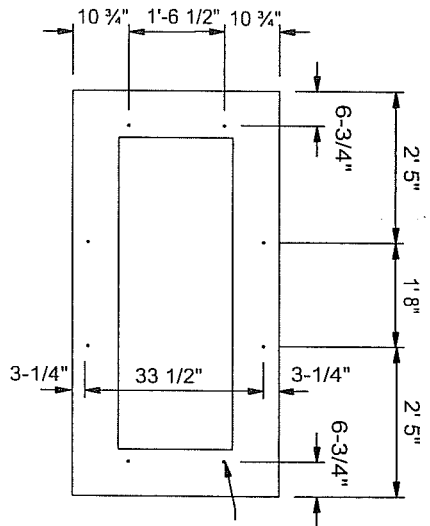


Plan

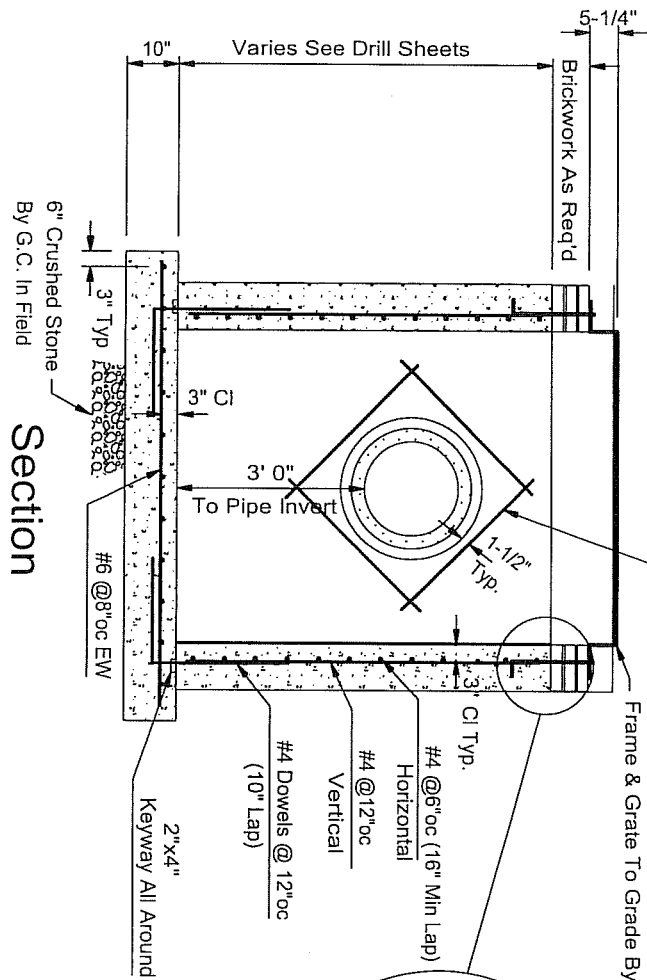
#4 @ 45° To Standard Steel And 4" Clearance From Inside Face Wall

Anchor Bolt Layout

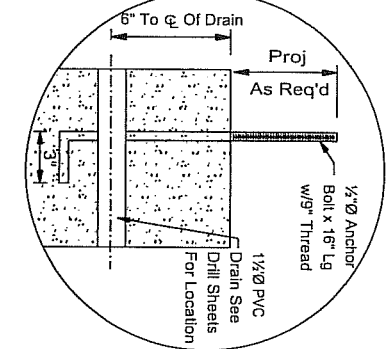
For Frame Plan See Campbell Shop Drawing



1/2"Ø x 16" Long x 3" Leg Anchor Bolt Supplied By Contractor Cast Into Wall (Typ. 8)



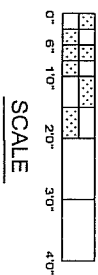
Section



Specifications

Concrete- 4000 psi @ 28 Days

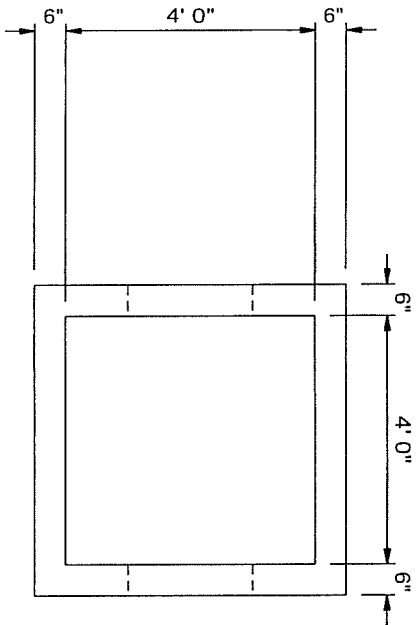
Rebar- ASTM A-615 Grade 60



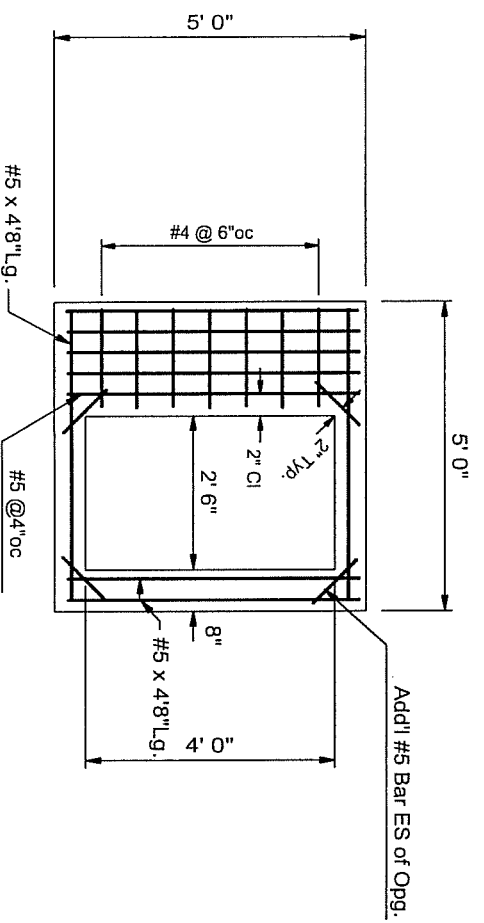
SCALE

F:\DC\BOX\PA\fillcbr.dcd

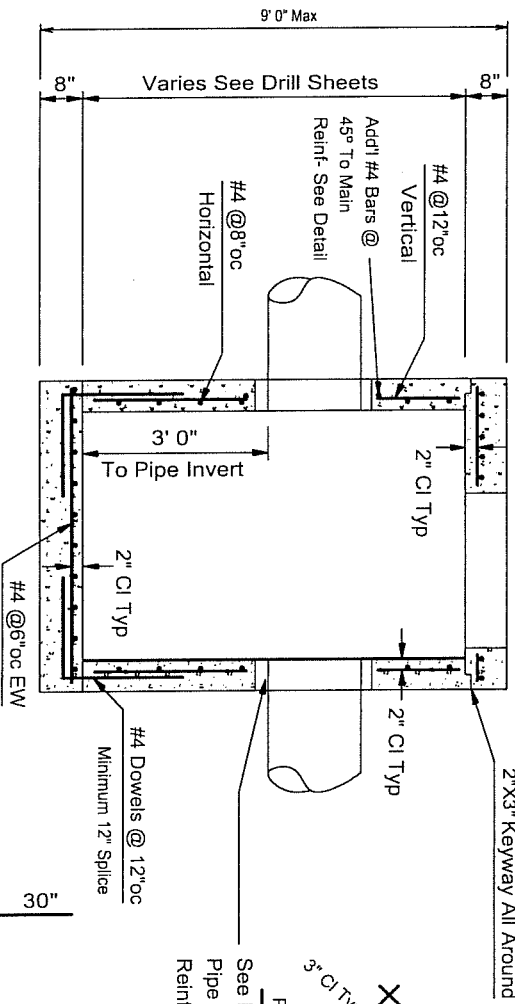
COASTAL PIPELINE PRODUCTS CORP.			
(631)369-4000			
P.O. Box 575, Twamney Ave., Calverton NY 11933			
Project: _____			
Contractor: _____			
Product:	Precast Concrete Port Authority Aircraft Type III Catch Basin	dwn. by	dwg. no.
scale	date	7/22/02	G.S.E.
As-Noted			PAILICB



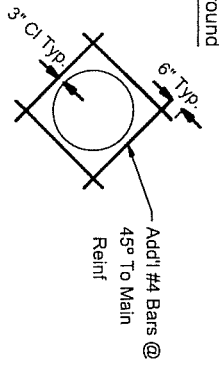
Plan



Top Slab

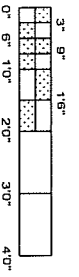
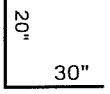


Section



Pipe Opening Detail

See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.



SCALE

Specifications

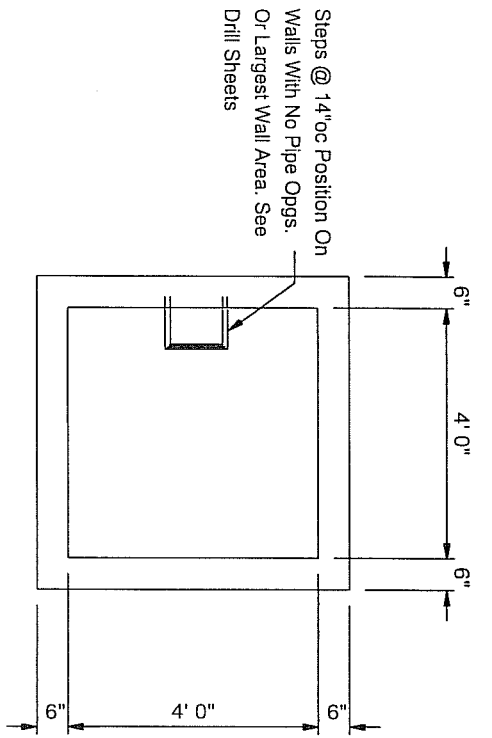
Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60
 Air-Entrained Concrete Shall Be Used.

COASTAL PIPELINE
 (631)369-4000 PRODUCTS CORP.
 P.O. Box 575, Tworney Ave., Calverton NY 11933

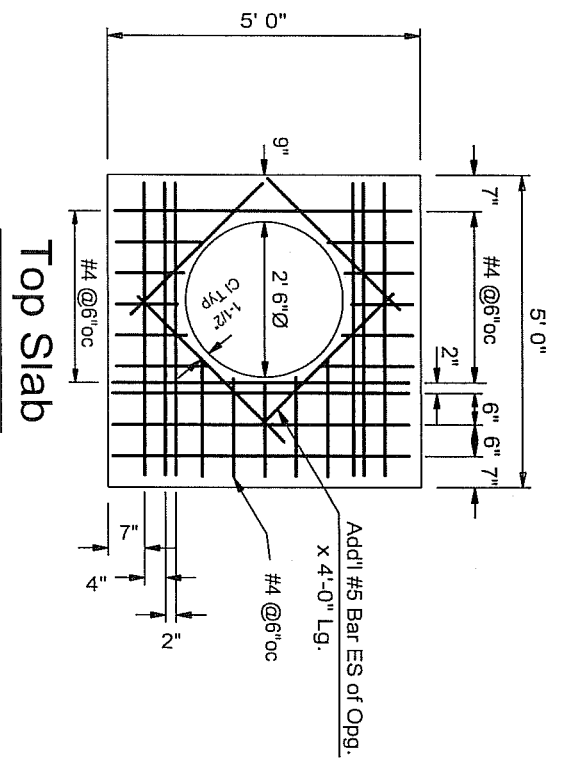
Project:
 Contractor:

Product: Precast Concrete Port Authority
 Type IV Catch Basin

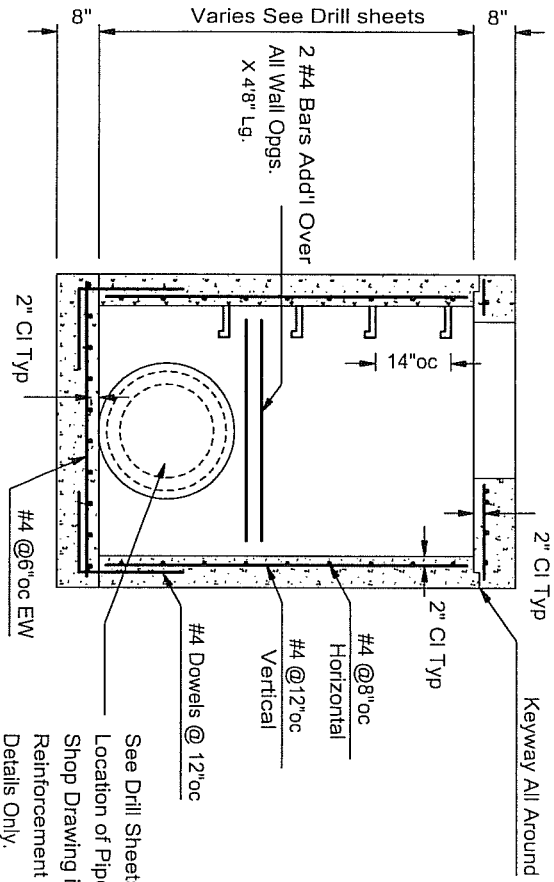
scale	date	dwn. by	dwg. no.
As-Noted	7/22/02	G.S.E.	PAVCB



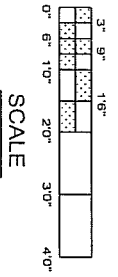
Plan



Top Slab



Section



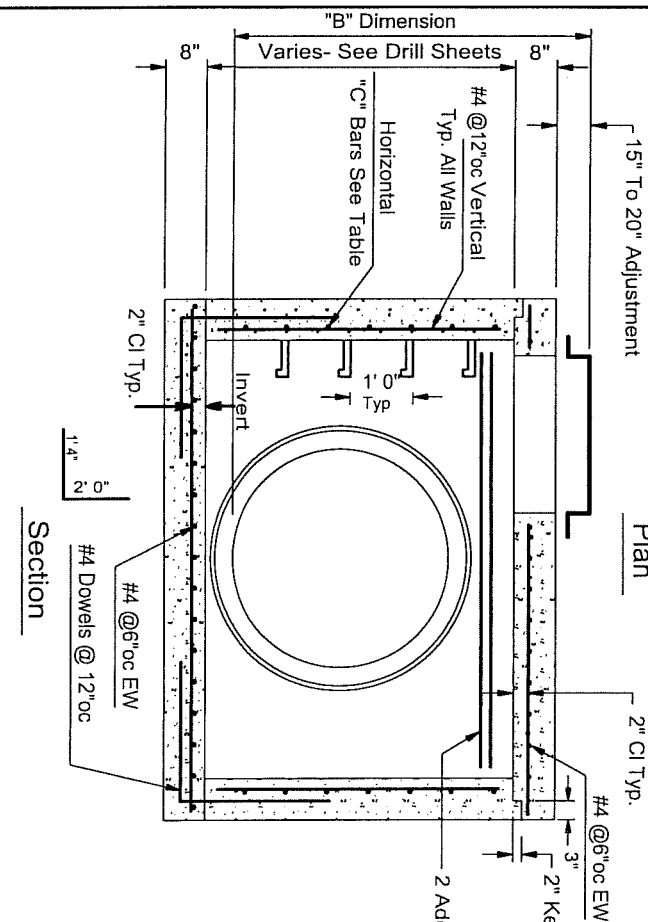
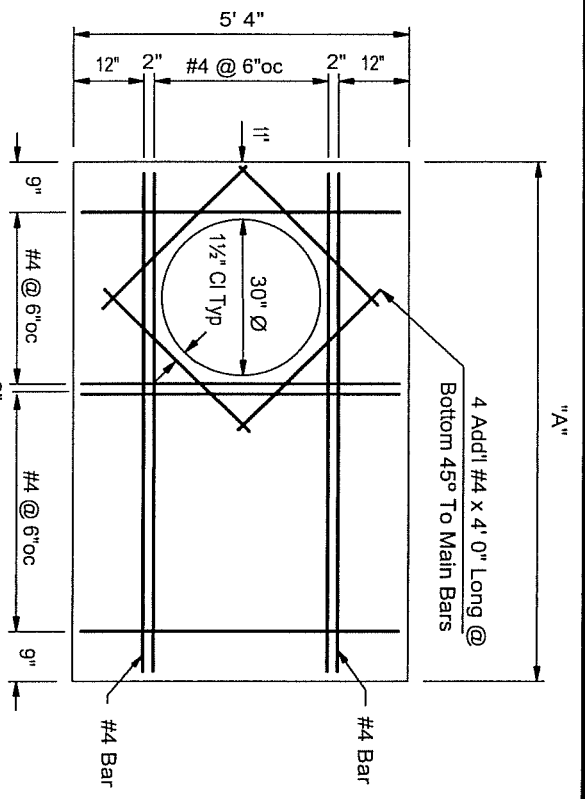
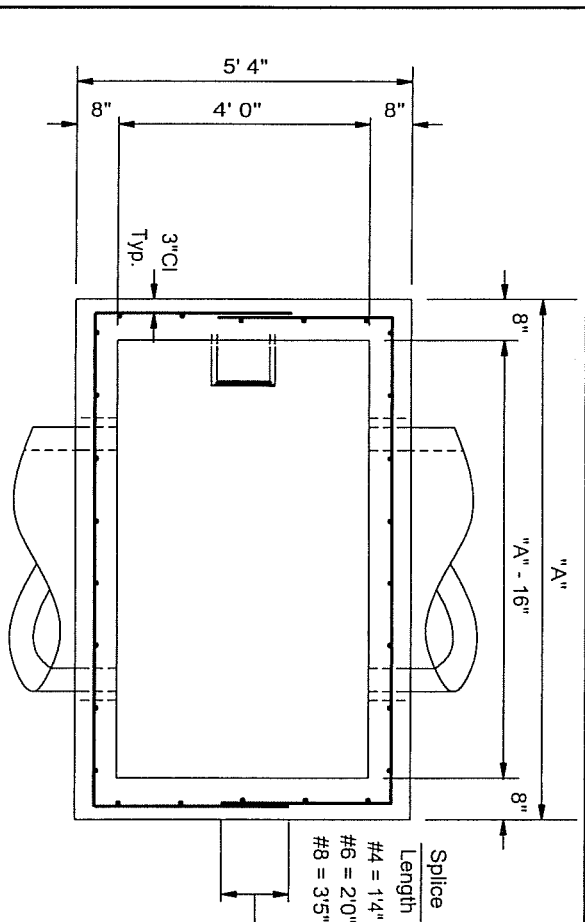
See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.

Specifications

Concrete- 4000 psi @ 28 Days
 Air-Entrained Concrete Shall Be Used.
 Rebar- ASTM A-615 Grade 60
 Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal

COASTAL PIPELINE PRODUCTS CORP.
 (631)369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:			
Contractor:			
Product: Precast Concrete Port Authority Type II Manhole			
scale	date	dwn. by	dwg. no.
As-Noted	7/22/02	G.S.E.	PAIMH



Outlet I.D.	"A"	Reinf. Designated "C"	
		"B" ≤ 9' 0"	"B" > 9' 0"
54"	7' 6"	#4 @ 10" oc	#4 @ 6" oc
42"	6' 0"	#4 @ 12" oc	#4 @ 12" oc
48"	7' 0"	#4 @ 12" oc	#4 @ 8" oc
60"	8' 0"	#4 @ 9" oc	#6 @ 12" oc
66"	9' 0"	#4 @ 8" oc	#6 @ 8" oc
72"	9' 6"	#4 @ 6" oc	#6 @ 6" oc
53"x83"HERCP	10' 6"	#4 @ 6" oc	#6 @ 6" oc

Specifications

Concrete- 4000 psi @ 28 Days

Rebar- ASTM A-615 Grade 60

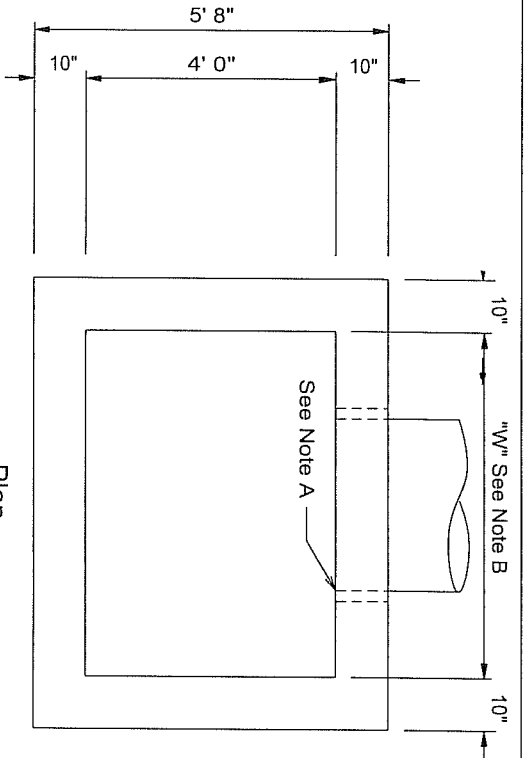
Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal

See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.

COASTAL PIPELINE PRODUCTS CORP.
 (631)369-4000
 P. O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____
 Contractor: _____
 Product: Precast Concrete Port Authority Type A Manhole
 scale: _____ date: _____ dwgn. by: _____ dwg. no.: _____
 As-Noted 7/22/02 G.S.E. PAAMH

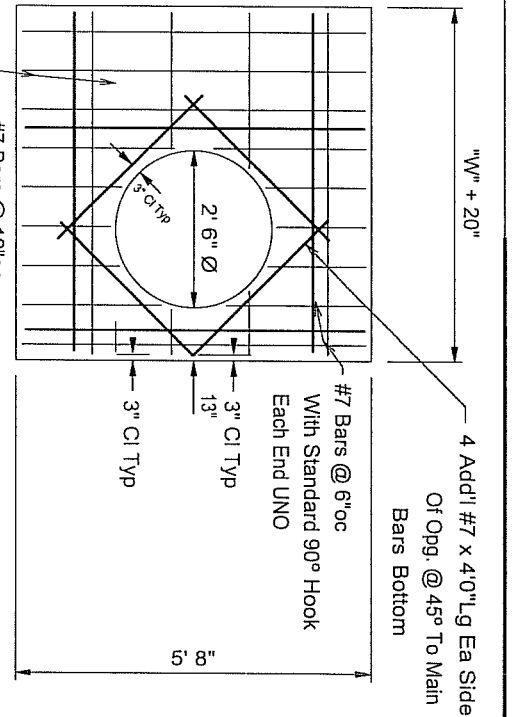
F:\DC\BOX\Paamh.dcd



Plan

Note A
See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.

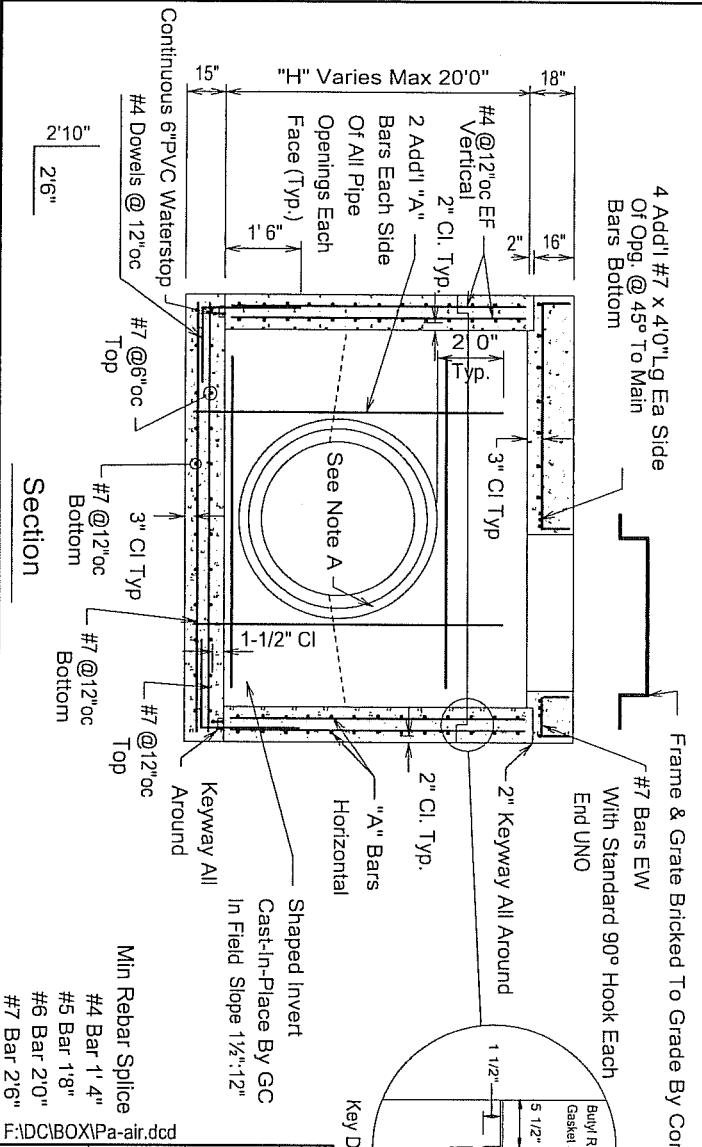
Note B
Minimum Inside Wall Dimension "W" To Be Determined By (O.D./sinθ) + 2. Minimum 4'-Maximum 8'



Top Slab

Specifications

Concrete- 5000 psi @ 28 Days
Rebar- ASTM A-615 Grade 60
Joint Seal- 1" Sq. or 1" Dia. Self Sealing Butyl Rubber Gasket Equal to Fed. Spec.
SS-S-00210



Section

Reinforcement Table

"W"	"H"	"A"
4' UP To 5'	#5 @ 5"	#5 @ 5"
5' To 10'	#5 @ 12"	#5 @ 12"
10' To 15'	#5 @ 10"	#5 @ 10"
15' To 20'	#6 @ 12"	#6 @ 12"
6' UP To 5'	#6 @ 6"	#6 @ 6"
5' To 10'	#6 @ 12"	#6 @ 12"
10' To 15'	#6 @ 10"	#6 @ 10"
15' To 20'	#6 @ 9"	#6 @ 9"
7' UP To 5'	#7 @ 6"	#7 @ 6"
5' To 10'	#7 @ 12"	#7 @ 12"
10' To 15'	#7 @ 10"	#7 @ 10"
15' To 20'	#7 @ 9"	#7 @ 9"

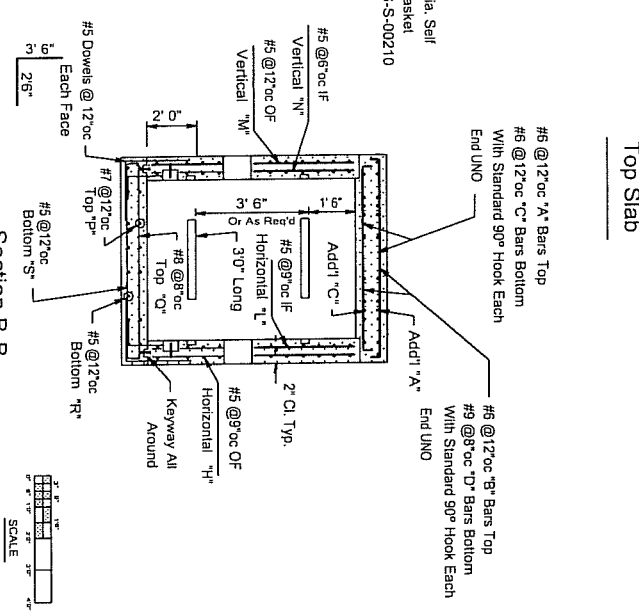
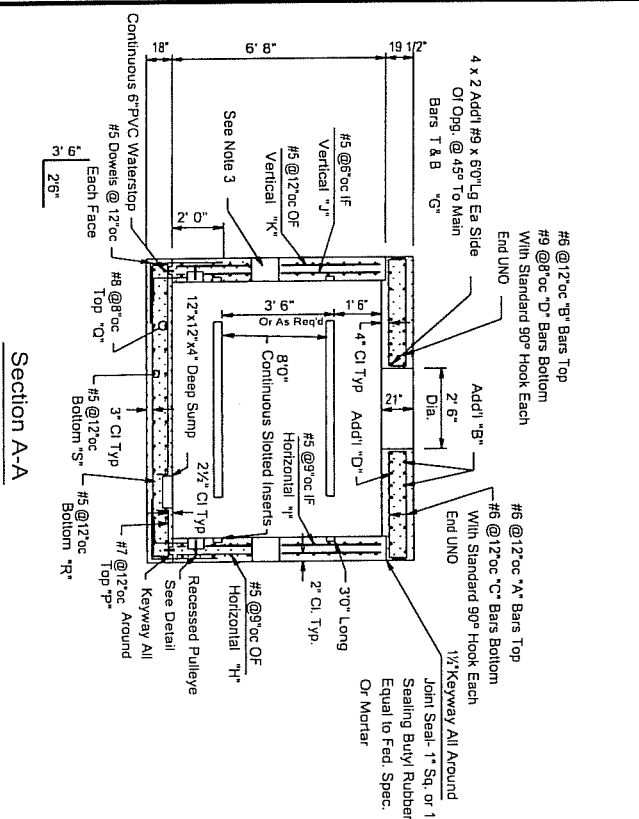
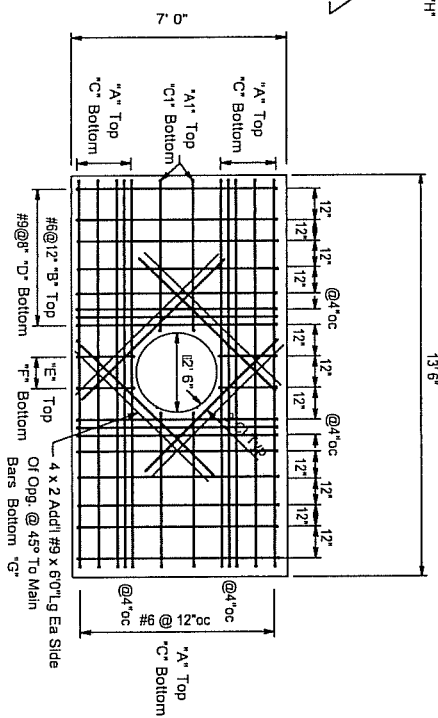
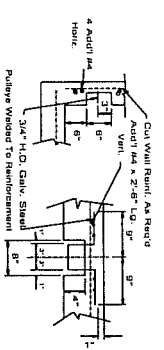
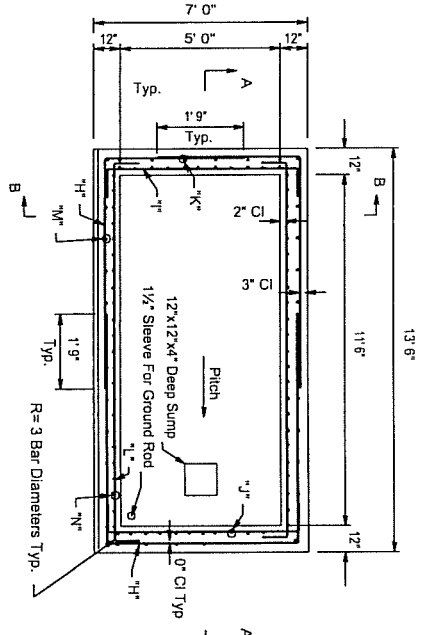
COASTAL PIPELINE PRODUCTS CORP.
(631)369-4000
P. O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____
Contractor: _____

Product: Precast Concrete Port Authority Aircraft Manhole

scale _____ date _____ dwrn. by _____ dwg. no. _____

As-Noted 7/22/02 G.S.E. PA-AIRMH



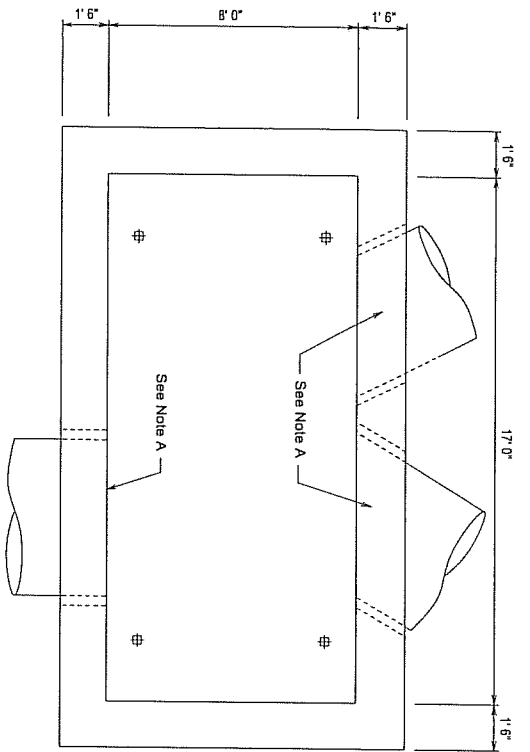
Mark	Quan	Size	Length	Without Hook	Location	Shape
A	10	#6	13'-2"		Top Slab (Top)	Straight w/ 90° Hook
A1	4	#6	5'-2"		Top Slab (Top)	Straight w/ 90° Hook
B	18	#6	6'-8"		Top Slab (Top)	Straight w/ 90° Hook
C	10	#6	13'-2"		Top Slab (Bottom)	Straight w/ 90° Hook
C1	4	#6	5'-2"		Top Slab (Bottom)	Straight w/ 90° Hook
D	18	#6	6'-8"		Top Slab (Bottom)	Straight w/ 90° Hook
E	4	#6	1'-11"		Top Slab (Top)	Straight w/ 90° Hook
F	6	#9	1'-11"		Top Slab (Bottom)	Straight w/ 90° Hook
G	16	#9	6'-0"		Top Slab (Top)	Straight
H	36	#5	11'-7"		Long Wall-Horiz OF	7'-2" 7'-5" 1'-2"
I	18	#5	7'-4"		Short Wall-Horiz IF	1'-2" 5'-4" 1'-2"
J	22	#5	6'-4"		Short Wall-Vert IF	Straight
K	26	#5	6'-4"		Short Wall-Vert OF	Straight
L	36	#5	13'-10"		Long Wall-Horiz IF	1'-2" 1'-10" 1'-2"
M	28	#5	6'-4"		Long Wall-Vert OF	Straight
N	48	#5	6'-4"		Long Wall-Vert IF	Straight
P	8	#7	13'-2"		BS Top LW	Straight w/ 90° Hook
Q	20	#8	6'-6"		BS Top SW	Straight w/ 90° Hook
R	8	#5	13'-2"		BS Bottom LW	Straight w/ 90° Hook
S	13	#5	6'-6"		BS Bottom SW	Straight w/ 90° Hook

Specifications

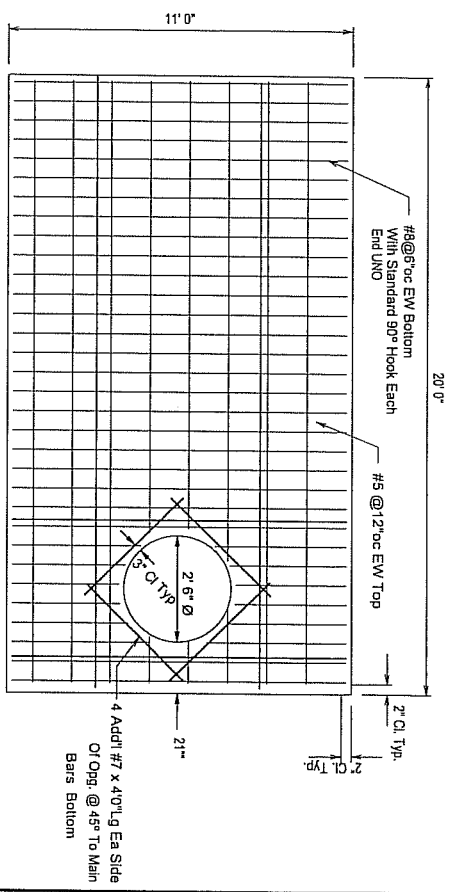
- Concrete - 4000 psi @ 28 Days
- Rebar - ASTM A-615 Grade 60
- See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.

COASTAL PIPELINE
 (631)369-4000 **PRODUCTS CORP.**
 P.O. Box 575, Twomey Ave., Calverton NY 11933

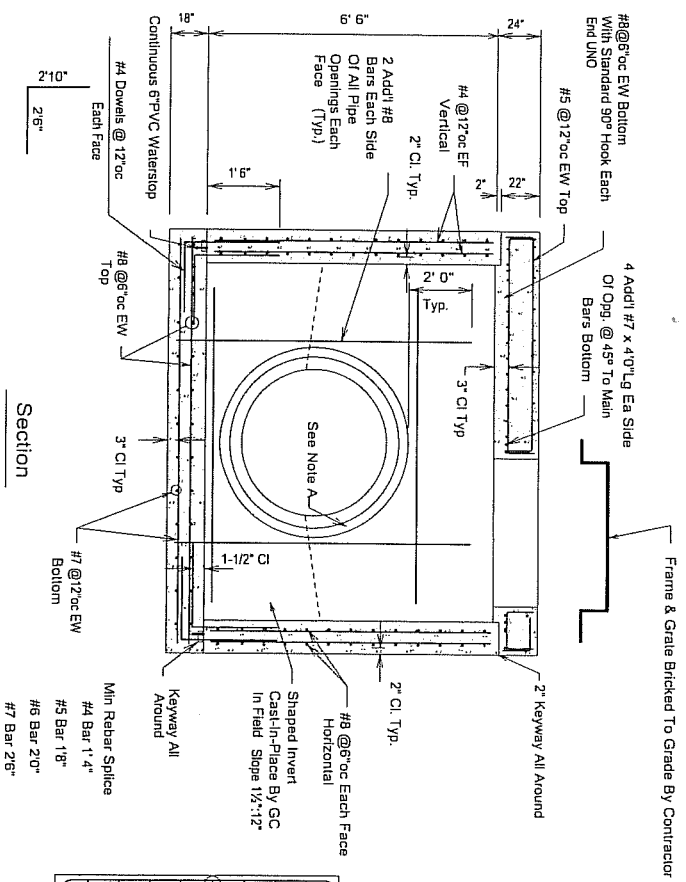
Contractor: _____
 Product: Port Authority Precast Concrete Type A Electrical Manhole w/All Loading
 scale: _____ date: _____ dwm. by: _____ dwg. no.: _____
 As-Noted 10/20/00 G.S.E. PAE-A-Air



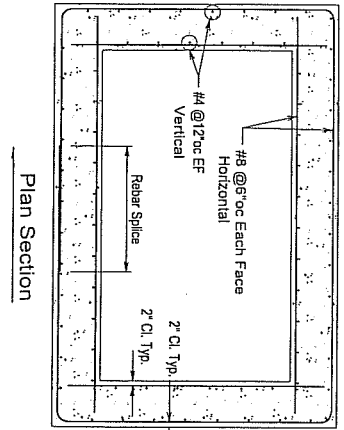
Plan



Top Slab



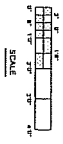
Section



Plan Section

F:\DC\BOX12004\04-044A.dcd

Note A
See DMI Sheets For Size, Weights and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.



