Contact Information

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Operations Manager

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E-mail: donraymond@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

“Concrete Proof of Excellence Since 1988”
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REINFORCED CONCRETE PIPE 42" - 72"
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TEMPORARY CONCRETE MEDIAN BARRIER END SECTION

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NYC DEP PRECAST CONCRETE 12" VALVE CHAMBER
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PRECAST CONCRETE BOX SEWER ROOF SLABS
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ELECTRICAL & UTILITY STRUCTURES
PRECAST CONCRETE LIGHT POLE FOUNDATIONS
PRECAST LIGHT POLE FOUNDATIONS & CONTROL CABINET FOUNDATIONS
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PRECAST CONCRETE DB-6 DISTRIBUTION BOX
PRECAST CONCRETE 8'X8' TRANSFORMER PAD
PRECAST CONCRETE TERMINAL CABINET PAD
PRECAST CONCRETE ELECTRICAL MANHOLES 90"X60"X66" ID
PRECAST CONCRETE PEDESTAL FOR CONTROL CABINET

DWG #
RCP-1
RCP-2
CP 102
TEMP BARR
BARR-ES
6VL
4BO
12VLCH
20VLCH
NC-ACB
NC-AModCB
NC-ATYC
NC-CModCB
NC-1CB
NC-1MCB
NC-DX/FXCB
TOB-DCC
TOB-CDCB
TOB-DACB
PAINLET
PAIICB
PAIIICB
PAIVCB
PAIIIMH
PAAMH
PA-AIRMH
PAE-A_Air
PAIICB
04-044A
04-057F
WINGWALL
03-027G
02-402A-1
02-402B-1
04-009S
02-605A
93-295A
93-288A
93-239A
93-089A
TRAN-PAD
03-085A
03-085A
93-169A
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**DESCRIPTION (INSIDE DIMENSIONS)**

<table>
<thead>
<tr>
<th>Description</th>
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<tr>
<td>PRECAST CONCRETE CABLE MANHOLE</td>
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<td>PRECAST CONCRETE TELEPHONE MANHOLE</td>
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<td>PRECAST CONCRETE VALVE PIT W/ LINK SEALS</td>
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<td>PRECAST CONCRETE DOUBLE CHECK VALVE VAULT</td>
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<td>PRECAST CONCRETE RPZ PIT</td>
<td>01-043A</td>
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<tr>
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## SANITARY & DRAINAGE MANHOLES

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<tr>
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<td>SC-5DR</td>
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<td>NC4SA</td>
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<td>NC5ST</td>
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<td>NC6DDSA</td>
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## DRAINAGE RINGS, SLABS & DOMES

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<td>SA8</td>
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<tr>
<td>PRECAST CONCRETE 100&quot; DIAMETER SANITARY RING</td>
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<tr>
<td>PRECAST CONCRETE 80&quot; DIAMETER STORM RING</td>
<td>ST8</td>
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<tr>
<td>PRECAST CONCRETE 100&quot; DIAMETER STORM RING</td>
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<tr>
<td>PRECAST CONCRETE 120&quot; DIAMETER STORM RING</td>
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<tr>
<td>PRECAST CONCRETE 40&quot; DIAMETER SOLID RING</td>
<td>SO4</td>
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<tr>
<td>PRECAST CONCRETE 80&quot; DIAMETER SOLID RING</td>
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<td>SO12</td>
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<td>PRECAST CONCRETE 40&quot;, 88&quot;, 100&quot;, 120&quot; CIRCULAR FOOTING</td>
<td>FTG</td>
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<td>PRECAST CONCRETE SEPTIC TANK</td>
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<td>HDM</td>
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<td>PRECAST CONCRETE SOLID WALL LOW DOME</td>
<td>LDM</td>
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<td>PRECAST CONCRETE 80&quot; DIAMETER CIRCULAR SLAB</td>
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<td>PRECAST CONCRETE 120&quot; DIAMETER CIRCULAR SLAB</td>
<td>SL12</td>
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## YARD DRAINS, SKIN KNOCKOUT BOXES, AREA DRAINS

