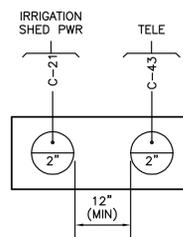
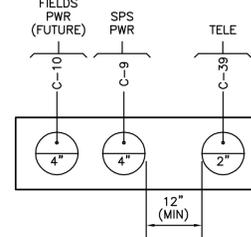


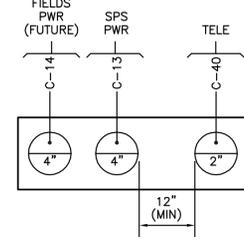
ELECTRICAL DUCTBANK SECTION 1
NOT TO SCALE E-101



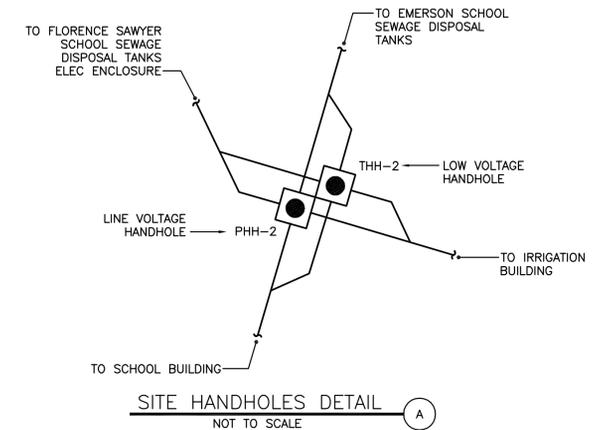
ELECTRICAL DUCTBANK SECTION 2
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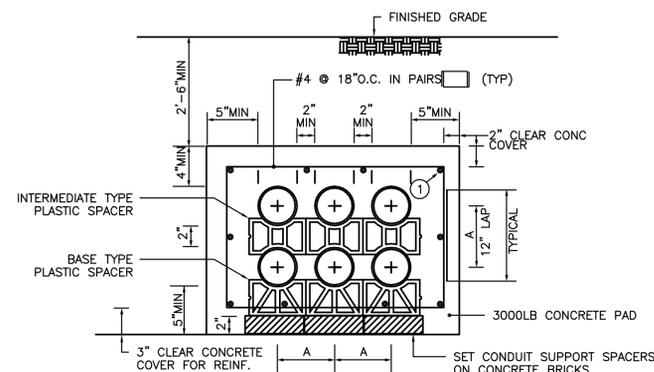
ELECTRICAL DUCTBANK SECTION 3
NOT TO SCALE E-101



ELECTRICAL DUCTBANK SECTION 4
NOT TO SCALE E-101



SITE HANDHOLES DETAIL A
NOT TO SCALE



TYPICAL DUCT BANK CONCRETE REINFORCEMENT*	
4	#6 TOP
4	#6 BOTTOM
1	#6 EACH FACE

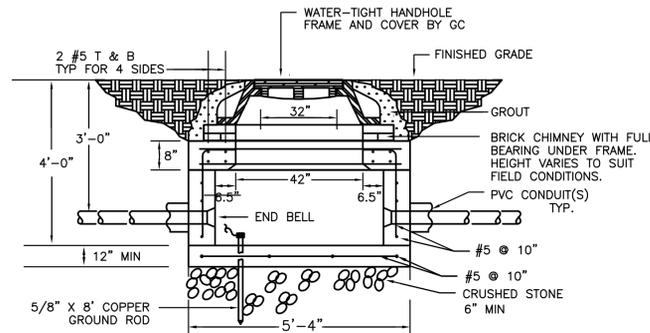
SPACING DIMENSIONS	
CONDUIT SIZE	A
2"	4 1/2"
3"	5 1/2"
4"	6 1/16"

* REFER TO BETA GROUP STRUCTURAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION CONCERNING REINFORCEMENT AND CONCRETE.