Specifications

Concrete- 5000 psi @ 28 Days
Rebar- ASTM A-615 Grade 60
Joint Seal- 1" Sq. or 1" Dia. Self Sealing Butyl
Rubber Gasket Equal to Fed. Spec.
SS-S-00210

COASTAL PIPELINE
PRODUCTS CORP.
P.O. Box 575, Twomey Ave., Calverton NY 11933
(631)369-4000

Project: EWR-344,065

Contractor:

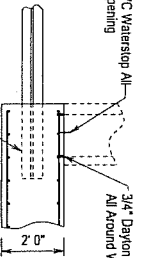
Product: Precast Concrete Special Manhole A3

scale	date	dwn. by	dwg. no.
As-Noted	1/22/04	G.S.E.	04-044A

Specifications

Concrete - 4000 psi @ 28 Days
 Rebar - ASTM A-615 Grade 60 Epoxy Coated
 All Rebar Clearances To Be 2" Unless Noted Otherwise
 Joint Seal - 1" Sq or 1" Dia Seal Sealing
 Buy/ Rubber Gasket Equal
 To Fed Spec SSS-00210.

Continuous PVC Waterstop All Around Wall Opening
 3/4" Dayton Ferrule Inserts @ 6" oc All Around Wall Opening EF



W8 x 40 x 80" Lg. Cast in Wall For Shipping
 GC To Burn Off Flush in Field After Setting Wall Section

Section A-A

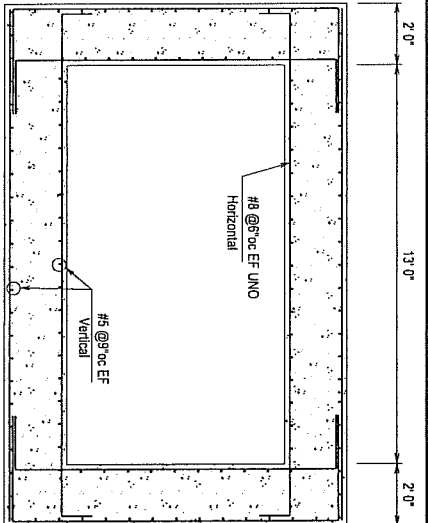
4" W x 4" H Curb Poured in Field By GC On 3 Sides #4 Dowels @ 12" oc w/ 2" Projection Cast Into Top Slab

5" Typ.

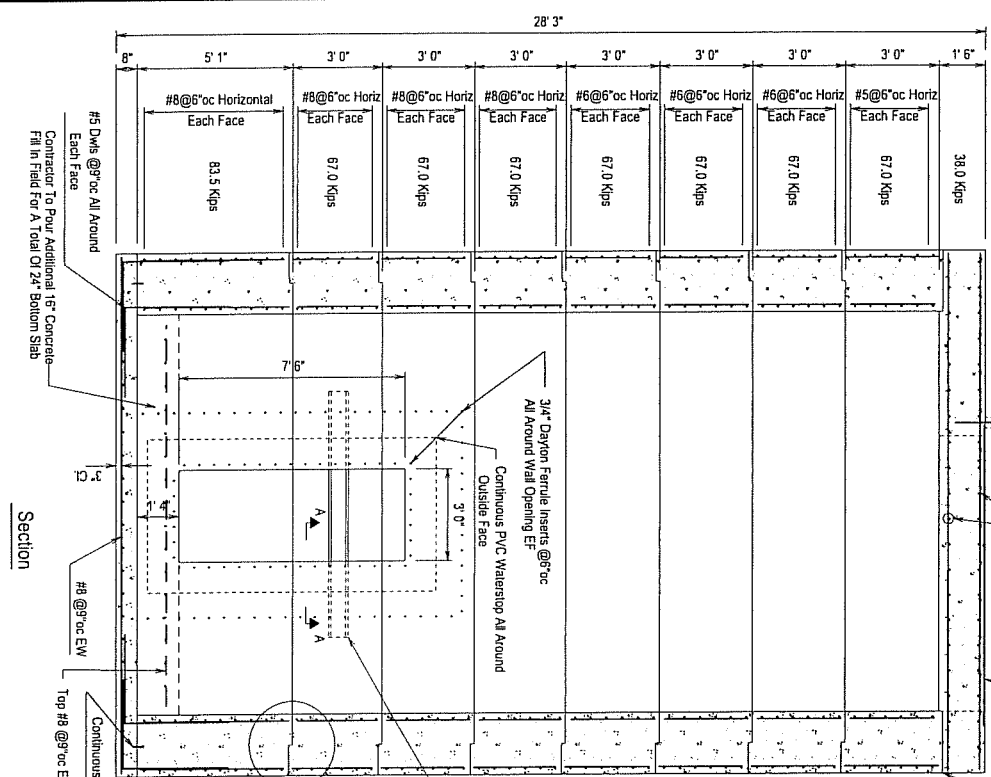
#6 @ 10" oc EW Top & Bottom

108"x42" Alum Access Hatch Furnished By Contractor & Cast Into Top Slab.

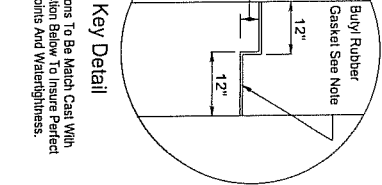
1/2" Keyway All Around



Plan



Section



All Sections To Be Match Cast With The Section Below To insure Perfect Filling Joints And Water-tightness.

F:\DC\BOX\2004\104-057F.dcd

COASTAL PIPELINE
 (631) 259-4000 PRODUCTS CORP.
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: S3P305-G Pump Stations

Contractor:

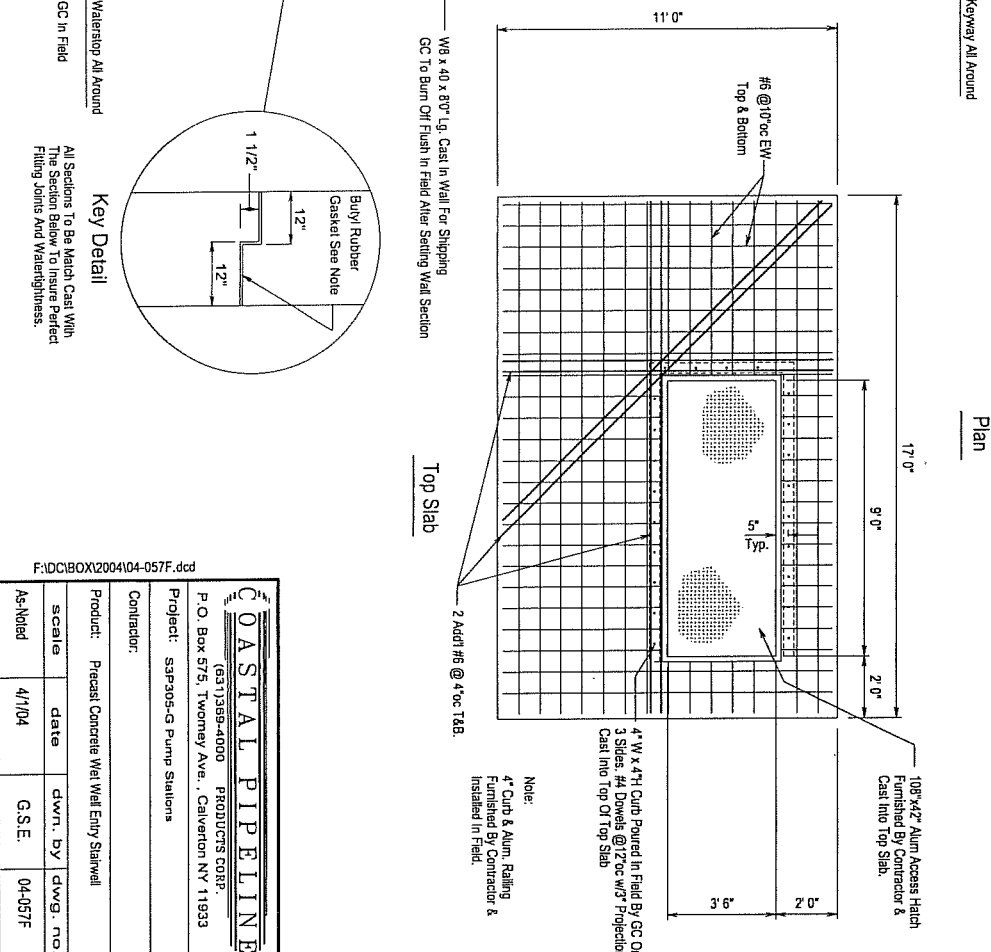
Product: Precast Concrete Wet Well Entry Station

scale	date	dwn. by	dwg. no.
As-Noted	4/1/04	G.S.E.	04-057F

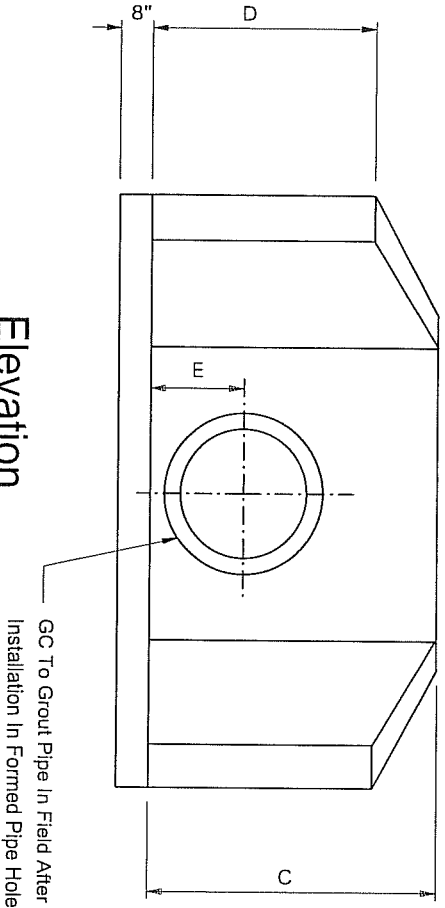
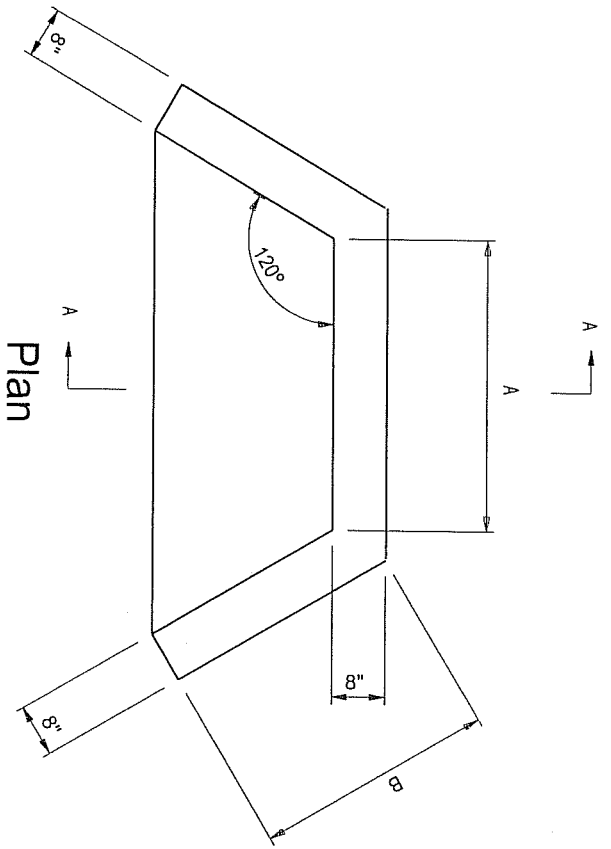
Note:
 4" Curb & Alum. Railing Furnished by Contractor & Installed in Field.

4" W x 4" H Curb Poured in Field By GC On 3 Sides #4 Dowels @ 12" oc w/ 2" Projection Cast Into Top Slab

2 Add'l #6 @ 4" oc T&B.

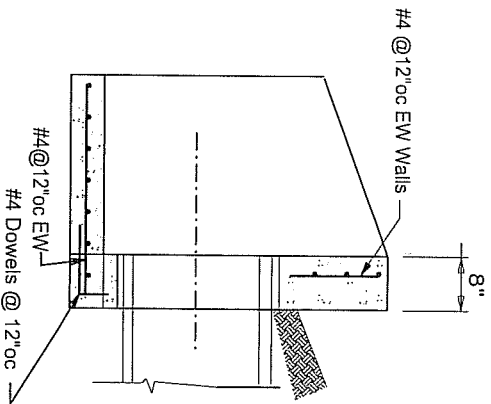


Top Slab



Elevation

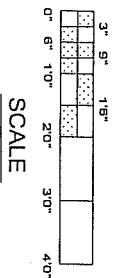
GC To Grout Pipe In Field After
Installation In Formed Pipe Hole



Section A-A

Notes

Concrete 4000 psi @ 28 Days
Rebar ASTM A-615 Grade 60



Pipe Dia	A	B	C	D	E	Weight
12"	36"	30"	36"	18"	12"	3845#
15"	48"	30"	42"	21"	13 1/2"	4760#
18"	48"	30"	42"	21"	15"	4760#
24"	60"	36"	48"	24"	18"	6090#
30"	72"	36"	54"	27"	21"	7475#
36"	78"	48"	60"	30"	24"	9945#
42"	84"	48"	72"	36"	30"	11,325#
48"	84"	48"	72"	36"	30"	11,325#
54"	84"	60"	84"	48"	42"	13,325#
60"	84"	60"	84"	48"	42"	13,325#
66"	84"	60"	84"	48"	42"	13,325#
72"	84"	60"	84"	48"	42"	13,325#

COASTAL PIPELINE
PRODUCTS CORP.

651 355-4000
P.O. Box 575, Twomey Ave., Calverton NY 11933

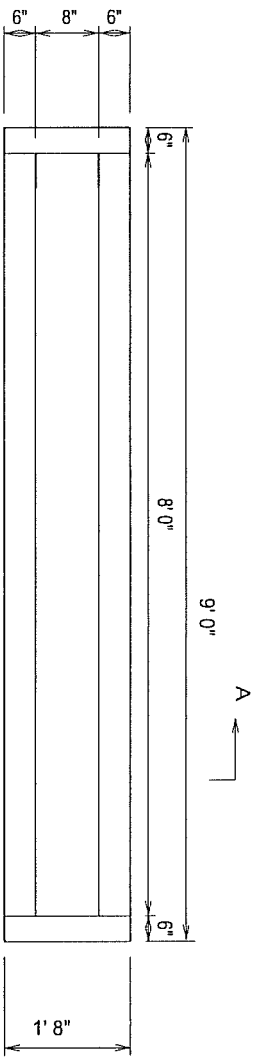
Project:

Contractor:

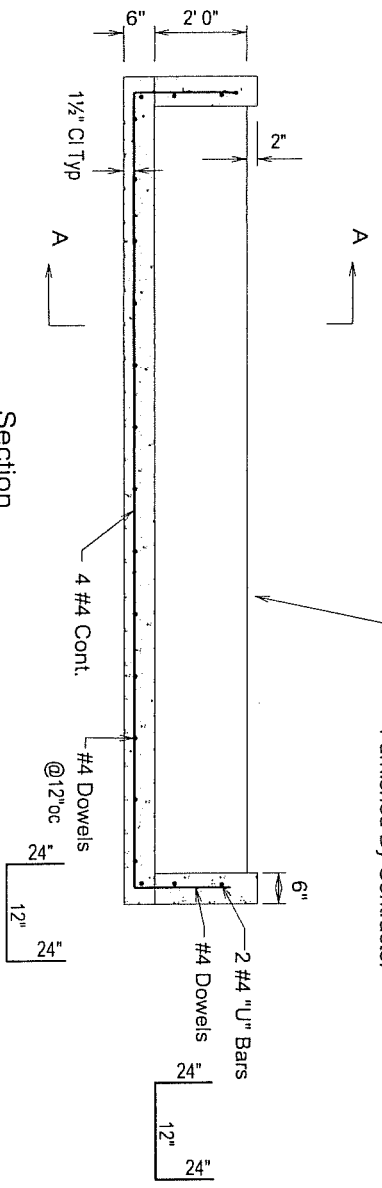
Product: Precast Concrete Wing Wall

scale date dwn. by dwg. no.

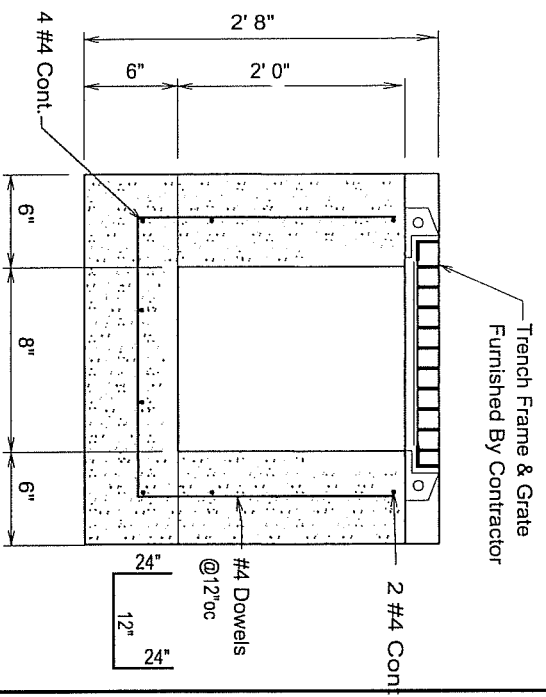
As-Noted 09/21/93 G.S.E. WINGWALL



Plan



Section



Section A-A

Trench Frame & Grate
Furnished By Contractor

Trench Frame & Grate
Furnished By Contractor

Notes

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60

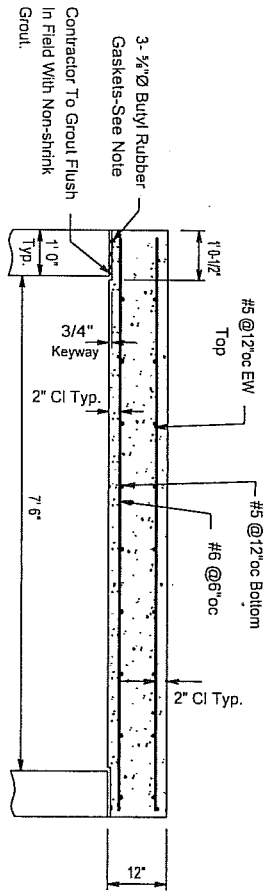
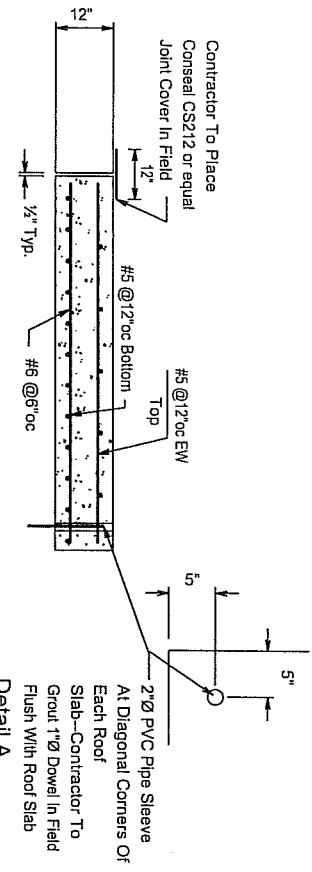
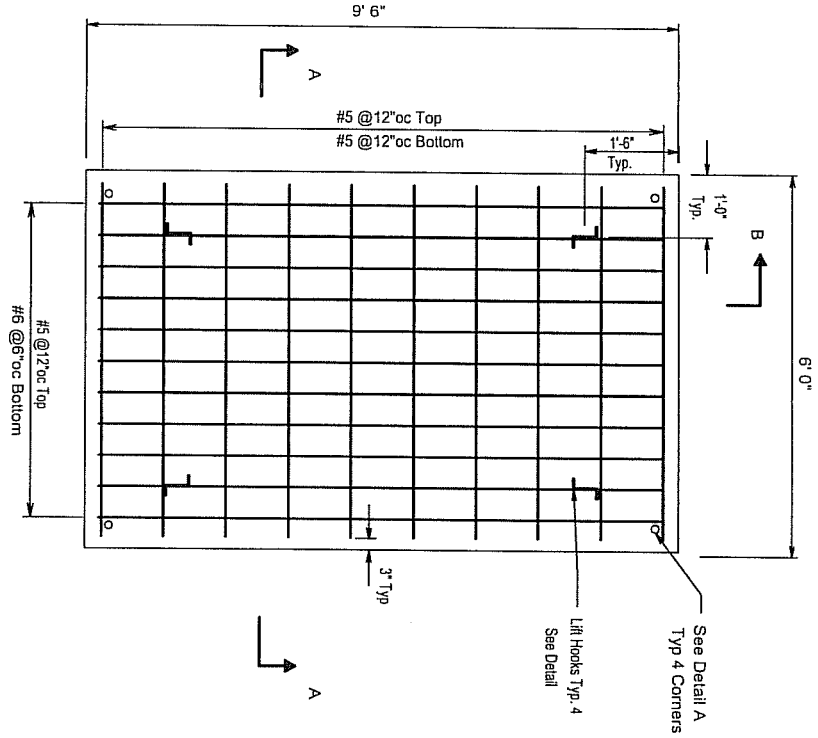
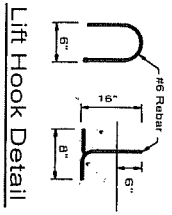
COASTAL PIPELINE
PRODUCTS CORP.
(631)368-4000

P.O. Box 575, Twomey Ave., Calverton NY 11933
Project: H96-682 Alhambra Road

Contractor:

Product: Precast Concrete
Trench Drain With End Wall

scale	date	dwn. by	dwg. no.
None	1/22/03	G.S.E.	03-027G



This Shop Drawing Complies With The Latest NYC DEP Standards

Donald O. Raymond
Operations Manager

Specifications

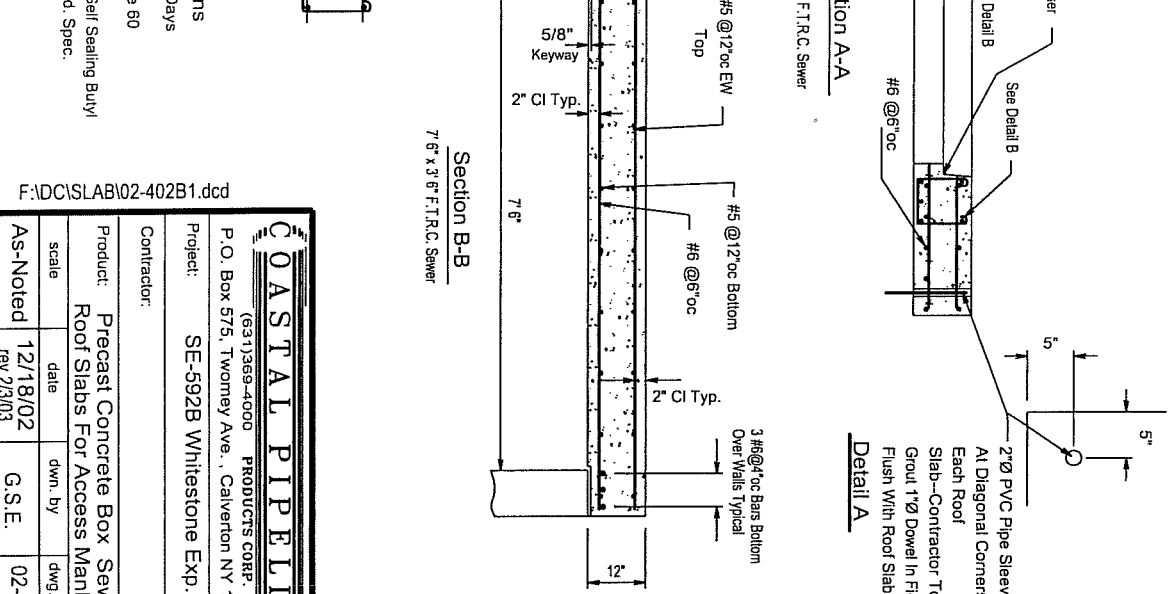
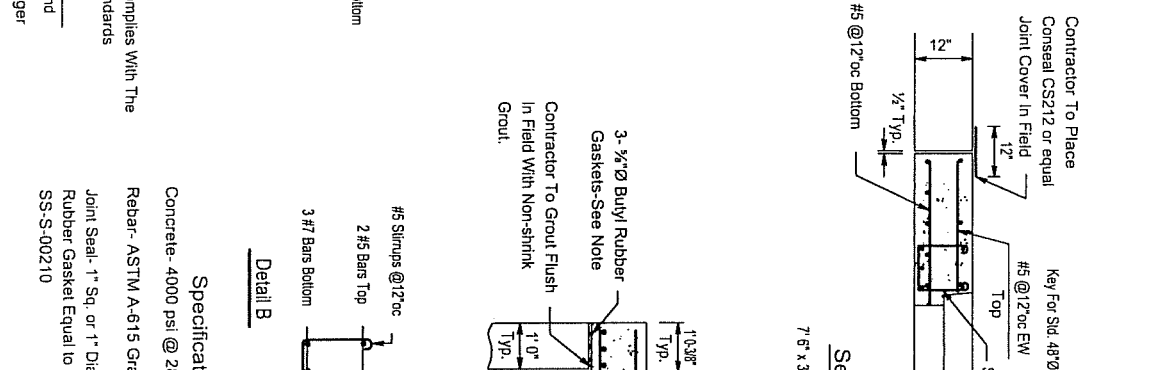
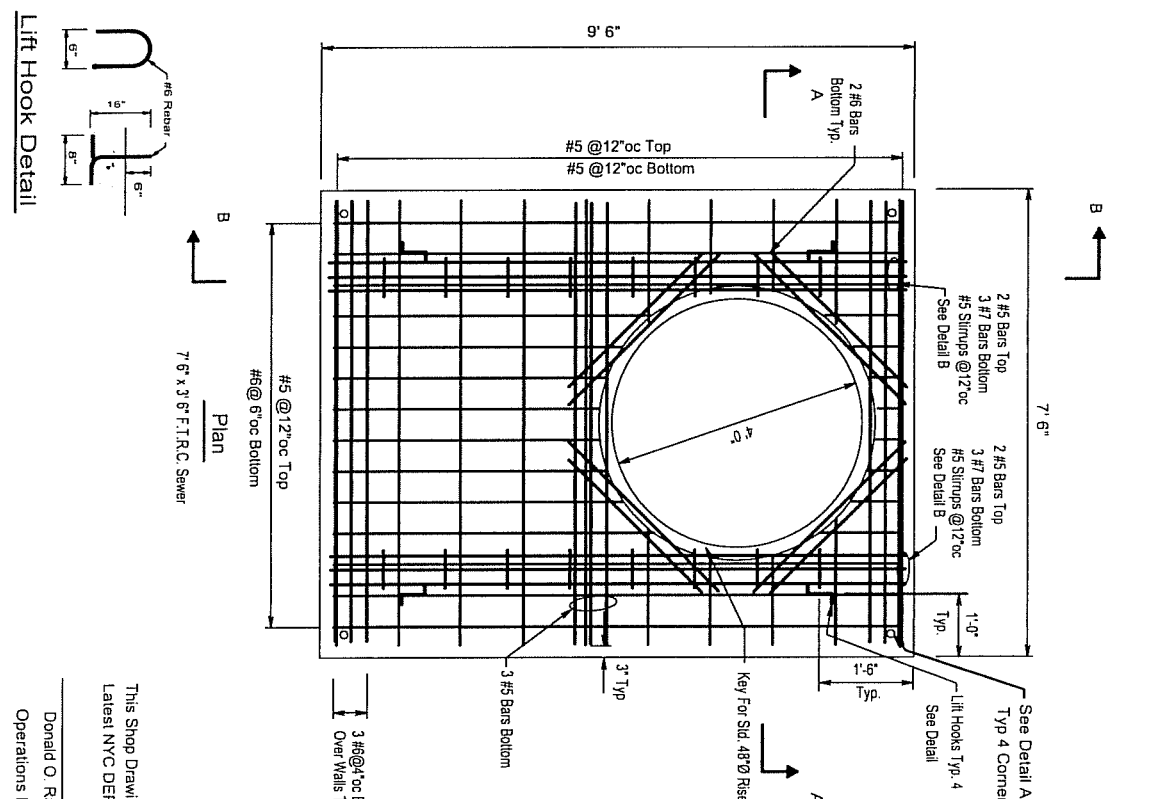
Concrete- 4000 psi @ 28 Days

Rebar- ASTM A-615 Grade 60

Joint Seal- 1" Sq. or 1" Dia. Self Sealing Butyl Rubber Gasket Equal to Fed. Spec. SS-S-00210

F:\DC\SLAB\02-402A1.dcd

COASTAL PIPELINE		PRODUCTS CORP.	
(631) 369-4000		P.O. Box 575, Twomey Ave., Calverton NY 11933	
Project: SE-592B Whitestone Exp.		Contractor:	
Product: Precast Concrete Box Sewer Roof Slabs		scale: 12/18/02	
As-Noted		date: 12/18/02	
		dwn. by: G.S.E.	
		dwg. no.: 02-402A-1	
		rev: 2/3/03	



F:\DC\SLAB02-402B1.dcd

COASTAL PIPELINE			
(631)369-4000		PRODUCTS CORP.	
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:	SE-592B WhiteStone Exp.		
Contractor:	Precast Concrete Box Sewer		
Product:	Roof Slabs For Access Manholes		
scale	date	dwn. by	dwg. no.
As-Noted	12/18/02	G.S.E.	02-402B-1

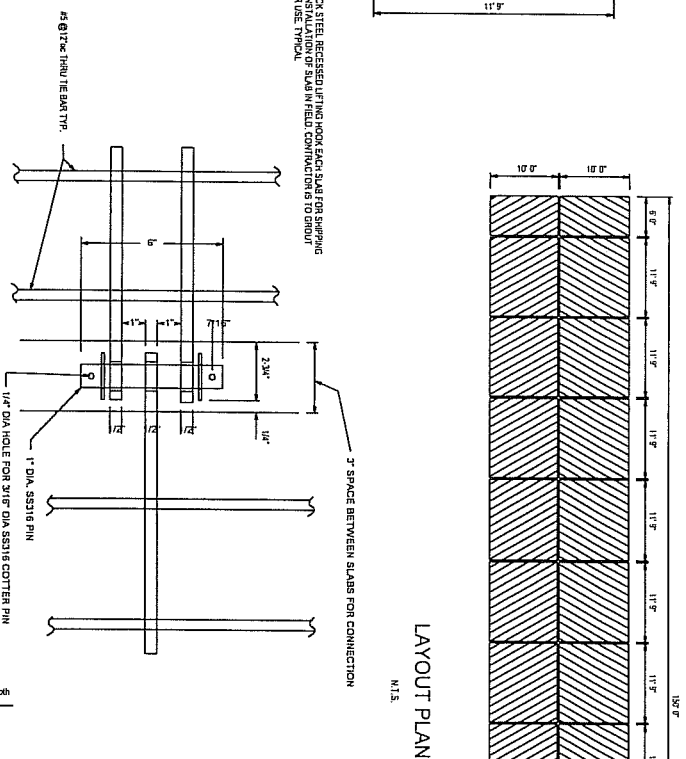
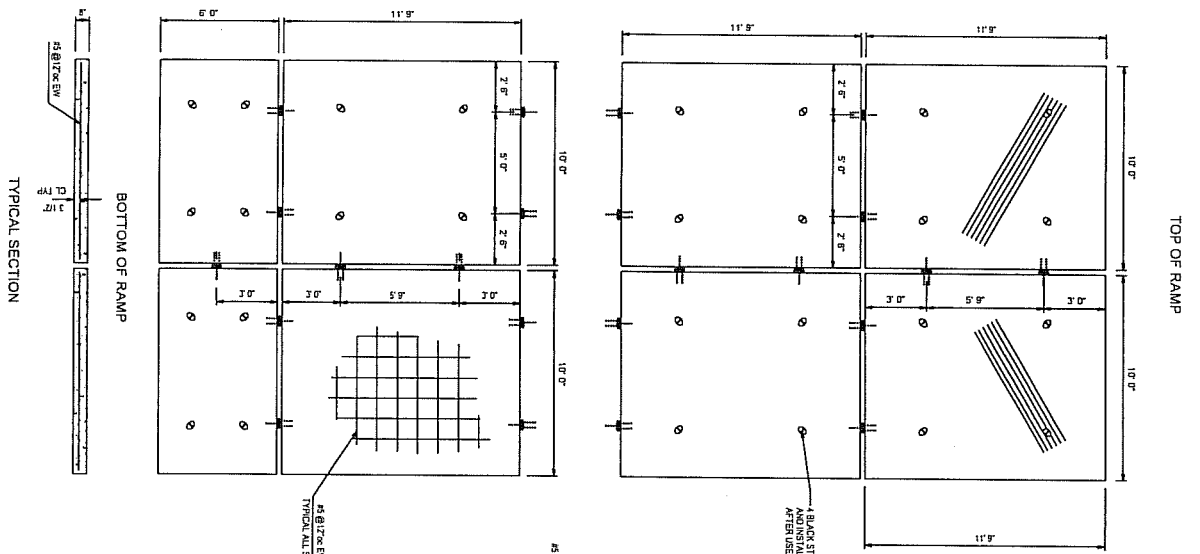
This Shop Drawing Complies With The Latest NYC DEP Standards

Donald O Raymond
Operations Manager

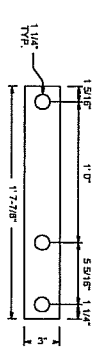
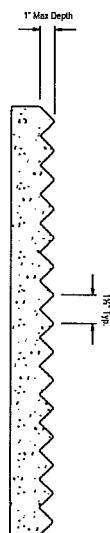
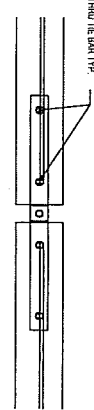
Specifications
Concrete - 4000 psi @ 28 Days

Rebar - ASTM A-615 Grade 60

Joint Seal - 1" Sq. or 1" Dia. Self Sealing Butyl Rubber Gasket Equal to Fed. Spec. SS-S-00210



PLAN - CONNECTION DETAIL
 (7/8" dia. PIN, 1/48 pc. WASHER, 1/48 pc. COTTER PIN)
 N.I.S.



LAYOUT PLAN
 N.I.S.

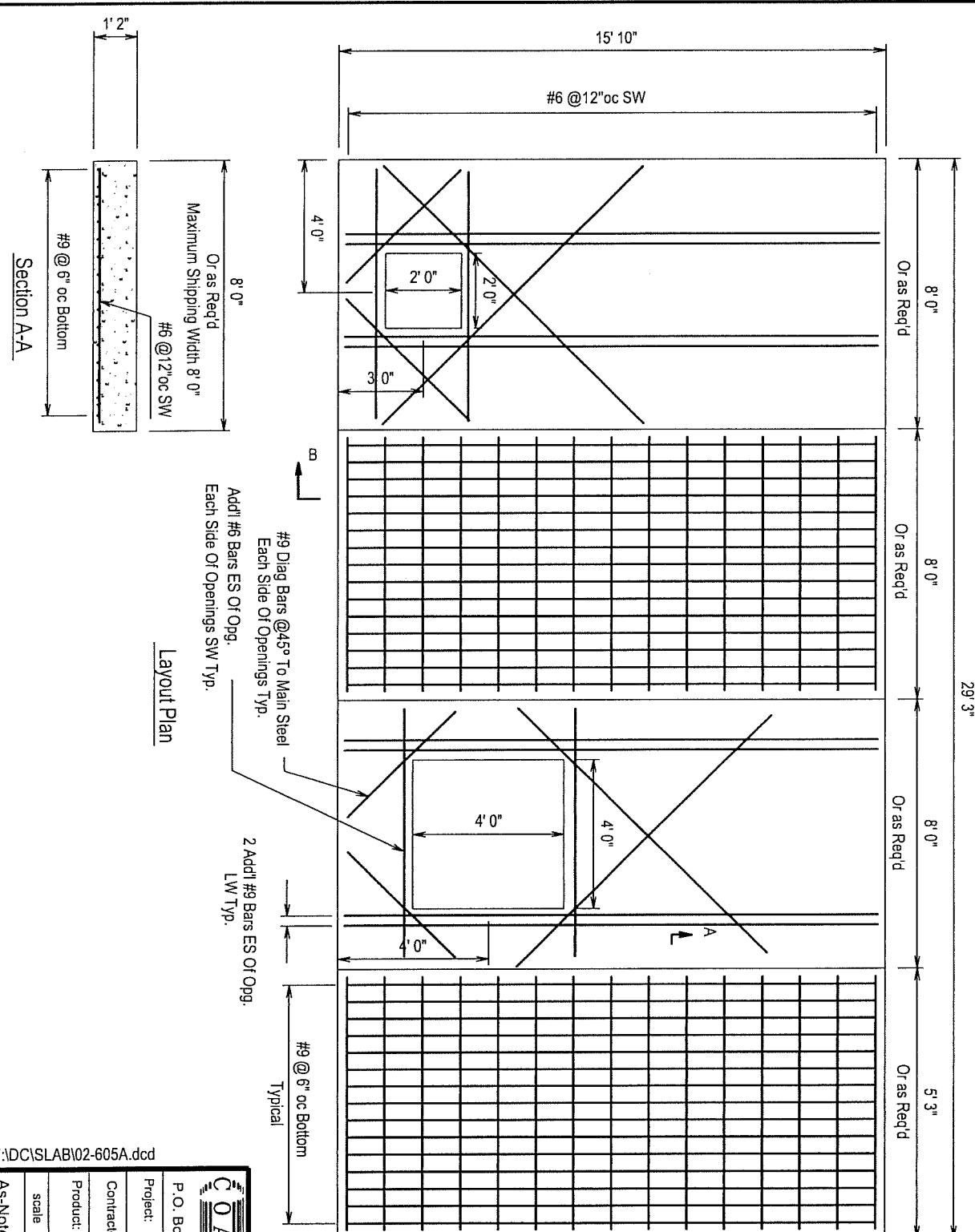
ELEVATION - CONNECTION DETAIL
 N.I.S.

