

ADDENDUM No. 2

RFP No. 22-22

ULTRAVIOLET DISINFECTION REPLACEMENT PROJECT

Bids Due: APRIL 6, 2022 at 2:00 P.M. (Local Time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. **This Addendum includes two hundred twenty-eight (228) pages.**

Bidder is to acknowledge receipt of this Addendum No. 2, including all attachments (if any) in its Bid. Bids submitted without acknowledgment of receipt of this addendum may be considered nonconforming.

The following forms provided within the RFP document should be included in submitted bids:

- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

Bids that fail to provide these forms listed above upon bid opening may be rejected as non-responsive and may not be considered for award.

I. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the RFP. Bidders are directed to take note in their review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Question 1: Can we please obtain a copy of the PowerPoint that was presented at the March 9th Pre-proposal Meeting?

Answer 1: A copy of the PowerPoint presentation from the March 9th Pre-proposal Meeting is attached.

Question 2: Can we obtain a full set of Drawings of the existing WWTP including filtration and UV?

Answer 2: Attached are drawings of the tertiary filters and the UV system.

Question 3: Can we obtain the following plant performance data for the past 3 years: filtered effluent TSS, UVT, temperature, pH, BOD, COD, harness, calcium, magnesium, iron, and manganese?

Answer 3: The WWTP does not measure most of the requested data. Attached is available

data for final effluent TSS, pH, BOD, fecal, and hardness.

Question 4: Are drawings available for the UV process area including the bypass around this area? We are specifically interested in a site plan with yard piping/underground structures, electrical, I&C, structural, mechanical process.

Answer 4: The requested yard piping and electrical duct bank drawings are attached.

Question 5: Has the plant had issues with scaling on the existing UV system due to iron or hardness from calcium?

Answer 5: Scaling buildup on UV bulbs has not been a major problem at the Ann Arbor WWTP.

Question 6: Would it be possible to get a year's worth of water quality data for flow to UV (plant effluent), filter effluent UVT and TSS?

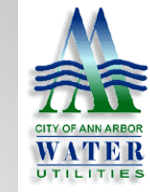
Answer 6: Water quality data for 2020 and 2021 is attached. The WWTP staff manually set the UVT which in 2021 ranged from 77 to 92 and averaged roughly 84.

Question 7: We believe the plant has the ability to dose ferric chloride prior to the secondary clarifiers. Is that the case? How often is this done? Any data of filter effluent iron concentration, dissolved and/or total?

Answer 7: The plant does not test for iron and has the capability to add ferric chloride at two locations in each secondary aeration tank prior to the final settling tanks. Ferric is used as needed to remove phosphorus and meet the NPDES permit. There are long periods of time each year when the AAO secondary treatment process removes phosphorus biologically, but effluent phosphorus levels often increase during winter months when the centrifuges are used for dewatering and centrate is recycled to the head of the plant. The high phosphorus centrate can overwhelm the AAO nutrient removal capacity. During those times, ferric may be added at 2 – 4 gph to impacted treatment trains. Typically, those times may only involve a few days at the 2 - 4 gph rate and then be reduced to a 1-2 gph rate once effluent phosphorus levels are under control. During these times, the WWTP flow is generally in the 15 to 22 mgd range.

Bidders are responsible for any conclusions that they may draw from the information contained in the Addendum.

Ultraviolet (UV) Disinfection Replacement Project – RFP 22-22





UV Replacement Project

Introductions

- Earl Kenzie - Wastewater Treatment Services Unit (WWTSU) Manager
- Keith Sanders – WWTSU Assistant Manager
- Chris Englert – WWTSU Engineer



UV Replacement Project

Project Scope & Objectives

- Update Tertiary Effluent Disinfection Equipment
- Process Alternatives Evaluation / Report
- Condition Assessment of Tankage, Etc.
- Preliminary & Final Design of Selected Alternative FY23
- Construction in FY24



UV Replacement Project

WWTP Information

- WWTP collects and treats wastewater from the City of Ann Arbor and portions of four surrounding townships
- Average Daily Design Flow is 29.5 MGD
- Daily flows generally range from 15 to 20 MGD
- The WWTP is operated and staffed 24/7/365
- Existing UV has hydraulic limit of 50+MGD

UV Deck



UV System Control Center



ATS & Power Panel



UV Electrical Disconnect



LOAD SIDE POWER DISCONNECT
POWER TRANSFORMER PT-UV-1A

LOCAL POWER DISCONNECT
UV-1A
POWER SOURCE
SUB-7/2B

UV Discharge Into Rising Well / Cascade





UV Replacement Project

- Construction Sequencing
- Maintenance of Plant Operations (MOPO)
- With EGLE approval, we may be able to temporarily bypass UV using the Secondary Effluent pumps in the Tertiary Filter Building



UV Replacement Project

Schedule

- March 25, 2022 – Bidder Questions Due
- Week of March 30, 2022 – Addenda Issued
- April 6, 2022 by 2:00 PM – Proposals Due to City

NO PROPOSALS WILL BE ACCEPTED AFTER 2:00 PM

- Hand delivered proposals may be dropped in the Purchasing drop box located in the Ann Street (north) vestibule of City Hall which is accessible 24/7
- Week of April 18, 2022 – Interview short listed firms
- July 1, 2022 – Contract Award



UV Replacement Project

Proposal Selection Criteria

- Professional Qualifications – 25 points
- Past Involvement with Similar Projects – 25 points
- Proposed Work Plan – 35 points
- Fee Proposal – 15 points



UV Replacement Project

Ann Arbor Contract Requirements

- Sample Contract included in RFP

Attachments

- B. Legal Status of Offeror
- C. Non-Discrimination Compliance Form
- D. Living Wage Compliance Form
- E. Vendor Conflict of Interest Form



UV Replacement Project

Questions



UV Replacement Project

Submit RFP Questions to:

- Chris Englert, cenglert@a2gov.org

Submit Purchasing Questions to:

- Colin Spencer, Cspencer@a2gov.org

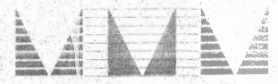


UV Replacement Project

Site Walk

AS-BUILTS

SCANNED



AM
ENGINEERING EXCELLENCE
SINCE 1914

McNAMEE
PORTER &
SEELEY
INC.

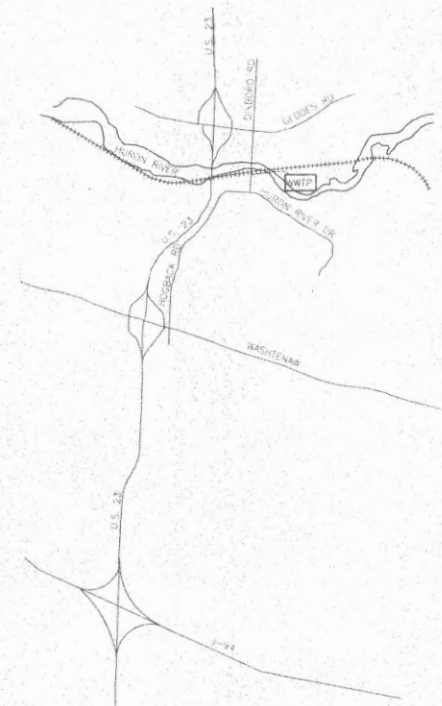
ANN ARBOR, MICHIGAN

ISSUED:
JUNE 1997

CITY OF ANN ARBOR, MICHIGAN

WASTEWATER TREATMENT PLANT IMPROVEMENTS
TERTIARY FILTER RENOVATIONS

0106.059-S-1



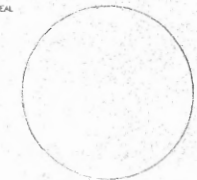
LOCATION MAP
NO SCALE



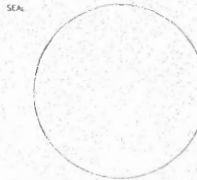
SHEET NO.	TITLE
DEMOLITION	
D-1	DEMOLITION-TERTIARY FILTER BUILDING-BASEMENT PLAN
D-2	DEMOLITION-TERTIARY FILTER BUILDING PLAN AT ELEV. 727.0-PEW PUMPS
D-3	DEMOLITION-TERTIARY FILTER BUILDING SECTIONS
D-4	DEMOLITION-TERTIARY FILTER BUILDING SECTIONS
D-5	DEMOLITION-TERTIARY FILTER BUILDING BASEMENT PLAN-HEADHOUSE
ARCHITECTURAL	
A-1	FILTER BUILDING-FLOOR PLANS
A-2	WALL SECTIONS & DETAILS
PIPEWORK	
P-1	PIPEWORK LEGEND
P-2	YARD PIPING - EAST AREA
P-3	YARD PIPING - SOUTH AREA
P-4	YARD PIPING - WEST AREA
P-5	YARD PIPING - RETENTION BUILDING
P-6	YARD PIPING - PROFILES
P-7	WASTEWATER AND PEW SCHEMATICS
P-8	TERTIARY FILTER BUILDING PLAN
P-9	TERTIARY FILTER BUILDING BASEMENT PLAN-HEAD HOUSE
P-10	TERTIARY FILTER BUILDING SECTIONS
P-11	TERTIARY FILTER BUILDING SECTIONS
P-12	TERTIARY FILTER BUILDING SECTIONS
P-13	DETAILS
P-14	PIPE AND VALVE SCHEDULES
MECHANICAL	
M-1	LEGEND AND SCHEMATICS
M-2	OPERATING FLOOR PLAN
M-3	EQUIPMENT SECTIONS
M-4	DETAILS AND SCHEDULES

SHEET NO.	TITLE
ELECTRICAL	
E-1	LEGEND
E-2	EXISTING SITE PLAN & DIMENSIONS
E-3	DEMO AND PROPOSED WORK MOTOR CONTROL CENTERS M & N
E-4	DEMO AND PROPOSED WORK MOTOR CONTROL CENTERS P & Q
E-5	WIRING DIAGRAMS
E-6	MOTOR CONTROL CENTER ELEVATIONS
E-7	DEMOLITION WEST OPERATING FLOOR PLANS
E-8	DEMOLITION CENTRAL OPERATING FLOOR PLANS
E-9	DEMOLITION EAST OPERATING FLOOR PLANS
E-10	DEMOLITION GALLERY PLAN
E-11	WEST OPERATING FLOOR PLAN
E-12	CENTRAL OPERATING FLOOR PLANS
E-13	EAST OPERATING FLOOR PLANS
E-14	GALLERY PLAN
E-15	INTERMEDIATE LEVEL AND BASEMENT PLANS
E-16	FILTER CONTROL
E-17	SCHEDULES AND DETAILS
INSTRUMENTATION	
I-1	LEGEND
I-2	CONTROL SYSTEM CONFIGURATION PLAN
I-3	SECONDARY EFFLUENT PUMPS PROCESS FLOW DIAGRAM
I-4	BACKWASH PUMPS, DRAIN PUMPS, PEW PUMPS PROCESS FLOW DIAGRAM
I-5	TERTIARY FILTER PROCESS FLOW DIAGRAM
I-6	SAMPLE PUMPS PROCESS FLOW DIAGRAM
I-7	AIR SUPPLY SYSTEM PROCESS FLOW DIAGRAM
I-8	CP-70 LAYOUT
I-9	CP-70 WIRING RACK 1
I-10	CP-70 WIRING RACK 1
I-11	CP-70 1/2 RACK 1, RACK 2
I-12	CP-70 1/2 RACK 2, RACK 3
I-13	CP-70 1/2 RACK 3, RACK 4
I-14	FILTER EQUIPMENT SCHEDULES
I-15	LOCAL PANEL MOUNTED ITC LAYOUT, CIRCUITS (IICS - 1, 2, 3)
I-16	FPP-A LAYOUT, CIRCUITS
I-17	FPP-A 1/2 RACK 0
I-18	FPP-A 1/2 RACK 0, RACK 1
I-19	FPP-A 1/2 RACK 1, RACK 2
I-20	FPP-A 1/2 RACK 2
I-21	FPP-B LAYOUT, CIRCUITS
I-22	FPP-B 1/2 RACK 0
I-23	FPP-B 1/2 RACK 0, RACK 1
I-24	FPP-B 1/2 RACK 1, RACK 2
I-25	FPP-B 1/2 RACK 2
I-26	FPP-C LAYOUT, CIRCUITS
I-27	FPP-C 1/2 RACK 0
I-28	FPP-C 1/2 RACK 0, RACK 1
I-29	FPP-C 1/2 RACK 1, RACK 2
I-30	FPP-C 1/2 RACK 2
I-31	DETAILS
I-32	DETAILS

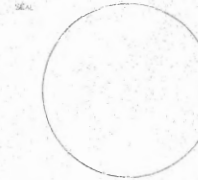
McNAMEE PORTER & SEELEY, INC.
PROFESSIONAL PERSON IN RESPONSIBLE CHARGE OF ARCHITECTURAL
SHEETS
A-1 & A-2
NAME OF THE LICENSEE
ANTHONY A. BAIR
NUMBER
28697
SIGNATURE
SEAL



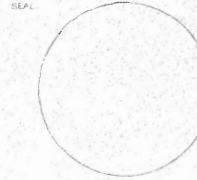
McNAMEE PORTER & SEELEY, INC.
PROFESSIONAL PERSON IN RESPONSIBLE CHARGE OF ELECTRICAL & INSTRUMENTATION
SHEETS
E-1 THRU E-17 & I-1 THRU I-32
NAME OF THE LICENSEE
THOMAS S. RITTER
NUMBER
30963
SIGNATURE
SEAL



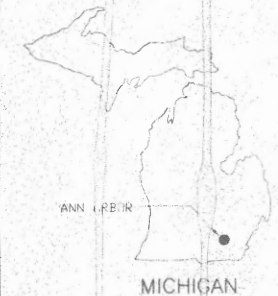
McNAMEE PORTER & SEELEY, INC.
PROFESSIONAL PERSON IN RESPONSIBLE CHARGE OF MECHANICAL & HVAC
SHEETS
M-1 THRU M-4
NAME OF THE LICENSEE
ANDREW S. WILR
NUMBER
35684
SIGNATURE
SEAL



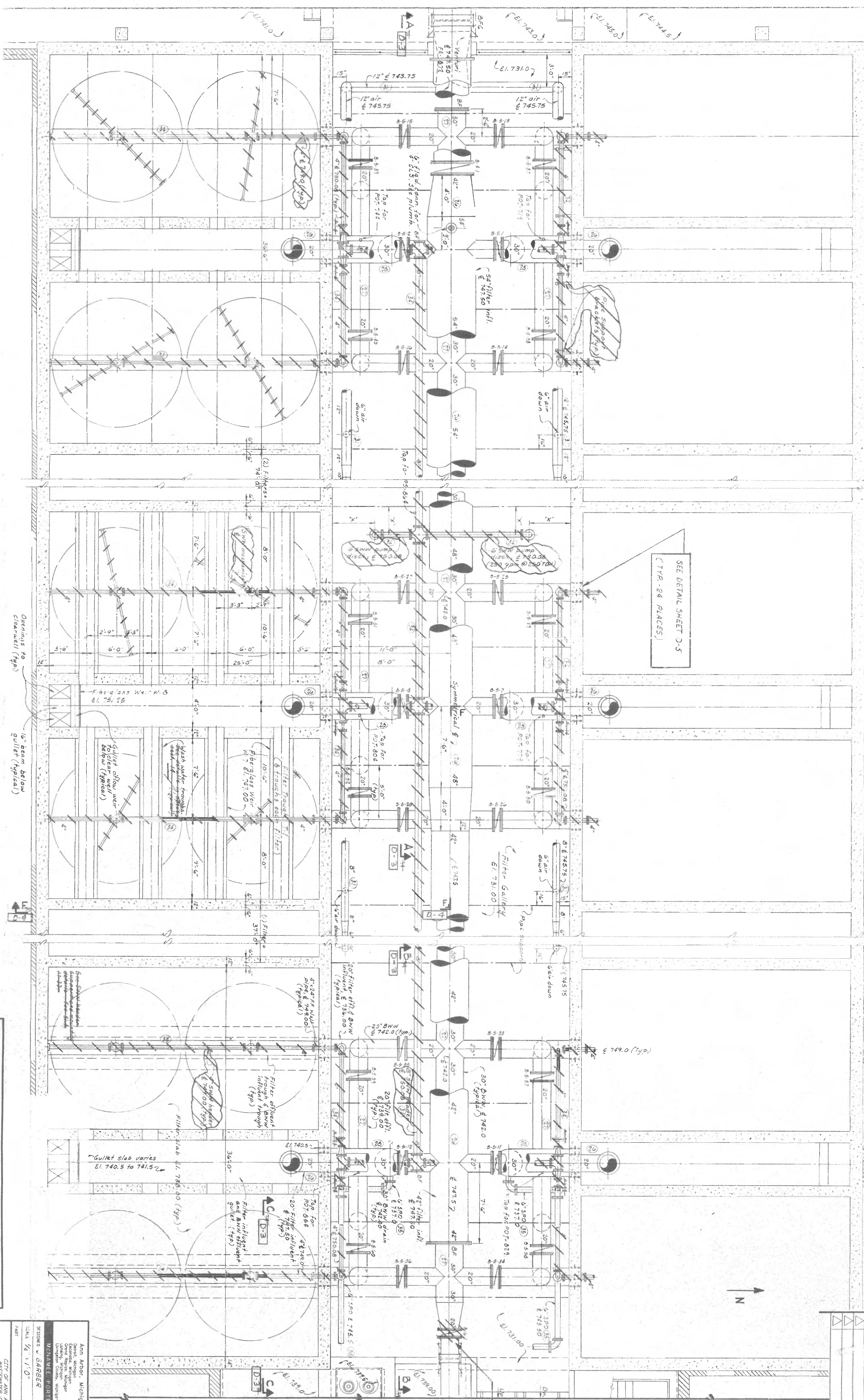
McNAMEE PORTER & SEELEY, INC.
PROFESSIONAL PERSON IN RESPONSIBLE CHARGE OF THE PROJECT
SHEETS
ALL
NAME OF THE LICENSEE
MATTHEW B. FULLER
NUMBER
39641
SIGNATURE
SEAL



CONFORMING TO CONSTRUCTION STANDARDS 11/99



VOLUME I OF I



NOTE:
 DEMOLITION SHOWN IS TYPICAL TO
 ENTIRE GALLERY AND EA OF (24)
 FILTER CELLS

ALL DEMO NOTES UNDER
 THIS CONTRACT ARE BOXED IN

THIS DRAWING WAS ORIGINALLY ISSUED IN JULY, 1977 BY
 MCNAMEE PORTER & SEELEY, CONTRACT 27.5-7, SHEET
 M-32 OF 219. IT HAS BEEN MODIFIED FOR THIS CONTRACT TO
 SHOW DEMOLITION.

**TERTIARY FILTER BLDG.
 BASEMENT PLAN**

SCALE: 1/4" = 1'-0"

ANN ARBOR, MICHIGAN
 2500 ZEEB ROAD
 ANN ARBOR, MI 48106
 (734) 769-1000
 WWW.MCNAMEEPORTER.COM

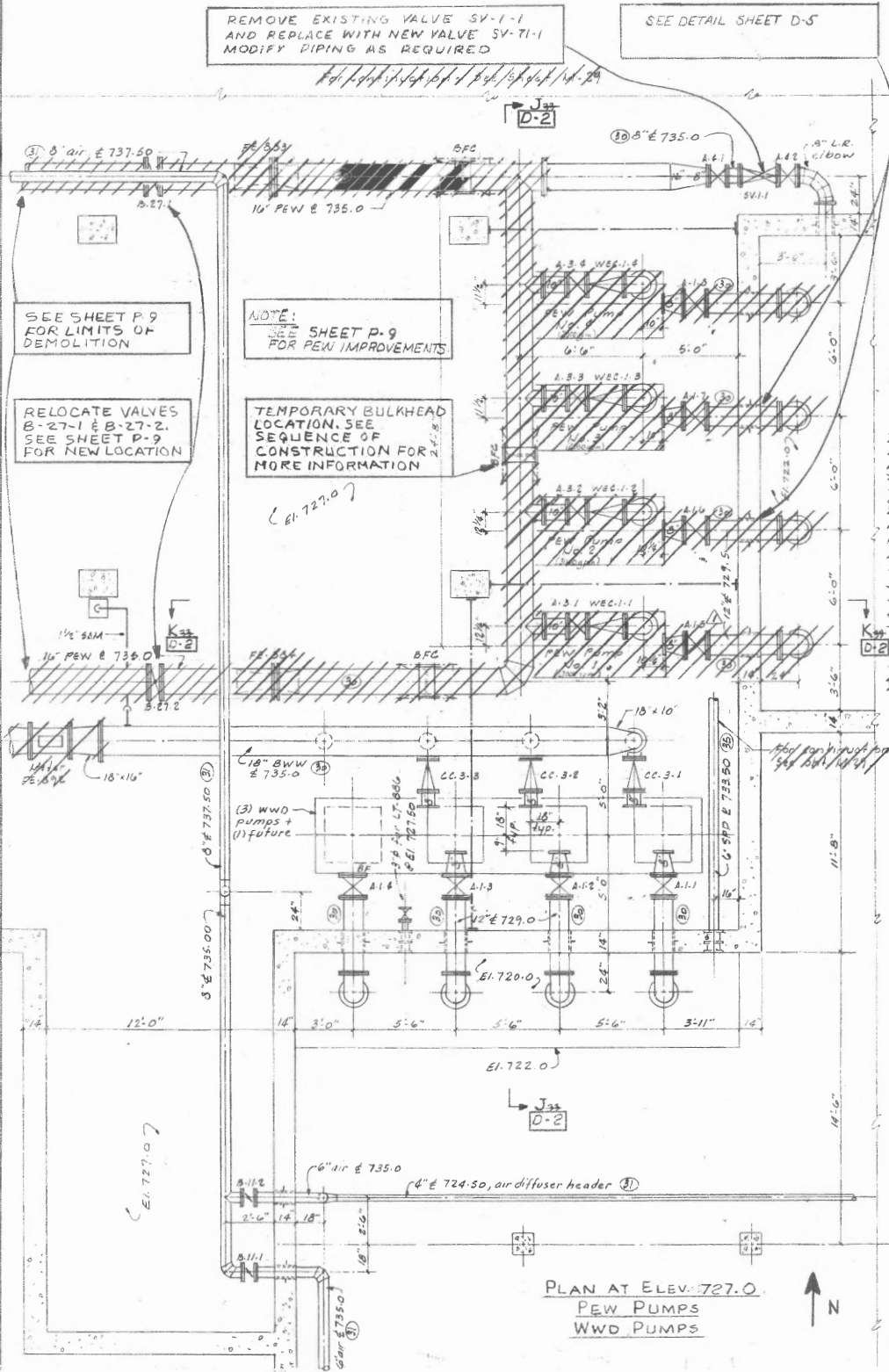
DESIGNED BY: GARBER
 CHECKED BY: T. LARDER
 DATE: 01/06/09

CITY OF ANN ARBOR, MICHIGAN
 DEMOLITION

PROJECT NO: 0106.059-S-1
 SHEET NO: D-1
 OF 5

NOTE:
 PROVIDE TEMPORARY RESTRAINT FOR ALL PIPING DURING CONSTRUCTION.
 PRESSURE IN PEW SYSTEM 80 PSI AND MUST BE MAINTAINED DURING
 CONSTRUCTION - SEE SEQUENCE OF CONSTRUCTION REQUIREMENT

REV	DESCRIPTION	BY	DATE	CHKD
1	ISSUED FOR BIDS		6/77	
2	CONFORMING TO CONSTRUCTION RECORDS		1/79	



REMOVE EXISTING VALVE SV-1-1 AND REPLACE WITH NEW VALVE SV-TI-1 MODIFY PIPING AS REQUIRED

SEE DETAIL SHEET D-5

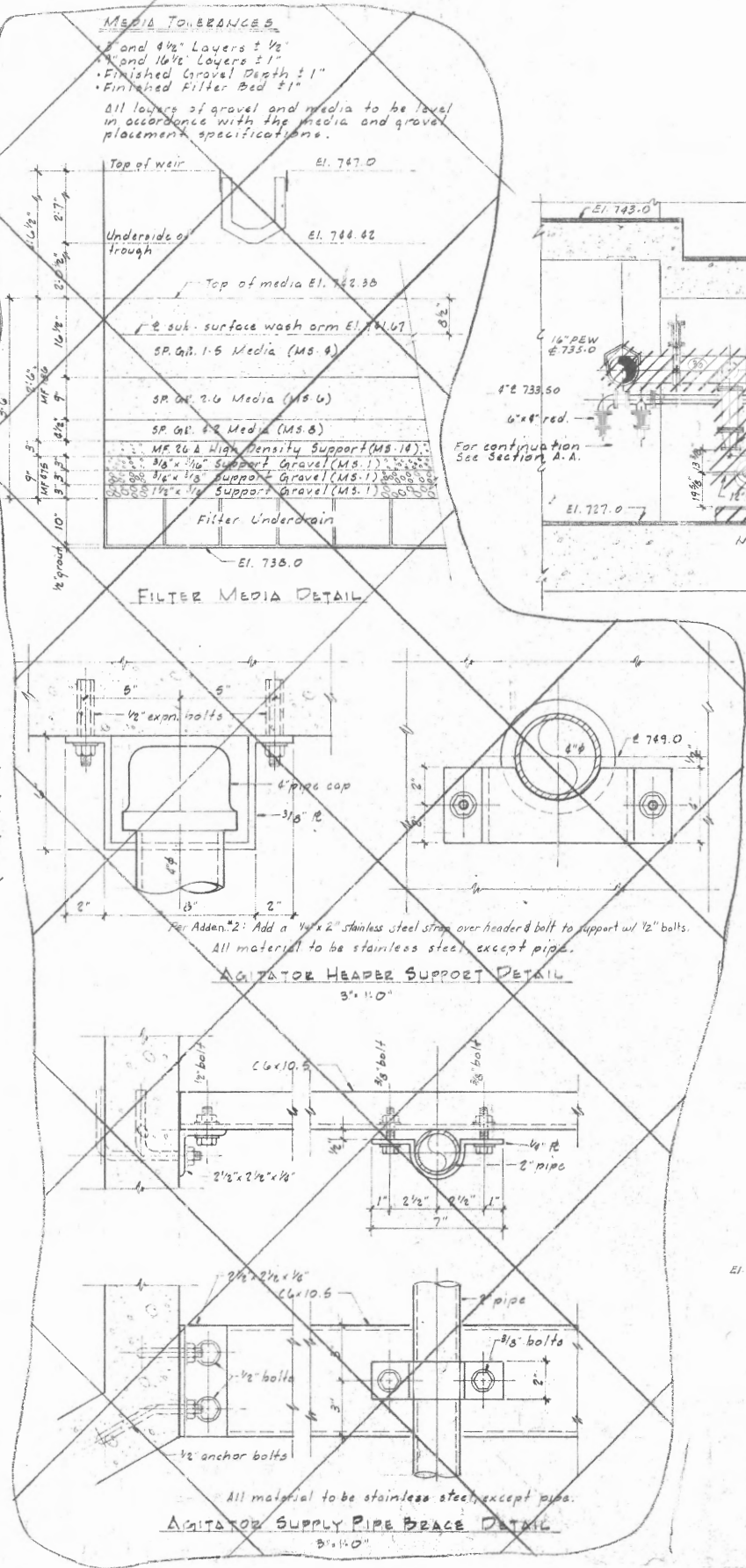
SEE SHEET P-9 FOR LIMITS OF DEMOLITION

NOTE: SEE SHEET P-9 FOR PEW IMPROVEMENTS

RELOCATE VALVES B-27-1 & B-27-2. SEE SHEET P-9 FOR NEW LOCATION

TEMPORARY BULKHEAD LOCATION. SEE SEQUENCE OF CONSTRUCTION FOR MORE INFORMATION

PLAN AT ELEV. 727.0
 PEW PUMPS
 WWD PUMPS

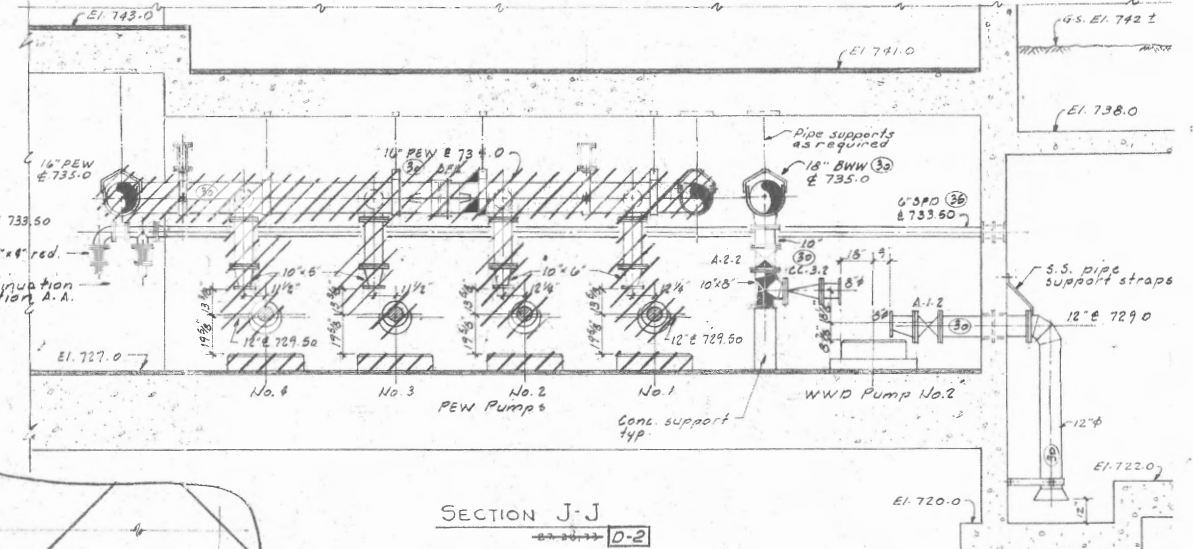


MEDIA TOLERANCES
 2\"/>

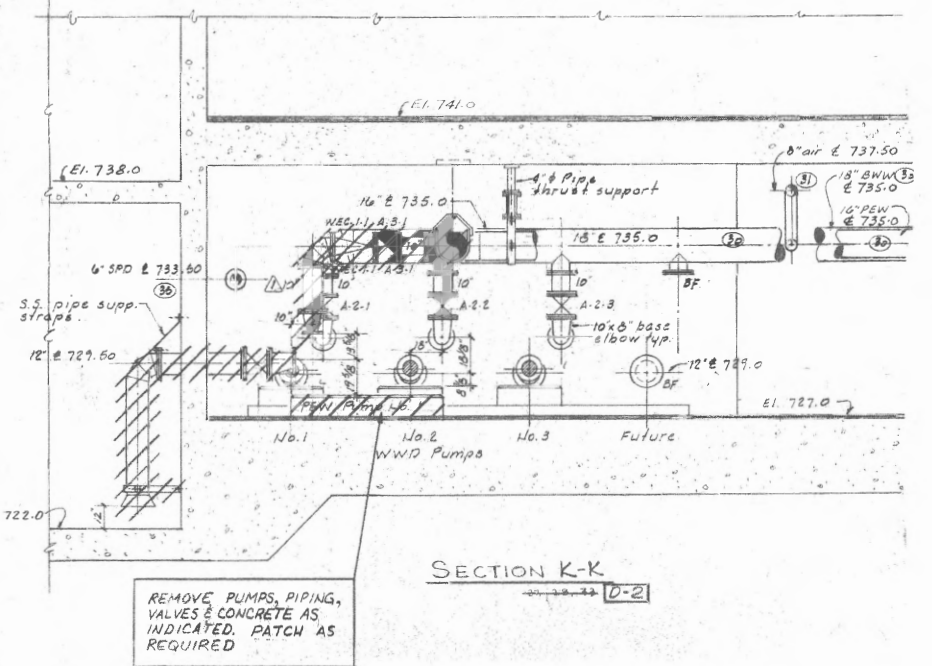
FILTER MEDIA DETAIL

AGITATOR HEADER SUPPORT DETAIL

AGITATOR SUPPLY PIPE BRACE DETAIL



SECTION J-J

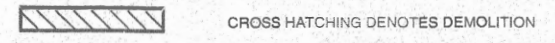


SECTION K-K

REMOVE PUMPS, PIPING, VALVES & CONCRETE AS INDICATED. PATCH AS REQUIRED

ALL DEMO NOTES UNDER THIS CONTRACT ARE BOXED IN

THIS DRAWING WAS ORIGINALLY ISSUED IN JULY 1977 BY MCNAMEE, PORTER & SEELEY, CONTRACT 77-5-7, SHEET M-33 OF 112. IT HAS BEEN MODIFIED FOR THIS CONTRACT TO SHOW DEMOLITION.



Ann Arbor, Michigan
 Detroit, Michigan
 Escanaba, Michigan
 Grand Rapids, Michigan
 Lansing, Michigan
 Livingston County, Michigan

McNAMEE, PORTER & SEELEY, INC.
 ENGINEERS ARCHITECTS

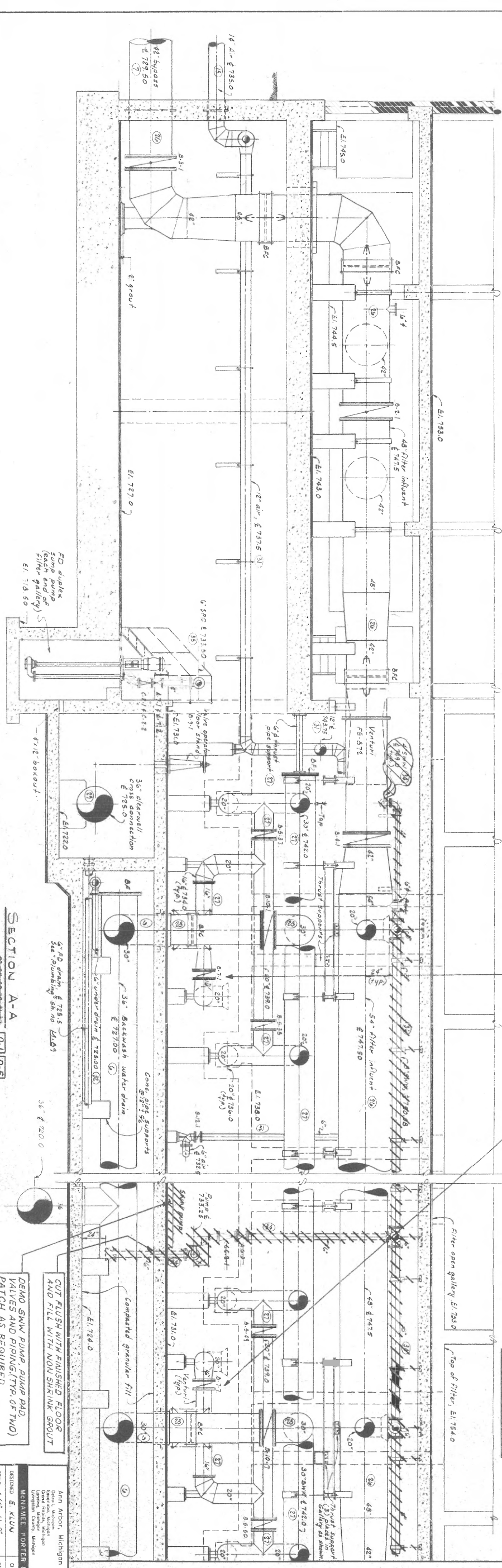
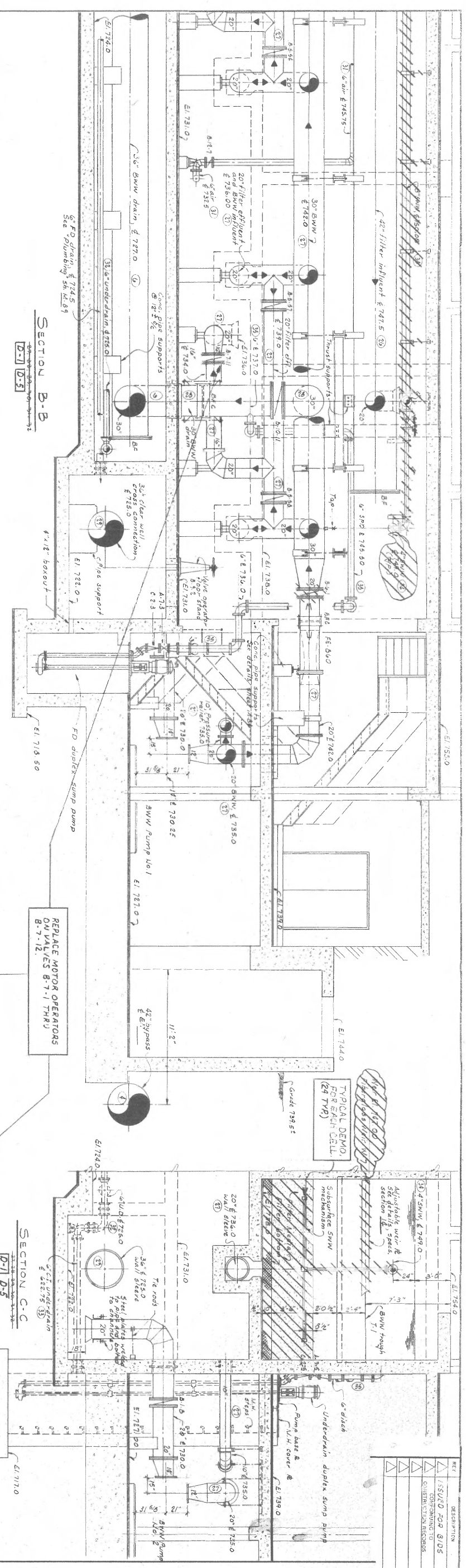
DESIGNED BY E. KLUN
 CHECKED BY T. LARDER

SCALE 1/4" = 1'-0"
 DATED

CITY OF ANN ARBOR, MICHIGAN
 WASTEWATER TREATMENT PLANT
 TERTIARY FILTER RENOVATIONS

DEMOLITION
 TERTIARY FILTER BUILDING
 PLAN AT ELEV. 727.0
 PEW PUMPS

DIVISION CONTRACT SHEET
 0106.059-S-1 D-2
 OF 5



ALL DEMO NOTES UNDER THIS CONTRACT ARE BOXED IN

THIS DRAWING WAS ORIGINALLY ISSUED IN JULY 1977 BY MONMEE, PORTER & SEELY, CONTRACT 77-5-7, SHEET M-34 OF 119. IT HAS BEEN MODIFIED FOR THIS CONTRACT TO SHOW DEMOLITION.

DEMOS GWM PUMP, PUMP PAD, VALVES AND PIPING (TYP. OF TWO) PATCH AS REQUIRED

SECTION A-A D-1 D-5

REPLACE MOTOR OPERATORS ON VALVES B-7-1 THRU B-7-12

SECTION C-C D-1 D-5

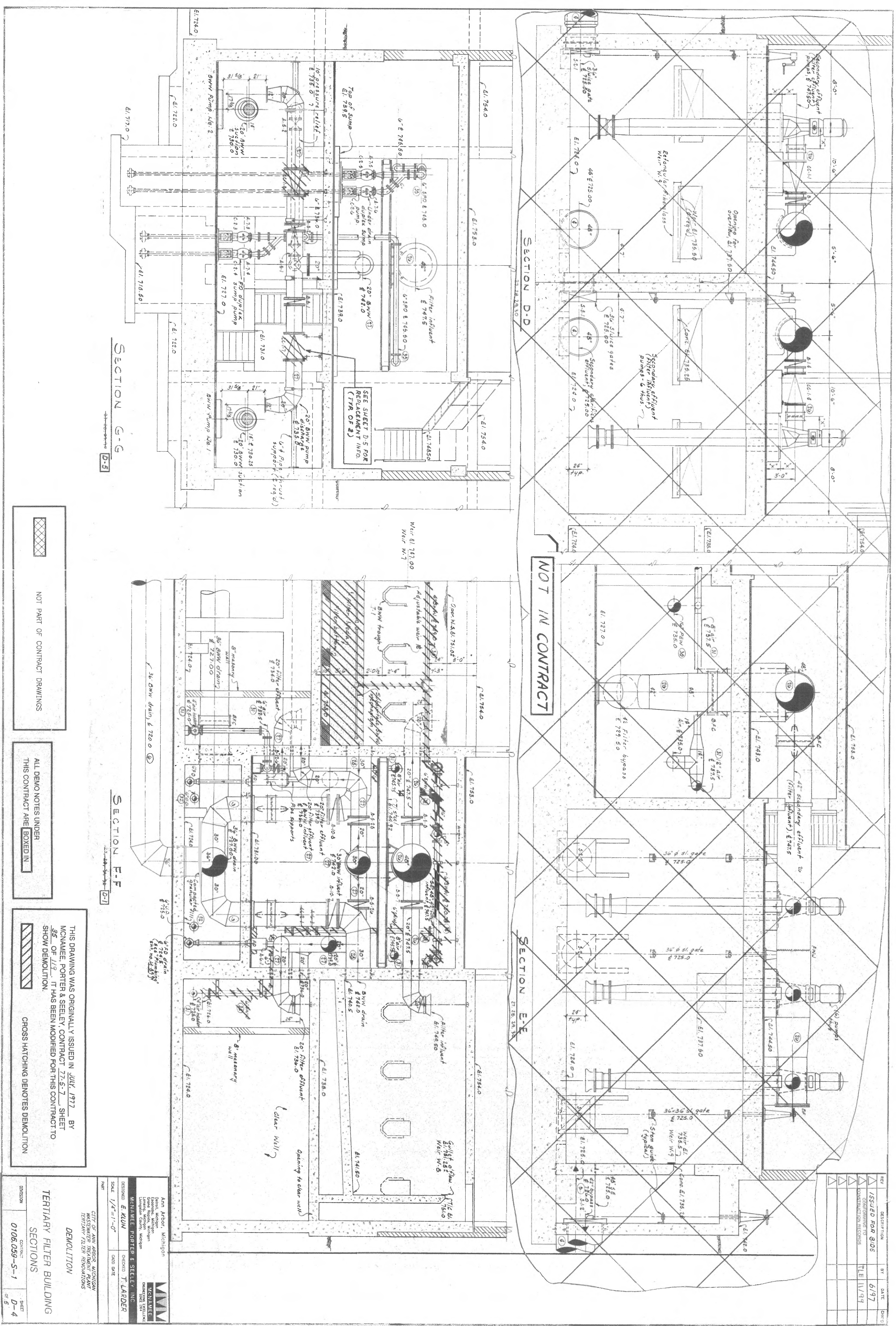
REV.	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS		6/97	
2	GOVERNANCE TO OWNER'S MEMBERS		11/1/99	

Ann Arbor, Michigan
 Demolition, Michigan
 Lansing, Michigan
 Livonia, Michigan
 Farmington Hills, Michigan

MONMEE PORTER & SEELY
 O-BOE LARDER

SCALE 1/4"=1'-0"
 OAD DATE

CITY OF ANN ARBOR, MICHIGAN
 DEMOLITION
 TERTIARY FILTER BUILDING
 SECTIONS
 DIVISION CONTRACT 0106 059-5-1
 SHEET D-3
 OF 5



REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR 305		6/97	
2	CONSTRUCTION RECORDS		11/99	

Ann Arbor, Michigan
 ENGINEERING
 MCKINNEY
 10000 Washtenaw
 Lansing, Michigan 48915
 Telephone: (517) 487-1100
 Fax: (517) 487-1101
 E-Mail: info@mcKinney.com

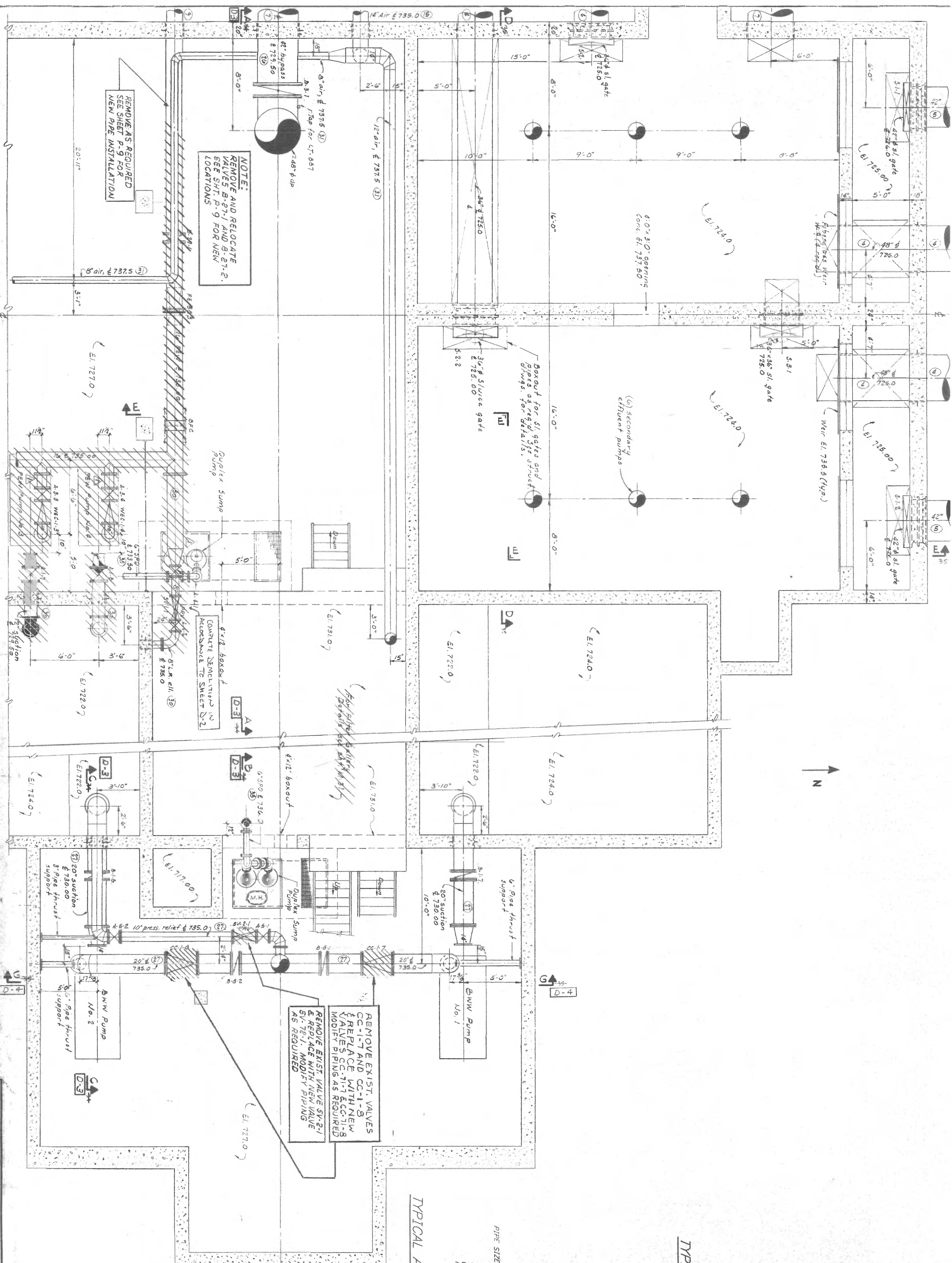
DESIGNED E. KUM
 CHECKED T. LARDER
 DATE

CITY OF ANN ARBOR, MICHIGAN
 TERTIARY FILTER BUILDING
 DEMOLITION
 SECTIONS
 SHEET
 D-4
 OF 5
 CONTRACT
 0106.059-S-1

NOT PART OF CONTRACT DRAWINGS
 THIS CONTRACT AREA BOXED IN

ALL DEMO NOTES UNDER
 THIS CONTRACT AREA BOXED IN

THIS DRAWING WAS ORIGINALLY ISSUED IN JULY, 1977 BY
 MCKINNEY, PORTER & SEELEY, CONTRACT 77-5-7, SHEET
 35 OF 112. IT HAS BEEN MODIFIED FOR THIS CONTRACT TO
 SHOW DEMOLITION.
 CROSS HATCHING DENOTES DEMOLITION



NOTE:
 REMOVE AND RELOCATE
 EXIST. SV-1 AND SV-2-1.
 SEE SHEET P-9 FOR NEW
 LOCATIONS

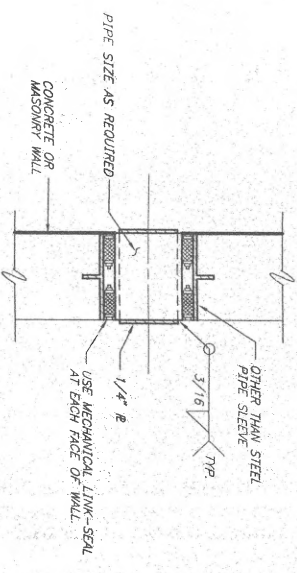
**REMOVE EXIST. VALVES
 CC-1-7 AND CC-1-8
 & REPLACE WITH NEW
 VALVES CC-1-7 & CC-1-8
 MODIFY PIPING AS REQUIRED**

**REMOVE AS REQUIRED
 SEE SHEET P-9 FOR
 NEW PIPE INSTALLATION**

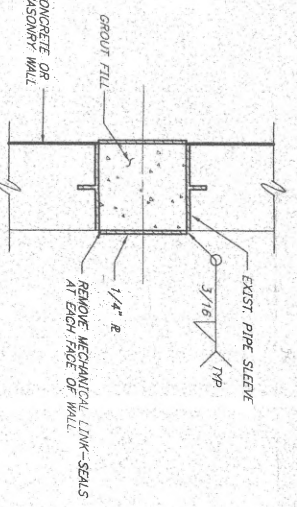
**ALL DEMO NOTES UNDER
 THIS CONTRACT ARE BOXED IN**

**THIS DRAWING WAS ORIGINALLY ISSUED IN JULY, 1977 BY
 MCNAMEE, PORTER & SEELEY, CONTRACT 77-5-7, SHEET
 M-23 OF 119. IT HAS BEEN MODIFIED FOR THIS CONTRACT TO
 SHOW DEMOLITION.**

CROSS HATCHING DENOTES DEMOLITION



TYPICAL ALTERNATE PIPE SLEEVE WATERTIGHT SEAL
 NO SCALE



TYPICAL PIPE SLEEVE WATERTIGHT SEAL
 NO SCALE

ISSUED FOR 8/05	6/97
CONFORMING TO CONSTRUCTION RECORD	7/11/99

ANN ARBOR, MICHIGAN
 ENGINEERING, ARCHITECTURE
 AND INTERIOR DESIGN
 100 WEST WASHINGTON
 ANN ARBOR, MICHIGAN 48106-1500
 PHONE: 734.769.2000
 FAX: 734.769.2001
 WWW: WWW.MCNAMEE.COM

MCNAMEE, PORTER & SEELEY
 ENGINEERING, ARCHITECTURE
 AND INTERIOR DESIGN
 100 WEST WASHINGTON
 ANN ARBOR, MICHIGAN 48106-1500
 PHONE: 734.769.2000
 FAX: 734.769.2001
 WWW: WWW.MCNAMEE.COM

DESIGNED BY: E. KLUM
CHECKED BY: T. LARDER
SCALE: 1" = 20'
CAD DATE:

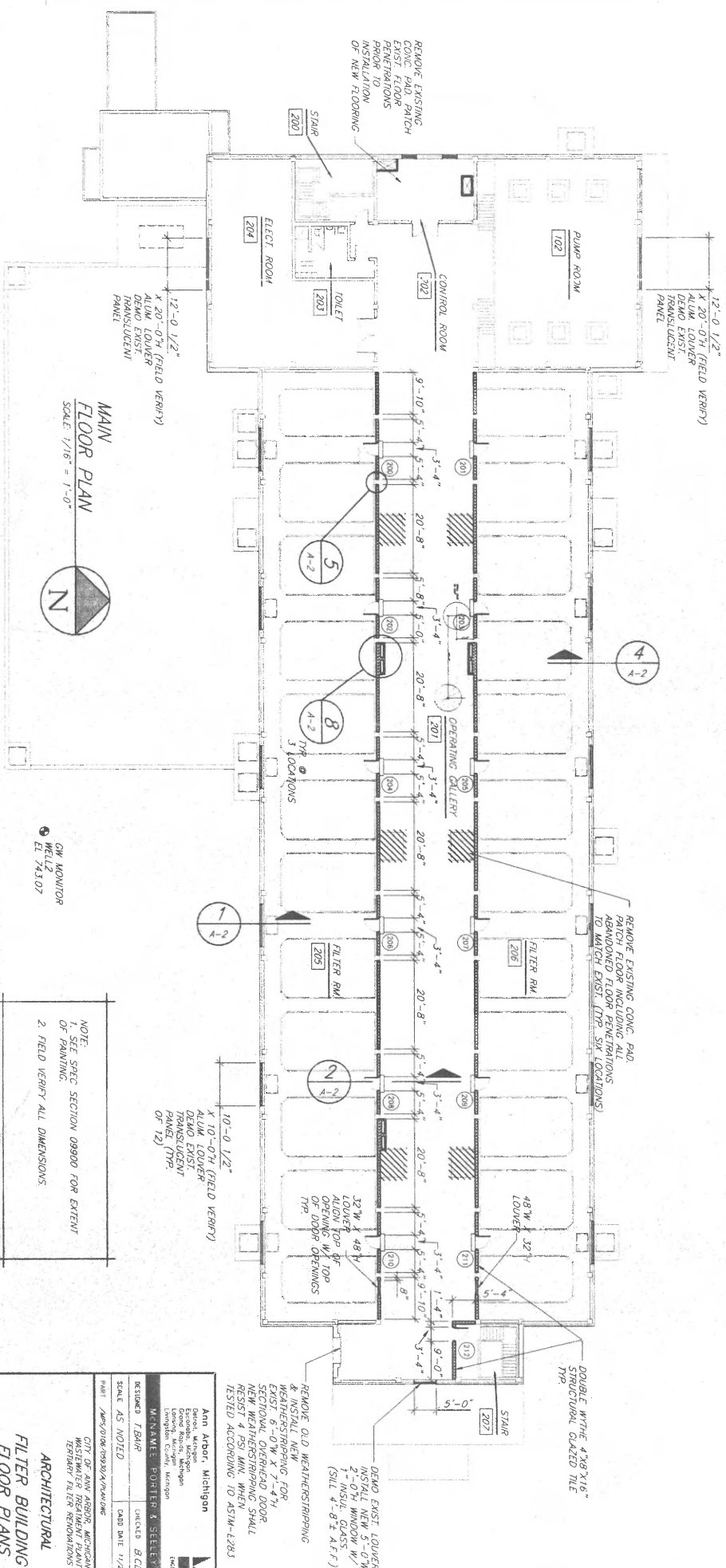
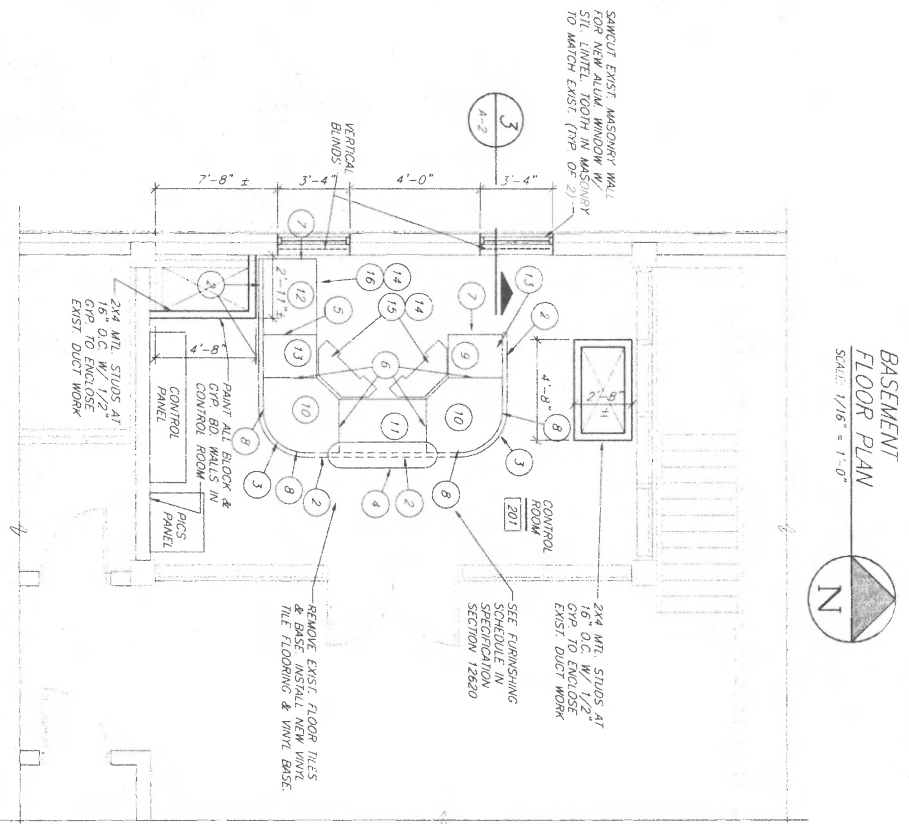
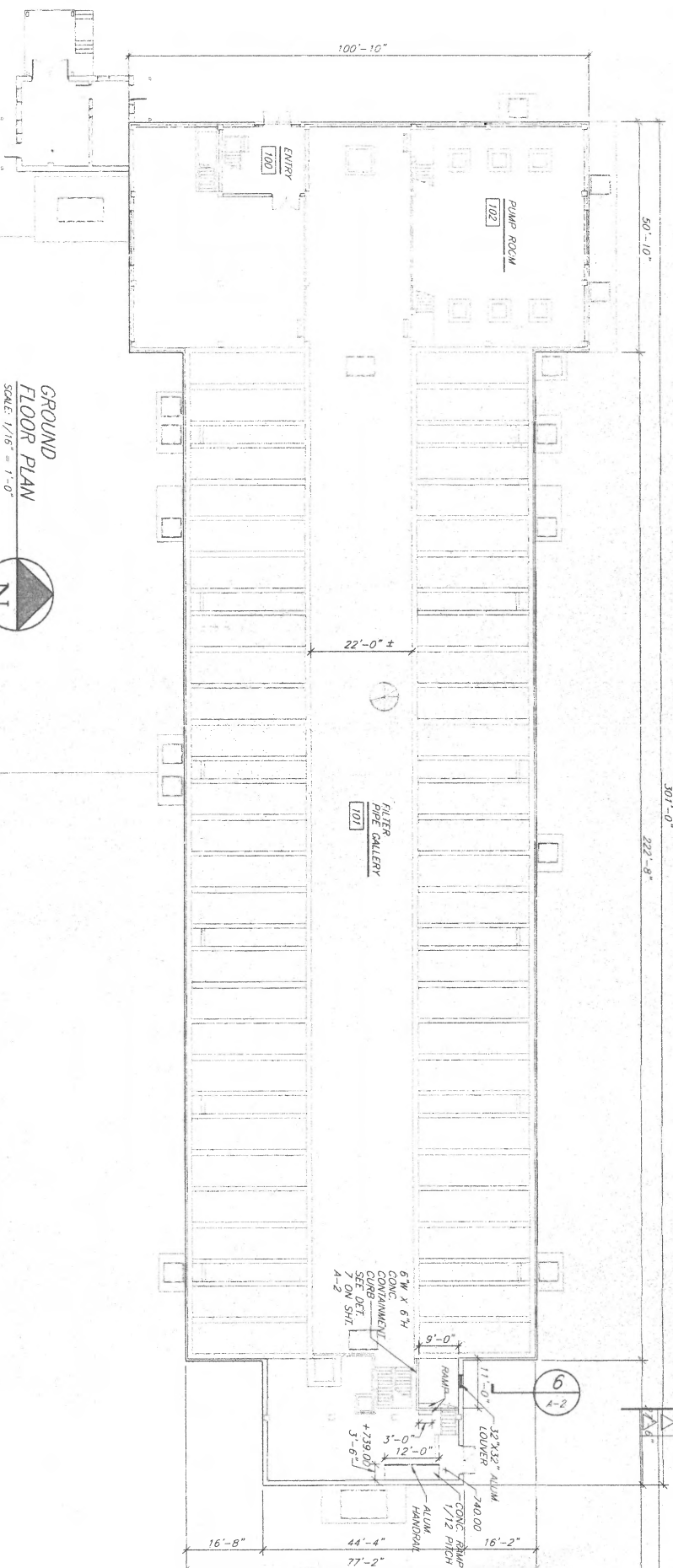
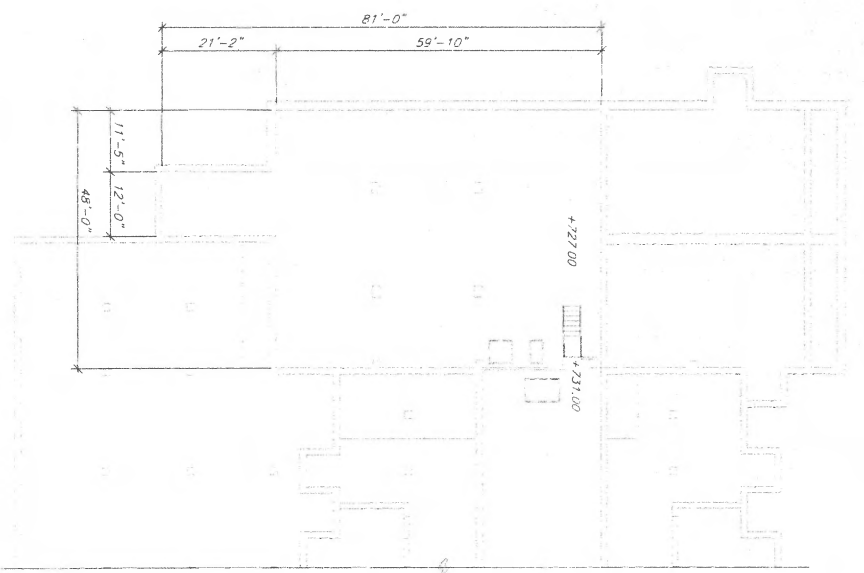
**CITY OF ANN ARBOR, MICHIGAN
 WASTEWATER TREATMENT PLANT
 TERTIARY FILTER REPAIRS**

DEMOLITION

**TERTIARY FILTER BUILDING
 BASEMENT PLAN - HEADHOUSE**

CONTRACT NO: 0106.009-S-1

SHEET NO: D-5 OF 6



NOTE:
1. SEE SPEC SECTION 09900 FOR EXTENT OF PAINTING.
2. FIELD VERIFY ALL DIMENSIONS.