<table>
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<th>Description</th>
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<tr>
<td>PRECAST CONCRETE 24&quot; DIAMETER DRAIN INLET</td>
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<td>PRECAST CONCRETE 48&quot; OUTSIDE DIAMETER AREA DRAIN</td>
<td>4AD</td>
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<tr>
<td>PRECAST CONCRETE 40&quot;X40&quot; ID SKIN KNOCKOUT CATCH BASIN</td>
<td>SKOBOX</td>
</tr>
<tr>
<td>PRECAST CONCRETE 26&quot;X40&quot; ID SKIN KNOCKOUT CATCH BASIN</td>
<td>SKOBOX</td>
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<tr>
<td>PRECAST CONCRETE 20&quot;X20&quot; ID YARD DRAIN</td>
<td>YD-6</td>
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<tr>
<td>PRECAST CONCRETE 20&quot;X20&quot; ID YARD DRAIN W/ TOP SLAB</td>
<td>YD-2</td>
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</tbody>
</table>
Notes:

- Concrete:
  - Type DM Only
  - Type DM Only

- Rebar:
  - 6" x 6.4" Welded Wire Mesh
  - 2" x 6" Top Steel
  - 6" x 5.5" Horizontal Reinforcement

- Dimensions:
  - 6" x 6.4" x 5.4"
  - 8" x 8" x 5.4"

- Wall Height Varies See Drill Sheets

- Concrete at Grade: 400 psi @ 28 days

- Steel:
  - 2# 5.0" X 1.9" T
cs

- Dimensions:
  - 8" x 8" x 5.4"
Section

Detail and General Details of Pipe Entries. The Shop Drawing is for the detail sheets for size and location.

Concrete: 4000 psi @ 28 Days

Rebar: ASTM A-615 Grade 60

Welded Wire Mesh- ASTM A-185

Specications
Section A-A

Elevation

Installation in Formed Pipe Holes

GC to Ground Pipe in Field After

Plan

#4 1/2" x 6 EW Welds

Notes

Refer ASTM A-615 Grade 60
Concrete 4000 psi @ 28 days

SCALE
Specifications

Footings

Lift Hooks

45° Angle TyP. 4

Top Slab

Wall Slab

500 kVA Transformer

Removed for Larger Transformer

2” Skin Knockout to Be

2” Skin Knockout Area

#5 @ 10’ OC EW No Reinforcement in

Scale
Coastal Pipeline

Section B-B

Section A-A

Elevation

Plan

Notes

Main Bars @ 8, 6c
3/4" Diameter

Wash 1/2" Wide

Concrete Ruby Red Finish

All Around

3/4" Chamber

Control Column Supplied by E.C. Cast into Pedestal

Control Column Supplied by E.C. Cast into Pedestal

#4 Bars @ 6c

Concrete 4000 psi @ 26 days

Red ASTM A-615 Grade 60

Permission by Coyote Product Corp.
Specifications

Top Slab

2 Addl #5 Bars ES Corner

#5 @ 4,000 EW

2 Addl #5 Bars ES of OP

#5 @ 4,000 EW

Bottom

#5 @ 4,000 EW

2 Addl #5 Bars ES of OP

#5 @ 4,000 EW

Section

2 #5 Bars Continuous

Concrete/Slab Floor By

t #5 Dowels @ 12" cc

Veins, Fill, Insulation, Piers

#4 @ 6,000 EW

Access Hatch, Curb into Top Slab

#5 @ 4,000 EW

48" x 48" Aluminum

1/4" CI Tyd

1/4" CI Tyd

Graphite Stone Fill By

t 20'

4.0

6.0

8.0

Top Slab

3/8" CI Tyd

6.0

8.0

8.0

1/4" CI Tyd

1/4" CI Tyd

6.0

4.0

Coastal Pipeline

Product: Prestress Concrete RPZ

Contractor: Bunker Construction Corp.

Project: Sports Club Swansea NY

P.O. Box 572, Tonawanda, NY 14150

COASTAL PIPELINE

Note: All dimensions in feet.

For more information, please refer to the manufacturer's instructions or contact the supplier.