TYPICAL ELECTRICAL UNDERGROUND DUCTBANK SECTION
NOT TO SCALE

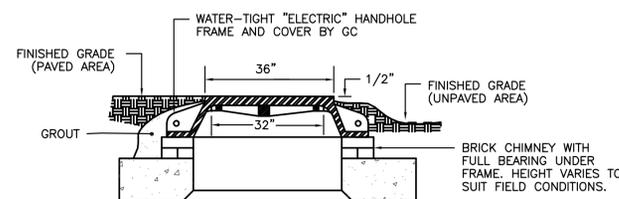
DUCTBANK NOTES

- 1) REINFORCEMENT REQUIRED UNDER ROADWAY PAVEMENT
- 2) PROVIDE EXPANSION FITTINGS PER CONCRETE SPECIFICATIONS
- 3) SAW-CUTTING, EXCAVATION, CONCRETE, BACKFILL, ETC BY GENERAL CONTRACTOR
- 4) RACEWAYS AND SPACERS BY EC

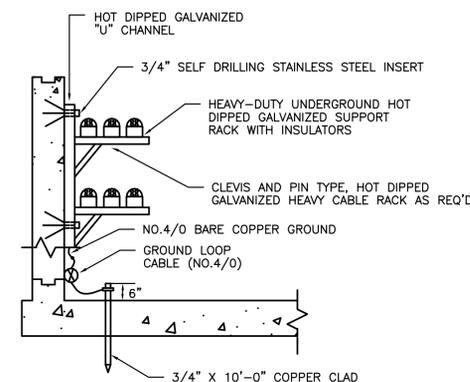


TYPICAL HANDHOLE DETAIL SECTION VIEW
NOT TO SCALE

NOTE: HANDHOLES FURNISHED AND INSTALLED BY GENERAL CONTRACTOR.

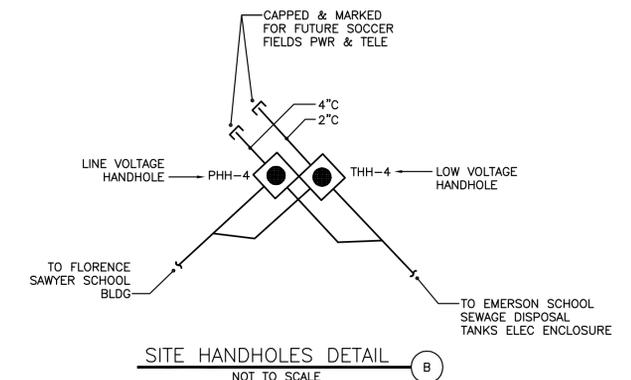


TYPICAL HANDHOLE FRAME & COVER DETAIL
NOT TO SCALE



HANDHOLE CABLES SUPPORT DETAIL*
NOT TO SCALE

*MANHOLE CABLE SUPPORTS ARE SIMILAR



SITE HANDHOLES DETAIL B
NOT TO SCALE

ELECTRICAL DRAWINGS REFERENCE NOTES

- 1) FOR SYMBOLS, ABBREVIATIONS & GENERAL NOTES, REFER TO DWG # E-1.
- 2) FOR ELECTRICAL SITE PLAN & DETAILS, REFER TO DWGS # E-2 & E-3.
- 3) FOR TANKS POWER PLANS AND DETAILS, REFER TO DWG # E-4.
- 4) FOR ELECTRICAL ENCLOSURES PLANS AND DETAILS, REFER TO DWG # E-5.
- 5) FOR PWR AND TELE SYSTEMS RISER DIAGRAMS, REFER TO DWG # E-6.
- 6) FOR ELECTRICAL DETAILS, REFER TO DWG # E-7.
- 7) FOR ELECTRICAL SCHEDULES REFER TO DWG # E-8.
- 8) FOR ELECTRICAL SPECIFICATIONS, REFER TO DWG # E-9.

GENERAL CONTRACTOR (GC) SHALL WATERPROOF (VIA BLACK MASTIC COATING) THE OUTSIDES OF ALL HANDHOLES (PRIOR TO INSTALLATION)

GENERAL CONTRACTOR (GC) HAS OPTION OF PRE-CAST OR CAST-IN-PLACE HANDHOLES

FOR SITE CONDUIT & WIRE SCHEDULE, REFER TO DWG #E-8

SITE SECTIONS & DETAILS
EMERSON & SAWYER SCHOOLS
SEWAGE DISPOSAL SYSTEM
50 MECHANIC ST. BOLTON, MASS

DWG. NO
E-3

PREPARED FOR: TOWN OF BOLTON TEL: (978) 779-2297
P.O. 278 DATE: JANUARY 13, 2005
BOLTON, MA 01740

NO.	DATE	DESCRIPTION	BY	WPE	1-13-05
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			CHECKED BY:	WPE	1-13-05

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