DESIGNER	CONTRACT	SHEET
0106 059-S-1	0106 059-S-1	A-1
		A-2

ARCHITECTURAL

ANN ARBOR, MICHIGAN

Ann Arbor, Michigan
Grand Rapids, Michigan
Lansing, Michigan

MEMMER, PORTER & SEELY, INC.

MEMMER, PORTER & SEELY, INC.
1100 WEST LANSING
LANSING, MICHIGAN 48206

SCALE AS NOTED

CHECKED BY: B. CLARK

DATE: 11/21/89

PROJECT: FILTER BUILDING FLOOR PLANS

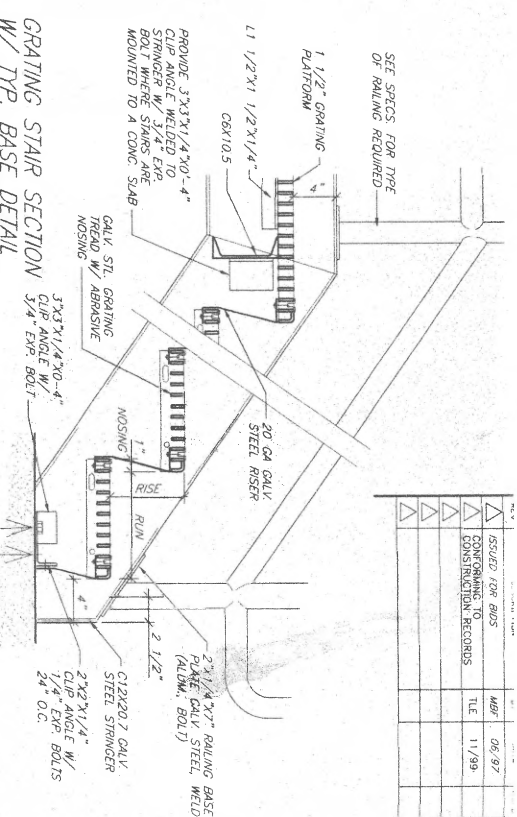
REVISIONS:

ISSUED FOR PERMITS	10/6/87
CONFORMING TO CONSTRUCTION RECORDS	TILE 1/1/89

MARK	LOCATION	STRUCT. DIMS	SIZE	MATERIAL	TYPE	QUANTITY	DOOR		GLASS	FRAME		HARDWARE SET NO.	REMARKS
							SIZE	TYPE		SIZE	TYPE		
SEE PLANS													
KEY	FRAM	W	H										
200	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
201	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
202	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
203	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
204	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
205	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
206	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
207	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
208	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
209	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
210	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
211	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10
212	3'-4 1/2" x 7'-0"	FRP	HG			3'-0" x 6'-10 1/2"	1	2	5	7 1/2	1	1	10

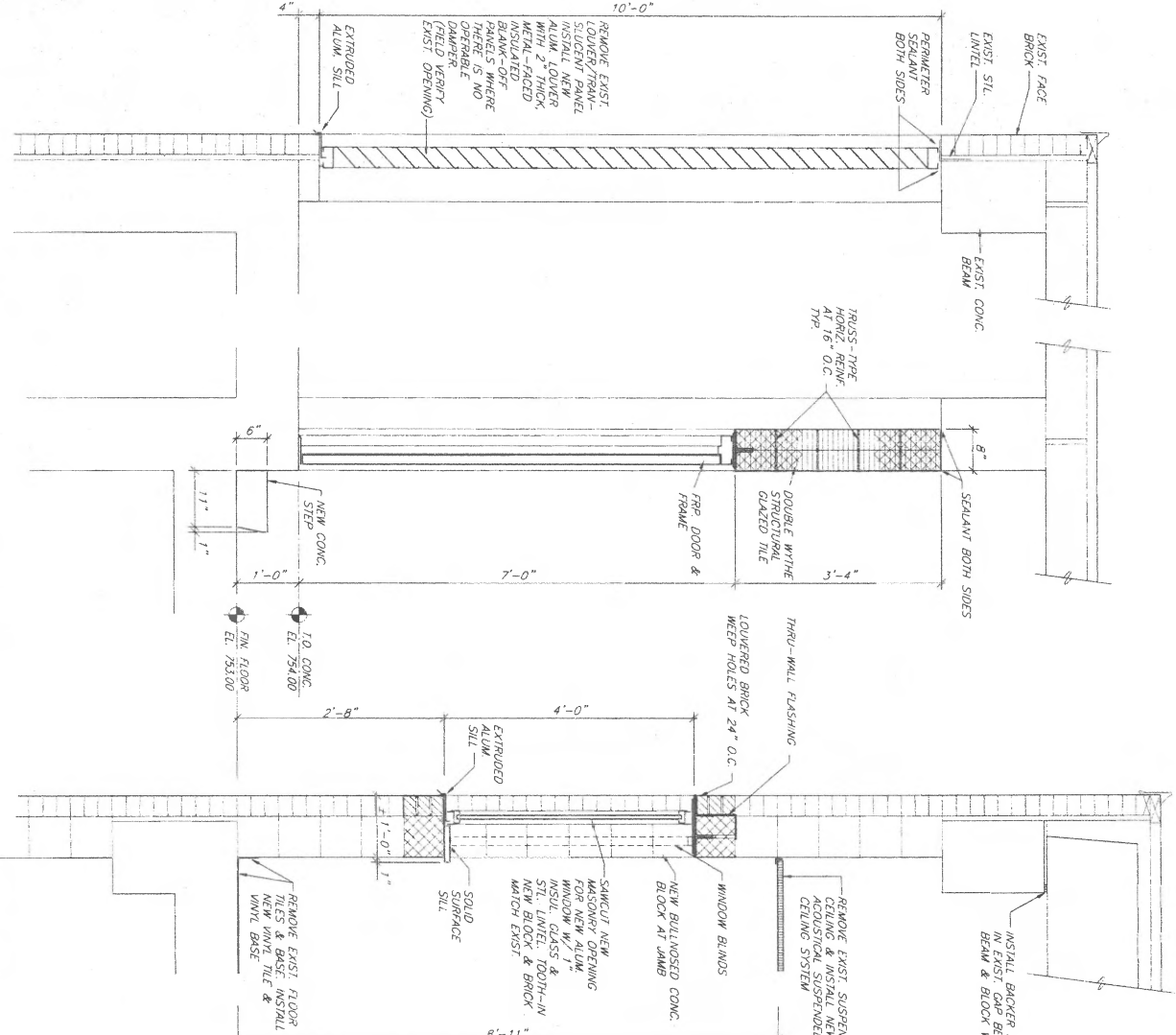
LINTEL SCHEDULE

WALL THICKNESS	OPENING LENGTH	DESCRIPTION (INCHES & POUNDS)	REMARKS
8"	UP TO 3'-6"	(2) 3 1/2 X 3 1/2 X 3/16"	SEE NOTES 2 & 3
	3'-6" TO 6'-6"	(2) 4 X 3 1/2 X 3/16"	SEE NOTES 2 & 3
	6'-6" TO 12'-6"	(1) 5/16 X 3/16" PLATE	SEE NOTES 2 & 3
12"	UP TO 3'-6"	(3) 3 1/2 X 3 1/2 X 3/16"	SEE NOTES 3
	3'-6" TO 6'-6"	(3) 4 X 3 1/2 X 3/16"	SEE NOTES 3
12"	6'-6" TO 12'-6"	(1) 5/16 X 3/16" PLATE	SEE NOTES 3
	6'-6" TO 12'-6"	(1) 5/16 X 3/16" PLATE	SEE NOTES 3



GRATING STAIR SECTION W/ TYP. BASE DETAIL

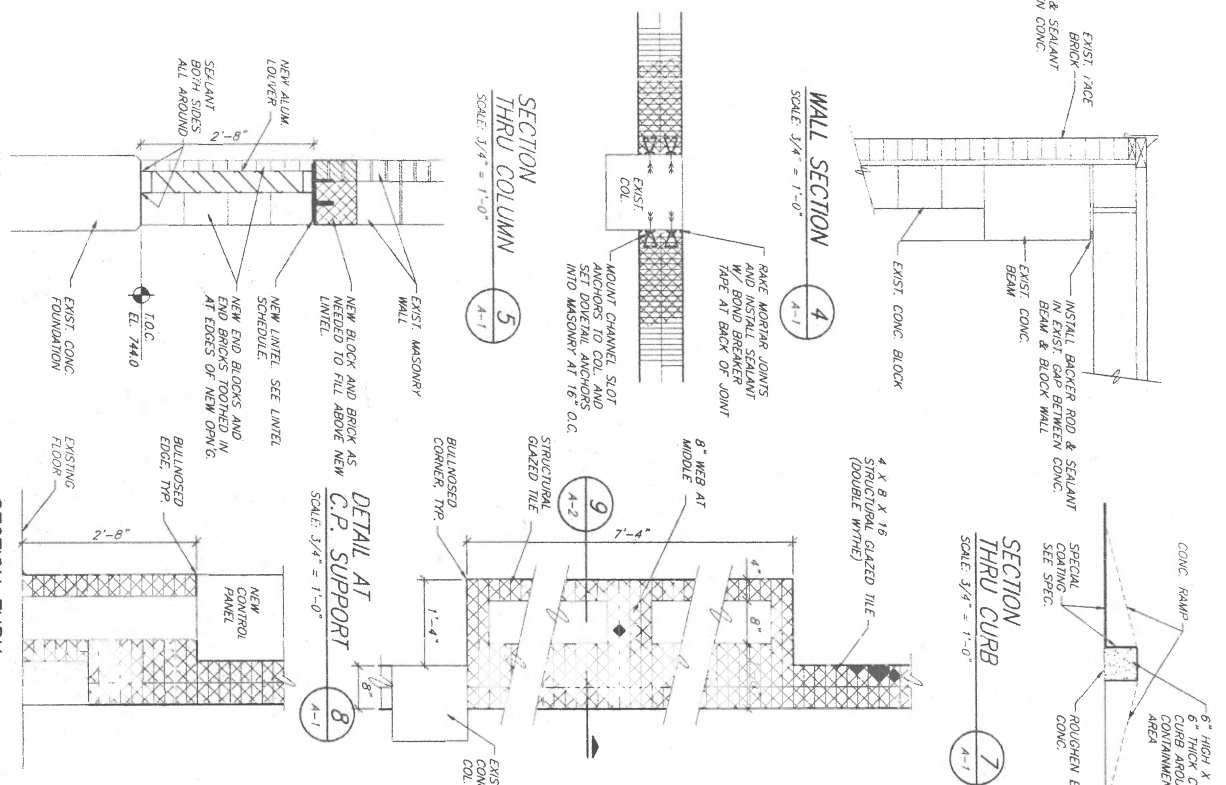
SCALE: 1/2" = 1'-0"



WALL SECTION 1 SCALE: 3/4" = 1'-0"

WALL SECTION 2 SCALE: 3/4" = 1'-0"

WALL SECTION 3 SCALE: 3/4" = 1'-0"



SECTION THRU LOUVER SCALE: 3/4" = 1'-0"

SECTION THRU C.P. SUPPORT SCALE: 3/4" = 1'-0"

SECTION THRU C.P. SUPPORT SCALE: 3/4" = 1'-0"

SECTION THRU C.P. SUPPORT SCALE: 3/4" = 1'-0"

SECTION THRU C.P. SUPPORT SCALE: 3/4" = 1'-0"

REFLECTED CEILING PLAN AT CONTROL ROOM

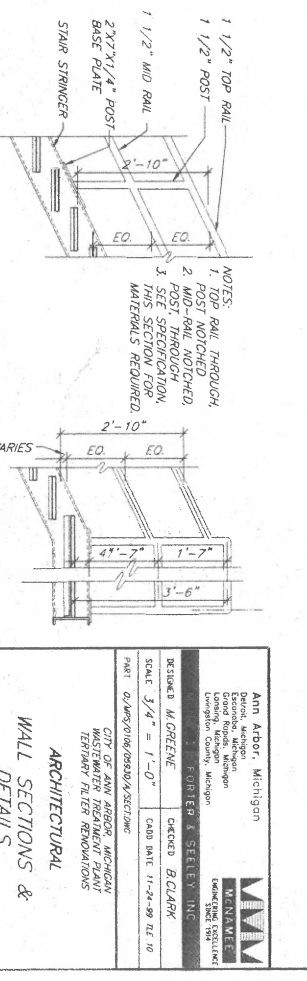
SCALE: 1/8" = 1'-0"

NEW MECHANICAL ROOF PENETRATION

SCALE: 1/2" = 1'-0"

ABANDONED MECHANICAL ROOF PENETRATION ENCLOSURE

SCALE: 1/2" = 1'-0"



STAIRWAY RAILING (RAMP RAILING SIMILAR) SCALE: 1/2" = 1'-0"

ANN ARBOR, Michigan
 Eastern Michigan University
 Building 100-10
 Ypsilanti, Michigan 48197

CLIENT: EASTERN MICHIGAN UNIVERSITY
 PROJECT: CONTROL ROOM
 ARCHITECTURAL WALL SECTIONS & DETAILS

DATE: 04/20/2010
 DRAWN: M. ORENE
 CHECKED: B. CLARK
 SCALE: 3/4" = 1'-0"

CONTRACT: 0106.059-S-1
 SHEET: A-2 OF 2

VALVE DESIGNATIONS

SYMBOLS	MARK	TYPE
PIPEWORK DRAWINGS		
	A	GATE VALVE
	K	KNIFE GATE VALVE
	B	BUTTERFLY VALVE
	IB	INDUSTRIAL BUTTERFLY VALVE
	P	PLUG VALVE
	G	GLOBE VALVE
	BY	BALL VALVE
	C	STANDARD CHECK VALVE
	CC	CUSHION CHECK VALVE
	SC	SILENT CHECK VALVE
	RC	RAPID CHECK VALVE
	DC	DOUBLE VALVE CHECK VALVE
	SEC	ELECTRIC CHECK VALVE (SERVAGE) (ANGLE OR GLOBE VALVE) (WATER)
	PV	PRESSURE CONTROL & REGULATING VALVE
	SV	SURGE OR PRESSURE RELIEF VALVE
	AV	ALTITUDE VALVE
	CV	CONE VALVE
	BCV	BALL CONTROL VALVE
	RP	RUBBER PINCH VALVE
	PD	PLUG DRAIN VALVE
	BW	BACKWATER (LAP) VALVE
	TSV	TAPPING SLEEVE AND VALVE
	FV	FOOT VALVE
	VA	VERTICAL AIR VALVE
	VA	VERTICAL AIR VALVE
	PRV	PRESSURE RELIEF VALVE (WALL TYPE)
	PRG	PRESSURE RELIEF VALVE (SLAB TYPE)

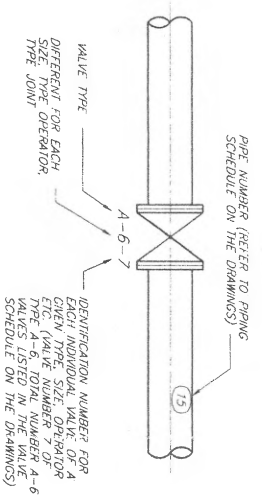
JOINT DESIGNATIONS

SYMBOL	MARK	TYPE
	FJ	FLANGED JOINT
	MJ	MECHANICAL JOINT
	SJ	SCREWED JOINT
	BSL	BELL AND SPIGOT LEAD JOINT
	FOJ	PUSH ON JOINT
	BFC	BOLTED FLEXIBLE COUPLING
	GC	GROOVED COUPLING
	WJ	SHOP WELDED JOINT (STEEL PIPE)
	FWJ	FIELD WELDED JOINT (STEEL PIPE)
	STJ	SOCKET TYPE JOINT (FRP OR PVC PIPE)
	EJ	EXPANSION JOINT
	BF	BLIND FLANGE
	AFC	ADAPTER FLANGE COUPLING

SLEEVE DESIGNATIONS

SYMBOL	TYPE
	STEEL WALL SLEEVE
	FLANGE X PLAIN END WALL PIPE
	FLANGE X FLANGE END WALL PIPE
	MECHANICAL JOINT X MECHANICAL JOINT WALL PIPE
	MECHANICAL JOINT X PLAIN END WALL PIPE

VALVE & PIPE IDENTIFICATION



LEGEND

YARD PIPING SITE PLAN

	PROPOSED SUPERSTRUCTURE
	PROPOSED STRUCTURE (TANKS, ETC.)
	EXISTING SUPERSTRUCTURE
	EXISTING STRUCTURE (TANKS, ETC.)
	FUTURE STRUCTURE
	PROPOSED PIPING 30" AND SMALLER
	PROPOSED PIPING 36" AND LARGER
	EXISTING PIPING 30" AND SMALLER
	EXISTING PIPING 36" AND LARGER
	PROPOSED MANHOLE
	EXISTING MANHOLE
	PROPOSED VALVE BOX AND NUMBER
	EXISTING VALVE BOX
	PROPOSED VALVE MANHOLE AND NUMBER
	EXISTING VALVE MANHOLE
	PROPOSED FIRE HYDRANT ASSEMBLY
	EXISTING FIRE HYDRANT ASSEMBLY
	PROPOSED UNDERGROUND ELECTRICAL CONDUIT
	EXISTING UNDERGROUND ELECTRICAL CONDUIT
	DRAINAGE STRUCTURE

PIPING ABBREVIATION N - LEGEND

AIR	LOW PRESSURE AIR
AAN	AEROBIC PROCESS EFFLUENT
ANI	AEROBIC PROCESS INFLOW
AND	AEROBIC PROCESS OVERFLOW
ANR	AEROBIC PROCESS RECTICLE
ASH	ASH
BCE	BIOLOGICAL CONTACTOR EFFLUENT
BW	BACKWASH WATER
BYPASS	PROCESS BYPASS LINE
C	CENTRATE
CE	CHLORINATED EFFLUENT
CHL	CHLORINE SOLUTION
D	DRAIN
DO	DIGESTED OVERFLOW
EI	EQUALIZATION TANK INFLOW
ER	EQUALIZATION TANK RETURN
ES	EQUALIZATION TANK SLUDGE
F	FILL TRAPE
FE	FINAL EFFLUENT
FES	FINAL EFFLUENT SAMPLE
FS	FINAL TANK SLUDGE
HS	HEATED SLUDGE
HIS	HEAT TREATED SLUDGE
ML	MIXED LIQUOR
PAS	PRECIPITATED SLUDGE
PE	PRIMARY EFFLUENT
PEW	PLANT EFFLUENT WATER
P1	PRIMARY INFLOW
PS	POTABLE WATER
PW	POTABLE WATER
RS	RETURN ACTIVATED SLUDGE
RC	RECYCLED SLUDGE
RCS	RECYCLED SLUDGE
RS	RAW SEWAGE
S	SLURRY
SAW	SANITARY SEWER
SBD	SLUDGE BED DRAIN
SE	SECONDARY EFFLUENT
SL	SLUDGE
SN	SUPERNATANT
SV	SERVICE WATER
SPD	SUMP PUMP DISCHARGE
SSE	STRAINED SECONDARY EFFLUENT
STD	STORM SEWER
SW	SURFACE WASHWATER
TE	TERTIARY EFFLUENT
THS	THICKENED SLUDGE
TD	THICKENER OVERFLOW
TS	TRANSFER SLUDGE
WAS	WASTE AEROBIC PROCESS SLUDGE
WAS	WASTE ACTIVATED SLUDGE
WM	WATER MAIN
WD	WASHWATER DRAIN
WWS	WASHWATER SUPPLY

OPERATORS (SCHEMATICS ONLY)

SYMBOL	TYPE
	PNEUMATIC THROTTLING SERVICE
	ELECTRIC THROTTLING SERVICE
	HYDRAULIC THROTTLING SERVICE
	PNEUMATIC OPEN - SHUT SERVICE
	ELECTRIC OPEN - SHUT SERVICE
	HYDRAULIC OPEN - SHUT SERVICE

PIPING AND VALVES GENERAL NOTES

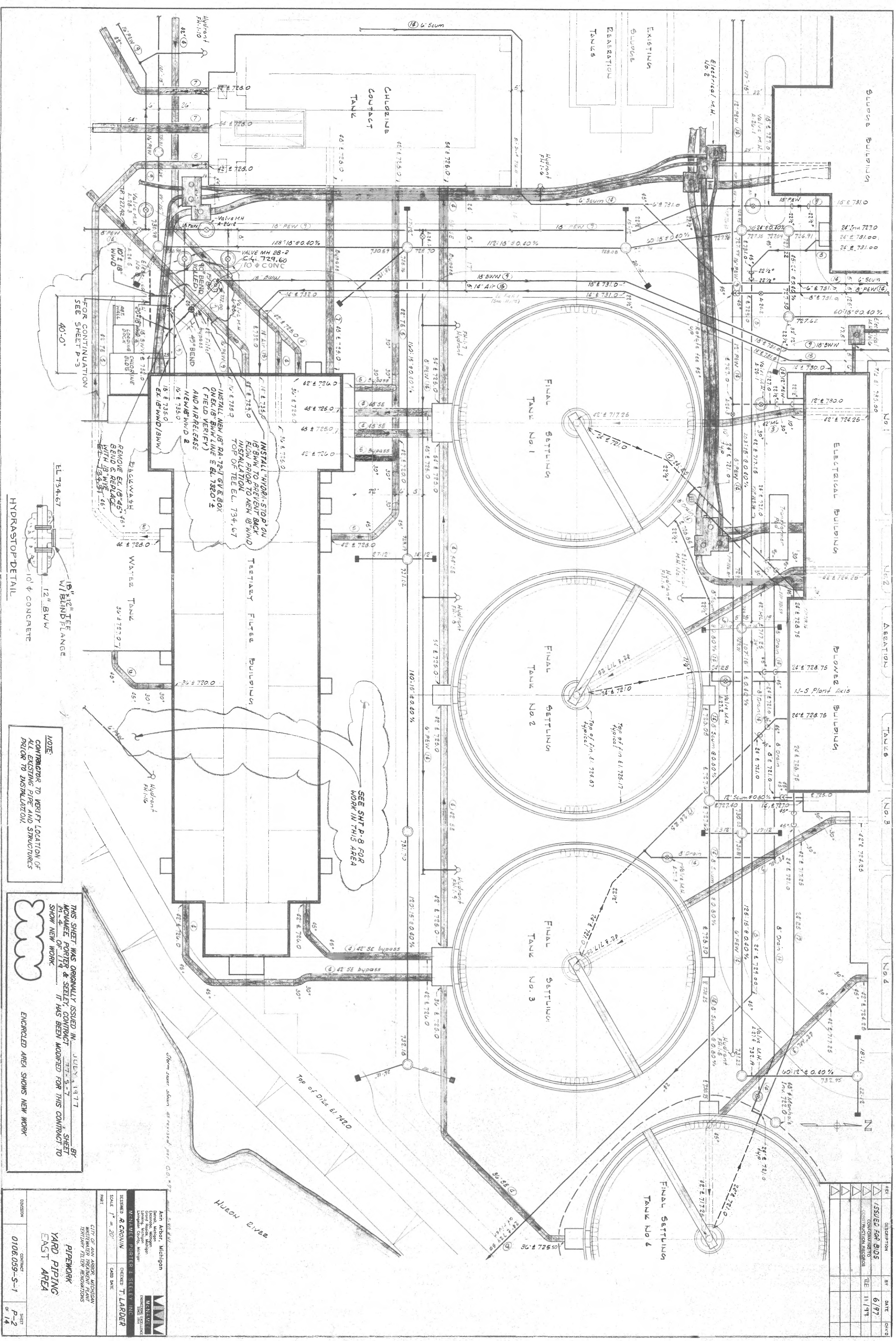
- INSTALL ALL PIPING SUPPORTS AND PIPING IN ACCORDANCE WITH THE LATEST EDITION OF THE ASME ANSI POWER PIPING CODE B 31.1.
- LOCATE PRESSURE TAPS ON THE TOP OF PROCESS PIPES.
- LOCATE SAMPLE TAPS ON THE SIDE OF PROCESS PIPES.
- LOCATE DRAIN TAPS ON THE BOTTOM OF PROCESS PIPES.
- UNLESS OTHERWISE NOTED PIPE ELEVATIONS SHOWN ON PIPING DRAWINGS REFER TO CENTERLINE OF THE PIPE.
- ALL GROUND BURIED PIPING TO HAVE A MINIMUM OF 5'-6" OF COVER (COVER OR AS DETAILED ON THE DRAWINGS. MAINTAIN MINIMUM CLEARANCE BETWEEN PIPES OF 6").
- INSTALL ALL PLUG, BUTTERFLY AND BALL VALVES WITH THE SHAFT IN THE HORIZONTAL POSITION, UNLESS OTHERWISE DIRECTED.
- CONTRACTOR TO VERIFY ALL DIMENSIONS OF EXISTING PIPING PRIOR TO SUBMITTING SHOP DRAWINGS.

REV	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	MBF	06/97
2	CONFORMING TO CONSTRUCTION RECORDS	TLE	11/99

AMN Arbon, Michigan
 1000 North Main Street
 East Lansing, Michigan 48824
 (517) 335-1000
 FAX (517) 335-1001

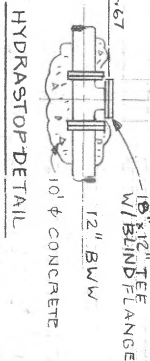
WATER MOUNTAIN SYSTEMS, INC.
 1000 North Main Street
 East Lansing, Michigan 48824
 (517) 335-1000
 FAX (517) 335-1001

DRAWN: **0106.059-S-1**
 CONTRACT: **0106.059-S-1**
 SHEET: **P-1**
 OF: **14**



INSTALL HYDRA-STOP ON 18\"/>

SEE SHIP-P-8 FOR WORK IN THIS AREA

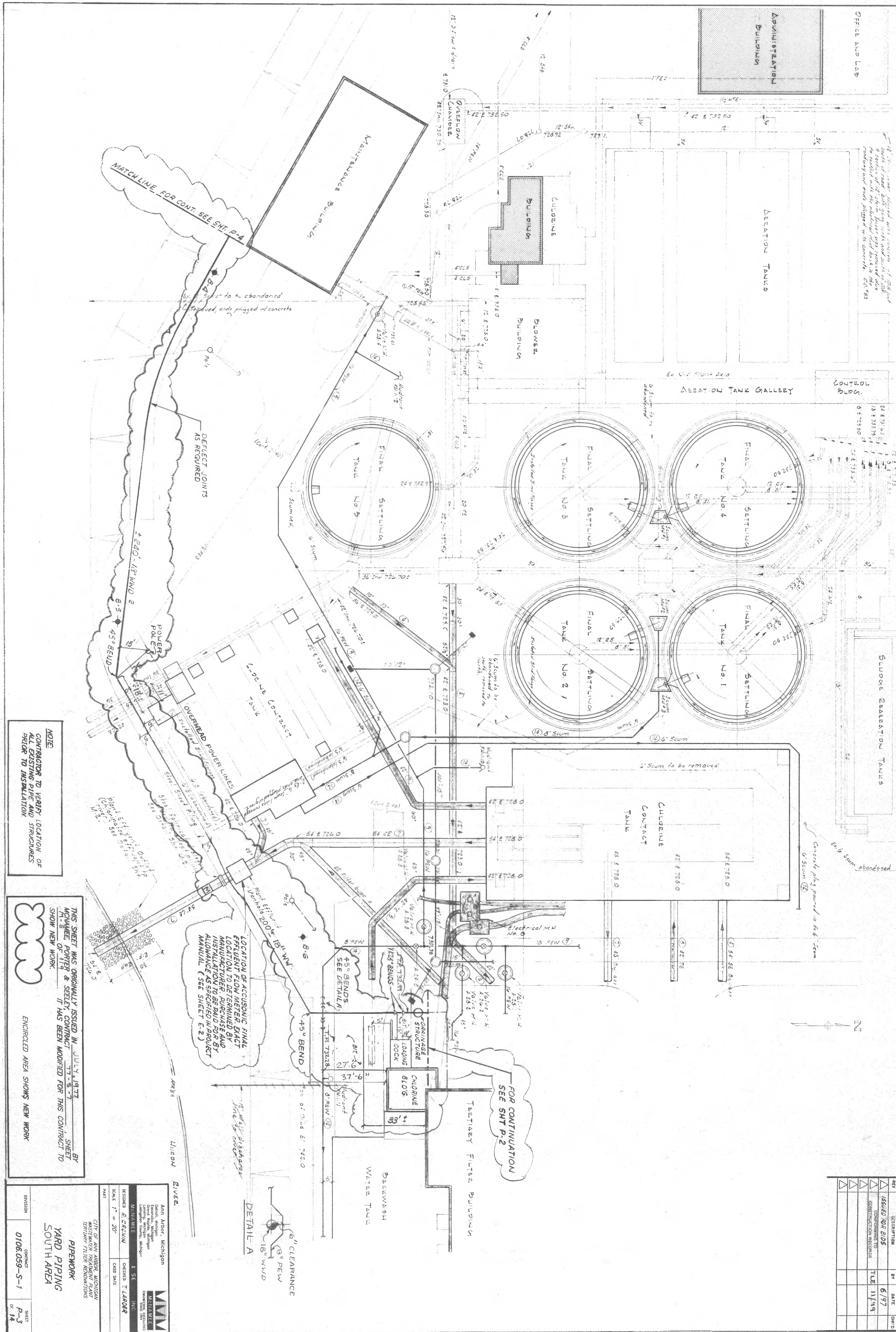


NOTE: CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING PIPE AND STRUCTURES PRIOR TO INSTALLATION.

THIS SHEET WAS ORIGINALLY ISSUED IN JULY, 1977 BY MCWANE PORTER & STEEL CONTRACT M-2 OF 117 SHEET SHOW NEW WORK. IF HAS BEEN MODIFIED FOR THIS CONTRACT TO BR-1477 SHEET EAST AREA ENCLOSED AREA SHOWS NEW WORK

ISSUED FOR BIDS	DATE	6/97
CONTRACT NO.	DATE	11/99
CONTRACTOR	DATE	
DESIGNED BY	DATE	
CHECKED BY	DATE	
SCALE	DATE	
CITY OF ANN ARBOR, MICHIGAN WASTEWATER TREATMENT PLANT TERTIARY FILTER REMOVALS		
ANN ARBOR, MICHIGAN DANIEL M. WOODS ENGINEERING INC. 1000 W. WASHINGTON ANN ARBOR, MI 48106		
CITY OF ANN ARBOR, MICHIGAN WASTEWATER TREATMENT PLANT TERTIARY FILTER REMOVALS		
DESIGNED & DRAWN BY: T. LARDER		
SCALE: 1" = 20'		
SHEET: P-2 OF 14		
CONTRACT: 0106.059-S-1		
DIVISION: PIPING EAST AREA		

12" dia. sewer located with concrete at 984' from south of road both going north and south of 12" dia. section of 12" dia. sewer was removed and replaced with the additional 12" dia. in 1983. Underneath was plugged with concrete. See 983



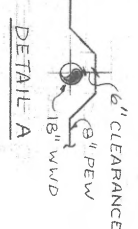
NOTE:
CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING PIPE AND STRUCTURES PRIOR TO INSTALLATION

THIS SHEET WAS ORIGINALLY ISSUED IN JULY, 1977 BY M.A. HARRIS & SONS, INC. SHEET 77-5-7. THIS SHEET HAS BEEN MODIFIED FOR THIS CONTRACT TO SHOW NEW WORK.

ENCIRCLED AREA SHOWS NEW WORK

LOCATION OF ACCURSONIC FINAL EFFLUENT FLOW METER, EXACT LOCATION TO BE DETERMINED BY MANUFACTURER. PURCHASE AND INSTALLATION TO BE PAID FOR BY ALLOWANCE AS SPECIFIED IN PRODUCT MANUAL (SEE SHEET E-2)

FOR CONTINUATION SEE SHEET P-2



PREPARED BY:
Ann Arbor, Michigan
M.A. HARRIS & SONS, INC.
1500 W. WALKER AVE.
ANN ARBOR, MICHIGAN 48106-1500
TEL: 734-769-1100

DESIGNED BY:
MICHAEL J. CREW
CHECKED BY:
T. LARSEN
DATE: 11/19/99

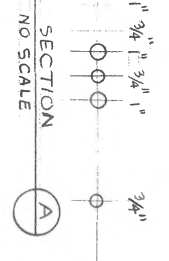
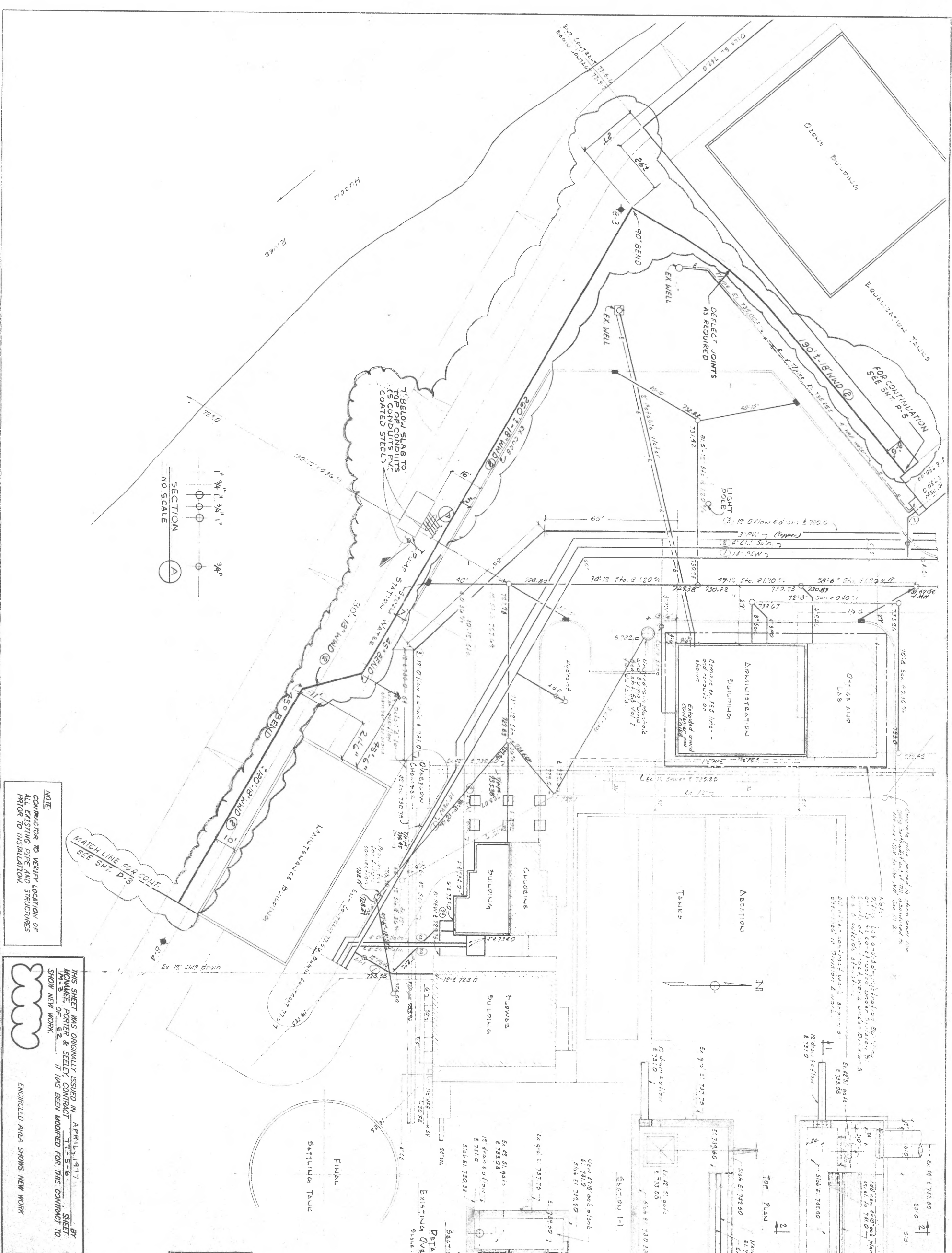
SCALE: 1" = 20'

PROJECT:
CITY OF ANN ARBOR, MICHIGAN
WASTEWATER TREATMENT PLANT
TRIPLINE FILTER RENOVATIONS

CONTRACT:
0106.059-S-1

SHEET:
P-3 OF 14

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS		6/97	
2	CONFORMING TO CONSTRUCTION RECORDS		11/99	

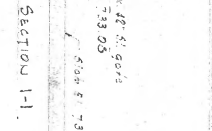
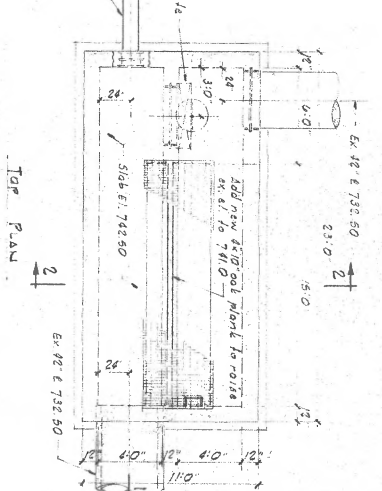


MATCH LINE FOR CONT. SEE SH. P-3

NOTE:
CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING PIPE AND STRUCTURES PRIOR TO INSTALLATION.

THIS SHEET WAS ORIGINALLY ISSUED IN APRIL, 1977 BY MCMANUE, PORTER & SEELY, CONTRACT 77-5-6. IT HAS BEEN MODIFIED FOR THIS CONTRACT TO SHOW NEW WORK.

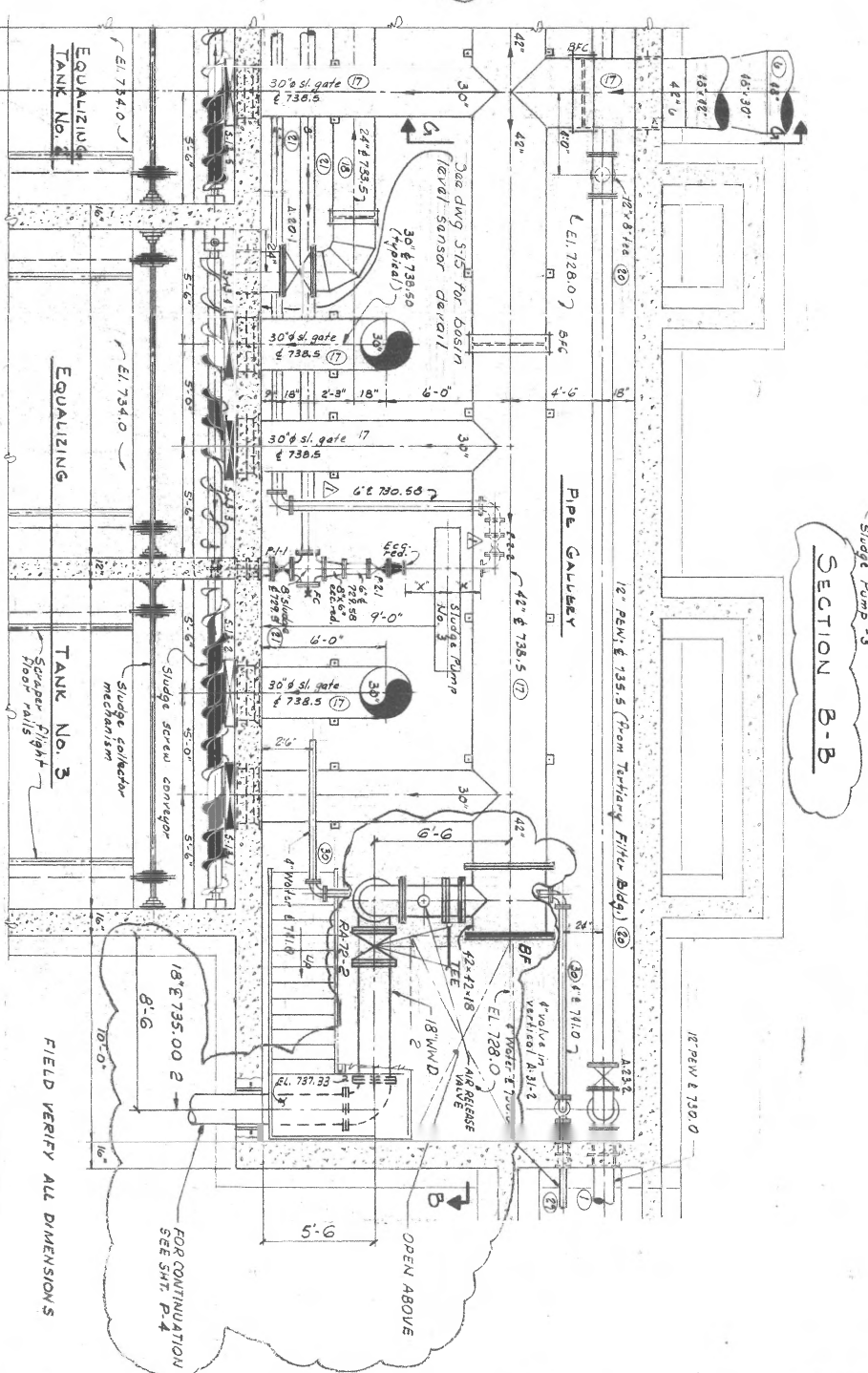
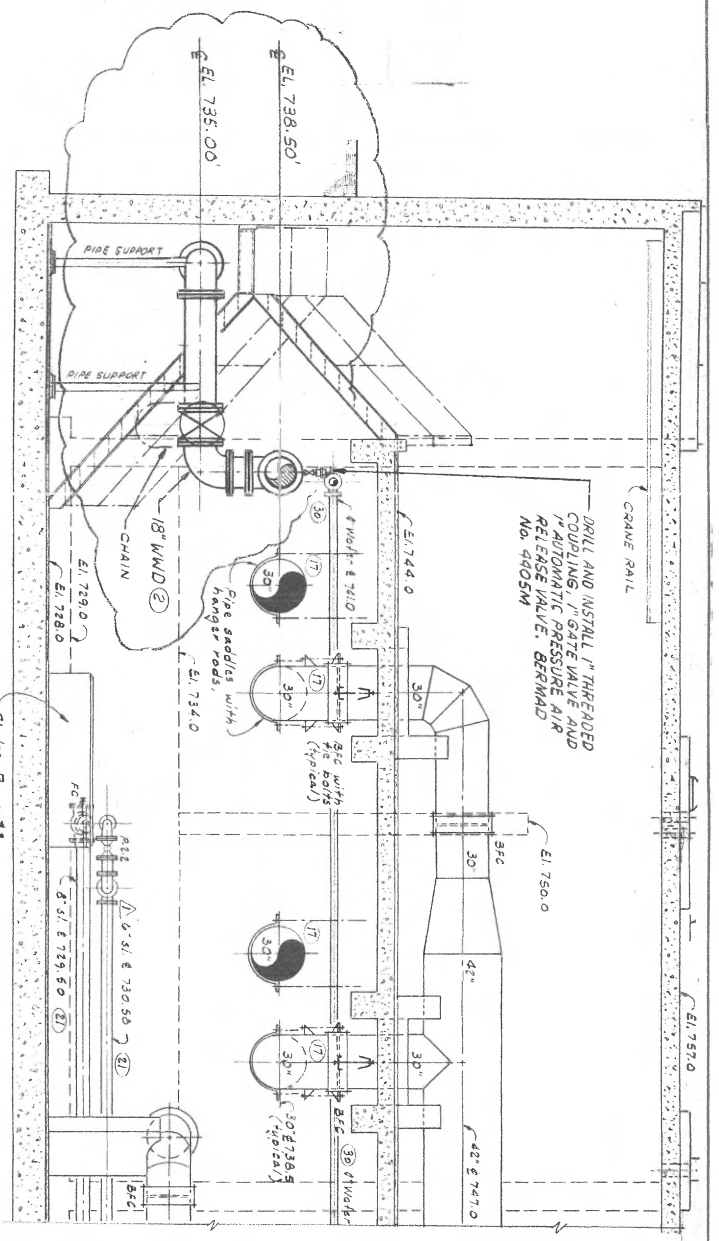
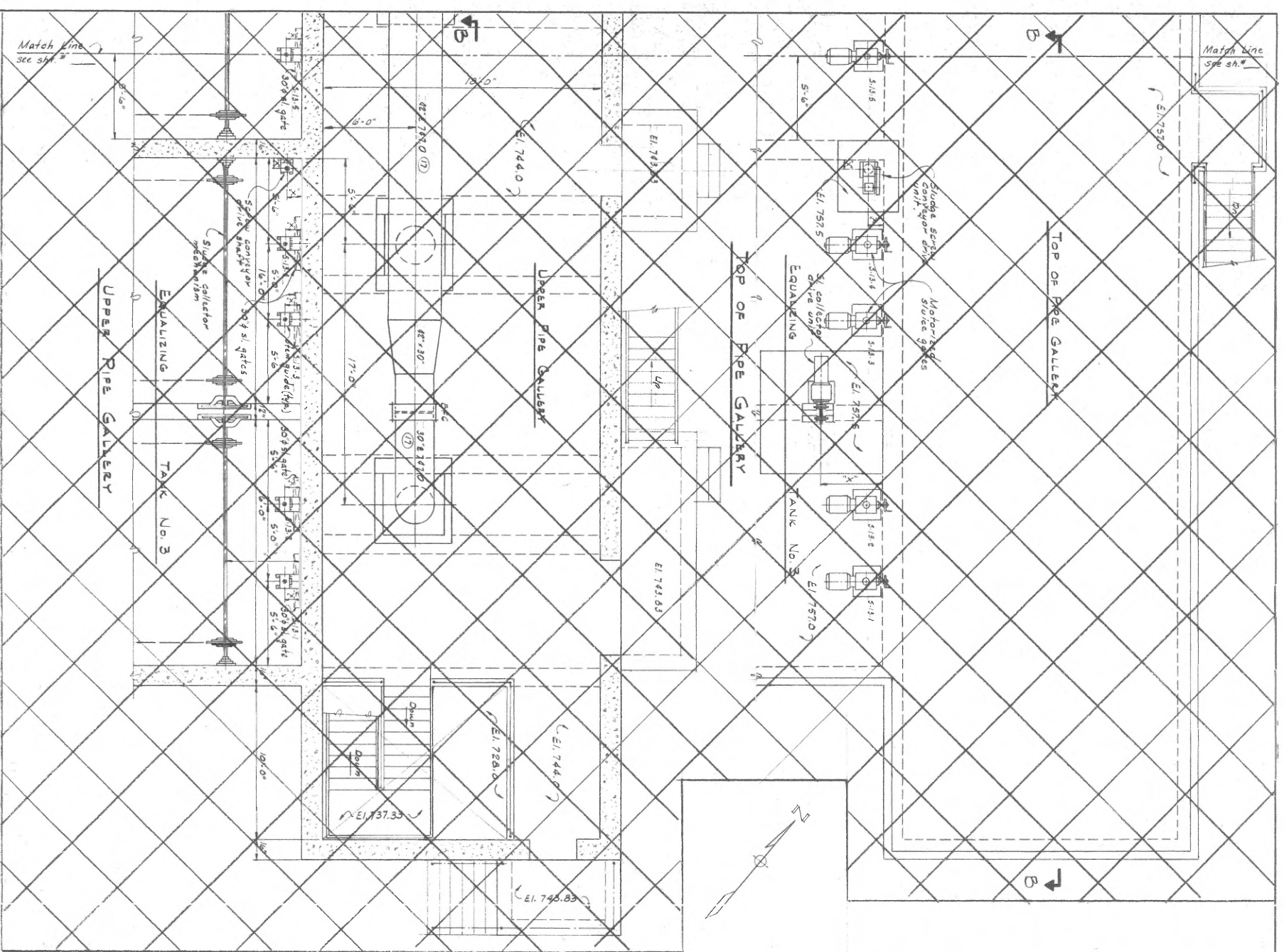
NOT: Let's of Administration Building. It is to be a 2nd floor addition. The location of new 48\"/>



REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS		6/97	
2	CONFORMING TO CONSTRUCTION RECORDS	TZE	11/97	

Ann Arbor, Michigan
 General Engineer
 Civil Rights, Michigan
 (Incorporated in Michigan)
MENNA PORTER & SEELY
ENGINEERS
 1000 W. WALKER ST. ANN ARBOR, MI 48106
 SCALE: 1" = 20'

CITY OF ANN ARBOR, MICHIGAN
 WASTEWATER TREATMENT PLANT
 YARD PIPING
 WEST AREA
 CONTRACT 0106.059-S-1
 SHEET P-4 OF 14



NOT PART OF CONTRACT DRAWINGS

THIS SHEET WAS ORIGINALLY ISSUED IN APRIL, 1977 BY MONMEE PORTER & STEEL, CONTRACT NO. 77-5-G. A PORTION OF SHEETS M-19 & M-21 OF 52. THEY HAVE BEEN COMBINED AND MODIFIED FOR THIS CONTRACT TO SHOW NEW WORK.

ENCIRCLED AREA DENOTES NEW WORK

Ann Arbor, Michigan
 General Engineer
 Office: 1000 West
 State Street, Ann Arbor, Michigan 48106
 Telephone: (313) 963-1000
 FAX: (313) 963-1001

DESIGNED BY: R. CROWIN
 CHECKED BY: T. LARDER

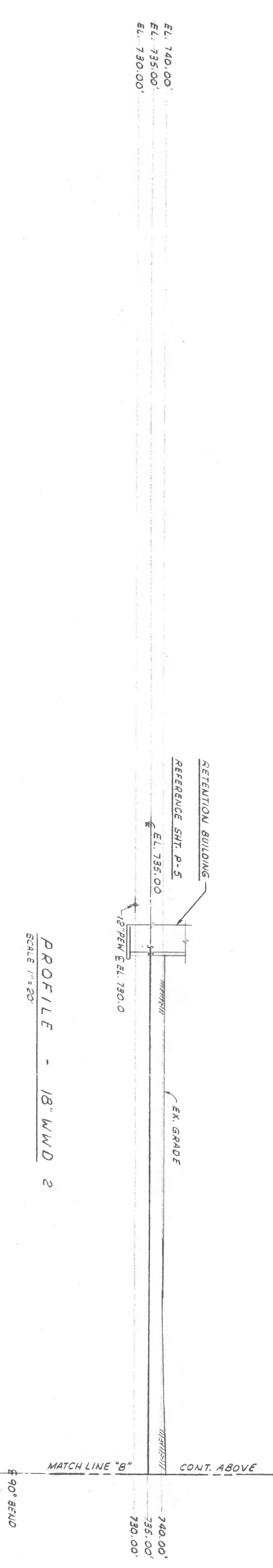
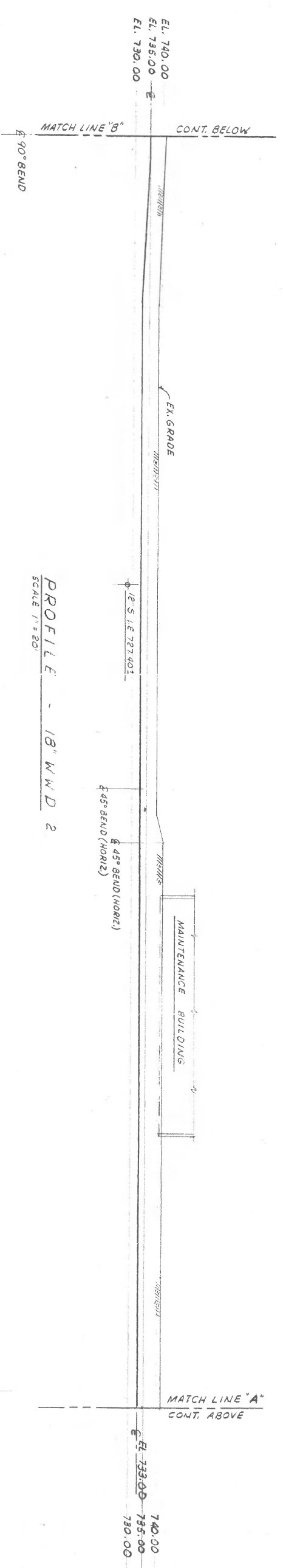
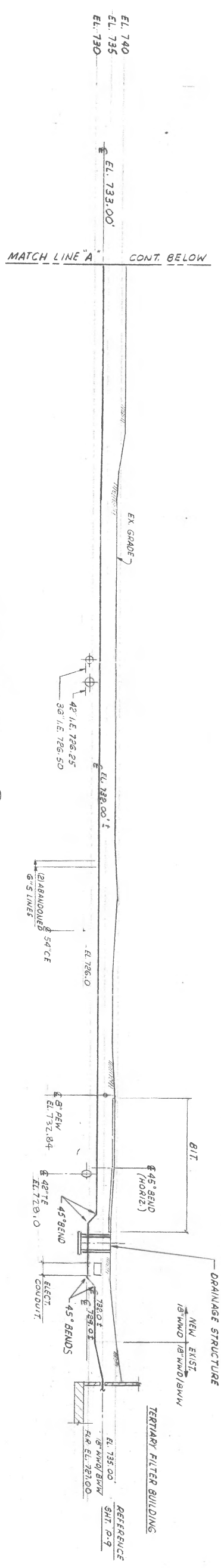
CITY OF ANN ARBOR, MICHIGAN
 WATERWORKS DEPARTMENT
 1000 WEST STATE STREET, ANN ARBOR, MI 48106

RETENTION BUILDING
 PIPEWORK

DIVISION: CONTRACT: 0106.053-S-1
 SHEET: P-5 OF 14

NO.	DESCRIPTION	BY	DATE	POST
1	ISSUED FOR BIDS		6/77	
2	CONSTRUCTION TO COMMENCE		11/79	
3	CONSTRUCTION COMPLETE			

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS		6/97	
2	CONSTRUCTION RECORDS	TLE	11/99	
3				
4				



NOTE:
CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING PIPE AND STRUCTURES PRIOR TO INSTALLATION. ALL EXISTING GRADE TO ELEV. SHOWN ARE APPROXIMATE.