Read ASTM A-115 Grade 60 Concrete - 400 psi @ 28 days.
Specifications:

1. Concrete Mix Design (6000 P.S.L):
   - Water: 330 gal (Dir. Wt. = 0.47)
   - Sand: 1100 lb
   - Cement: 755 lb

2. Finger Joint Space = 4 in

   - 1200 p.s.i. Vertical A.A. T.M.: 4 tons
   - 6000 p.s.i. Vertical A.A. T.M.: 4 tons


5. See Other Sheets For Size & Location of Pipe

6. Finish Mixed Concrete, Min. 3. Note: 7.5 cu. ft of Water or Mixing

7. For Preformed Concrete Manholes

8. Reinforcement and General Details Only

9. See Other Sheets For Size & Location Of Pipe

10. Base Section

11. Plan

12. Section A-A

13. Top View

14. Section B-B

15. Section C-C

16. Section D-D

17. Section E-E

18. Section F-F

19. Section G-G

20. Section H-H

21. Section I-I

22. Section J-J

23. Section K-K

24. Section L-L

25. Section M-M

26. Section N-N

27. Section O-O

28. Section P-P

29. Section Q-Q

30. Section R-R

31. Section S-S

32. Section T-T

33. Section U-U

34. Section V-V

35. Section W-W

36. Section X-X

37. Section Y-Y

38. Section Z-Z

39. Section AA

40. Section BB

41. Section CC

42. Section DD

43. Section EE

44. Section FF

45. Section GG

46. Section HH

47. Section II

48. Section JJ

49. Section KK

50. Section LL

51. Section MM

52. Section NN

53. Section OO

54. Section PP

55. Section QQ

56. Section RR

57. Section SS

58. Section TT

59. Section UU

60. Section VV

61. Section WW

62. Section XX

63. Section YY

64. Section ZZ

65. Section AAA

66. Section BBB

67. Section CCC

68. Section DDD

69. Section EEE

70. Section FFF

71. Section GGG

72. Section HHH

73. Section III

74. Section JJJ

75. Section KKK

76. Section LLL

77. Section MMM

78. Section NNN

79. Section OOO

80. Section PPP

81. Section QQQ

82. Section RRR

83. Section SSS

84. Section TTT

85. Section UUU

86. Section VVV

87. Section WWW

88. Section XXX

89. Section YYY

90. Section ZZZ

91. Section AAAA

92. Section BBBB

93. Section CCDD

94. Section EEFF

95. Section GGGG

96. Section HHHH

97. Section IIII

98. Section JJJJ

99. Section KKKK

100. Section LLLL

101. Section MMMM

102. Section NNNN

103. Section OOOO

104. Section PPPP

105. Section QQQQ

106. Section RRRR

107. Section SSSS

108. Section TTTT

109. Section UUUU

110. Section VVVV

111. Section WWWW

112. Section XXXX

113. Section YYYY

114. Section ZZZZ

115. Section AAAA

116. Section BBBB

117. Section CCDD

118. Section EEFF

119. Section GGGG

120. Section HHHH

121. Section IIII

122. Section JJJJ

123. Section KKKK

124. Section LLLL

125. Section MMMM

126. Section NNNN

127. Section OOOO

128. Section PPPP

129. Section QQQQ

130. Section RRRR

131. Section SSSS

132. Section TTTT

133. Section UUUU

134. Section VVVV

135. Section WWWW

136. Section XXXX

137. Section YYYY

138. Section ZZZZ

139. Section AAAA
Specifications

Top Slab

#6 @ 600 CF 16" ea.

