EFFLUENT CHANNEL

30A FUSED DISC. SW.

FESTOON CABLES

FILTER BED NO. 3

SPEAKER

M22 TRANSMITTER

BP-2
2-#14 W/1-#14 GND

120/240VAC BKR. BOX (BP-2) SEE DWG. EP-54

10KVA/1ø TR.

480VAC BKR. BOX (BP-1) SEE DWG. EP-51

MONITORING CABLES
TO EFFLUNET PARSHALL FLUME (M20)
DWG. P69 AND
TO FILTRATE PUMP STATION (M22)
DWG. P125
MANUFACTURERS SUPPLIED CABLES

1 1/2"ø

480V FROM MCC "D1A"

480V FROM MCC "D2A1"

I/O CONTROLNET CABLES
(RG6 COAX)
DWG. EP453

I/O BOX
1-(#18-2C-SHD)

BP-2
2-#14 W/1-#14 GND

TRANSMITTER (M20)

I/O BOX
1-(#18-2C-SHD)

I/O BOX DWG.EP453
& DWG. EP512

BP-2
2-#12 W/1-#14 GND

INTERCOM

AS-BUILT
9-25-03

10KVA TR.
3-#2 W/1-#8 GRD

BP-1, 480V
2-#10 W/1-#10 GRD

TRANSMITTERS
TO I/O BOX

PHONE

BP-2
2-#12 W/1-#14 GND

I/O BOX, 4-#14
1-(#18-2C-SHD)

5-5-04 △2

UV CONTROL PANEL

I/O BOX
3-(#18-2C-SHD)

SERIAL COMMUNICATION LINK (RS485)
1-SHIELDED TWISTED PAIRS (24 AWG)

BP-2
2-#8 W/1-#10 GND

HYDRAULIC SYSTEM

POWER DISTRIBUTION CENTER #2 (PDC-2)

POWER DISTRIBUTION CENTER #1 (PDC-1)

SAMPLER TUBING

△1 2"ø
4-#1/0 W/1-#6 GND

2"ø △1
4-#1/0 W/
1-#6 GND

2-2"ø △1

100A BKR. BOX
SPEC. #16470-6

30KVA,3ø TR.
SPEC #16461-3

BP-1,480V
3-#8 W/1-#10 GRD

300KVA,3ø
480/277V
PAD MOUNT TRANSF.

GROUND ROD

△1 4" PVC
4-350 MCM
W/1-#2 GRD

400A,3ø,W/NEUT.
DISC. SW. W/
300A FUSES
MAIN SW.

UV CONTROL PANEL
SPEC. #11395

2-150A,3ø,W/NEUT.
FUSED DISC. SW.
PDC SW'S #1 & #2

2-2"ø
4-#1/0 W/1-#6 GRD
4-#1/0 W/1-#6 GRD △1

2-2"ø △1

~~4-#2/0~~ 1/0 W/1-#6 GND
~~4-#2/0~~ 1/0 W/1-#6 GND
1/0 △1 AS-BUILT
9-25-03

120V OUTLET
REFRIGERATED SAMPLER
Final Effluent (#5)

PDC SW #1
150A DISC SW./
NEUT.

PDC SW #2
150A DISC
SW./NEUT.

Locate in southwestern corner of building

PERMANENT STEEL SHEETING

STONE AREA

#5

NOTES:
1. SEE CTI PROCESS DWG'S P65 THRU P68
2. WORK THIS STI DWG. WITH DWG. EP454
3. ALL CONDUIT IS 3/4"ø AS PER SPEC #16111 UNLESS NOTED.

KEY PLAN

PLAN
SCALE: 1"=4'-2"

BEITZEL TECHNOLOGIES, INC.
MASSILLON, OHIO
#4-367-7 PHONE R.J.L.

NO.	DESCRIPTIONS	DATE	BY	APP'D
3	REVISED FOR CONSTRUCTION Move Sampler	7/13/04	TSS	R.A.
		5-5-04	RJL	RJL

DESIGNED BY TSS
DRAWN BY TSS
CHECKED BY TSS
APPROVED BY R.J.L.

CTI ENVIRONMENTAL, INC.
ENGINEERS IN WATER AND EARTH SCIENCES
UNIONTOWN, OHIO

CITY OF MASSILLON, OHIO
WWTP UPGRADE 2000
TERTIARY FILTER AND UV DISINFECTION BUILDING
ELECTRICAL LAYOUT

JOB NO. E9031
DATE 04/01/03
SCALE AS NOTED
SHEET EP457-~~2~~ 3

9031SCHE457.DWG