ANN ARBOR, MICHIGAN
General, Michigan
Construction, Michigan
Licensing, Michigan
Michigan, Michigan

MEMORIE PARTER & SEELY, INC.
REGISTERED ENGINEERS

DESIGNED BY R. CRONIN
CHECKED BY T. LARDER
SCALE 1" = 20'

DATE

CITY OF ANN ARBOR, MICHIGAN
MUNICIPAL ENGINEER
TERTIARY FILTER RENOVATIONS

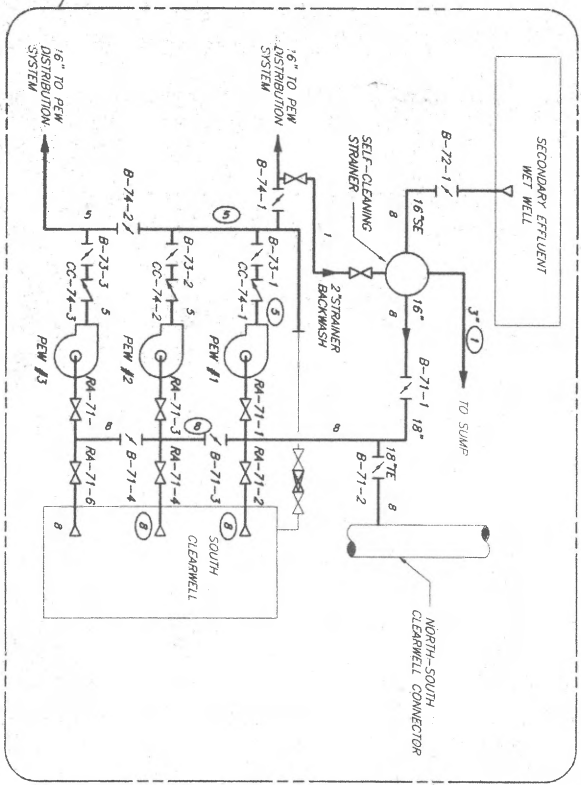
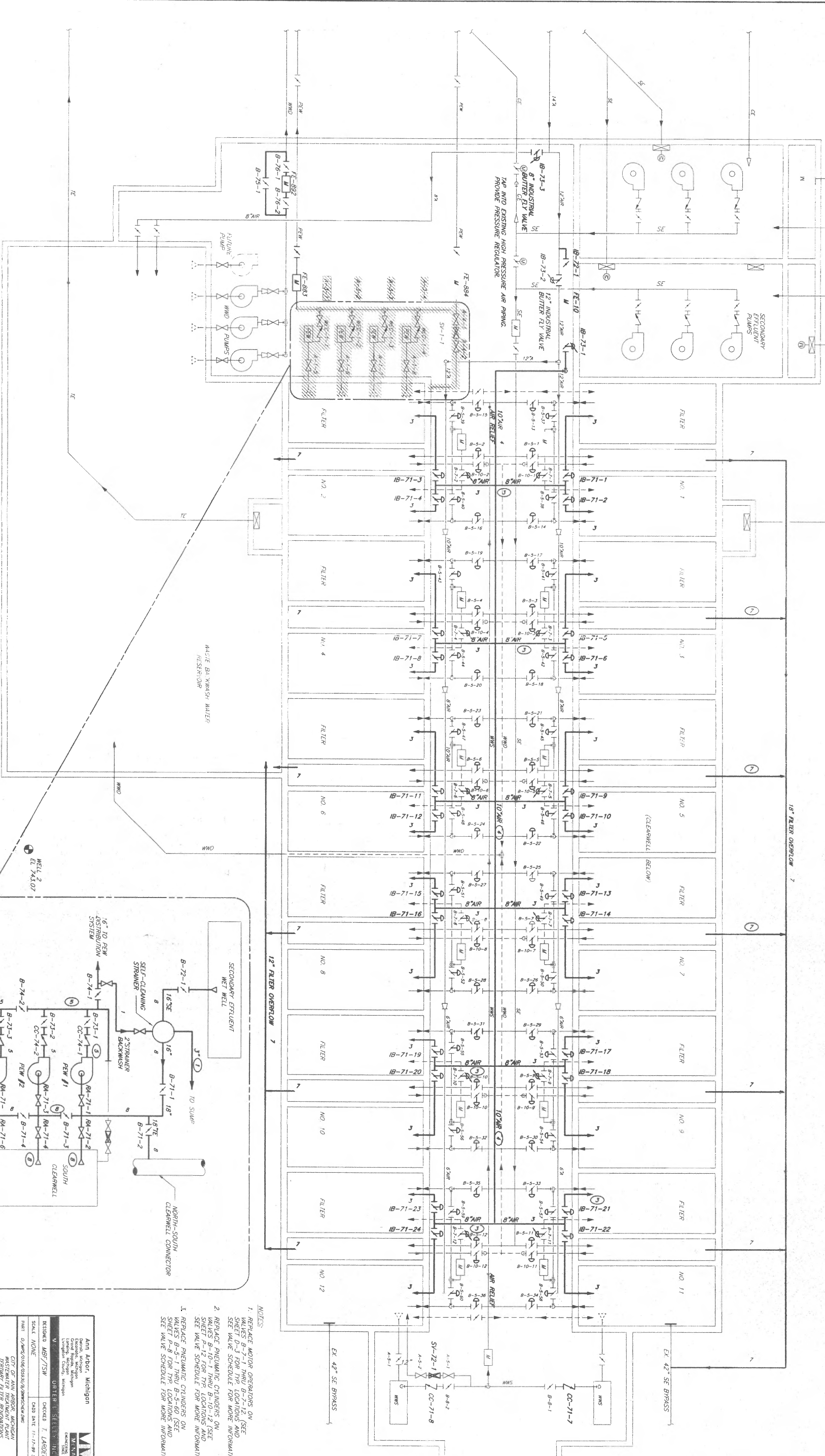
PIPEWORK

YARD PIPING
PROFILE

DIVISION CONTRACT 0106.059-S-1

SHEET P6 OF 14

REV	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	MBF	08/97
2	REV. PER ADDENDUM #1	MBF	07/97
3	CONFORMING TO CONSTRUCTION RECORDS	TLE	11/99



- NOTES:
1. REPLACE MOTOR OPERATORS ON SHEET P-3 FOR TYP LOCATIONS AND SEE VALVE SCHEDULE FOR MORE INFORMATION.)
 2. REPLACE PNEUMATIC OPERATORS ON SHEET P-12 FOR TYP LOCATIONS AND SEE VALVE SCHEDULE FOR MORE INFORMATION.)
 3. REPLACE PNEUMATIC OPERATORS ON VALVE P-8 FOR TYP LOCATIONS AND SEE VALVE SCHEDULE FOR MORE INFORMATION.)

Ann Arbor, Michigan
 CONSULTING ENGINEERS
 1000 W. WALKER
 LANSING, MICHIGAN 48202
 (313) 963-1100
 FAX (313) 963-1101

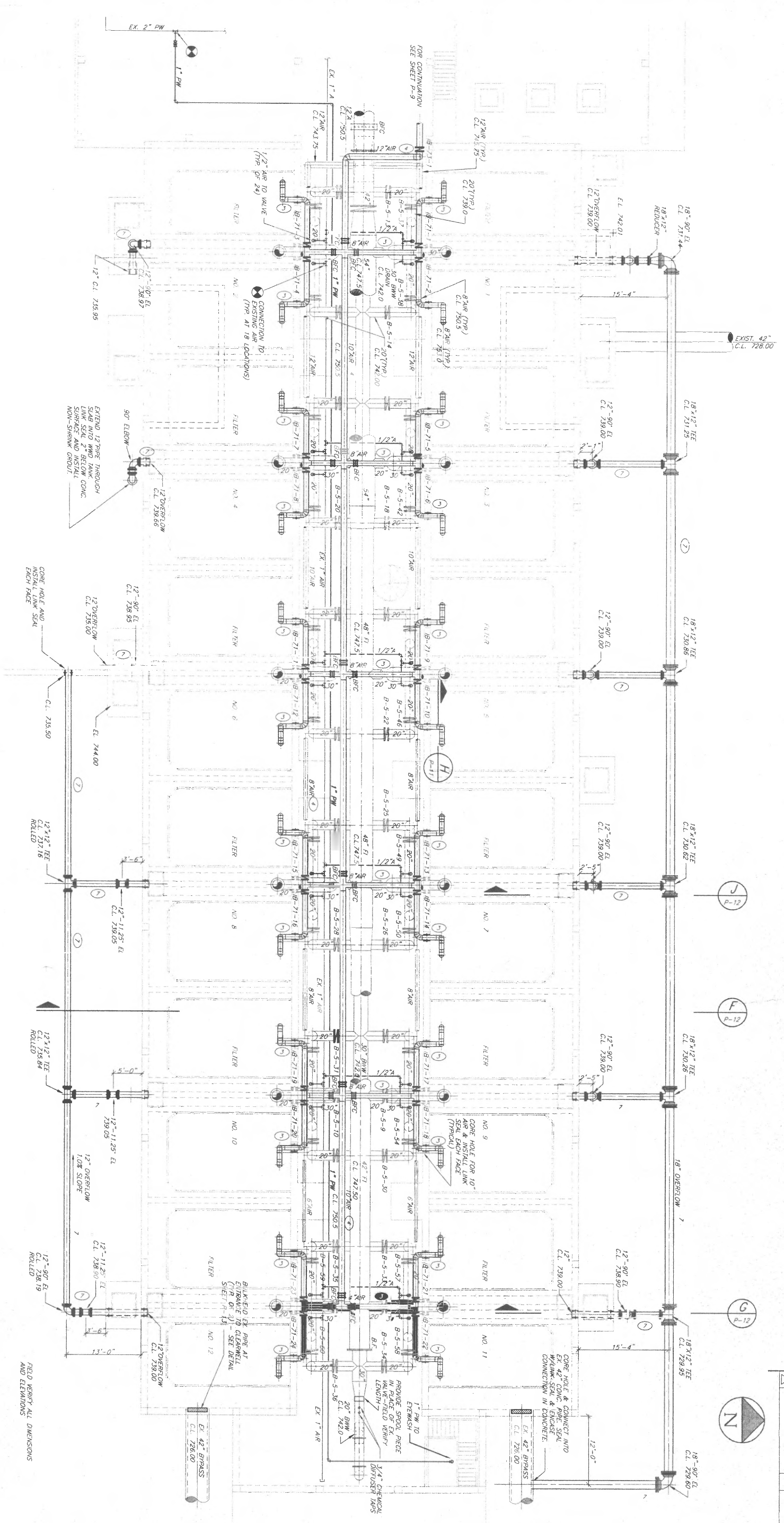
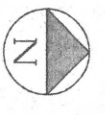
PROJECT: WALKER
 SHEET: P-7
 DATE: 11-17-99

PIPING AND VALVE SCHEMATIC
 SHEET P-7
 OF 14

WELL 1
 ELEV. 743.20

WELL 2
 ELEV. 743.07

REV	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	MBF	06/97
2	REV PER ADDENDUM # 1	MBF	07/97
3	CONFORMING TO SUBMITTAL RECORDS	TLE	11/99



Ann Arbor, Michigan
 Patrick, Michigan
 Grand Rapids, Michigan
 Lansing, Michigan
 M-211 4081818.1 SELECTED

RESUBMIT M. FULLER
 CHECKED T. LANDLER
 DATE DATE 11-17-99 S&S 19

CITY OF ANN ARBOR, MICHIGAN
 WASTEWATER TREATMENT PLANT
 TERTIARY FILTER REVISIONS

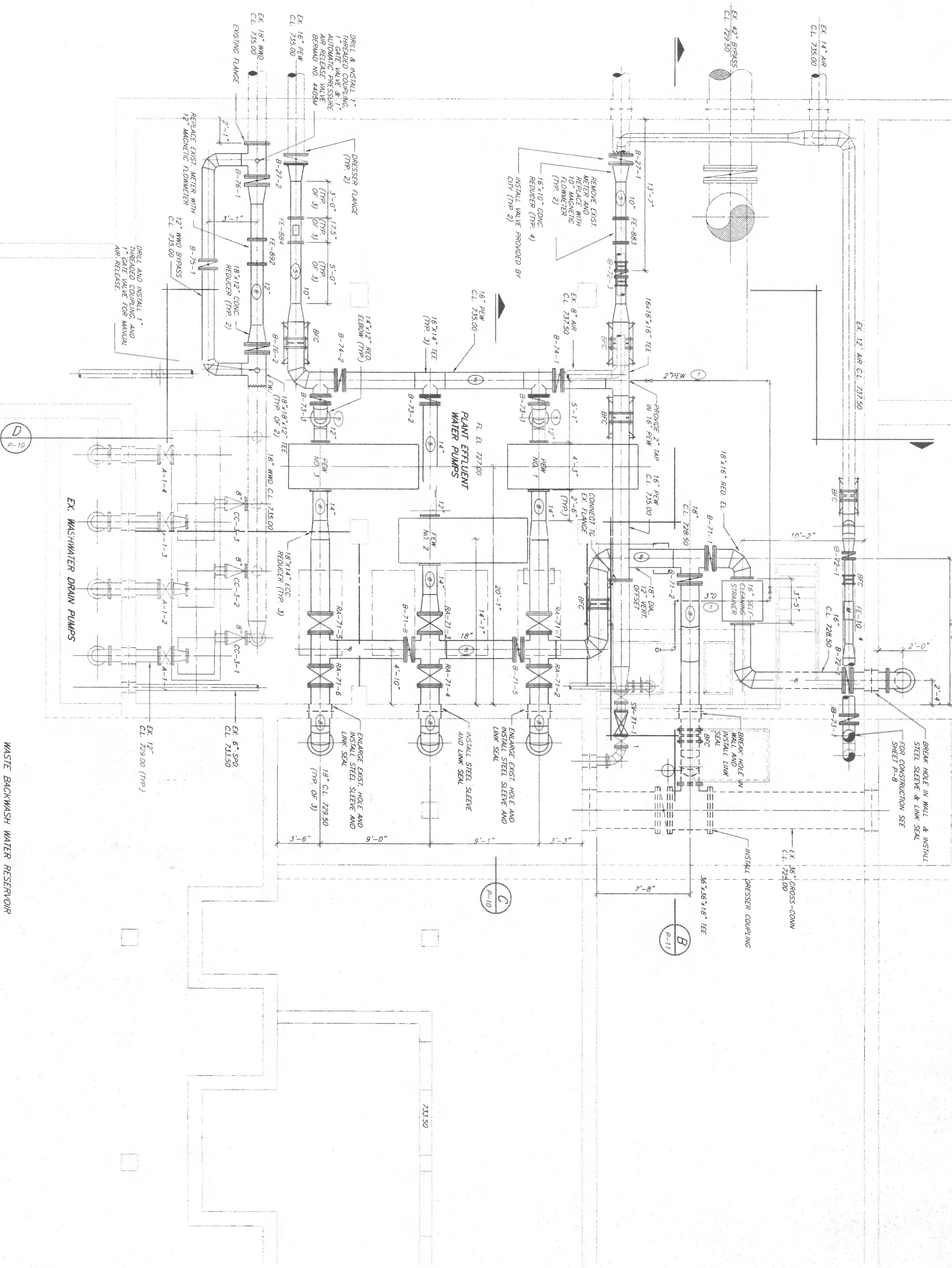
PIPEWORK

TERTIARY FILTER
 BUILDING
 PLAN

DIVISION PROJECT SHEET
 0106 059-S-1 P-8
 OF 14



REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	MBF	06/97	
2	REV FOR ADDITIONAL	MBF	07/97	
3	CONTRIBUTOR TO CONSTRUCTION RECORDS	TLE	11/99	



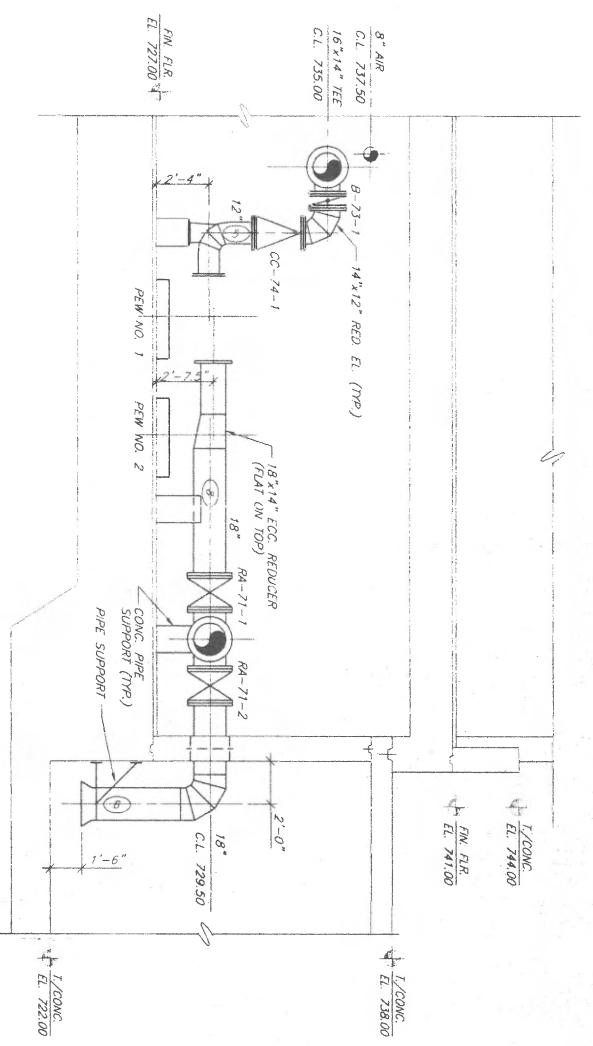
NOTE:
FIELD VERIFY ALL DIMENSIONS AND
ELEVATIONS.

Ann Arbor, Michigan
Engineering, Architecture
Lansing, Michigan
WILMINEE PORTER & STEELY, INC.
DESIGNED BY: WILMINEE PORTER & STEELY, INC.
CHECKED BY: ILLARDER
SCALE: 1/4" = 1'-0"
PART: /MS/0106/059/S-1-01.dwg
DATE: 11/9/99 5:19

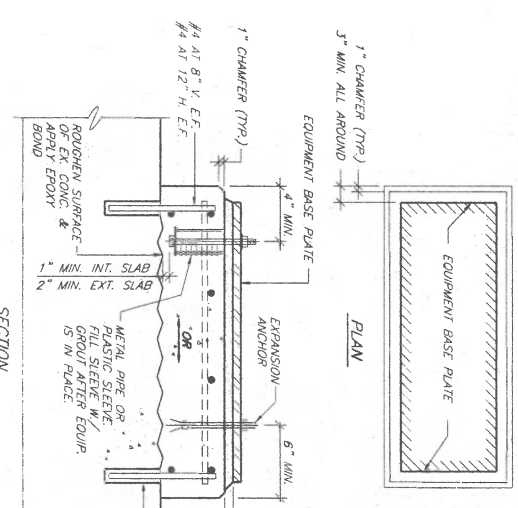
CONTRACTOR: AMERICAN WATERWORKS
PROJECT: TERTIARY FILTER BUILDING
BASEMENT PLAN -
HEAD HOUSE

PIPEWORK
TERTIARY FILTER BUILDING
BASEMENT PLAN -
HEAD HOUSE
CONTRACT: 0106.059-S-1
SHEET: P-9
OF 14

REV	DESCRIPTION	BY	DATE	CHK'D
△	ISSUED FOR BIDS	MBT	06/97	
△	CONFORMING TO CONSTRUCTION RECORDS	TLE	11/99	
△				
△				

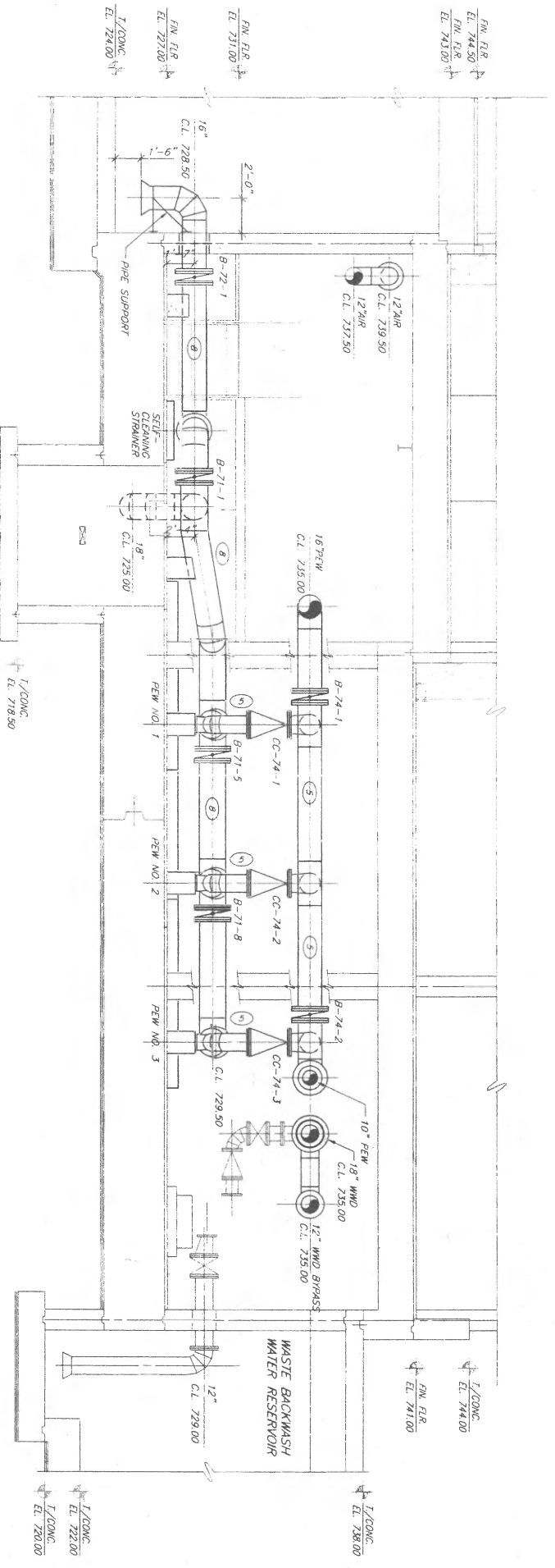


SECTION C
SCALE: 1/4"=1'-0"



SECTION
CONCRETE EQUIPMENT BASE DETAIL

- NOTES:
1. THE CONCRETE FOUNDATION WITH ANCHOR BOLTS SHOWN ON THE ANCHOR BOLTS ON THE ANCHOR BOLTS.
 2. FOR LARGE EQUIPMENT OR EQUIPMENT WITH POSSIBLE TENSION ON STRUCTURAL SHEETS. SEE STANDARD ANCHOR BOLTS DETAIL ON STRUCTURAL SHEETS.
 3. FOR ANCHOR BOLT PROTECTION REQUIREMENTS, SEE STANDARD ANCHOR BOLTS DETAIL ON STRUCTURAL SHEETS.



SECTION D
SCALE: 1/4"=1'-0"

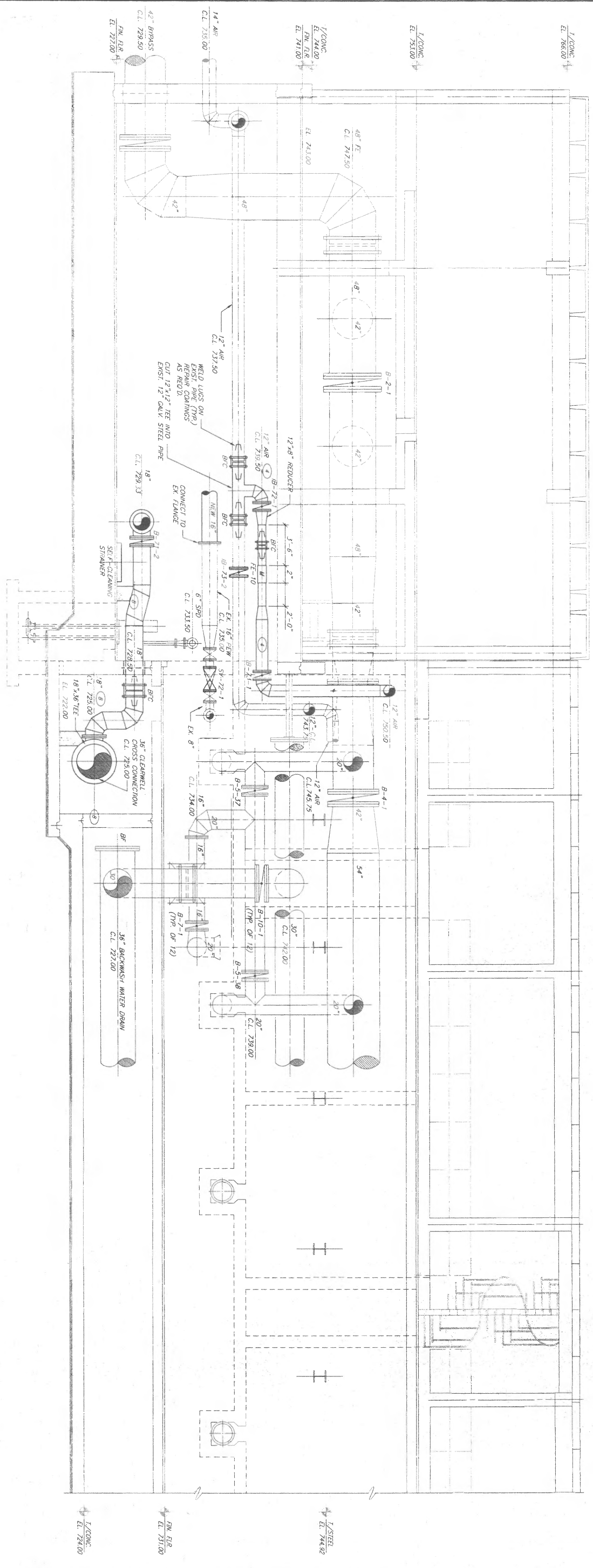
NOTE:
FIELD VERIFY ALL DIMENSIONS AND ELEMENTS.

Ann Arbor, Michigan
 WENDELL PORTER & STEEL, INC.
 10000 W. WOODLAND AVE.
 WILSON, MICHIGAN 48196
 (313) 286-1000

DESIGNED BY: J. WAGENMAKER
 CHECKED BY: T. LARSEN
 SCALE: 1/4"=1'-0"
 DATE: 10-12-99
 SHEET: P-10 OF 14

CONTRACT: 0106.059-S-1
 DIVISION: PIPework
 SHEET: P-10 OF 14
 TERTIARY FILTER BUILDING SECTIONS

REV	DESCRIPTION	BY	DATE	CHK'D
△	ISSUED FOR BIDS	MBP	06/97	
△	REV. FOR ADDENDUM # 1	MBP	07/97	
△	REVISIONS TO CONSTRUCTION RECORDS	TE	11/99	
△				



SECTION
SCALE: 1/4"=1'-0"
B
P-9

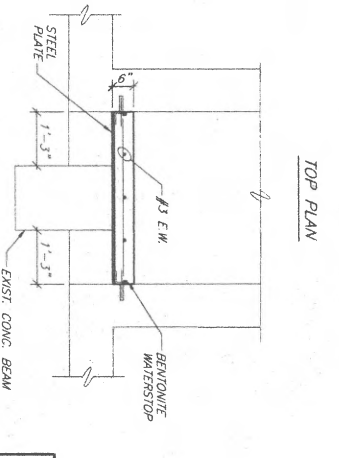
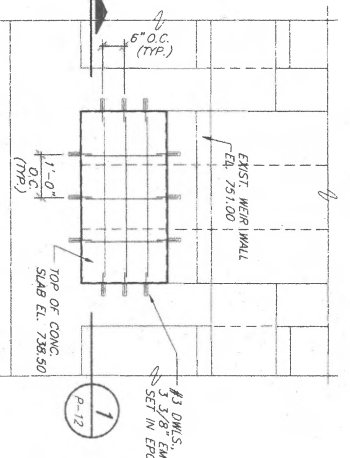
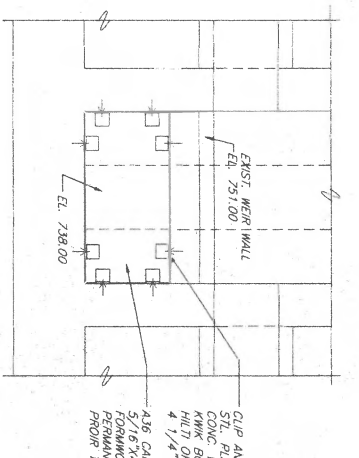
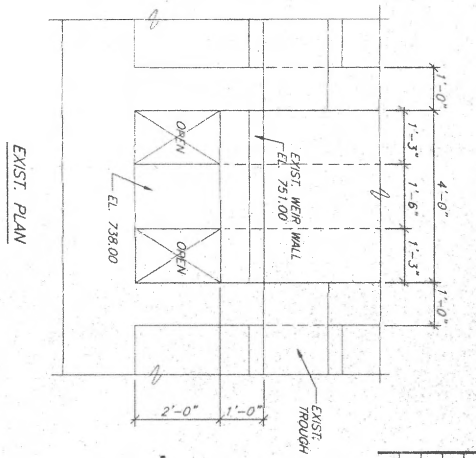
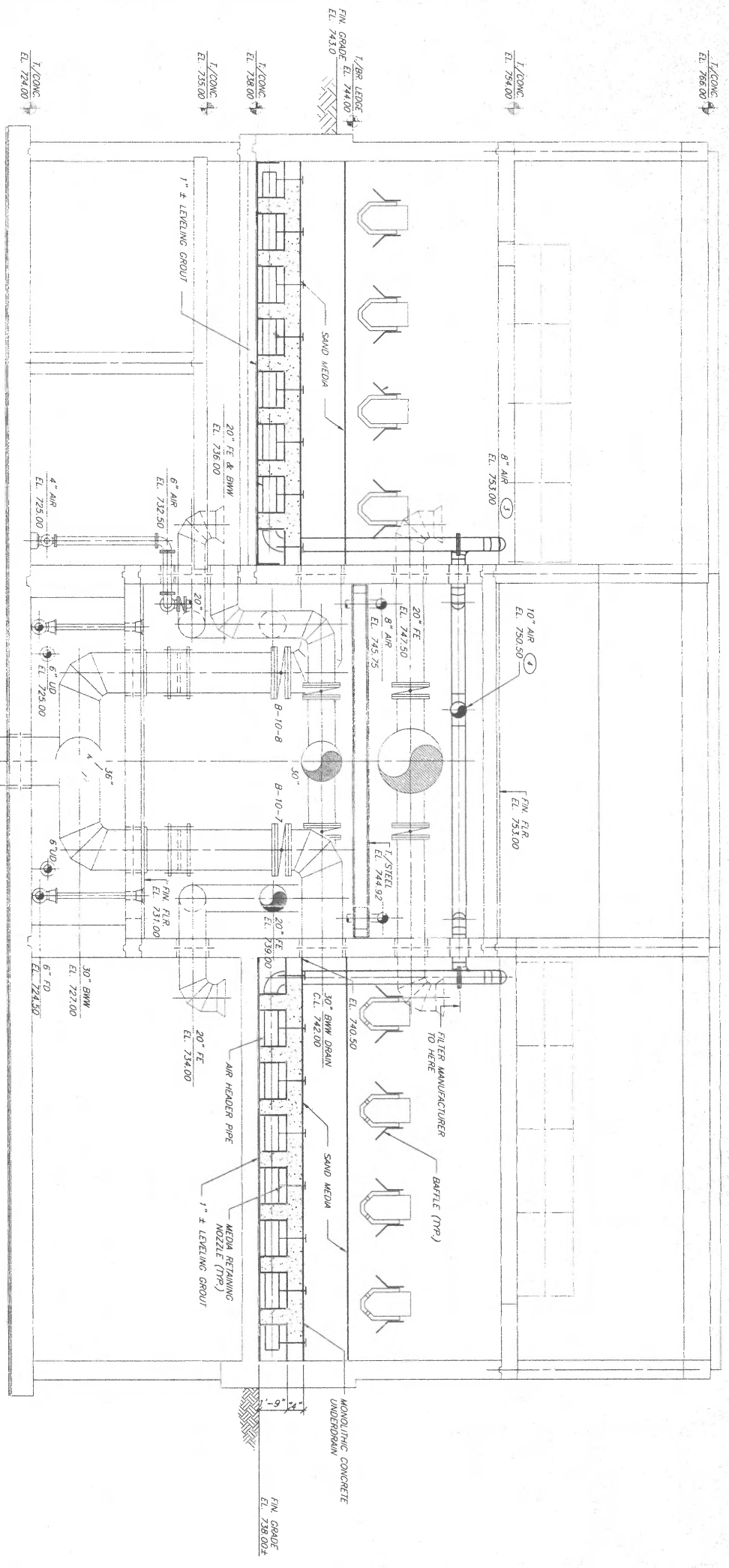
NOTE:
FIELD VERIFY ALL DIMENSIONS AND
ELEVATIONS

Ann Arbor, Michigan
General Contractor
City of Ann Arbor, Michigan
Lansing County, Michigan
MICHIGAN PORTER & STEEL, INC.
WESTLAFOR
RESIDUAL I. MACHENIKER DECKED FLANDER
SCALE: 1/4"=1'-0"
DATE: 02/09/00
CITY OF ANN ARBOR, MICHIGAN
TERTIARY FILTER RENOVATIONS
PIPEWORK

TERTIARY FILTER
BUILDING SECTIONS

DIVISION CONTRACT SHEET
0106.059-S-1 P-11
OF 14

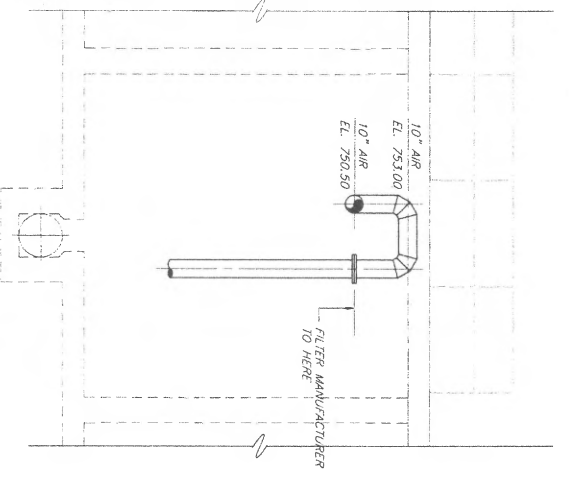
REV.	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	MB	06/97
2	CONFORMING TO RECORDS	TLE	11/99
3			
4			



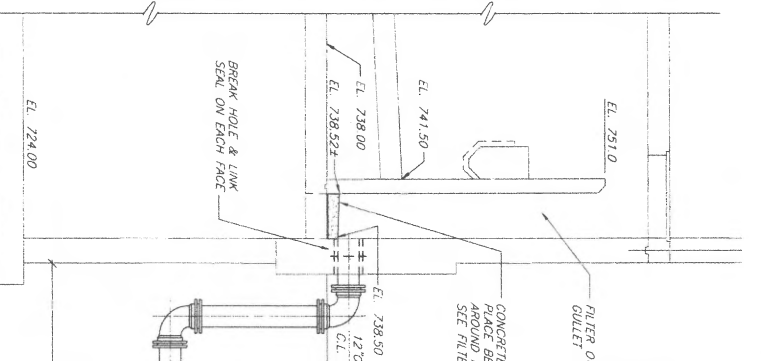
SECTION 1
FILTER OVERFLOW CULLET DETAIL
SCALE: 1/2" = 1'-0"

SECTION F
SCALE: 1/4" = 1'-0"

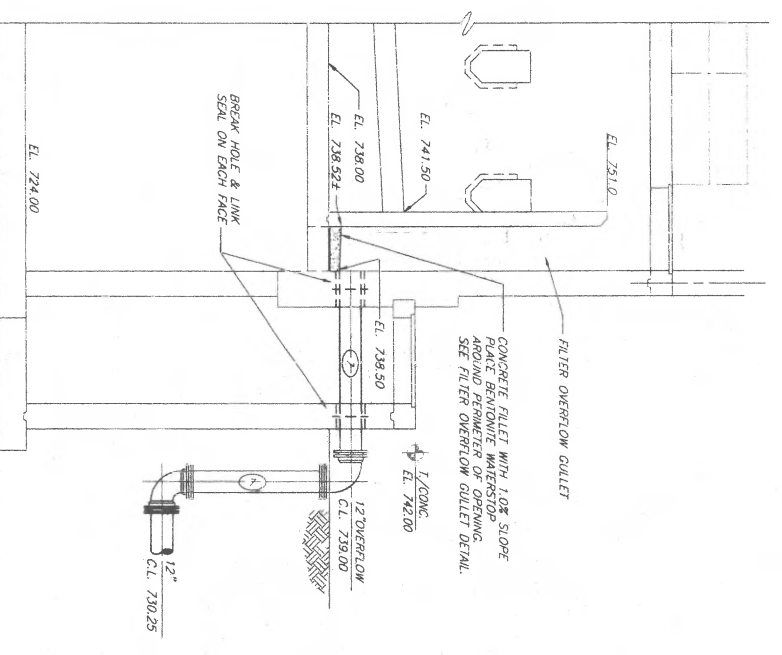
• PER MANUFACTURER'S RECOMMENDATIONS
NOTE:
CONTRACTOR TO PREPARE SURFACES AFTER DEMOLITION TO RECEIVE EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS INCLUDING BUT NOT LIMITED TO BONDING/SEALING SYSTEMS.



SECTION H
SCALE: 1/4" = 1'-0"



SECTION J
SCALE: 1/4" = 1'-0"



SECTION G
SCALE: 1/4" = 1'-0"

NOTE:
FIELD VERIFY ALL DIMENSIONS AND ELEVATIONS.

Ann Arbor, Michigan
Perini, Michigan
Lansing, Michigan
M-NAME FILTER & SEALS, INC.
ENGINEERING DIVISION

DESIGNED: JSM/MBP
SCALE: 1/4" = 1'-0"
CHECKED: JTL/MBP
DATE: 05/09/00
CADD DATE: 10-17-99
DWT OF ANN ARBOR, MICHIGAN
WASTEWATER TREATMENT PLANT
TERTIARY FILTER RENOVATIONS
PIPEWORK

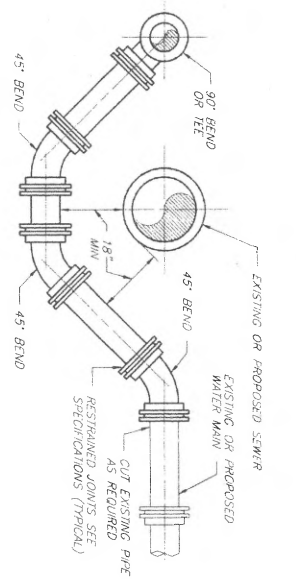
TERTIARY FILTER
BUILDING SECTIONS

DRAWING NO. 0106 059-S-1
SHEET P-12
OF 14

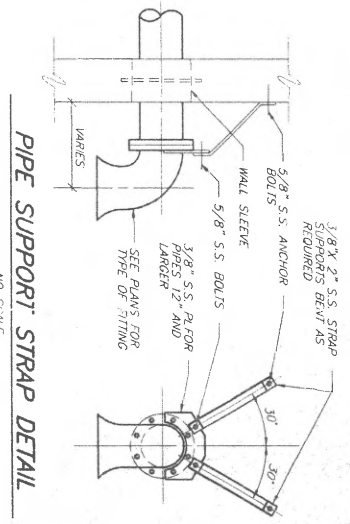
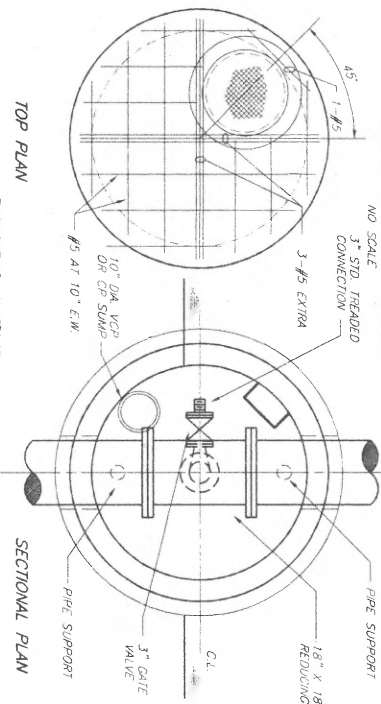
**PIPE RESTRAINT SCHEDULE
GROUND BURIED PRESSURE PIPE - DUCTILE IRON AND PVC PIPE**

PIPE DIAMETER	TEES, 90° BENDS	45° BENDS	22-1/2° BENDS	11-1/4° BENDS	DEAD ENDS	REDUCERS (ONE SIZE REDUCTION)*	REDUCERS (TWO SIZE REDUCTIONS)**
4	11	5	2	1	28	21	132
6	16	7	3	1	41	21	132
8	21	9	4	2	52	21	132
12	30	12	6	3	75	40	94
16	38	16	8	4	97	41	96
20	46	19	9	5	118	42	94
24	54	22	11	5	139	42	92
30	65	27	13	6	169	59	117
36	75	31	15	7	197	59	132

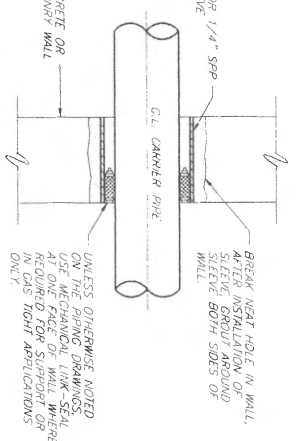
LENGTHS OF PIPE RESTRAINT ARE GIVEN IN FEET.
IF REQUIRED PIPE DIAMETER IS NOT LISTED IN THIS TABLE, THE NEXT LARGEST PIPE DIAMETER SHALL BE USED.
THIS TABLE IS BASED ON A TEST PRESSURE OF 180 PSIG (OPERATING PRESSURE PLUS WATER HAMMER FOR OTHER TEST PRESSURES). ALL VALUES TO BE INCREASED OR DECREASED PROPORTIONALLY.
THE VALUES PROVIDED OF RESTRAINT LENGTH ARE IN EACH DIRECTION FROM THE POINT OF DEFLECTION OR TERMINATION EXCEPT FOR TEES, AT WHICH ONLY THE BRANCH IN THE DIRECTION OF THE STEM.
IF THE ROOS ARE USED, USE FOUR ROOS MAXIMUM AND ADD 1/8-INCH TO PIPE DIAMETER AS CORROSION ALLOWANCE.
* SIZE REDUCTION IS BASED UPON THE PIPE DIAMETER SHOWN IN THIS TABLE.
BASED UPON:
INTERNAL PRESSURE: 180
PIPE DEPTH: TYPE 4
SOIL TYPE: GOOD SAND
SAFETY FACTOR: 2



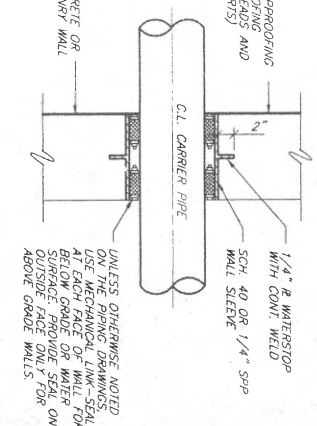
**WATER MAIN RELOCATION
AT SEWER CROSSING**



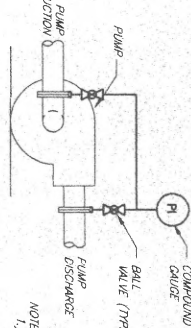
PIPE SUPPORT STRAP DETAIL



**TYPICAL PIPE SLEEVE
IN INTERIOR PIPE WALL
ABOVE GRADE AND/OR WATER**



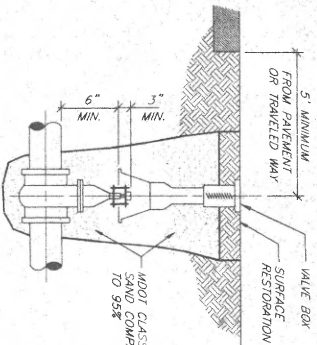
**TYPICAL PIPE SLEEVE
IN EXTERIOR PIPE WALL
OR INTERIOR
WATER RETAINING WALL**



**TYPICAL PUMP
PRESSURE TAPS**

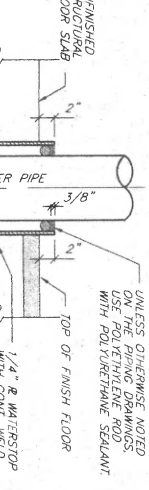
PRESSURE GAUGE SCHEDULE		
SERVICE	GAUGE RANGE	GAUGE RANGE
P.W. PUMPS (SECTION)	30 IN. HG. TO 0 PSIG	
P.W. PUMPS (DISCHARGE)	0 TO 100 PSIG	

NOTES:
1) PRESSURE GAUGES REQUIRED ON ALL PUMPS.
2) PROVIDE DAMPING ON ALL PRESSURE GAUGES TO PROTECT FROM SURGE, SCUM AND CHEMICAL PUMPS.

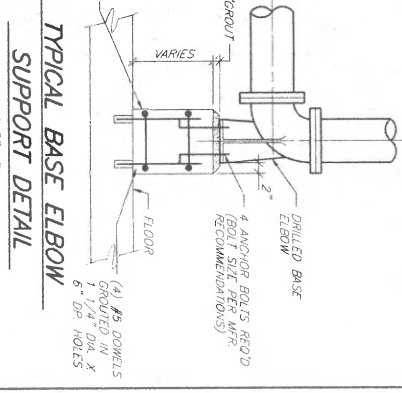


GATE VALVE AND BOX

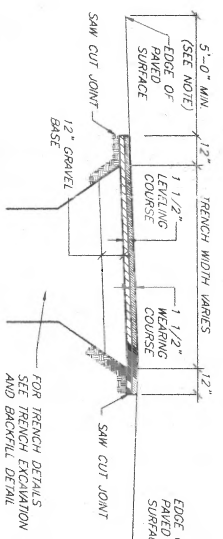
NOTE: VALVE BOX SHALL NOT REST ON VALVE OR MAIN LINE PIPE.



**TYPICAL PIPE SLEEVE
THROUGH INTERIOR FLOOR SLAB
FOR PIPING 4\"/>**

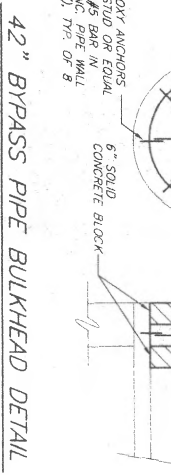


TYPICAL SUPPORT BASE ELBOW



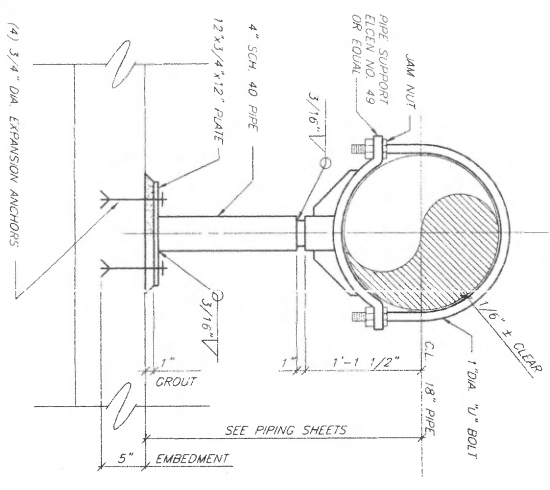
**PAVEMENT RESTORATION
TYPE - A**

NOTE: SHALL BE RESTORED TO ORIGINAL SURFACE TO EDGE OF PAVEMENT SURFACE.

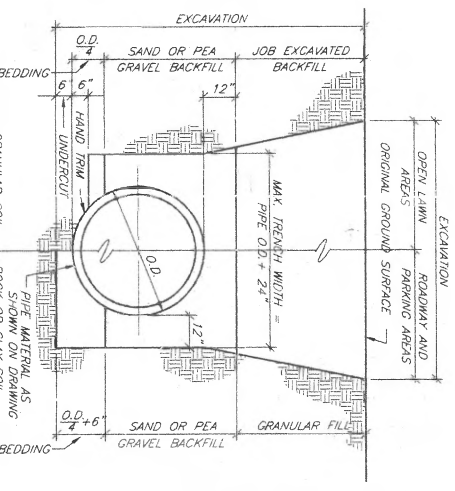


42\"/>

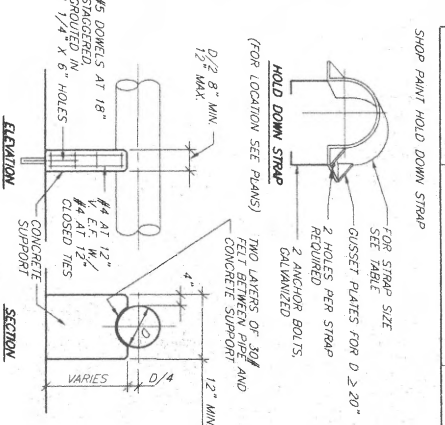
PIPE SIZE	STRAP DIMENSION	ANCHOR BOLTS
4\"/>		
12\"/>		
24\"/>		



18\"/>



**TRENCH EXCAVATION
AND BACKFILL**

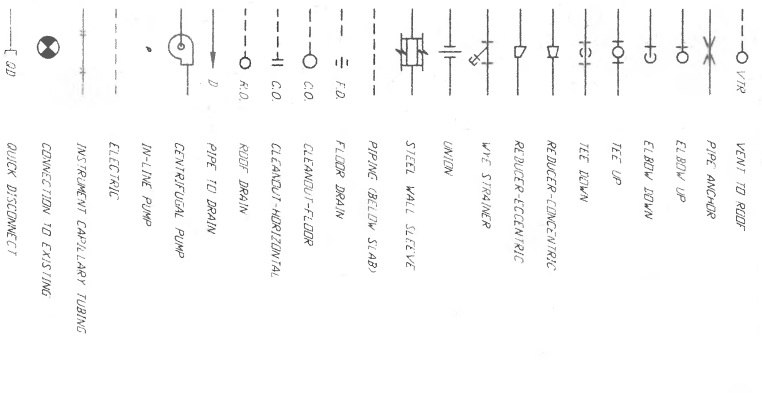


CONC. PIPE SUPPORT

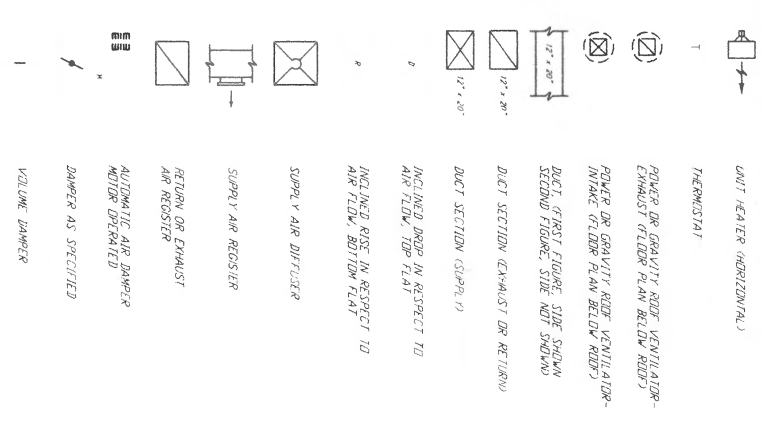
ANN ARBOR, MICHIGAN
RESIDENT E. KELVIN
SCALE: NONE
CHECKED: I. LANDRUM
DATE: 08-17-97
CITY OF ANN ARBOR, MICHIGAN
WESTWATER TREATMENT PLANT
TERTIARY FILTER RENOVATIONS
PIPEWORK
DETAILS

CONTRACT NO. 0106059-S-1
SHEET P-15
OF 14

GRAPHIC SYMBOLS FOR PIPING AND EQUIPMENT ITEMS



GRAPHIC SYMBOLS FOR HEATING, VENTILATION, & AIR CONDITIONING



HVAC ABBREVIATIONS

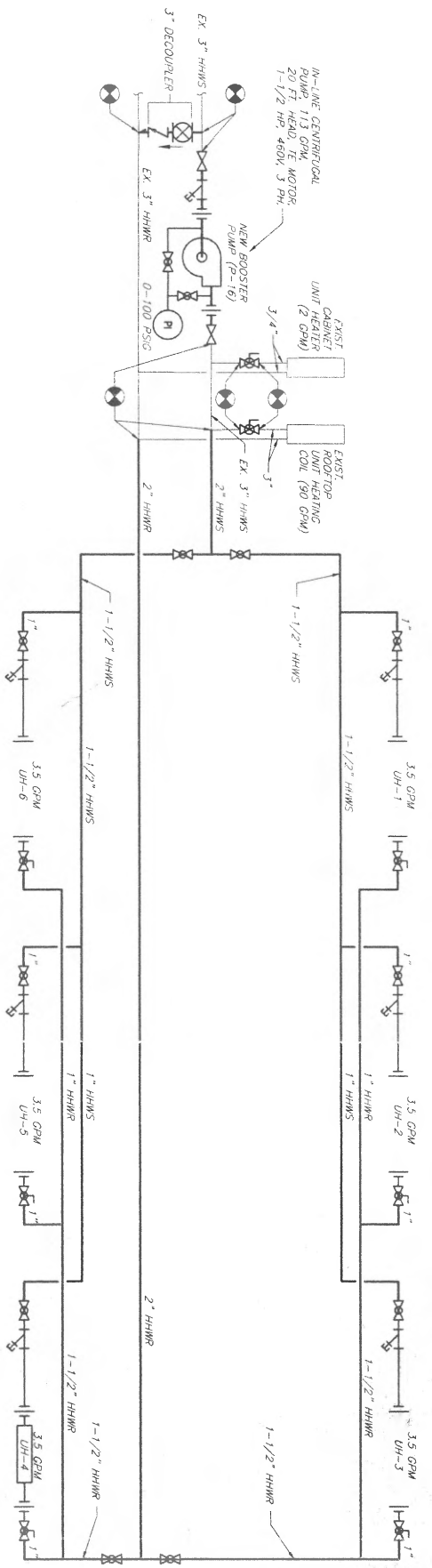
- AD AUTOMATIC DAMPER
- AV HEATING AND VENTILATING UNIT
- AVC HEATING VENTILATING AND AIR CONDITIONING UNIT
- DA DUCT AIR
- DAI DUCT AIR INTAKE
- RAI RETURN AIR INTAKE
- RAE RETURN AIR REGISTER
- RR ROOF REGISTER
- RV ROOF VENTILATOR
- SAD SUPPLY AIR DIFFUSER
- SAI SUPPLY AIR INTAKE
- SP SUPPLY FAN
- TCP TEMPERATURE CONTROL PANEL
- UH UNIT HEATER
- WF WALL FAN

PLUMBING ABBREVIATIONS

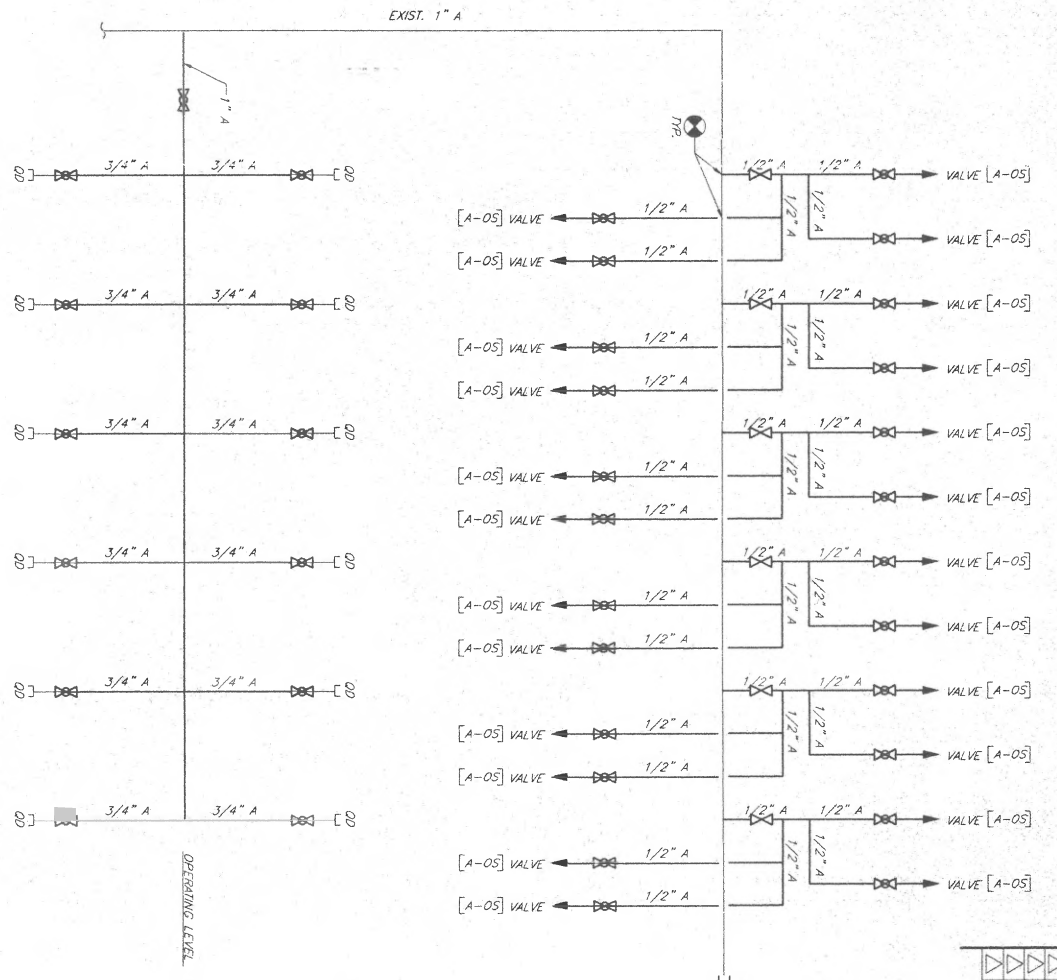
- A COMPRESSED AIR
- CLS CHEMICAL SOLUTION
- CLS COLD WATER
- CLS HOT WATER
- CLS HEATING HOT WATER RETURN
- CLS HEATING HOT WATER SUPPLY
- CLS PLANT EFFLUENT WATER
- PV POTABLE WATER
- RD ROOF DRAIN
- RD ROOF DRAIN LEADER
- SD SANITARY DRAIN
- SD STORM DRAIN
- SV SERVICE WATER
- V VENT
- VTR VENT TO ROOF

GENERAL NOTES:

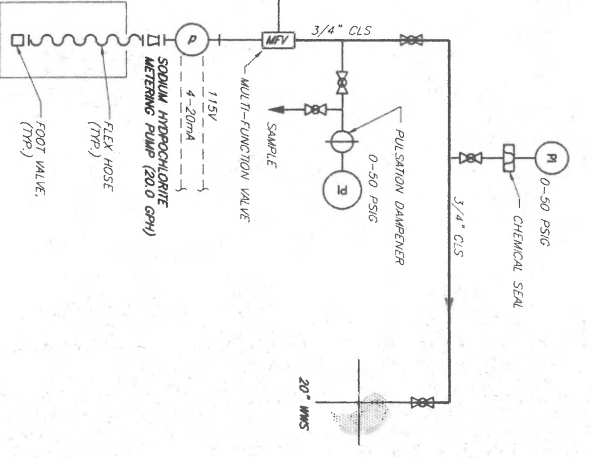
- 1) A SUFFICIENT NUMBER OF UNIONS SHALL BE PROVIDED AND PLACED AT THE POINTS OF CONNECTION TO FACILITATE THE REMOVAL OF EQUIPMENT WITHOUT HAVING TO CUT PIPE CONNECTED TO.
- 2) PIPE SIZES SHOULD BE THE SAME SIZE OR LARGER THAN THE OPENING ON THE EQUIPMENT THEY ARE CONNECTED TO.
- 3) PRESSURE TAPS SHALL BE LOCATED ON THE TOP OF PROCESS PIPE LINES.
- 4) DRAIN TAPS SHALL BE LOCATED ON THE BOTTOM OF PROCESS PIPE LINES.
- 5) MINIMUM CLEARANCE BETWEEN PIPES INCLUDING INSULATION SHALL BE 3".
- 6) SHUT-OFF VALVES TO BE FURNISHED AT ALL EQUIPMENT LOCATIONS AND WHERE PIPING ENTERS OR LEAVES STRUCTURES.
- 7) LIGHTER WEIGHT LINES SHOW EXISTING OR NON-MECHANICAL WORK. HANGER LINES SHOW NEW MECHANICAL WORK.
- 8) [Z] DENOTES EQUIPMENT, PIPE & DUCT AREAS OF DEMOLITION.
- 9) AIR BALANCE AND WATER BALANCE EXISTING AND NEW SYSTEMS TO FLOWS INDICATED ON THE W SHEETS.
- 10) CONTRACTOR SHALL PROVIDE THEIR OWN EQUIPMENT AND TOOLS TO PERFORM ALL WORK. CONTRACTOR WILL NOT USE ANY WHP OWNED EQUIPMENT, TOOLS, ETC.
- 11) REFER TO SPEC. SECTION 15010 FOR CORROSION RESISTANT REQUIREMENTS.