Section

Base Section

1.10 To 5'-6"

10'-6" To 5'-0"

As = 1.1 sq ft

10'-0" To 5'-0"

16'-0"

Pipes Etc., Tied To 3'-5"

10'-0" To 5'-0"

Pipes Etc., Tied To 3'-5"

10'-0" To 5'-0"

Pipes Etc., Tied To 3'-5"

10'-0" To 5'-0"

Pipes Etc., Tied To 3'-5"

10'-0" To 5'-0"

Pipes Etc., Tied To 3'-5"

10'-0" To 5'-0"

Pipes Etc., Tied To 3'-5"
Project: Trench 77 - Die Pressure Concrete Manhole

Specifications:

1. Concrete Mix Design (5600 P.S.I.)
2. Reinforcement & Embedment (2%)
3. Loading = 10.5 kips/ft²
4. Wind: 88 mph, 70 mph, 40 mph
5. All Sections
6. Dimensions: A = 11.5 ft²
7. Conductor: 1.25" HDPE
8. Section A-A
9. Plan and Elevation

At the top slab:
- 12" of #5 @ 12.000 E.R.
- 6" of #6 @ 12.000 E.R.
- 1/2" of #12.000 E.R.

At the base:
- 10" Typ.
- 12" Typ.
- 12" Typ.

Welded Wire Mesh:
- 12" Typ.
- 12" Typ.
- 12" Typ.

To be used only in spreading.
Specifications

Design load - AASHTO H20 loading

Fp = 56,000 psi

Weight with material ASTM A195

Ft = 60,000 psi

Rebar - ASTM A1015 Grade 60

Concrete - 4000 psi @ 28 Days
Specifications:

Design load: ASHRAE 15-98 loading

- F = 3500 psi
- Weight of manhole: 3500 lbs

Rebars: ASTM A 615 Grade 60
Concrete: 4000 psi @ 28 days

Pipe:
- Rubber joint seal type all joints
- 1/2" C.I.

Welded wire mesh

Section A-A:
- 7" Diameter
- 2.2" Diameter
- 7" Diameter

Stairs @ 12"c.e.
- Steps @ 12" c.e.
- Section B-B
- 6" c.e. to 5-0" Riser Section
- 3-8" to 6-8" Base Section

Plan:
- 12" Typh
- #5 @ 12" c.e.
- #5 Doweled x 4-5" @ 12" c.e. Rad.
- Bury rubber joint seal type all joints

Detail for Existing Pipe:
- 2" x 2" 0.75" wall
- 3" x 1.25" 0.75" wall
- 3" x 2" 0.75" wall
- 2" x 1.25" 0.75" wall

Approved Equal:
- 1/2" Galvanized M.A. Industries or
- 1/2" HDPE COIL 200' Max. x 20' Min. Priced by the Foot

Applicable Equal:
- 1/2" Galvanized M.A. Industries or
- 1/2" HDPE COIL 200' Max. x 20' Min. Priced by the Foot

Coastal Pipeline

Project: 77" Dia. Press Concrete Manhole

Contractor:

Owner:

P.O. Box 767, Towne Ave., Calverton NY 11933
(631) 789-4009 PRODUCTS CORP.
Section

Plan

Height

8.0" Diameter

Notes

Detail Drain Opening

<table>
<thead>
<tr>
<th>Weight (lbs)</th>
<th>Welded Wire Mesh</th>
<th>Angle</th>
<th>Size (in)</th>
<th>Fire Clay</th>
<th>Drain Wall Area</th>
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<tbody>
<tr>
<td>4491</td>
<td>6.0 x 12.0 x 8</td>
<td>126</td>
<td>1/2 x 16</td>
<td>144</td>
<td>100.5 sq ft</td>
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<td>2246</td>
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<td>1/2 x 16</td>
<td>124</td>
<td>75.3 sq ft</td>
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<td>118</td>
<td>1/2 x 16</td>
<td>125</td>
<td>75.3 sq ft</td>
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Concrete: 4000 psi @ 28 Days
Welded Wire Mesh Reinforcement
## Section

#### Product: 10-0" Diameter

### Notes

- Welded Wire Mesh - ASTM A166
- Concrete - 4000 psi @ 28 Days

### Detail Drain Opening

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<th>Lbs.</th>
<th>Welded Wire Mesh Reinforcement</th>
<th>Angle</th>
<th>Size</th>
<th>Total</th>
<th>OI FL</th>
<th>GFL</th>
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<th>Height</th>
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<tr>
<td>6538</td>
<td>140</td>
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<td>2046</td>
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<td>3923</td>
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<tr>
<td>2531</td>
<td>140</td>
<td>1/2&quot;</td>
<td>6 X 6</td>
<td>6 X 6</td>
<td>90</td>
<td>205.1</td>
<td>4.0</td>
<td>4.0</td>
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</table>