Specifications

Concrete: 4000 psi @ 28 Dns
 Rebar: ASTM A 618 Grade 60
 Epoxy Coated

CASTAL PIPELINE	
300 South Main Street, Suite 1000 Portland, Oregon 97204, U.S.A.	
Product: PRECAST CONCRETE ROAD RAMP	
Contractor: J.D. ROSSIGNOL INC.	Scale: 1/4" = 1'-0"
Project: OREGON SOUTH MAIN	Sheet: 04/0085
AS NOTED	DATE: 1/20/04

F:\DCS\LAB04-0095.dwg



8" Sidewalk Poured On Top Of Slabs
 In Place After Required Waterproofing
 Has Been Performed In Field By
 Contractor. Sidewalk To Be Sloped
 To Match Existing.

See Note 3

Work By
 GC In Field

Section B-B
 Existing Wall

Specifications

- 1) Concrete- 4000 psi @ 28 Days
- 2) Rebar- ASTM A-615 Grade 60
- 3) Joint Seal- 1" Sq or 1" Dia Self Sealing
 Butyl Rubber Gasket Equal
 To Fed Spec SS-S-00210.

CONSTAL PIPELINE PRODUCTS CORP.

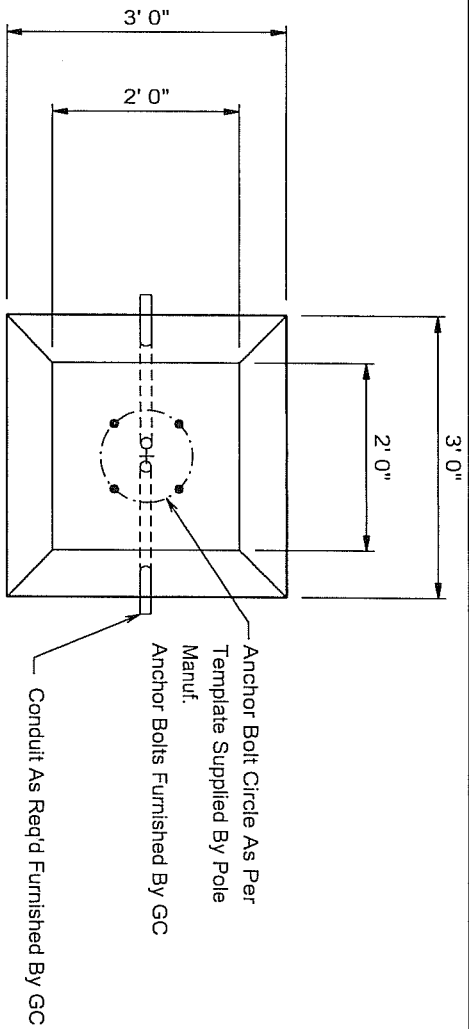
(631)368-4000
 P.O. Box 575, Tworney Ave., Calverton NY 11933

Project: Hoboken City Hall Vault

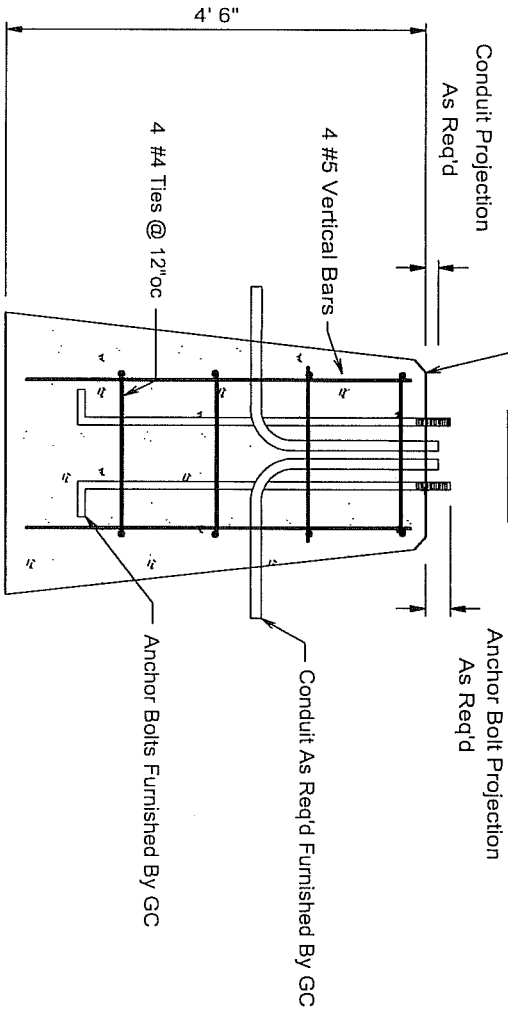
Contractor: Maximum Mechanical Corp.

Product: Precast Concrete Vault Roof Slab

scale	date	dwn. by	dwg. no.
As-Noted	11/1/02	G.S.E.	02-605A



Plan



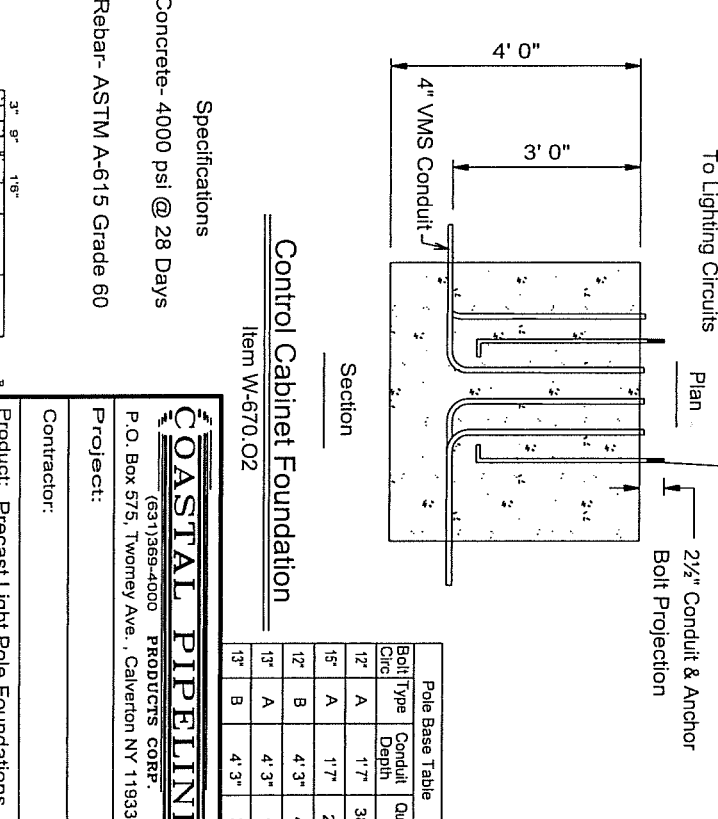
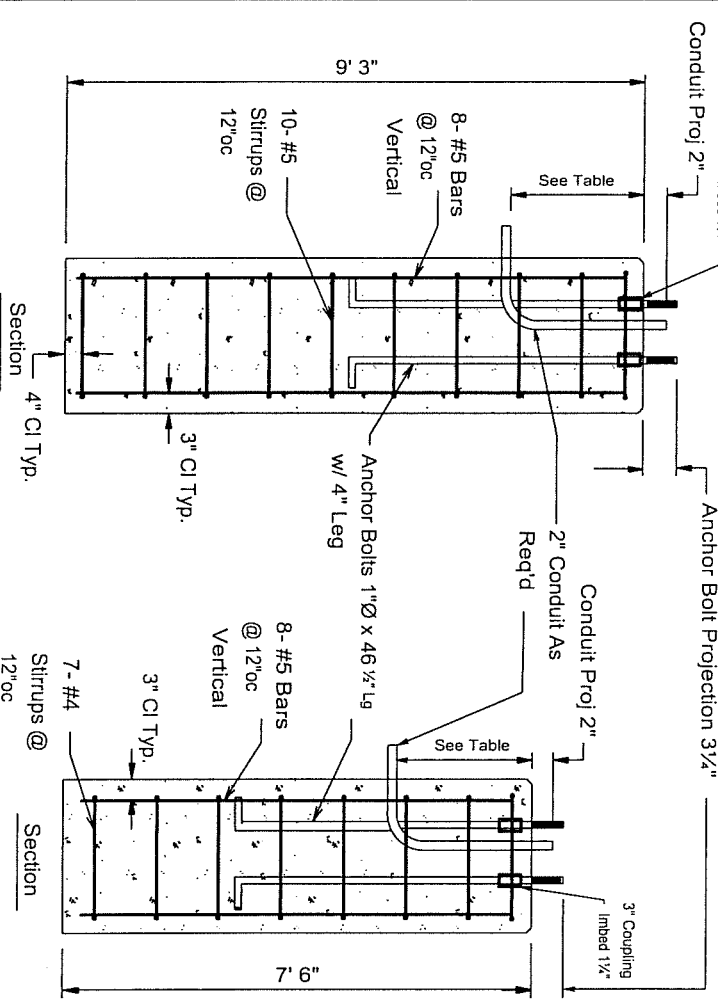
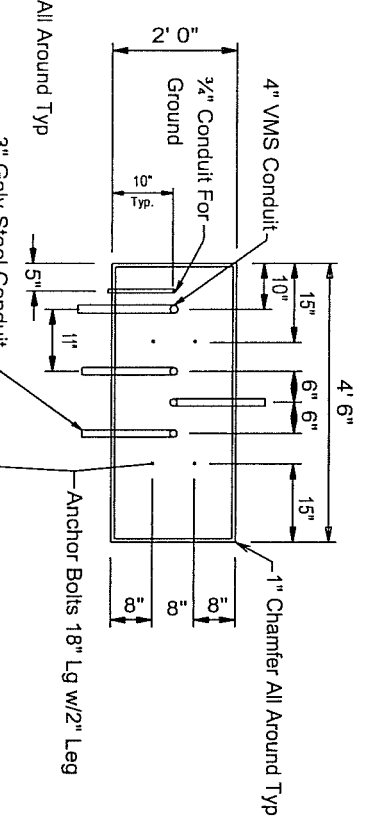
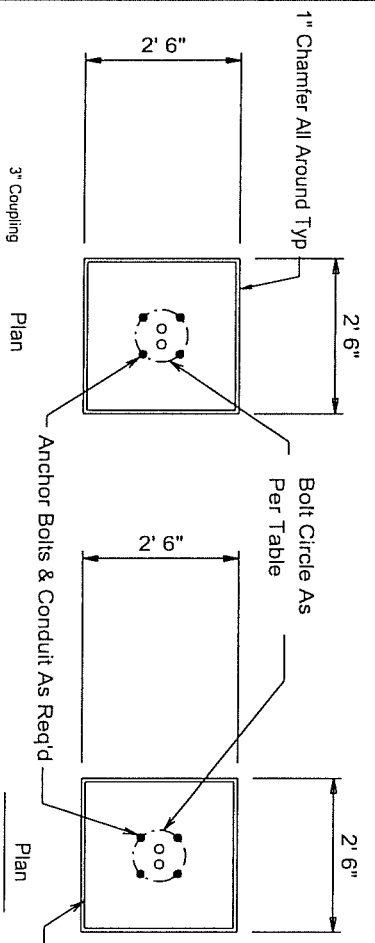
Section

Specifications

Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60

(631)369-4000 P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project: H 41820 A		Eisenhower Park	
Contractor:			
Product: Precast Concrete Light Pole Foundations			
scale	date	dwn. by	dwg. no.
As-Noted	10/14/93	G.S.E.	93-295A

F:\DC\BOX11993\93-295a.dcd



Control Cabinet Foundation
Item W-670.02

Pole Base Table		
Bolt Type	Conduit Depth	Quan
12"	1'-7"	38
15"	1'-7"	2
12"	4'-3"	4
13"	4'-3"	1
13"	4'-3"	2

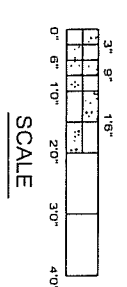
Specifications

Concrete- 4000 psi @ 28 Days

Rebar- ASTM A-615 Grade 60

Type B Pole Foundation
Item W-670.O1B

Type A Pole Foundation
Item W-670.O1A



COASTAL PIPELINE PRODUCTS CORP.
(631) 366-4000
P.O. Box 575, Tworrey Ave., Calverton NY 11933

Project:

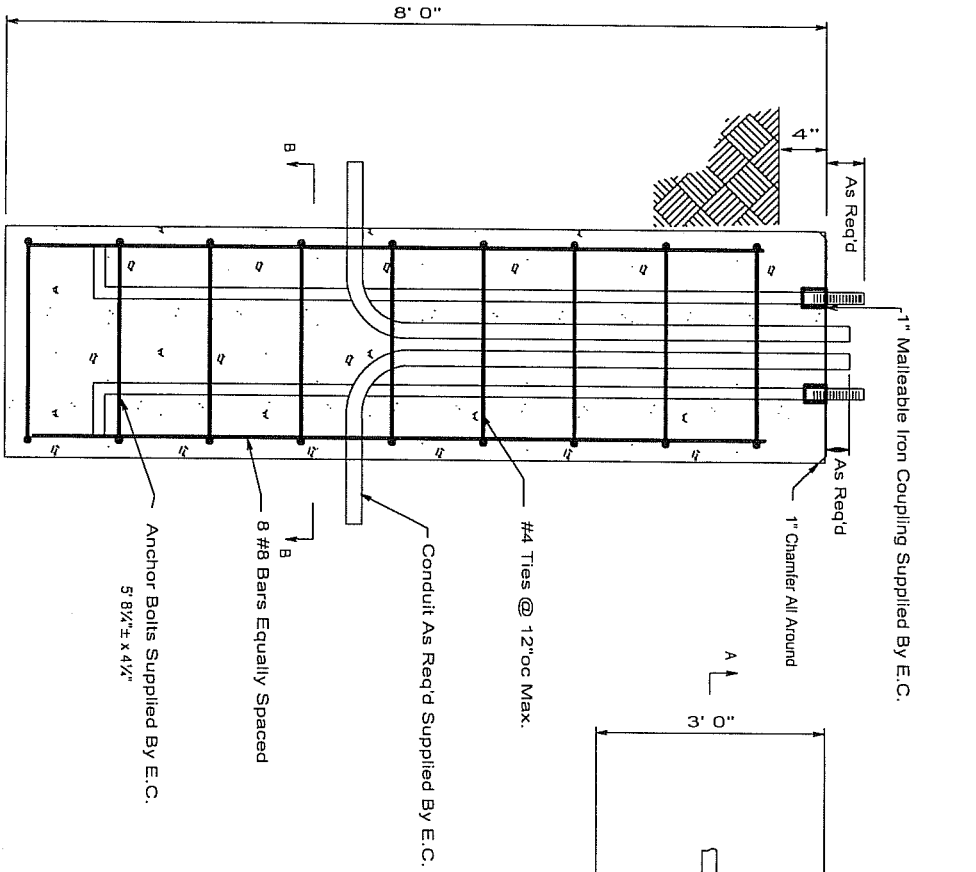
Contractor:

Product: Precast Light Pole Foundations & Control Cabinet Foundations

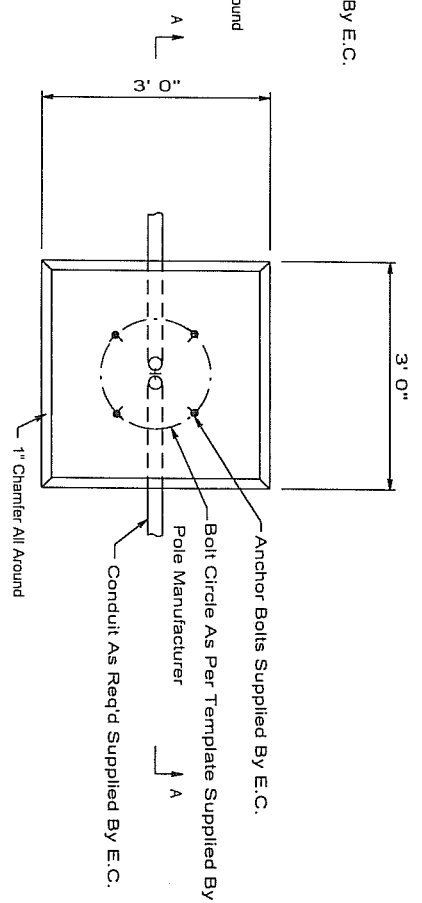
scales date dwn. by dwg. no.

As-Noted 10/8/93 G.S.E. 93-288A

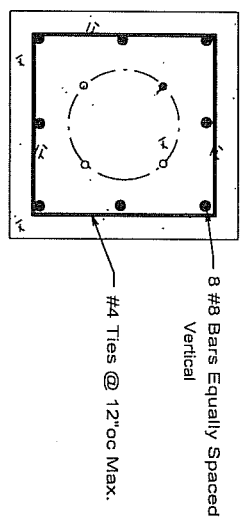
F:\DCB\011993\93-288a.dcd



Section A-A



Plan



Section B-B

Specifications

Concrete 4000 psi @ 28 Days
 Rebar ASTM A-615 Grade 60

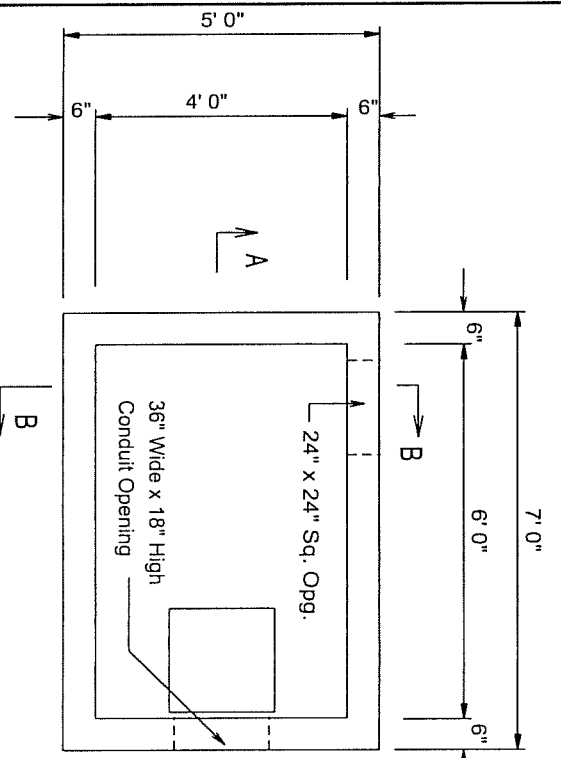
COASTAL PIPELINE PRODUCTS CORP.
 (631) 369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:

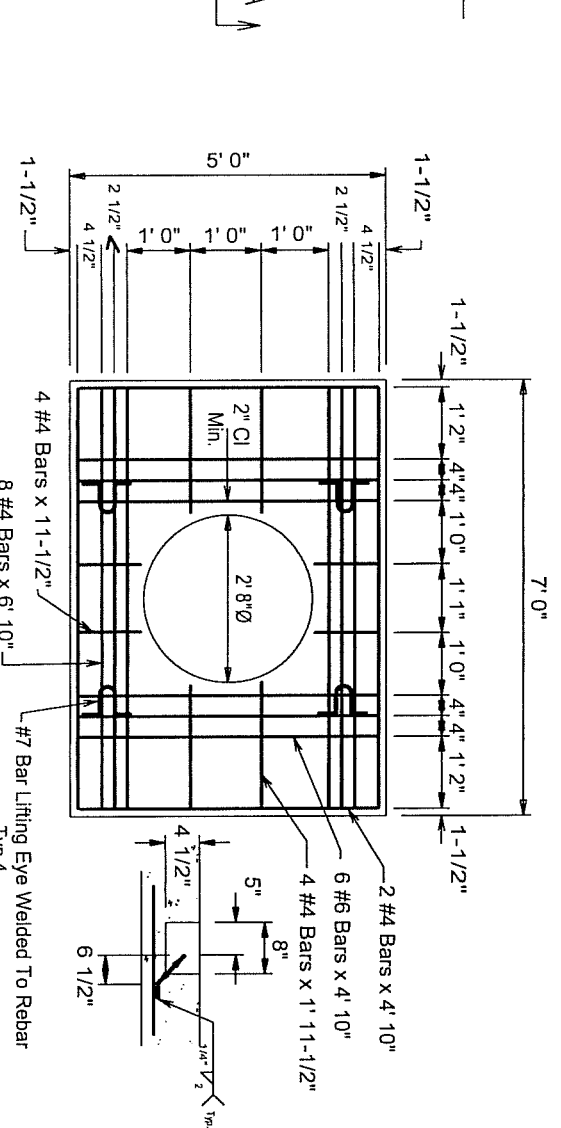
Contractor:

Product: Precast Concrete Floodlight Pole
Standard Foundation

scale	date	dwn. by	dwg. no.
None	8/19/93	G.S.E.	93-239A



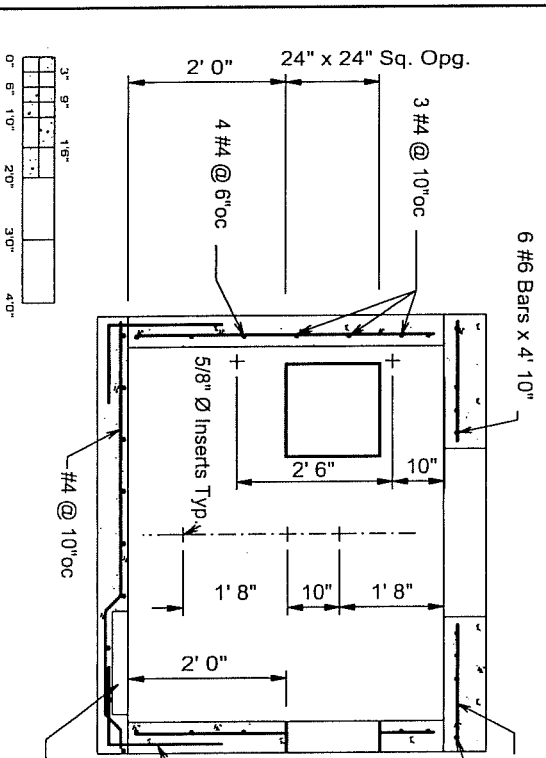
Plan



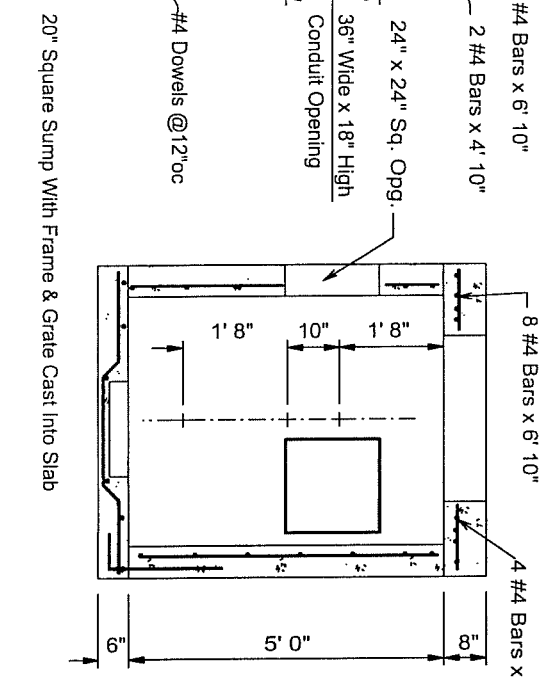
Top Slab

Specifications

- 1) Concrete 4000 psi @ 28 days
 - 2) Rebar ASTM A-615 Grade 60
 - 3) Minimum Clearance On Rebar = 1"
 - 4) This Type DB-6 Distribution Box Similar To Con-Edison Detail EO-133331
- Top Slab Reinforcement Is Equal

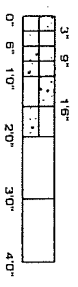


Section A-A



Section B-B

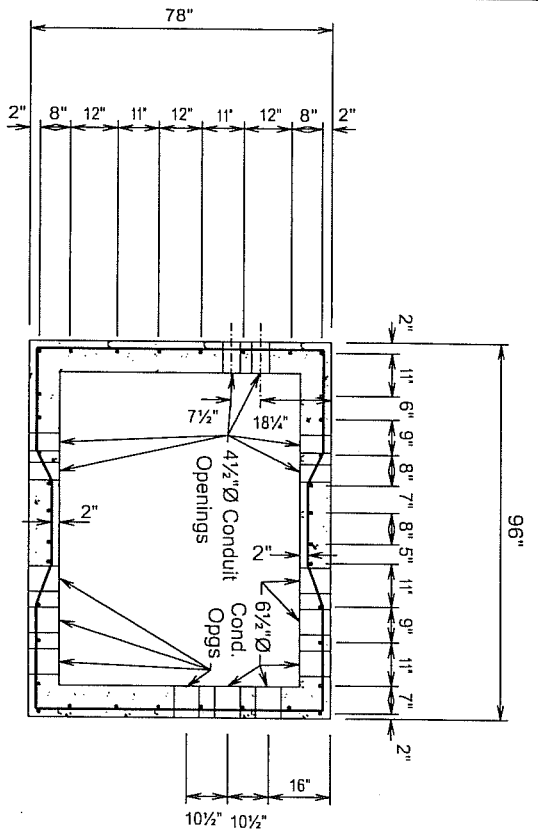
SCALE



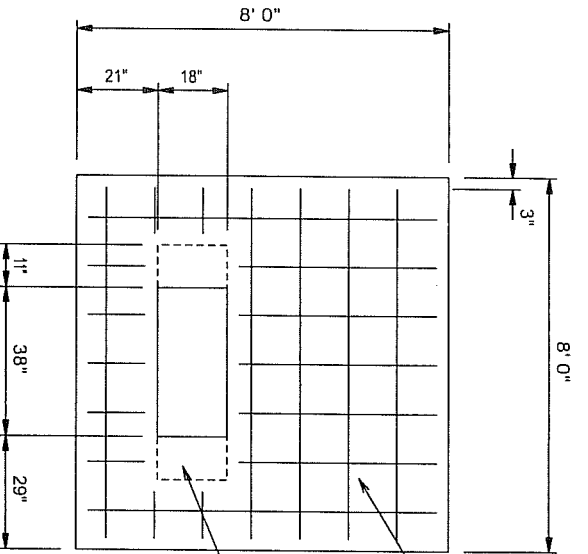
COASTAL PIPELINE
 (631)369-4000 PRODUCERS CORP.
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:
 Contractor:
 Product: Precast Concrete Distribution Box
 Type DB-6

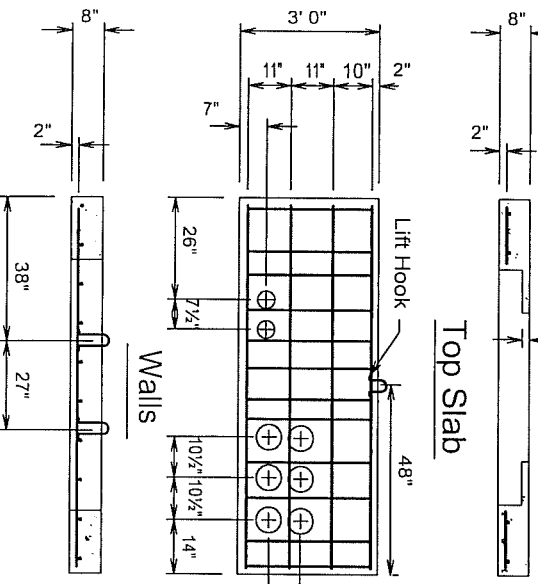
scale	date	dwn. by	dwg. no.
As-Noted	4/07/93	G.S.E.	93-089A



Wall Section



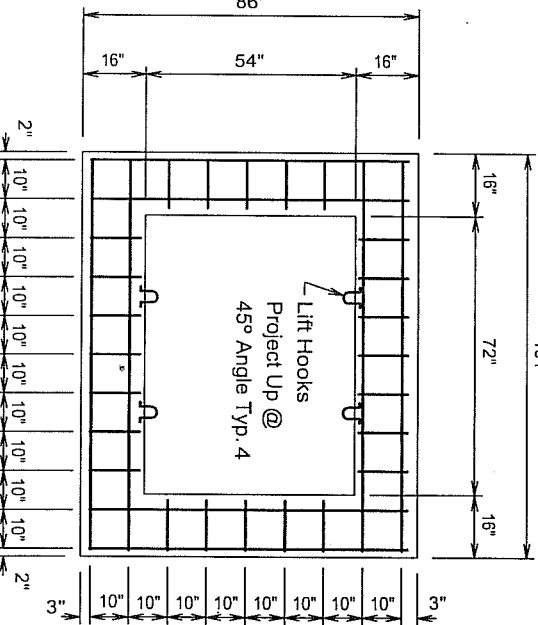
Top Slab



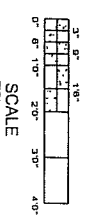
Top Slab

Walls

Footing



Footing



#5 @10"oc EW No Reinforcement In
2" Skin Knockout Area
2" Skin Knockout To Be
Removed For Larger Than
500 KVA Transformer.

Specifications

Concrete- 3000 psi @ 28 Days
Rebar- ASTM A-615 Grade 60
All Conduit Openings To Have Skin
Knockouts

COASTAL PIPELINE
PRODUCTS CORP.
(631)369-4000

P.O. Box 575, Twomey Ave., Calverton NY 11933

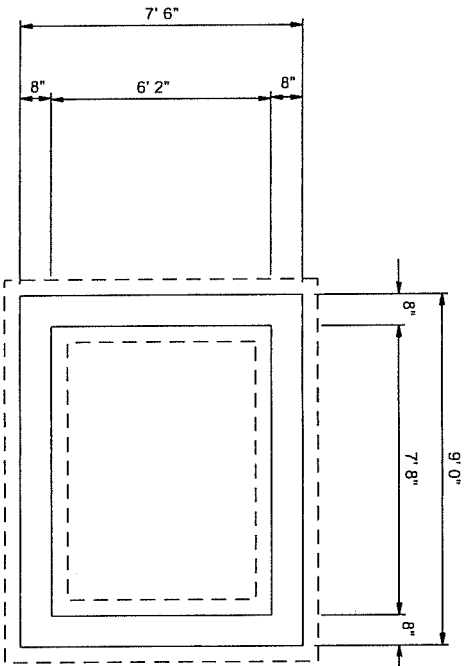
Project:

Contractor:

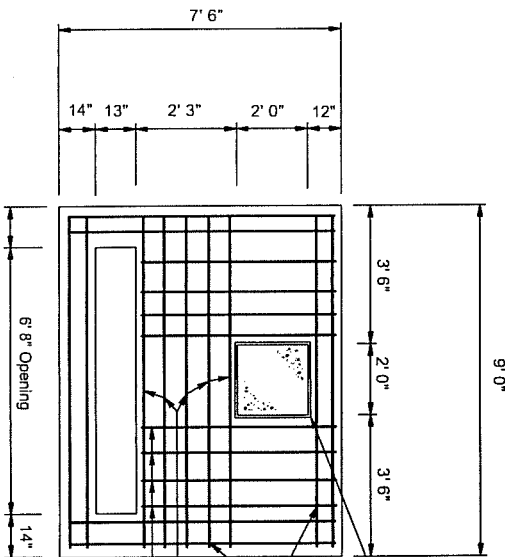
Product: Precast Concrete 8' x 8'
Transformer Pad

scale	date	dwn. by	dwg. no.
As-Noted	10/23/95	G.S.E.	TRAN-PAD

F:\DC\BOX\bx8rpad.dcd

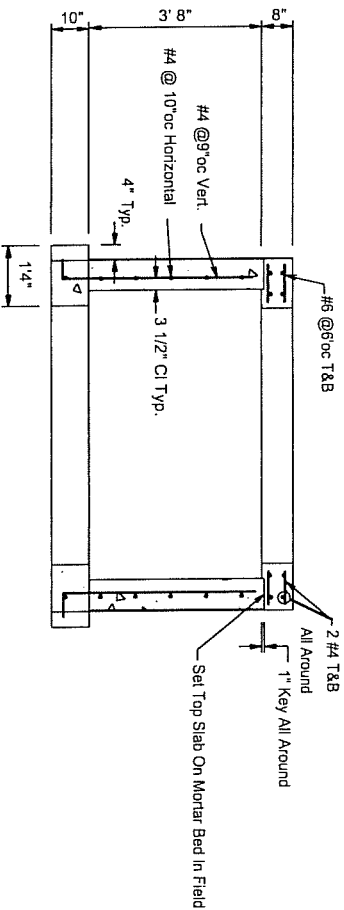


Plan

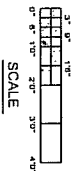


Top Slab

Note: Reinforcing To Have 2" Clearance From Openings



Section



SCALE

COASTAL PIPELINE PRODUCTS CORP.			
(631)369-4000 / P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project: Contract V101AC-0067 Calverton National Cemetary			
Contractor:			
Product: Precast Concrete Terminator Cabinet Pad			
scale	date	dwn. by	dwg. no.
As-Noted	3/26/93	G.S.E.	93-041D

See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.