HEATING HOT WATER SCHEMATIC



COMPRESSED AIR SCHEMATIC



SODIUM HYPOCHLORITE SCHEMATIC

LEGEND AND SCHEMATICS

MECHANICAL

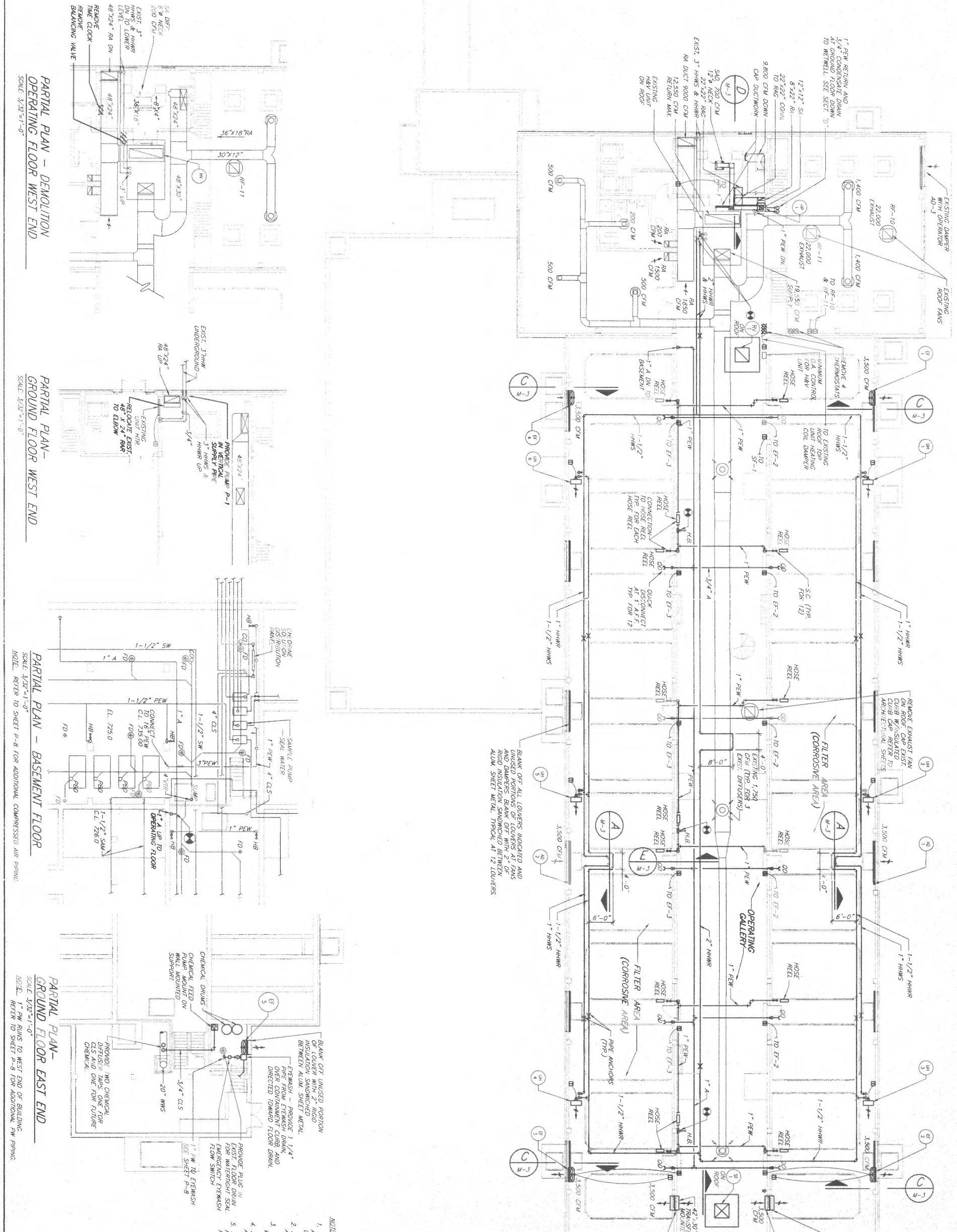
Ann Arbor, Michigan
 Daniel, Mann, Johnson & Mendenhall, Inc.
 10000 E. Grand River, Suite 1000
 East Lansing, Michigan 48823
 MICHAEL, FORTER & SEELY, INC.
 10000 E. Grand River, Suite 1000
 East Lansing, Michigan 48823

DESIGNED BY: MEER
 CHECKED BY: DOMINIS
 SCALE: NONE
 DATE: 11/19/99
 SHEET: M-1
 OF: 4

PROJECT: 01W010418 (SARBY) W/2000000
 CITY OF ANN ARBOR, MICHIGAN
 WASTEWATER TREATMENT PLANT
 EFFLUENT FILTER RECONSTRUCTION

CONTRACT: 0106.059-S-1

DATE FOR BIDS	06/97
DATE FOR RECORDS	11/99
DATE FOR CONSTRUCTION RECORDS	



NOTES:

- PROVIDE THERMOSTATS SWITCHES ELECTRICAL CONDUIT AND WIRING NECESSARY TO SATISFY CONTROL SEQUENCES ON SHEET M-4.
- ALL EQUIPMENT IN FILTER AREA SHALL BE WASHDOWN PROOF AND HAVE CORROSION COATINGS PER SPECIFICATION 15010.
- 42"x30" TRANSFER AIR DUCT SHALL BE INSTALLED FLUSH IN WALL WITH BOTTOM 4'-0" FROM FLOOR.
- AIR AND WATER BALANCE EXISTING AND NEW SYSTEMS TO AIR AND WATER FLOWS SHOWN.
- REMOVE AND CONNECT COMPRESSED AIR PIPING AT EACH EQUIPMENT OPERABLE (TYP. FOR 12 SUB-DATA). REFER TO SHEET E-16.

OPERATING FLOOR PLAN

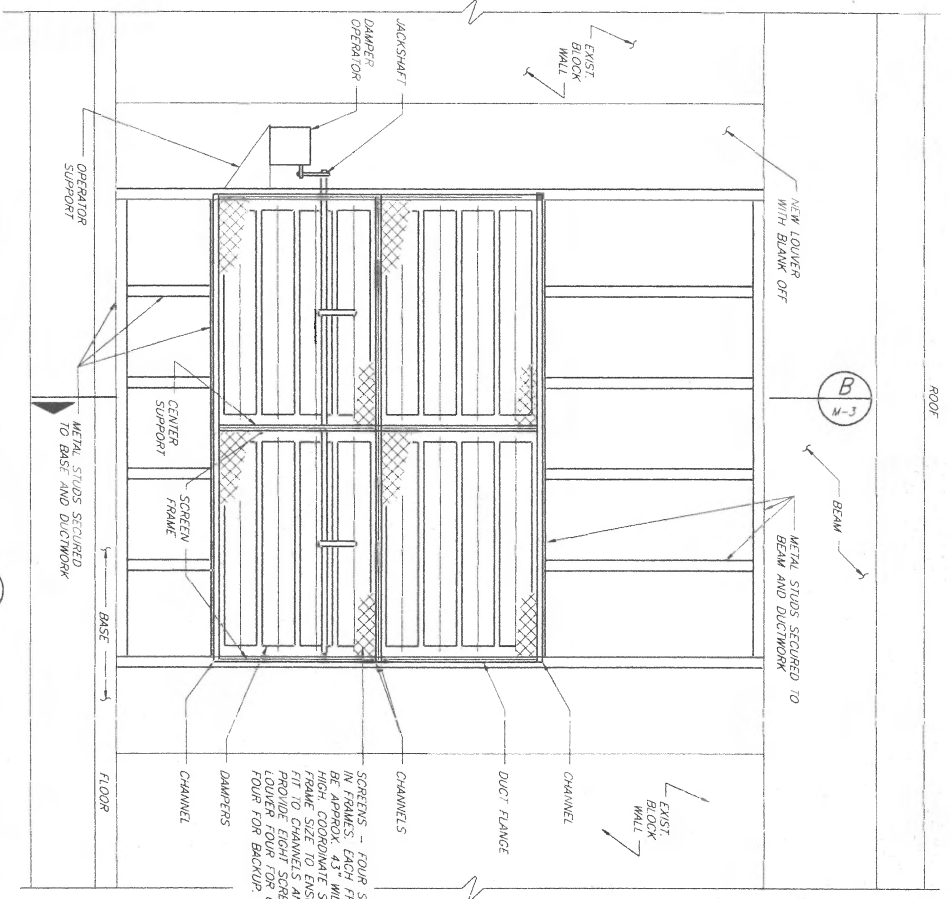
DATE	06/27
BY	ME
REVISION	11/99
DESCRIPTION	CONSTRUCTION RECORDS
REV	ASSIGNED FOR BIDS
REV	CONFORMING TO CONSTRUCTION RECORDS

MECHANICAL

Ann Arbor, Michigan
 Daniel, Mann, Johnson & Mendenhall, Inc.
 1000 East Main Street
 Ann Arbor, Michigan 48106-1500
 PROJECT: S. STEEL & INC.
 CHECKED: M. DOMINIS
 SCALE: 3/32" = 1'-0"
 CAD DATE: 11/17/99 SHEET 8

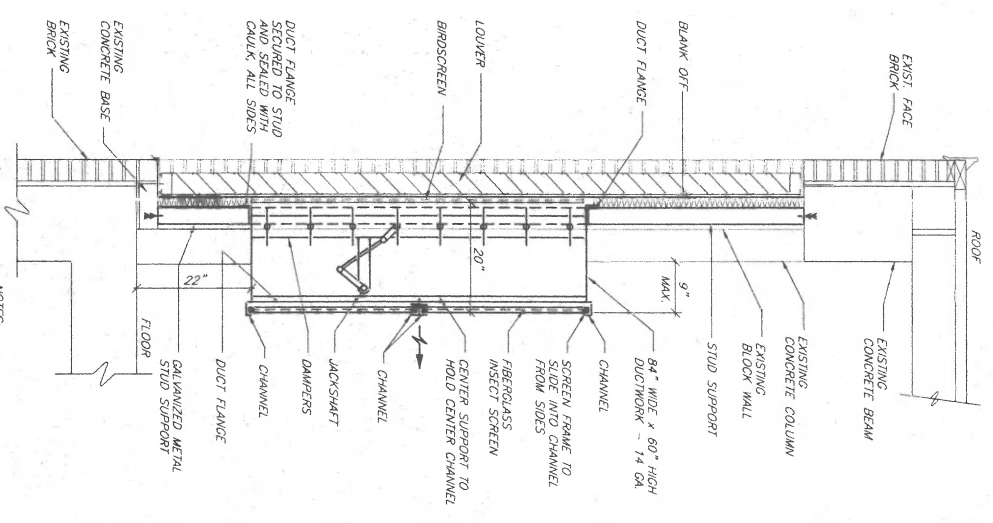
OPERATING FLOOR PLAN
 CONTRACT: 0106.059-S-1
 SHEET: M-2

ISSUED FOR R.O.C.	DATE	BY
CONFORMING TO	11/1/79	
CONSTRUCTION RECORDS		
TILE		



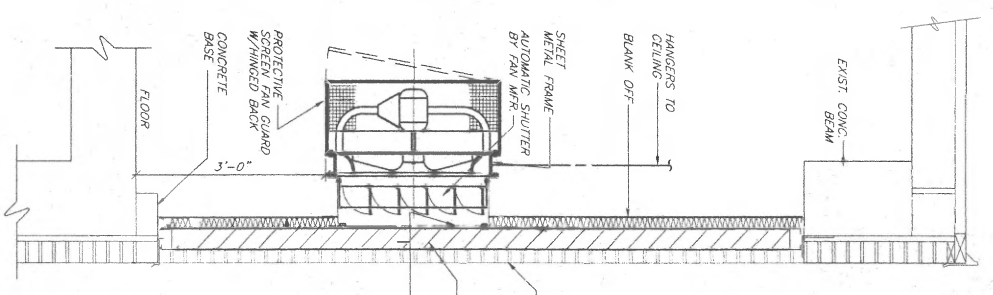
INTAKE LOUVER ELEVATION
NO SCALE
(2 REQUIRED)

NOTE:
PROVIDE COMPOSITIVE COATINGS AS SPECIFIED IN 15010.



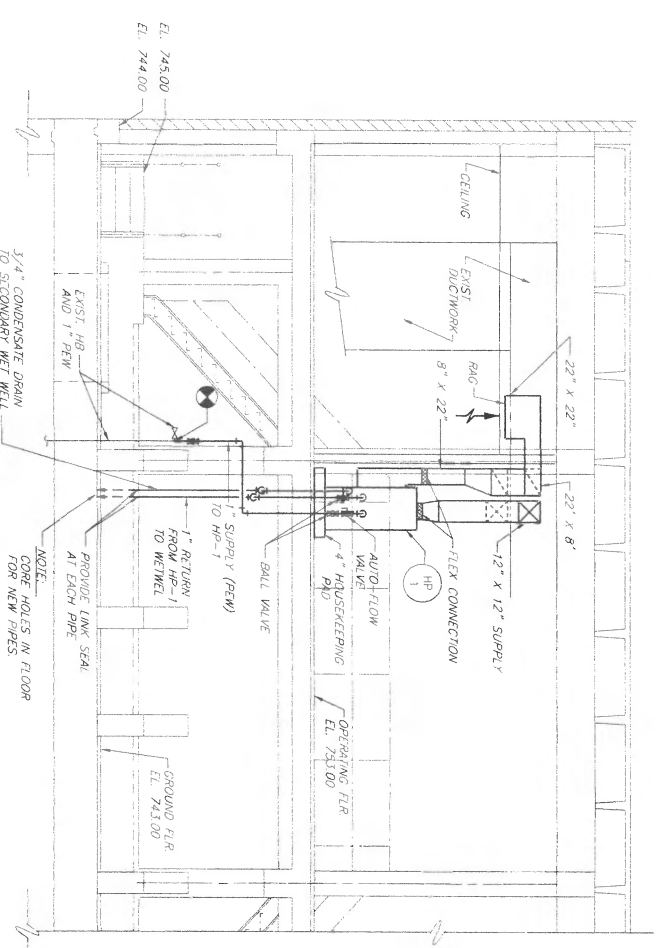
SECTION B-B
NO SCALE

NOTES:
1. SCREENS SHALL FIT TIGHT INTO CHANNELS TO PREVENT INSECTS FROM ENTERING BUILDING.
2. CHANNELS TO BE A MINIMUM OF 1/8 GA.

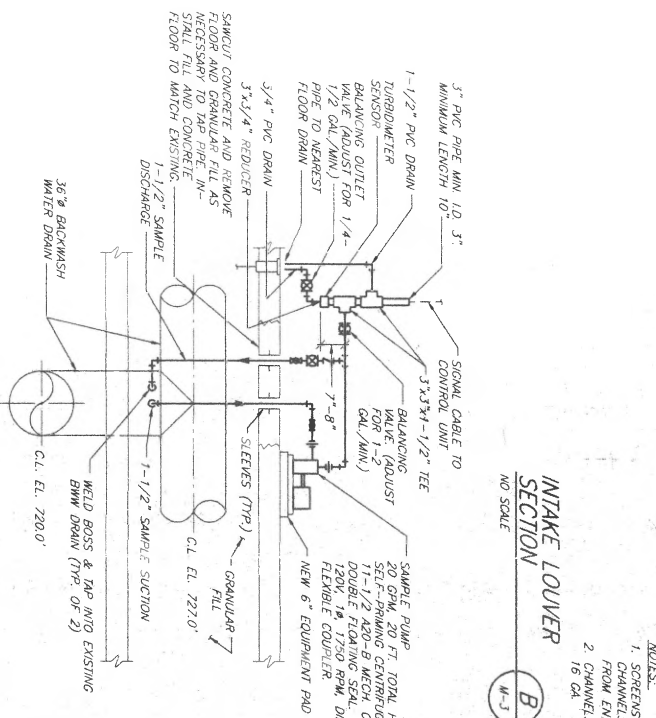


SECTION C-C
NO SCALE

NOTE: TYPICAL AT EACH HOSE REEL LOCATION.

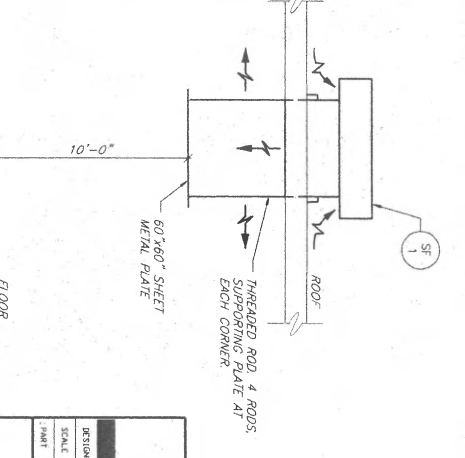


SECTION D-D
NO SCALE



SAMPLE PUMP DETAIL
NO SCALE

REFER TO SHEET D-3 FOR LOCATION OF BACKWASH WATER DRAIN PIPING. INSTALL NEW SAMPLE PUMP AT SAME LOCATION. BACKWASH WATER DRAIN IS BEING REMOVED AT BASEMENT LEVEL.



ELEVATION F-F
NO SCALE

Ann Arbor, Michigan	
Design Engineer	EE
Chief Designer	EE
Project Engineer	EE
Checker	EE
Drawn	EE
Reviewed	EE
Checked	EE
Scale	AS SHOWN
Sheet	M-3
Contract	0106.059-S-1

MECHANICAL EQUIPMENT SECTIONS

HOT WATER UNIT HEATERS (UH)						
MARK	LOCATION	CU	UH	HP	PHASE	TRADE MODEL NO.
UH-1	RTER AREA	2,800	65	0.17	1100	188-5
UH-2	RTER AREA	2,800	65	0.17	1100	188-5
UH-3	RTER AREA	2,800	65	0.17	1100	188-5
UH-4	RTER AREA	2,800	65	0.17	1100	188-5
UH-5	RTER AREA	2,800	65	0.17	1100	188-5
UH-6	RTER AREA	2,800	65	0.17	1100	188-5

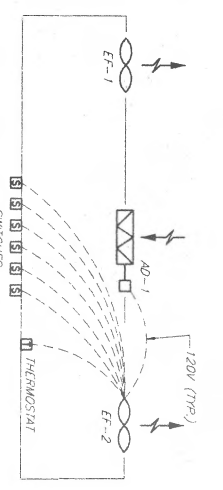
NOTE: UNIT HEATERS SHALL HAVE TFC MOTORS AND BE WASH-DOWN PROOF.

WATER SOURCE HEAT PUMP SCHEDULE (WP)						
MARK	CU	ESP (M)	COOLING TONS	HEATING TONS	ELECTRICAL VOLTS/PHASE	WATER MODEL NO.
WP-1	200	0.2	20	15	208/1	10

NOTE: WITH GRANTY DAMPER SET TO OPEN AT 0.05" W.G. TO RELIEVE AIR OUTSIDE.

ROOF VENTILATIONS (RV)						
MARK	LOCATION	CU	TYPE (MINUTE OR EXHAUST)	KEY AREA	ROUGH OPENING	URB-DOCK MODEL NO.
RV-1	ROOF	30,000	EXHAUST	28.25 SF	54" X 8"	18

NOTE: WITH GRANTY DAMPER SET TO OPEN AT 0.05" W.G. TO RELIEVE AIR OUTSIDE.

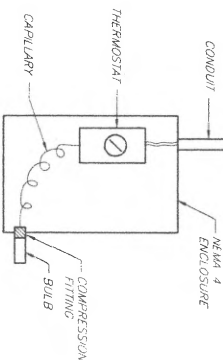


FILTER AREA EXHAUST FAN CONTROL DIAGRAM

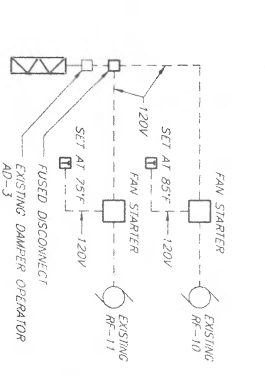
NOTE: THERMOSTATS SHALL BE WASH-DOWN PROOF. MOUNT THERMOSTAT WITH REMOTE BULB (SIMILAR TO HOWELL 16754) IN NEAR 4 ENCLOSURE. NEAR 4 ENCLOSURE SHALL HAVE A HINGED AND LOCKABLE COVER FOR EASY ACCESS TO THERMOSTAT. PROVIDE 1/2" DIA. COPPER TUBING TO MOUNT THERMOSTAT OUTSIDE OF ENCLOSURE. ALL CHILLARY TUBING SHALL BE STAINLESS STEEL.

SEQUENCE OF OPERATION: EXHAUST FAN EF-1 SHALL RUN CONTINUOUSLY. EF-2 SHALL RUN WHEN THE THERMOSTAT CALLS FOR COOLING OR WHEN ANY ONE OF THE WALL SWITCHES ARE TURNED ON. THE AUTOMATIC DAMPER AD-1 SHALL OPEN WHEN FAN EF-2 RUNS.

THE CONTROLS FOR EF-4, EF-3, AND AD-2 ARE SIMILAR.

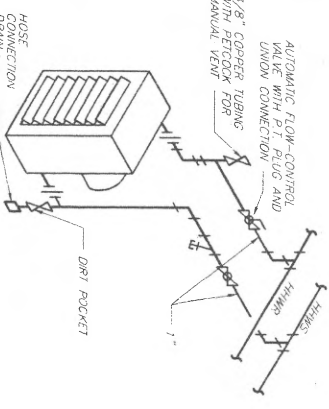


TYPICAL FILTER AREA THERMOSTAT



RF-10 AND RF-11 CONTROL FLOW DIAGRAM

SEQUENCE OF OPERATION: WHEN ONE THERMOSTAT CALLS FOR COOLING ONE FAN SHALL RUN AND THE DAMPER SHALL OPEN. WHEN THE SECOND THERMOSTAT CALLS FOR COOLING THE SECOND FAN SHALL RUN AND THE DAMPER SHALL OPEN.



HOT WATER UNIT HEATER PIPING AND CONTROL

UNIT HEATER CONTROL DIAGRAM

NOTE: THERMOSTATS SHALL BE WASH-DOWN PROOF. MOUNT THERMOSTAT WITH REMOTE BULB (SIMILAR TO HOWELL 16754) IN NEAR 4 ENCLOSURE. NEAR 4 ENCLOSURE SHALL HAVE A HINGED AND LOCKABLE COVER FOR EASY ACCESS TO THERMOSTAT. PROVIDE 1/2" DIA. COPPER TUBING TO MOUNT THERMOSTAT OUTSIDE OF ENCLOSURE.

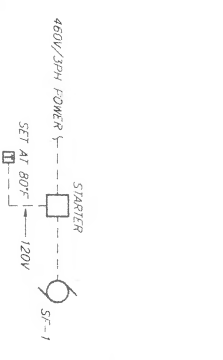
SEQUENCE OF OPERATION: ON A CALL FOR HEAT, THE HEATER UNIT SHALL RUN.

AUTOMATIC DAMPER SCHEDULE (AD)						
MARK	QUANTITY	LOCATION	CAPACITY (CFM)	MINIMUM SIZE (W x H)	DESCRIPTION	OPERATE P-E (VOLTS)
AD-1	1	ROOF AREA	1,500	84" x 60"	MADE AS SHOWN	E (120)
AD-2	1	ROOF AREA	1,500	84" x 60"	MADE AS SHOWN	E (120)

NOTE: ON EF-1, 2, 3, 4 AND 5 PROVIDE CORROSION COATINGS PER SPEC. 15010.

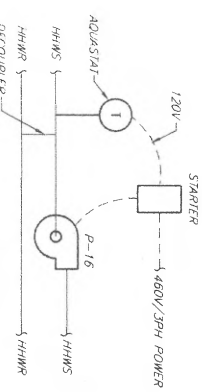
FANS						
MARK	LOCATION	CU	SP	WATER INP	VOLTS PHASE	ROUGH OPENING
EF-1	RTER AREA	1,500	3/8"	3/4"	480 3	30" x 30"
EF-2	RTER AREA	1,500	3/8"	3/4"	480 3	30" x 30"
EF-3	RTER AREA	1,500	3/8"	3/4"	480 3	30" x 30"
EF-4	RTER AREA	1,500	3/8"	3/4"	480 3	30" x 30"
EF-5	RTER AREA	285	3/8"	1/8"	120 1	20" x 20"
EF-1	RTER AREA	20,000	0.4"	7-1/2"	480 3	54" x 54"

NOTE: ON EF-1, 2, 3, 4 AND 5 PROVIDE CORROSION COATINGS PER SPEC. 15010.



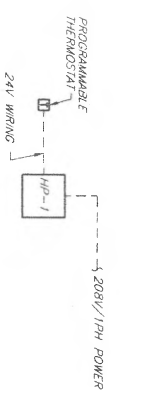
SF-1 CONTROL FLOW DIAGRAM

SEQUENCE OF OPERATION: ON A CALL FOR COOLING BY THE THERMOSTAT, FAN SF-1 SHALL RUN.



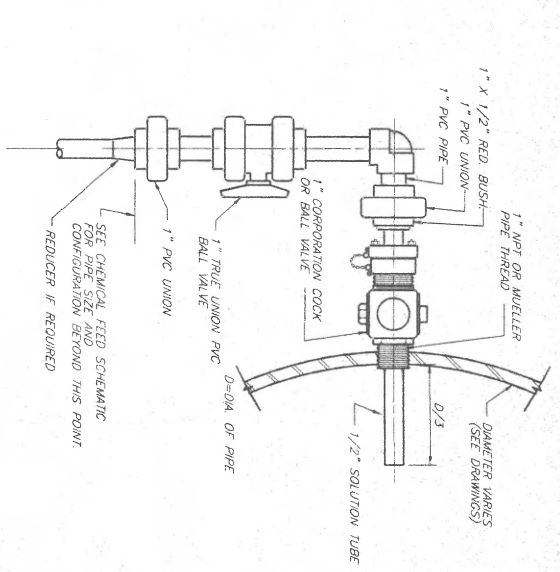
BOOSTER PUMP P-16 CONTROL DIAGRAM

SEQUENCE OF OPERATION: WHEN THE AQUASTAT SENSES TEMPERATURES ABOVE 120° F, PUMP P-16 SHALL RUN.



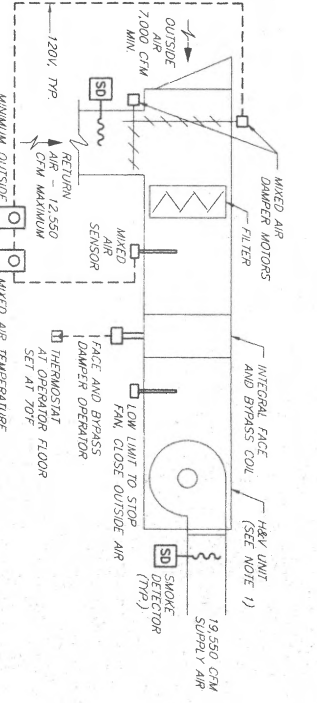
HEAT PUMP CONTROL DIAGRAM

SEQUENCE OF OPERATION: THE PROGRAMMABLE THERMOSTAT SHALL CYCLE THE HEAT PUMP ON A CALL FOR HEATING OR COOLING.



CHEMICAL DIFFUSER DETAIL

FOR 3/4" & 1" DIA. PIPE



EXISTING HEATING AND VENTILATING UNIT CONTROL DIAGRAM

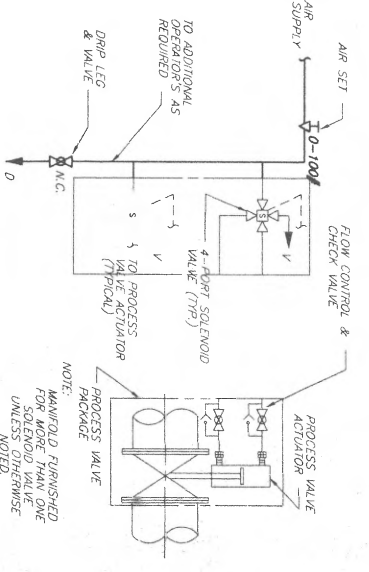
NOTE: THE UNIT SHALL RUN CONTINUOUSLY. THE MIXED AIR SENSOR SHALL SENSE TEMPERATURES IN THE ROOM TO MAINTAIN A MIXED AIR TEMPERATURE OF 70°. THE MINIMUM OUTSIDE AIR CONTROL SHALL DETERMINE THE MINIMUM POSITION OF THE OUTSIDE AND RETURN AIR DAMPERS. THE ROOM THERMOSTAT SHALL MODULATE THE FACE AND BYPASS DAMPERS TO MAINTAIN SETPOINT.

THE LOW LIMIT THERMOSTAT SHALL STOP THE UNIT AND CLOSE THE OUTSIDE AIR DAMPER IF A TEMPERATURE OF 35°F IS SENSED.

THE SUPPLY AND RETURN SMOKE DETECTORS SHALL STOP THE UNIT IF SMOKE IS DETECTED.

PROVIDE A NEMA 12 ENCLOSURE FOR THE MINIMUM OUTSIDE AIR CONTROL AND THE MIXED AIR CONTROL SETPOINT.

SOLENOID VALVES MOUNTED DIRECTLY TO VALVE OPERATOR AS SPELLED IN 15110.



PNEUMATIC CONTROL CIRCUIT - OPEN SHUT SERVICE

SYMBOL [A-05]

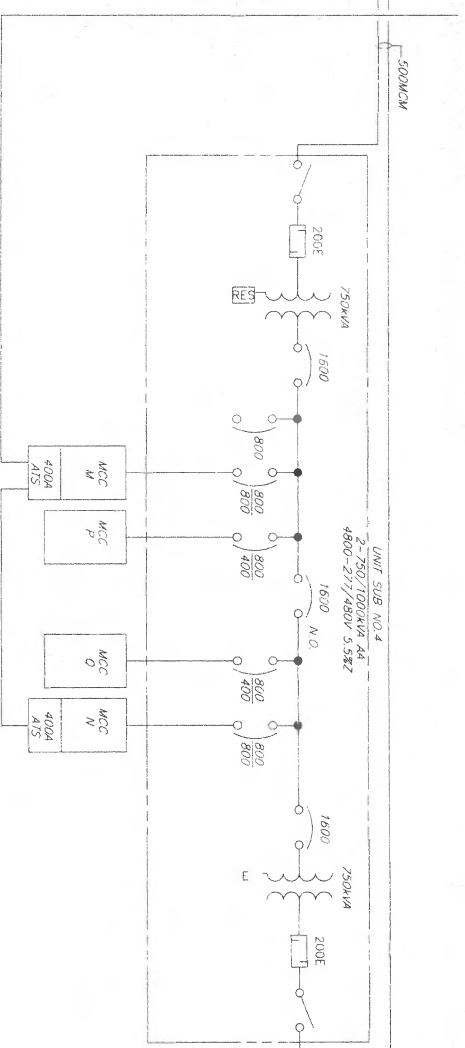
REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	ME	06/97	
2	CONFORMING TO CONSTRUCTION RECORDS	ME	11/99	

DETAILS AND SCHEDULES

ANN ARBOR, MICHIGAN
 1000 S. ZEEB RD.
 ANN ARBOR, MI 48106
 TEL: 734.769.1000
 FAX: 734.769.1001

OWNER: CITY OF ANN ARBOR, MICHIGAN
 PROJECT: WESTBURN PERMANENT PLANT
 DESIGNER: M. S. GRIFFIN & ASSOCIATES
 CHECKED BY: D. M. S. S.
 DATE: 11/17/99

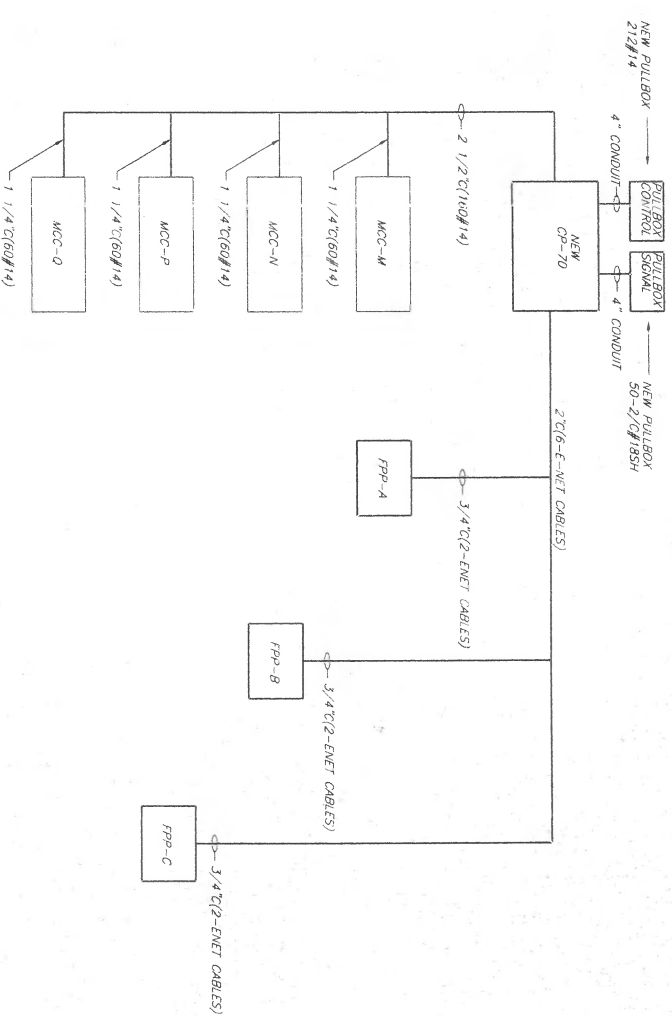
CONTRACT: 0106.059-S-1
 SHEET: M-4
 OF: 4



**FILTER BUILDING
EXISTING POWER ONE-LINE**
NO SCALE

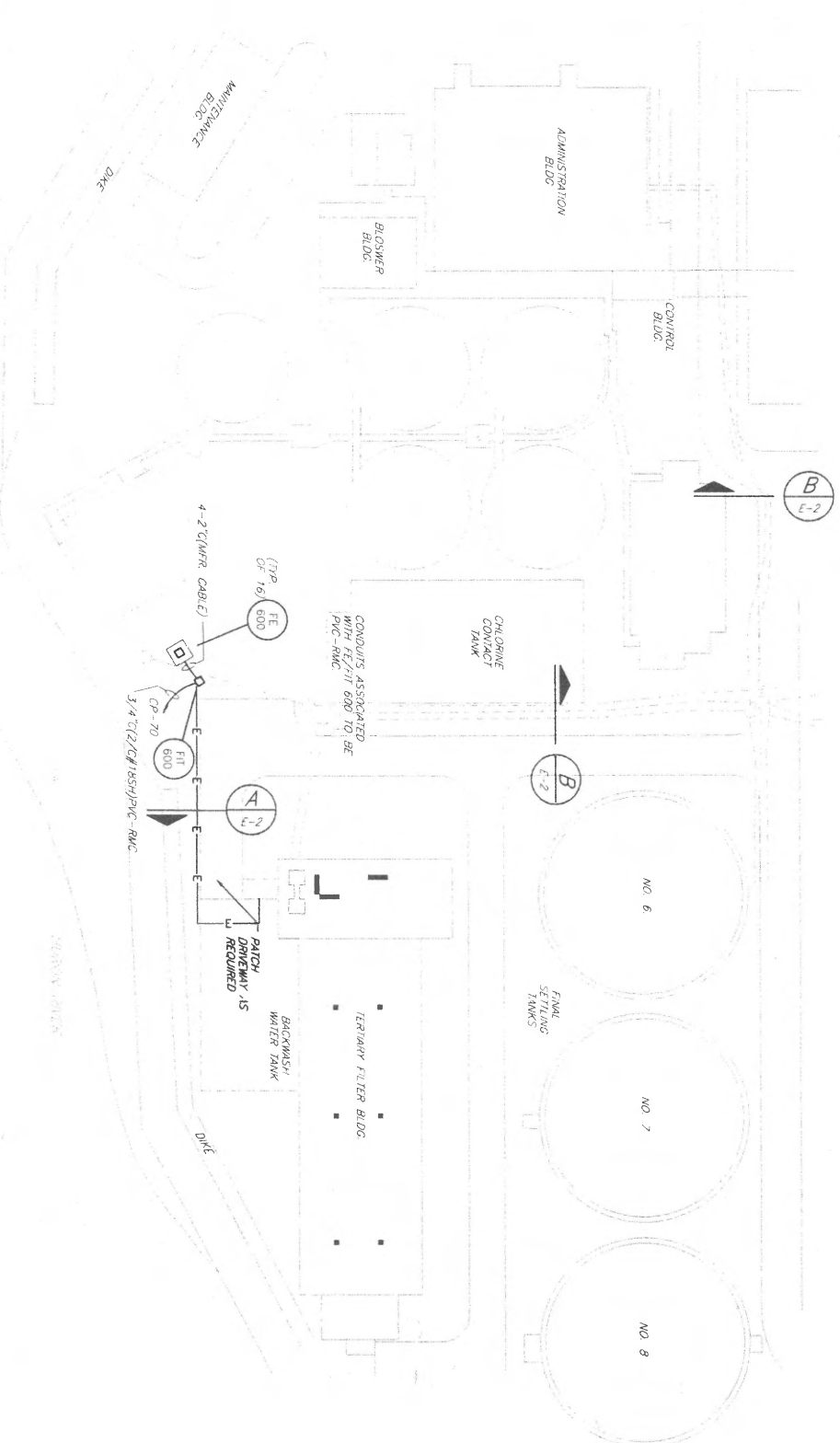
SEE NOTE

NOTE:
"EXISTING POWER ONE-LINE" OF THE FILTER BUILDING AND EXISTING PARTIAL SITE PLAN" SHOWN FOR INFORMATION ONLY.



**CONTROL SYSTEM INTERCONNECTION
DIAGRAM**
NO SCALE

RELOCATION OF CONDUITS BELOW EXISTING CP-70



**EXISTING PARTIAL
SITE PLAN**
NO SCALE

DUCT BANK SECTION
CONCRETE ENCASE CONDUITS UNDER
ROADWAY ONLY

1. 3/4" (2) (CP/ISH) PVC-RMC -10 CP-70
2. 3/4" (2) (10) PVC-RMC -10 LP-Q(23)

SCOPE OF WORK. (REFERENCE SHEET E-11 FOR BACKGROUND LOCATION)

1. LOCATED BELOW CP-70 ARE A TOTAL OF 30 CONDUITS (SEVENTEEN 3/4 INCH, FIVE 1 INCH, SIX 1 1/4 INCH, ONE 1 1/2 INCH WHICH GO UP TO CP-70. THESE CONDUITS AND CONDUITS ARE TO BE RELOCATED AND EXTENDED OVER TO NEW CP-70.
2. BELOW EXISTING CP-70 WHERE THE CONDUITS ENTER THE PANEL, MODIFY THE CONDUITS BY INSTALLING A RANGED NEW 12 PULL BOX.
3. INSTALL TWO 12" TOTALLY ENCLOSED WIREWAYS (ONE FOR CONTROL WIRE AND ONE FOR SHIELDED SIGNAL WIRE).
4. WITHIN PULL BOX EXTEND EXISTING WIRING TO THE NEW WIRING AND EXTEND THROUGH WIREWAY TO THE CONTROL PANEL. APPROXIMATELY 2 FEET FROM THE CONTROL PANEL PROVIDE 300V BATED TERMINAL BLOCKS WITHIN PULLBOX AS REQ'D TO SUIT CIRCUIT EXTENSIONS.
5. CONTRACTOR SHALL PROVIDE LABOR, TERMINAL BLOCKS, AND ASSOCIATED MATERIALS FOR EXTENDING AND RE-CONNECTION 20'-2'-0" (ISH) FROM EXISTING CP-70 TO NEW CP-70 (10' ENTER PANEL, 10' EXIT PANEL). PRESENTLY THOSE CABLES ENTER CP-70 AND LEAVE TO GO TO OTHER CONTROL PANELS OUTSIDE OF THE FILTER BUILDING.

ADDITIONAL ELECTRICAL SCOPE OF WORK:

1. AS PART OF THIS CONTRACT, ELECTRICAL CONTRACTOR SHALL INSTALL FROM TERTIARY FILTER BUILDING TO NEW CP-70 AND FROM NEW CP-70 TO THE ADMINISTRATION BUILDING. THE TELEPHONE CABLE IS TO BE INSTALLED IN A SEPARATE CONDUIT THAT EXISTS BETWEEN THESE TWO LOCATIONS. COORDINATE THIS WITH OWNER.
2. FIELD LOCATE EXISTING PLANT EFFLUENT MANHOLE. FIELD LOCATE CONDUIT RUNNING TO CP-70 AND LP IN TERTIARY FILTER BUILDING. MOUNT FLOW INDICATING TRANSMITTER (FIT) ON STAINLESS STEEL EQUIPMENT RACK CEMENT RACK POSITS 3' INTO GROUND. PROVIDE TO GROUND ROD (5/8") AT EQUIPMENT RACK AND CONNECT TO FIT ENCLOSED GROUND LUG.
3. CONDUIT AND WIRING FROM FIT-800 TO TERTIARY BUILDING IS TO PATCH THRU WALL INTO TERTIARY FILTER BUILDING AND THEN TURN UP AND COVER THRU TROUSERS TO CP-70 AND LP-0. FIELD LOCATE AND REPAIR EXISTING MANHOLE. PROVIDE THE CONDUIT AND WIRE. LINK SEAL AND SPECS AS REQUIRED. CONSTRUCTION AND INSTALLATION OF CONDUIT AND WIRE.

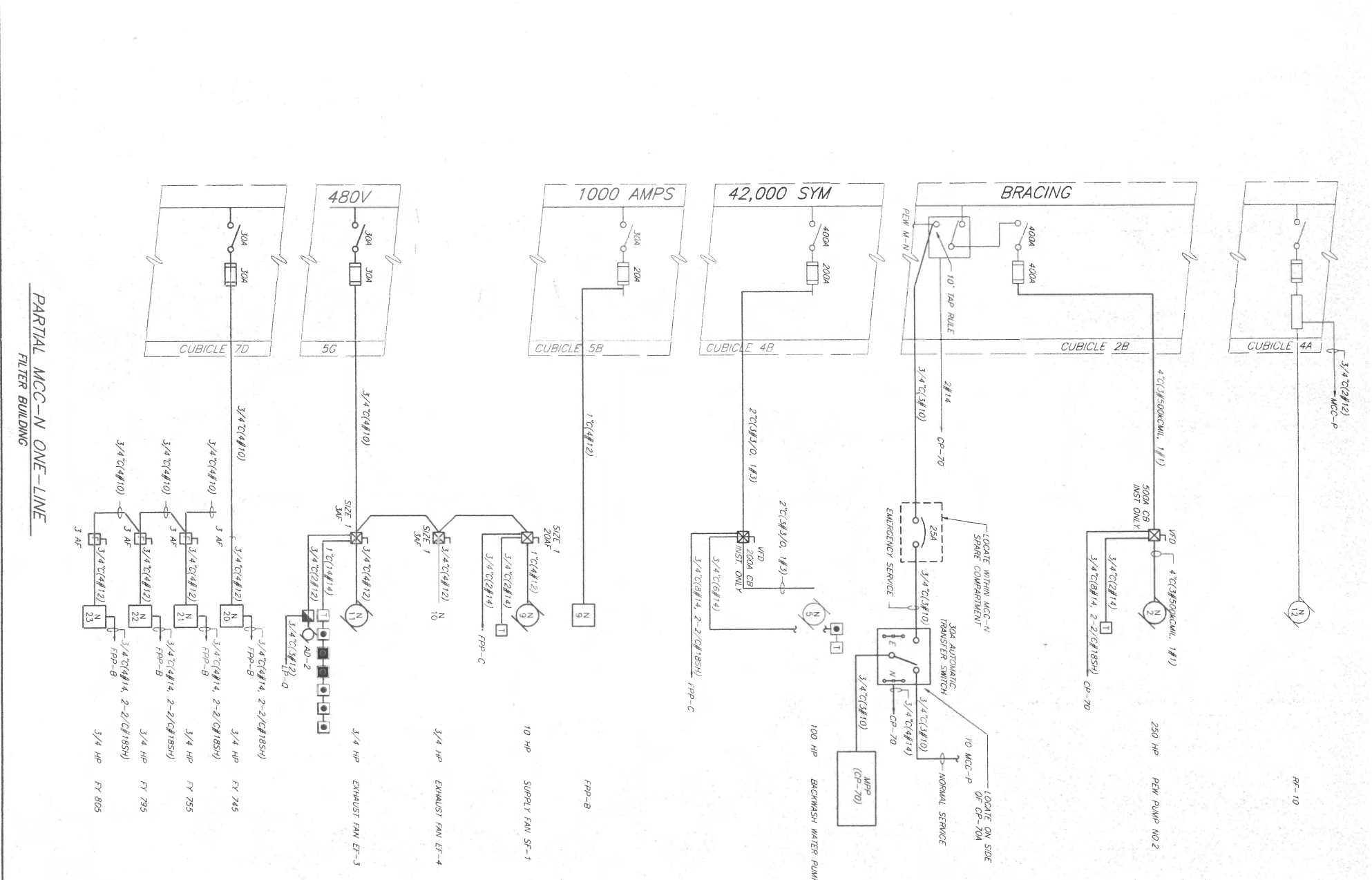
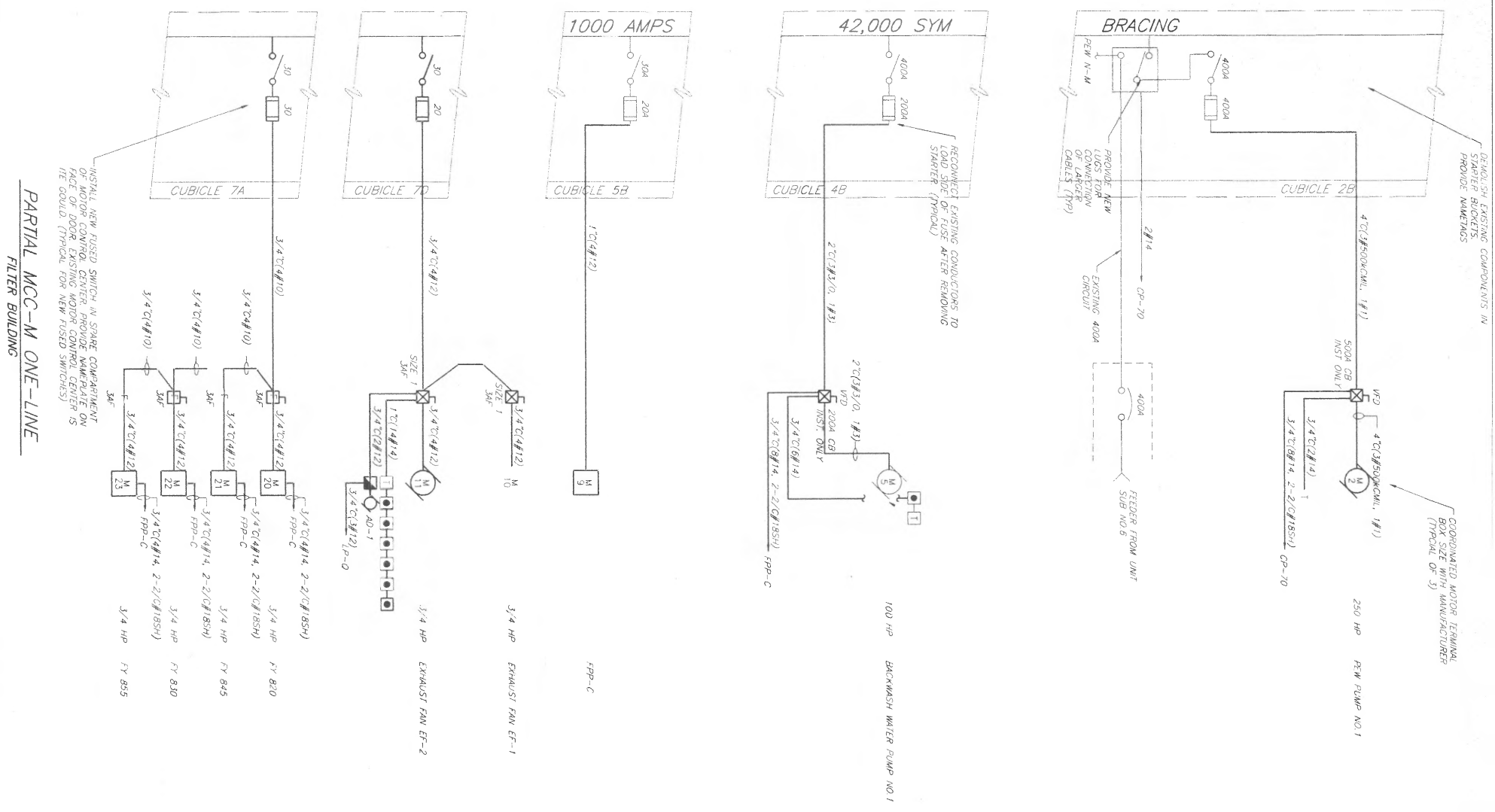
TELEPHONE CABLE TO BE PULLED FROM ADMINISTRATION BUILDING IN EXISTING CONDUIT TO TERTIARY FILTER BUILDING. AFTER ENTERING TERTIARY FILTER BUILDING, TELEPHONE CABLE TO BE PULLED TO NEW CP-70 AND LP-0. COORDINATE WITH OWNER ON LENGTH OF TELEPHONE CABLES REQUIRED. PRIOR TO BIDS.



