



SECTION A-A

SEE CONSTRUCTION NOTES
ON REVERSE SIDE

ORG. BY MRC
3/11/05
APPROVED

**PRECAST CONCRETE
ELECTRIC SECONDARY HANDHOLE**

GROTON UTILITIES

CONSTRUCTION STANDARD

E 12.215

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NOTES FOR PRECAST CONCRETE ELECTRIC SECONDARY HANDHOLE

1. Minimum distance to any structure is 48". Except when located behind single-phase transformer pad (Distance can be reduced to 24".)
(Ground must be level and unobstructed for 48")
2. Conduit size and location to be determined by Groton Utilities.
3. All conduits must be pointed to center of handhole. Conduit routing shall adhere to Groton Utilities standard **E-12.105**. All conduits shall extend 3" inside the handhole knockout. PVC conduits will be fitted with bell ends and galvanized steel conduits will be fitted with grounding bushings. All conduit openings shall be tightly sealed after installation of conduits. Bond all galvanized steel conduits inside hand hole to ground rod with a minimum of #6 AWG CU stranded bare wire (ground rod required only with steel conduits.)
4. Grading must be completed to finished grade before secondary handhole or any Groton Utilities equipment can be installed.
5. All handholes installed outside of traveled portion of roadway and within a grassed area shall be fitted with fiberglass cover embossed with manufacturers name & the word "ELECTRIC" (Supplied by Contractor) **and fastened with stainless steel bolts.**
6. All handholes installed within traveled portion of roadway shall be fitted with a metal frame and cast iron cover designed for H20 street loading with the word "Electric" cast in the cover (Supplied by Contractor.)

7. LIST OF APPROVED MATERIALS

<u>ITEM</u>	<u>CAT. #</u>	<u>MANUFACTURER</u> (See List)
Handhole	H-020	A, B, C, D
Concrete Riser Segments (4 Req. per lift)	RS 38 x 2 RS 38 x 4	A, B, C, D A, B, C, D
Cast Iron Frame & Cover	Pattern 1223 LE 326S	E F
Round Fiberglass Cover	AM-42 NDC-42	G H

8. LIST OF SUPPLIERS

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| A. Rotondo and Sons, Inc.
151 Old Farms Road
Avon, CT. 06001
(860) 673-3291 | D. United Concrete Products, Inc.
173 Church Street
Yalesville, CT 06492-2267
(203) 269-3119 | G. Advanced Material, Inc.
3 Colton Road
East Lyme, CT 06333
(860) 691-8350 |
| B. Arrow Concrete Products, Inc.
560 Salmon Brook Street
Granby, CT. 06035
(860) 653-5063 | E. Campbell Foundry Co.
P.O. Box 515
14 Massimo Drive
North Haven CT. 06473
(203) 288-7584 | H. WESCO
178 Wallace Street
New Haven, CT 06508
(800) 227-9169 |
| C. Elmcap Industries
111 South Street
West Hartford, CT 06110-1928
(860) 953-1060 | F. Furguson Water Works
86 Bridge Street
Groton, CT. 06340
(860) 405-0146 | |

Submit detail drawings, for approval for handhole or covers by other manufacturer.