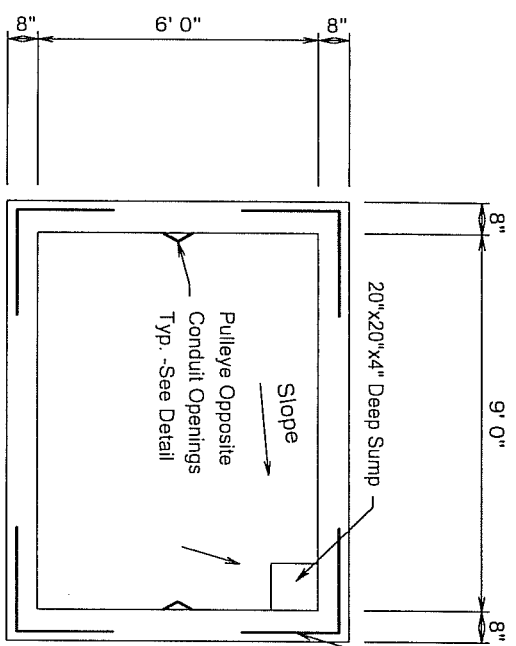
Use For Primary & Secondary Cable

Spec Section 16402 / 16321-3.21-B

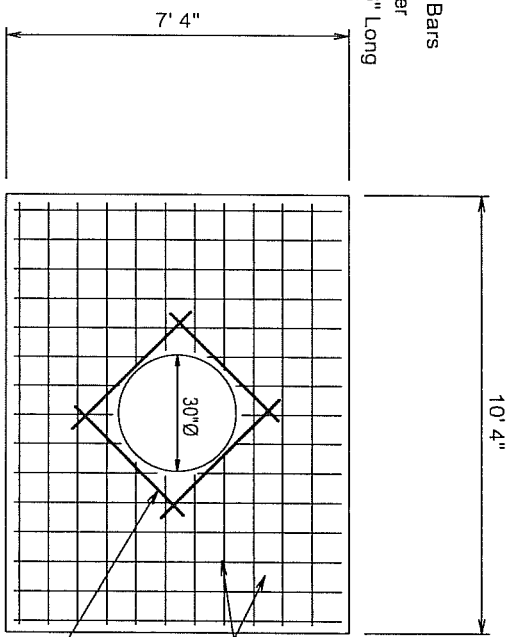
Spec Fed. Spec RR-F621D

Rebar ASTM A-615 Grade 60

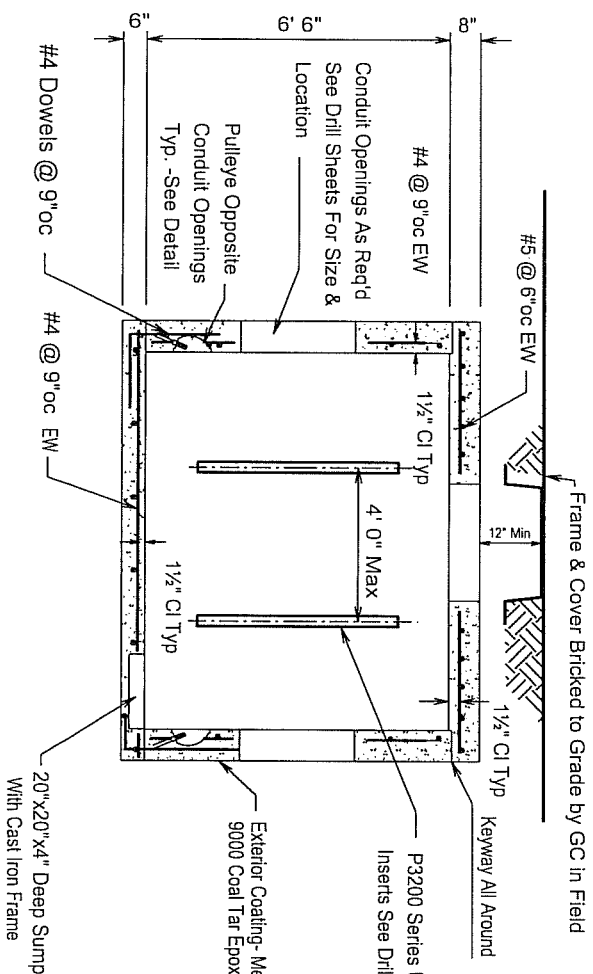
Concrete 3000 psi @ 28 Days



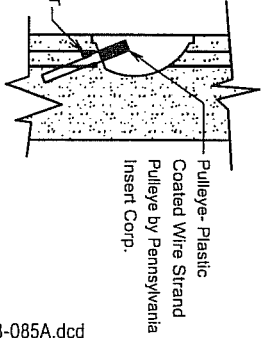
Plan



Top Slab



Section



Pulley Detail

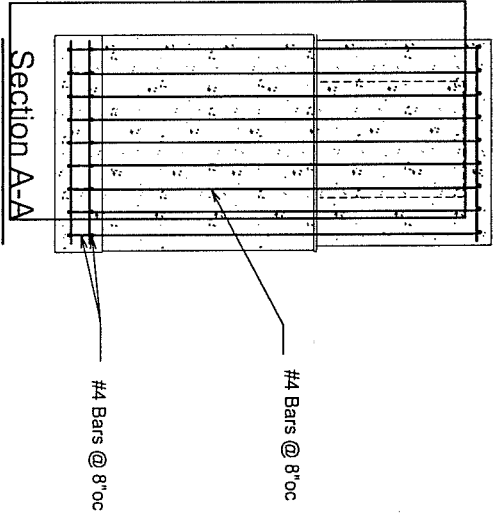
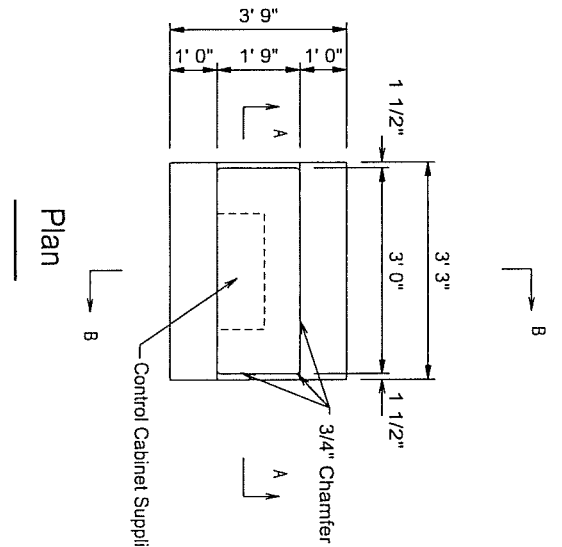
Specifications
 Concrete 4000psi @ 28 Days
 Rebar ASTM A-615 Grade 60
 Inserts Unistrut P3200 Series

COASTAL PIPELINE
 (631)369-4000 **PRODUCTS CORP.**
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: Botanical Gardens
 Contractor:

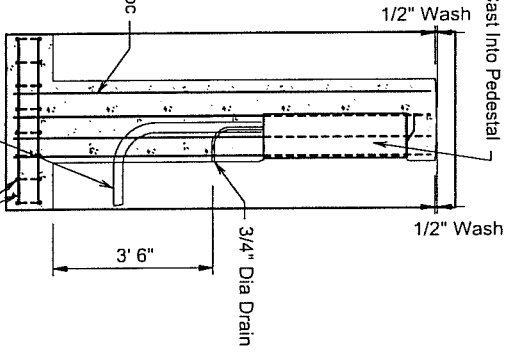
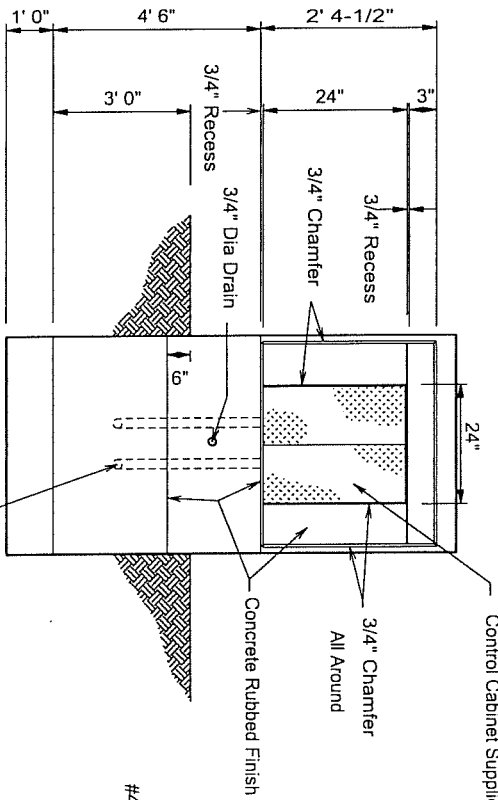
Product: Precast Concrete Electrical Manholes
 9'0" x 6'0" x 6'6" ID

scale	date	dwn. by	dwg. no.
None	9/4/03	G.S.E.	03-085A



Notes

Concrete 4000 psi @ 28 Days
 Rebar ASTM A-615 Grade 60

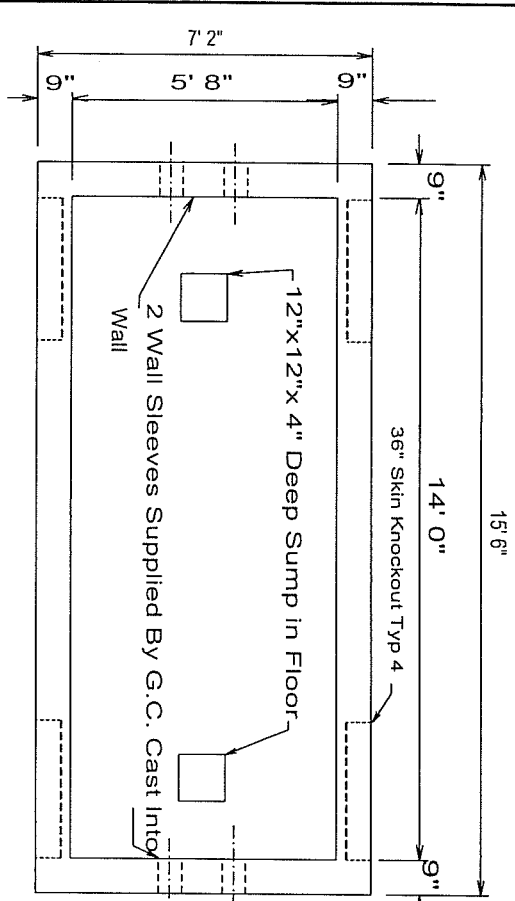


Elevation

Section B-B

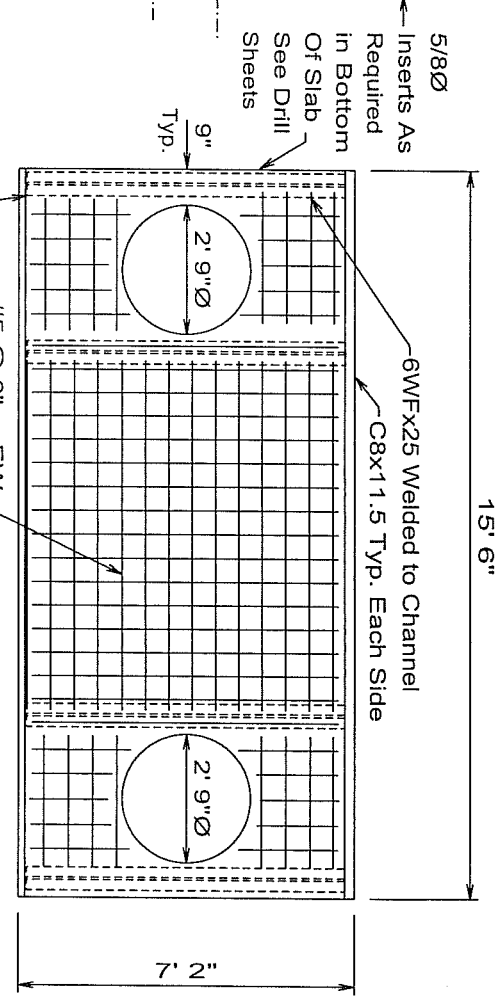
F:\DC\BOX\1993\93-169a.dcd

COASTAL PIPELINE PRODUCTS CORP.			
(631)369-4000			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project: Flushing Meadows- Corona Park			
Contractor:			
Product: Precast Concrete Pedestal For Control Cabinet			
scale	date	dw. by	dwg. no.
None	7/28/93	G.S.E.	93-169A



Plan

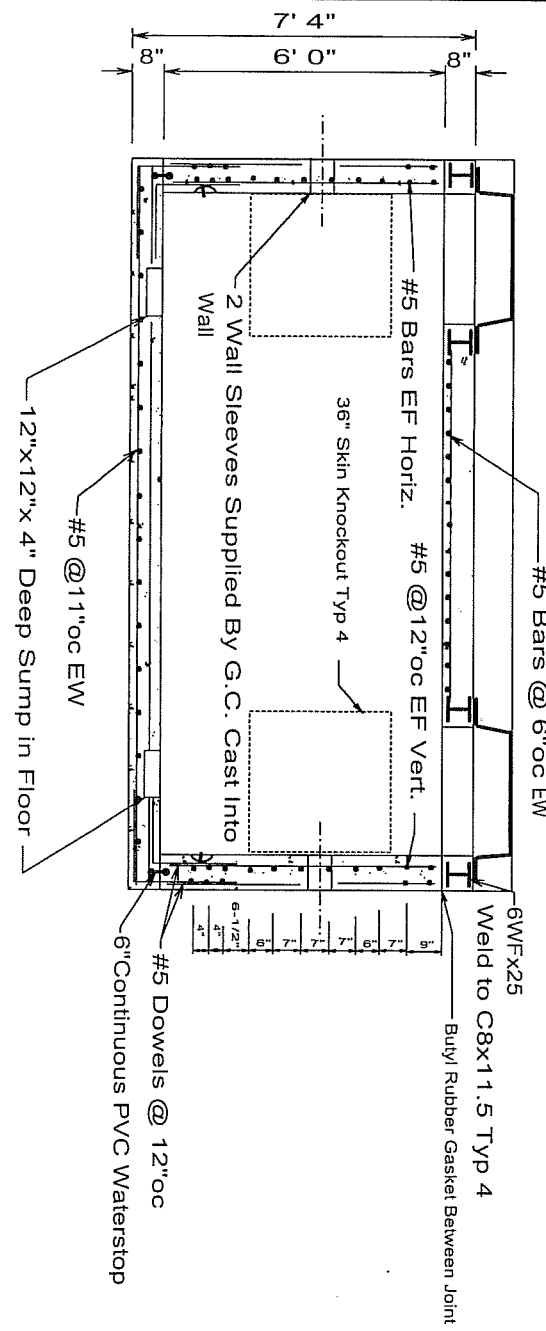
WWF Track Welded to 6WF



Top Slab

Specifications

- Concrete 4000 psi @ 28 Days
- Rebar ASTM A-615 Grade 60
- Steel ASTM A-36
- Top Slab AASHTO H-20 Loading
- Buy! Rubber Gasket Fed Spec. SS-S-00210



Section

F:\DC\BOX1993\93-054a.dcd

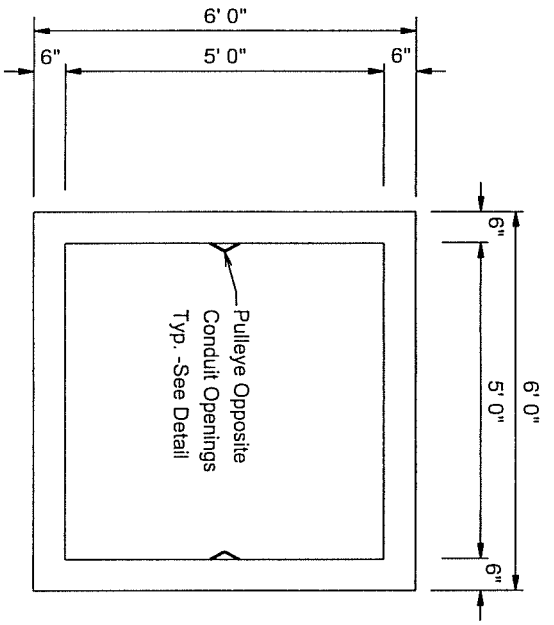
COASTAL PIPELINE
 (631)369-4000 PRODUCTS CORP.
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: Amagansett- Montauk 23 KV
 Underground Cable Installation

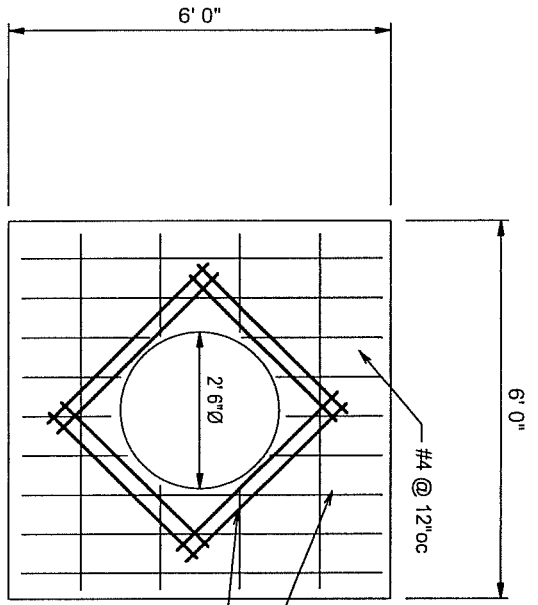
Contractor:

Product: Precast Concrete Cable Manhole

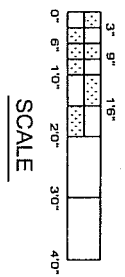
scale	date	dwn. by	dwg. no.
As Noted	3/12/93	G.S.E.	93-054A



Plan



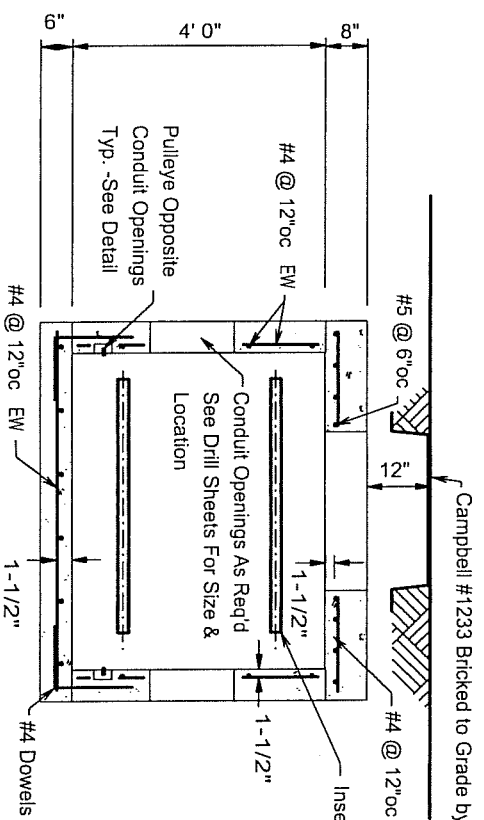
Top Slab



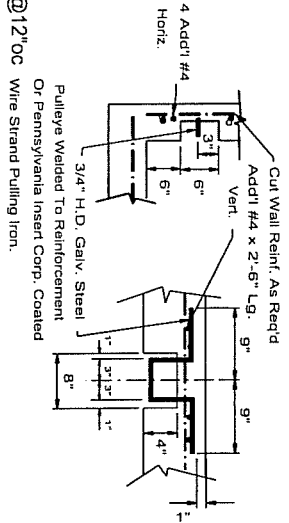
SCALE

Specifications

Concrete 4000psi @ 28 Days
 Rebar ASTM A-615 Grade 60
 Inserts Unistrut P3200 or Pennsylvania Insert Threaded
 Thermoplastic Inserts
 All Materials To Meet Or Exceed The Requirements Of
 Port Authority Of New York New Jersey
 Top Slab AASHTO H-20 Loading



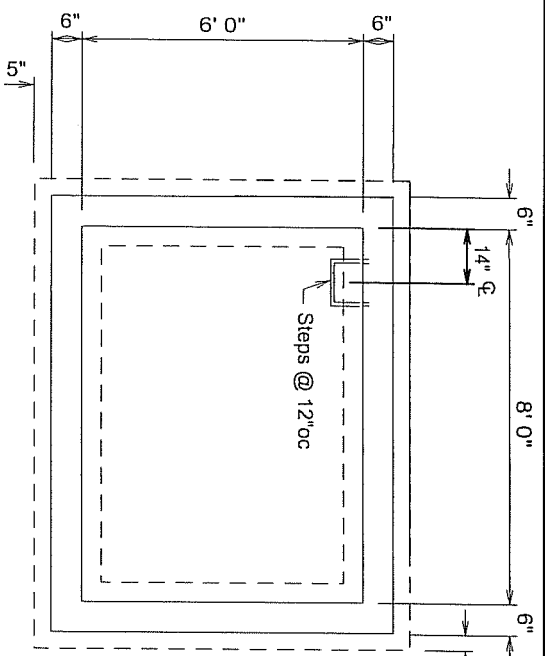
Section



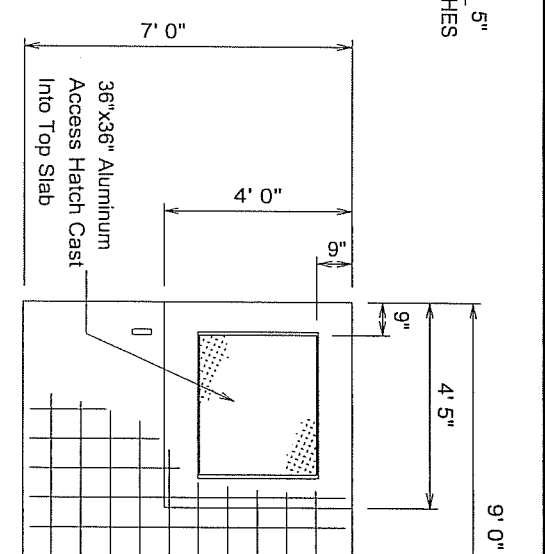
Pulley Detail

F:\DC\BOX1993193-110a.dcd

COASTAL PIPELINE (631)369-4000 PRODUCTS CORP. P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project: JFK Airport			
Contractor:			
Product: Precast Concrete Telephone Manholes			
scale	date	dwn. by	dwg. no.
As Noted	5/06/93	G.S.E.	93-110A



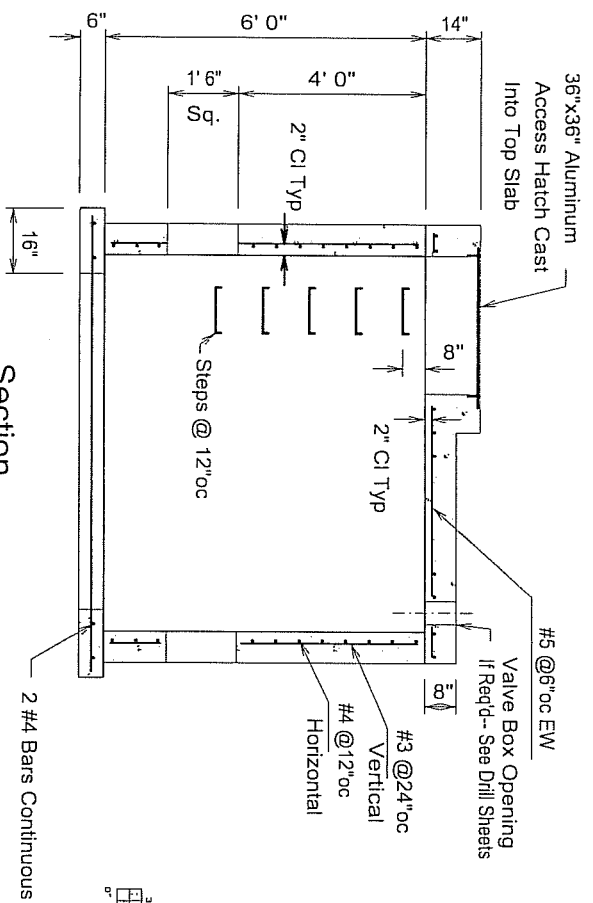
Plan



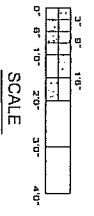
Top Slab

Specifications

Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60
 Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal
 See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.

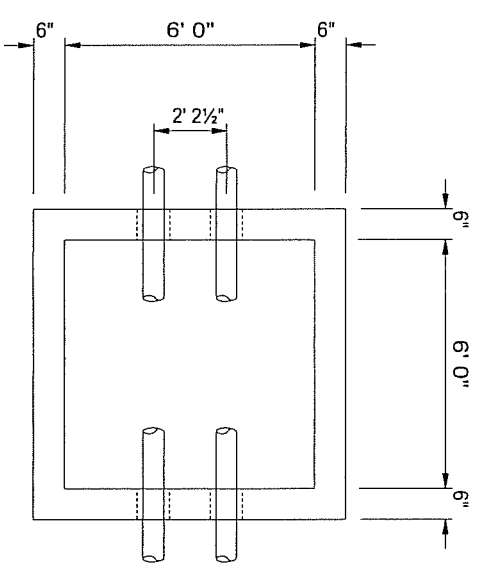


Section



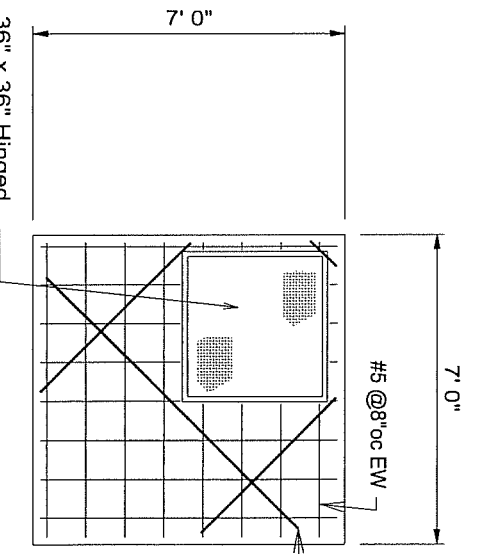
F:\DC\BOX12003\03-536B.dcd

<p>COASTAL PIPELINE (631)369-4000 PRODUCTS CORP. P.O. Box 575, Twomey Ave., Calverton NY 11933</p>			
<p>Project: Greentree Estates</p>			
<p>Contractor:</p>			
<p>Product: Precast Concrete Water Meter Pit</p>			
scale	For 12" Connection @ Community Drive	date	dwn. by
As-Noted	10/15/03	G.S.E.	03-536B



36" x 36" Hinged
Access Hatch Cast Into
Top Slab

Plan

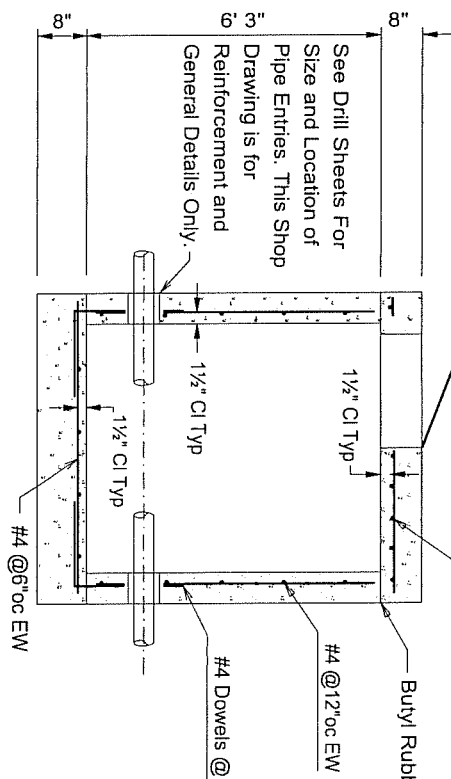


36" x 36" Hinged
Access Hatch Cast Into
Top Slab

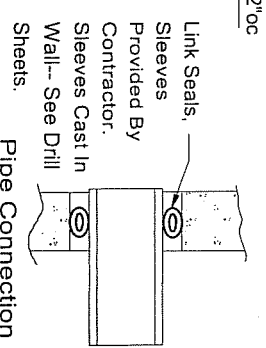
Top Slab

Specifications

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- Joint Seal- 1" Sq. or 1" Dia. Self Sealing
- Butyl Rubber Gasket Equal to Fed. Spec. SS-S-40210
- Ladder, Link Seals, Pipe, Fittings
- And Other Appurtenances Furnished
- And Installed By Contractor In Field.



Section

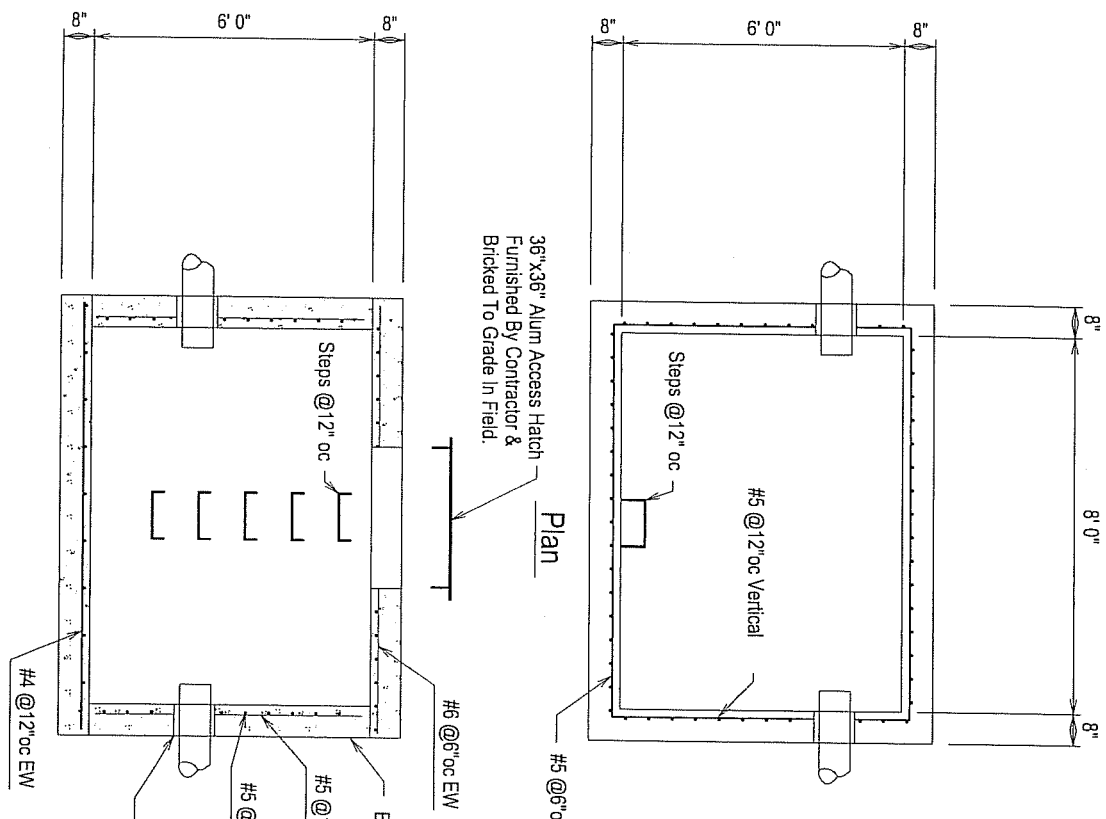


Pipe Connection Detail

See Drill Sheets For
Size and Location of
Pipe Entries. This Shop
Drawing is for
Reinforcement and
General Details Only.

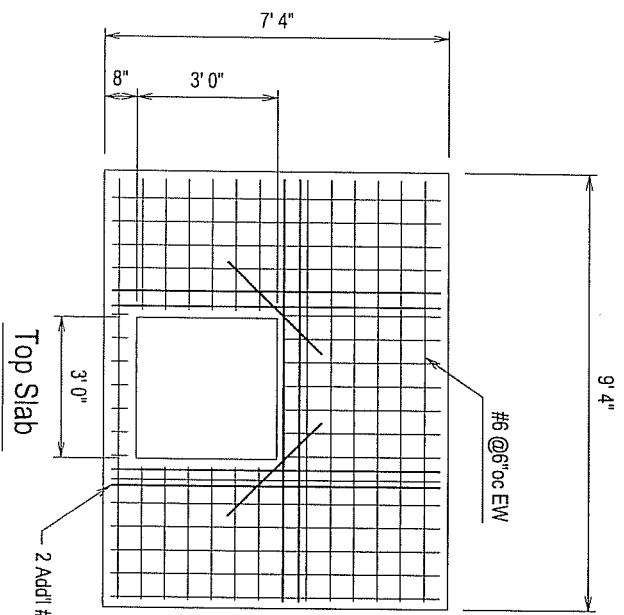
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COASTAL PIPELINE			
(631)369-4000		PRODUCTS CORP.	
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project: The Meadows			
Contractor:			
Product: Precast Concrete Valve Pit			
scale	date	dwn. by	dwg. no.
None	12/2/03	G.S.E.	03-626B



36" x 36" Alum Access Hatch
Furnished By Contractor &
Bricked To Grade In Field.

See Drill Sheets For Size & Location Of
Pipe Entries. This Shop Drawing Is For
Reinforcing & General Details Only.
Contractor To Grout In Field
Around Pipes.



Specifications

Concrete- 4000 psi @ 28 Days
Rebar- ASTM A-615 Grade 60
Steps- Copolymer Polypropylene With
1/2" Rebar By M.A. Industries or
Approved Equal.

F:\DC\BOX\2002\02-327A.dcd

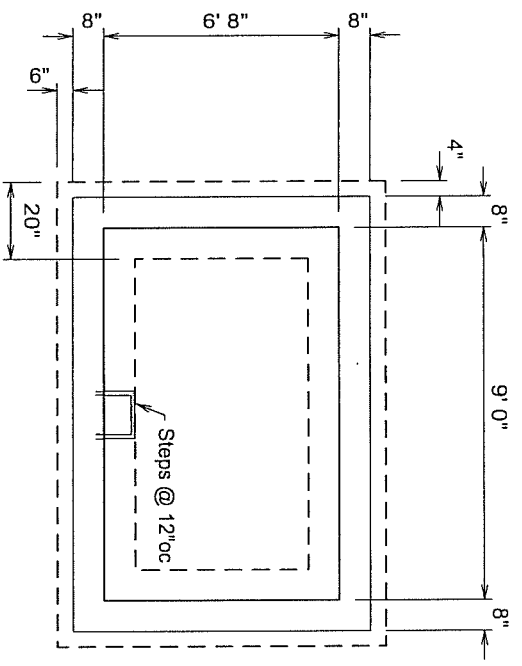
COASTAL PIPELINE
(631)369-4000 PRODUCTS CORP.
P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: Roslyn Middle School

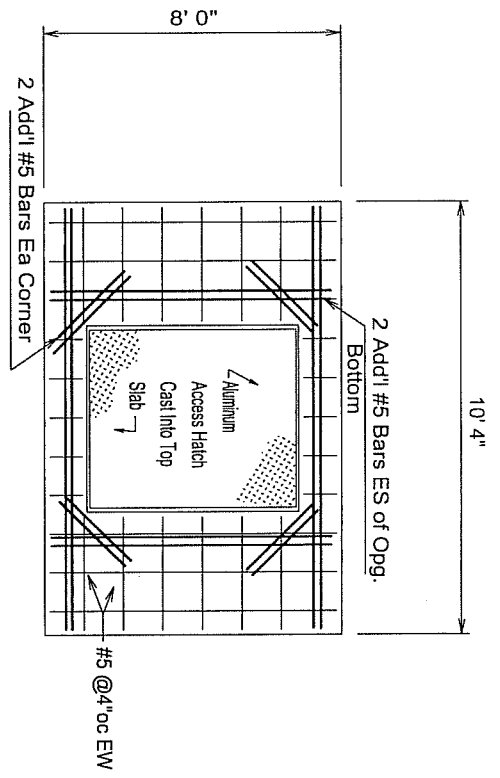
Contractor:

Product: Precast Concrete Double Check Valve Vault

scale	date	dwn. by	dwg. no.
As-Noted	6/19/02	G.S.E.	02-327A



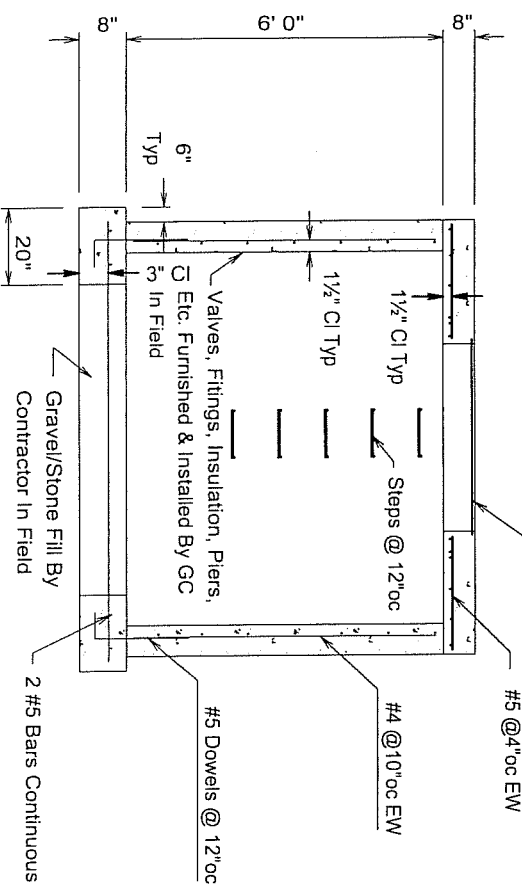
Plan



Top Slab

Specifications

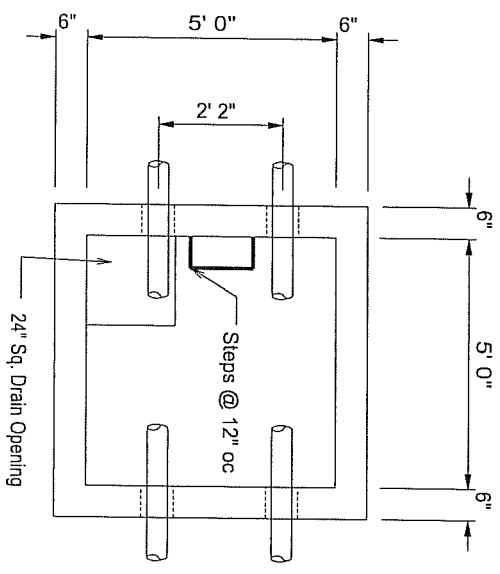
Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60
 Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal
 See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.



Section

F:\DC\BOX12001\01-043a.dcd

COASTAL PIPELINE			
(631)369-4000 PRODUCTS CORP.			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project: Sports Club Syosset NY			
Contractor: Bancker Construction Corp.			
Product: Precast Concrete RPZ Pit			
scale	date	dwn. by	dwg. no.
None	2/16/01	G.S.E.	01-043A



36" x 48" Hinged
Access Hatch Cast Into
Top Slab

Plan

#4 @12"oc EW
Top & Bottom

36" x 48" Hinged
Access Hatch Cast Into
Top Slab

Top Slab

#4 @12"oc EW
Top & Bottom

Add #4 Bar ES of Opg.

Specifications

Concrete- 4000 psi @ 28 Days
Rebar- ASTM A-615 Grade 60

Joint Seal- 1" Sq. or 1" Dia. Self Sealing
Butyl Rubber Gasket Equal to Fed. Spec.
SS-S-00210

Steps-- Copolymer Polypropylene With 1/2"
Rebar By M.A. Industries or Approved
Equal

All Pipe, Pipe Fittings
And Other Appurtenances Furnished
And Installed By Contractor In Field.

COSTAL PIPELINE
PRODUCTS CORP.
(631)369-4000
P.O. Box 575, Twomey Ave., Calverton NY 11933

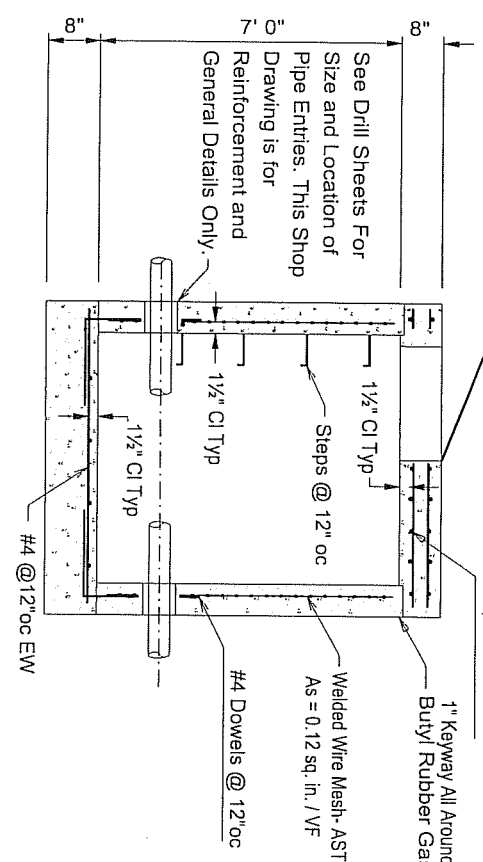
Project: Cross Road, Miller Place

Contractor:

Product: Precast Concrete Valve Chamber

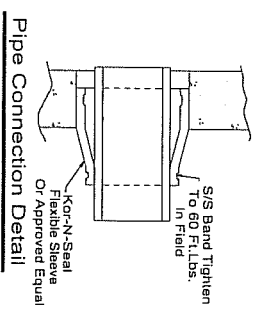
scale	date	dwn. by	dwg. no.
None	2/13/04	G.S.E.	04-076B

F:\DC\BOX\2004\04-076B.dcd

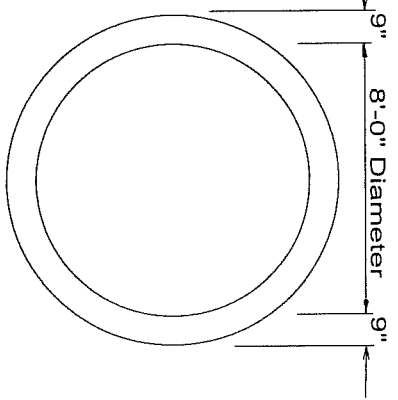


Section

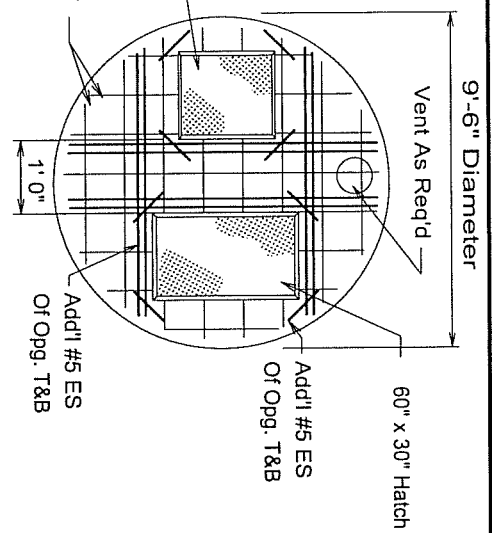
See Drill Sheets For
Size and Location of
Pipe Entries. This Shop
Drawing is for
Reinforcement and
General Details Only.