55100 FOR BIDS	MB	06/97
ADDITIONAL NO. 1		07/97
CONFORMING TO CONSTRUCTION RECORDS	TLE	11/99

Ann Arbor, Michigan		
1000 North Zeeb Road Ann Arbor, Michigan 48106-0599		
PROJECT	EXISTING PARTIAL SITE PLAN & ONE LINES	SHEET E-2 OF 17
CONTRACT NO.	0106.059-S-1	
SCALE	AS SHOWN	
DATE	01/06/05	
DESIGNED BY	TRITIER	
CHECKED BY	TRITIER	
DATE	01/06/05	

ISSUED FOR BIDS	MMF	06/97
ADDITIONAL NO. 1		07/97
CONFORMING TO REQUIREMENTS	TLF	11/99



AMT
 Amr Arbor, Michigan
 Detroit, Michigan
 Lansing, Michigan
 Warren, Michigan
 Westland, Michigan

DESIGNED BY: J. STEELE - INE
CHECKED BY: T. BRITNER
DATE: 01-01-99

SCALE: NONE
DATE: 01-01-99

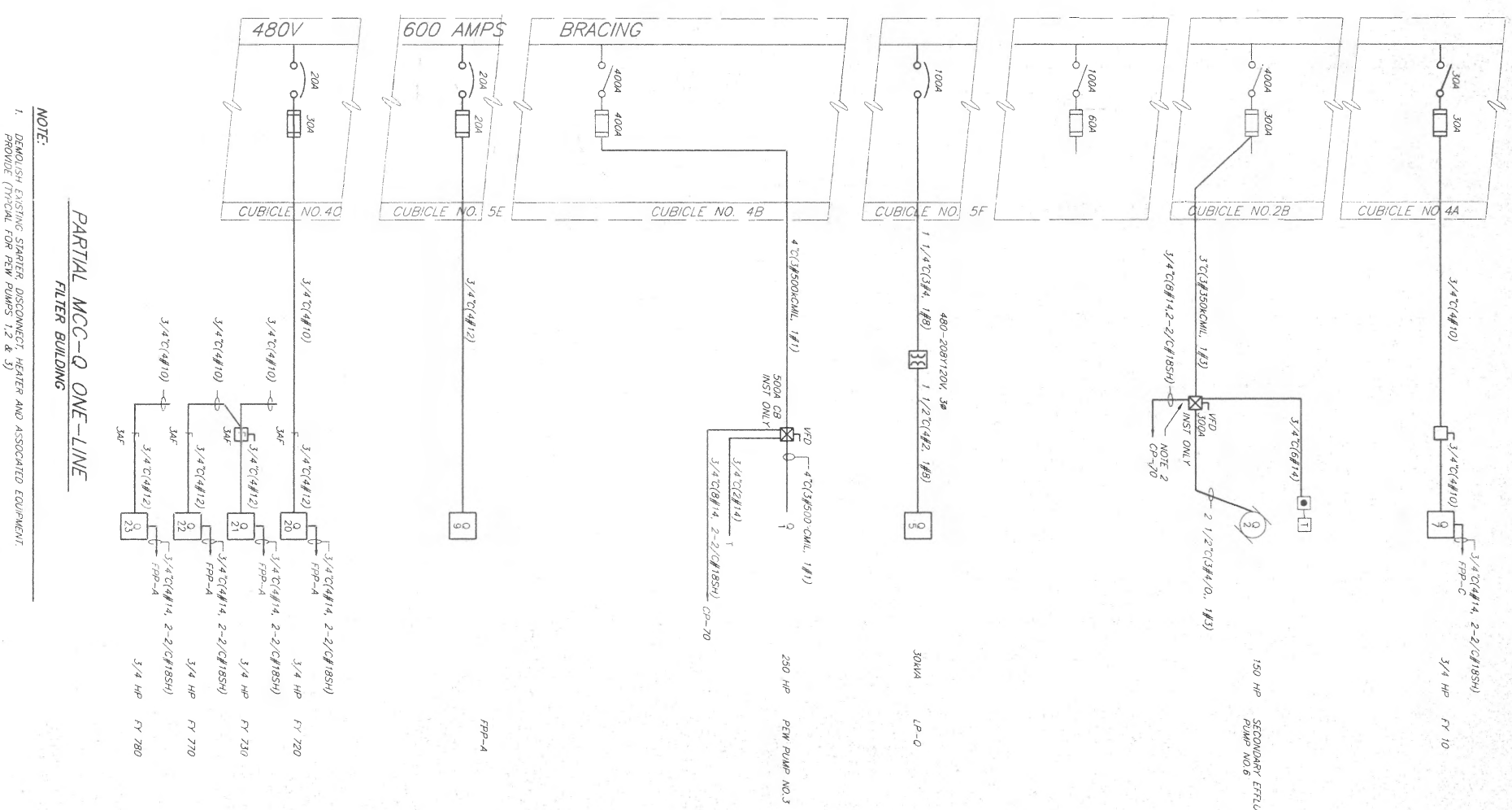
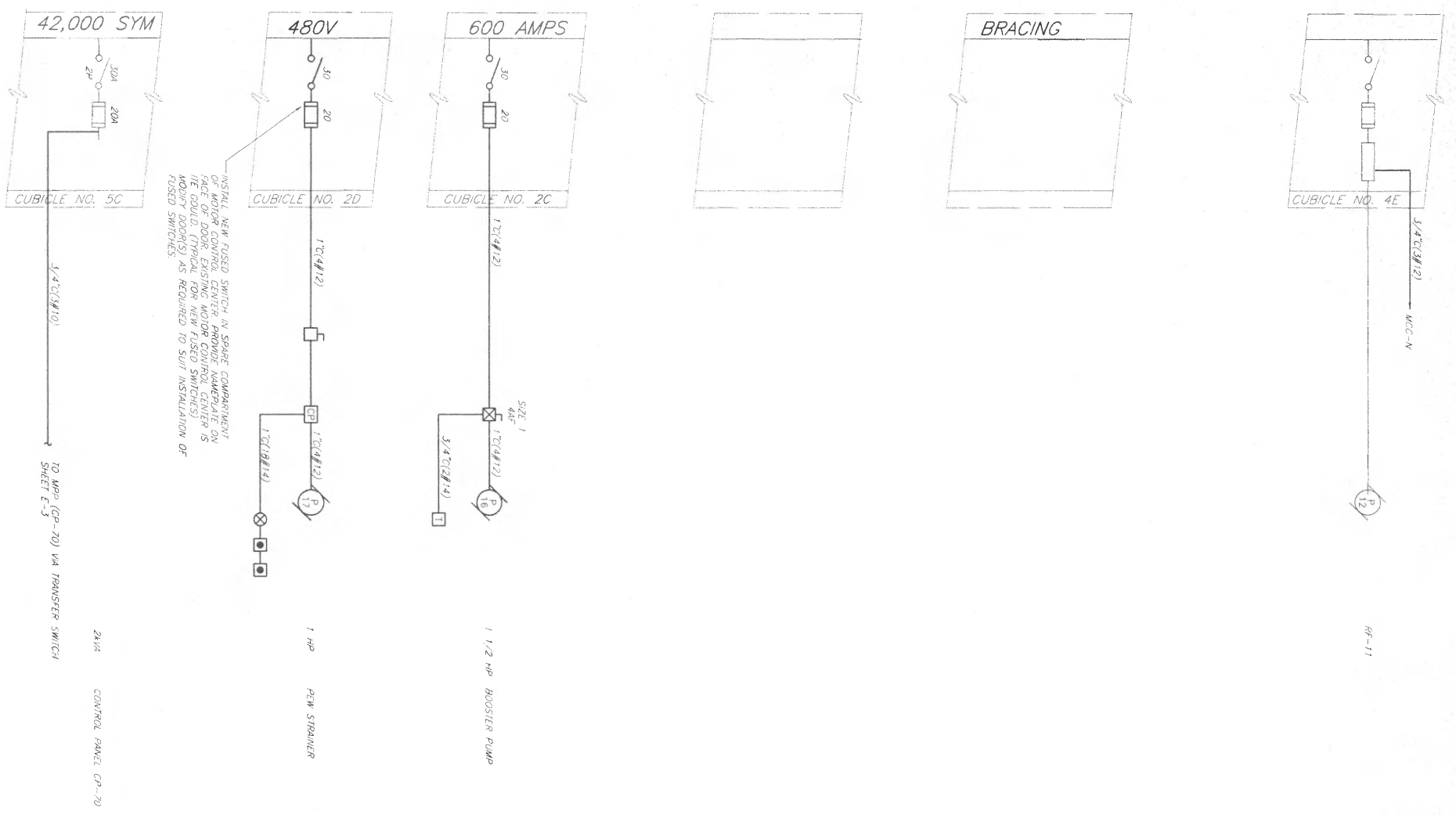
PROJECT: DEMO AND PROPOSED WORK
 M & N
 ELECTRICAL
 MASTERS WATER TREATMENT PLANT
 TERTIARY FILTER RENOVATIONS

CONTRACT: 0106059-S-1
SHEET: E-3
 OF 17

PARTIAL MCC-M ONE-LINE
 FILTER BUILDING

PARTIAL MCC-N ONE-LINE
 FILTER BUILDING

REV	DESCRIPTION	BY	DATE	LOG NO.
1	ISSUED FOR BIDS	ABP	08/97	
2	CONFORMING TO RECORDS	TLE	11/99	
3	CONFORMING TO RECORDS	TLE	11/99	
4	CONFORMING TO RECORDS	TLE	11/99	



NOTE:

1. DEMOLISH EXISTING STARTER, DISCONNECT, HEATER AND ASSOCIATED EQUIPMENT. PROVIDE (TYPICAL FOR PUMPS 1, 2 & 3)

2. THIS AND STARTER AND DISCONNECT ARE TO BE INSTALLED IN THE SAME CABINET AS THE EXISTING EQUIPMENT. THE SECONDARY EFFLUENT PUMPS (WITHOUT BYPASS CONTACTOR OPTION)

PARTIAL MCC-Q ONE-LINE

FILTER BUILDING

PARTIAL MCC-P ONE-LINE

FILTER BUILDING

Ann Arbor, Michigan

General Services

Water Treatment Plant

Electrical

DATE: 01-03-99

SCALE: AS SHOWN

DESIGNED BY: J. L. HARRIS

CHECKED BY: T. HARRIS

FILE NO. E-4

PROJECT: DEMO AND PROPOSED WORK MOTOR CONTROL CENTERS P & Q

DIVISION: 0106.059-S-1

SHEET: E-4 OF 17

NO.	DATE	BY	CHKD
1	08/97		
2	11/98		
3			

- NOTES:**
1. MOUNT SELECTOR SWITCHES ON FACE OF ENCLOSURE AND PROVIDE NAME TAGS
 2. EXISTING MOTOR CONTROL CENTERS WERE MANUFACTURED BY IIE COLLID, INC IN 1979
 3. WHERE DEVICES ARE REMOVED FROM THE MCC'S, PROVIDE BY IIE COLLID, INC MODIFIED DOORS AND PROVIDE NAME TAGS AS REQUIRED

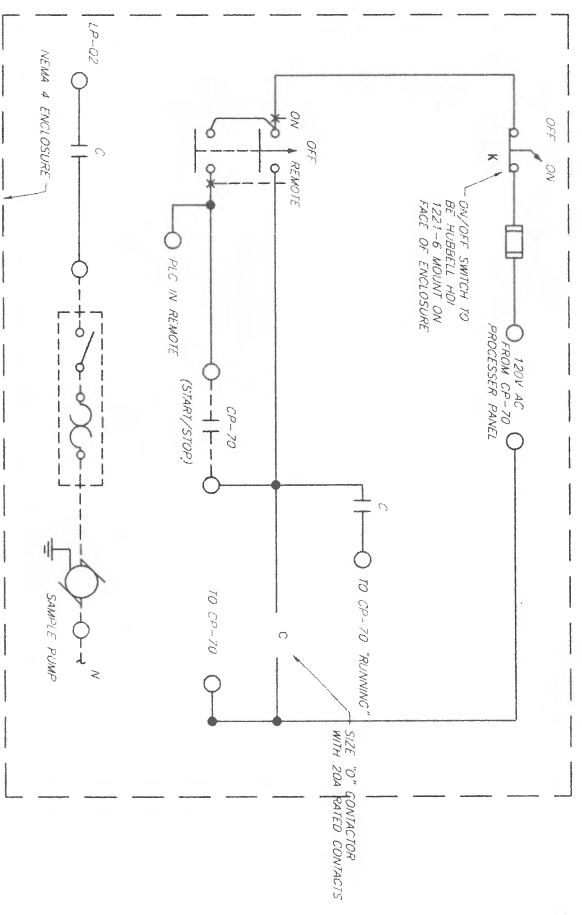
1	2	3	4	5	6	7	8
A FLOOR DRAIN SUMP PUMP NO.3	A SE SAMPLE PUMP	A SPARE	A E PLANT SE GATE (E) S-2-2	A EF-1 FY 820 FY 845 FY 855	A EF-1 FY 820 FY 830 FY 855	A FLOOR DRAIN SUMP PUMP NO.1	A UNDERDRAIN SUMP PUMP NO.1
B FEW PUMP NO.1 FEEDER	B SECONDARY EFFLUENT PUMP NO.5	B SPARE	B PLANT SE GATE (W) S-1-1	B EF-2 FY 830 FY 855	B EF-2 FY 830 FY 855	B WASHWATER RESERVOIR DRAINAGE PUMP NO.1	B SPARE
C	C	C	C EQUIPMENT RECEPTACLES	C LP-N	C	C	C
			D EUM-1	D	D	D	D
			E WATER HEATER	E	E	E	E
			F	F	F	F	F
			G	G	G	G	G
			H	H	H	H	H

REMOVE EXISTING SELECTOR SWITCH DEVICES FROM MCC'S WITH PUMPS 1 AND 2 AND A/S AT MCC PROVIDE CASKETED PUC COVER

EXISTING MCC-M MODIFICATIONS

1	2	3	4	5	6	7	8
A FLOOR DRAIN SUMP PUMP NO.4	A W SE SAMPLE PUMP	A ROOF FAN RF-10	A W PLANT SE GATE (E) S-2-2	A FFP-B FY 245 FY 255 FY 805	A DECHLORINE TRANSFORMER AND PANEL	A	A
B PEW PUMP NO.2 FEEDER	B SECONDARY EFFLUENT PUMP NO.6	B BACKWASH PUMP NO.2 FEEDER	B W PLANT SE GATE (W) S-2-1	B	B	B	B
C	C	C	C W PLANT SE GATE (W) S-2-1	C	C	C	C
			D CP-70	D	D	D	D
			E EQUIPMENT RECEPTACLES	E	E	E	E
			F WETWELL BYPASS G.I. GATE S-1-2	F	F	F	F
			G	G	G	G	G
			H	H	H	H	H

EXISTING MCC-N MODIFICATIONS



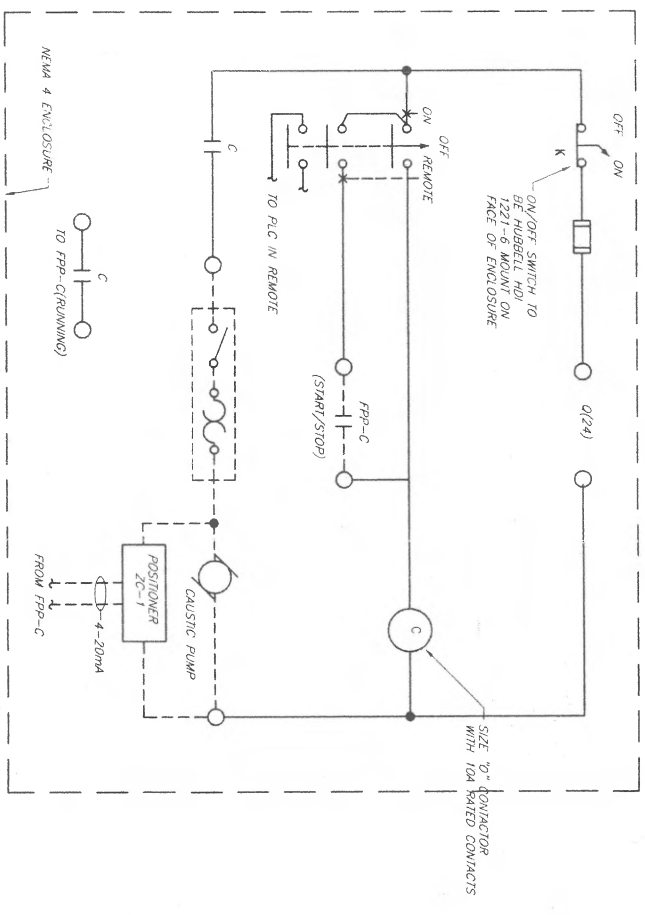
TURBIDITY SAMPLE PUMP CONTACTOR

1	2	3	4	5
A SURFACE WATER PUMP NO.1	A UNDERDRAIN SUMP PUMP NO.1	A FLOOR DRAIN SUMP PUMP NO.1	A ALTERNATION CLIPICLE	A HOST
B WASHWATER RESERVOIR PUMP NO.1	B SPARE	B SPARE	B SE ISOLATE VALVE B-2-1	B CONTACT TANK INTER GATE S-1-1
C	C	C	C RIVER VALVE B-3-1	C
D	D	D	D FILTER EFFLUENT SAMPLE PUMP	D
E	E	E	E ROOF FAN RF-11	E
F	F	F	F FEW STRAINER CP-70	F
G	G	G	G	G

EXISTING MCC-P MODIFICATIONS

1	2	3	4	5
A AIR COMPRESSOR NO.2	A FLOOR DRAIN SUMP PUMP NO.2	A SPARE	A BOOSTER PUMP FY 10	A MAKE UP UNIT IN-2
B	B	B	B FEW PUMP NO.3	B HOST
C C.E. WETWELL GATE S-11-1	C SECONDARY EFFLUENT PUMP NO.4 FEEDER	C WASHWATER RESERVOIR DRAINAGE PUMP NO.4	C	C C.E. SAMPLE PUMP
D E. CONTACT TANK S-15-1	D	D	D	D
E W. CONTACT TANK S-16-1	E	E	E	E
F INCOMING LINES	F	F	F	F

EXISTING MCC-Q MODIFICATIONS



CHEMICAL FEED PUMP

MOTOR CONTROL CENTER ELEVATIONS

0106.059-S-1

E-6

OF 17

Ann Arbor, Michigan
Electrical Engineering
Instrumentation, Controls, and
Mechanical Engineering

DESIGNED BY: J. STEELE, INC.
CHECKED BY: T. BARTER

SCALE: AS SHOWN
DATE: 07-01-89

WETWELL BYPASS GATE S-1-2

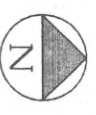
WASHWATER RESERVOIR DRAINAGE PUMP NO.4

CAUSTIC PUMP

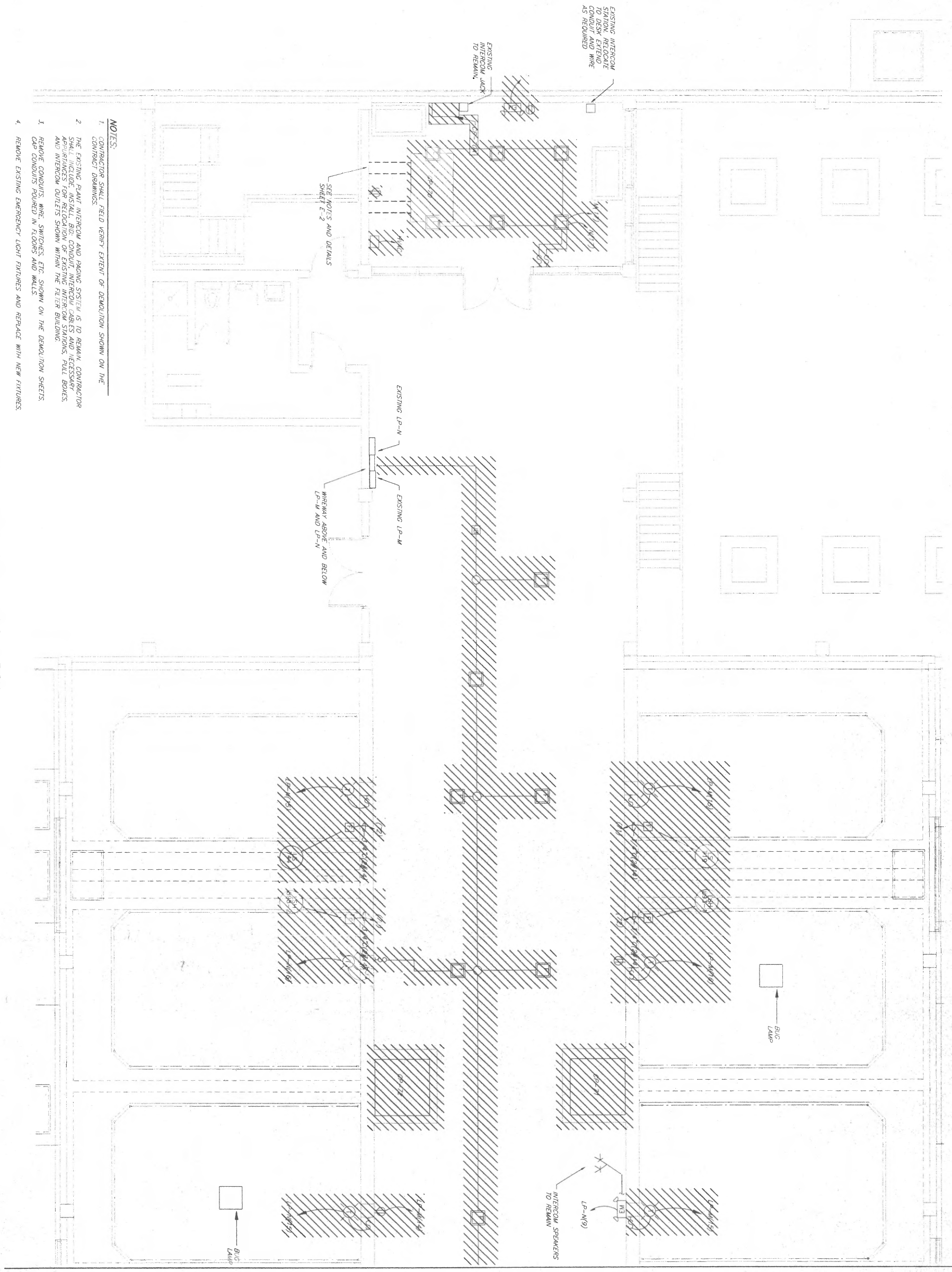
POSITIONER ZS-1

FROM FPB-C

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	ABF	02/97	
2	CONFORMING TO CONSTRUCTION RECORDS	LE	11/99	
3				
4				



MATCHLINE E-B



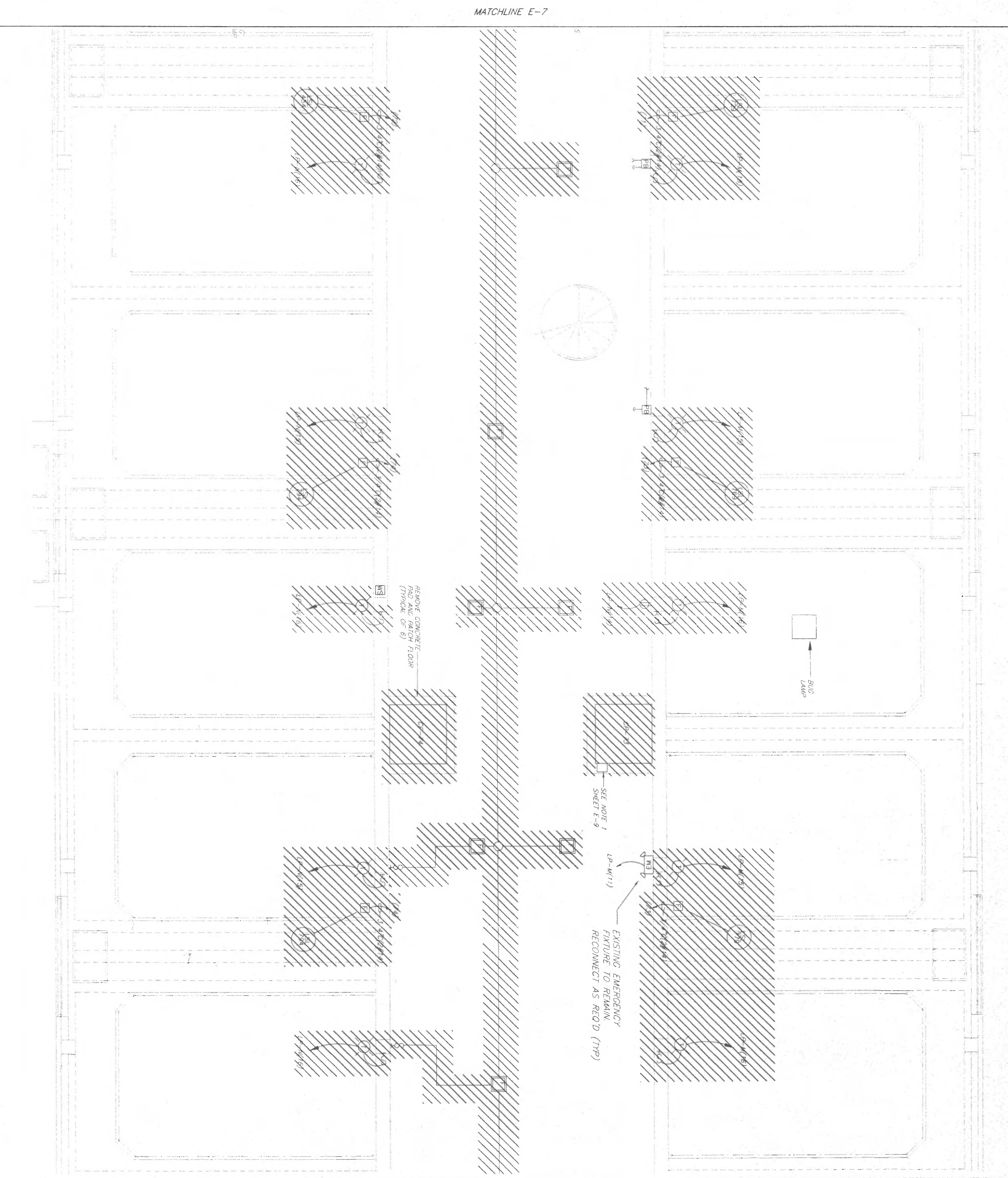
- NOTES:**
1. CONTRACTOR SHALL FIELD VERIFY EXTENT OF DEMOLITION SHOWN ON THE CONTRACT DRAWINGS.
 2. THE EXISTING PLANT INTERCOM AND PAGING SYSTEM IS TO REMAIN. CONTRACTOR SHALL INCLUDE INSTALL, BID, CONDUIT, INTERCOM CABLES AND NECESSARY APPLIANCES FOR RELOCATION OF EXISTING INTERCOM STATIONS, PULL BOXES AND INTERCOM OUTLETS SHOWN WITHIN THE FILTER BUILDING.
 3. REMOVE CONDUITS, WIRING, SWITCHES, ETC. SHOWN ON THE DEMOLITION SHEETS. CAP CONDUITS POURED IN FLOORS AND WALLS.
 4. REMOVE EXISTING EMERGENCY LIGHT FIXTURES AND REPLACE WITH NEW FIXTURES.

OPERATING FLOOR PLAN DEMOLITION

NCMA 4 AREA

<p>Ann Arbor, Michigan Daniel W. Anderson General Register, Michigan Huntington, South, Michigan</p>		<p>WILKINSON CONSULTING ENGINEERS 1500 S. State St. Ann Arbor, MI 48106</p>	
<p>DESIGNED GCL/YJM</p>		<p>CHECKED TRITIER</p>	
<p>SCALE 1/4" = 1'-0"</p>		<p>CAD DATE 11-18-99 SCS 4</p>	
<p>PART 01 WEST OPERATING FLOOR - 01 11 01 01</p>			
<p>DWG. OF ANN ARBOR, MICHIGAN INTERCOM FILTER RENOVATIONS</p>			
<p>ELECTRICAL</p>			
<p>DEMOLITION FLOOR</p>			
<p>WEST OPERATING FLOOR</p>			
<p>PLANS</p>			
DIVISION	CONTRACT	SHEET	
	0106.059-S-1	E-7	of 17

ISSUED FOR BIDS	08/97
CONFORMING TO CONSTRUCTION RECORDS	11/99
TITLE	



MATCHLINE E-7

MATCHLINE E-9

Ann Arbor, Michigan
 Electrical Engineering
 1000 North Zeeb Road
 Westland, Michigan 48186

McNAMEE FORTER & STEELY, INC.
 1000 North Zeeb Road
 Westland, Michigan 48186

DESIGNED: GCV/VW
 CHECKED: TFB/TTR
 SCALE: 1/4" = 1'-0"
 DATE: 01/25/08 (08/05/08) (07/04/07) (J)

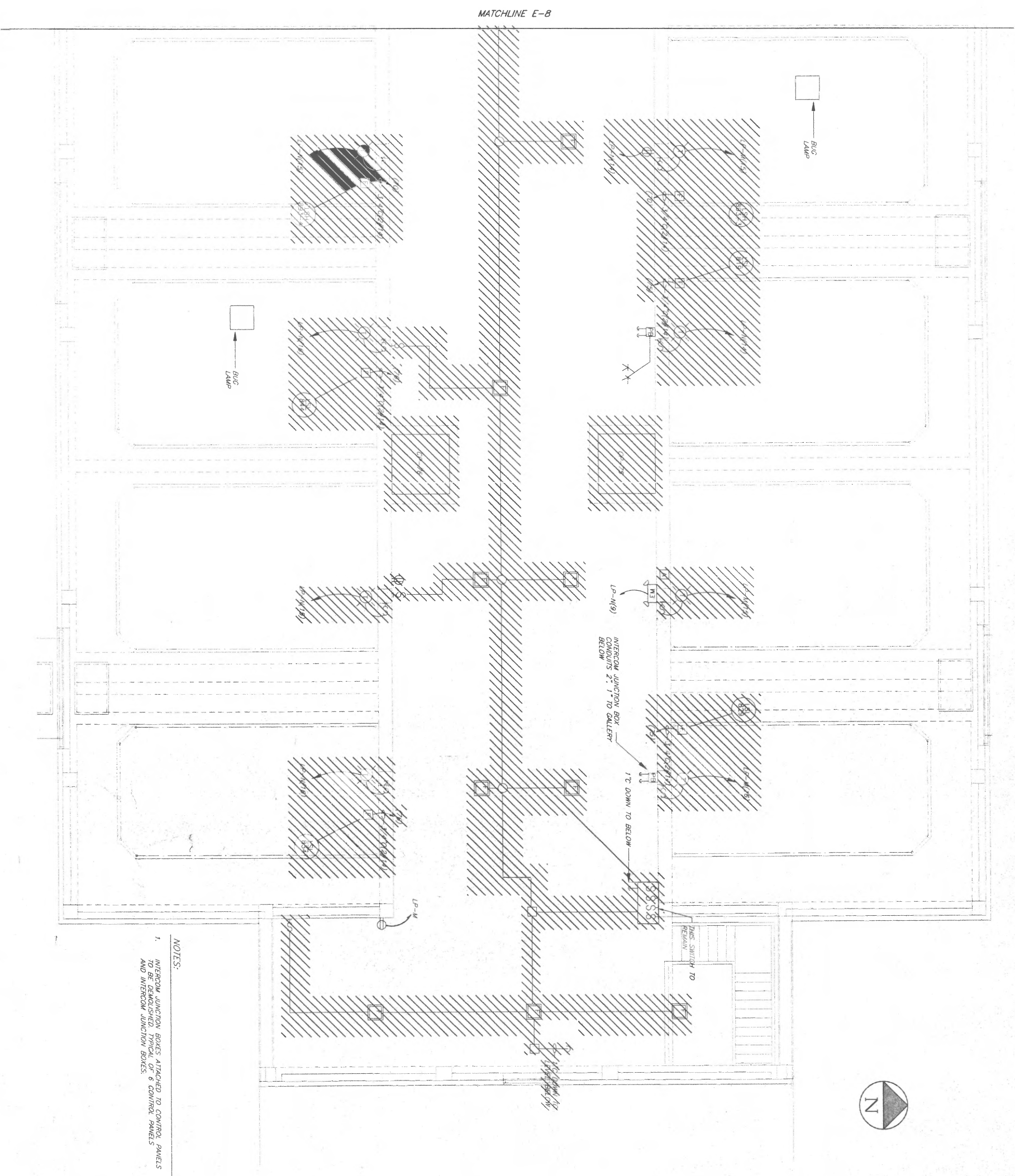
GTF: GUY ANN ARBOR, MICHIGAN
 TFP: TERRY FORTER, MICHIGAN
 TFB: TERRY BROTHER, MICHIGAN

ELECTRICAL

CENTRAL OPERATING FLOOR
DEMOLITION PLANS

DIVISION: CONTRACT: 0106.059-S-1 SHEET: E-8 OF 17

REV	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	MBP	08/97
2	CONFORMING TO RECORDS	TLE	11/99
3			
4			



MATCHLINE E-8

- NOTES:
1. INTERCOM JUNCTION BOXES ATTACHED TO CONTROL PANELS TO BE DEMOLISHED TYPICAL OF 6 CONTROL PANELS AND INTERCOM JUNCTION BOXES.

Ann Arbor, Michigan
 Special Inspection
 David R. Koenig, Inc.
 10000 South State Street
 Farmington Hills, Michigan 48334

M. W. FORTER & SELLER, INC.
 ENGINEER
 10000 South State Street
 Farmington Hills, Michigan 48334

DESIGNED: GCL/K/W
 CHECKED: T/Z/T/T
 DATE: 01/15/03

SCALE: 1/4" = 1'-0"
 SHEET: 0106.059-S-1 OF 4

OWNER: CITY OF ANN ARBOR, MICHIGAN
 PROJECT: EAST OPERATING FLOOR
 ELECTRICAL
 TERTIARY FILTER RENOVATIONS

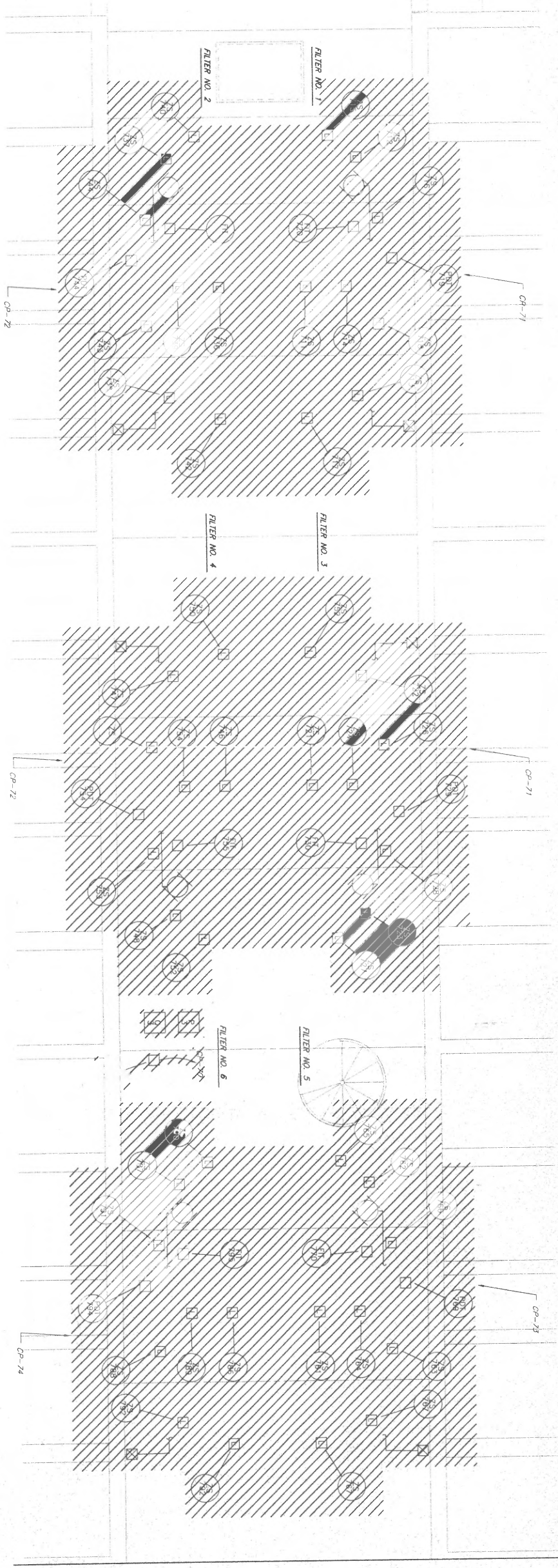
DIVISION: ELECTRICAL
 CONTRACT: 0106.059-S-1
 SHEET: E-9
 OF: 17

DEMOLITION
 EAST OPERATING FLOOR
 PLANS

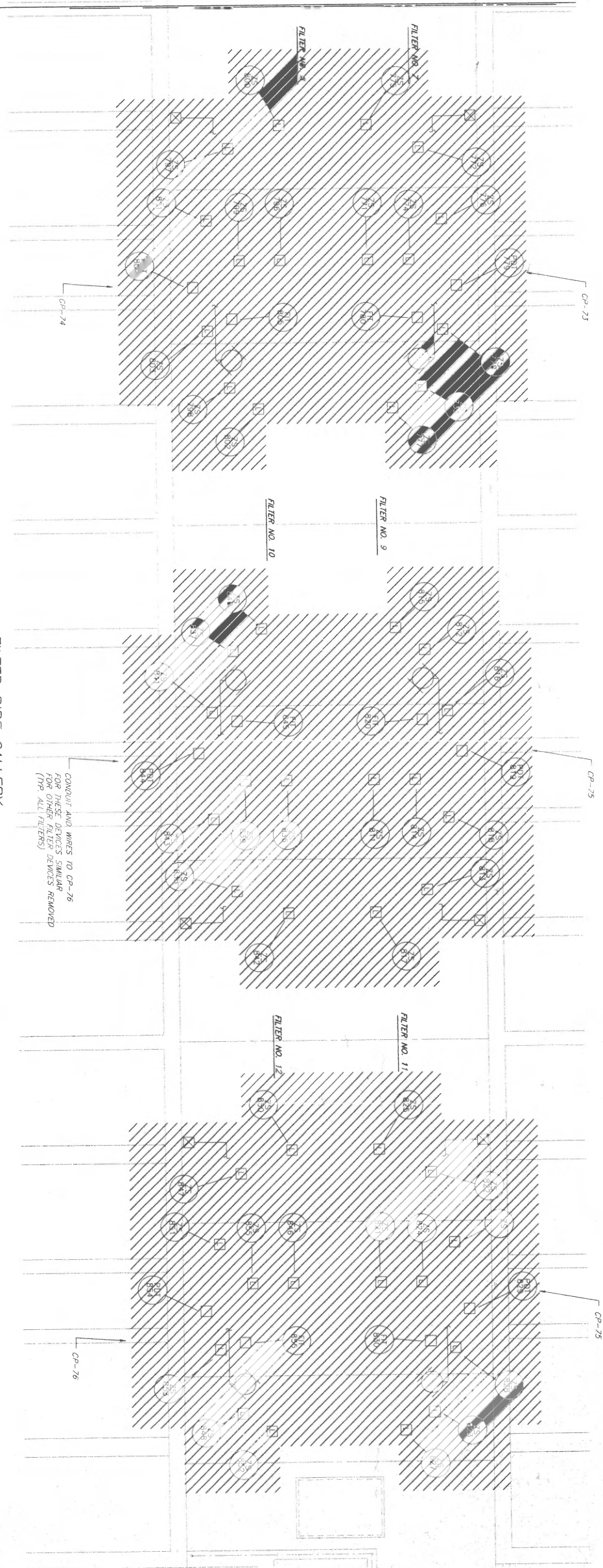
NO.	DATE	BY



CONTINUED LOWER LEFT



CONTINUED UPPER RIGHT



CONDUIT AND WIRES TO CP-76 FOR THESE DEVICES SIMILAR TO OTHER DEVICES REMOVED (PP. ALL FILTERS)

NOTE:
 1. REMOVE ASSOCIATED CONDUIT AND WIRE FROM EXISTING PANELS AND REMOVE ETC. TO EXISTING FILTER PANELS FOR EACH DEVICE SHOWN TO BE REMOVED.

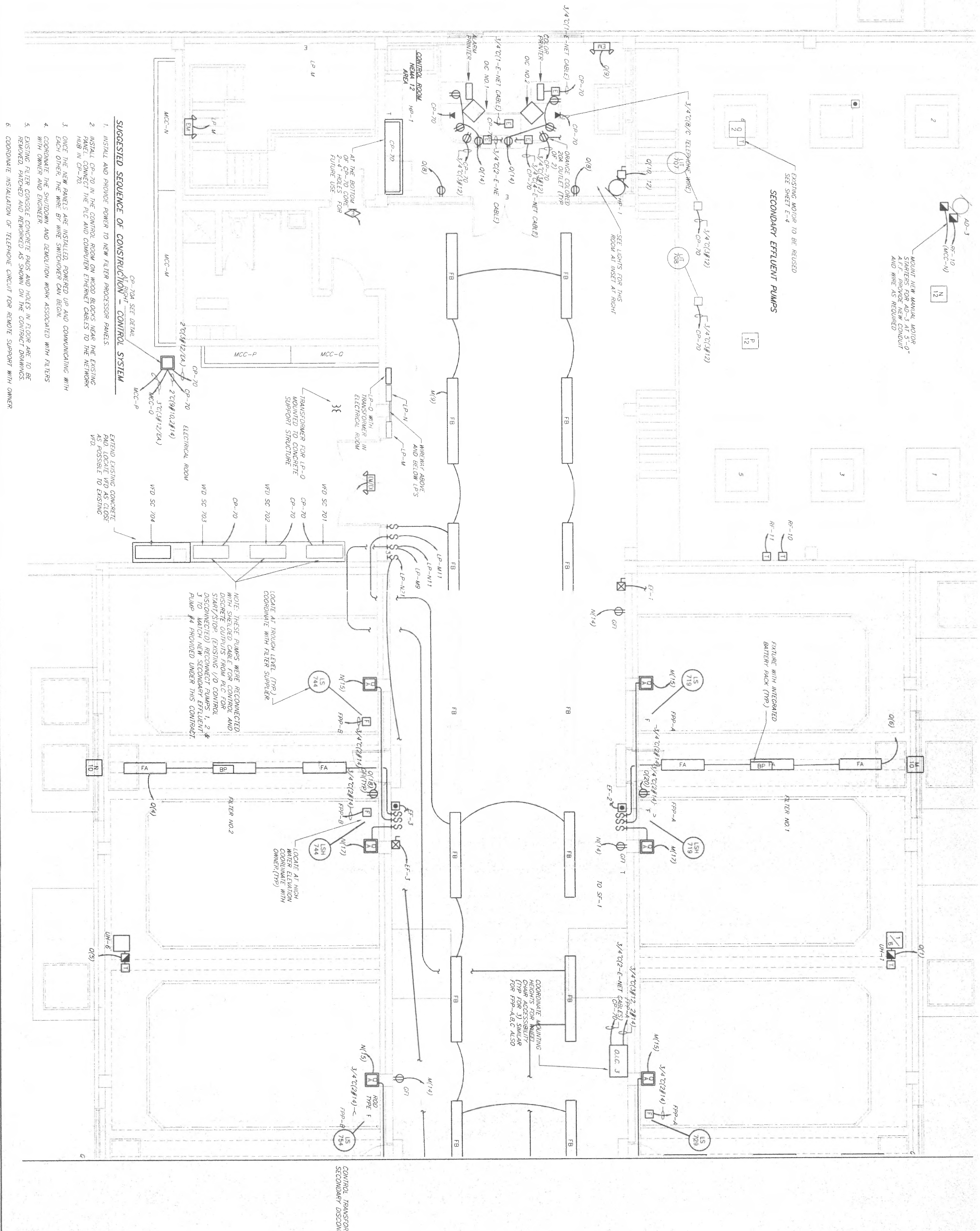
FILTER PIPE GALLERY
 EL. 731.00
 NEAR 4 AREA

Ann Arbor, Michigan	
Detroit, Michigan	
Grand Rapids, Michigan	
Livonia, Michigan	
Farmington Hills, Michigan	
Westland, Michigan	
Warren, Michigan	
Wixom, Michigan	
Ypsilanti, Michigan	
M. S. W. & P. S. STEEL, INC.	
DESIGNED BY	W. S. W. & P. S.
CHECKED BY	J. B. R.
DATE	9-11-57
SCALE	AS NOTED
PART	OF 17
CITY OF ANN ARBOR, MICHIGAN	
WASTEWATER TREATMENT PLANT	
WESTERN FILTER REMEDIATION	
ELECTRICAL	
DEMOLITION	
GALLERY PLAN	
CONTRACT NO.	0106.059-S-1
SHEET NO.	E-10
TOTAL SHEETS	17

40-3
5-10
MCC-N
N
12

INSTALL NEW MANUAL MOTOR STARTERS FOR 40-3 AT 5'-0" A.F. PROVIDE NEW CONDUIT AND WIRE AS REQUIRED

EXISTING MOTOR TO BE REUSED
SEE SHEET E-4
SECONDARY EFFLUENT PUMPS



SUGGESTED SEQUENCE OF CONSTRUCTION - CONTROL SYSTEM

1. INSTALL AND PROVIDE POWER TO NEW FILTER PROCESSOR PANELS
2. INSTALL CP-70 IN THE CONTROL ROOM ON WOOD BLOCKS NEAR THE EXISTING PANEL. CONNECT THE PLC AND COMPUTER ETHERNET CABLES TO THE NETWORK HUB IN CP-70.
3. ONCE THE NEW PANELS ARE INSTALLED, POWERED UP AND COMMUNICATING WITH EACH OTHER, THE WIRE BY WIRE SWITCHOVER CAN BEGIN.
4. COORDINATE THE SHUTDOWN AND DEMOLITION WORK ASSOCIATED WITH FILTERS WITH OWNER AND ENGINEER
5. EXISTING FILTER CONSOLE CONCRETE PADS AND HOLES IN FLOOR ARE TO BE REMOVED, PATCHED AND REFINISHED AS SHOWN ON THE CONTRACT DRAWINGS.
6. COORDINATE INSTALLATION OF TELEPHONE CIRCUIT FOR REMOTE SUPPORT WITH OWNER.

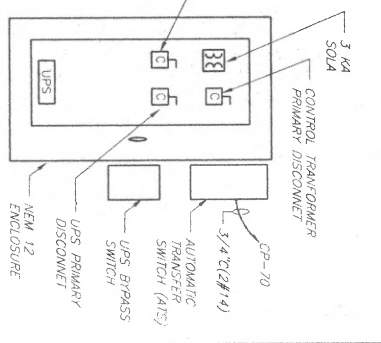
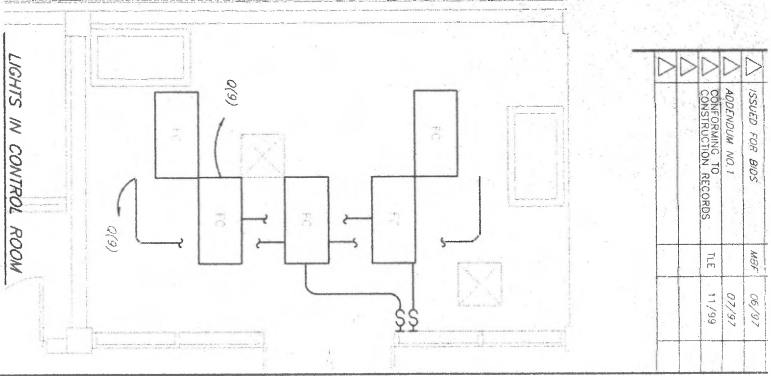
EXTEND EXISTING CONCRETE PAD AND LOCATE VFD AS CLOSE AS POSSIBLE TO EXISTING VFD.

NOTE: THESE PUMPS WERE RECONNECTED TO DISCRETE OUTPUTS FROM PLC FOR START/STOP. (EXISTING VFD CONTROL DISCONNECTED). RECONNECT PUMPS 1, 2 & 3 TO MATCH NEW SECONDARY EFFLUENT PUMP #4 PROVIDED UNDER THIS CONTRACT.

LOCATE AT HIGH WATER ELEVATION COORDINATE WITH OWNER (TYP)

LOCATE AT TROUGH LEVEL (TYP) COORDINATE WITH FILTER SUPPLIER.

MATCHLINE E-12



CP-70A DETAIL
NO SCALE

WEST OPERATING FLOOR PLAN
ELECTRICAL

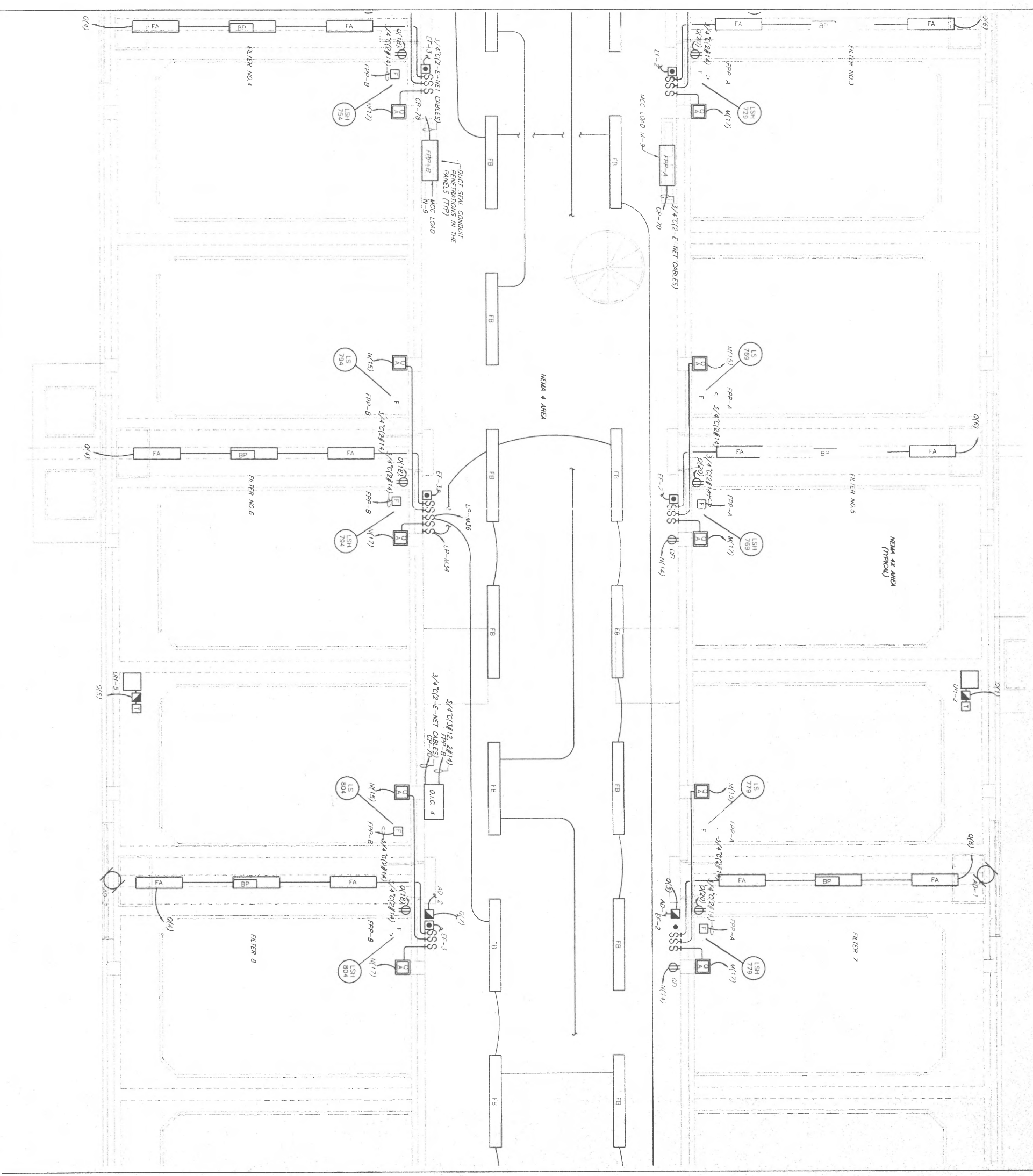
Ann Arbor, Michigan
Dennis, Michigan
George, Michigan
Lindsay, Michigan
M. SAMUEL PASTER & STEEL, INC.
ENGINEERS

DATE: 01/10/09 (REVISED 1/1/09)
SCALE: 1/4" = 1'-0"
SHEET: E-11 OF 12
DIVISION: 0106.059-S-1

ISSUED FOR BIDS	DATE	BY
APPROVAL NO. 1	07/97	
CONSTRUCTION TO COMMENCE	11/98	
REVISIONS		

MATCHLINE E-11

MATCHLINE E-13



Ann Arbor, Michigan
 Electric, Michigan
 Electric, Michigan
 Electric, Michigan

DESIGNED BY
 MICHAEL J. ROBERTS, SELECTIONS, INC.

REVISIONS

NO.	DATE	DESCRIPTION
1	01-18-00	ISSUED FOR BIDS

SCALE: 1/4" = 1'-0"
CHECKED BY: J. H. TITLER
DATE: 01-18-00

PROJECT: 01-18-00 (0300) (10/14) (2 of 3)

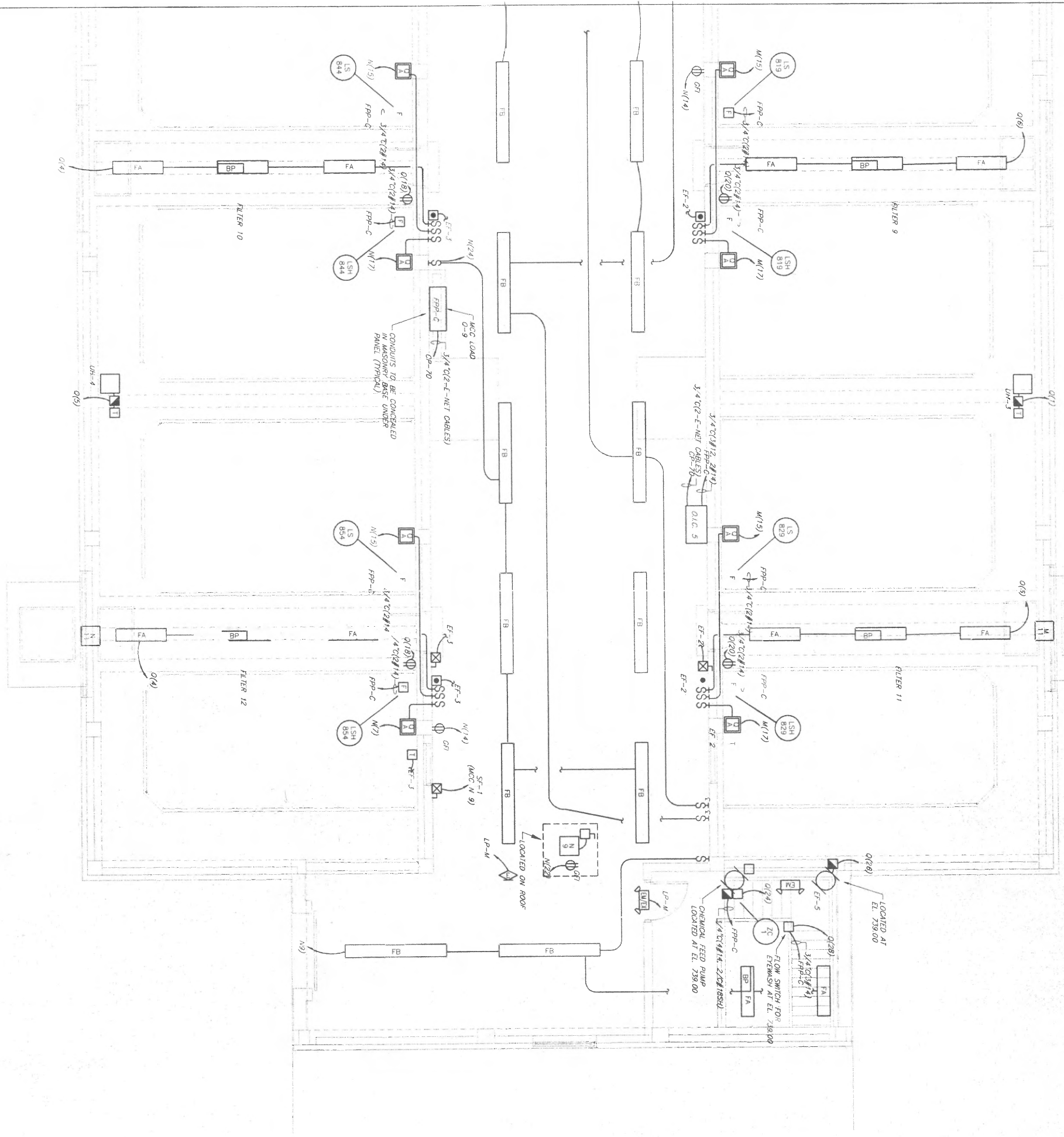
OWNER: CITY OF ANN ARBOR, MICHIGAN
 WATER TREATMENT PLANT
 TERTIARY FILTER RENOVATIONS

ELECTRICAL

CENTRAL OPERATING FLOOR PLANS

DRAWING NO.: 0106.059-S-1
SHEET: E-12
OF: 17

MATCHLINE E-12



- NOTES:**
1. RECEPTACLES TO BE GFI.
 2. DEVICES MANUAL, MOTOR STARTERS, PUSH-BUTTONS, SWP SWITCHES, RECEPTACLES, ETC) TO BE RATED NEMA 4.