### Plan

- Height 10.0" Diameter
- Welded Wire Mesh Reinforcement

### Table

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<th>6 X 12&quot; 5 X 8</th>
<th>1/2&quot; X 6&quot;</th>
<th>1/2&quot; X 6&quot;</th>
<th>1/2&quot; X 6&quot;</th>
<th>1/2&quot; X 6&quot;</th>
<th>1/2&quot; X 6&quot;</th>
<th>1/2&quot; X 6&quot;</th>
<th>1/2&quot; X 6&quot;</th>
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<td>140</td>
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<td>3923</td>
<td>2531</td>
<td>1534</td>
<td>140</td>
<td>135</td>
<td>90</td>
<td>2046</td>
<td>125.7</td>
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</tbody>
</table>

### Discussion

- The section and plan diagrams provide a visual representation of the drainage opening and its dimensions.
- The table lists the weight in pounds for different combinations of weld lengths and sizes, along with corresponding angles and total values.
- The height of the structure is 10.0" Diameter.
Section

Plan

NOTES

See Table for Quantity

Lift Hole Detail

<table>
<thead>
<tr>
<th>Weight</th>
<th>Angle</th>
<th>Size</th>
<th>Total</th>
<th>Gals</th>
<th>Cu Ft</th>
<th>Sq Ft</th>
<th>Pipe</th>
<th>Wall Thickness</th>
<th>Height</th>
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<tr>
<td>Lbs.</td>
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<tr>
<td>Reinforcement</td>
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<td></td>
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**Notes**

See Table for Quantity

<table>
<thead>
<tr>
<th>Lift Hole Detail</th>
<th>Weight</th>
<th>Welded Wire Mesh</th>
<th>Reinforcement</th>
<th>Angle</th>
<th>Size</th>
<th>Tool</th>
<th>Cuts</th>
<th>FL</th>
<th>Height</th>
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<tr>
<td>Lbs.</td>
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<td>140</td>
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</table>
Rebar: ASTM A-615 Grade 60
Concrete: 4000 PSI @ 28 days

<table>
<thead>
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<th>Weight</th>
<th>Reinforcement</th>
<th>Thickness</th>
<th>Width</th>
<th>Diameter</th>
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<tbody>
<tr>
<td>4471</td>
<td>2 #5 Bars</td>
<td>10&quot;</td>
<td>16&quot;</td>
<td>12-0&quot;</td>
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<tr>
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<td>2 #5 Bars</td>
<td>8&quot;</td>
<td>16&quot;</td>
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<td>1875</td>
<td>2 #5 Bars</td>
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<td>10&quot;</td>
<td>8-0&quot;</td>
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<td>624</td>
<td>2 #4 Bars</td>
<td>6&quot;</td>
<td>10&quot;</td>
<td>4-0&quot;</td>
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Notes:

Outside Diameter
Welded Wire Fabric ASTM A-185
Rebar ASTM A-615 Grade 60
Concrete 4000 PSI @ 28 Days

Notes

<table>
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<tr>
<th>Weight (lbs)</th>
<th>Reinforcement</th>
<th>Internal Volume</th>
<th>Access Opening</th>
<th>Height</th>
<th>Diameter</th>
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<tbody>
<tr>
<td>5062</td>
<td>1 #3 Top &amp; 1 #4 Bolt</td>
<td>100.6</td>
<td>24”</td>
<td>3.8”</td>
<td>8.0”</td>
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<tr>
<td>3038</td>
<td>1 #4 Top &amp; 1 #4 Bolt</td>
<td>427</td>
<td>24”</td>
<td>3.0”</td>
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Diameter: 10.0”
Traffic Sled: ASHTO H-20 Loading

Welded Wire Fabric: ASTM A-185

Rebar: ASTM A-615 Grade 60

Concrete: 4000 PSI @ 28 Days

Notes:

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<th>Label</th>
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<td>1/4&quot;</td>
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</tr>
</tbody>
</table>