Pipe Connection Detail



30" x 36" Hinged Access Hatch Supplied
By G.C. Cast Into Top Slab



30" x 36" Hinged Access Hatch Supplied
By G.C. Cast Into Top Slab

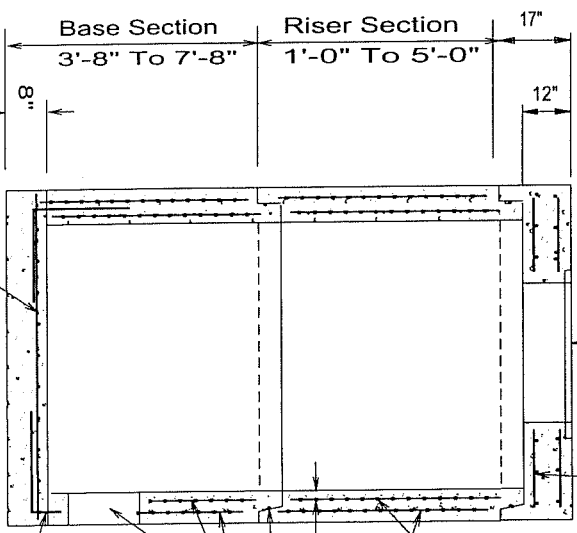
Add'l #5 ES Of Opg. T&B

Specifications

Concrete- 4000 psi @ 28 Days
Rebar- ASTM A-615 Grade 60
Fs = 60,000 psi
Welded Wire Mesh- ASTM A185
Fs = 65,000 psi
Design Load- AASHTO HS20 Loading

Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes
Joint Seal- 1" Sq or 1" Dia Self Sealing Butyl Rubber Gasket Equal To Fed Spec SS-S-00210.

See Drill Sheets For Size & Location Of Pipe Entries. This Shop Drawing Is For Reinforcing & General Details Only.



Section

#6 @ 12" OC EW

Note: Provide Pipe Opening For Blico Door Frame Drain

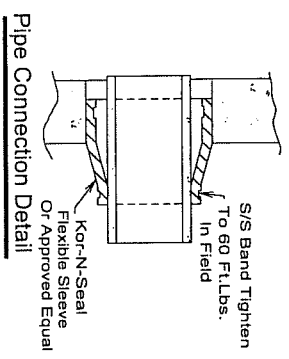
ASTM C-478 Welded Wire Mesh As = .24 sq in/lf Each Face

2" CI.

Butyl Rubber Joint Seal Typ All Joints
ASTM C-478 Welded Wire Mesh As = .24 sq in/lf Each Face

See Pipe Connection Detail See Drill Sheets For Pipe Hole Locations

#6 Dowels x 4'-5" @ 12" OC Rad.



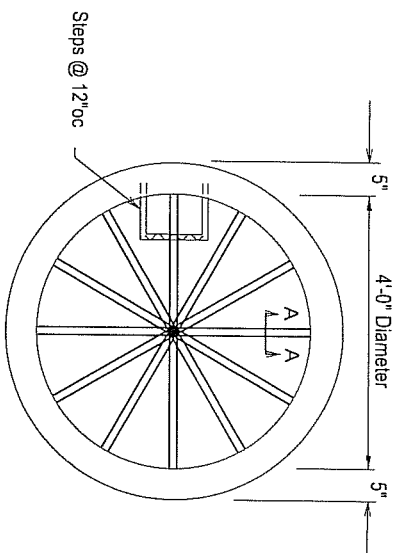
Pipe Connection Detail See Note A

NOTE A

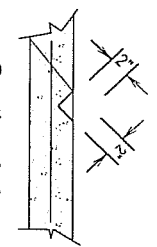
Boot Can Be Used For Radial Connection Only. For Pipes Not Entering Radially G.C. To Provide Watertight Connection In Field.

F:\DC\MH104-076A.dcd

(631)369-4000 P.O. Box 575, Twomey Ave., Calverton NY 11933		PRODUCTS CORP.	
Project: Cross Road, Miller Place			
Contractor:			
Product: 96" Dia Precast Concrete Manhole For Wet Well			
scale	date	dwn. by	dwg. no.
None	2/13/04	G.S.E.	04-076A

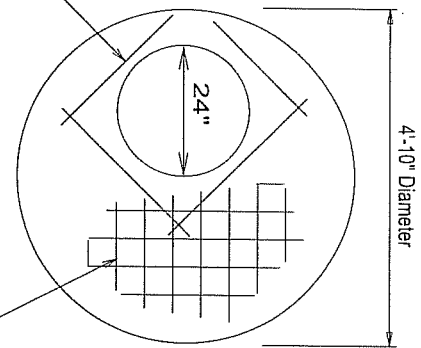


Plan

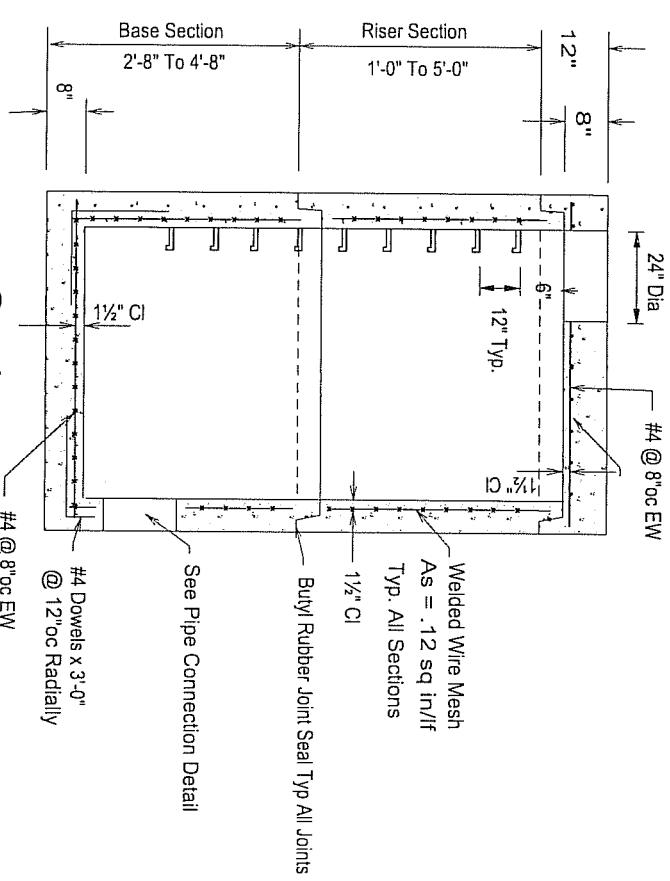


Section A-A Scoring Detail

Add'l #4 Around Opg. w/ 2" Min. Overlap



Top Slab



Section

Welded Wire Mesh
As = .12 sq in/ft
Typ. All Sections

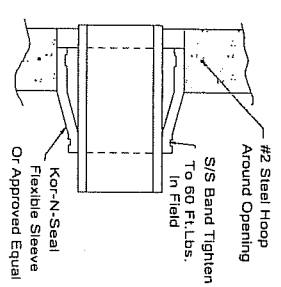
1 1/2" CI

Buy'l Rubber Joint Seal Typ All Joints

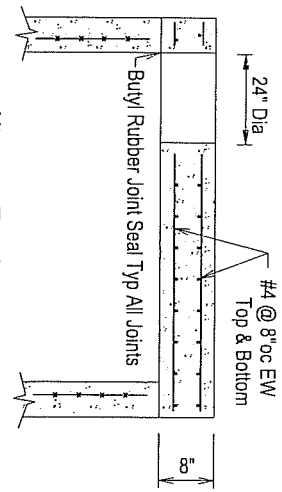
See Pipe Connection Detail

#4 Dowels x 3'-0"
@ 12" oc Radially

#4 @ 8" oc EW



Pipe Connection Detail



Alternate Top Slab
N.T.S.

Specifications

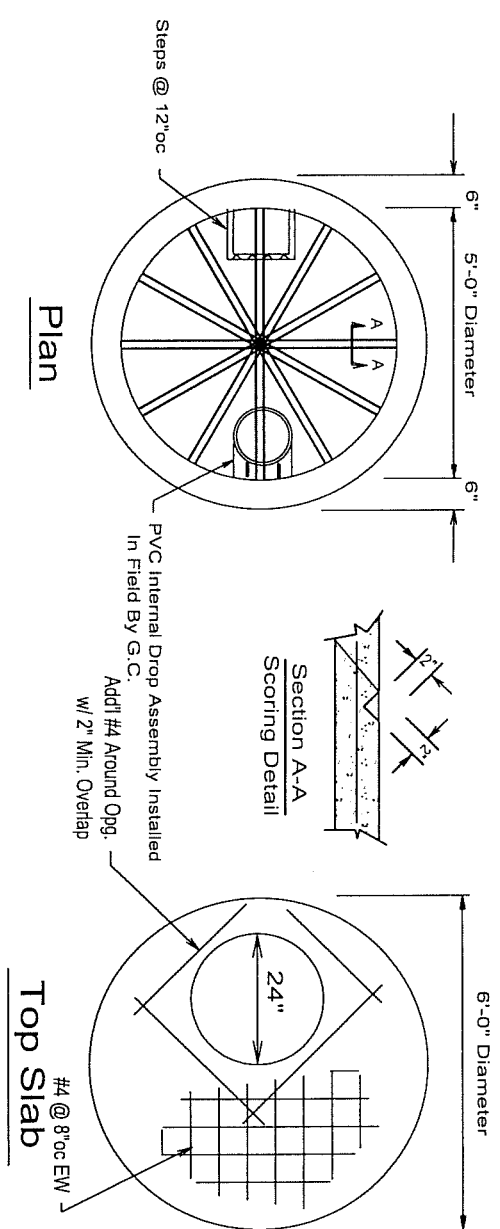
- Concrete - 4000 psi @ 28 Days
- Rebar - ASTM A-615 Grade 60
Fs = 60,000 psi
- Welded Wire Mesh - ASTM A185
Fs = 65,000 psi
- Design Load - AASHTO HS20 Loading
- Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes
- Joint Seal - 1" Sq or 1" Dia Self Sealing Butyl Rubber Gasket Equal To Fed Spec SS-S-00210.
- Steps - Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal.

See Drill Sheets For Size & Location Of Pipe Entries. This Shop Drawing Is For Reinforcing & General Details Only.

Delivered Manholes To Be Certified To Meet Requirements Of SCDPW Specifications.

F:\DCMH\Sc-4.dcd

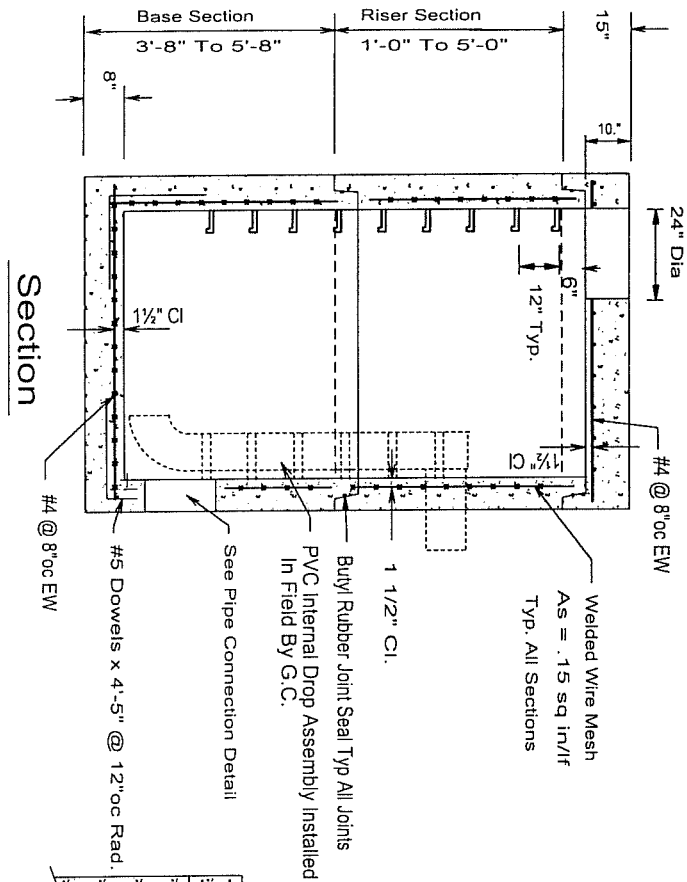
COASTAL PIPELINE			
(631)359-4000 PRODUCTS CORP.			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: 48" Dia Precast Concrete Manhole			
Suffolk Co. D.P.W Sanitary Manhole			
scale	date	dwn. by	dwg. no.
None	3/14/03	G.S.E.	SC-4



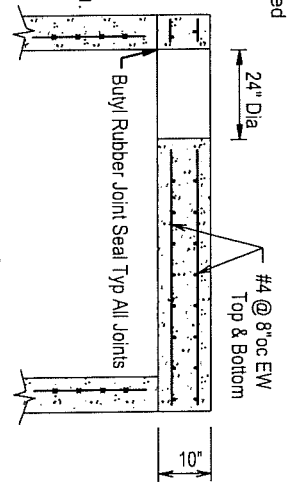
Specifications

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
Fs = 60,000 psi
- Welded Wire Mesh- ASTM A185
Fs = 65,000 psi
- Design Load- AASHTO HS20 Loading
- Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes
- Joint Seal- 1" Sq or 1" Dia Self Sealing Butyl Rubber Gasket Equal To Fed Spec SS-S-00210.
- Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal.

See Drill Sheets For Size & Location Of Pipe Entries. This Shop Drawing Is For Reinforcing & General Details Only.
Delivered Manholes To Be Certified To Meet Requirements Of SCDDPW Specifications.

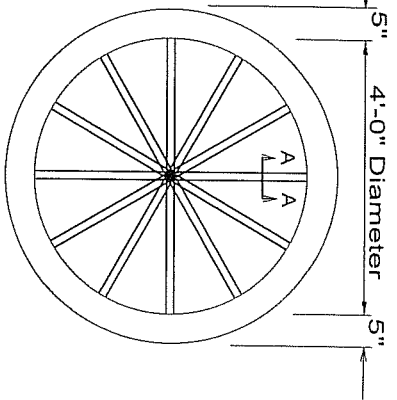


Pipe Connection Detail

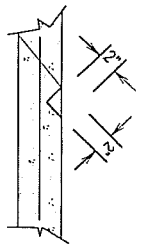


F:\DCM\HISc-5.dcd

COASTAL PIPELINE PRODUCTS CORP.			
(631)369-4000 P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: 60" Dia Precast Concrete Manhole S.C.D.P.W. Internal Drop Sanitary			
scale	date	dwn. by	dwg. no.
None	3/14/03	G.S.E.	SC-5DR

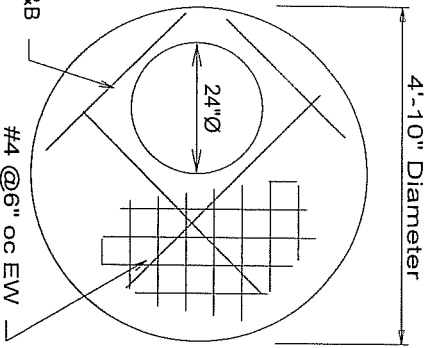


Plan

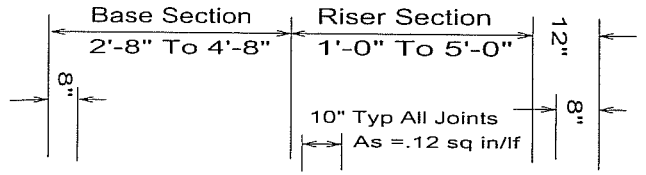


Section A-A
Scoring Detail

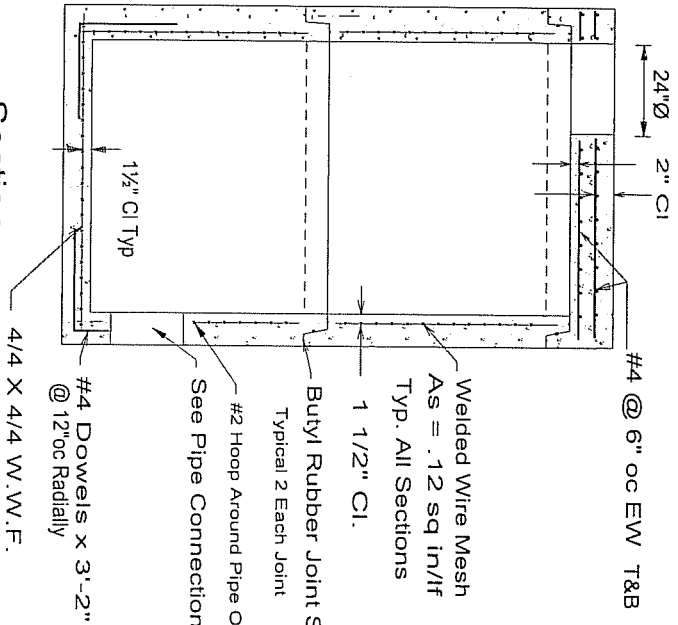
Add #6 ES Of Opg T&B



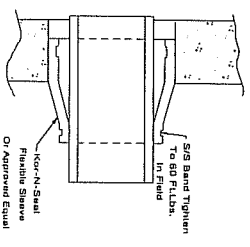
Top Slab



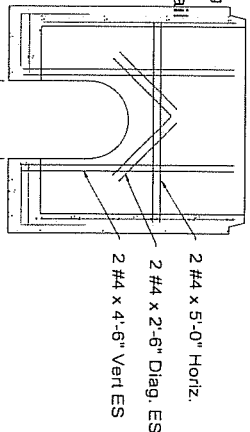
Section



#4 @ 6" oc EW T&B
Welded Wire Mesh
As = .12 sq in/lf
Typ. All Sections
1 1/2" CI.
Butyl Rubber Joint Seal Typ All Joints
Typical 2 Each Joint
#2 Hoop Around Pipe Opening
See Pipe Connection Detail
#4 Dowels x 3'-2"
@ 12" oc Radially
4/4 X 4/4 W.W.F.



Pipe Connection Detail



Doghouse Detail For Existing Pipe

SPECIFICATIONS

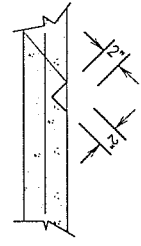
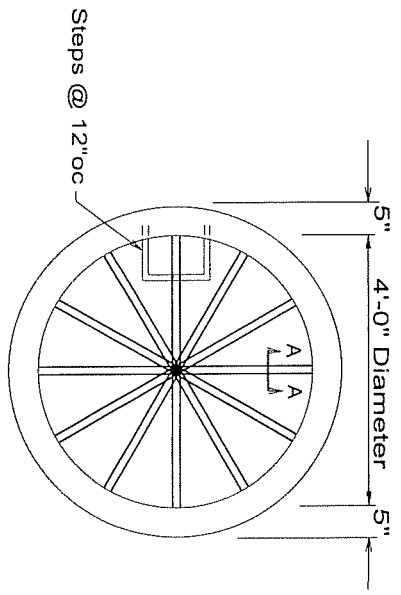
- Concrete Mix Design (5000 P.S.I.)
Cement - 752 #/cy
Sand - 1130 #/cy
3/4" Agg. 1700 #/cy
Water - 354#/cy (w/c = 0.47)
Min. acceptable 28 day strength = 4000 P.S.I.
- Rebars = $f_s = 60000$ P.S.I. Yield A.S.T.M. A-615
Mesh = $f_s = 65000$ P.S.I. Yield A.S.T.M. A-185
- Loading = A.A.S.H.T.O. H-20 Load
- See Drill Sheets For Size & Location of Pipe Entries. This Drawing For Reinforcement And General Details Only.
- Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes.
- Joint Seal - Self-sealing Butyl Rubber Gasket
Conforming to FED. Spec SS-S-00210.

F:\DCIM\H\Nc-4.dcd

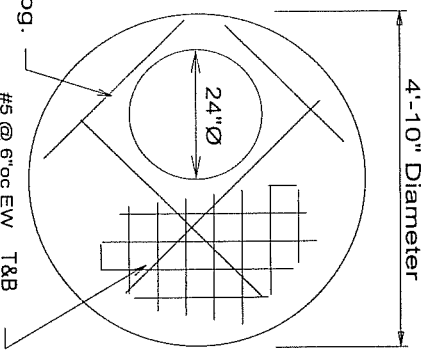
COASTAL PIPELINE
(631)369-4000 PRODUCTS CORP.
P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____
Contractor: _____
Product: 48" Dia Precast Concrete Manhole
Nassau Co. DPW Manhole

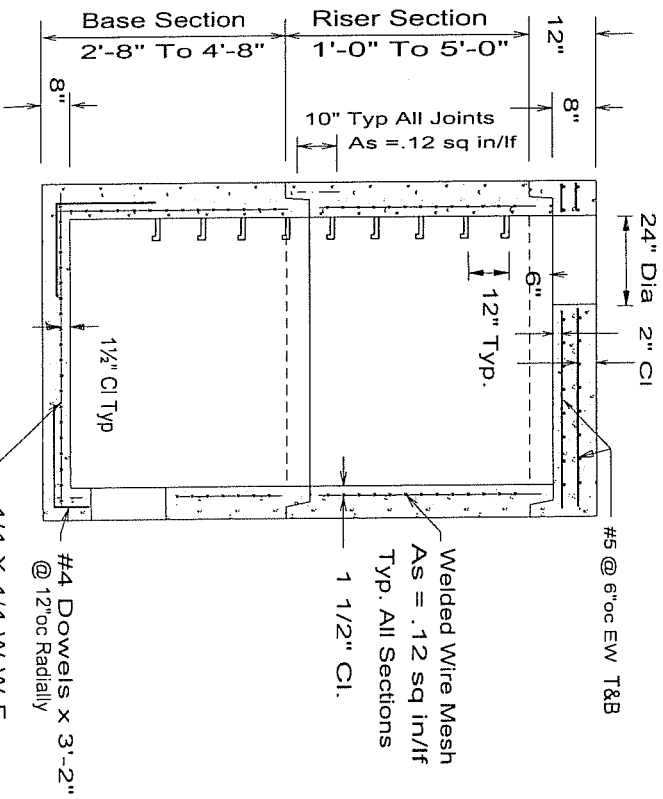
scale	date	dwn. by	dwg. no.
None	4/26/04	G.S.E.	NC4SA



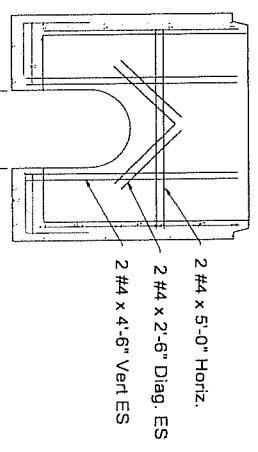
Add #1 #6 ES of Opg.



Top Slab



Section



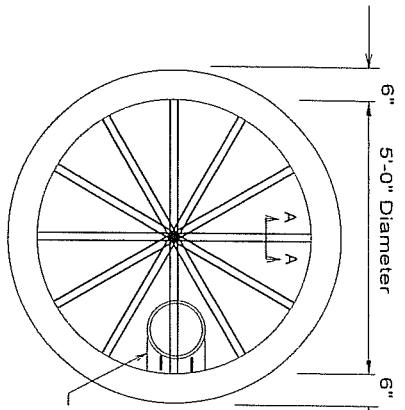
Doghouse Detail For Existing Pipe

SPECIFICATIONS

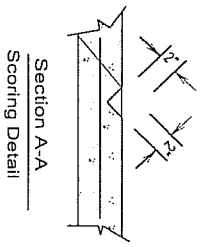
1. Concrete Mix Design (5000 P.S.I.)
Cement - 752 #/cy
Sand - 1130 #/cy
3/4" Agg. 1700 #/cy
Water - 354#/cy (w/c = 0.47)
Min. acceptable 28 day strength = 4000 P.S.I.
2. Rebars = fs = 60000 P.S.I. Yield A.S.T.M. A-615
Mesh = fs = 65000 P.S.I. Yield A.S.T.M. A-185
3. Loading = A.A.S.H.T.O. H-20 Load
4. See Drill Sheets For Size & Location of Pipe Entries. This Drawing For Reinforcement And General Details Only.
5. Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes.
7. Steps - Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal

F:\DCW\HNC-4.dcd

COASTAL PIPELINE			
(631)369-4000 PRODUCTS CORP.			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: 48" Dia Precast Concrete Manhole			
Nassau Co. DPW Manhole			
scale	date	dwgn. by	dwg. no.
None	4/26/04	G.S.E.	NCAST

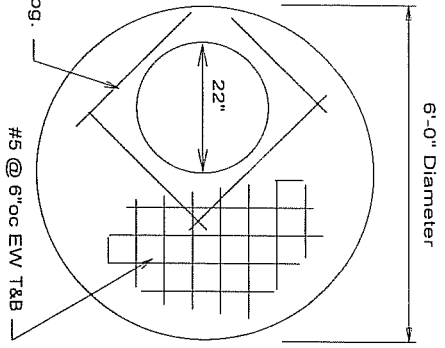


Plan

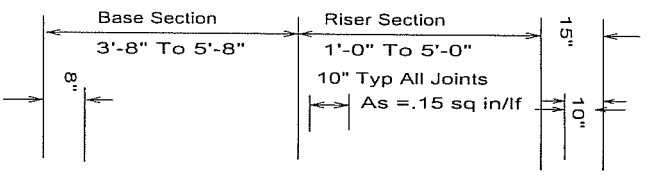


Section A-A
Scoring Detail

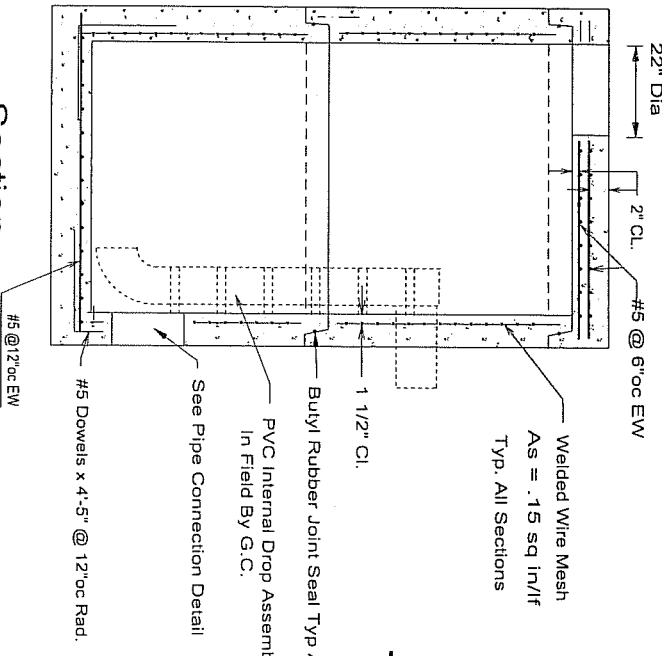
Add 1 #5 ES of Opq.
T&B



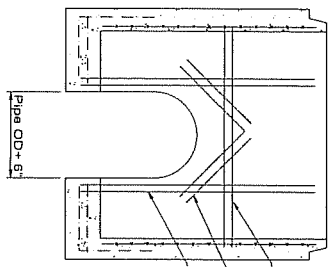
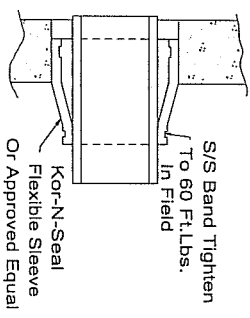
Top Slab



Section



Pipe Connection Detail



Doghouse Detail For Existing Pipe

SPECIFICATIONS

- Concrete Mix Design (5000 P.S.I.)
Cement - 752 #/cy
Sand - 1130 #/cy
3/4" Agg. 1700 #/cy
Water - 354#/cy (w/c = 0.47)
Min. acceptable 28 day strength = 4000 P.S.I.
- Rebars = $f_s = 60000$ P.S.I. Yield A.S.T.M. A-615
Mesh = $f_s = 65000$ P.S.I. Yield A.S.T.M. A-185
- Loading = A.A.S.H.T.O. H-20 Load
- See Drill Sheets For Size & Location of Pipe Entries. This Drawing For Reinforcement And General Details Only.
- Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes.

7. Joint Seal- Self-sealing Butyl Rubber Gasket

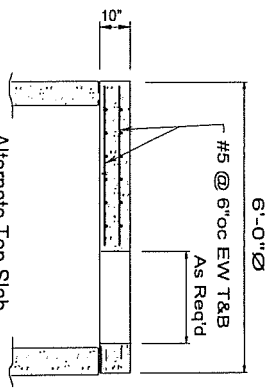
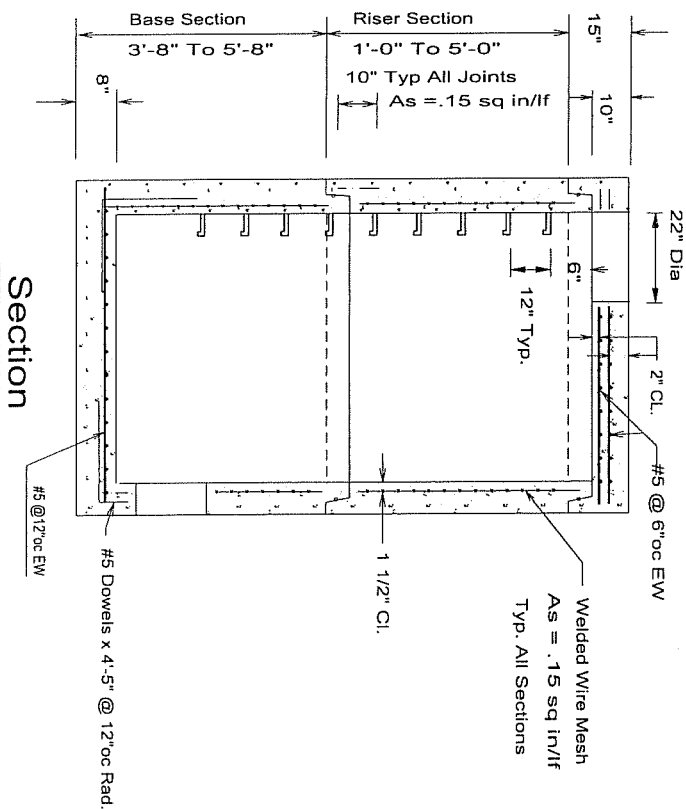
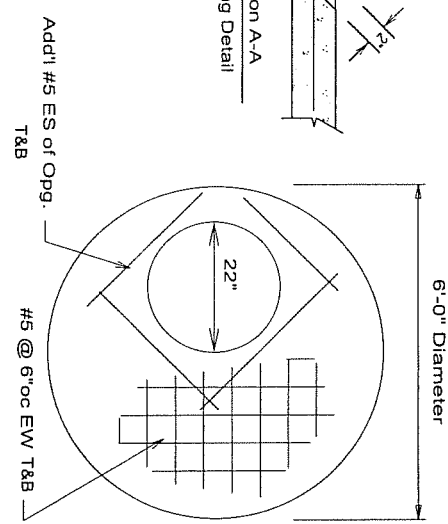
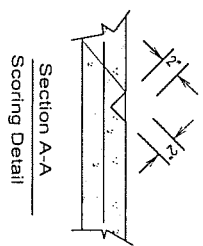
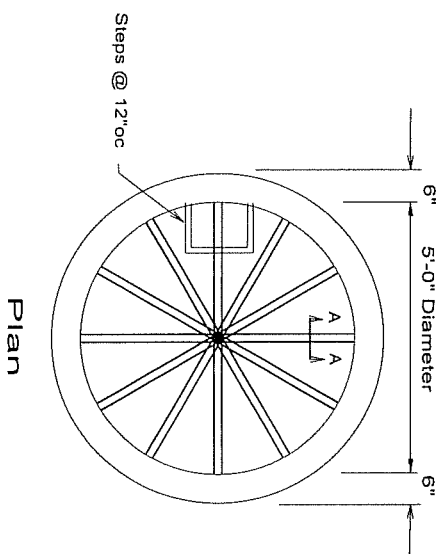
Conforming to FED. Spec SS-S-00210.

F:\DCM\HWc-5.dcd

COASTAL PIPELINE			
(631)369-4000 PRODUCTS CORP.			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: 60" Dia Precast Concrete Manhole			
N.C.D.P.W. Internal Drop Sanitary			
scale	date	dwgn. by	dwg. no.
None	4/26/04	G.S.E.	NC5DR

SPECIFICATIONS

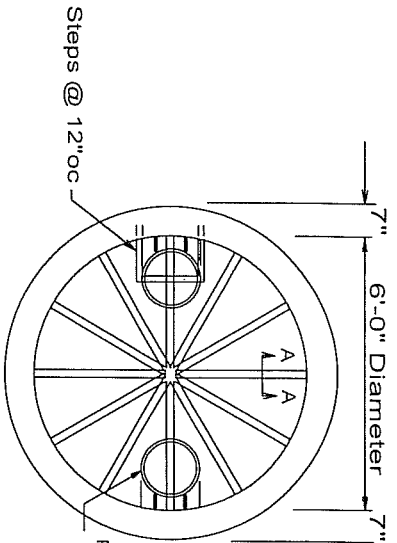
- Concrete Mix Design (5000 P.S.I.)
Cement - 752 #/cy
Sand - 1130 #/cy
3/4" Agg-1700 #/cy
Water- 354#/cy (w/c = 0.47)
Min. acceptable 28 day strength = 4000 P.S.I.
- Rebars = fs = 60000 P.S.I. Yield A.S.T.M. A- 615
Mesh = fs = 65000 P.S.I. Yield A.S.T.M. A- 185
- Loading = A.A.S.H.T.O. H -20 Load
- See Drill Sheets For Size & Location of Pipe Entries. This Drawing For Reinforcement And General Details Only.
- Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes.
- Steps- Co-polymer Polypropylene w/ 1/2" Rebar As Manufactured by M.A. Industries Model PS2-PF Or Approved Equal.



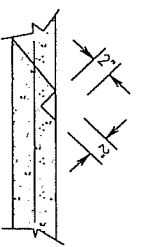
To Be Used Only in Shallow Manhole Conditions And Only When The Manhole Consists Of Base Section & Top Slab With No Riser.

F:\DCM\HNC-5.dcd

COASTAL PIPELINE			
(631)369-4000 PRODUCTS CORP.			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: 60" Dia Precast Concrete Manhole			
N.C.D.P.W. Type 3 Slom			
scale	date	dwn. by	dwg. no.
None	4/26/04	G.S.E.	NC58T

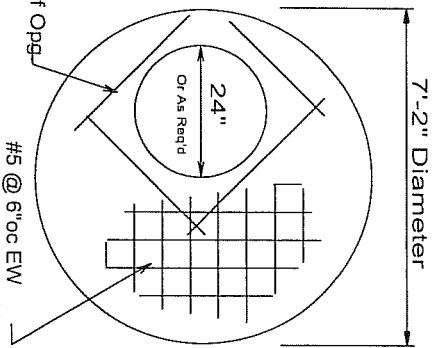


Plan

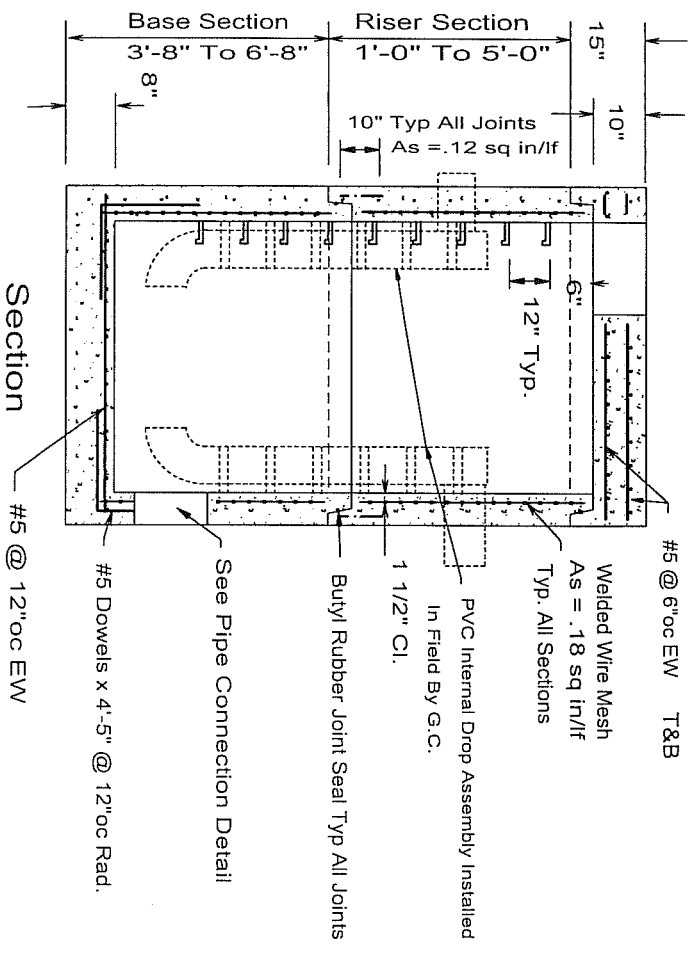


**Section A-A
Scoring Detail**

Add #5 ES of Opp.

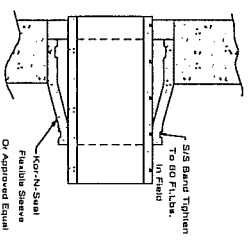


Top Slab



Section

Pipe Connection Detail



Specifications

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- Welded Wire Mesh- ASTM A185
- Design Load- AASHTO HS20 Loading
- Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes
- Joint Seal- 1" Sq or 1" Dia Self Sealing Butyl Rubber Gasket Equal To Fed Spec SS-S-00210.
- Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal.
- See Drill Sheets For Size & Location Of Pipe Entries. This Shop Drawing Is For Reinforcing & General Details Only.

COASTAL PIPELINE
 (631)369-4000 PRODUCTS CORP.
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:

Contractor:

Product: 72" Dia Precast Concrete Manhole
 NCDPW Double Internal Drop Manhole

scale	date	dwn. by	dwg. no.
None	4/26/04	G.S.E.	NC6DDSA

SPECIFICATIONS

1. Concrete Mix Design (5000 P.S.I.)
Cement - 752 #/cy
Sand - 1130 #/cy
3/4" Agg. 1700 #/cy
Water - 354#/cy (w/c = 0.47)
Min. acceptable 28 day strength = 4000 P.S.I.
2. Rebars = fs = 60000 P.S.I. Yield A.S.T.M. A-615
Mesh = fs = 65000 P.S.I. Yield A.S.T.M. A-185
3. Loading = A.A.S.H.T.O. H-20 Load
4. See Drill Sheets For Size & Location of Pipe Entries. This Drawing For Reinforcement And General Details Only.
5. Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes.
6. Steps- Co-polymer Polypropylene w/ 1/2" Rebar As Manufactured by M.A. Industries Model PS2-PF Or Approved Equal.