ISSUED FOR BIDS	06/29
ADDITIONAL NO. 1	07/97
CONFORMING TO	11/99
CONSTRUCTION RECORDS	

EAST OPERATING FLOOR PLANS

ELECTRICAL

0106:059-S-1

E-13

5/12

Ami Arbor, Michigan
 Detroit, Michigan
 48201-1500
 313.963.1100
 www.amiarbor.com

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: 01-18-00

SCALE: 1/4" = 1'-0"

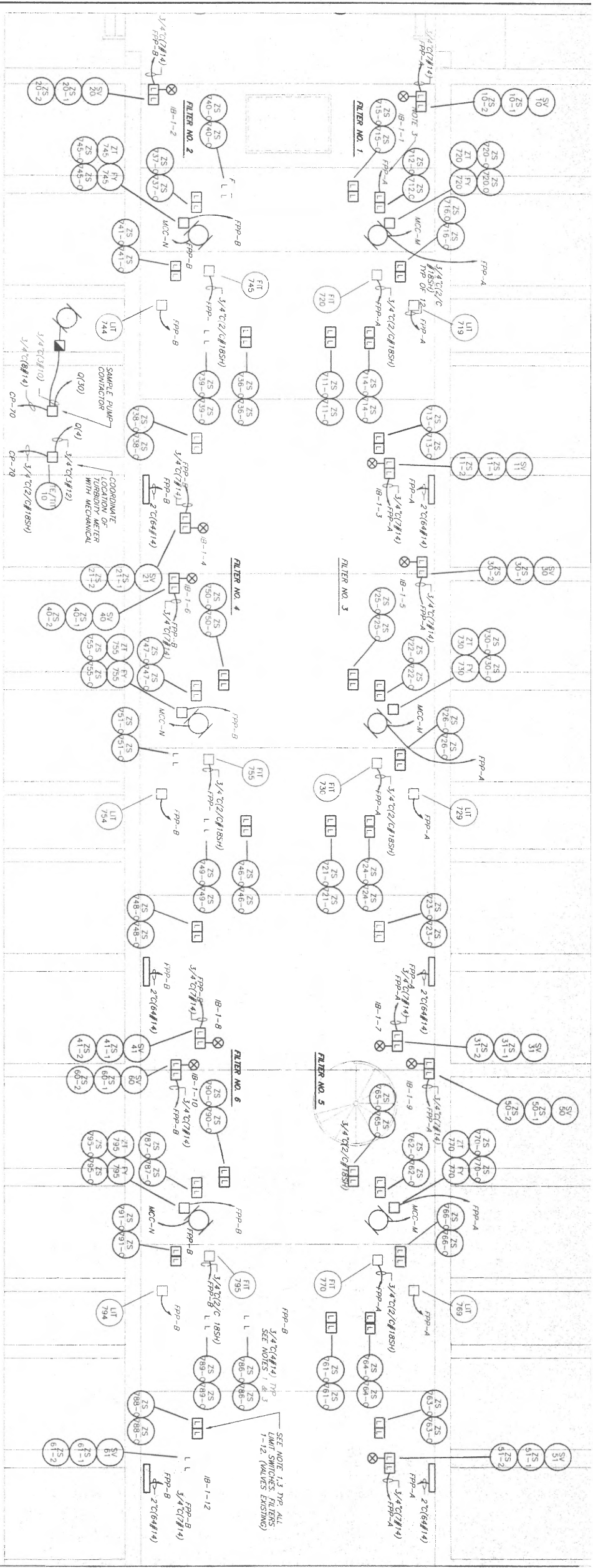
PROJECT: 0106:059(S) (PART 1 OF 2)

OWNER: AMI ARBOR, MICHIGAN
 MASTER WATER TREATMENT PLANT
 TERTIARY FILTER RENOVATIONS

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	MBF	06/97	
2	COORDINATE NO. 1		07/97	
3	CONTRIBUTING TO CONSTRUCTION RECORDS		11/99	

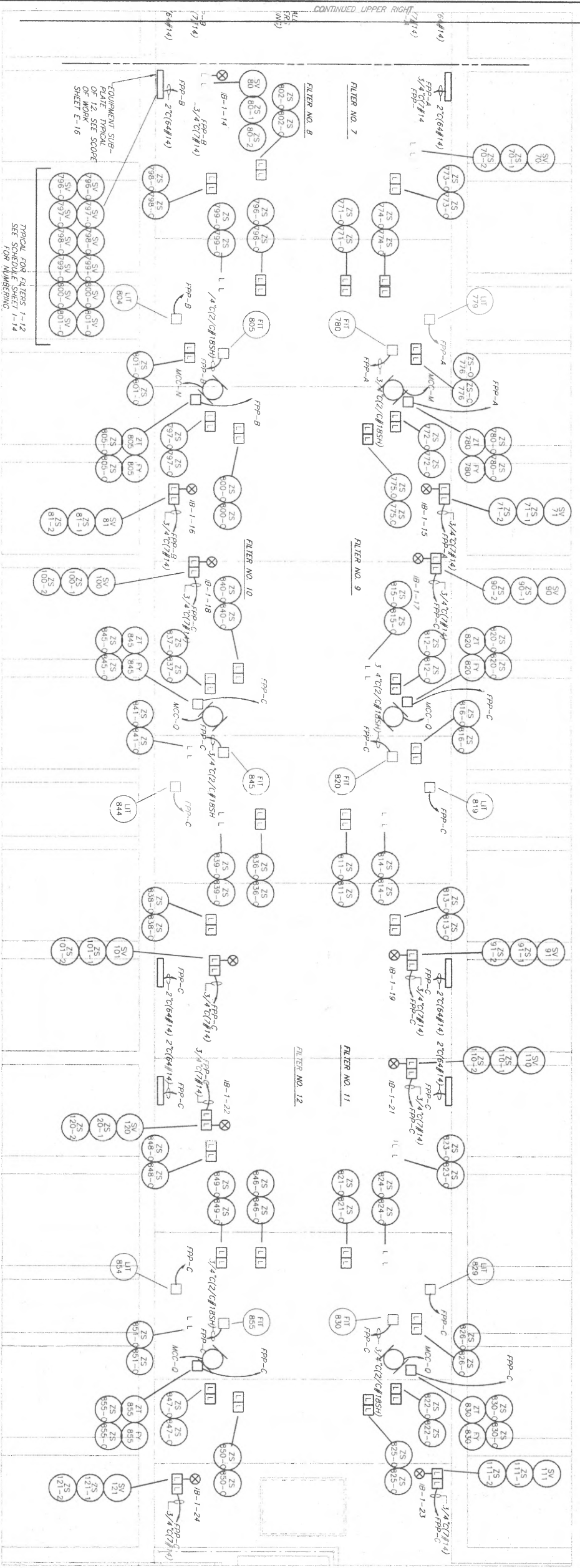


CONTINUED LOWER LEFT



NOTES:

1. NEW LIMIT SWITCHES ARE TO BE INSTALLED FOR VALVES SHOWN IN SCHEDULE ON SHEET E-14. PROVIDE NEW CONDUIT AND WIRE TO NEW LIMIT SWITCHES. MOUNT NEW LIMIT SWITCHES TO EXISTING PROCESS VALVES. DRILL SWITCHES. PROVIDE MOUNTING HARDWARE AS REQUIRED.
2. NEW CONDUIT/WIRE REQUIRED FOR EXISTING LOSS OF HEAD TRANSMITTERS 2-WIRE EFFLUENT FLOW METERS, ETC.
3. PROVIDE 3/4\"/>



EQUIPMENT SUB-PLATE TYPICAL OF WORK SHEET E-16

TYPICAL FOR FILTERS 1-12 SEE SCHEDULE SHEET E-14 FOR HARDWARE

FILTER PIPE GALLERY
EL. 731.00

SEE NOTE 1, 2, AND 3

GALLERY PLAN

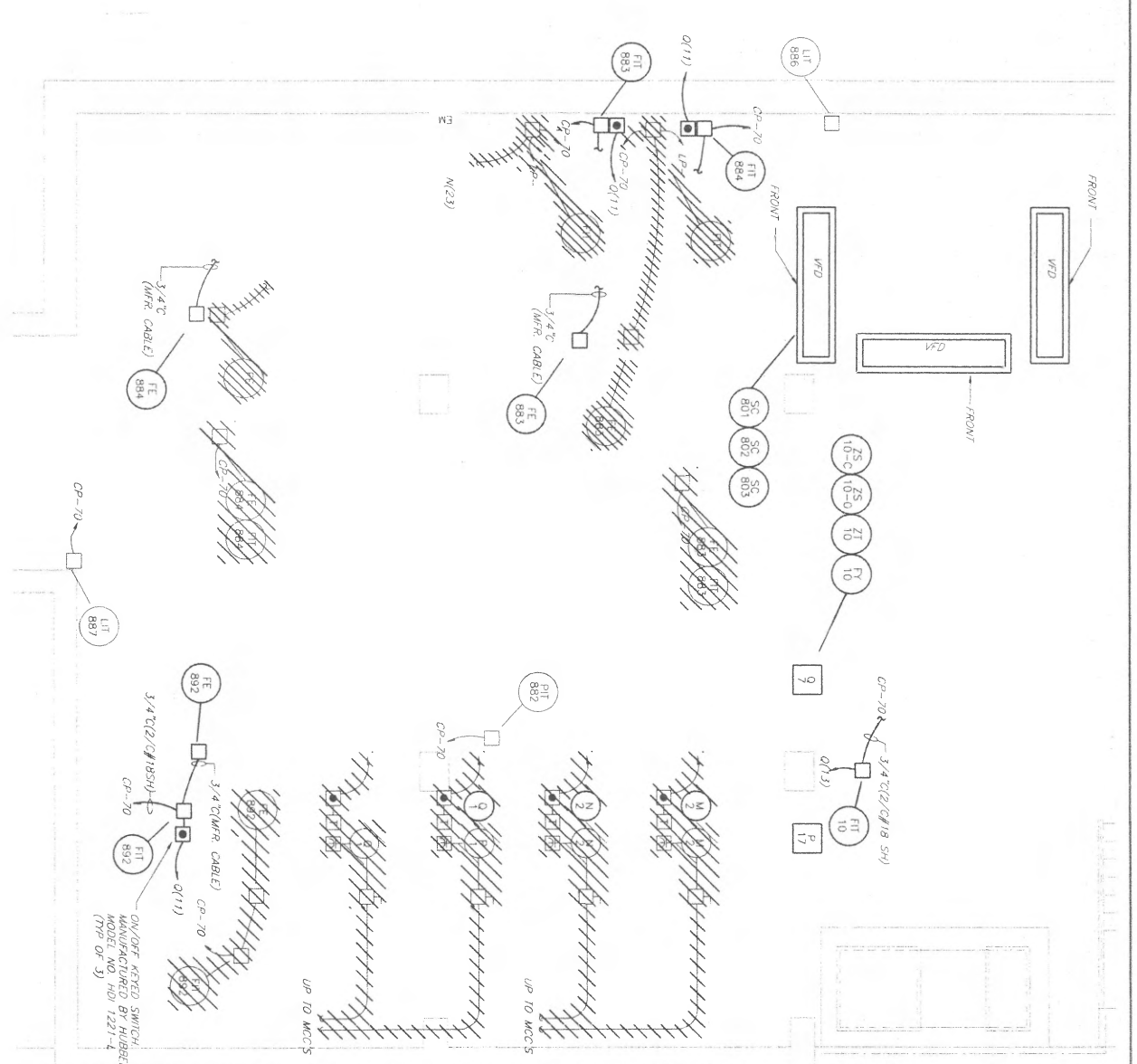
Ann Arbor, Michigan
David, Michigan
George Roberts, Michigan
Landscape Architect, Michigan

REISSUED 06/11/97
SCALE AS NOTED
PART 010500 (CONDUIT/PIPE/WIRE)
CITY OF ANN ARBOR, MICHIGAN
WATER TREATMENT PLANT
ELECTRICAL

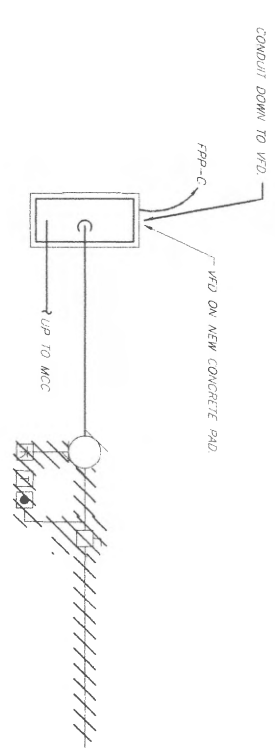
DESIGNED BY: R. J. KELLY INC.
CHECKED BY: DEBBIE FORTNER
DATE: 11-14-99

CONTRACT: 0106.059-S-1
SHEET: E-14 OF 17

REV	DESCRIPTION	DATE	CHK'D
1	ISSUED FOR BIDS	06/97	
2	APPROVAL NO. 1	07/97	
3	CONSTRUCTION RECORDS	11/99	



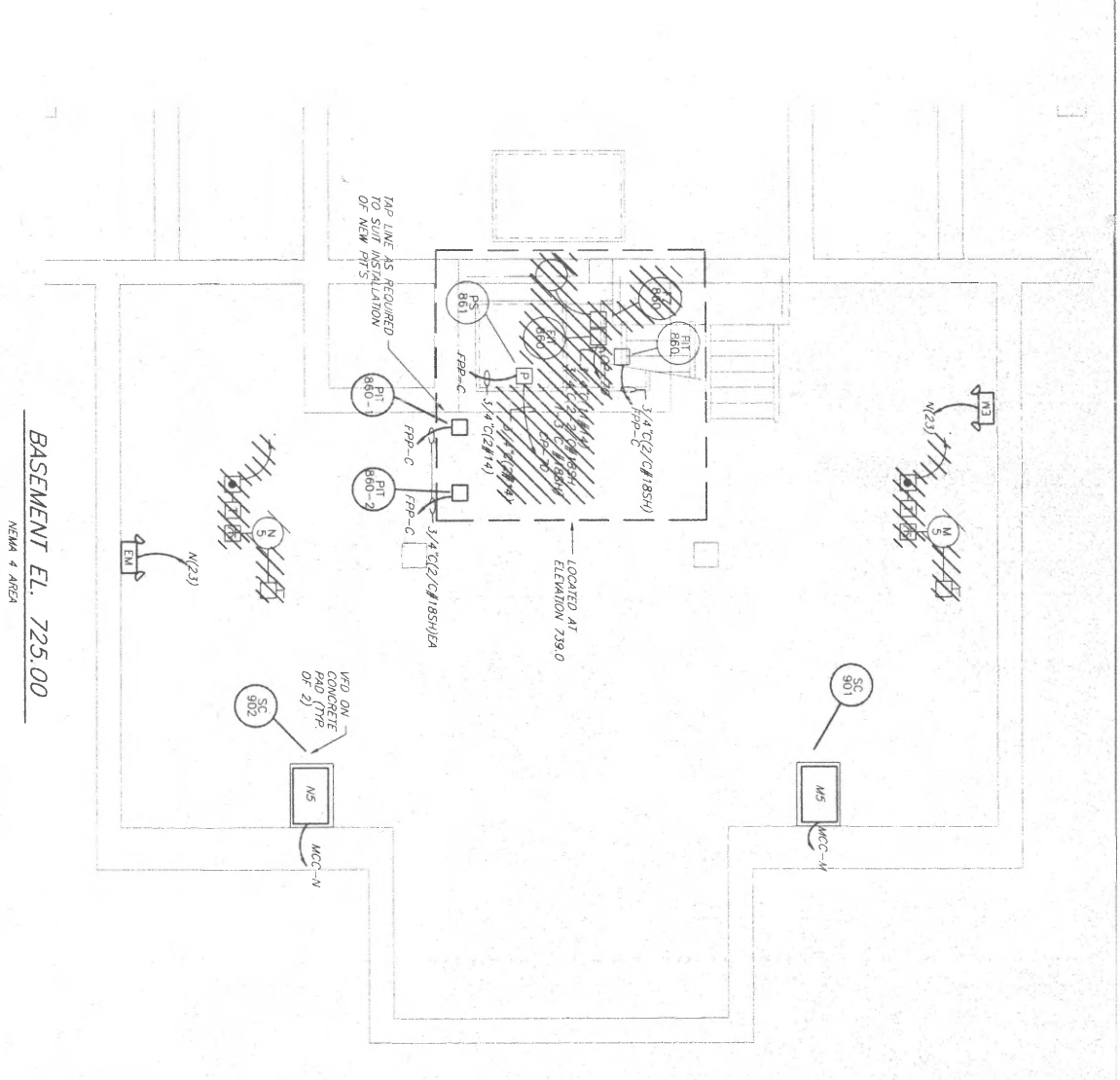
PUMP ROOM
BASEMENT EL. 725.00
AREA 4 AREA 4



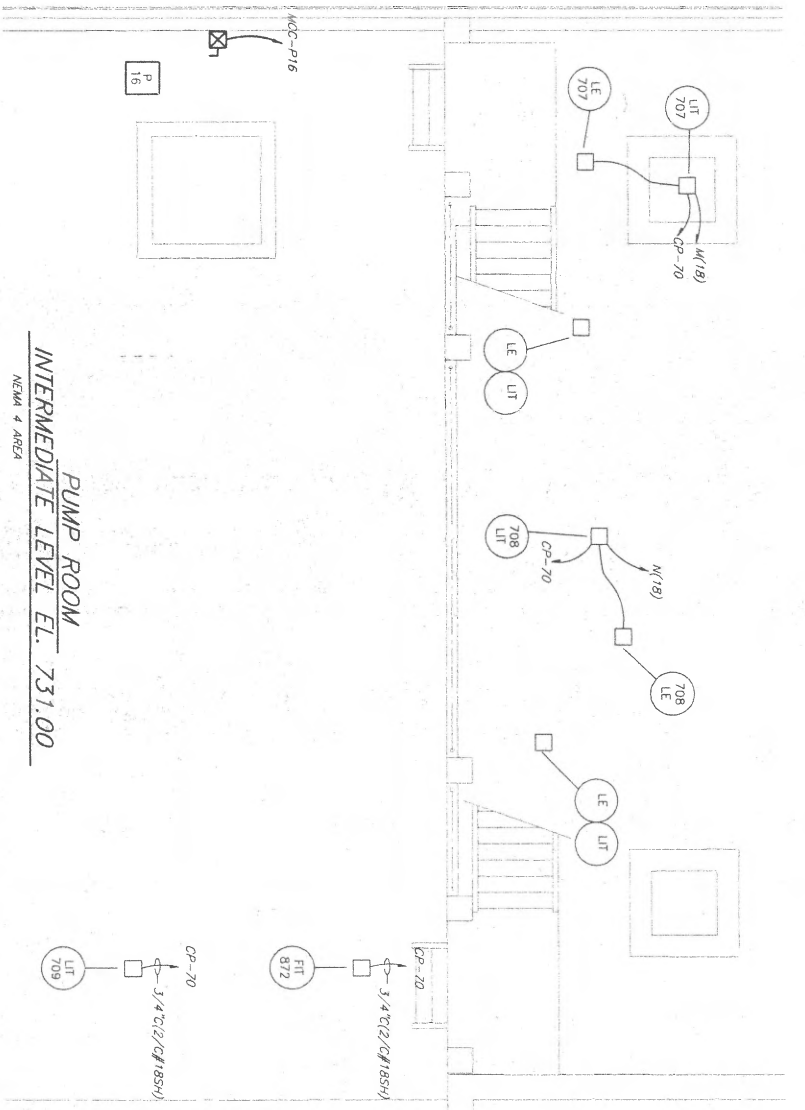
TYPICAL INSTALLATION DETAIL
(BACKWASH PUMPS 1,2 - NEW VFD'S)

NOTES:

1. REMOVE EXISTING CLAMP-ON FLOWMETERS AND VENTURI METERS/TRANSmitters. INSTALL NEW METERS AND TRANSMITTERS PROVIDE NEW 120V POWER CONDUIT AND WIRE TO LIGHTING PANELBOARD AND SIGNAL CONDUIT AND SHIELDED CABLE TO CP-70.
2. TURN OVER DEMOLISHED METERS TO OWNER.



PUMP ROOM
BASEMENT EL. 725.00
AREA 4 AREA 4



PUMP ROOM
INTERMEDIATE LEVEL EL. 731.00
AREA 4 AREA 4

Ann Arbor, Michigan
City of Ann Arbor, Michigan
Department of Public Works
Water & Sewer Division
1000 Stadium Drive, Ann Arbor, MI 48106-1500
Tel: 734-769-1000
Fax: 734-769-1001

REVISIONS

NO.	DATE	DESCRIPTION
1	01/05/00	ISSUED FOR BIDS
2	07/01/97	APPROVAL NO. 1
3	11/09/99	CONSTRUCTION RECORDS

SCALE: 1/4" = 1'-0"
DATE: 11-15-99
DRAWN BY: JAC/MLW
CHECKED BY: JAC/MLW
DATE: 11-15-99

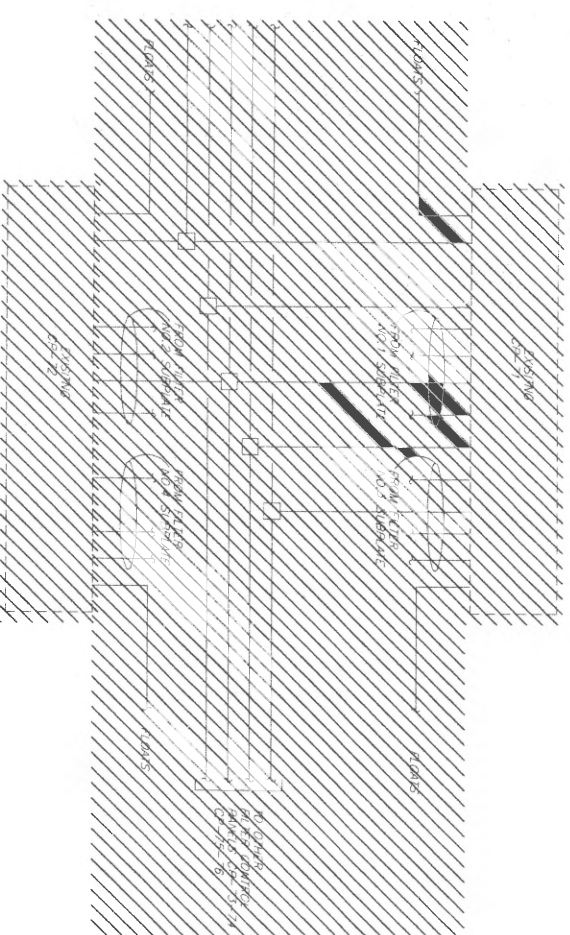
INTERMEDIATE LEVEL AND BASEMENT PLANS
ELECTRICAL
0106.059-S-1
SHEET E-15 OF 17

SCOPE OF WORK – FILTER EQUIPMENT SUBPLATES (TP. OF 12 SUBPLATES):

1. REMOVE EXISTING STARTER ENCLOSURE FOR THE MOTORIZED EFFLUENT VALVE.
2. REMOVE CONDUIT WIRE PULLBOBS ASSOCIATED WITH EACH EQUIPMENT SUBPLATE.
3. REMOVE EXISTING MANHOLE STYLE SOLENOIDS.
4. SANDBLAST RUST FROM EXISTING EQUIPMENT SUBPLATE.
5. REMOVE THE CONDUITS FROM THE SUBPLATE WHICH GO UP TO THE CONTROL CONSOLE.
6. REPAINT THE ENTIRE SUBPLATE COLOR TO BE SELECTED BY OWNER.
7. INSTALL NEW MANHOLE STYLE SOLENOIDS, RECONNECT EXISTING COPPER TUBING TO NEW SOLENOIDS, MODIFY EXISTING TUBING AS REQUIRED.
8. PROVIDE NEW CONDUIT AND WIRE FROM FILTER SOLENOID PANEL TO NEW FILTER PROCESSOR PANEL AS SHOWN ON BACKGROUNDS.

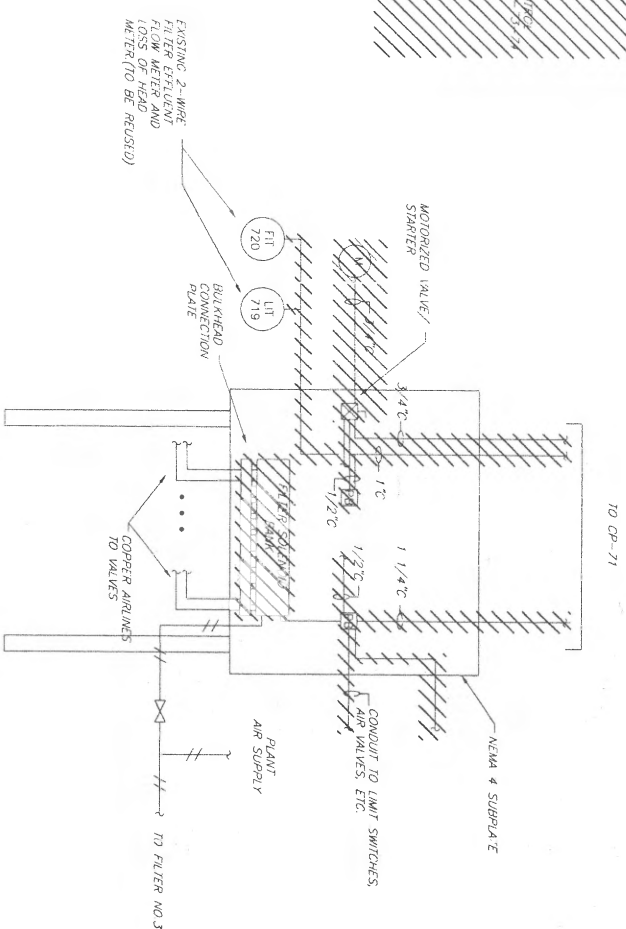
SCOPE OF WORK – CONDUIT DEMOLITION ASSOCIATED WITH FILTERS 1-12

1. ONCE THE NEW CONTROL SYSTEM IS INSTALLED THE FOLLOWING CONDUITS SHALL BE REMOVED (THIS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO BIDS) AS A MINIMUM REMOVE THE FOLLOWING:
 - A. CONDUITS FROM CP-70 TO FILTER CONSOLES CP-71 THRU CP-76
 - B. CONDUITS BETWEEN FILTER CONSOLES 71 THRU 76
 - C. CONDUITS FROM CP-70 TO ELECTRICAL ROOM (MOTOR CONTROL CENTERS M.N.P.O)
 - D. REMOVE ASSOCIATED WIRE FROM THE ABOVE CONDUITS



EXISTING CONDUITS DETAIL DEMOLITION

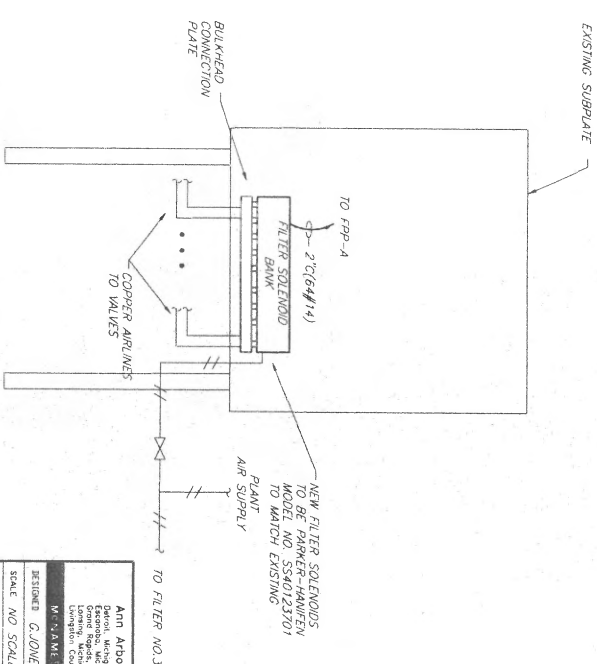
SHALL BE FOR EXISTING FILTER CONTROL PANELS
SEE SCOPE OF WORK ABOVE FOR CONDUIT DEMOLITION



FILTER NO. 1 EQUIPMENT SUBPLATE

PROPOSED DEMOLITION

TYPICAL FOR 11 OTHER EQUIPMENT SUBPLATES
NO SCALE



FILTER NO. 1 EQUIPMENT SUBPLATE

PROPOSED WORK

TYPICAL FOR 11 OTHER EQUIPMENT SUBPLATES
COORDINATE PLUMBING REQUIREMENTS WITH MECHANICAL CONTRACTOR

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	AB	06/27	
2	CONFORMING TO CONSTRUCTION RECORDS	TLE	11/29	
3				
4				

Ann Arbor, Michigan
 Electrical Engineering
 1000 North Zeeb Road
 East Lansing, Michigan 48824
 Telephone: (517) 335-1111
 Fax: (517) 335-1112

WVW
 CONSULTING ENGINEERS

W. J. WILSON, P.E. - CHIEF ENGINEER
 R. J. WILSON, P.E. - SENIOR ENGINEER
 B. J. WILSON, P.E. - SENIOR ENGINEER
 M. J. WILSON, P.E. - SENIOR ENGINEER
 J. J. WILSON, P.E. - SENIOR ENGINEER
 K. J. WILSON, P.E. - SENIOR ENGINEER
 L. J. WILSON, P.E. - SENIOR ENGINEER
 O. J. WILSON, P.E. - SENIOR ENGINEER
 P. J. WILSON, P.E. - SENIOR ENGINEER
 Q. J. WILSON, P.E. - SENIOR ENGINEER
 R. J. WILSON, P.E. - SENIOR ENGINEER
 S. J. WILSON, P.E. - SENIOR ENGINEER
 T. J. WILSON, P.E. - SENIOR ENGINEER
 U. J. WILSON, P.E. - SENIOR ENGINEER
 V. J. WILSON, P.E. - SENIOR ENGINEER
 W. J. WILSON, P.E. - SENIOR ENGINEER
 X. J. WILSON, P.E. - SENIOR ENGINEER
 Y. J. WILSON, P.E. - SENIOR ENGINEER
 Z. J. WILSON, P.E. - SENIOR ENGINEER

DESIGNED BY: **W. J. WILSON**
 CHECKED BY: **T. WILSON**
 SCALE: NO SCALE
 PART: 0106.059-5-1 OF 17

CONTRACT
 0106.059-5-1

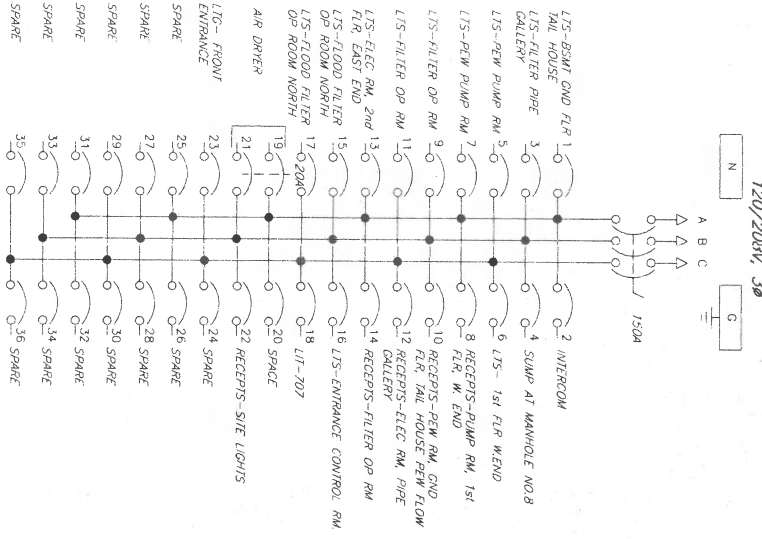
SHEET
 E-16
 OF 17

FILTER CONTROL

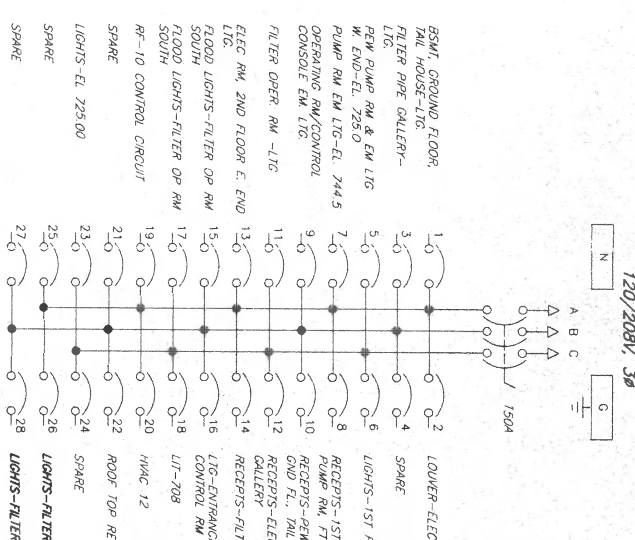
LUMINAIRE SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING	LUMENS			MANUFACTURERS (OR EQUIV)	MODEL OR SERIES
			NO.	WATTAGE	TYPE		
1	INDUSTRIAL 1'x4' LUMINAIRE WITH WHITE PRISMATIC ACRYLIC DIFFUSER, ENCLOSED AND GASKETED.	SURFACE	2	40	F40SP35	HUBBELL LITHONIA DATAWHITE	DNT SERIES DMW 240 SERIES IMPORLUM
2	INDUSTRIAL 1'x8' LUMINAIRE WITH WHITE PRISMATIC ACRYLIC DIFFUSER, ENCLOSED AND GASKETED.	SURFACE	2	105	F80T12/CW/HO	HUBBELL LITHONIA DATAWHITE	DNT SERIES DMW 296 HO SERIES IMPORLUM
3	COMMERCIAL 2'x4' STAINL. GAB. TRAYER WITH STEEL HOUSING, WHITE ENAMEL FINISH, 1/2" CELLULAR.	LAY-IN	2	40	F40SP35	LITHONIA	2SP-240 SERIES
4	INDUSTRIAL QUARTZ FLOOD LAMP, DEGCST ALUMINUM HOUSING, DARK BRONZE.	SURFACE	1	300	QUAN72	COOPER LIGHTING	Q2-1
EM	EMERGENCY FIXTURE WITH LED LAMPS	AS REQ'D	2	12	P98-36	LITHONIA LIGHTING	QUANTUM

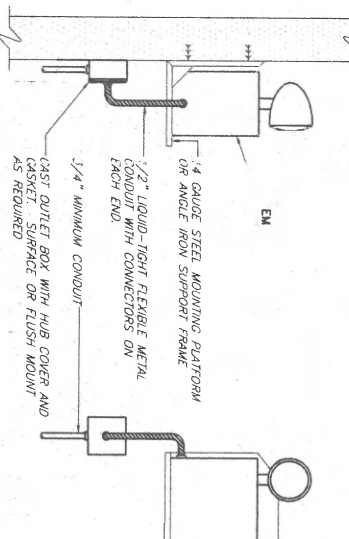
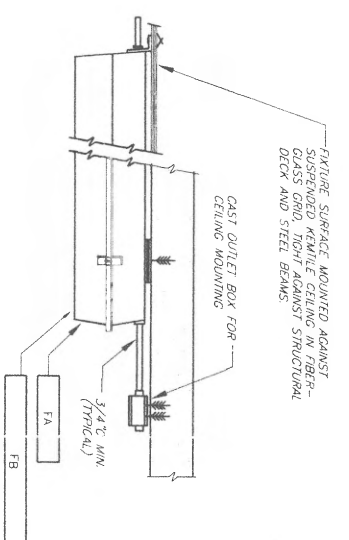
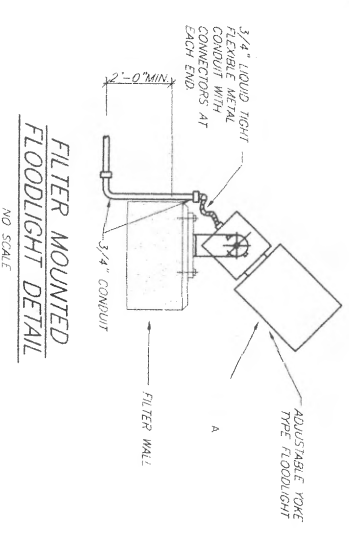
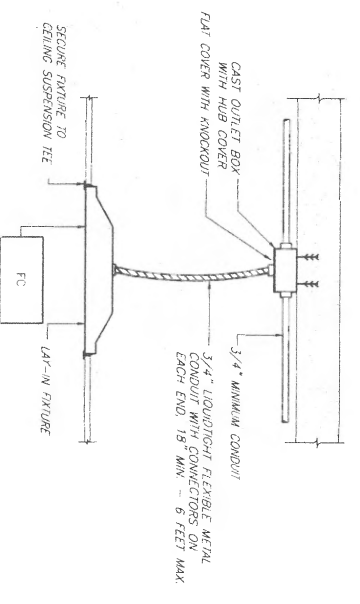
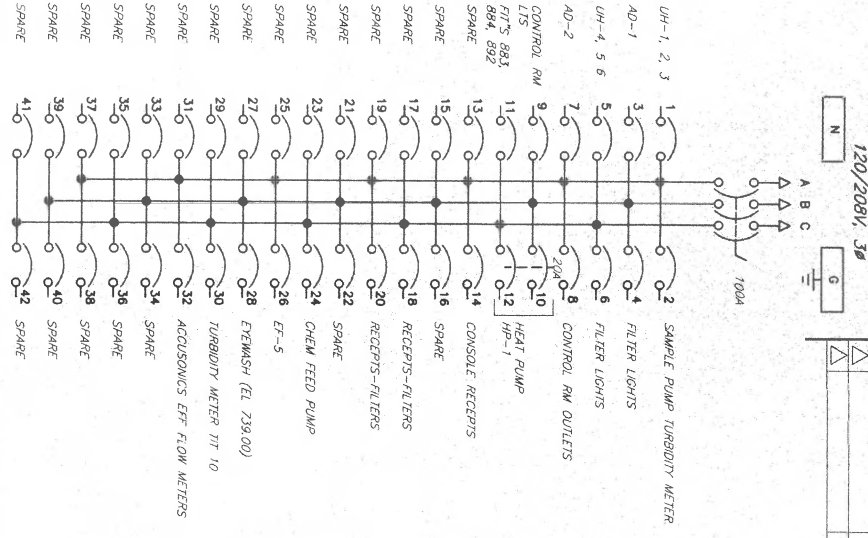
EXISTING PANELBOARD LP-M LOCATED IN FILTER BUILDING 120/208V, 3Ø



EXISTING PANELBOARD LP-M LOCATED IN FILTER BUILDING 120/208V, 3Ø



PROPOSED PANELBOARD LP-Q LOCATED IN FILTER BUILDING 120/208V, 3Ø



NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR BIDS	06/97	MP
2	CONSTRUCTION RECORDS	11/98	TLE

Ant. Arboir, Michigan
 Daniel, Michigan
 David, Michigan
 George, Michigan
 Joseph, Michigan
 Leonard, Michigan
 Robert, Michigan
 William, Michigan

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 SCALE: AS SHOWN
 DATE: 11-15-98
 SHEET: E-17 OF 17

SCHEDULES AND DETAILS
 ELECTRICAL
 0106.059-S-1

GRAPHIC SYMBOL FOR INSTRUMENTATION ITEMS

	DEVICE MOUNTED ON PANEL		CONTROL RELAY CONTACT-NORMALLY OPEN
	BOARD OR PANEL MOUNTED DEVICE-- DEVICE MOUNTED INSIDE PANEL		CONTROL RELAY CONTACT-NORMALLY CLOSED
	FIELD OR LOCALLY MOUNTED DEVICE		LIGHTNING ARRESTOR
	PROGRAMMED FUNCTION NOT NORMALLY ACCESSIBLE TO OPERATOR		ELAPSED TIME INDICATOR
	PROGRAMMED FUNCTION ACCESSIBLE THROUGH OPERATOR'S INTERFACE DEVICE		TIMING RELAY COIL
	COMPUTER SYSTEM INPUT OR OUTPUT POINT		TIMED RELAY COIL (OFF-DELAY)
	INTERLOCKING		INDICATING LIGHT
	EXCLUSIVE OR		PUSH-TO-TEST INDICATING LIGHT
	ALTERNATOR		BATTERY
	OR		SECONDARY TRANSFORMER
	AND		VARIABLE RESISTOR
	MOTOR STARTER		RESISTOR
	PURGE		MOLDED CASE CIRCUIT BREAKER
	COMPLEX LOGIC		SPEED SWITCH
	COMPUTER LOGIC SYSTEM		MOMENTARY PUSHBUTTON OPERATOR - NORMALLY CLOSED
	TERMINAL OR TRANSITION POINT		MOMENTARY PUSHBUTTON OPERATOR - NORMALLY OPEN
	FLUID SWITCH		SELECTOR SWITCH-NORMALLY OPEN
	PRESSURE FLAME		PUSHBUTTON OPERATOR WITH MUSHROOM HEAD
	MIXER		SOLENOID OR CLUTCH
	SEAL		THERMAL OVERLOAD
	OFF RACK CONNECTOR		A-C SURGE PROTECTOR
	PROCESS MACHINERY MOTOR		NOISE
	VENTURI OR WIGBY FLOW TUBE		FIELD LOCATED
	IN-LINE FLOW ELEMENT (PROPELLER TYPE)		TERMINAL POINT
	IN-LINE FLOW ELEMENT (MAGNETIC TYPE)		TERMINAL POINT ARROW
	IN-LINE FLOW ELEMENT (ULTRA SONIC)		LOW VOLTAGE FUSE
	FLOW ORIFICE		CIRCUIT BREAKER WITH SHAB CONNECTION
	TURBIDIMETER		CONTROL POWER TRANSFORMER
	ROTAMETER		TWO COIL LATCHING RELAY
	PUMP		RECTIFIER
	BLOWER		SELECTOR SWITCH OPERATOR WITH FUNCTION SHOW
	GENERAL USE DISCONNECTING SWITCH		MAINTAINED PUSH-PULL OPERATOR
	TIMED CLOSED CONTACT ON ENERGIZATION		MAINTAINED STOP-START PUSHBUTTON OPERATOR
	TIMED OPEN CONTACT ON ENERGIZATION		DIODE RECTIFIER OR D-C SURGE PROTECTOR
	TIMED CLOSED CONTACT ON DE-ENERGIZATION		
	TIMED OPEN CONTACT ON DE-ENERGIZATION		
	FLUID ACTUATED SWITCH-NO		
	PRESSURE ACTUATED SWITCH-NC		
	PRESSURE ACTUATED SWITCH-NC		
	PRESSURE ACTUATED SWITCH-NO		
	FLOW ACTUATED SWITCH-NO		
	FLOW ACTUATED SWITCH-NC		
	TEMPERATURE SWITCH-NO		
	TEMPERATURE SWITCH-NC		
	LIMIT SWITCH - NORMALLY OPEN		
	LIMIT SWITCH - NORMALLY OPEN - HELD CLOSED		
	LIMIT SWITCH - NORMALLY CLOSED - HELD OPEN		
	LIMIT SWITCH - NORMALLY CLOSED		

GRAPHIC SYMBOLS FOR VALVES

	STROKE OR POSITION ACTUATOR
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	STROKE OR POSITION ACTUATOR

I.S.A. STANDARD LETTER FUNCTIONS

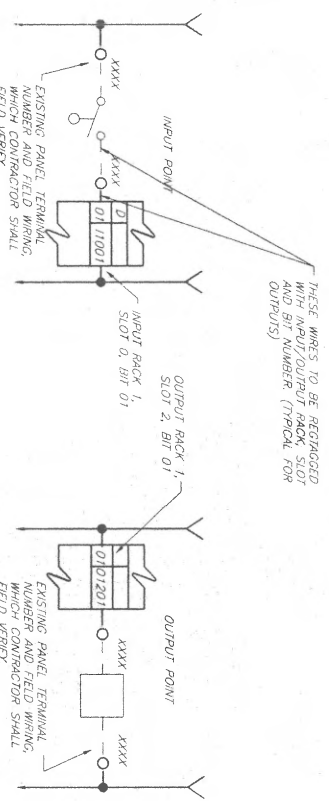
SYMBOL	FIRST LETTER	SUBSEQUENT LETTERS
A	ANALYSIS	ANALYZE
B	BURNER	BURNER
C	CONTROL	CONTROL (FEEDBACK TYPE)
D	CONTROL	CONTROL (FEEDBACK TYPE)
E	ERROR	ERROR
F	FLOW RATE	FLOW RATE
G	GAGING	GAGING
H	HAND	HAND
I	CURRENT	CURRENT
J	POWER	POWER
K	TIME	TIME SCHEDULE
L	LEVEL	LEVEL
M	MOISTURE	MOISTURE
N	OVERLOAD	OVERLOAD
O	PRESSURE	PRESSURE
P	POINT	POINT
Q	QUANTITY	QUANTITY
R	RADIATION	RADIATION
S	SPEED	SPEED
T	TEMPERATURE	TEMPERATURE
U	UNUSABLE	UNUSABLE
V	VIBRATION	VIBRATION
W	WEIGHT	WEIGHT
X	WEIGHT	WEIGHT
Y	WEIGHT	WEIGHT
Z	POSITION	POSITION

ABBREVIATIONS

SYMBOL	DESCRIPTION
R	RESET
S	SET POINT
AS	ANALOG SIGNAL
DS	DIGITAL SIGNAL
CS	CAS SIGNAL
HS	HIGH SIGNAL
LS	LOW SIGNAL
NS	NORMAL SIGNAL
OP	ORIGIN REDUCTION POTENTIAL
SS	STEAM SUPPLY
SP	SET POINT
WP	WATER SUPPLY
FW	PROCESS VARIABLE
FD	FINAL OPEN
FC	FINAL CLOSE
G	GAIN OR PROPORTIONAL CONTROL
I	INTEGRAL OR RESET CONTROL
D	DERIVATIVE OR RATE CONTROL
V	VELOCITY ALGORITHM
T-D	ON-OFF CONTROL
S	SQUARE ROOT EXTRACTOR
A	ADD OR TOTALIZE
S	SUBTRACT OR DIFFERENCE
H	HIGHEST MEASURED VARIABLE
L	LOWEST MEASURED VARIABLE
E/L	CONVERT ONE TO ANOTHER
M	MULTIPLY, DIVIDE
R	RUNS OR REVERSING
CH	CHARACTERIZE - (EQUATION / LOG/ETC)

INSTRUMENTATION LINE SYMBOLS

SYMBOL	DESCRIPTION
	ELECTRICAL SIGNAL
	AIR LINE
	HYDRAULIC SIGNAL
	ELECTROMAGNETIC OR SONIC SIGNAL
	SIGNALING SIGNAL
	CONNECTION TO PROCESS OR MECHANICAL LINK
	ETHERNET CABLE
	FIBER OPTIC CABLE
	DATA HIGHWAY BUS



EXAMPLES OF I/O

PROCESSOR #1, INPUT
 0117 RACK 0, SLOT 1, BIT 12
 1 = INPUT
 0 = OUTPUT

NOTES:

1. PLC POWER SUPPLIES TO BE RATED 16A EXCEPT WHERE NOTED
2. SPARE I/O POINTS TO BE WIRED OUT TO TERMINAL STRIPS FOR FUTURE USE BY OWNER
3. PROVIDE 24V DC LOOP POWER SUPPLY FOR ALL EXISTING 2-WIRE TRANSMITTERS.

LEGEND

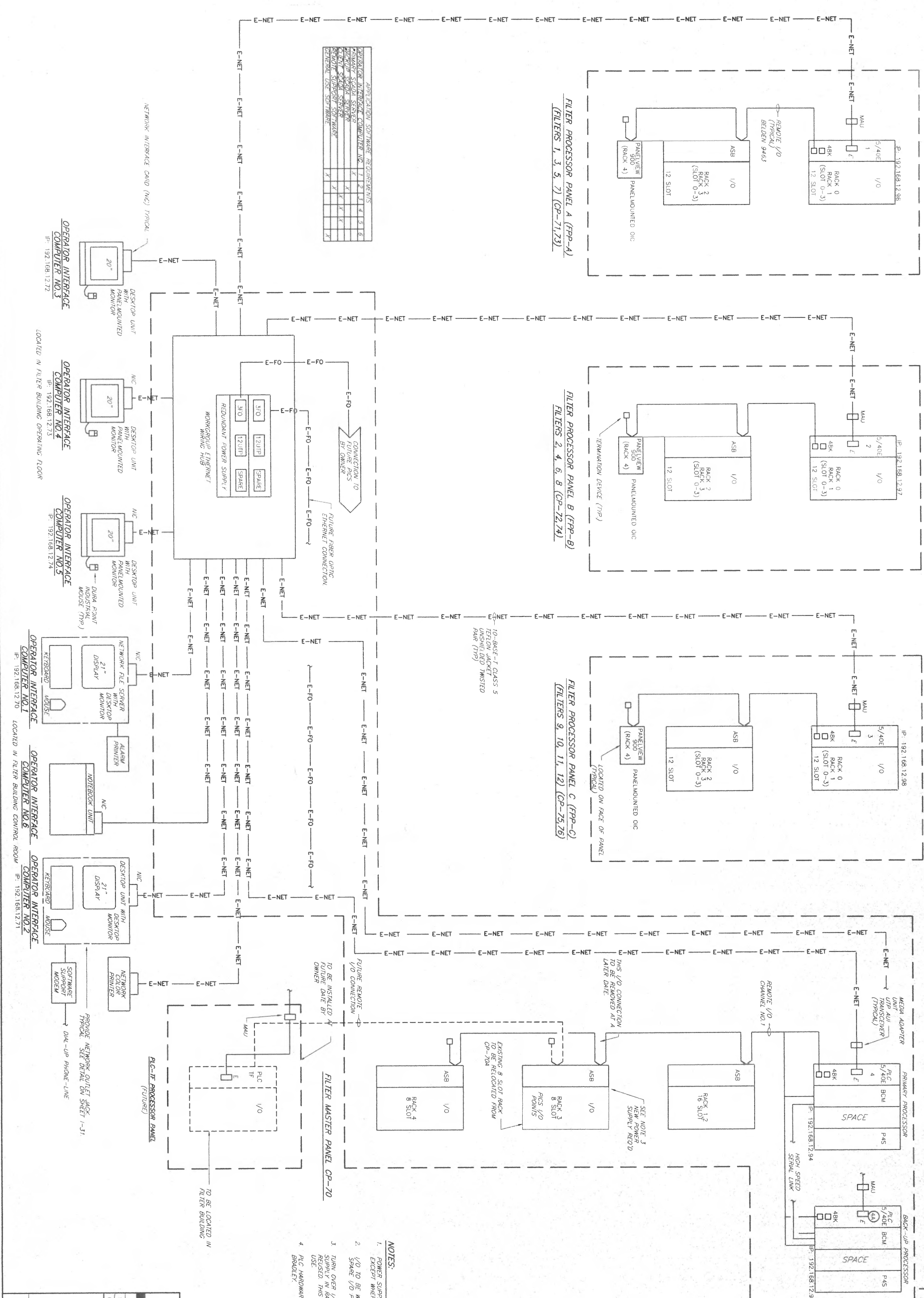
Ann Arbor, Michigan
 Eastern Michigan University
 Department of Electrical Engineering
 Ypsilanti, Michigan 48197

DESIGNED BY: JONES
 CHECKED BY: TRITTER
 SCALE: NO SCALE
 PART: 010501091050101-005
 INSTRUMENTATION

CONTRACT: 0106-059-S-1
 SHEET: 1-1
 OF: 12

NO.	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	MJR	06/97
2	CONFORMING TO CONSTRUCTION REQUIREMENTS	TLE	11/99

DESIGNED FOR AUCS	DATE	06/97
CONFORMING TO CONSTRUCTION RECORDS	TITLE	11/99



ANN ARBOR, MICHIGAN

General Engineering & Construction
 1000 E. Washington
 Ann Arbor, Michigan 48106-1500
 TEL: 313-963-8800 FAX: 313-963-8801
 WWW: WWW.AAEC.COM

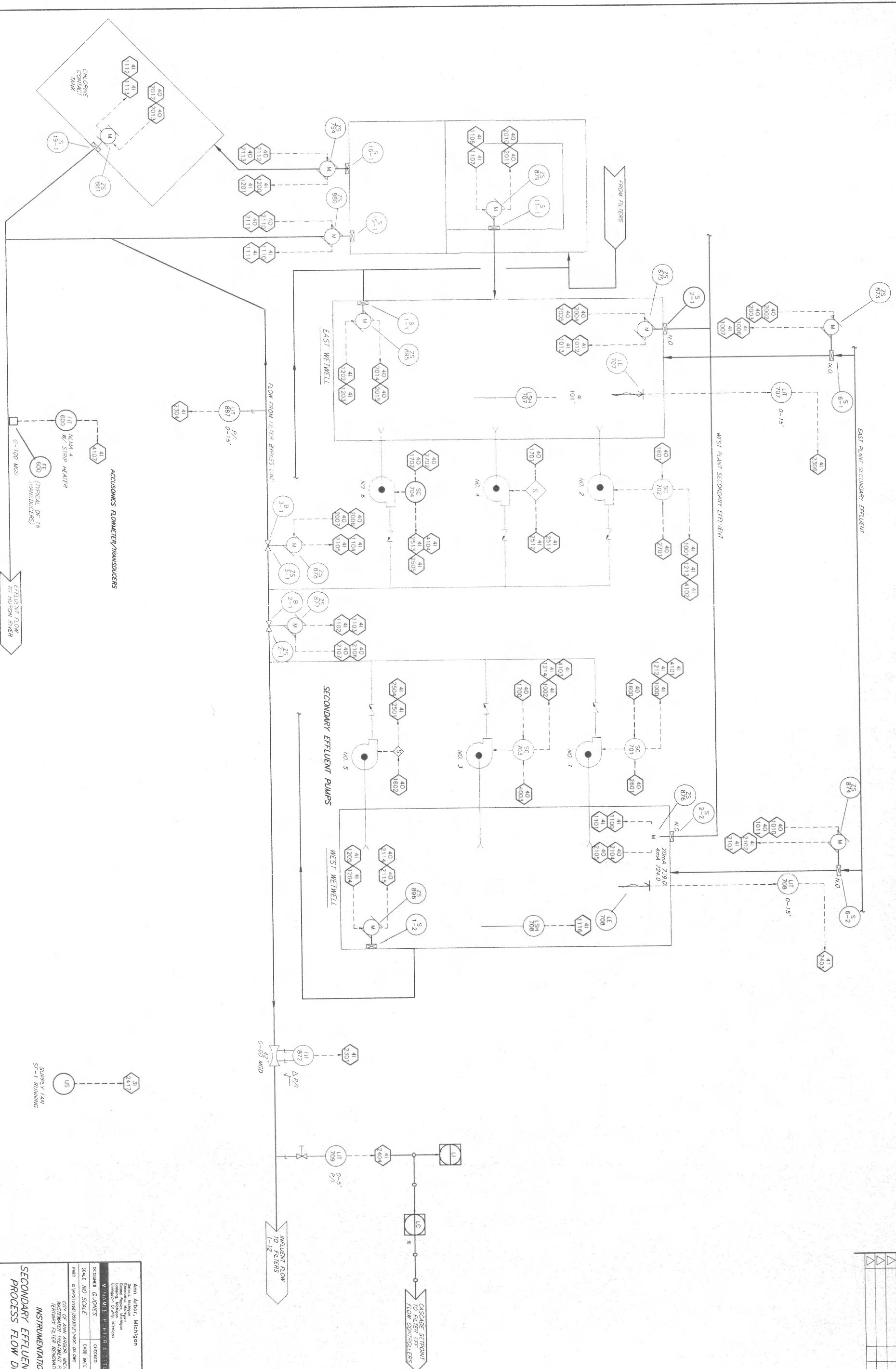
McNAMARE

McNamare Poirier & Seel
 1000 E. Washington
 Ann Arbor, Michigan 48106-1500
 TEL: 313-963-8800 FAX: 313-963-8801
 WWW: WWW.MCS.COM

CONTROL SYSTEM CONFIGURATION PLAN

PROJECT NO. 0106.059-S-1
 SHEET 1-2 OF 32

ISSUED FOR BIDS	06/97
CONSTRUCTION RECORDS	11/99



**SECONDARY EFFLUENT PUMPS
PROCESS FLOW DIAGRAM**

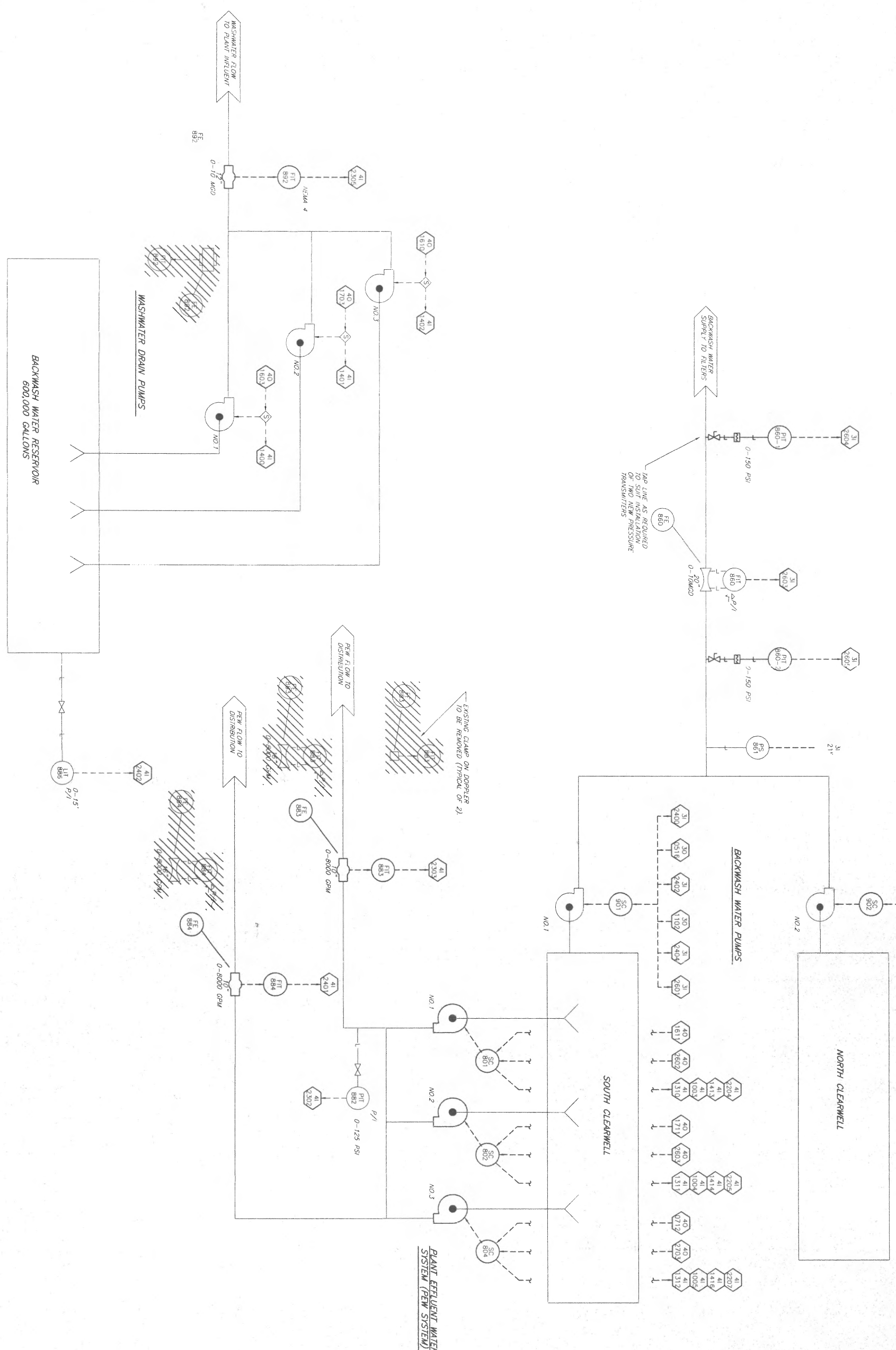
INSTRUMENTATION

CITY OF ANN ARBOR, MICHIGAN
WESTERN TREATMENT PLANT
TERTIARY FILTER RENOVATIONS

ANN ARBOR, MICHIGAN
General, Michigan
Electrical, Michigan
Mechanical, Michigan
W. STAMPE, F. H. B. & S. E. LEE, INC.
RESIGNED CONSULTANTS
SCALE AND SCALE
DATE: 01-14-99 E.E. & P.
CHECKED: J. B. RITZLER

DRAWN: 0106.059-S-1
SHEET: 1-3
OF: 32

REV	DESCRIPTION	BY	DATE	CON'S
1	ISSUED FOR E05	MBF	06/97	
2	CONFORMING TO CONSTRUCTION RECORDS	TLE	11/99	
3				
4				



Ann Arbor, Michigan
 Sewerage and Water Board
 200 East Main Street
 Ann Arbor, Michigan 48106
 Telephone: 313.963.1000
 Fax: 313.963.1001
 Website: www.aaswb.org

METRO
 WATER SUPPLY
 CONSULTING ENGINEERS
 1000 East Main Street
 Ann Arbor, Michigan 48106
 Telephone: 313.963.1000
 Fax: 313.963.1001
 Website: www.metro-engineers.com

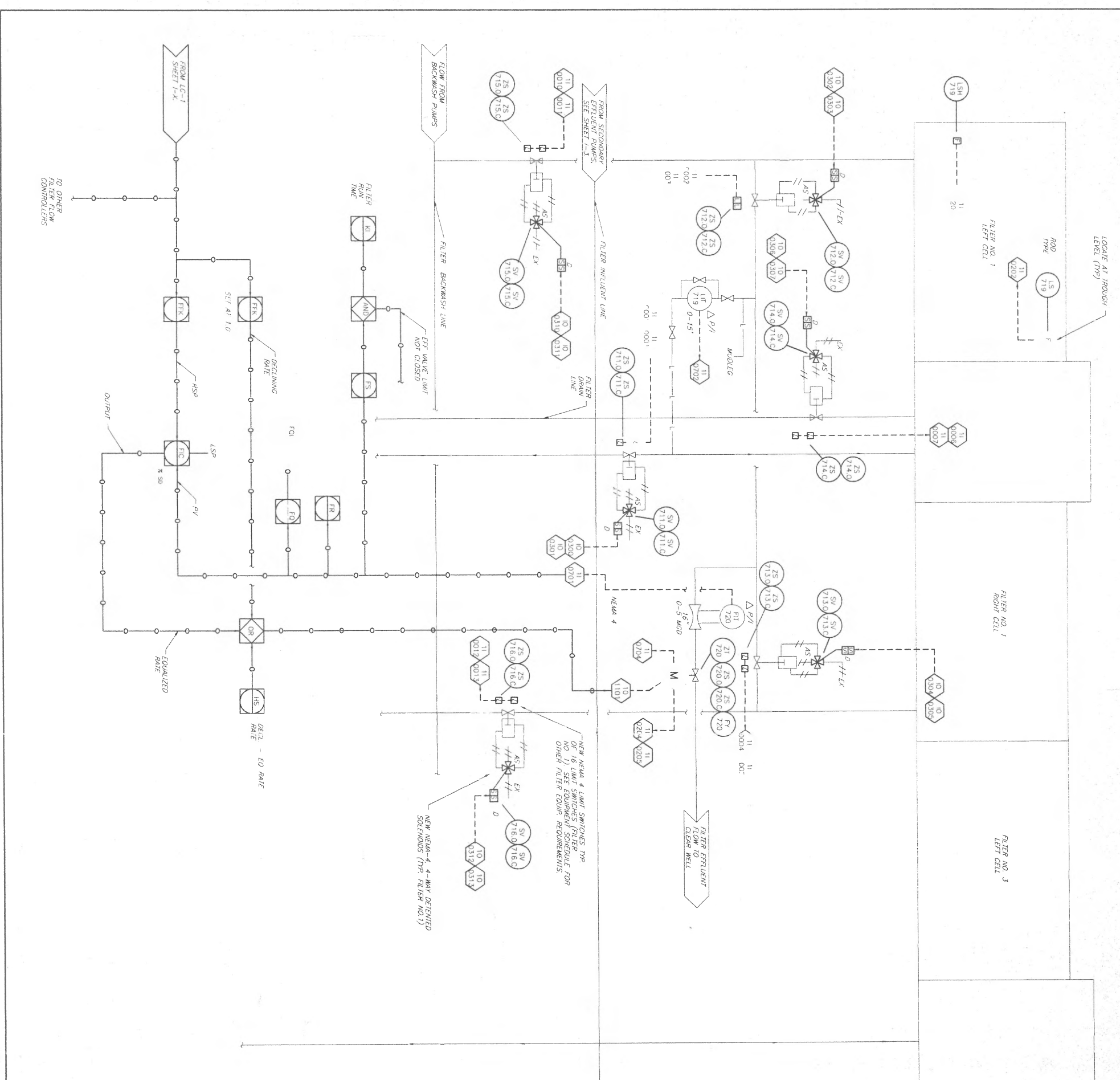
W. R. NEE, POULIP & STELLI, INC.
 1000 East Main Street
 Ann Arbor, Michigan 48106
 Telephone: 313.963.1000
 Fax: 313.963.1001
 Website: www.wrnee.com

SCALE: NO SCALE
 DATE: 06-17-97 JOB #
 SHEET 1-4 OF 32

BACKWASH PUMPS, DRAIN PUMPS, PEW PUMPS PROCESS FLOW DIAGRAM

DIVISION: INSTRUMENTATION
 SHEET: 1-4 OF 32
 DRAWING: 0106.059-S-1

REV	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	AGF	06/97
2	CONFORMING TO RECORDS	TLC	11/99
3	CONSTRUCTION RECORDS		



FILTER BACKWASHING SEQUENCE

Sequence the valves and process equipment in the following order:

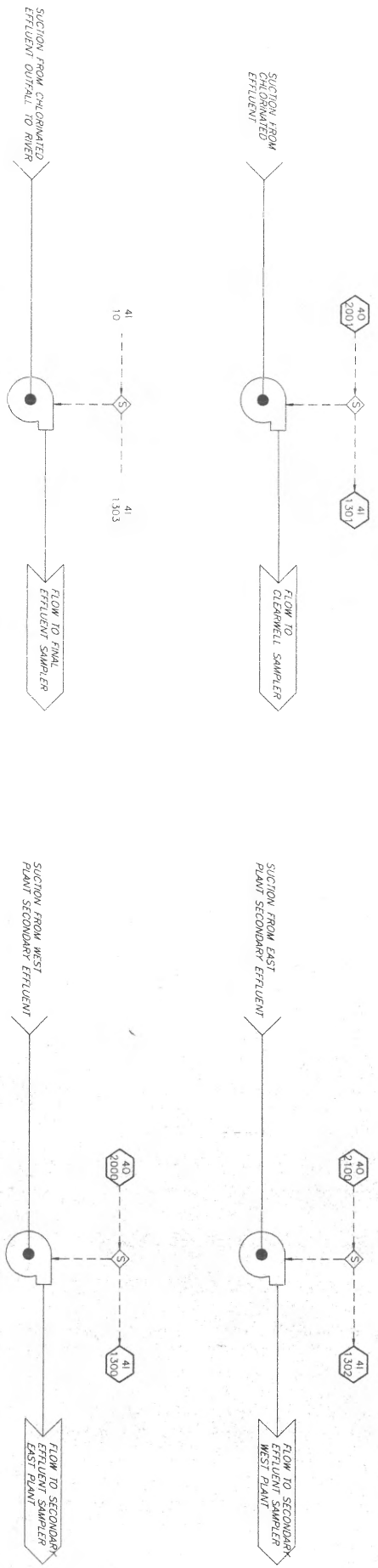
- | Step # | Description |
|--------|--|
| 1 | TERTIARY INFLUENT VALVE |
| 2 | ALLOW WATER LEVEL TO DROP |
| 3 | CLOSE TERTIARY EFFLUENT VALVES (RIGHT AND LEFT CELL) |
| 4 | OPEN DRAIN VALVE ALLOWING CHANNEL TO DRAIN |
| 5 | START BACKWASH VARIABLE FREQUENCY DRIVE |
| 6 | OPEN BACKWASH INFLUENT VALVE (LEFT CELL) |
| 7 | THROTTLING VALVE (CONFIRM AIR SUPPLY AVAILABLE) |
| 8 | MODULATE OPEN AIR WASH VALVE (LEFT CELL) |
| 9 | COMBINED AIRWASH AND BACKWASH SEQUENCE (LEFT CELL) |
| 10 | SHUTDOWN BACKWASH PUMP VFD/CLOSE BACKWASH THROTTLING VALVE |
| 11 | CLOSE BACKWASH INFLUENT VALVE (LEFT CELL) |
| 12 | OPEN BACKWASH INFLUENT VALVE (RIGHT CELL) |
| 13 | OPEN AIR WASH VALVE (RIGHT CELL) |
| 14 | MODULATE OPEN AIR WASH VALVE (RIGHT CELL) |
| 15 | COMBINED AIRWASH AND BACKWASH SEQUENCE (RIGHT CELL) |
| 16 | CLOSE AIR WASH VALVE (RIGHT CELL) |
| 17 | CLOSE BACKWASH INFLUENT VALVE (RIGHT CELL) |
| 18 | STOP BLOWER (RELEASE AIR SUPPLY) |
| 19 | CLOSE BACKWASH INFLUENT VALVE (RIGHT CELL) |
| 20 | STOP BACKWASH PUMP |
| 21 | CLOSE DRAIN VALVE |
| 22 | OPEN INFLUENT VALVE (RIGHT AND LEFT CELLS) |
| 23 | CYCLE COMPLETE |
| 24 | FILTER RETURN TO SERVICE. |
| 25 | |

Amn Arbor, Michigan
 Environmental Services
 Instrumentation
 M. W. HANLEY, P. E. (11/17/99) MS E
 G. J. LOWES (11/17/99) MS E
 SCALE AND SCALE
 PART 01 INSTRUMENTATION FLOW DIAGRAM

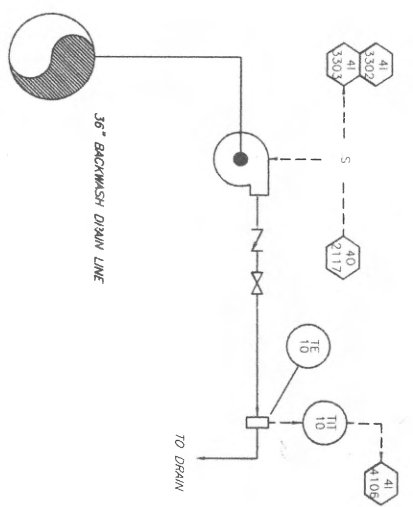
INSTRUMENTATION
 TERTIARY FILTER PROCESS
 FLOW DIAGRAM

CONTRACT: 0106.059-S-1
 SHEET: 1-5 OF 32

NO.	DATE	BY	REVISION
1	06/97	MBP	DESIGNED FOR BOSS
2	11/99	TLE	CONFORMING TO SANS 2011 AND SANS 2013
3			
4			



PROCESS SAMPLE PUMPS



BACKWASH TURBIDITY MONITORING

Ann Arbor, Michigan
 Environmental Engineering
 Water Treatment Division
 1000 North Zeeb Road
 East Lansing, Michigan 48824

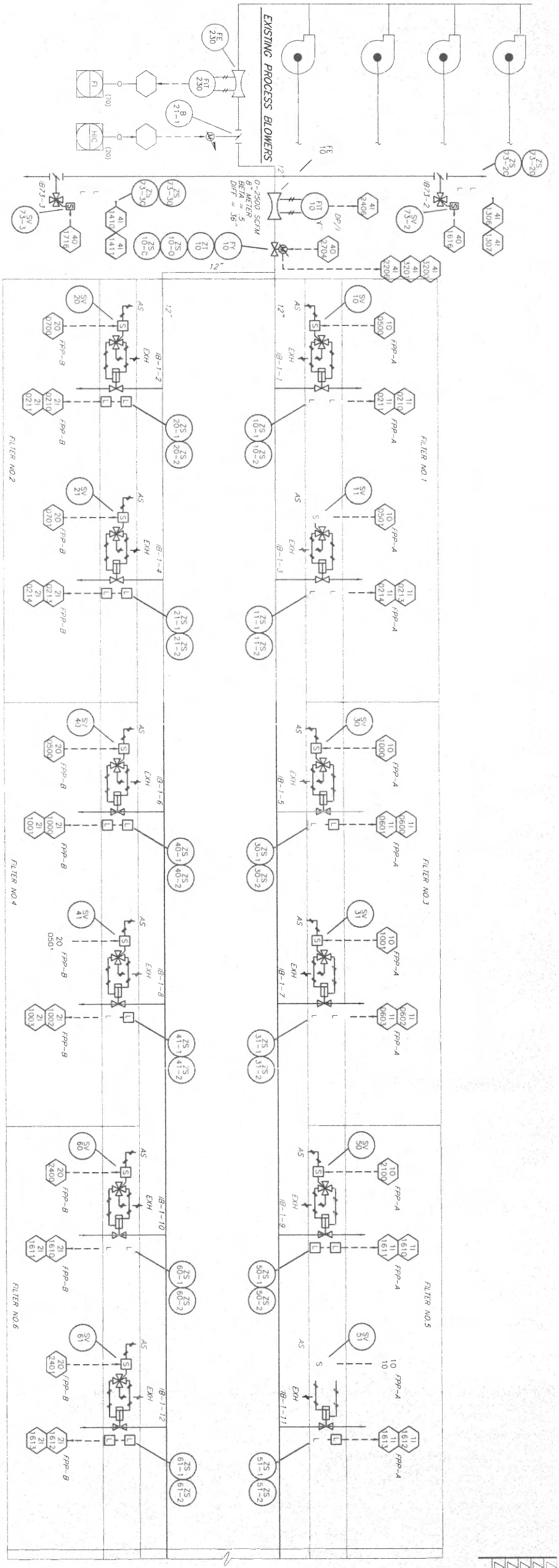
DESIGNER: G. JONES **CHECKED: T. RITTER**
SCALE: AS SHOWN **CAD DATE: 11/19/99 SHEET 5**

Part: 0106/059-5/32/2004

INSTRUMENTATION
PROCESS FLOW DIAGRAM
SAMPLE PUMPS

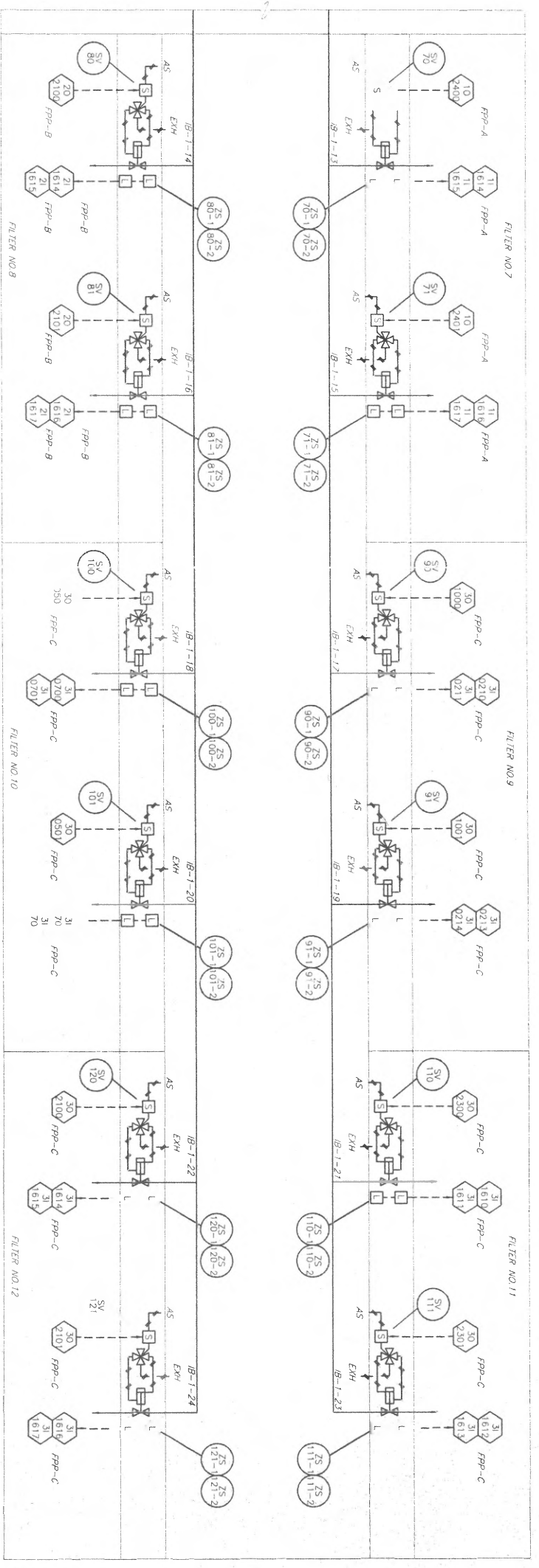
DWGNO	CONTRACT	SHEET
0106/059-5-1	1-6	of 32

DESIGNED FOR BIDS	4/8/97
CONSTRUCTION TO RECORDS	11/1/99
CONSTRUCTION RECORDS	



CONTINUED LOWER LEFT

CONTINUED FROM UPPER RIGHT



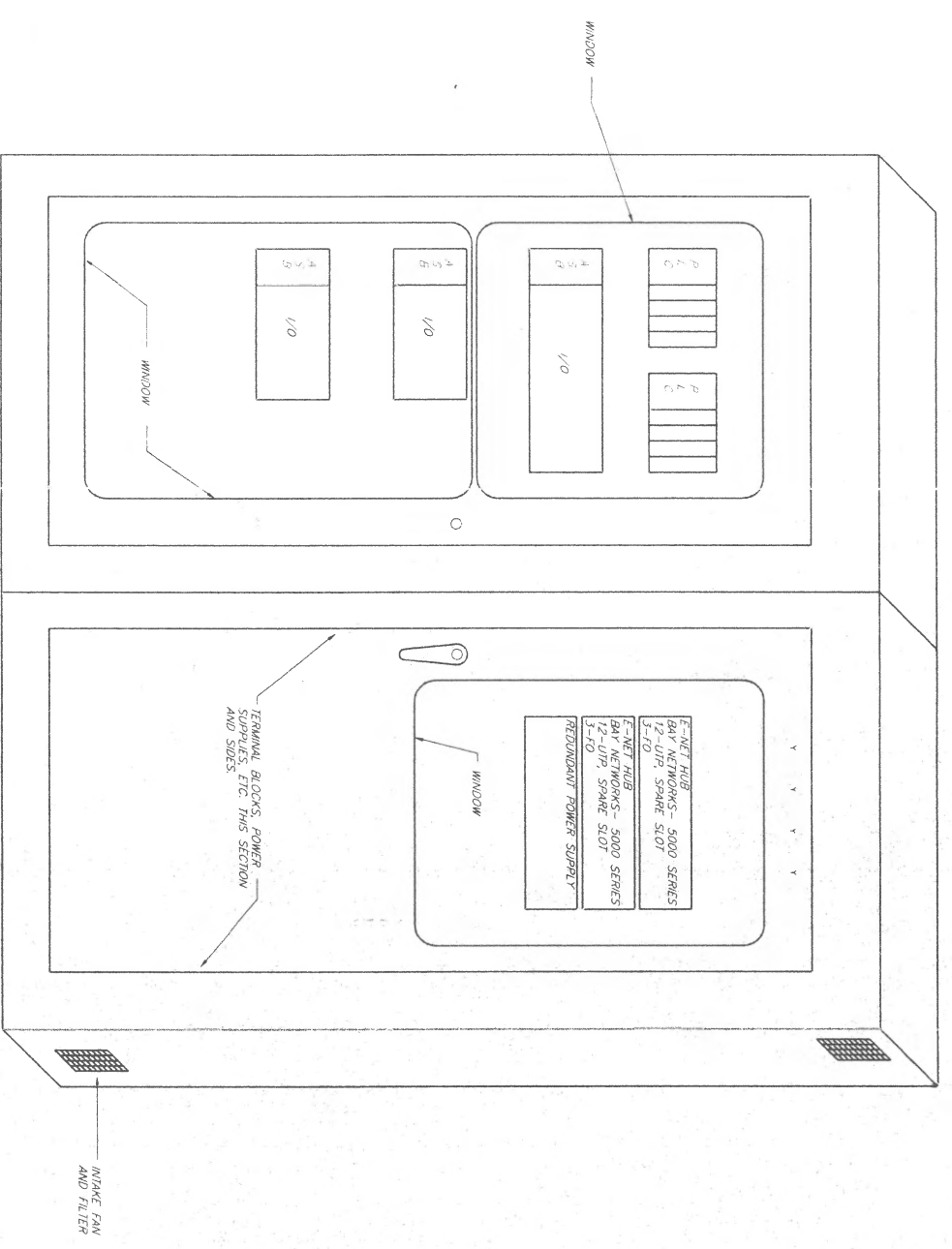
Ann Arbor, Michigan
General Services
David R. Smith, Manager
McNAMEE FORTER & SEELE, INC.
Lansing, Michigan
DESIGNED BY SEELE, INC.
CHECKED BY FORTER
SCALE AND SCALE DATE 01-16-99

CITY OF ANN ARBOR, MICHIGAN
GENERAL SERVICES
DESIGNED BY SEELE, INC.
CHECKED BY FORTER
SCALE AND SCALE DATE 01-16-99

INSTRUMENTATION
PROCESS FLOW DIAGRAM
AIR SUPPLY
SYSTEM

DIVISION CONTRACT 0106.059-S-1
SHEET 1-7 OF 32

REV	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	AGB	06/92
2	APPROVAL NO. 1		07/92
3	CONFORMING TO CONSTRUCTION RECORDS	TLE	11/98



FRONT SECTION
84" W. X 90" H. X 20" D.

CP-70 LAYOUT
NO SCALE
REFER 12

TERMINAL BLOCKS TO BE 12" MIN ABOVE FINISHED FLOOR
PANEL TO BE SHIPPED IN TWO SECTIONS

Ann Arbor, Michigan
 Director, Michigan
 State Police
 Grand Rapids, Michigan
 Livingston County, Michigan

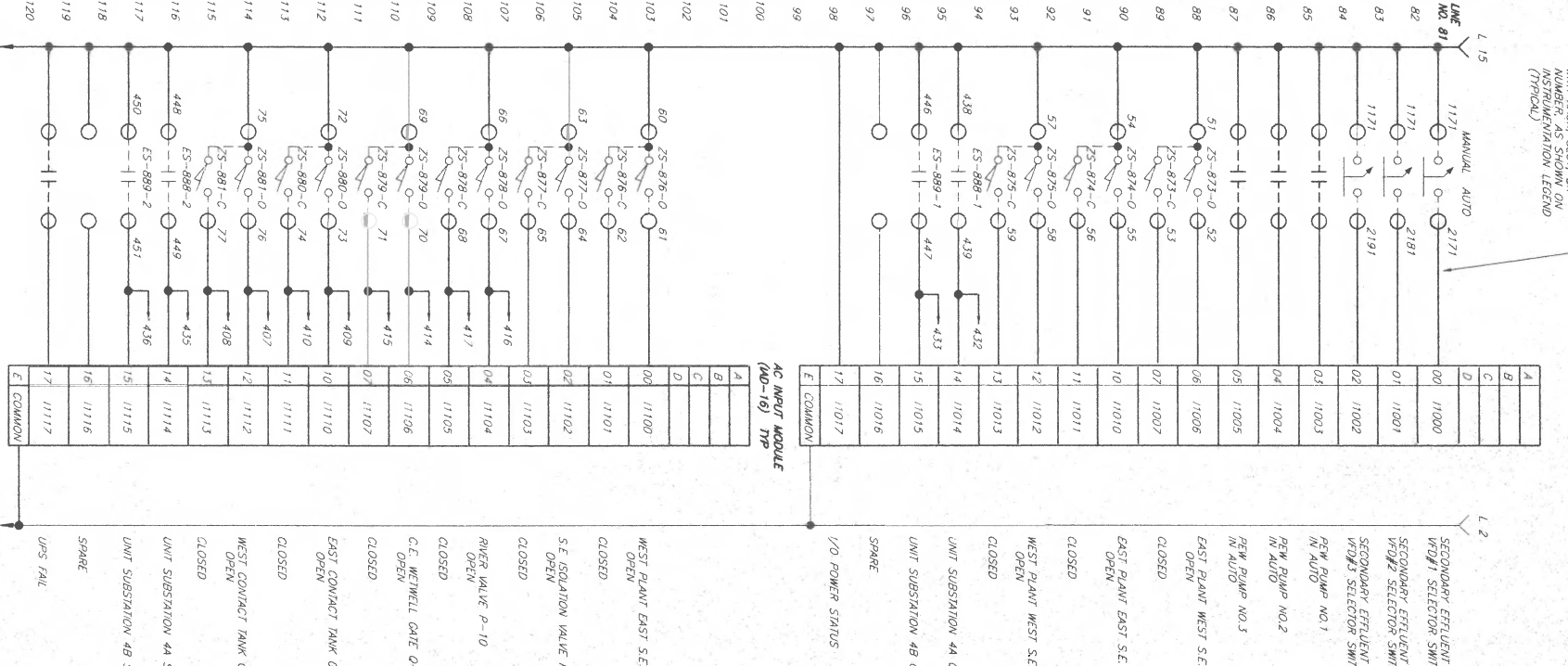
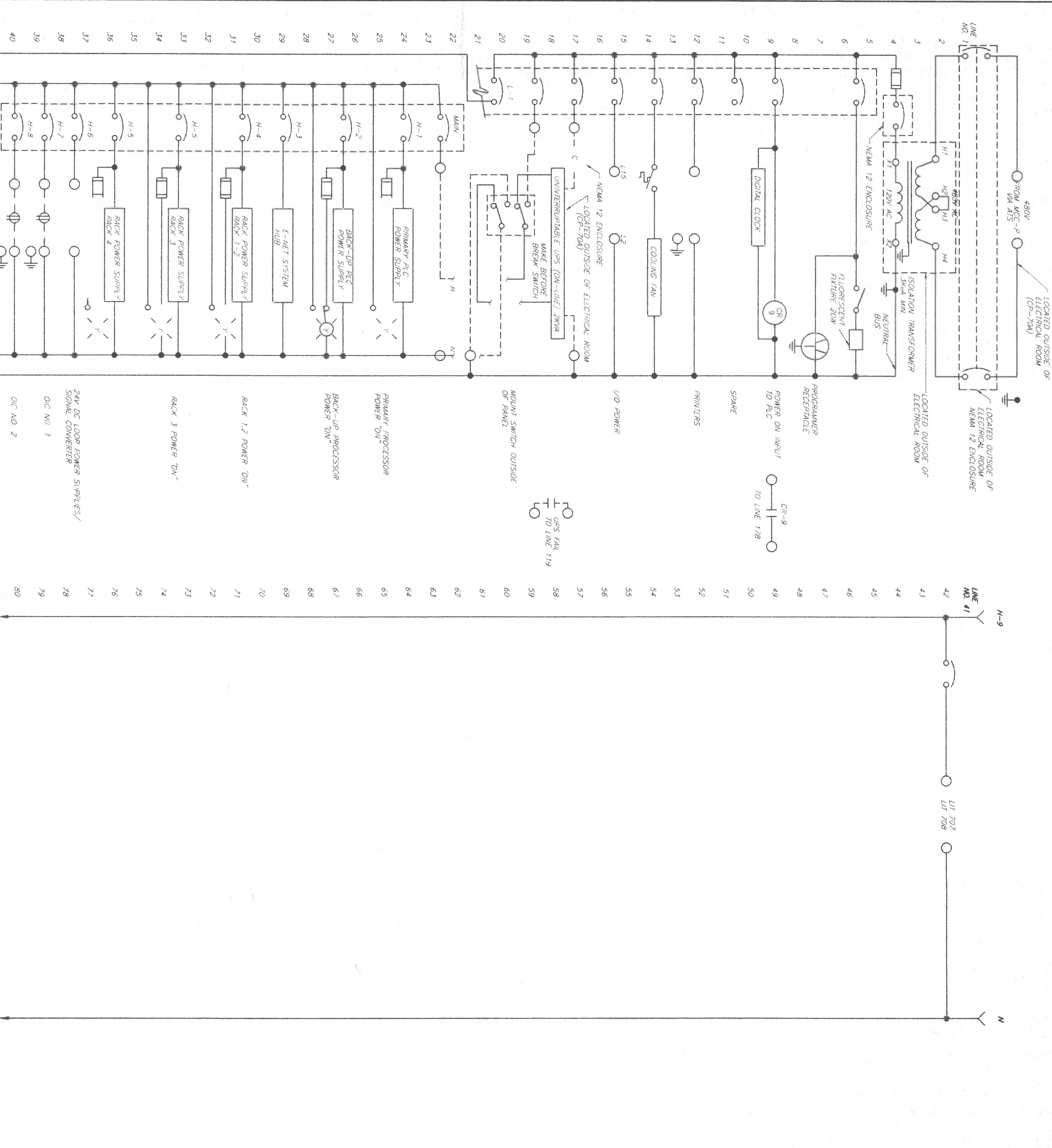
MENKEMLE PORTER & SEELY, INC.
 DESIGNER
 CHECKED: J. RITTER
 SCALE AS NOTED
 DRAW DATE: 01-18-92

ANN ARBOR, MICHIGAN
 CITY OF ANN ARBOR, MICHIGAN
 TERMINAL FILTER RENOVATIONS

INSTRUMENTATION
CP-70
LAYOUT

DIVISION CONTRACT SHEET
 0106.059-S-1 1-8
 OF 12

NO. 1	REVISION	DATE	BY
1	ISSUED FOR BIDS	06/97	MBP
2	ADDITIONAL NO. 1	07/97	
3	CONFORMING TO	11/99	
4	CONSTRUCTION RECORDS		



Terminal	Wiring	Device	Status
A	1171	MANUAL AUTO	
B	2181		
C	2191		
D	51, 52, 53, 54, 55, 56, 57, 58, 59, 446, 447, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520		
E	COMMON		

I/O WIRES TO BE TAGGED WITH RACK SLOT BIT NUMBER, AS SHOWN ON INSTRUMENTATION LEGEND (TYPICAL)

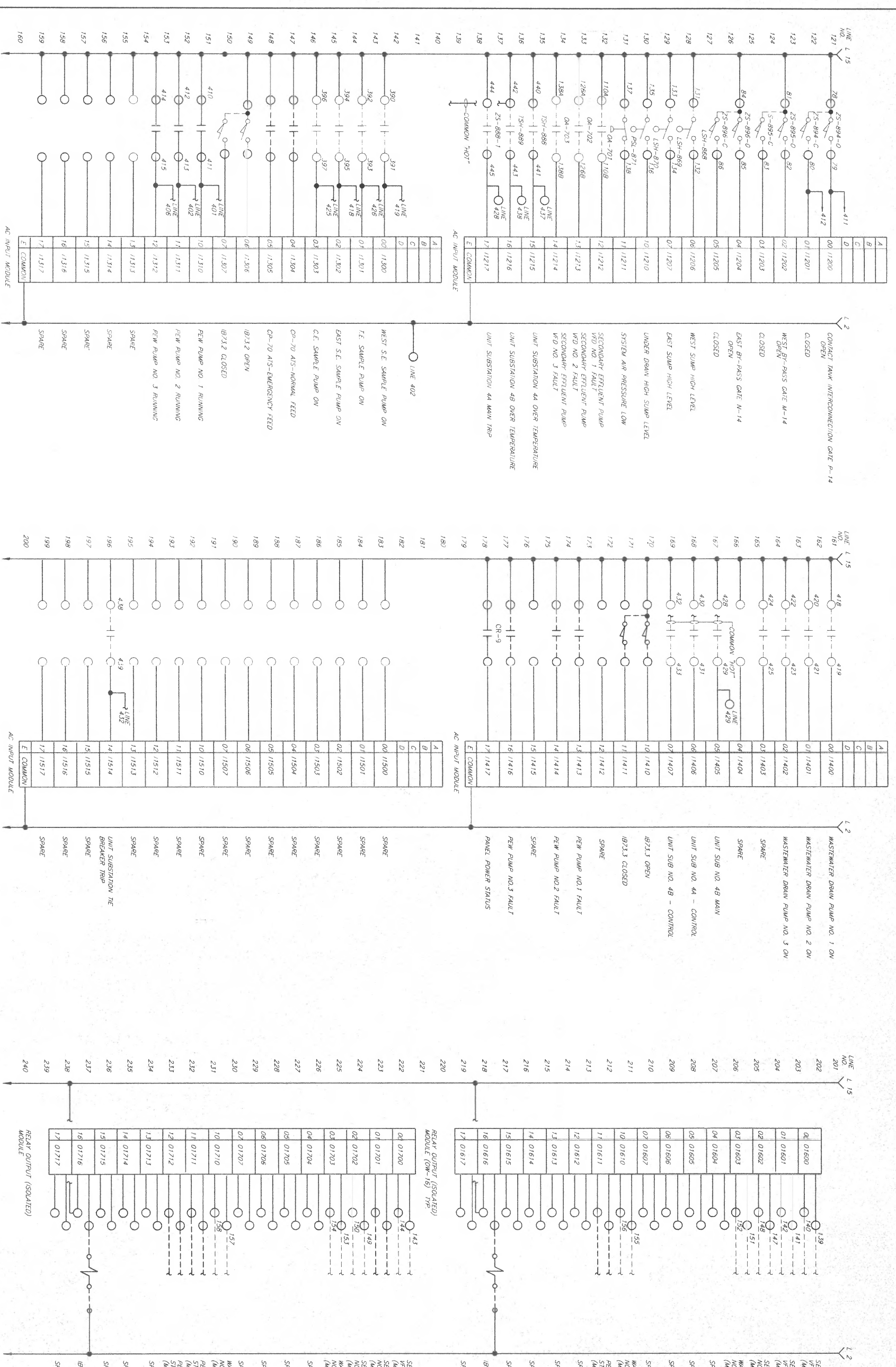
NOTES:
 1. PROVIDE TERMINAL BLOCKS WITHIN CP-70 FOR TERMINATING 20 PAIR OF TELEPHONE CABLES

INSTRUMENTATION
CP-70
WIRING
RACK 1

SHEET NO. 1-9 OF 32
 CONTRACT NO. 0106.039-S-1

Ann Arbor, Michigan
 BOSTON G. JONES
 SCALE: NONE
 DATE: 07-18-97

REV	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	MBR	06/97
2	CONFORMING TO CONSTRUCTION RECORDS	TLE	11/99



LINE NO.	TERMINAL	DESCRIPTION
121	A	CONTACT BANK INTERCONNECTION GATE P-14
122	B	CLOSED
123	C	WEST BY-PASS GATE M-14
124	D	CLOSED
125	E	EAST BY-PASS GATE M-14
126	A	CLOSED
127	B	WEST SUMP HIGH LEVEL
128	C	EAST SUMP HIGH LEVEL
129	D	CLOSED
130	E	UNDER DRAIN HIGH SUMP LEVEL
131	A	SYSTEM AIR PRESSURE LOW
132	B	SECONDARY EFFLUENT PUMP
133	C	WFO NO. 1 FAULT
134	D	SECONDARY EFFLUENT PUMP
135	E	WFO NO. 2 FAULT
136	A	SECONDARY EFFLUENT PUMP
137	B	WFO NO. 3 FAULT
138	C	UNIT SUBSTATION 4A OVER TEMPERATURE
139	D	UNIT SUBSTATION 4A MAIN TRIP
140	E	COMMON "HOT"
141	A	LINE 402
142	B	WEST S.E. SAMPLE PUMP ON
143	C	T.E. SAMPLE PUMP ON
144	D	EAST S.E. SAMPLE PUMP ON
145	E	C.E. SAMPLE PUMP ON
146	A	CP-70 AIR-NORMAL FEED
147	B	CP-70 AIR-EMERGENCY FEED
148	C	IB73.2 OPEN
149	D	IB73.2 CLOSED
150	E	FEW PUMP NO. 1 RUNNING
151	A	FEW PUMP NO. 2 RUNNING
152	B	FEW PUMP NO. 3 RUNNING
153	C	SPARE
154	D	SPARE
155	E	SPARE
156	A	SPARE
157	B	SPARE
158	C	SPARE
159	D	SPARE
160	E	COMMON
161	A	WASTEWATER DRAIN PUMP NO. 1 ON
162	B	WASTEWATER DRAIN PUMP NO. 2 ON
163	C	WASTEWATER DRAIN PUMP NO. 3 ON
164	D	SPARE
165	E	SPARE
166	A	UNIT SUB NO. 4A - CONTROL
167	B	UNIT SUB NO. 4B - CONTROL
168	C	UNIT SUB NO. 4A - CONTROL
169	D	UNIT SUB NO. 4B - CONTROL
170	E	IB73.3 OPEN
171	A	IB73.3 CLOSED
172	B	SPARE
173	C	PEW PUMP NO.1 FAULT
174	D	PEW PUMP NO.2 FAULT
175	E	SPARE
176	A	PEW PUMP NO.3 FAULT
177	B	PANEL POWER STATUS
178	C	IB73.2 OPEN/CLOSE
179	D	SPARE
180	E	SPARE
181	A	SPARE
182	B	SPARE
183	C	SPARE
184	D	SPARE
185	E	SPARE
186	A	SPARE
187	B	SPARE
188	C	SPARE
189	D	SPARE
190	E	SPARE
191	A	SPARE
192	B	SPARE
193	C	SPARE
194	D	SPARE
195	E	UNIT SUBSTATION NE BREAKER TRIP
196	A	SPARE
197	B	SPARE
198	C	SPARE
199	D	SPARE
200	E	COMMON
201	A	SECONDARY EFFLUENT PUMP
202	B	WFO NO.1 START/STOP
203	C	SECONDARY EFFLUENT PUMP
204	D	WFO NO.2 START/STOP
205	E	SECONDARY EFFLUENT PUMP
206	A	WFO NO.3 START/STOP
207	B	SECONDARY EFFLUENT PUMP
208	C	WFO NO.4 START/STOP
209	D	SECONDARY EFFLUENT PUMP
210	E	WFO NO.5 START/STOP
211	A	SECONDARY EFFLUENT PUMP
212	B	WFO NO.6 START/STOP
213	C	SECONDARY EFFLUENT PUMP
214	D	WFO NO.7 START/STOP
215	E	SECONDARY EFFLUENT PUMP
216	A	WFO NO.8 START/STOP
217	B	SECONDARY EFFLUENT PUMP
218	C	WFO NO.9 START/STOP
219	D	SECONDARY EFFLUENT PUMP
220	E	WFO NO.10 START/STOP
221	A	SECONDARY EFFLUENT PUMP
222	B	WFO NO.11 START/STOP
223	C	SECONDARY EFFLUENT PUMP
224	D	WFO NO.12 START/STOP
225	E	SECONDARY EFFLUENT PUMP
226	A	WFO NO.13 START/STOP
227	B	SECONDARY EFFLUENT PUMP
228	C	WFO NO.14 START/STOP
229	D	SECONDARY EFFLUENT PUMP
230	E	WFO NO.15 START/STOP
231	A	SECONDARY EFFLUENT PUMP
232	B	WFO NO.16 START/STOP
233	C	SECONDARY EFFLUENT PUMP
234	D	WFO NO.17 START/STOP
235	E	SECONDARY EFFLUENT PUMP
236	A	WFO NO.18 START/STOP
237	B	SECONDARY EFFLUENT PUMP
238	C	WFO NO.19 START/STOP
239	D	SECONDARY EFFLUENT PUMP
240	E	WFO NO.20 START/STOP

Ann Arbor, Michigan
 Donald McQuinn
 Good Roads, Michigan
 Livingston County, Michigan

CONTRACT
 0106.059-S-1

SHEET
 1-10

DATE
 01-18-00

SCALE
 NONE

DESIGNER
 C. JONES

CHECKER
 T. RITTER

DATE
 01-18-00

PROJECT
 01WST01060590101 (E) (R) (K) (M) (S)

INSTRUMENTATION
 CP-70
 WIRING
 RACK 1

REVISIONS
 1. INSTRUMENTATION
 2. TYPICAL FILTER REMOVALS

ISSUED FOR BIDS	DATE	BY
CONSTRUCTION RECORDS	11/99	TLE

LINE NO.281	RELAY OUTPUT (SQUARED) MODULE	DESCRIPTION	LINE NO.281
242	00 02000	WEST S.E. SAMPLE PUMP START/STOP (MCC-N11)	282
243	01 02001	T.E. SAMPLE PUMP START/STOP (MCC-N11)	283
244	02 02002	RIEVE MCC-N10 OPEN	284
245	03 02003	CLOSE	285
246	04 02004	CAIE MCC-N10 OPEN	286
247	05 02005	CLOSE	287
248	06 02006	RIEVE VALVE MCC-P10 OPEN	288
249	07 02007	CLOSE	289
250	10 02010	CAIE MCC-O9 OPEN	290
251	10 02010	CLOSE	291
252	11 02011	CAIE MCC-O11 OPEN	292
253	12 02012	CLOSE	293
254	13 02013	CLOSE	294
255	14 02014	CAIE MCC-M14 OPEN	295
256	15 02015	CLOSE	296
257	16 02016	SPARE	297
258	17 02017	SPARE	298
259	17 02017	SPARE	299
260		RELAY OUTPUT (SQUARED) MODULE	300
261	00 02100	EAST S.E. SAMPLE PUMP START/STOP (MCC-M11)	301
262	01 02101	C.E. SAMPLE PUMP START/STOP (MCC-O14)	302
263	02 02102	CAIE MCC-M7 OPEN	303
264	03 02103	CLOSE	304
265	04 02104	CAIE MCC-N7 OPEN	305
266	05 02105	CLOSE	306
267	06 02106	ISOLATION VALVE MCC-P9 OPEN	307
268	07 02107	CLOSE	308
269	10 02110	CAIE MCC-O10 OPEN	309
270	11 02111	CLOSE	310
271	12 02112	CAIE MCC-P14 OPEN	311
272	13 02113	CLOSE	312
273	14 02114	CAIE MCC-N14 OPEN	313
274	15 02115	CLOSE	314
275	16 02116	SPARE	315
276	17 02117	SPARE	316
277		TO RIBBIDRY SAMPLE PUMP START/STOP	317
278			318
279			319
280			320

LINE NO.281	ANALOG INPUT MODULE (FE) TYP	DESCRIPTION	LINE NO.281
322	1 02201	FLOW TO RIVER	322
323	2 02202	RIEVE LEVEL	323
324	3 02203	SPARE	324
325	4 02204	PER PUMP NO.1 SPEED INDICATION	325
326	5 02205	PER PUMP NO.2 SPEED INDICATION	326
327	6 02206	PER PUMP NO.3 SPEED INDICATION	327
328	7 02207	RY-10 POSITION	328
329	8 02208	RY-10 POSITION	329
330	9 02209	RY-10 POSITION	330
331	10 02210	RY-10 POSITION	331
332	11 02211	RY-10 POSITION	332
333	12 02212	RY-10 POSITION	333
334	13 02213	RY-10 POSITION	334
335	14 02214	RY-10 POSITION	335
336	15 02215	RY-10 POSITION	336
337	16 02216	RY-10 POSITION	337
338	17 02217	RY-10 POSITION	338
339	18 02218	RY-10 POSITION	339
340	19 02219	RY-10 POSITION	340
341	20 02220	RY-10 POSITION	341
342	21 02221	RY-10 POSITION	342
343	22 02222	RY-10 POSITION	343
344	23 02223	RY-10 POSITION	344
345	24 02224	RY-10 POSITION	345
346	25 02225	RY-10 POSITION	346
347	26 02226	RY-10 POSITION	347
348	27 02227	RY-10 POSITION	348
349	28 02228	RY-10 POSITION	349
350	29 02229	RY-10 POSITION	350
351	30 02230	RY-10 POSITION	351
352	31 02231	RY-10 POSITION	352
353	32 02232	RY-10 POSITION	353
354	33 02233	RY-10 POSITION	354
355	34 02234	RY-10 POSITION	355
356	35 02235	RY-10 POSITION	356
357	36 02236	RY-10 POSITION	357
358	37 02237	RY-10 POSITION	358
359	38 02238	RY-10 POSITION	359
360	39 02239	RY-10 POSITION	360

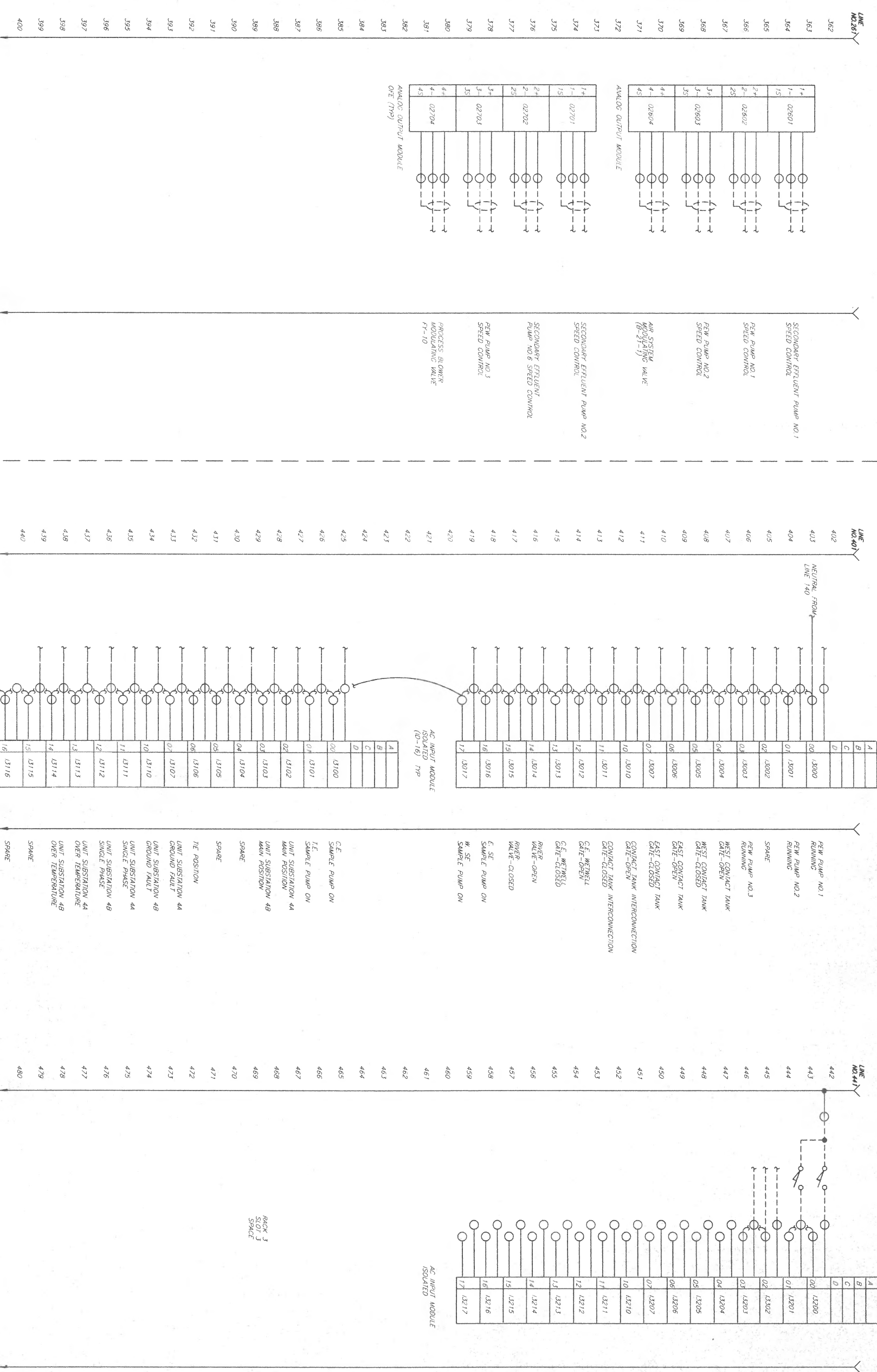
LINE NO.281	ANALOG INPUT MODULE	DESCRIPTION	LINE NO.281
342	1 02301	FI-872 PROVIDE 24V DC LOOP POWER	342
343	2 02302	FI-882 PROVIDE 24V DC LOOP POWER	343
344	3 02303	FI-883 PROVIDE 24V DC LOOP POWER	344
345	4 02304	FI-887 PROVIDE 24V DC LOOP POWER	345
346	5 02305	FI-892 PROVIDE 24V DC LOOP POWER	346
347	6 02306	FI-893 PROVIDE 24V DC LOOP POWER	347
348	7 02307	FI-897 PROVIDE 24V DC LOOP POWER	348
349	8 02308	FI-892 PROVIDE 24V DC LOOP POWER	349
350	9 02309	FI-892 PROVIDE 24V DC LOOP POWER	350
351	10 02310	FI-892 PROVIDE 24V DC LOOP POWER	351
352	11 02311	FI-892 PROVIDE 24V DC LOOP POWER	352
353	12 02312	FI-892 PROVIDE 24V DC LOOP POWER	353
354	13 02313	FI-892 PROVIDE 24V DC LOOP POWER	354
355	14 02314	FI-892 PROVIDE 24V DC LOOP POWER	355
356	15 02315	FI-892 PROVIDE 24V DC LOOP POWER	356
357	16 02316	FI-892 PROVIDE 24V DC LOOP POWER	357
358	17 02317	FI-892 PROVIDE 24V DC LOOP POWER	358
359	18 02318	FI-892 PROVIDE 24V DC LOOP POWER	359
360	19 02319	FI-892 PROVIDE 24V DC LOOP POWER	360

Ann Arbor, Michigan
 Environmental Engineering
 Construction Records
 SCALE NONE
 DATE DATE 11/18/99 SK 1

INSTRUMENTATION
 CP-70
 RACK 1, RACK 2

0106.059-S-1
 1-11

REV	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	ABP	08/97
2	CONFORMING TO RECORDS	TLE	11/98
3	SPRINGFIELD RECORDS		



Ann Arbor, Michigan
 General Manager
 Grand Rapids, Michigan
 Livingston County, Michigan

WENWEEB
 1200 WEST WYOMING

CLIENT: CITY OF ANN ARBOR, MICHIGAN
 PROJECT: TERTIARY FILTER RENOVATIONS
 INSTRUMENTATION

DESIGNER: KEITH G. JONES
 CHECKER: T. RITTER
 SCALE: NONE
 DATE: 01-18-00 TEL: 7

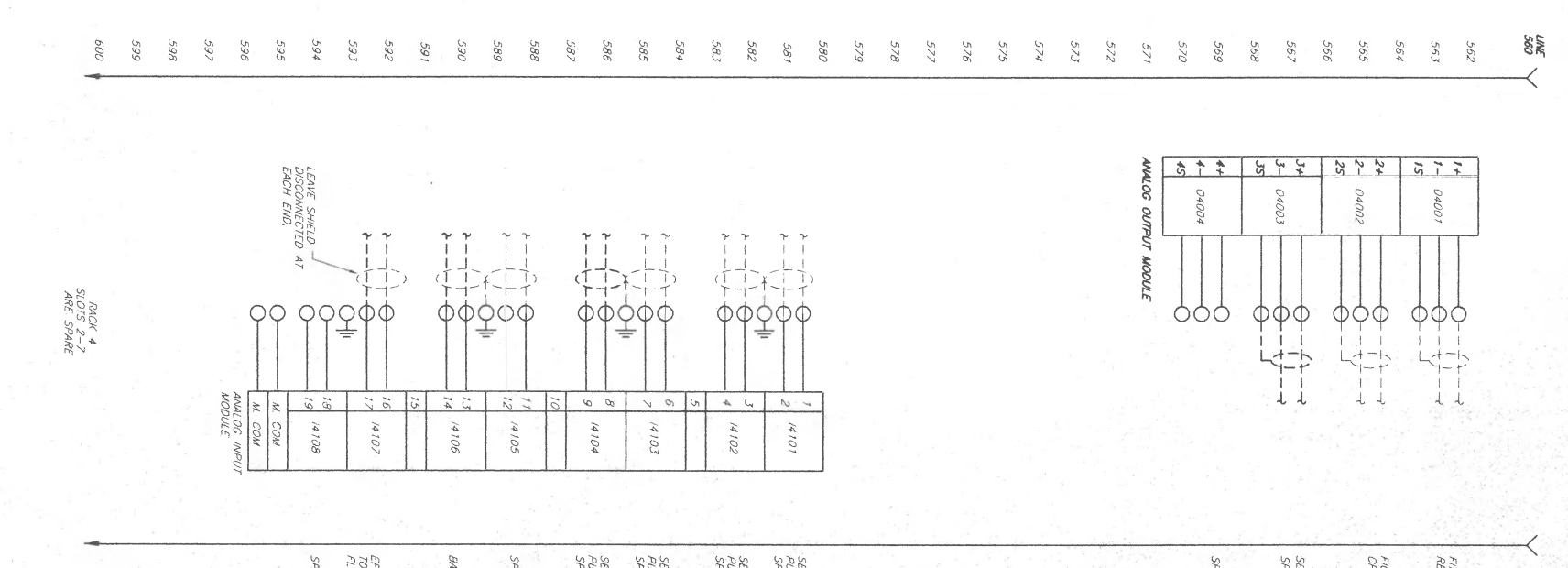
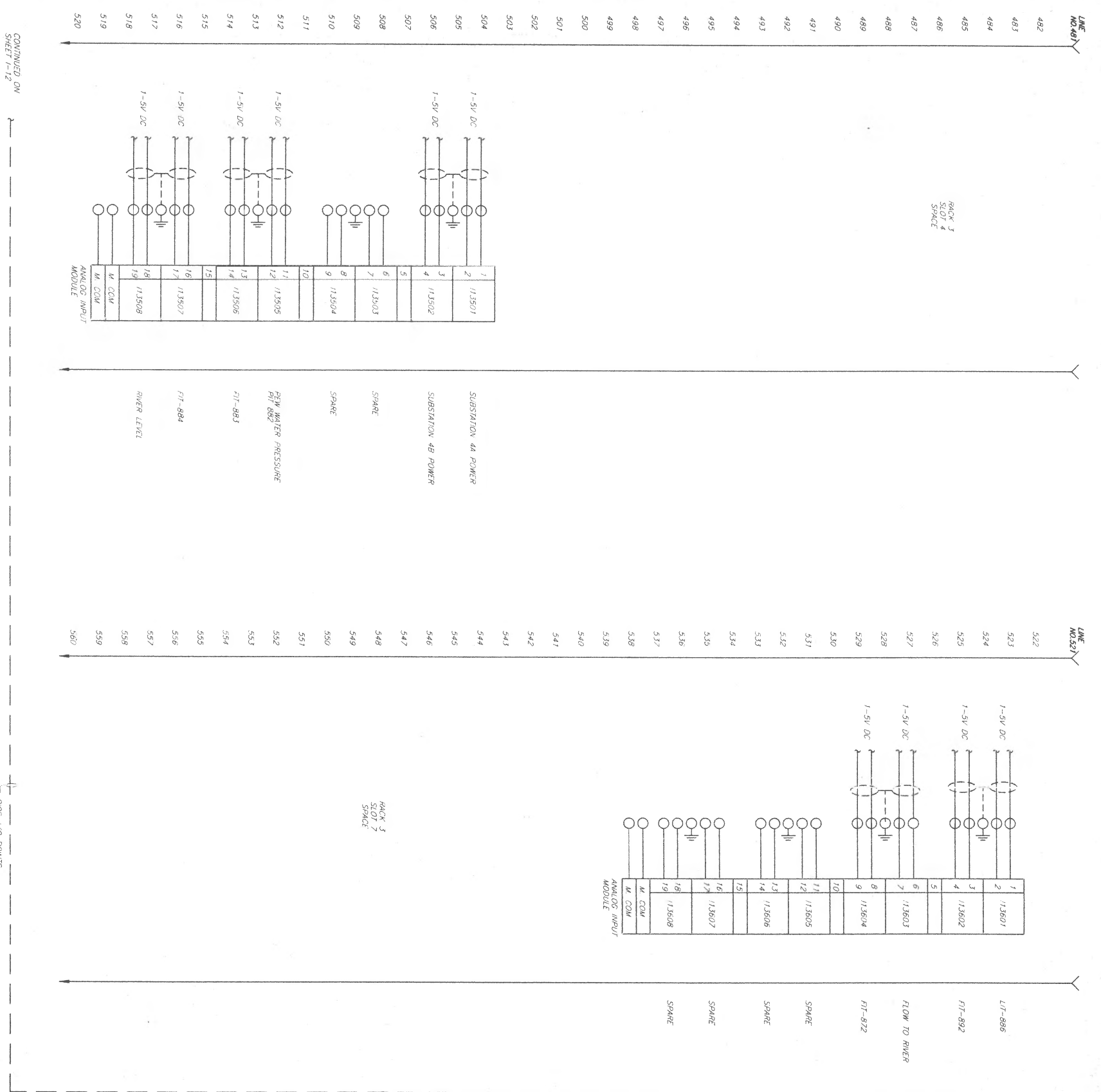
Part: 01WST01080101 (1200 West Wyoming)

CP-70
 1/0
 RACK 2, RACK 3

CONTRACT: 0106.059-S-1
 SHEET: 1-12
 OF: 37

CONTINUED ON SHEET 1-13
 PICS I/O POINTS
 CONTINUED ON SHEET 1-13

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	487	08/97	
2	CONFORMING TO CONSTRUCTION RECORDS	TLE	11/99	



NO	DESCRIPTION	UNIT	SCALE
1	FIT 872	REARVIEW	
2	FIT 872	REARVIEW	
3	FIT 872	REARVIEW	
4	FIT 872	REARVIEW	
5	FIT 872	REARVIEW	
6	FIT 872	REARVIEW	
7	FIT 872	REARVIEW	
8	FIT 872	REARVIEW	
9	FIT 872	REARVIEW	
10	FIT 872	REARVIEW	
11	FIT 872	REARVIEW	
12	FIT 872	REARVIEW	
13	FIT 872	REARVIEW	
14	FIT 872	REARVIEW	
15	FIT 872	REARVIEW	
16	FIT 872	REARVIEW	
17	FIT 872	REARVIEW	
18	FIT 872	REARVIEW	
19	FIT 872	REARVIEW	
20	FIT 872	REARVIEW	
21	FIT 872	REARVIEW	
22	FIT 872	REARVIEW	
23	FIT 872	REARVIEW	
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37	FIT 872	REARVIEW	
38	FIT 872	REARVIEW	
39	FIT 872	REARVIEW	
40	FIT 872	REARVIEW	
41	FIT 872	REARVIEW	
42	FIT 872	REARVIEW	
43	FIT 872	REARVIEW	
44	FIT 872	REARVIEW	
45	FIT 872	REARVIEW	

Ann Arbor, Michigan
 City of Ann Arbor, Michigan
 Department of Public Works
 Water & Sewer Division
 W. N. W. PORTER & SONS, INC.
 RETIRED: G. JONES
 SCALE: NO SCALE
 DATE: 01-14-99 TLE 6

INSTRUMENTATION
 CP-70
 RACK 3, RACK 4

DIVISION: CONTRACT: 0106.059-S-1
 SHEET: 1-13 OF 32

FILTERS 1-12 EQUIPMENT SCHEDULE SOLENOIDS IN THIS TABLE ARE MAINFOLD STYLE

FILTER NO.	INFLUENT VALVE LIMIT SWITCHES SOLENOIDS	EFFLUENT VALVE LEFT CELL LIMIT SWITCHES SOLENOIDS	EFFLUENT VALVE RIGHT CELL LIMIT SWITCHES SOLENOIDS	DRAWN VALVE LIMIT SOLENOIDS	BACKWASH VALVES LEFT CELL LIMIT SWITCHES SOLENOIDS	BACKWASH VALVES RIGHT CELL SWITCHES SOLENOIDS	HIGH LEVEL FLOAT SWITCH (ROD TYPE)	TROUGH FLOAT SWITCH (ROD TYPE)	MOTORIZED EFFLUENT MODULATING VALVE
NO. 1	ZS-211-Q, 211-C SV-211-Q, 211-C	ZS-212-Q, 212-C SV-212-Q, 212-C	ZS-213-Q, 213-C SV-213-Q, 213-C	ZS-214-Q, 214-C SV-214-Q, 214-C	ZS-215-Q, 215-C SV-215-Q, 215-C	ZS-216-Q, 216-C SV-216-Q, 216-C	LSH-719	LS-719	FY-720
NO. 2	ZS-226-Q, 226-C SV-226-Q, 226-C	ZS-227-Q, 227-C SV-227-Q, 227-C	ZS-228-Q, 228-C SV-228-Q, 228-C	ZS-229-Q, 229-C SV-229-Q, 229-C	ZS-230-Q, 230-C SV-230-Q, 230-C	ZS-231-Q, 231-C SV-231-Q, 231-C	LSH-744	LS-744	FY-745
NO. 3	ZS-221-Q, 221-C SV-221-Q, 221-C	ZS-222-Q, 222-C SV-222-Q, 222-C	ZS-223-Q, 223-C SV-223-Q, 223-C	ZS-224-Q, 224-C SV-224-Q, 224-C	ZS-225-Q, 225-C SV-225-Q, 225-C	ZS-226-Q, 226-C SV-226-Q, 226-C	LSH-729	LS-729	FY-730
NO. 4	ZS-246-Q, 246-C SV-246-Q, 246-C	ZS-247-Q, 247-C SV-247-Q, 247-C	ZS-248-Q, 248-C SV-248-Q, 248-C	ZS-249-Q, 249-C SV-249-Q, 249-C	ZS-250-Q, 250-C SV-250-Q, 250-C	ZS-251-Q, 251-C SV-251-Q, 251-C	LSH-734	LS-734	FY-735
NO. 5	ZS-261-Q, 261-C SV-261-Q, 261-C	ZS-262-Q, 262-C SV-262-Q, 262-C	ZS-263-Q, 263-C SV-263-Q, 263-C	ZS-264-Q, 264-C SV-264-Q, 264-C	ZS-265-Q, 265-C SV-265-Q, 265-C	ZS-266-Q, 266-C SV-266-Q, 266-C	LSH-789	LS-789	FY-790
NO. 6	ZS-286-Q, 286-C SV-286-Q, 286-C	ZS-287-Q, 287-C SV-287-Q, 287-C	ZS-288-Q, 288-C SV-288-Q, 288-C	ZS-289-Q, 289-C SV-289-Q, 289-C	ZS-290-Q, 290-C SV-290-Q, 290-C	ZS-291-Q, 291-C SV-291-Q, 291-C	LSH-794	LS-794	FY-795
NO. 7	ZS-221-Q, 221-C SV-221-Q, 221-C	ZS-222-Q, 222-C SV-222-Q, 222-C	ZS-223-Q, 223-C SV-223-Q, 223-C	ZS-224-Q, 224-C SV-224-Q, 224-C	ZS-225-Q, 225-C SV-225-Q, 225-C	ZS-226-Q, 226-C SV-226-Q, 226-C	LSH-779	LS-779	FY-780
NO. 8	ZS-296-Q, 296-C SV-296-Q, 296-C	ZS-297-Q, 297-C SV-297-Q, 297-C	ZS-298-Q, 298-C SV-298-Q, 298-C	ZS-299-Q, 299-C SV-299-Q, 299-C	ZS-300-Q, 300-C SV-300-Q, 300-C	ZS-301-Q, 301-C SV-301-Q, 301-C	LSH-804	LS-804	FY-805
NO. 9	ZS-811-Q, 811-C SV-811-Q, 811-C	ZS-812-Q, 812-C SV-812-Q, 812-C	ZS-813-Q, 813-C SV-813-Q, 813-C	ZS-814-Q, 814-C SV-814-Q, 814-C	ZS-815-Q, 815-C SV-815-Q, 815-C	ZS-816-Q, 816-C SV-816-Q, 816-C	LSH-819	LS-819	FY-820
NO. 10	ZS-836-Q, 836-C SV-836-Q, 836-C	ZS-837-Q, 837-C SV-837-Q, 837-C	ZS-838-Q, 838-C SV-838-Q, 838-C	ZS-839-Q, 839-C SV-839-Q, 839-C	ZS-840-Q, 840-C SV-840-Q, 840-C	ZS-841-Q, 841-C SV-841-Q, 841-C	LSH-844	LS-844	FY-845
NO. 11	ZS-821-Q, 821-C SV-821-Q, 821-C	ZS-822-Q, 822-C SV-822-Q, 822-C	ZS-823-Q, 823-C SV-823-Q, 823-C	ZS-824-Q, 824-C SV-824-Q, 824-C	ZS-825-Q, 825-C SV-825-Q, 825-C	ZS-826-Q, 826-C SV-826-Q, 826-C	LSH-829	LS-829	FY-830
NO. 12	ZS-846-Q, 846-C SV-846-Q, 846-C	ZS-847-Q, 847-C SV-847-Q, 847-C	ZS-848-Q, 848-C SV-848-Q, 848-C	ZS-849-Q, 849-C SV-849-Q, 849-C	ZS-850-Q, 850-C SV-850-Q, 850-C	ZS-851-Q, 851-C SV-851-Q, 851-C	LSH-854	LS-854	FY-855

FILTERS 1-12 EQUIPMENT SCHEDULE SOLENOIDS IN THIS TABLE ARE NOT MAINFOLD STYLE

FILTER NO.	SOLENOID VALVES	LIMIT SWITCHES
NO. 1	SV-10, SV-11	ZS-10-1, ZS-10-2 ZS-11-1, ZS-11-2
NO. 2	SV-20, SV-21	ZS-20-1, ZS-20-2 ZS-21-1, ZS-21-2
NO. 3	SV-30, SV-31	ZS-30-1, ZS-30-2 ZS-31-1, ZS-31-2
NO. 4	SV-40, SV-41	ZS-40-1, ZS-40-2 ZS-41-1, ZS-41-2
NO. 5	SV-50, SV-51	ZS-50-1, ZS-50-2 ZS-51-1, ZS-51-2
NO. 6	SV-60, SV-61	ZS-60-1, ZS-60-2 ZS-61-1, ZS-61-2
NO. 7	SV-70, SV-71	ZS-70-1, ZS-70-2 ZS-71-1, ZS-71-2
NO. 8	SV-80, SV-81	ZS-80-1, ZS-80-2 ZS-81-1, ZS-81-2
NO. 9	SV-90, SV-91	ZS-90-1, ZS-90-2 ZS-91-1, ZS-91-2
NO. 10	SV-100, SV-101	ZS-100-1, ZS-100-2 ZS-101-1, ZS-101-2
NO. 11	SV-110, SV-111	ZS-110-1, ZS-110-2 ZS-111-1, ZS-111-2
NO. 12	SV-120, SV-121	ZS-120-1, ZS-120-2 ZS-121-1, ZS-121-2

- NOTES
1. PROVIDE EQUIPMENT AS OUTLINED IN THE ABOVE SCHEDULES. NEW LIMIT SWITCHES TO BE NEMA 4 RATED.
 2. NEW NEMA 4 DERATED SOLENOIDS TO BE FURNISHED WITH MANUAL OVERRIDE OPERATOR. PROVIDE ASSOCIATED MOUNTING/INSTALLATION HARDWARE.
 3. THE EQUIPMENT SCHEDULE GIVEN ENTITLED "SOLENOIDS IN THIS TABLE ARE NOT MAINFOLD STYLE" ARE SPECIFIED TO BE PROVIDED UNDER SECTION 15110 WITH THE VALVE OPERATOR.