The diagram shows a section and plan view of a structure with dimensions and annotations regarding reinforcement and access openings. The table provides a summary of the volume and weight for various size rebar elements.
PLAN

SECTION

Traffic Slab AASHTO H-20 Loading

Welded Wire Fabric ASTM A-185

Rebar ASTM A-615 Grade 60

Concrete 4000 PSI @ 28 Days

| Notes |

<table>
<thead>
<tr>
<th>SLA</th>
<th>4.0750</th>
<th>G-E</th>
<th>NONE</th>
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</table>
| scale | Ø
| Product: 4.0" Diameter |
| Concentric |
| Project: |
| P.O. Box 875, Twenty Ave., Carverin, NY 1138 |
| 0.1 (35) 895-000 Products Corp. |

| Thickness |

Reinforcement See Table

24" Diameter Standard

Access Opening As Required. Provide Diagonal Bars 1.5 of OPG

3 LR Hooks @ 120 Deg

4.0"
Traffic Slab: AASHTO H-20 Loading

Welded Wire Fabric: ASTM A-185

Rebar: ASTM A-615 Grade 60

Concrete: 4000 PSI @ 28 Days

<table>
<thead>
<tr>
<th>Layer</th>
<th>#4 or #6 or Both Ways</th>
<th>#8 or Both Ways</th>
<th>#4 or #8 or Both Ways</th>
<th>#4 or #8 or Both Ways</th>
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</thead>
<tbody>
<tr>
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<td>Traffic</td>
<td>Lawn</td>
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<tr>
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<td>One or Two</td>
<td>6&quot;</td>
<td>Traffic</td>
<td>Lawn</td>
</tr>
</tbody>
</table>

Reinforcing: Weight

Access Opening: Thickness

Notes

24" Diameter Standard

Access Opening as Required: Provide Diagonal Bars E.S. of Opg

Optional Cup Box Opening

2-6" x 4-0" Standard

Dependence on Table
<table>
<thead>
<tr>
<th>Material</th>
<th>Code</th>
<th>Notes</th>
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<tr>
<td>Concrete</td>
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<td>@ 28 Days</td>
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<td>Welded Wire Fabric ASTM A-185</td>
<td>Rebar ASTM A-615 Grade 60</td>
<td>Traffic slab AASHO H-20 Loading</td>
</tr>
</tbody>
</table>

### Notes

- **Plan**: Optional curb box opening
- **Section**: Reinforcement see Table
- **Thickness**: 2-3/4 Diameter Standard
- **Access Opening**: As Required - Provide diagonal bars E.S. of OPQ
- **#6 Bar**: 3 L/H hooks @ 120 deg
- **#6 Bar**: @ 120 Deg
- **10-0” Diameter**
Specifications

- Scale

<table>
<thead>
<tr>
<th>0.0</th>
<th>1.0</th>
<th>2.0</th>
<th>3.0</th>
<th>4.0</th>
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</thead>
<tbody>
<tr>
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</tbody>
</table>

- Welded Wire Mesh - ASTM A-185
- Concrete- 4000 psi @ 28 days

Section:
- Optional Bottom Slab
- Welded Wire Mesh
- Skin Knuckles As Required
- Frame & Gate To Cover Slab To Grade By G.C. In Field

Plan:
- Skin Knuckles As Required
- Diameter 2.0" - 2.5"
Section

- Welded Wire Mesh
- Rebar ASTM A-615 Grade 60
- Concrete 4000 psi @ 26 Days

Specifications

Plan

- Skin Knockouts as Required
- Concrete Cover: Furnished & Installed by GC in Field

Scale

- 1" = 2' 0"
Welded Wire Mesh - ASTM A-185
Rebar - ASTM A-615 Grade 60
Concrete - 4000 psi @ 28 days

Specifications

Add'l #4 dia. bar ES of OP

2 #4 bars ES of opening

 dissipates by GC in field

See Drill Sheets for Size and location of Pipe

and General Details Only.

Framed A Cover are Furnished  &

#4 Dowels @ 12 oc

Welded Wire Mesh

As Required

Section

Plan