F:\DCIMHNC-6.dcd

COASTAL PIPELINE

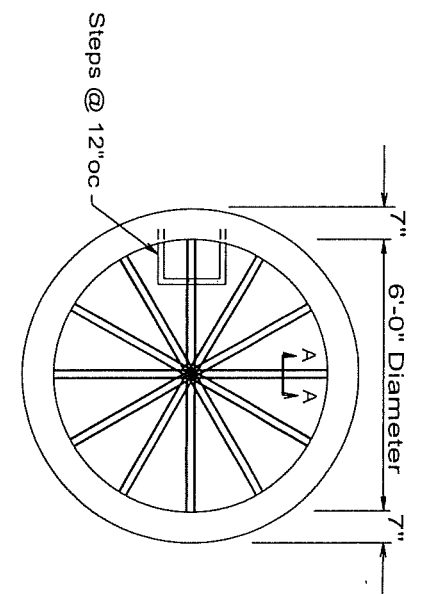
(631)369-4000 PRODUCTS CORR.
P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:

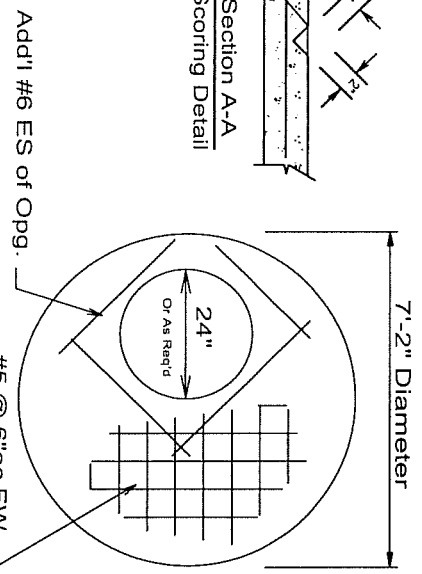
Contractor:

Product: 72" Dia Precast Concrete Manhole
Type 3 Storm Manhole

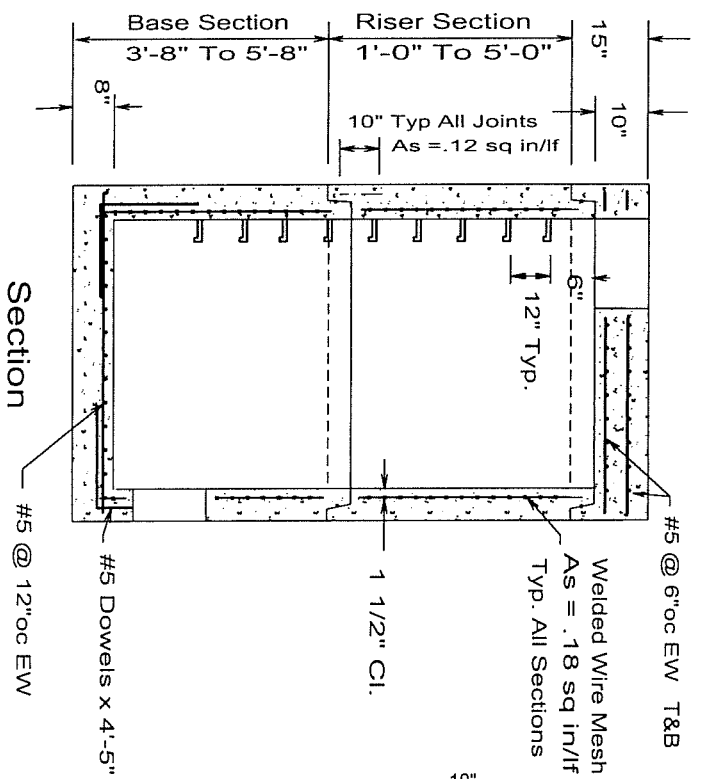
scale	date	dwn. by	dwg. no.
None	4/26/04	G.S.E.	



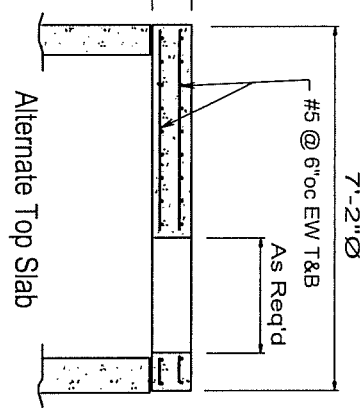
Plan



Top Slab

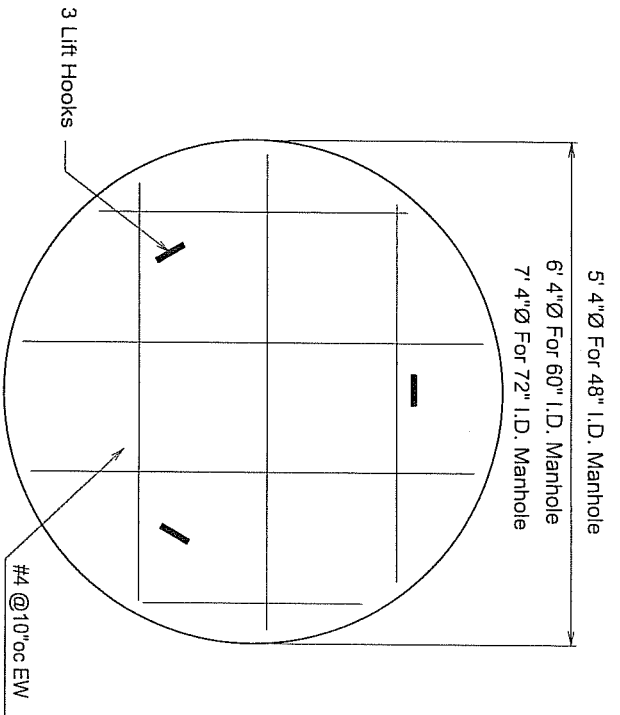


Section



Alternate Top Slab

To Be Used Only In Shallow Manhole Conditions And Only When The Manhole Consists Of Base Section & Top Slab With No Riser.

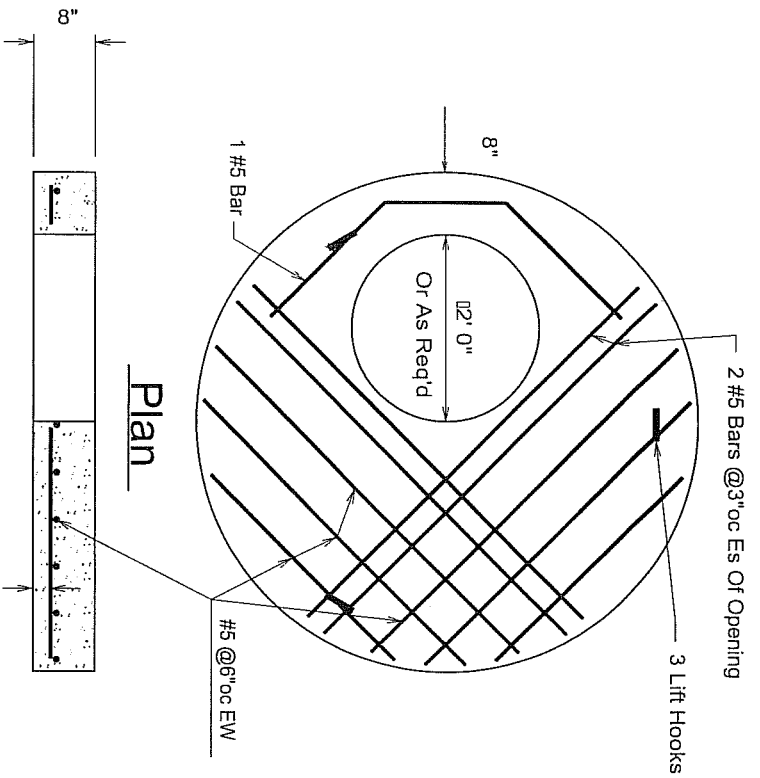


Plan



Section

Bottom Slab



Plan

Section

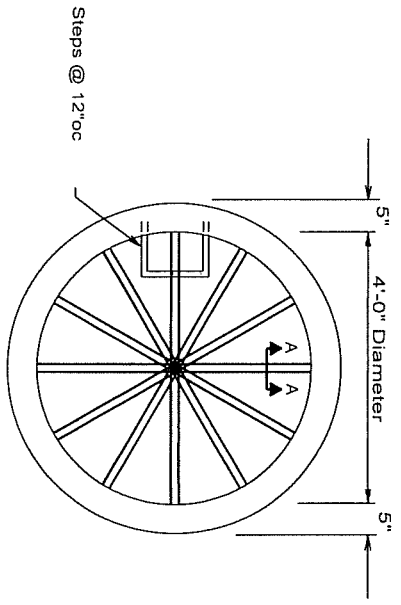
Top Slab

Specifications

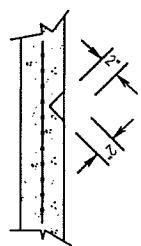
Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60

F:\DC\MH\Slabset.dcd

COASTAL PIPELINE PRODUCTS CORP. (631)369-4000 P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: Precast Concrete Manhole Slab Sets For Bricked-Up Storm Manholes			
scale	date	dwn. by	dwg. no.
As-Noted	06/10/94	G.S.E.	SLABSET

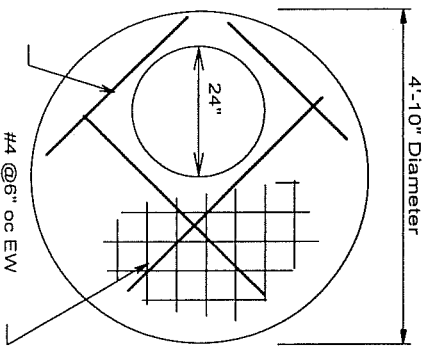


Plan

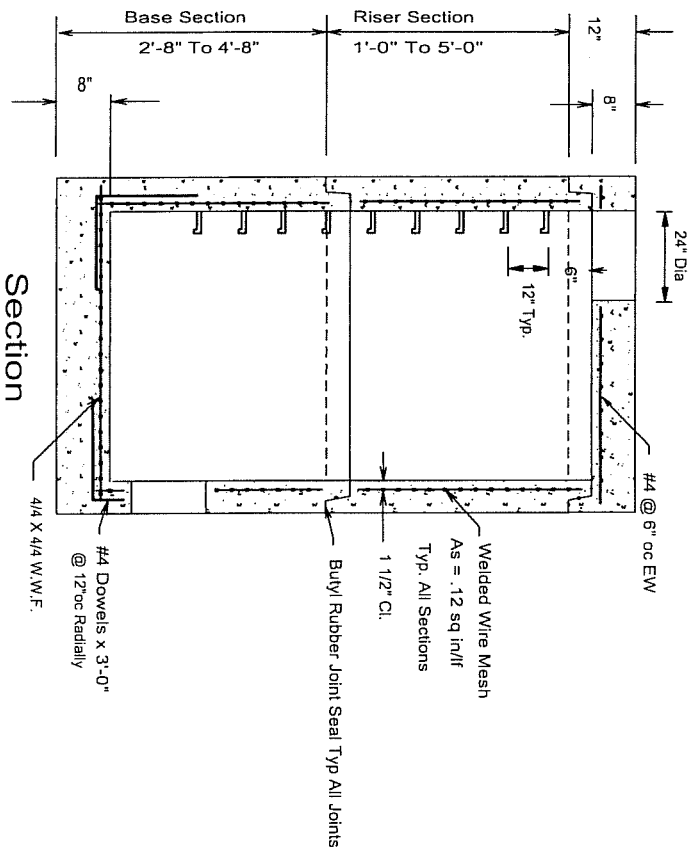


Section A-A
Scoring Detail

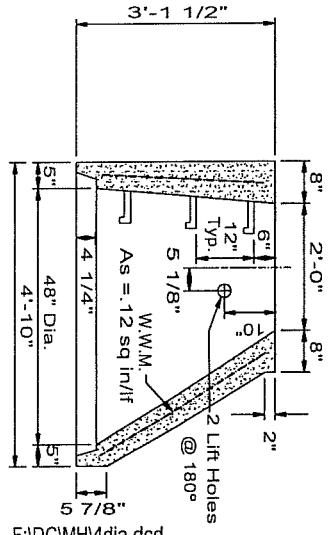
Add'l #4 ES of Opg.



Top Slab



Section



Eccentric Cone

Specifications

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- Fs = 60,000 psi
- Welded Wire Mesh- ASTM A185
- Fs = 65,000 psi
- Design Load- AASHTO HS20 Loading
- Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes
- Joint Seal- 1" Sq or 1" Dia Self Sealing Butyl Rubber Gasket Equal To Fed Spec SS-S-00210.
- Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal.
- See Drill Sheets For Size & Location Of Pipe Entries. This Shop Drawing Is For Reinforcing & General Details Only.

COASTAL PIPELINE

(631)369-4000 PRODUCTS CORP.
P.O. Box 575, Twomey Ave., Calverton NY 11933

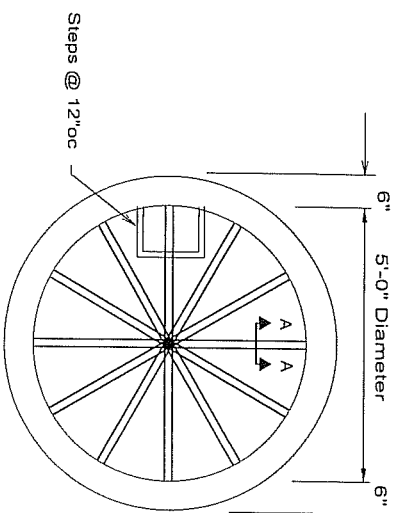
Project:

Contractor:

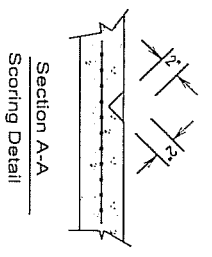
Product: 48" Dia Precast Concrete Manhole

scale	date	dwn. by	dwg. no.
None	11/18/03	G.S.E.	

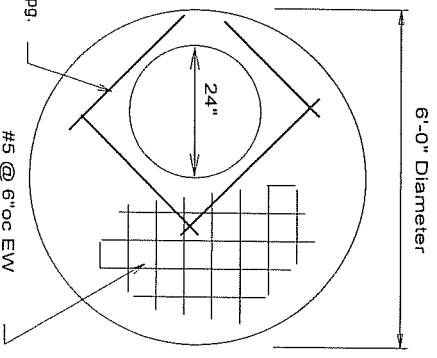
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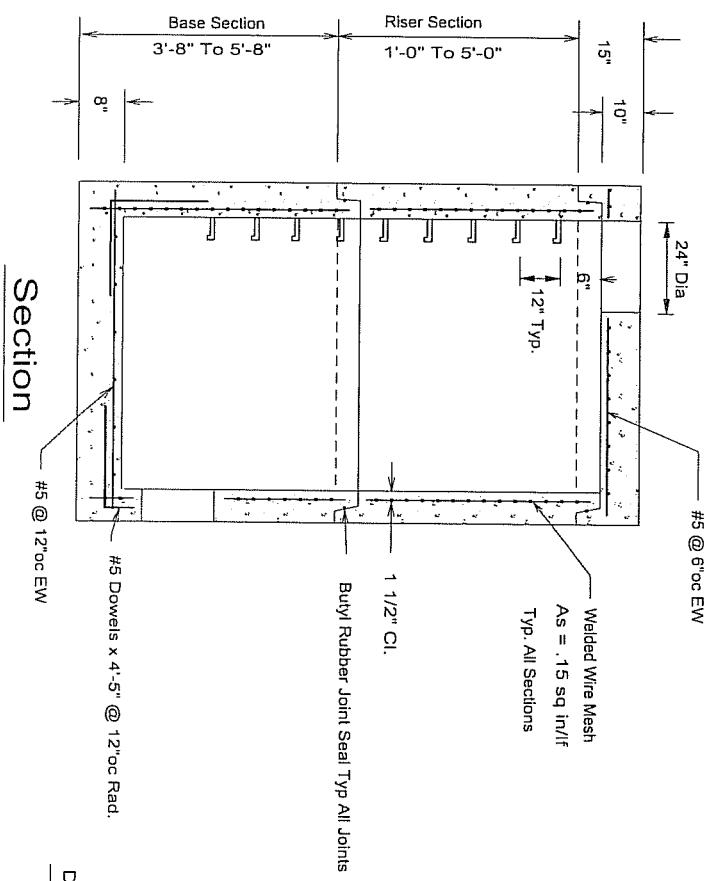
Plan



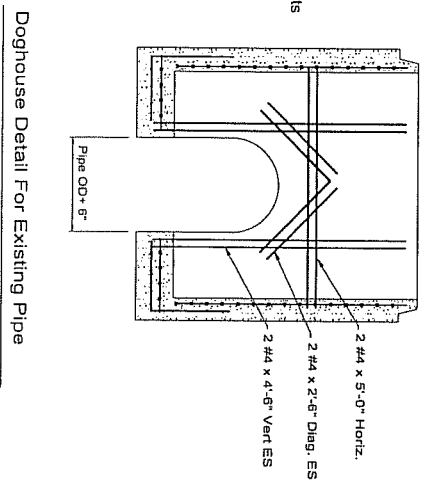
Addl #5 ES of Opp.



Top Slab



Section



Doghouse Detail For Existing Pipe

Specifications

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- FS = 60,000 psi
- Welded Wire Mesh- ASTM A185
- FS = 65,000 psi
- Design Load- AASHTO HS20 Loading
- Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes
- Joint Seal- 1" Sq or 1" Dia Self Sealing Butyl Rubber Gasket Equal To Fed Spec SS-S-00210.
- Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal.
- See Drill Sheets For Size & Location Of Pipe Entries. This Shop Drawing Is For Reinforcing & General Details Only.

F:\DC\MH15dia.dcd

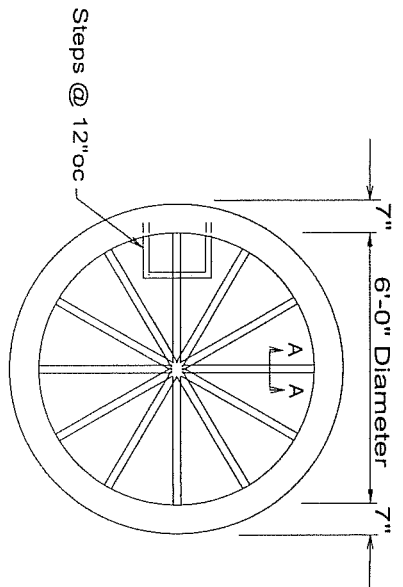
COASTAL PIPELINE PRODUCTS CORP.
 (631) 369-4000
 P.O. Box 575, Twonety Ave., Calverton NY 11933

Project:

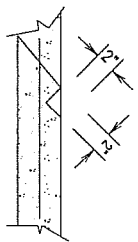
Contractor:

Product: 60" Dia Precast Concrete Manhole

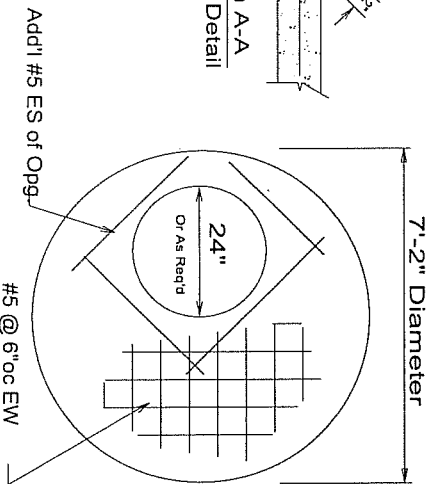
scale	date	dwn. by	dwg. no.
None	3/27/03	G.S.E.	5-ST



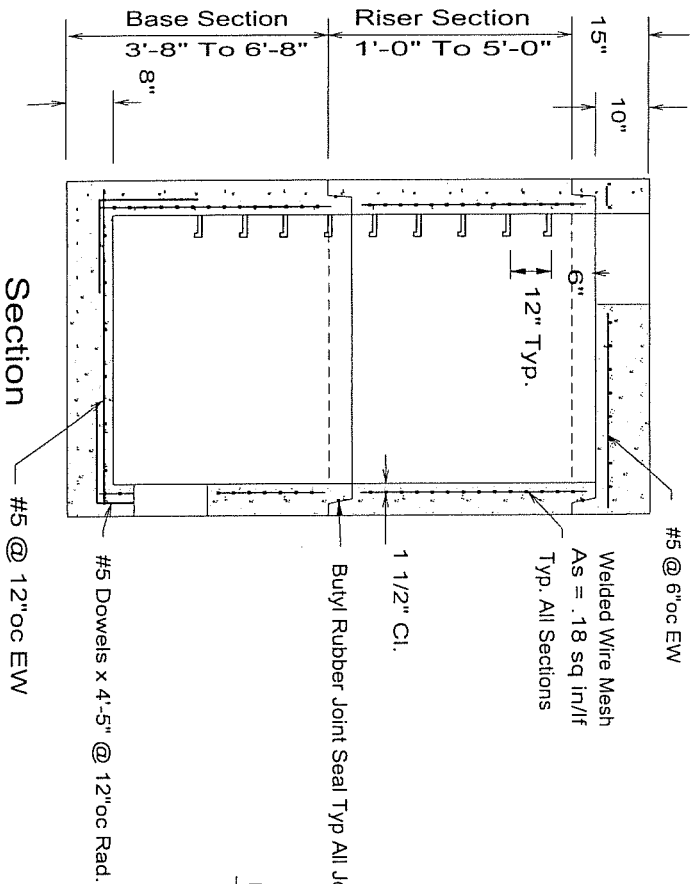
Plan



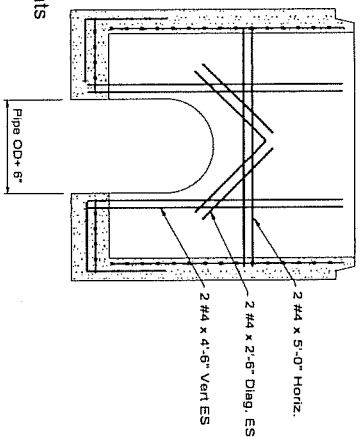
**Section A-A
Scoring Detail**



Top Slab



Section



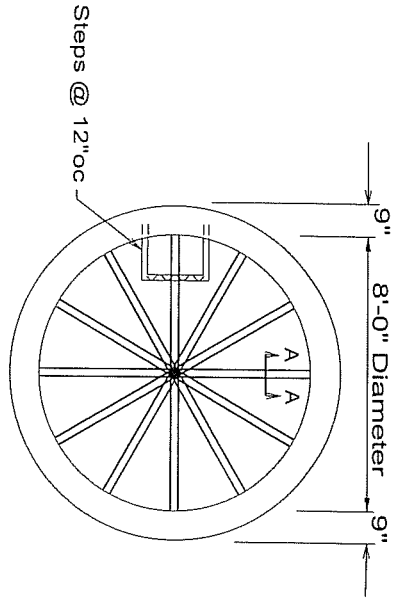
Doghouse Detail For Existing Pipe

Specifications

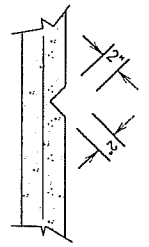
- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
FS = 60,000 psi
- Welded Wire Mesh- ASTM A185
FS = 65,000 psi
- Design Load- AASHTO HS20 Loading
- Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes
- Joint Seal- 1" Sq or 1" Dia Self Sealing Butyl Rubber Gasket Equal To Fed Spec SS-S-00210.
- Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal.
- See Drill Sheets For Size & Location Of Pipe Entries. This Shop Drawing Is For Reinforcing & General Details Only.

F:\DCM\H16dia.dcd

COASTAL PIPELINE (631)366-4000 PRODUCTS CORP. P.O. Box 575, Tworney Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: 72" Dia Precast Concrete Manhole			
scale	date	dwn. by	dwg. no.
None	11/18/03	G.S.E.	



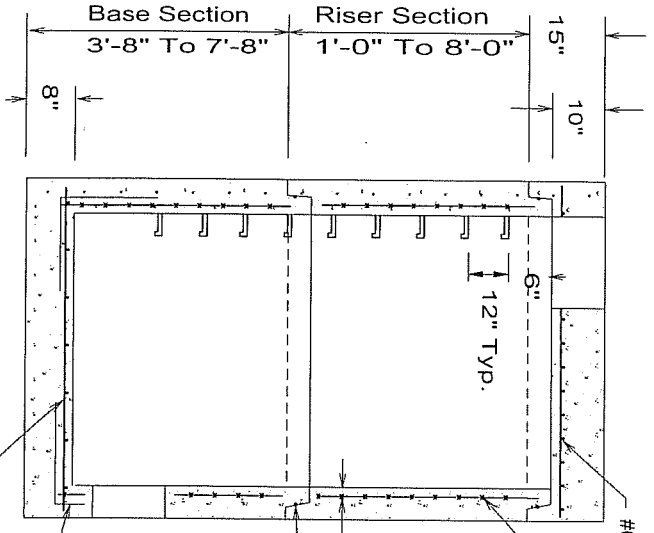
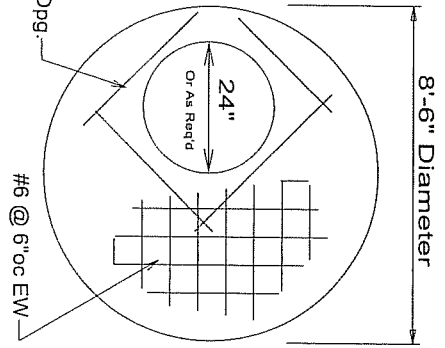
Plan



Section A-A Scoring Detail

Add'l #6 ES of Opg. #6 @ 6"oc EW

Top Slab



Section

#6 @ 6"oc EW
 Welded Wire Mesh
 As = .24 sq in/ft
 Typ. All Sections

1 1/2" Cl.
 Butyl Rubber Joint Seal Typ All Joints

#5 Dowels x 4'-5" @ 12"oc Rad.
 #5 @ 12"oc EW

Specifications

Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60
 Fs = 60,000 psi
 Welded Wire Mesh- ASTM A185
 Fs = 65,000 psi
 Design Load- AASHTO HS20 Loading

Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes
 Joint Seal- 1" Sq or 1" Dia Self Sealing Butyl Rubber Gasket Equal To Fed Spec SS-S-00210.
 Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal.

See Drill Sheets For Size & Location Of Pipe Entries. This Shop Drawing Is For Reinforcing & General Details Only.

COASTAL PIPELINE
 PRODUCTS CORP.
 (631)369-4000
 P. O. Box 575, Twomey Ave., Calverton NY 11933

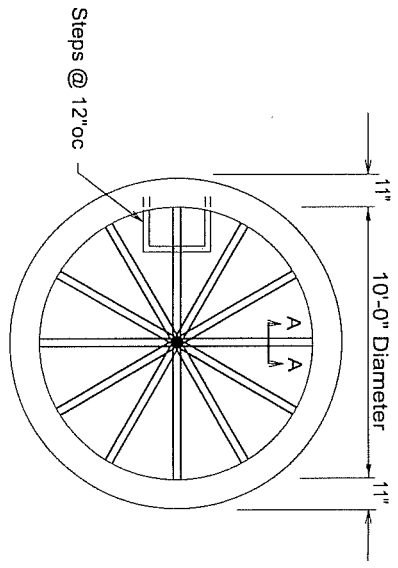
Project:

Contractor:

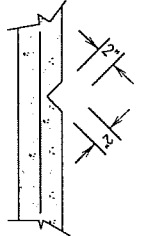
Product: 96" Dia Precast Concrete Manhole

scale	date	dwn. by	dwg. no.
None	11/18/03	G.S.E.	

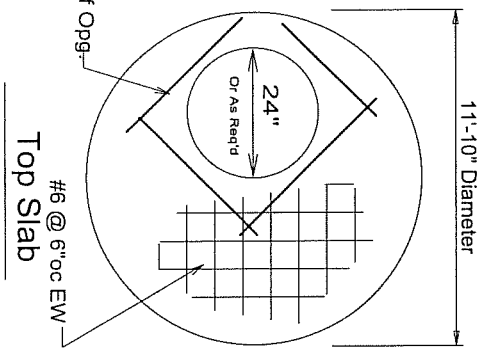
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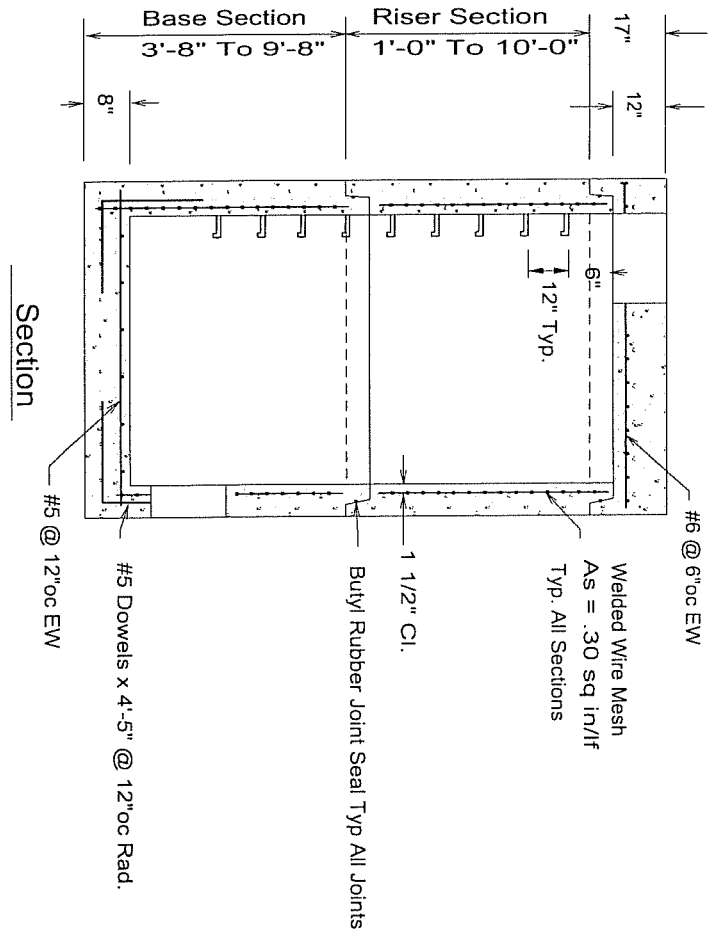
Plan



Section A-A
Scoring Detail



Top Slab



Section

Specifications

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- Fs = 60,000 psi
- Welded Wire Mesh- ASTM A185
- Fs = 65,000 psi
- Design Load- AASHTO HS20 Loading

- Manhole Design Conforms With ASTM C-478 For Precast Concrete Manholes
- Joint Seal- 1" Sq or 1" Dia Self Sealing Butyl Rubber Gasket Equal To Fed Spec SS-S-00210.

- Steps- Copolymer Polypropylene With 1/2" Rebar By M.A. Industries or Approved Equal.

See Drill Sheets For Size & Location Of Pipe Entries. This Shop Drawing Is For Reinforcing & General Details Only.

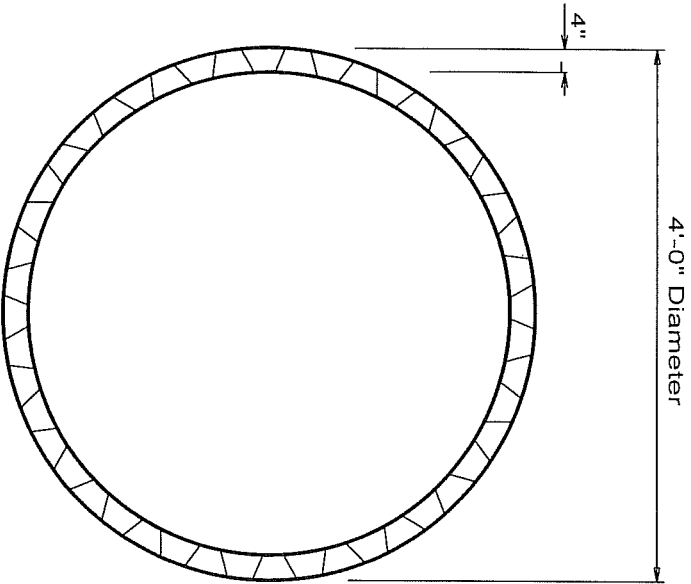
COASTAL PIPELINE PRODUCTS CORP.
 (631)366-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____
 Contractor: _____

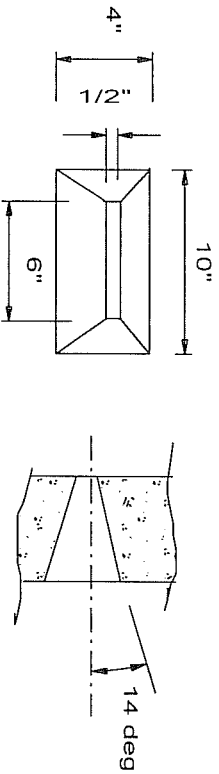
Product: 120" Dia Precast Concrete Manhole

scale	date	dwn. by	dwg. no.
None	11/19/03	G.S.E.	120MH

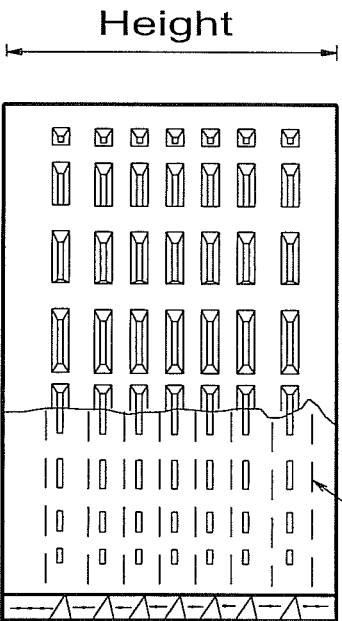
Height Ft. In.	Wall Thickness Inches	Drain Wall Area Sq. Ft.	Internal Volume		Drain Openings		Reinforcement Welded Wire Mesh	Weight Lbs.
			Cu. Ft.	Gals.	Total	Size		
4' 0"	4"	50.3	34.8	261	84	1/2" x 6"	6 x 12-6 x 8	1704
4' 6"	4"	56.6	39.3	294	96	1/2" x 6"	6 x 12-6 x 8	1917



Plan



Detail Drain Opening



Section

Notes

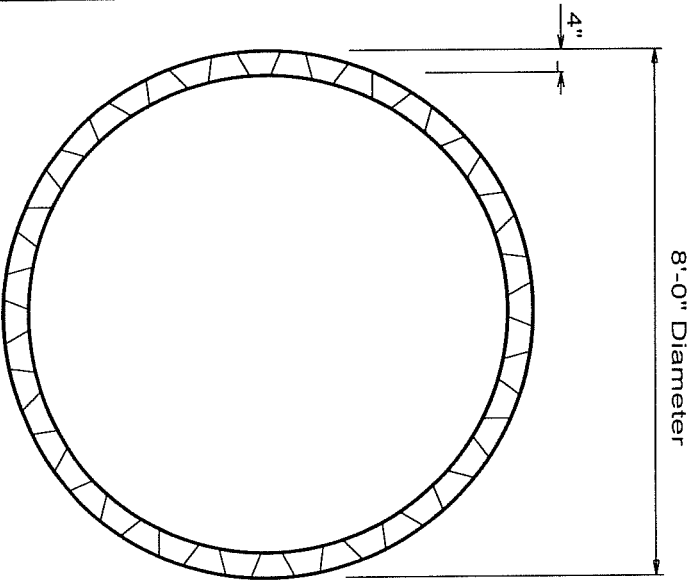
Concrete- 4000 psi @ 28 Days
Welded Wire Mesh- ASTM A185

COASTAL PIPELINE
PRODUCTS CORP.
P.O. Box 575, Twomey Ave., Calverton NY 11933
(631)369-4000

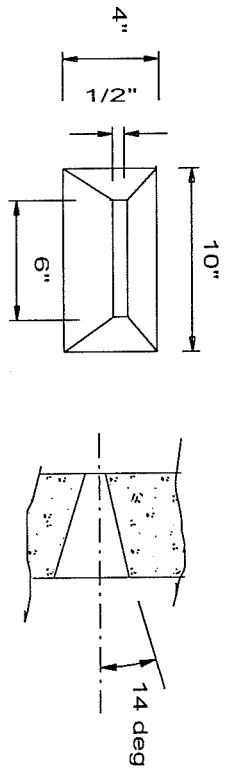
Project:
Contractor:

Product:	4'-0" Diameter Sanitary Drain Ring		
scale	date	dwn. by	dwg. no.
NONE	4/22/04	G.S.E.	S44

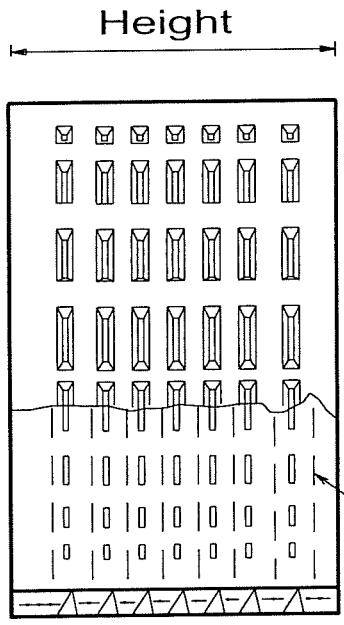
Height Fl. In.	Wall Thickness Inches	Drain Wall Area Sq. Ft.	Internal Volume			Drain Openings			Reinforcement Welded Wire Mesh	Weight Lbs.
			Cu. Ft.	Gals.	Total	Size	Angle			
2' 0"	4"	50.3	84.4	631	72	1/2" x 6"	14°	6 x 12-6 x 8	1897	
3' 6"	4"	88.0	147.7	1105	144	1/2" x 6"	14°	6 x 12-6 x 8	3188	
4' 0"	4"	100.5	166.8	1263	168	1/2" x 6"	14°	6 x 12-6 x 8	3619	



Plan



Detail Drain Opening



Section

Notes

Concrete- 4000 psi @ 28 Days
Welded Wire Mesh- ASTM A185

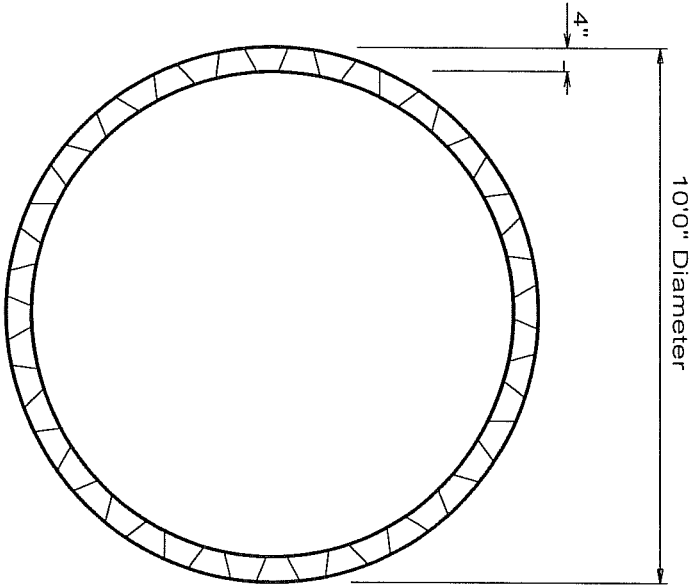
COASTAL PIPELINE
(631)369-4000
PRODUCTS CORP.
 P.O. Box 575, Tworney Ave., Calverton NY 11933

Project: _____
 Contractor: _____

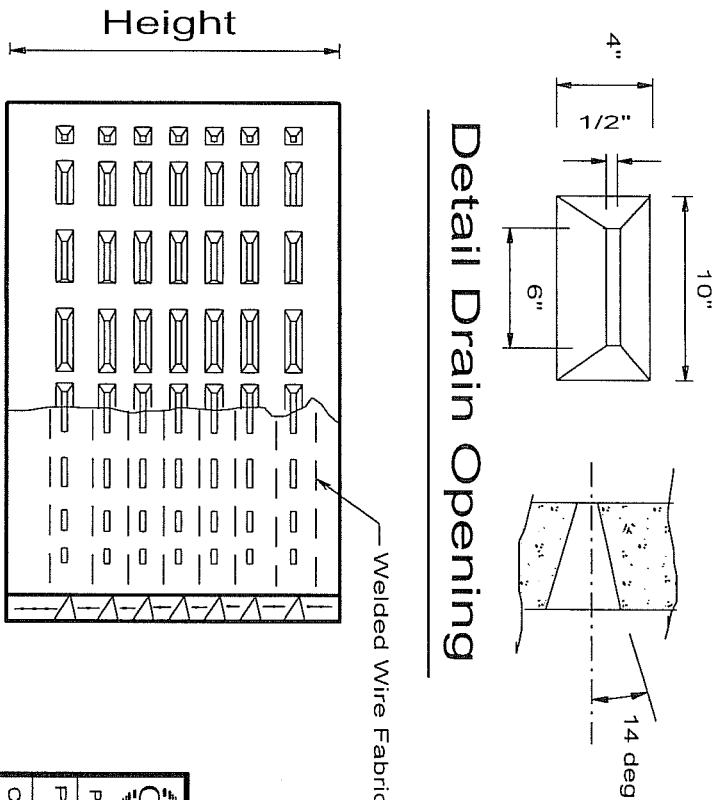
Product: 8'-0" Diameter
 Sanitary Drain Rings

scale	date	dwn. by	dwg. no.
NONE	4/22/04	G.S.E.	SAB

Height Ft. In.	Wall Thickness Inches	Drain Wall Area Sq. Ft.	Internal Volume			Drain Openings			Reinforcement Welded Wire Mesh	Weight Lbs.
			Cu. Ft.	Gals.	Total	Size	Angle			
3' 0"	4"	94.2	205.1	1534	144	1/2" x 6"	14°	6 x 12-6 x 8	1897	
4' 0"	4"	125.7	273.5	2046	210	1/2" x 6"	14°	6 x 12-6 x 8	4576	
5' 0"	4"	157.1	341.8	2557	270	1/2" x 6"	14°	6 x 12-6 x 8	5666	



Plan

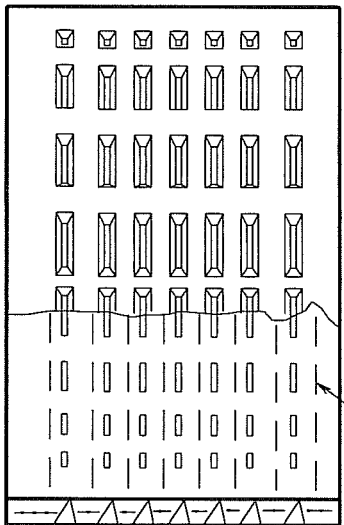


Detail Drain Opening

Welded Wire Fabric

Notes

Concrete- 4000 psi @ 28 Days
Welded Wire Mesh- ASTM A185



Section

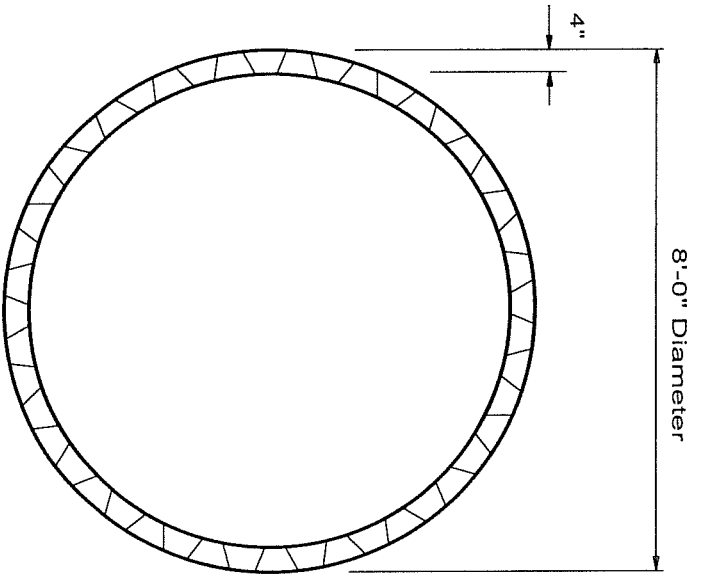
COASTAL PIPELINE
 PRODUCTS CORP.
 (631)564-4000
 P.O. Box 575, Tworney Ave., Calverton NY 11933

Project: _____
 Contractor: _____

Product: 10'0" Diameter
 Sanitary Drain Ring

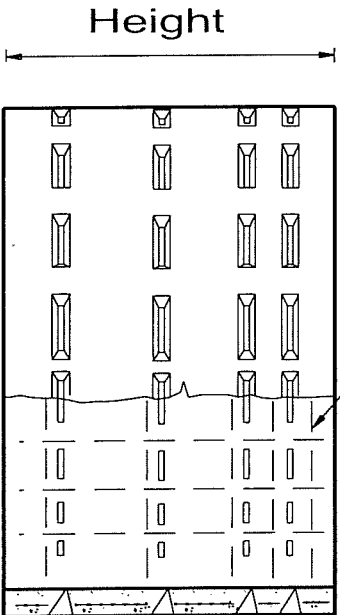
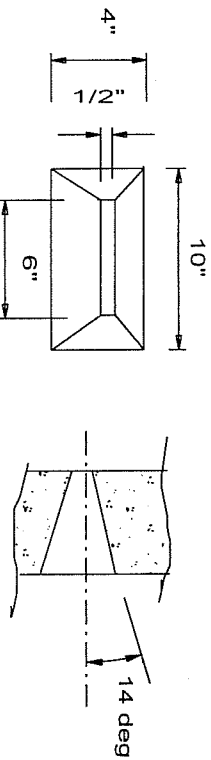
scale	date	dwn. by	dwg. no.
NONE	4/22/04	G.S.E.	SA10

Height Fl. In.	Wall Thickness Inches	Drain Wall Area Sq. Ft.	Internal Volume		Drain Openings			Reinforcement Welded Wire Mesh	Weight Lbs.
			Cu. Ft.	Gals.	Total	Size	Angle		
2'0"	4"	50.3	84.4	631	24	1/2"x6"	14°	6"x12" 6 x 8	2246
3'6"	4"	88.0	147.7	1105	36	1/2"x6"	14°	6"x12" 6 x 8	3973
4'0"	4"	100.5	168.8	1263	48	1/2"x6"	14°	6"x12" 6 x 8	4491



Plan

Detail Drain Opening



Section

Notes

Concrete- 4000 psi @ 28 Days
Welded Wire Mesh- ASTM A185

COASTAL PIPELINE

(631)369-4000 PRODUCTS CORP.
P. O. Box 575, Twomey Ave., Calverton NY 11933

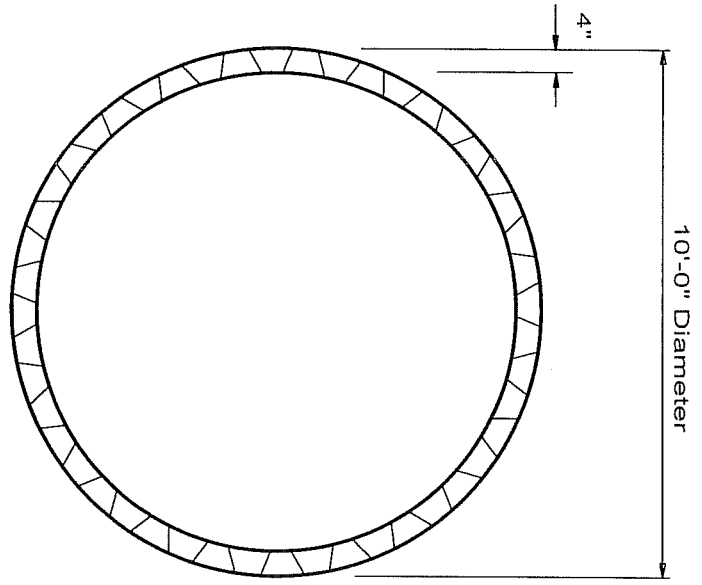
Project:

Contractor:

Product: 8'-0" Diameter
Storm Drain Ring

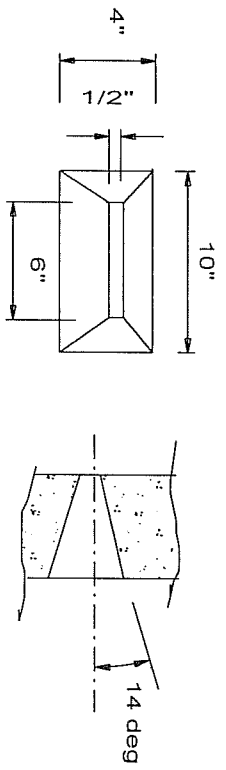
scale	date	dwn. by	dwg. no.
NONE	4/22/04	G.S.E.	ST8

Height Ft. In.	Wall Thickness Inches	Drain Wall Area Sq. Ft.	Internal Volume			Drain Openings			Reinforcement	Weight Lbs.
			Cu. Ft.	Gals.	Total	Size	Angle			
3' 0"	4"	94.2	205.1	1534	90	1/2"x6"	14°	Welded Wire Mesh 6"x12" 6 x 8	3923	
4' 0"	4"	125.7	273.5	2046	120	1/2"x6"	14°	6"x12" 6 x 8	5231	
5' 0"	4"	157.1	341.8	2557	150	1/2"x6"	14°	6"x12" 6 x 8	6538	

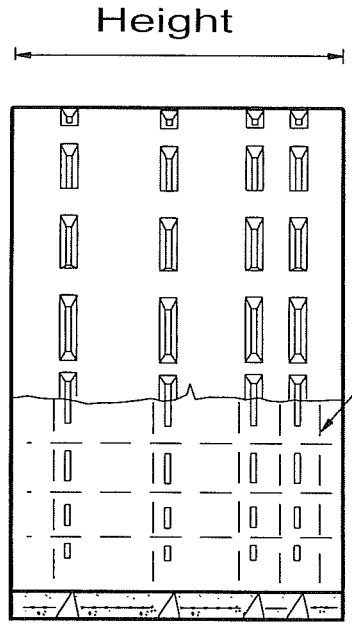


Plan

Detail Drain Opening



Welded Wire Mesh Reinforcement



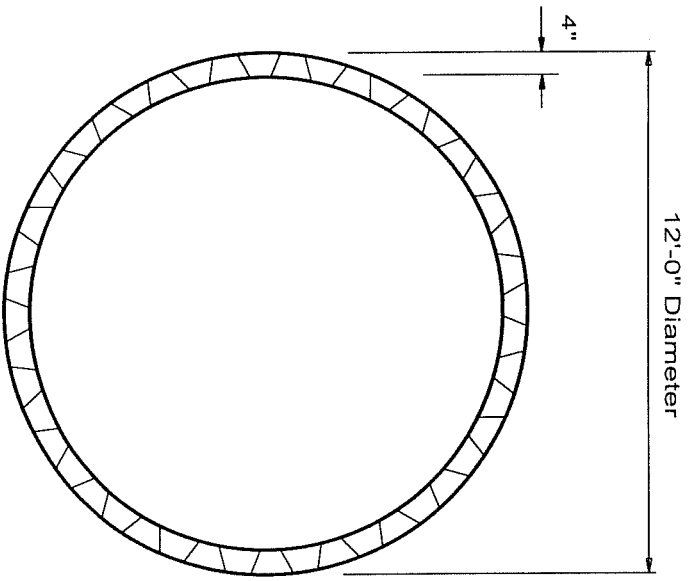
Section

Notes

Concrete- 4000 psi @ 28 Days
Welded Wire Mesh- ASTM A185

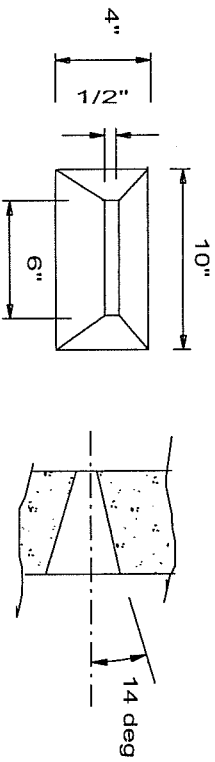
COASTAL PIPELINE (631)369-4000 PRODUCTS CORP. P. O. Box 575, Twomey Ave., Calverton NY 11933				
Project:				
Contractor:				
Product: 10'-0" Diameter Storm Drain Ring				
scale	date	dwn. by	dwg. no.	
NONE	4/22/04	G.S.E.	ST10	

Height Ft. In.	Wall Thickness Inches	Drain Wall Area Sq. Ft.	Internal Volume		Drain Openings			Reinforcement Welded Wire Mesh	Weight Lbs.
			Cu. Ft.	Gals.	Total	Size	Angle		
3' 0"	4"	113.1	302.5	2262	108	1/2"x6"	14°	6"x12" 6 x 8	4875
4' 0"	4"	150.8	403.3	3017	144	1/2"x6"	14°	6"x12" 6 x 8	6500
5' 0"	4"	188.5	504.1	3771	180	1/2"x6"	14°	6"x12" 6 x 8	8125

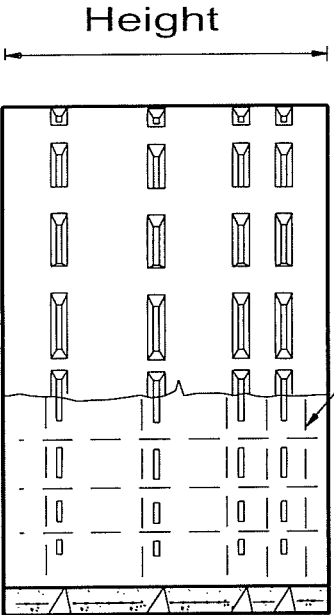


Plan

Detail Drain Opening



Welded Wire Mesh Reinforcement



Section

Notes

Concrete- 4000 psi @ 28 Days
Welded Wire Mesh- ASTM A185

COASTAL PIPELINE
(631)369-4000 PRODUCTS CORP.
P. O. Box 575, Twomey Ave., Calverton NY 11933

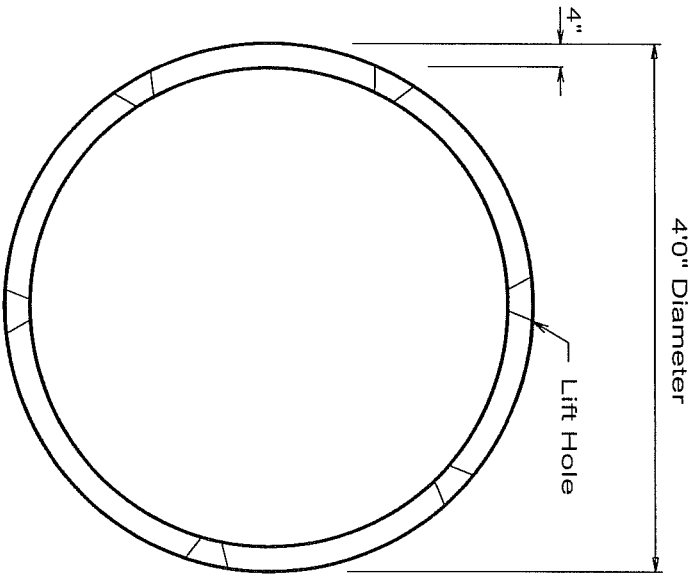
Project:

Contractor:

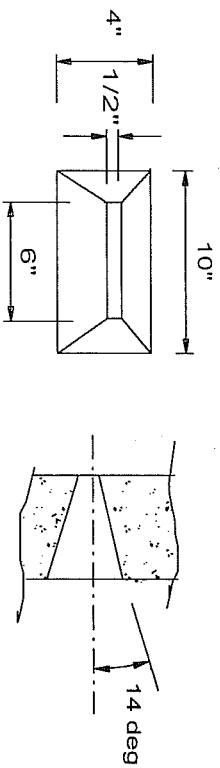
Product: 12'-0" Diameter
Storm Drain Ring

scale	date	dwn. by	dwg. no.
NONE	4/22/04	G.S.E.	ST12

Height Ft. In.	Wall Thickness Inches	Drain Wall Area Sq. Ft.	Internal Volume		Drain Openings			Reinforcement Welded Wire Mesh	Weight Lbs.
			Cu. Ft.	Gals.	Total	Size	Angle		
4'0"	4"	50.3	34.8	261	3	1/2" x 6"	14°	6 x 12-6 x 8	2292



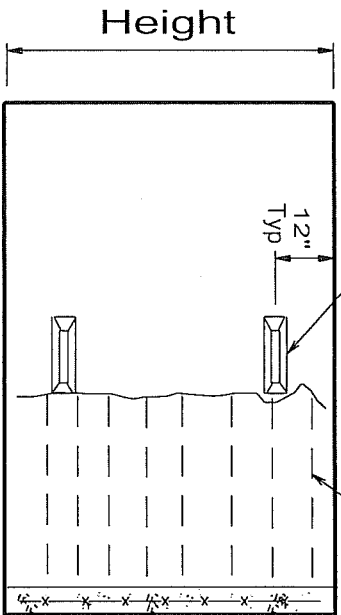
Plan



Lift Hole Detail

See Table For Quantity

Lift Hole
Welded Wire Fabric



Section

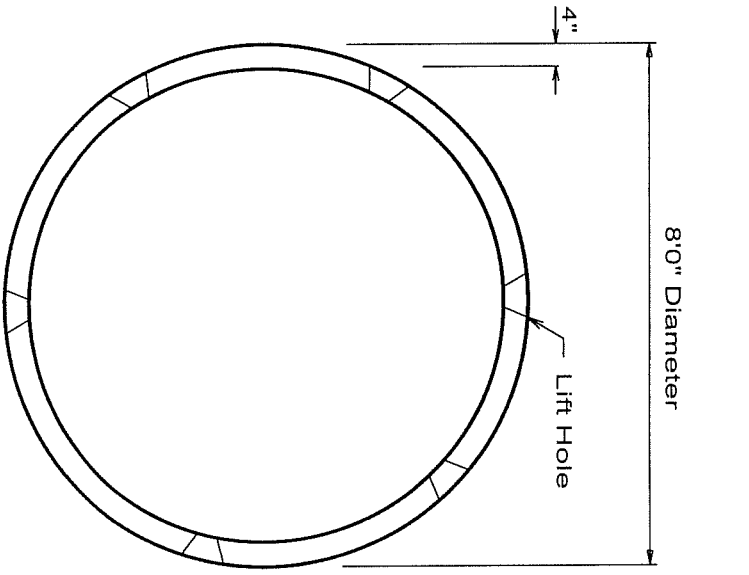
Notes

Concrete- 4000 psi @ 28 Days
Welded Wire Mesh- ASTM A185

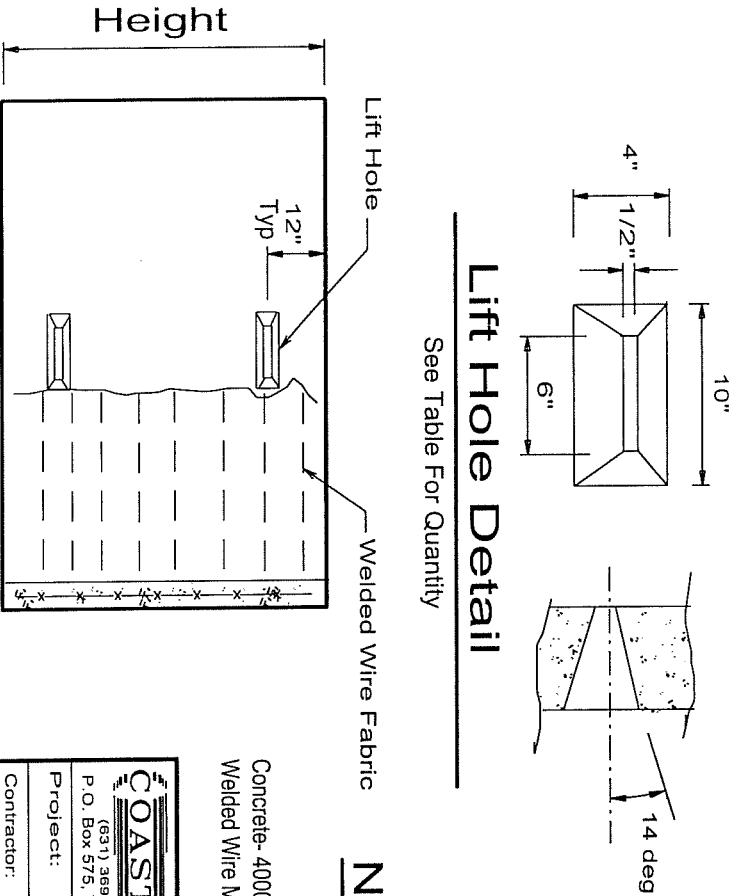
COASTAL PIPELINE PRODUCTS CORP.
(631) 369-4000
P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:			
Contractor:			
Product:	4'0" Diameter	Solid Drain Ring	
scale	date	dwn. by	dwg. no.
NONE	4/22/04	G.S.E.	SO4

Height Fl. In.	Wall Thickness Inches	Drain Wall Area Sq. Ft.	Internal Volume		Drain Openings			Reinforcement Welded Wire Mesh	Weight Lbs.
			Cu. Ft.	Gals.	Total	Size	Angle		
2' 0"	4"	50.3	84.4	631	1 Row x 6 = 6	5 1/2" x 6"	14°	6 x 12-6 x 8	2376
4' 0"	4"	100.5	168.8	1263	2 Rows x 6 = 12	1/2" x 6"	14°	6 x 12-6 x 8	4797
5' 0"	4"	125.7	211.0	1578	1 Row x 6 = 6	1/2" x 6"	14°	6 x 12-6 x 8	6028



Plan



Lift Hole Detail

See Table For Quantity

Lift Hole

Welded Wire Fabric

Notes

Concrete- 4000 psi @ 28 Days
Welded Wire Mesh- ASTM A185

COASTAL PIPELINE

631 369-4000 PRODUCTS CORP.
P.O. Box 575, Twomey Ave., Calverton NY 11933

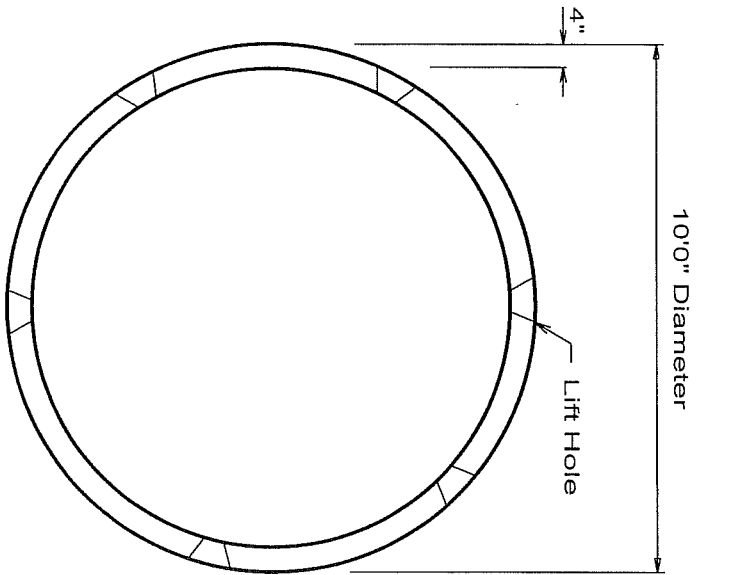
Project:

Contractor:

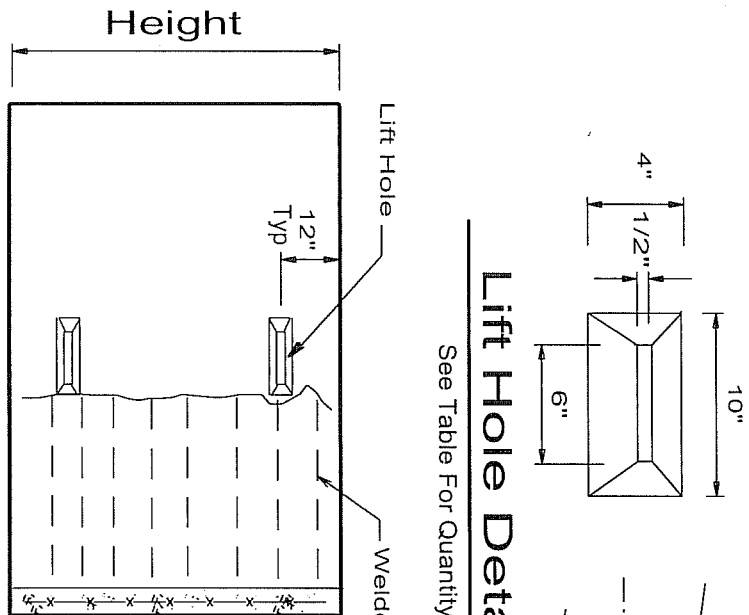
Product: 8'0" Diameter
Solid Drain Ring

scale	date	dwn. by	dwg. no.
NONE	4/22/04	G.S.E.	SO8

Height Ft. In.	Wall Thickness Inches	Drain Wall Area Sq. Ft.	Internal Volume		Drain Openings			Reinforcement Welded Wire Mesh	Weight Lbs.
			Cu. Ft.	Gals.	Total	Size	Angle		
3' 0"	4"	94.2	205.1	1534	2 Rows x 6 = 12	1/2" x 6"	14°	6 x 12-6 x 8	4534
4' 0"	4"	125.7	273.5	2046	2 Rows x 6 = 12	1/2" x 6"	14°	6 x 12-6 x 8	6059
5' 0"	4"	157.1	341.8	2557	1 Row x 6 = 6	1/2" x 6"	14°	6 x 12-6 x 8	7607



Plan



Lift Hole Detail

See Table For Quantity

Notes

Concrete- 4000 psi @ 28 Days
Welded Wire Mesh- ASTM A185

COASTAL PIPELINE
PRODUCTS CORP.
(631) 369-4000
P.O. Box 575, Twomey Ave., Calverton NY 11933

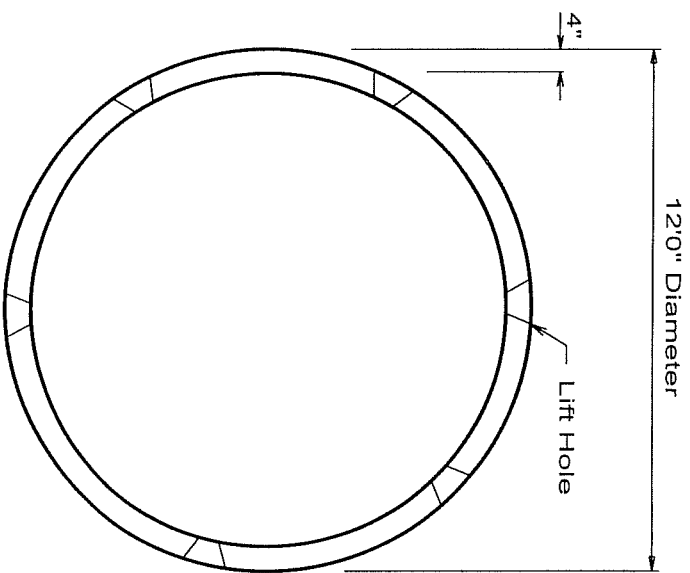
Project:

Contractor:

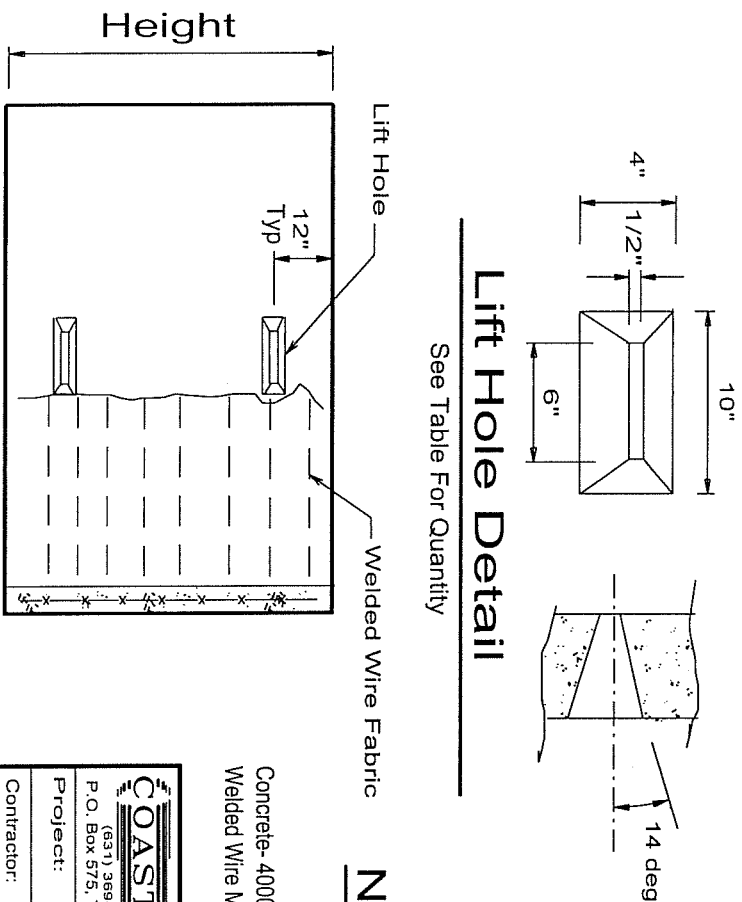
Product: 10'0" Diameter
Solid Drain Ring

scale	date	dwn. by	dwg. no.
NONE	4/22/04	G.S.E.	SO10

Height Ft. In.	Wall Thickness Inches	Drain Wall Area Sq. Ft.	Internal Volume		Drain Openings			Reinforcement Welded Wire Mesh	Weight Lbs.
			Cu. Ft.	Gals.	Total	Size	Angle		
3' 0"	4"	113.1	302.5	2262	2 Rows x 6 = 12	1/2" x 6"	14°	6 x 12-6 x 8	5481
4' 0"	4"	150.8	403.3	3017	2 Rows x 6 = 12	1/2" x 6"	14°	6 x 12-6 x 8	7322
5' 0"	4"	188.5	504.1	3771	2 Rows x 6 = 12	1/2" x 6"	14°	6 x 12-6 x 8	9164



Plan



Lift Hole Detail

See Table For Quantity

Notes

Concrete- 4000 psi @ 28 Days
Welded Wire Mesh- ASTM A185

COASTAL PIPELINE
PRODUCTS CORP.
(631) 369-4000
P.O. Box 575, Twonny Ave., Calverton NY 11933

Project:
Contractor:

Product: 12'0" Diameter
Solid Drain Ring

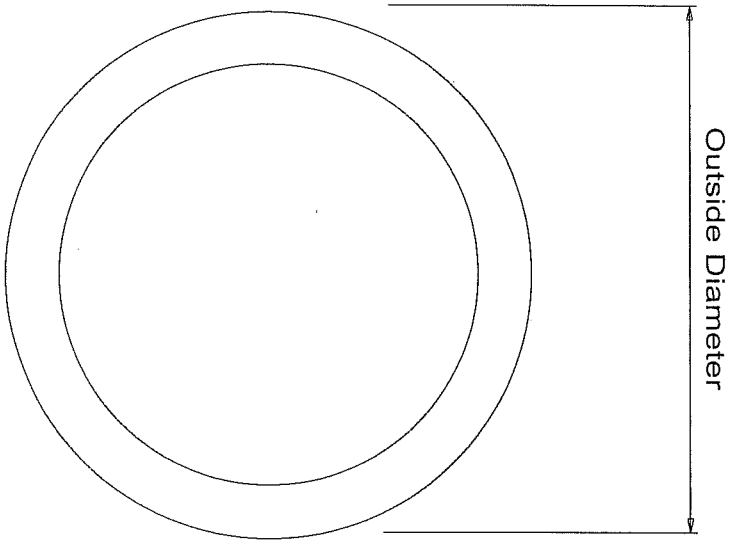
scale	date	dwn. by	dwg. no.
NONE	4/22/04	G.S.E.	SO12

Outside Diameter	Width Inches	Thickness Inches	Reinforcement	Weight Lbs
4'-0"	10"	6"	2 #4 Bars	624
8'-0"	10"	8"	2 #5 Bars	1875
10'-0"	16"	8"	2 #5 Bars	3629
12'-0"	16"	10"	2 #5 Bars	4471

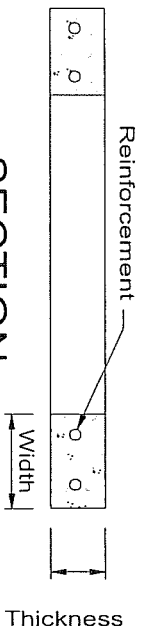
Notes

Concrete 4000 PSI @ 28 Days

Rebar ASTM A-615 Grade 60



PLAN



SECTION

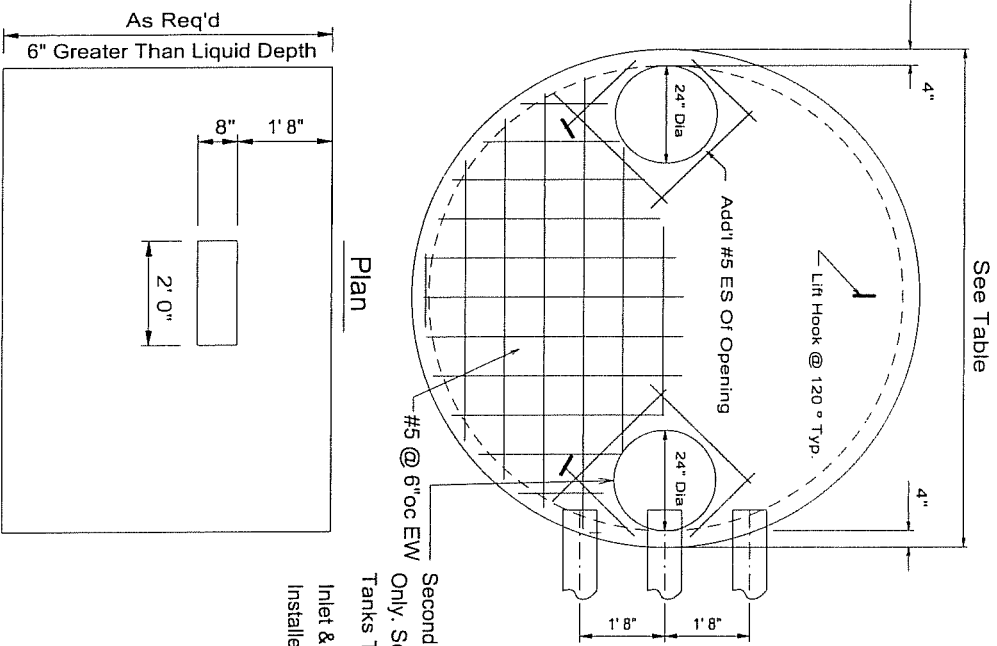
COASTAL PIPELINE PRODUCTS CORP.
 (631) 369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____

Contractor: _____

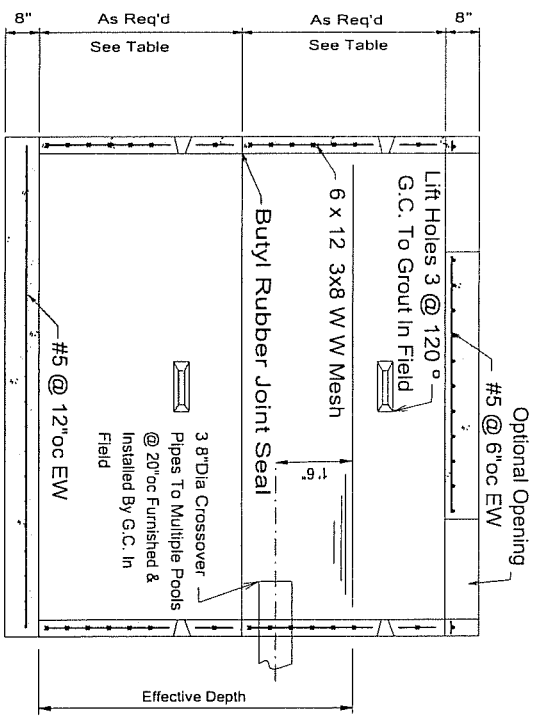
Product: 4'-0", 8'-0", 10'-0" & 12'-0" Circular Footing

scale	date	dwn. by	dwg. no.
NONE	4/27/04	G.S.E.	FTG



Plan

Baffle Wall Detail



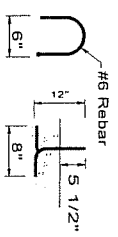
Section

Second Access Opening For Single Pool Tanks
 Only, See Table For Details. Note: Single Pool
 Tanks To Have 4" Baffle Wall.
 Inlet & Outlet Pipe Connections To Be Furnished &
 Installed By G.C. In Field

SPECIFICATIONS

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- Welded Wire Mesh- ASTM A-185
- Joint Seal- 1" Sq. or 1" Dia. Self Sealing
 Butyl Rubber Gasket Equal to Fed.
 Spec. SS-S-00210
- Design Load- A.A.S.H.T.O. HS20 Loading

Lift Hook Detail



Capacity	No. Of Tanks	Dia	Height
1200 Gal	1 Tank	8' Ø	5' -0"
1500 Gal	1 Tank	8' Ø	6' -0"
1800 Gal	1 Tank	8' Ø	7' -0"
2000 Gal	1 Tank	10' Ø	5' -0"
2500 Gal	1 Tank	10' Ø	6' -0"
3000 Gal	1 Tank	10' Ø	7' -0"
3500 Gal	1 Tank	10' Ø	8' -0"
3750 Gal	1 Tank	12' Ø	6' -0"
5250 Gal	1 Tank	12' Ø	8' -0"
3600 Gal	2 Tanks	8' Ø	7' -0"
4000 Gal	2 Tanks	10' Ø	5' -0"
5000 Gal	2 Tanks	10' Ø	6' -0"
7000 Gal	2 Tanks	10' Ø	8' -0"
4500 Gal	3 Tanks	8' Ø	6' -0"
5400 Gal	3 Tanks	8' Ø	7' -0"
7500 Gal	3 Tanks	10' Ø	6' -0"
9000 Gal	3 Tanks	10' Ø	7' -0"
10500 Gal	3 Tanks	10' Ø	8' -0"
15750 Gal	3 Tanks	12' Ø	8' -0"
6000 Gal	4 Tanks	8' Ø	6' -0"
10000 Gal	4 Tanks	10' Ø	6' -0"
14000 Gal	4 Tanks	10' Ø	8' -0"
21000 Gal	4 Tanks	12' Ø	8' -0"
15000 Gal	5 Tanks	10' Ø	7' -0"
17500 Gal	5 Tanks	10' Ø	8' -0"
22500 Gal	5 Tanks	12' Ø	7' -0"
26250 Gal	5 Tanks	12' Ø	8' -0"

COASTAL PIPELINE PRODUCTS CORP.

(631)369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project:
 Contractor:
 Product: Precast Concrete Septic Tank

scale	date	dwn. by	dwg. no.
None	4/27/04	G.S.E.	ST-1

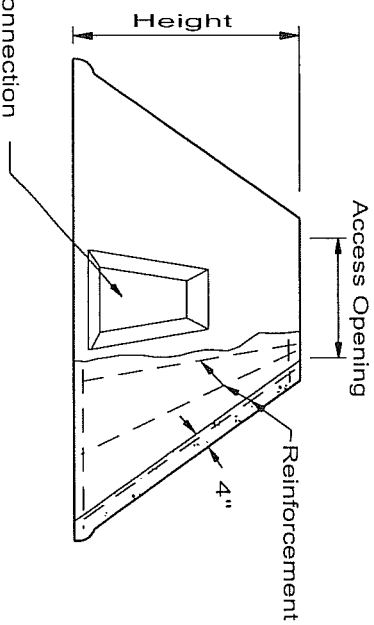
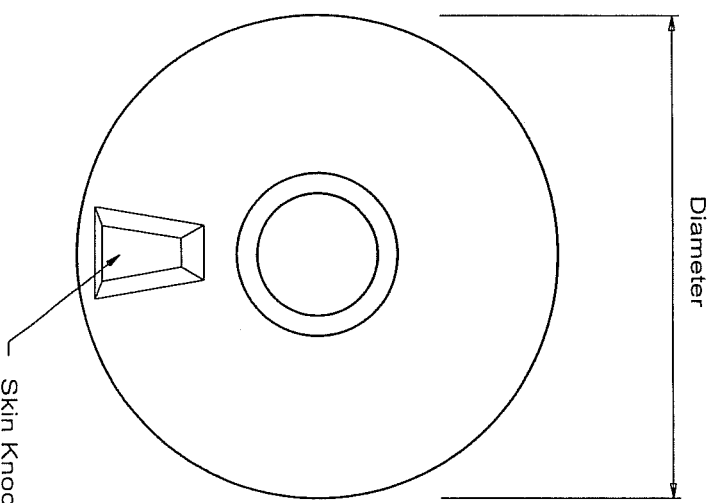
Diameter Ft. In.	Height Ft. In.	Access Opening Inches	Internal Volume		Reinforcement	Weight Lbs
			Cu. Ft.	Gals		
8'-0"	3'-0"	24"	56.9	427	12 #2 Vertical 1 #3 Top & 1 #4 Bolt	3038
10'-0"	3'-8"	24"	100.6	754	12 #2 Vertical 1 #3 Top & 1 #4 Bolt	5062

Notes

Concrete 4000 PSI @ 28 Days

Rebar ASTM A-615 Grade 60

Welded Wire Fabric ASTM A-185



F:\DC\SLAB\Dome.dcd

COASTAL PIPELINE PRODUCTS CORP. (631)369-4000 P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product:	Precast Concrete Solid Wall High Dome		
scale	date	dwn. by	dwg. no.
None	4/27/04	G.S.E.	HDM

Diameter Ft. In.	Height Ft. In.	Slab Diameter Ft. In.	Internal Volume		Reinforcement		Weight Lbs
			Cu. Ft.	Gals	Walls	Slab	
8'-0"	1'-6"	5'-4"	26.4	198	12 #2 Vertical 1 #3 Top & 1 #4 Bott	#5 @6"oc EW	
10'-0"	1'-8"	7'-11"	58.6	439	12 #2 Vertical 1 #4 Top & 1 #5 Bott	#5 @6"oc EW	8140
12'-0"	1'-10"	9'-5"	99.2	744	12 #2 Vertical 1 #4 Top & 1 #5 Bott	#5 @6"oc EW	8800

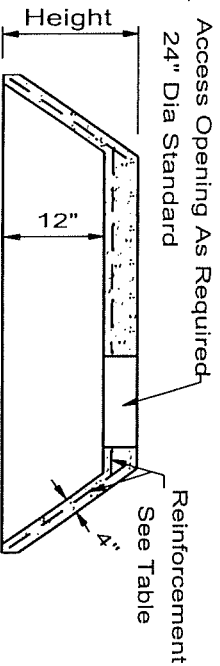
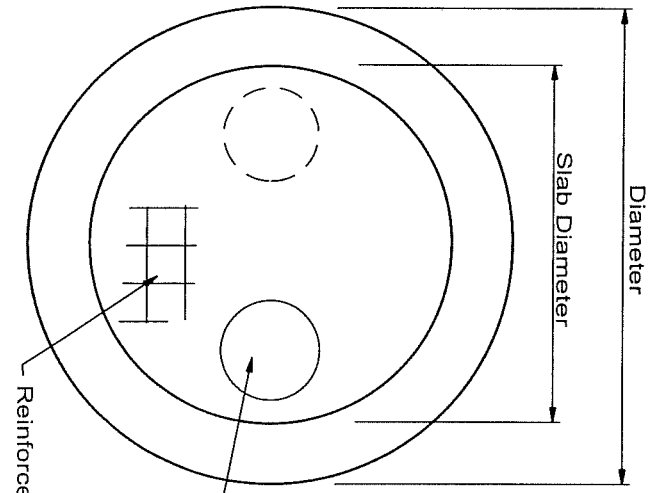
Notes

Concrete 4000 PSI @ 28 Days

Rebar ASTM A-615 Grade 60

Welded Wire Fabric ASTM A-185

Traffic Slab AASHTO H-20 Loading



PLAN

SECTION

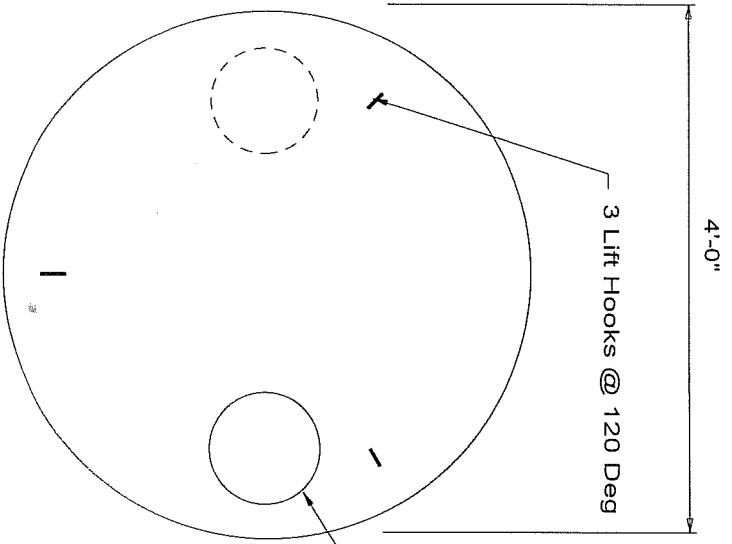
F:\DC\SLAB\IDome.dcd

(631)369-4000 PRODUCTS CORP. P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: Precast Concrete Solid Wall Low Dome		scale	
date	dwn. by	dwg. no.	
11/4/92	G.S.E.	LDM	

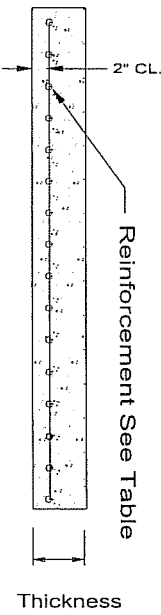
Type	Thickness	Access Opening	Reinforcing Rebar or Equiv. W.W.F.	Weight
Lawn Top	6"	1 @ 24"Dia	#4 Bars @ 8"oc EW	710
Traffic Top	6"	1 @ 24"Dia	#4 Bars @ 8"oc EW	710
Bottom	6"	None	4 x 4 10/10 WWF	942

Notes

Concrete 4000 PSI @ 28 Days
 Rebar ASTM A-615 Grade 60
 Welded Wire Fabric ASTM A-185
 Traffic Slab AASHTO H-20 Loading



Access Opening As Required- Provide Diagonal Bars E.S. of Opq
 24" Diameter Standard



SECTION

PLAN

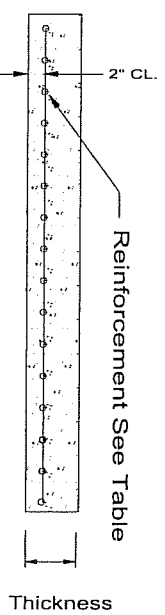
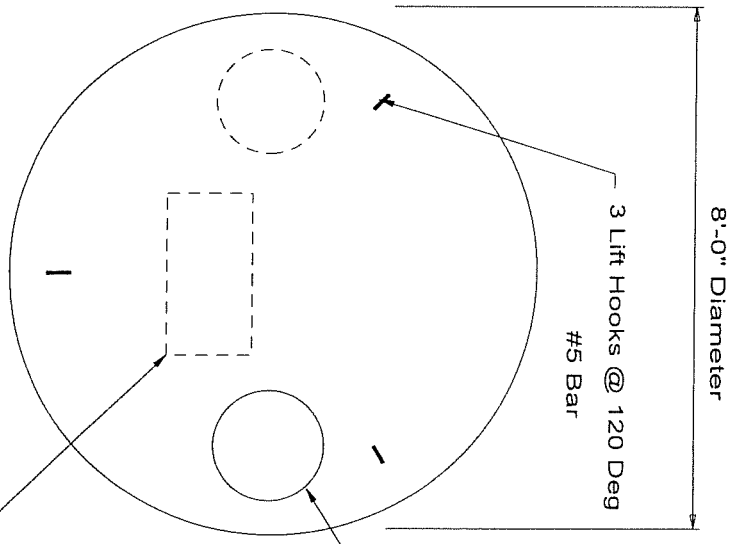
COASTAL PIPELINE PRODUCTS CORP.
 (631) 369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____
 Contractor: _____
 Product: 4'-0" Diameter Circular Slab
 scale date dwn. by dwg. no.
 NONE 4/27/04 G.S.E. SL4

Type	Thickness	Access Opening	Reinforcing	Weight
Lawn	6"	One Or Two	#4 @ 8"oc Both Ways	3770
Traffic	8"	One Or Two	#4 @ 4"oc Both Ways	5027
Bottom	6"	None	#4 @ 12"oc Both Ways	3770

Notes

Concrete 4000 PSI @ 28 Days
 Rebar ASTM A-615 Grade 60
 Welded Wire Fabric ASTM A-185
 Traffic Slab AASHTO H-20 Loading



Access Opening As Required - Provide Diagonal Bars E.S. of Opg
 24" Diameter Standard

PLAN

SECTION

COASTAL PIPELINE
 (931) 369-4000 PRODUCTS CORP.
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____
 Contractor: _____

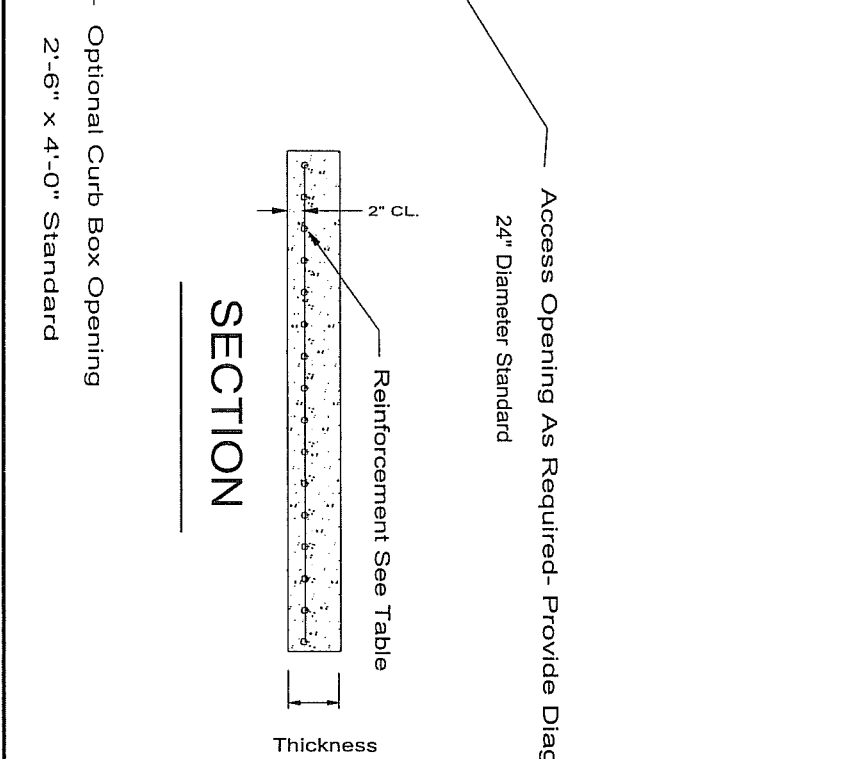
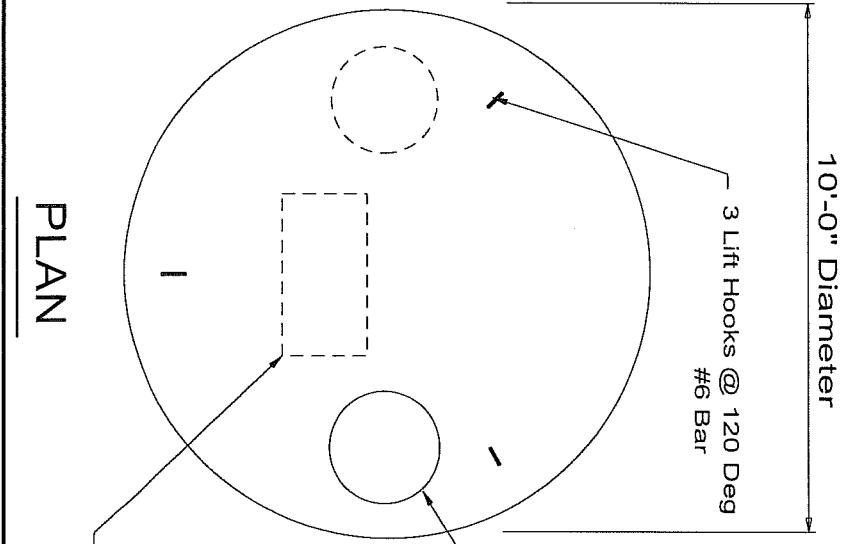
Product: 8'-0" Diameter Circular Slab

scale	date	dwn. by	dwg. no.
NONE	4/27/04	G.S.E.	SL8

Type	Thickness	Access Opening	Reinforcing Rebar or Equiv. W.W.F.	Weight
Lawn	8"	One or Two	#4 @ 6"oc Both Ways	7854
Traffic	8"	One or Two	#5 @ 6"oc Both Ways	7854
Bottom	8"	None	#4 @ 12"oc Both Ways	5890

Notes

Concrete 4000 PSI @ 28 Days
 Rebar ASTM A-615 Grade 60
 Welded Wire Fabric ASTM A-185
 Traffic Slab AASHTO H-20 Loading



COASTAL PIPELINE
 (631) 369-4000 PRODUCTS CORP.
 P.O. Box 575, Twomey Ave., Calverton NY 11933

Project: _____
 Contractor: _____

Product: 10'-0" Diameter
 Circular Slab

scale	date	dwn. by	dwg. no.
NONE	4/27/04	G.S.E.	10SL

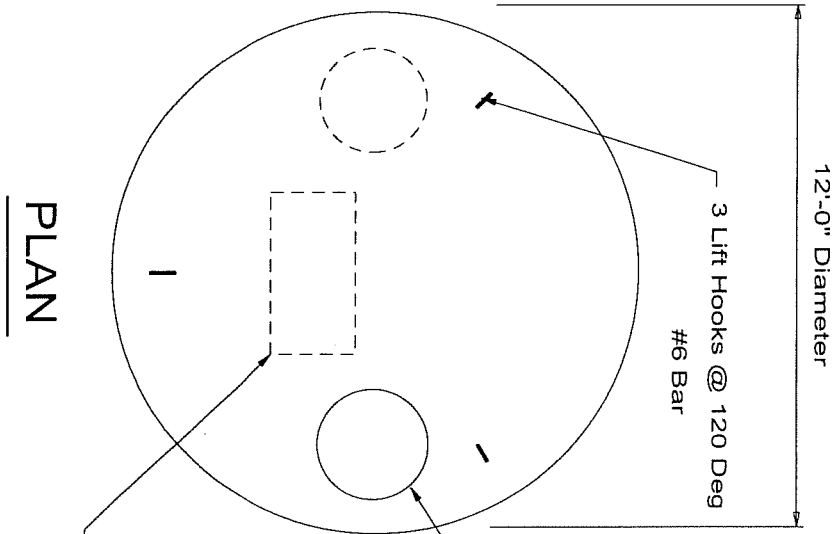
PLAN

SECTION

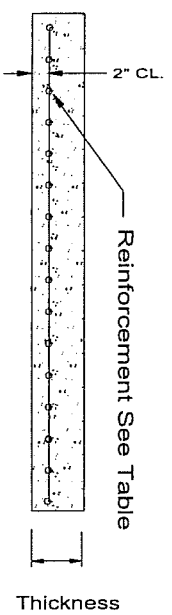
Type	Thickness	Access Opening	Reinforcing Rebar or Equiv. W.W.F.	Weight
Lawn	8"	One or Two	#4 @ 6"oc Both Ways	11,310
Traffic	10"	One or Two	#5 @ 6"oc Both Ways	14,137
Bottom	10"	None	#4 @ 12"oc Both Ways	8482

Notes

Concrete 4000 PSI @ 28 Days
 Rebar ASTM A-615 Grade 60
 Welded Wire Fabric ASTM A-185
 Traffic Slab AASHTO H-20 Loading



PLAN



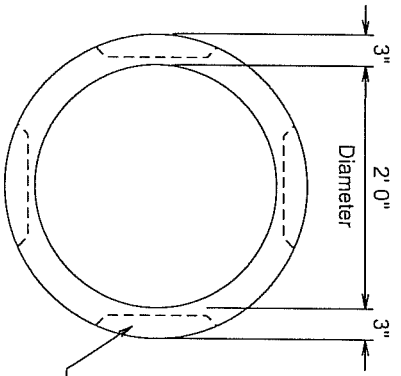
SECTION

Access Opening As Required- Provide Diagonal Bars E.S. of Opg
 24" Diameter Standard

Optional Curb Box Opening
 2'-6" x 4'-0" Standard

F:\DC\RING\Slab.dcd

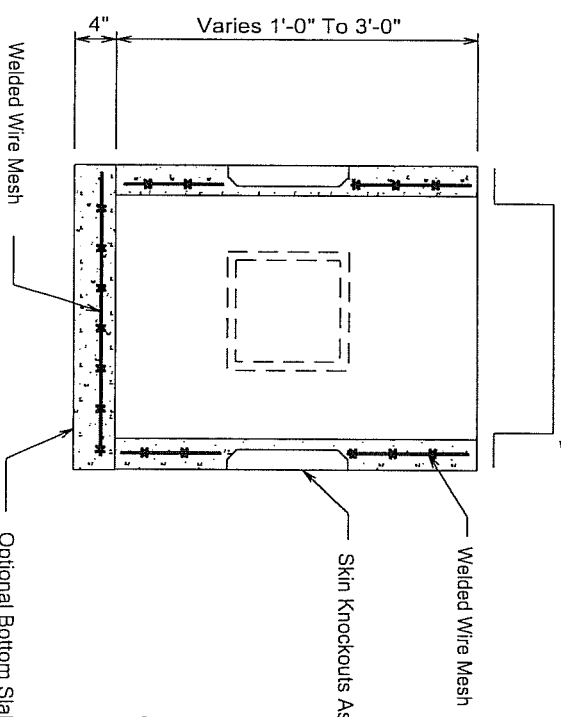
COASTAL PIPELINE (631) 369-4000 PRODUCTS CORP. P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: 12'-0" Diameter Circular Slab			
scale	date	dwn. by	dwg. no.
NONE	4/27/04	G.S.E.	12SL



Plan

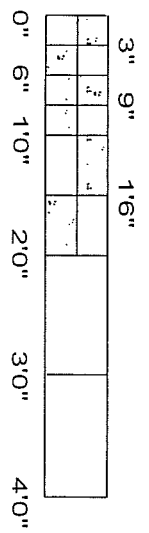
Skin Knockouts As Required

Frame & Grate Or Cover Bricked To Grade By G.C. In Field



Section

Optional Bottom Slab



SCALE

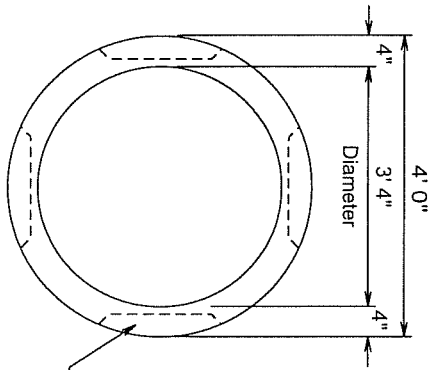
Specifications

Concrete- 4000 psi @ 28 Days

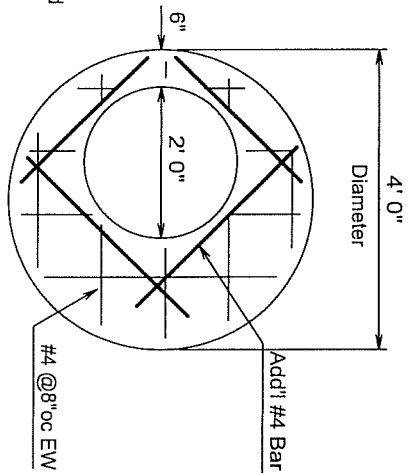
Welded Wire Mesh- ASTM A-185

F:\DC\RING\2DI.dcd

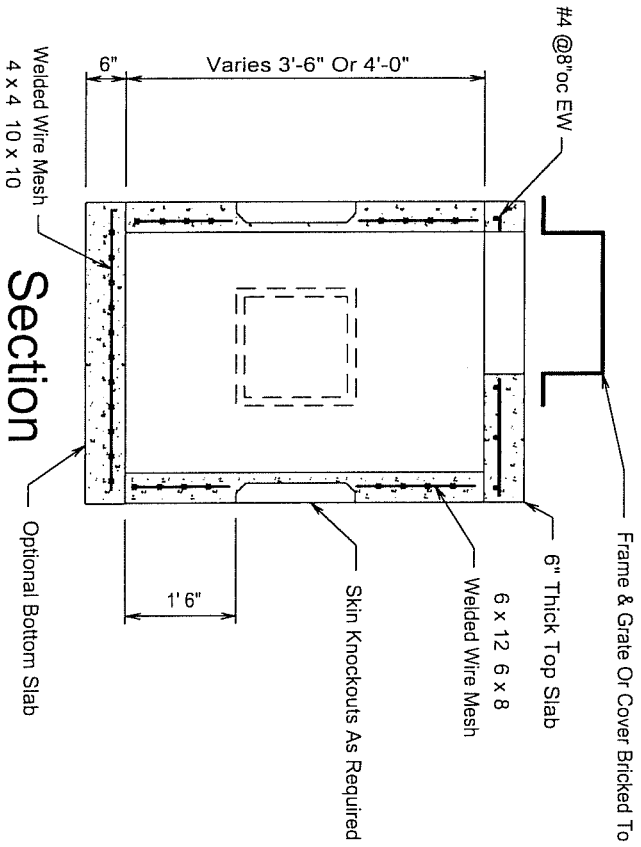
COASTAL PIPELINE			
(631)368-4000 PRODUCTS CORP.			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: 24" Diameter Drain Inlet			
scale	date	dwn. by	dwg. no.
As-Noted	4/29/04	G.S.E.	2DI



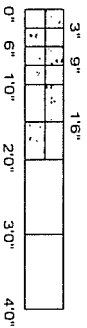
Plan



Top Slab



Section



SCALE

Specifications

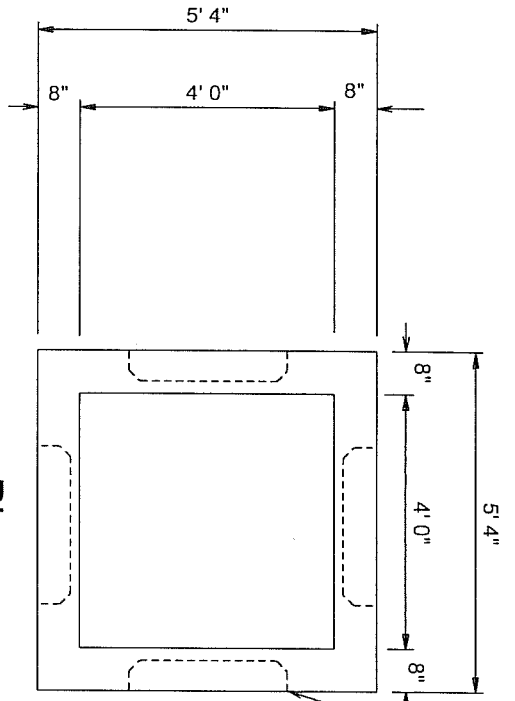
Concrete- 4000 psi @ 28 Days
 Rebar- ASTM A-615 Grade 60
 Welded Wire Mesh- ASTM A-185
 Design Load- A.A.S.H.T.O. HS20 Loading

COASTAL PIPELINE PRODUCTS CORP.
 (631)369-4000
 P.O. Box 575, Twomey Ave., Calverton NY 11933

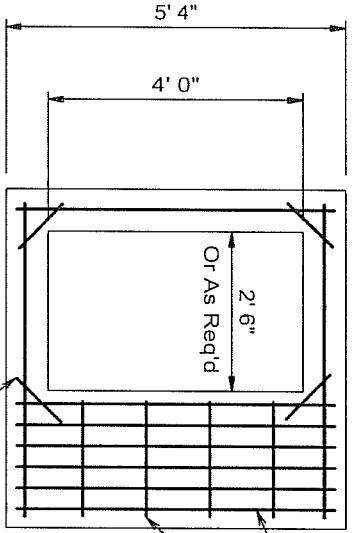
Project:
 Contractor:

Product: 48" Outside Diameter Area Drain

scale	date	dwn. by	dwg. no.
As-Noted	4/29/04	G.S.E.	4AD



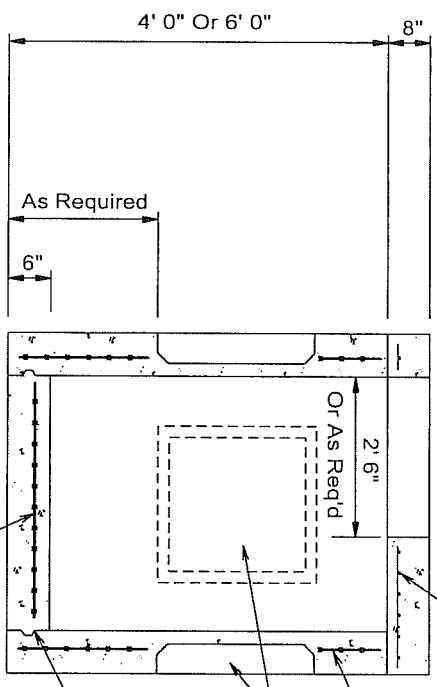
30"x30" Skin Knockouts
As Required



Frame & Grate Bricked To Grade By GC In Field

Plan

Top Slab



Section

6/6 x 4/4 Welded Wire Mesh
Keyway All Around

30"x30" Skin Knockouts
As Required

6/6 x 4/4 Welded Wire Mesh

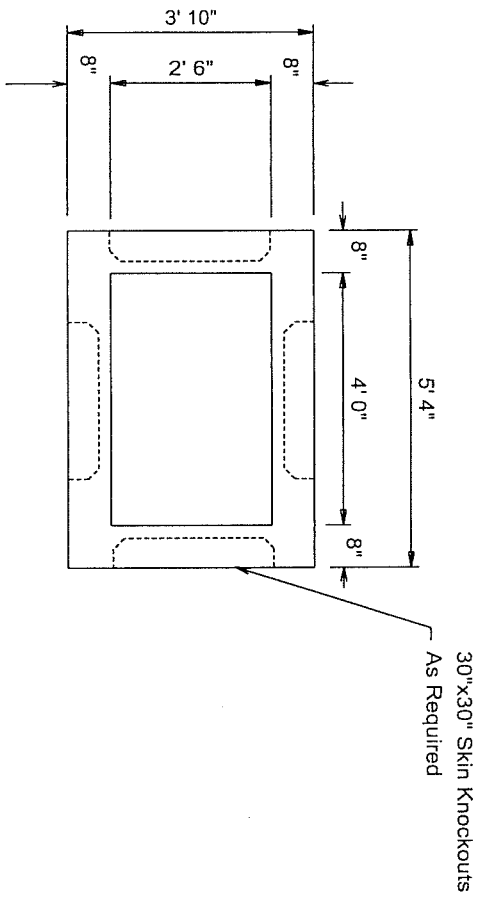
#5 @ 4" oc

Specifications

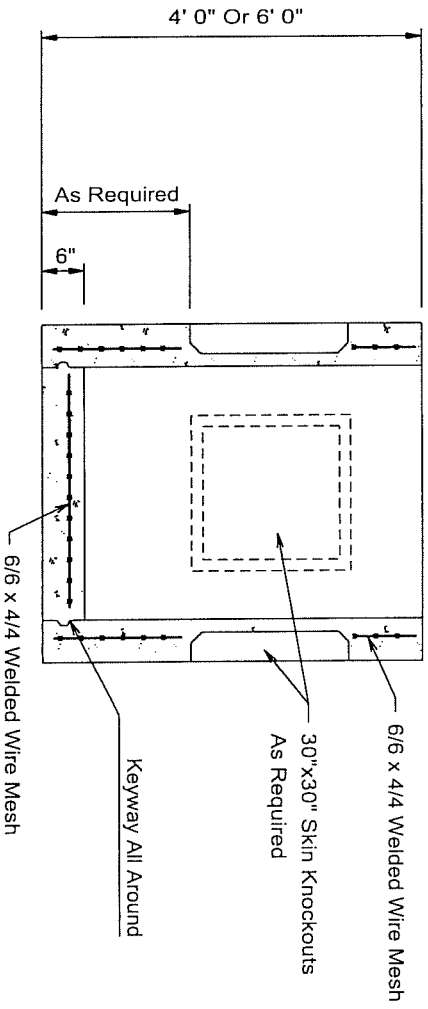
- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- Welded Wire Mesh- ASTM A-185

F:\DCIBOX\Skobox.dcd

COASTAL PIPELINE PRODUCTS CORP.			
(631)369-4000			
P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: Precast Concrete Skin Knockout Catch Basin			
scale	date	dwn. by	dwg. no.
As Noted	4/29/04	G.S.E.	SKOBOX



Plan
Frame & Grate Bricked To Grade By GC In Field



Section

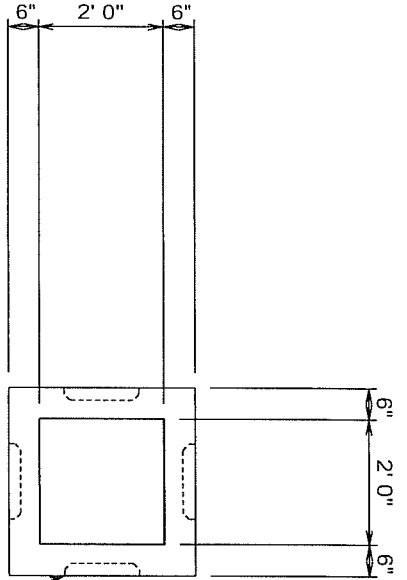
Specifications

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- Welded Wire Mesh- ASTM A-185

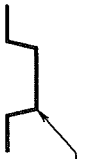
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COASTAL PIPELINE
 (631)369-4000 PRODUCTS CORP.
 P.O. Box 575, Twomey Ave., Calverton NY 11933

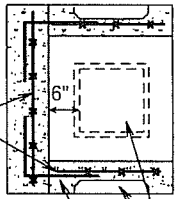
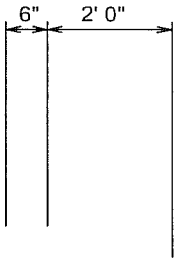
Project:			
Contractor:			
Product: Precast Concrete Skin Knockout Catch Basin			
scale	date	dwn. by	dwg. no.
As Noted	4/29/04	G.S.E.	SKOBOX



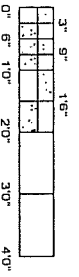
Plan



Frame & Cover/Grate Furnished & Installed By GC In Field



Section

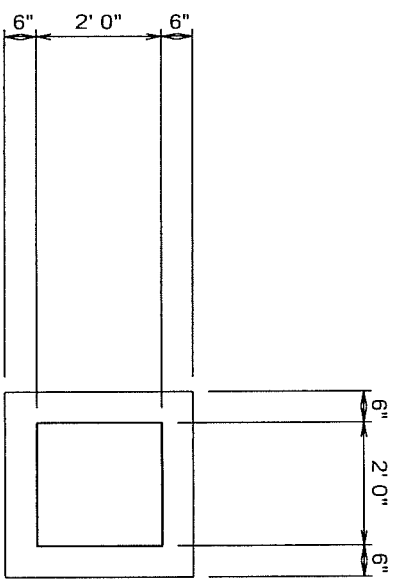


Specifications

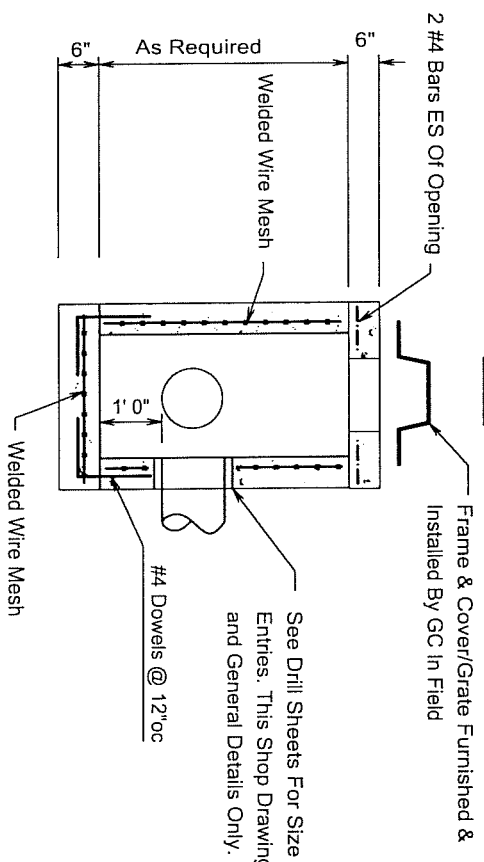
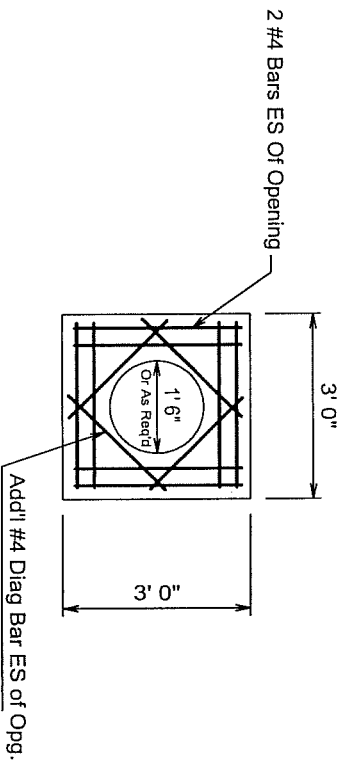
- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- Welded Wire Mesh- ASTM A-185

F:\DC\BOX\Yd-6.dcd

COASTAL PIPELINE PRODUCTS CORP. (631)369-4000 P.O. Box 575, Twomey Ave., Calverton NY 11933			
Project:			
Contractor:			
Product: Precast Concrete Yard Drain			
scale	date	dwn. by	dwg. no.
As-Noted	9/23/03	G.S.E.	YD-6

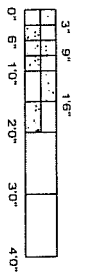


Plan



Section

See Drill Sheets For Size and Location of Pipe Entries. This Shop Drawing is for Reinforcement and General Details Only.



SCALE

Specifications

- Concrete- 4000 psi @ 28 Days
- Rebar- ASTM A-615 Grade 60
- Welded Wire Mesh- ASTM A-185

F:\DC\BOX\Yd-2.dcd

<p>COASTAL PIPELINE (631)369-4000 PRODUCTS CORP. P.O. Box 575, Twomey Ave., Calverton NY 11933</p>			
Project:			
Contractor:			
Product: Precast Concrete Yard Drain			
scale	date	dwn. by	dwg. no.
As-Noted	4/29/04	G.S.E.	YD-2