Ann Arbor, Michigan
 Eastern Michigan University
 Water Resources Center, Ypsilanti, Michigan

PROJECT: PURLEY & STEELE, INC.
 KENTWOOD, MICHIGAN

DATE: 01/15/08
 DRAWING NO.: 15110-SCHEM

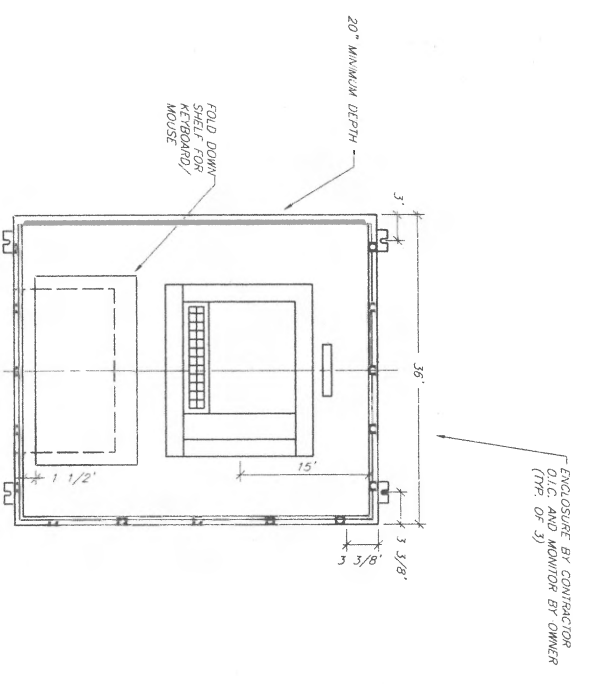
SCALE: AS SHOWN
 CHECKED: TRITTER
 DATE: 1/16/08 SWS 7

CLIENT: EASTERN MICHIGAN UNIVERSITY
 WATER RESOURCES CENTER
 4875 ZEEB ROAD
 YPSILANTI, MI 48197

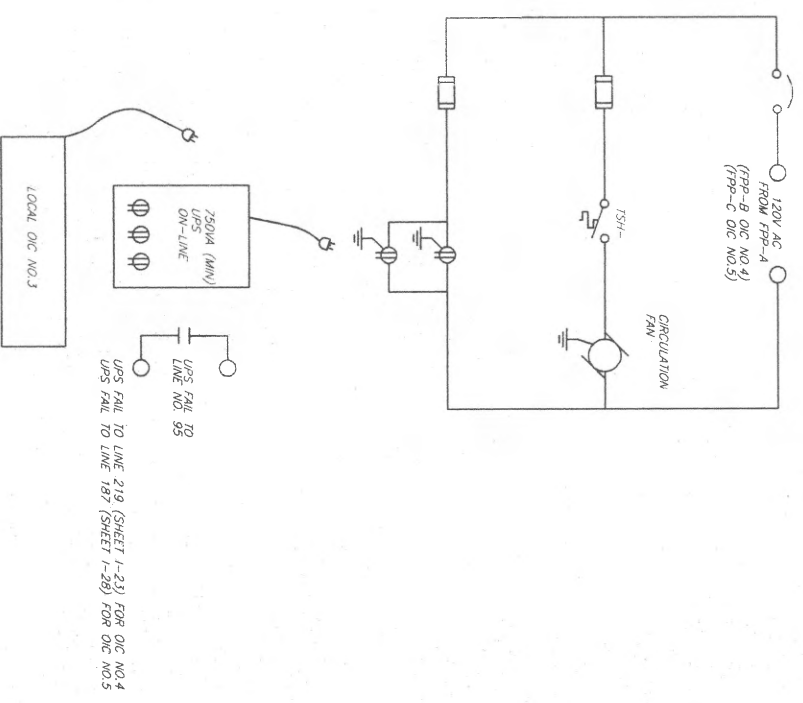
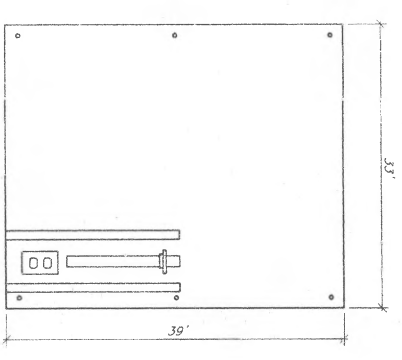
INSTRUMENTATION
 FILTER EQUIPMENT
 SCHEDULES

DIVISION: CONTRACT: 0106.039-S-1
 SHEET: 1-14
 OF: 32

DESIGNED FOR	DATE
CONFORMING TO	FILE
CONSTRUCTION RECORDS	11/79



OIC NO. 3
 PANEL LAYOUT
 THICK OF 3
 36" W X 42" H X 24" D (MIN)
 HEAVY 4 - STAINLESS STEEL



LOCAL OIC NO. 3
 PANEL WIRING DIAGRAM
 THICK OF 3

Ann Arbor, Michigan
 General, Michigan
 Grand Rapids, Michigan
 Livonia, Michigan
 Macomb County, Michigan

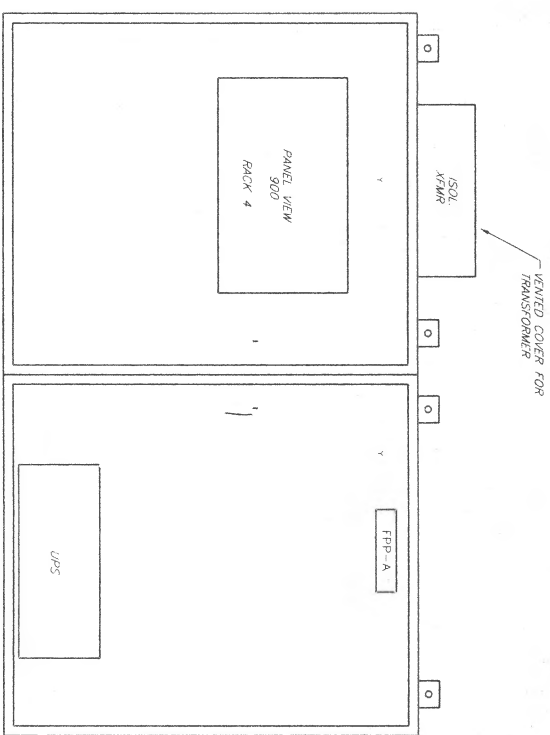
WALKER
 CONSULTING ENGINEERS

PROJECT: CITY OF ANN ARBOR, MICHIGAN
 MASTER PLAN REPAIRMENT PLAN
 INSTRUMENTATION

DESIGNED BY: KEITH G. JONES
 CHECKED BY: FRITZ
 SCALE: NONE
 DATE: 01-18-80 REF. 3

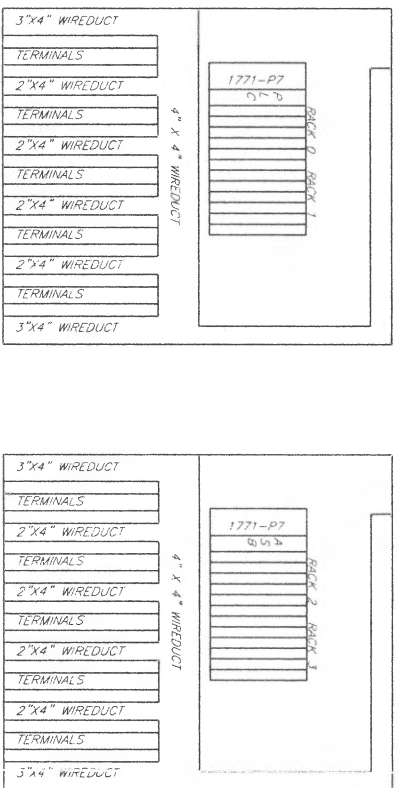
LOCAL PANEL MOUNTED
 OIC LAYOUT
 CIRCUITS (OIC'S-1,2,3)

CONTRACT: 0106.059-S-1
 SHEET: 1-15
 OF 32



SECTION NO. 1
48 7/8" X 42 3/4" X 16 D (MIN)
NEMA 4 (STAINLESS STEEL)

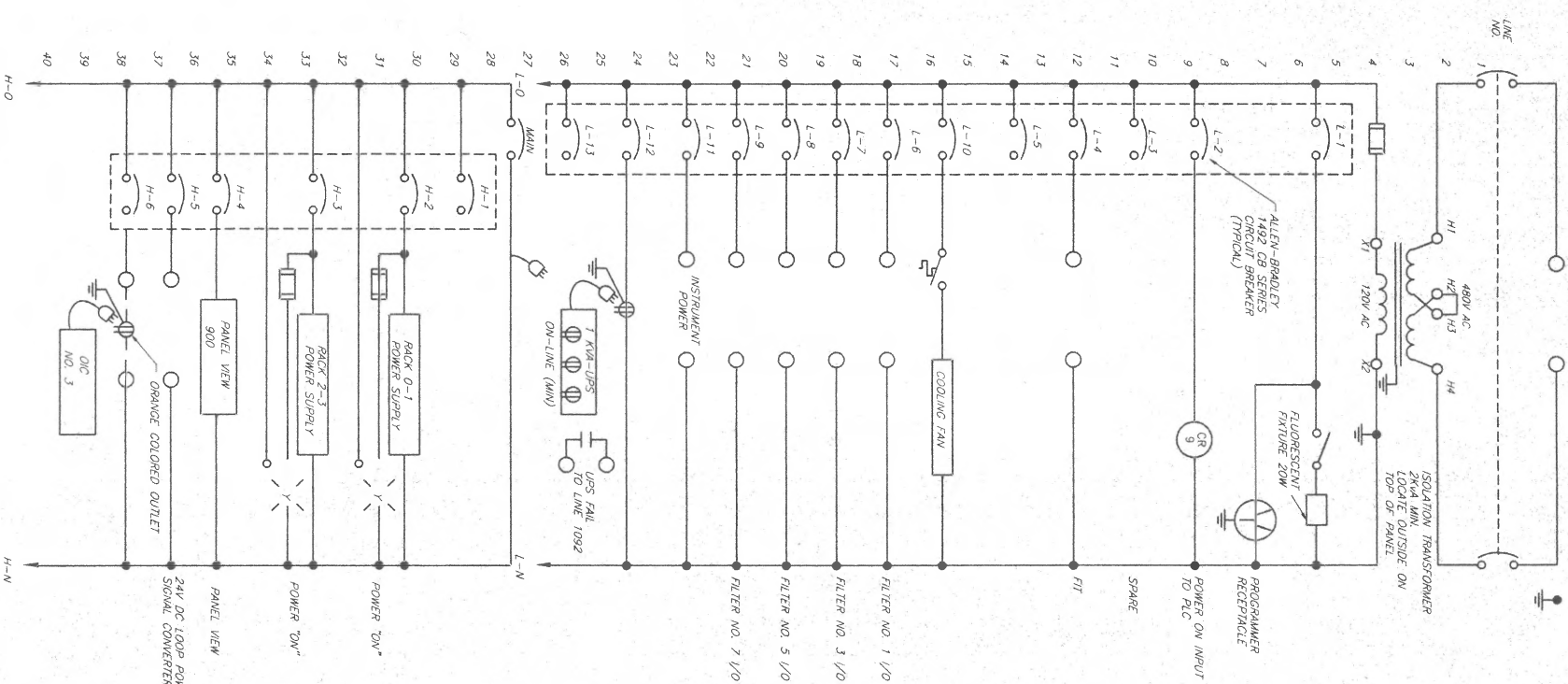
SECTION NO. 2
48 7/8" X 42 3/4" X 16 D (MIN)
NEMA 4 (STAINLESS STEEL)



45 7/8" X 39 1/8" EACH SUBPLATE-MIN
NOT ALL PANEL DEVICES SHOWN

45 7/8" X 39 1/8" EACH SUBPLATE-MIN
NOT ALL PANEL DEVICES SHOWN

NOTE:
1. TYPICAL FOR CP-70, FPP-A, FPP-B, AND FPP-C. HIGH DENSITY
TERMINAL BLOCKS ALLEN-BRADLEY 1492 -M4 SERIES TO BE USED



NO.	REVISION	DATE	BY	CHKD.
1	ISSUED FOR BIDS	08/93		
2	CONSTRUCTION RECORDS	11/99		

VEINSTEIN
VEINSTEIN ELECTRIC CORP.
2100 WEST 10TH STREET
LANSING, MICHIGAN 48204

VEINSTEIN
VEINSTEIN ELECTRIC CORP.
2100 WEST 10TH STREET
LANSING, MICHIGAN 48204

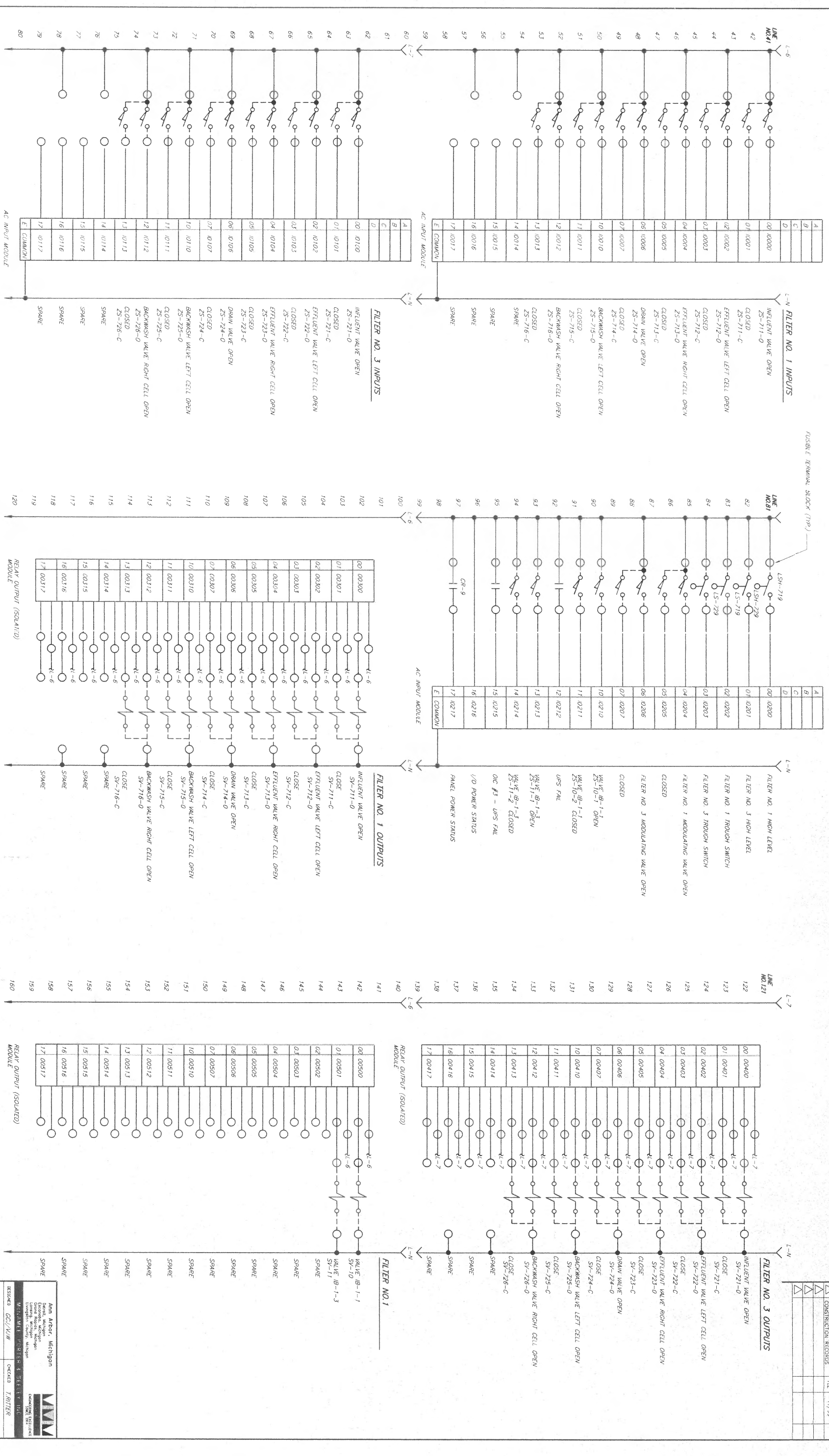
DESIGNED BY: JONES
CHECKED BY: JONES
SCALE: NONE
DATE: 01-06-93

CURTIS RAY
VEINSTEIN ELECTRIC CORP.
2100 WEST 10TH STREET
LANSING, MICHIGAN 48204

FPP-A
LAYOUT, CIRCUITS

CONTRACT: 0106-059-S-1
SHEET: 1-16 OF 32

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	AGF	06/97	
2	CONFORMING TO REQUIREMENTS	TLE	11/99	
3	CONSTRUCTION REVISIONS			



Ann Arbor, Michigan
 Donald McCreary
 Lead Designer
 Tompkins County, Michigan

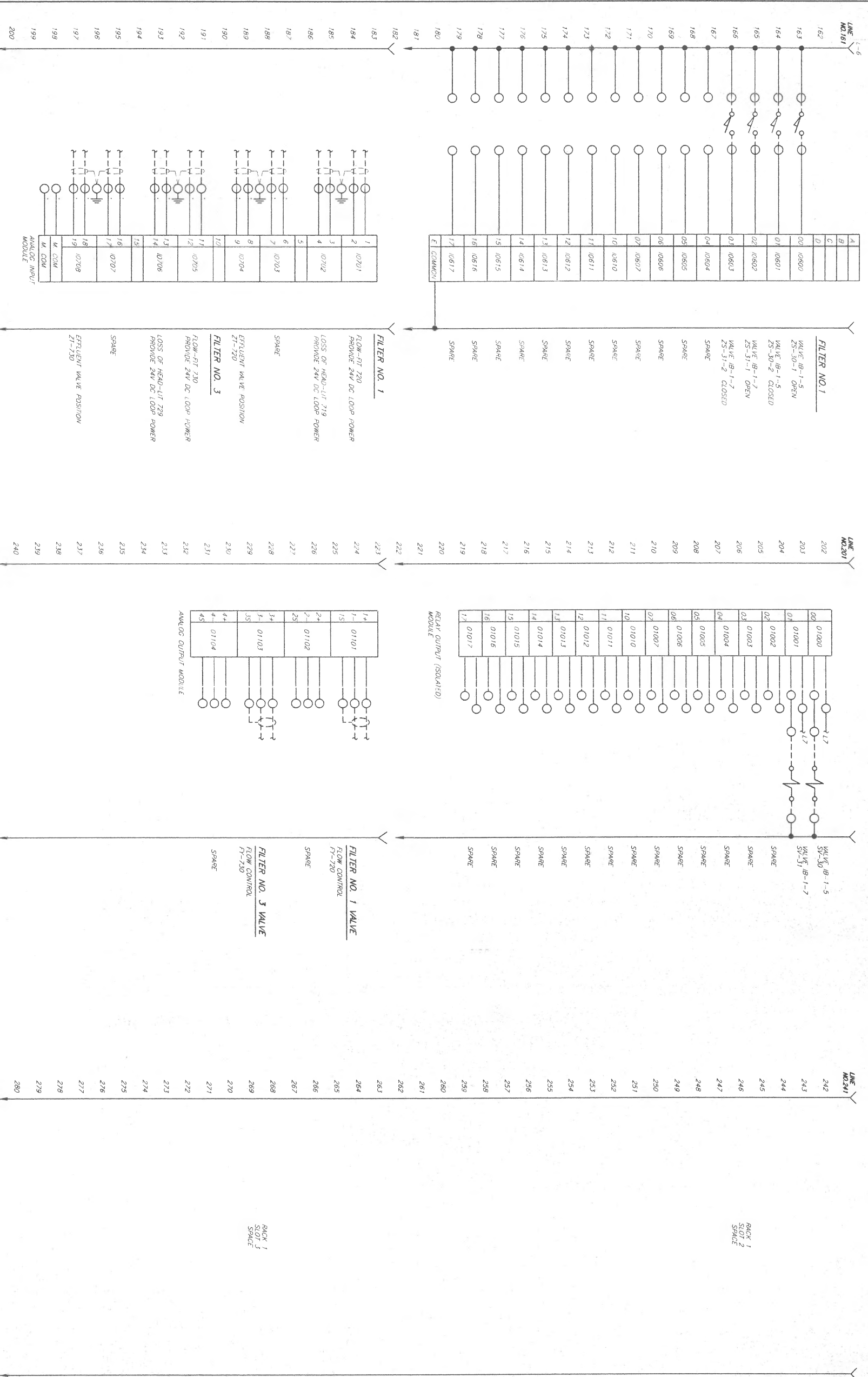
WESTWATER CONSULTING ENGINEERS, INC.
 10000 Westpark Drive
 Farmington Hills, Michigan 48334

DATE: 11/16/99
 SCALE: NONE
 CHECKED: T/BRTNER
 DRAWN: 0106.059-S-1

FPP-A I/O RACK 0

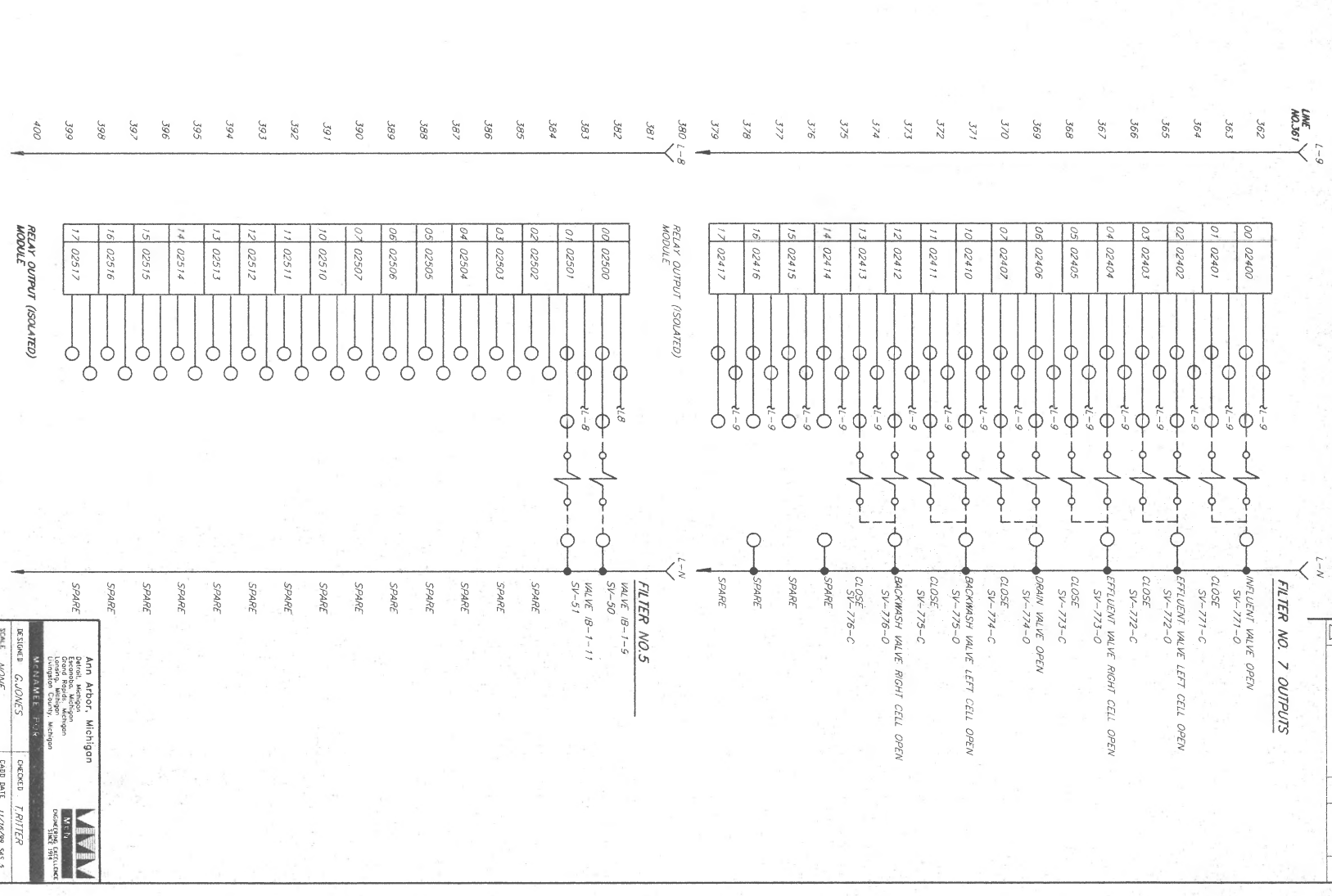
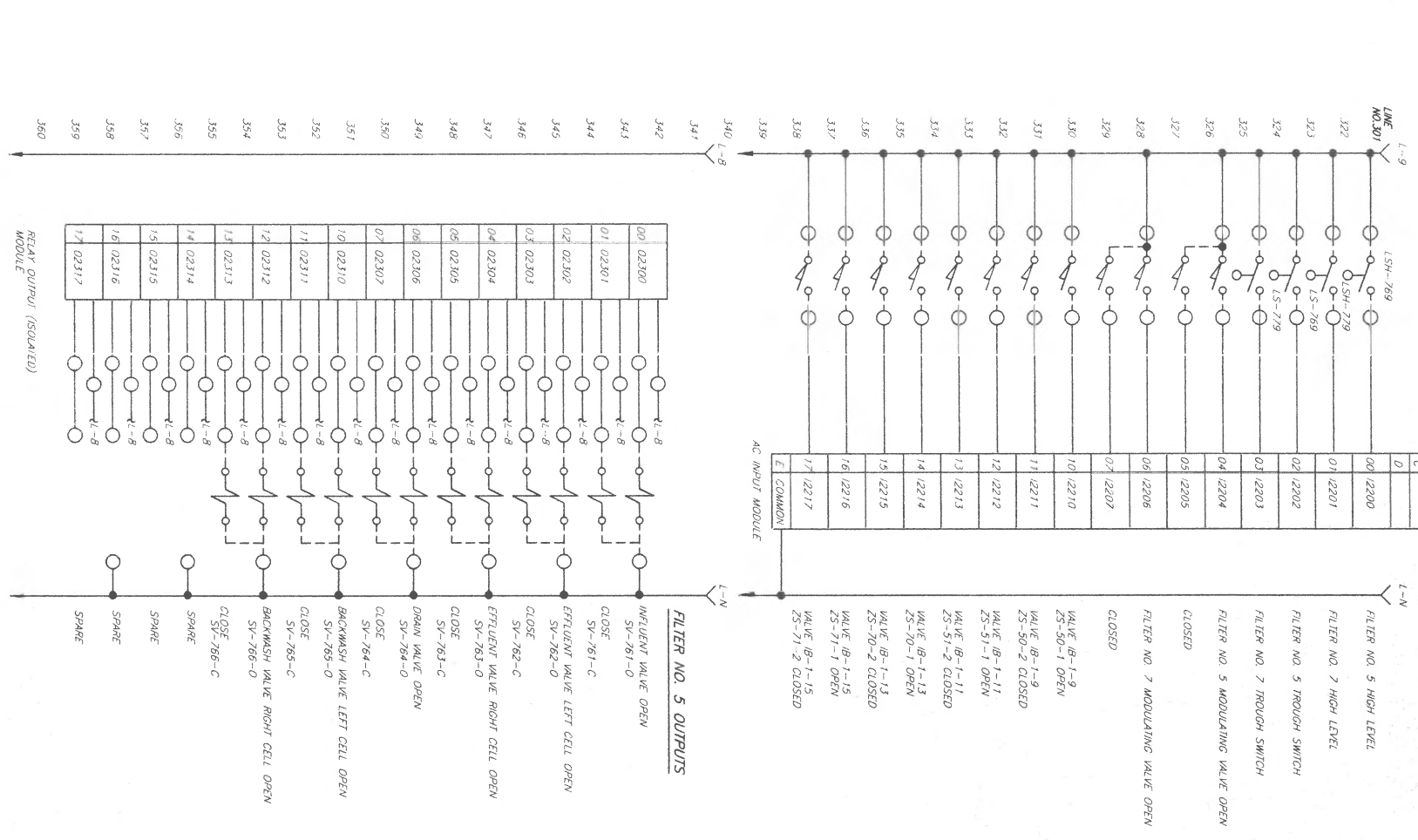
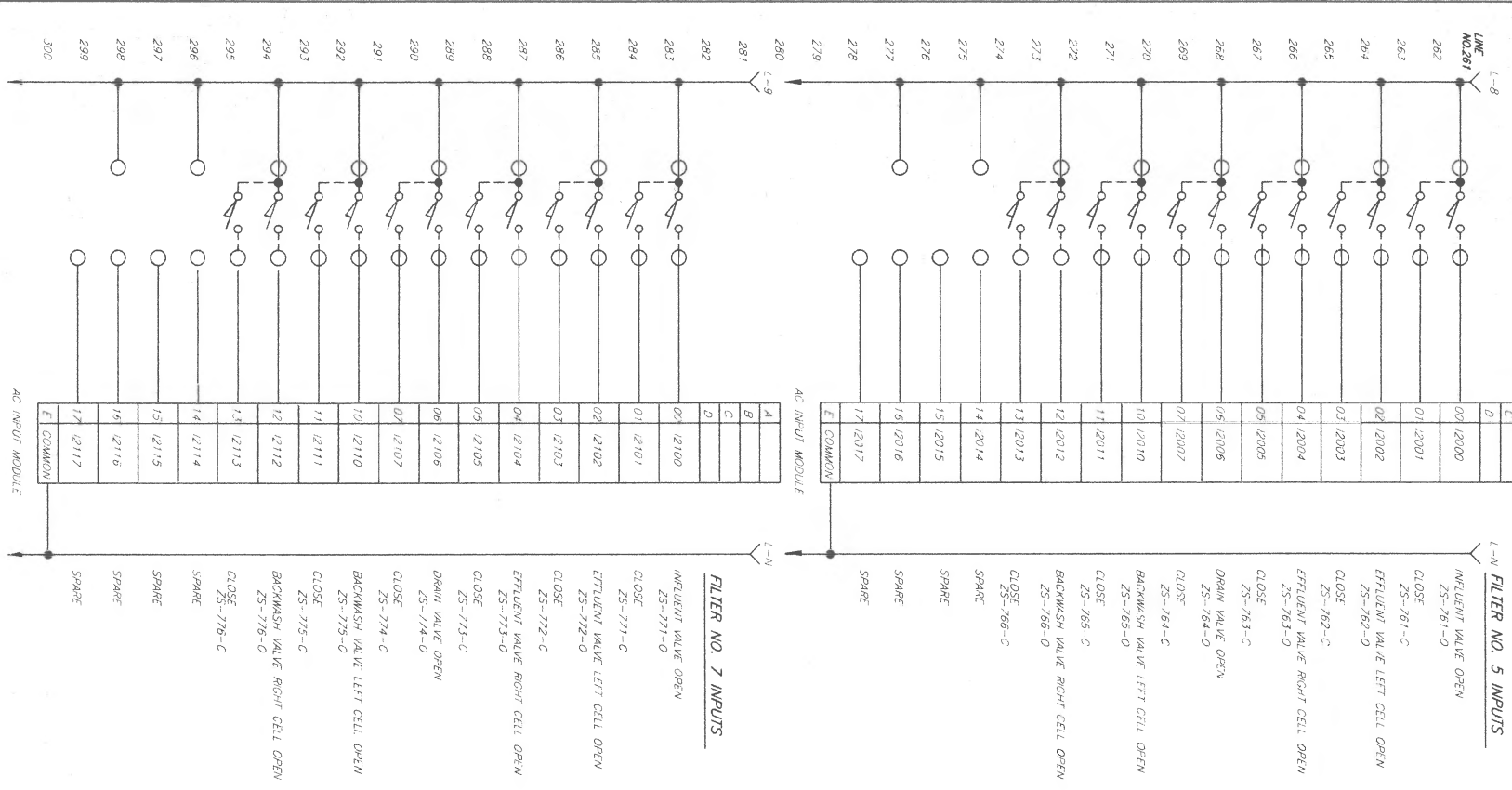
SHEET 1-17 OF 32

REV	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	MB	08/97
2	CONFORMING TO CONSTRUCTION REQUIREMENTS	TE	11/99



Ann Arbor, Michigan
 Electrical Engineering
 Instrumentation
 W. J. WATKINS
 PROJECT: FILTER NO. 1
 CHECKED: T. BRETHERTON
 SCALE: NONE
 DATE: 11/16/99

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	MBF	08/97	
2	CONFORMING TO CONSTRUCTION RECORDS	LE	11/99	



FPP-A
I/O
RACK 2

INSTRUMENTATION

CITY OF ANN ARBOR, MICHIGAN
WESTWATER TREATMENT PLANT
TERTIARY FILTER RECONSTRUCTION

Ann Arbor, Michigan
Dana, Michigan
George Ross, Michigan
Lundberg, Michigan
W. G. KIMBLE, P. E.

DESIGNED: G. GONDES
CHECKED: J. BRITZER
DATE: 7/17/99 S&S 3

SCALE: NONE

PART: 21 WESTWATER TERTIARY FILTER RACK

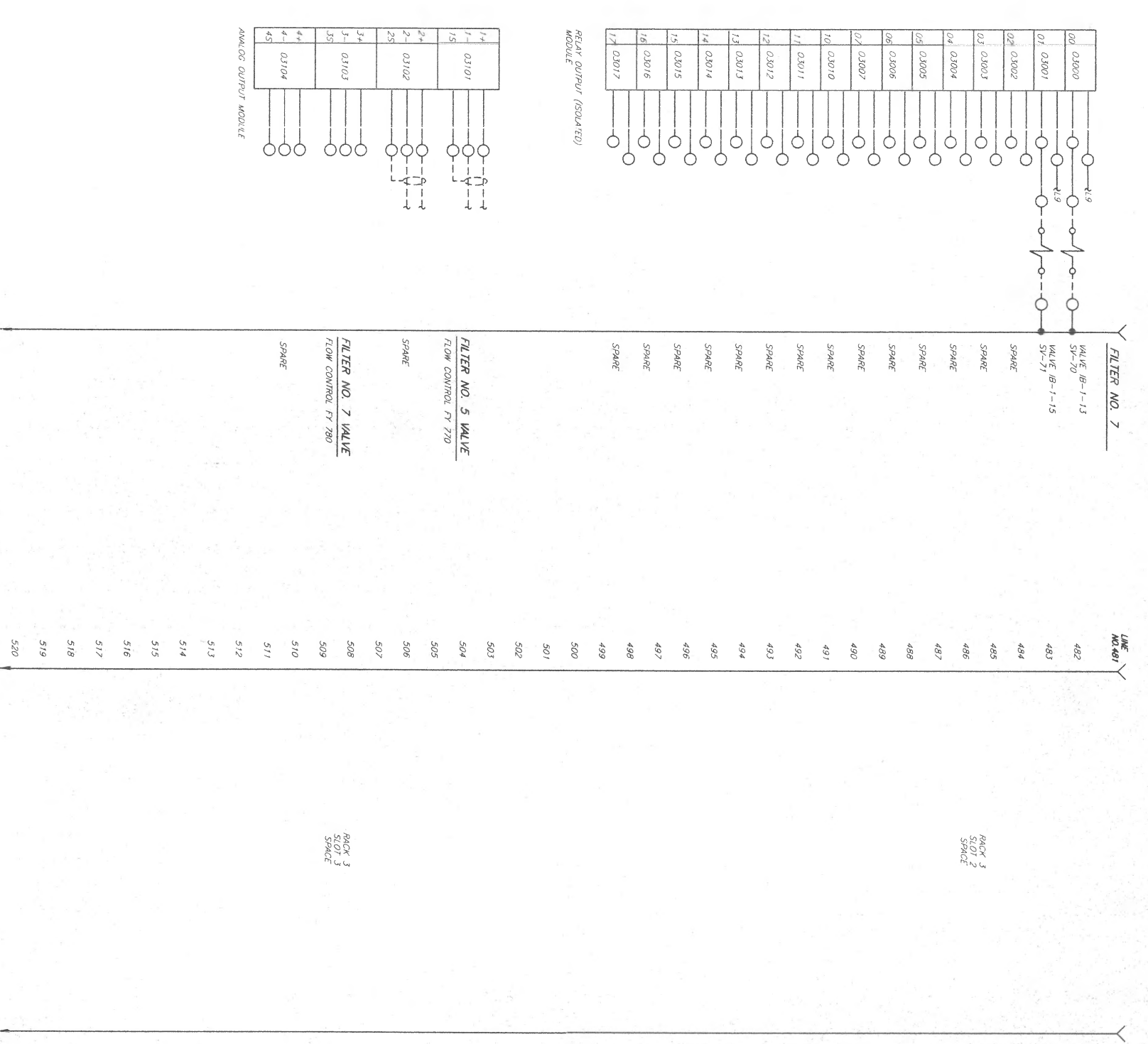
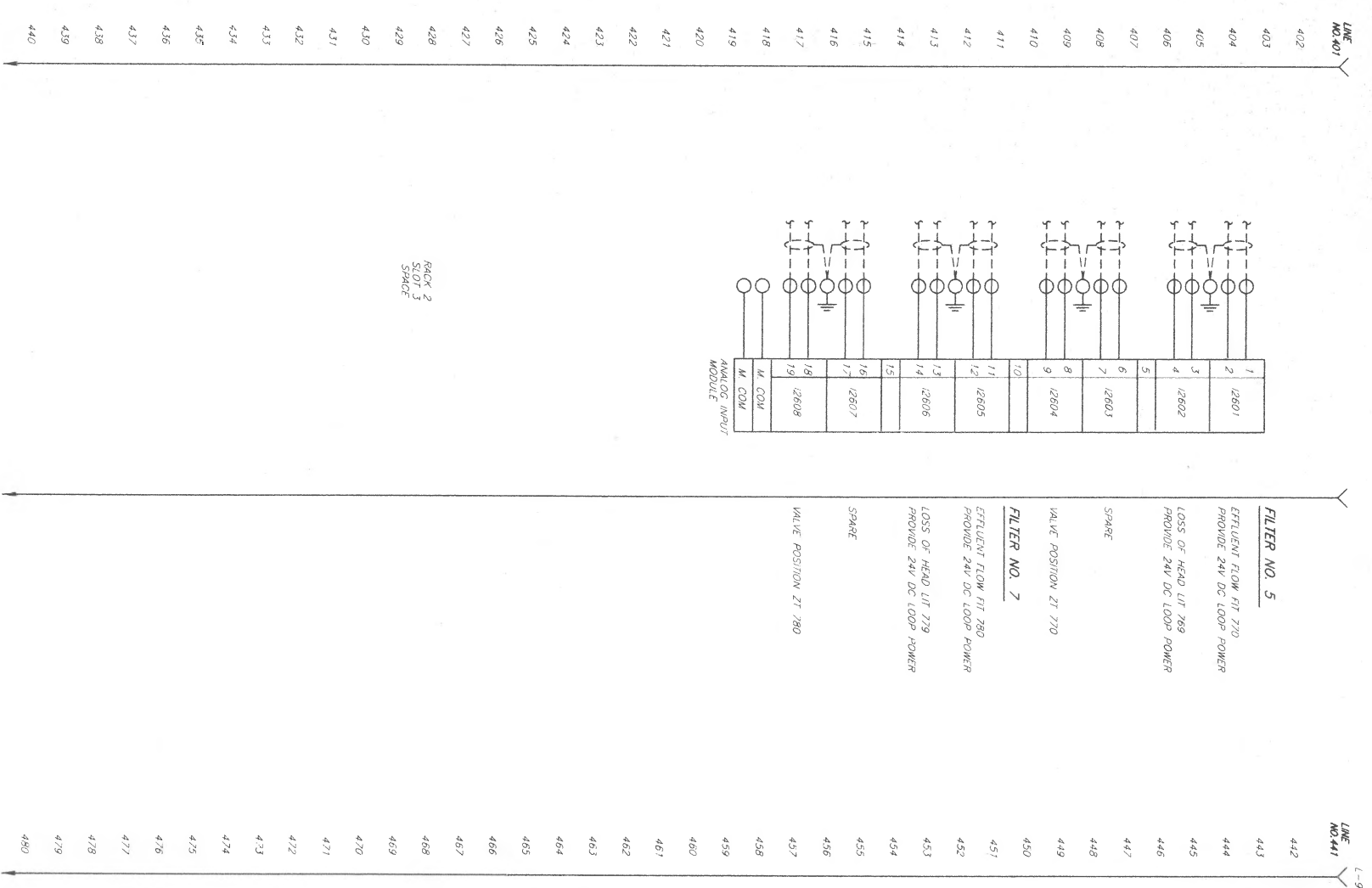
WESTWATER TREATMENT PLANT
CONTRACT NO. 0106.059-S-1

DIVISION: ELECTRICAL

SHEET: J-19

OF: 22

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	MBP	06/97	
2	CONSTRUCTION RECORDS	TLE	11/99	
3				
4				



Ann Arbor, Michigan
 Electrical, Mechanical, Plumbing, Fire, and Security Division
METRO WATER SUPPLY CENTER & SEWER INC.
 ENGINEERING DIVISION

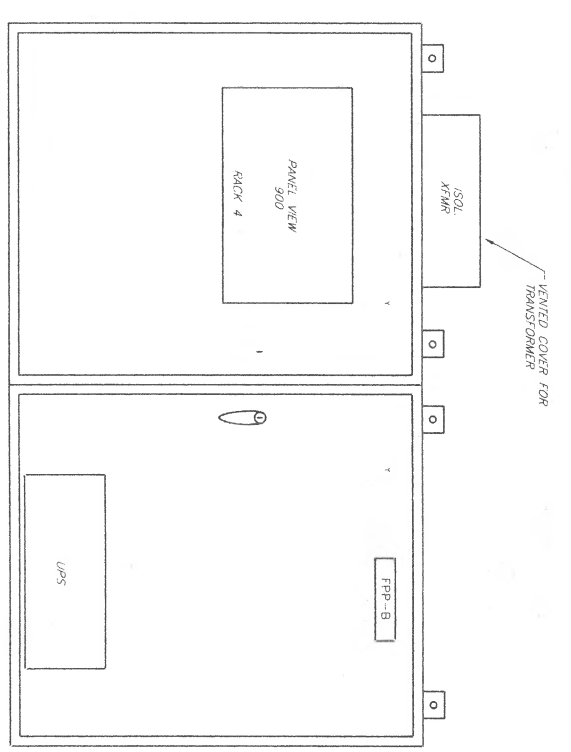
DESIGNED BY: G. JONES
 CHECKED BY: T. BRITNER
 DATE: 11/16/99

CITY OF ANN ARBOR, MICHIGAN
 WASTEWATER TREATMENT PLANT
 TERTIARY FILTER RENOVATIONS

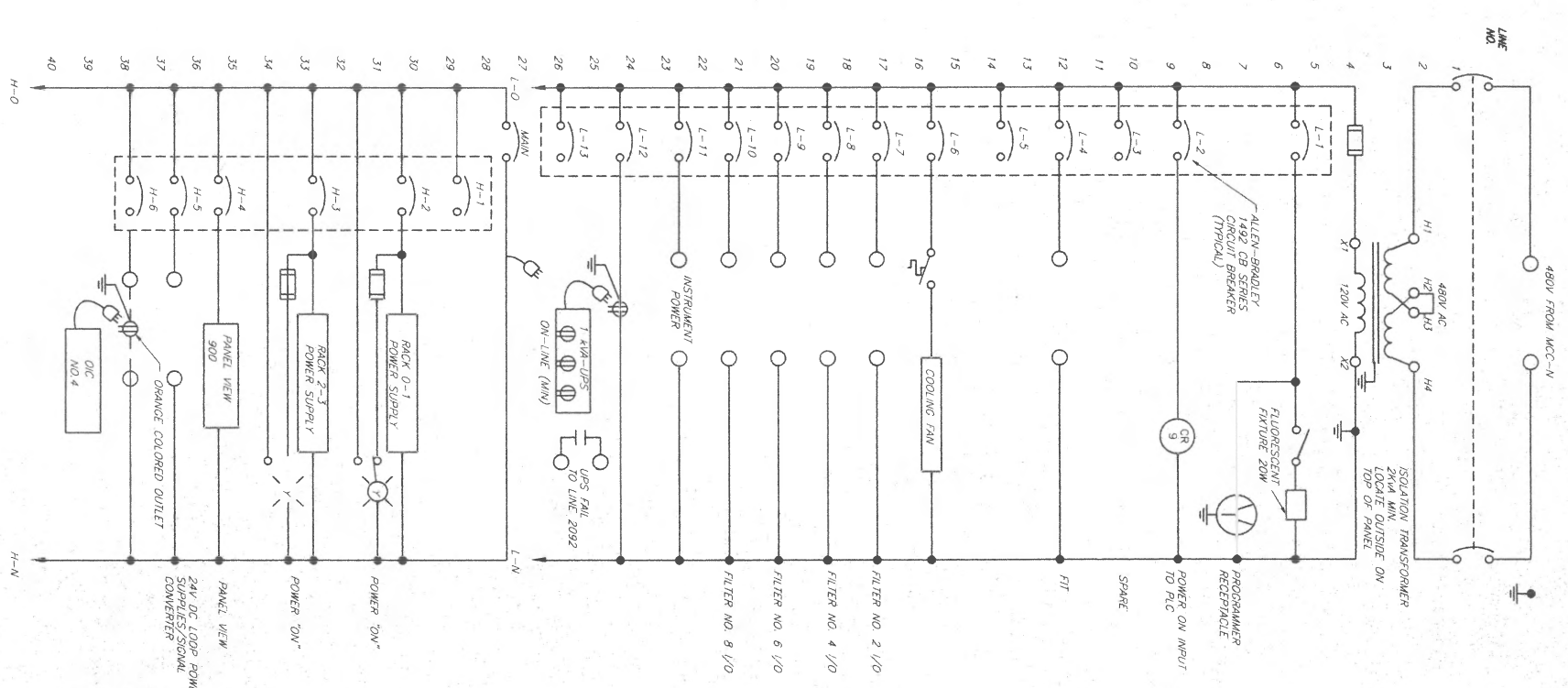
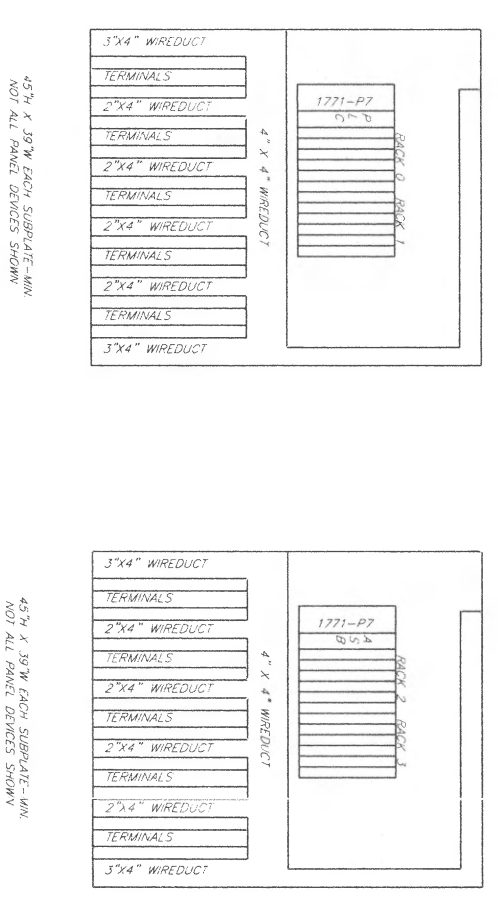
INSTRUMENTATION
FPP-A
I/O
RACK 2, RACK 3

PROJECT: 0106.059-5-1
 SHEET: 1-20
 OF: 32

ISSUED FOR BIDS	MM	08/97
CONSTRUCTION RECORDS	TLE	11/99



CONTROL PANEL FPP-B



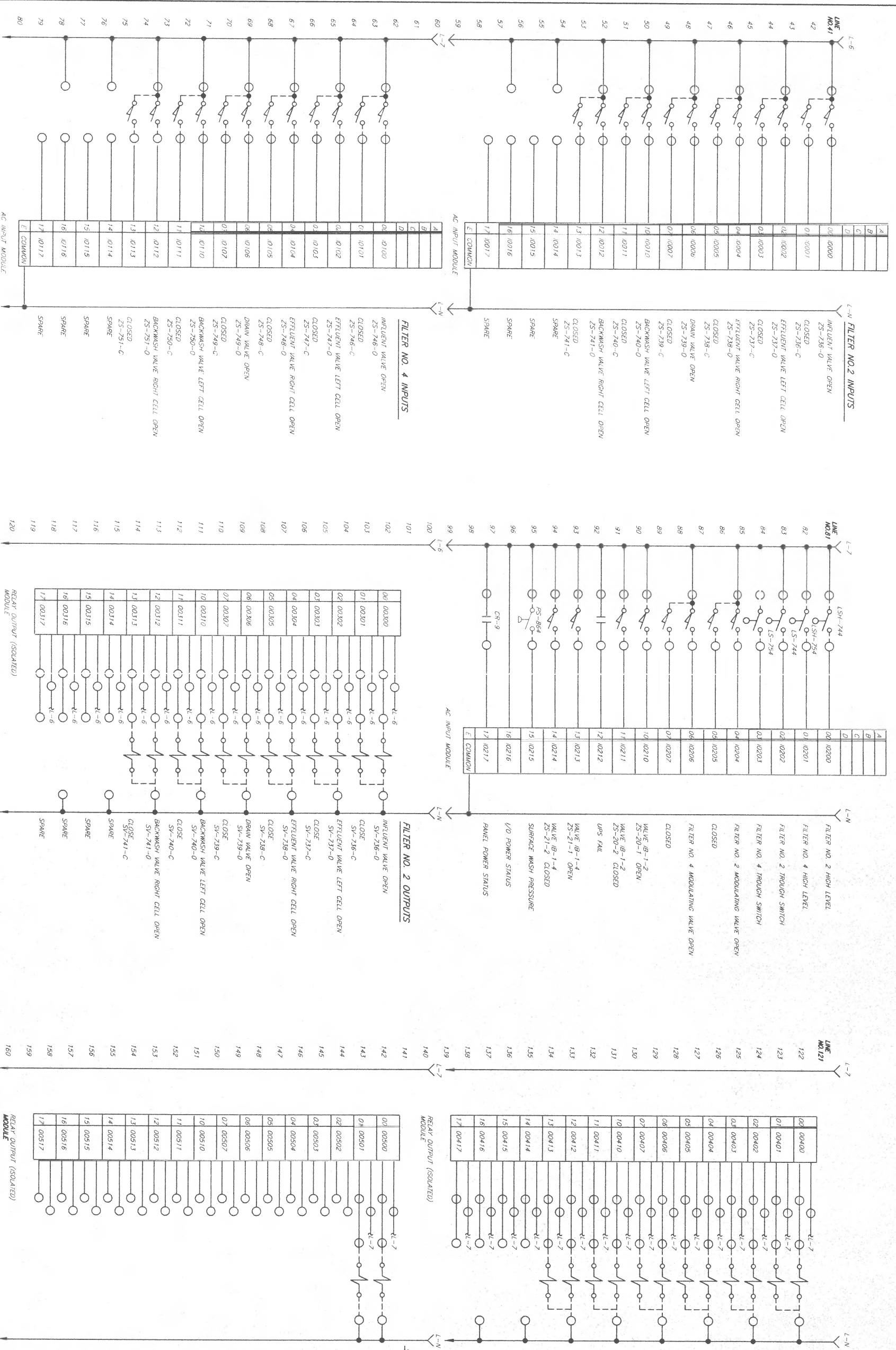
ANTHONY ENGINEERING
 11000 E. Grand Ave.
 Dearborn, Michigan 48124
 Phone: 313-291-1100
 Fax: 313-291-1101
 E-Mail: anthony@anthonyeng.com
 Website: www.anthonyeng.com

DESIGNED BY: G. JONES
SCALE: NONE
DRAWN BY: J. B. JONES
CHECKED BY: J. B. JONES
DATE: 11/18/99

PROJECT: PART 01 WEST/0101/050101/01/05-01-00-00-00-00
CLIENT: CITY OF ANN ARBOR, MICHIGAN
PROJECT: MASTERMETER TREATMENT PLANT
REVISIONS: TERNIARY FILTER REVISIONS

CONTRACT: 0106-059-S-1
SHEET: 1-21 OF 32

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	4697	06/97	
2	CONFORMING TO			
3	CONSTRUCTION RECORDS		11/99	

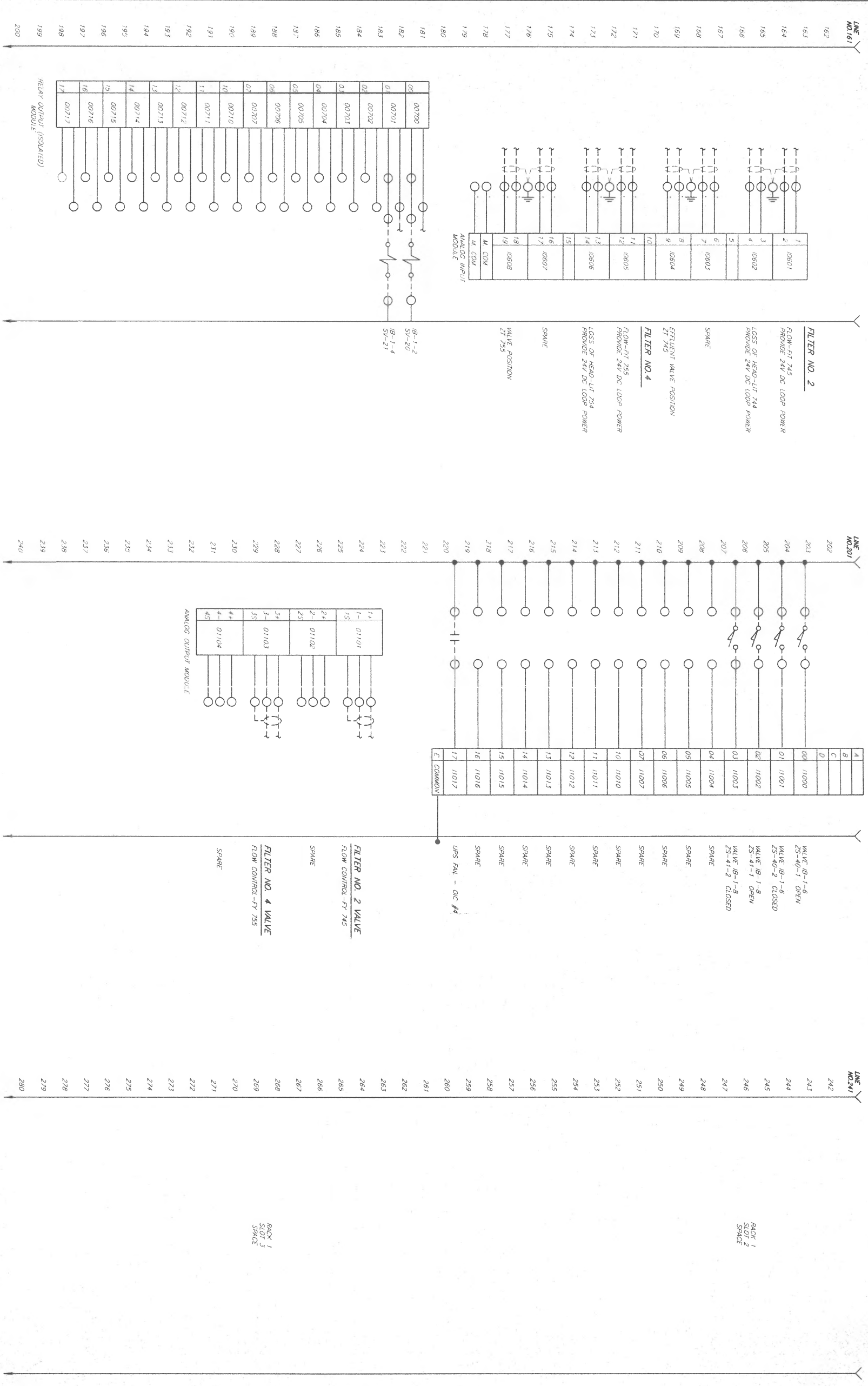


Ann Arbor, Michigan
 Daniel, Mann, Johnson & Mendenhall, Inc.
 1000 East Main Street
 Ann Arbor, Michigan 48106-1500
 M. N. WILHELM, PROJECT ENGINEER
 STEVEN J. STALEY, INC.
 1000 East Main Street
 Ann Arbor, Michigan 48106-1500
 STEVEN J. STALEY, PROJECT WRITER

SCALE: NONE
 DATE: 11/16/99
 SHEET: 1-22
 OF: 22

FPP-B I/O
 RACK 0
 0106.059-S-1

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	MBF	08/97	
2	CONFORMING TO RECORDS	TLF	11/99	
3	REVISIONS			
4				



Ann Arbor, Michigan
 Dept. of Water
 Executive Building
 Lansing, Michigan 48906
 Water Services Division

W. F. JAMES PROJECT ENGINEER
 STEELER, INC.
 10000 S. STATE ST.
 ANN ARBOR, MI 48106

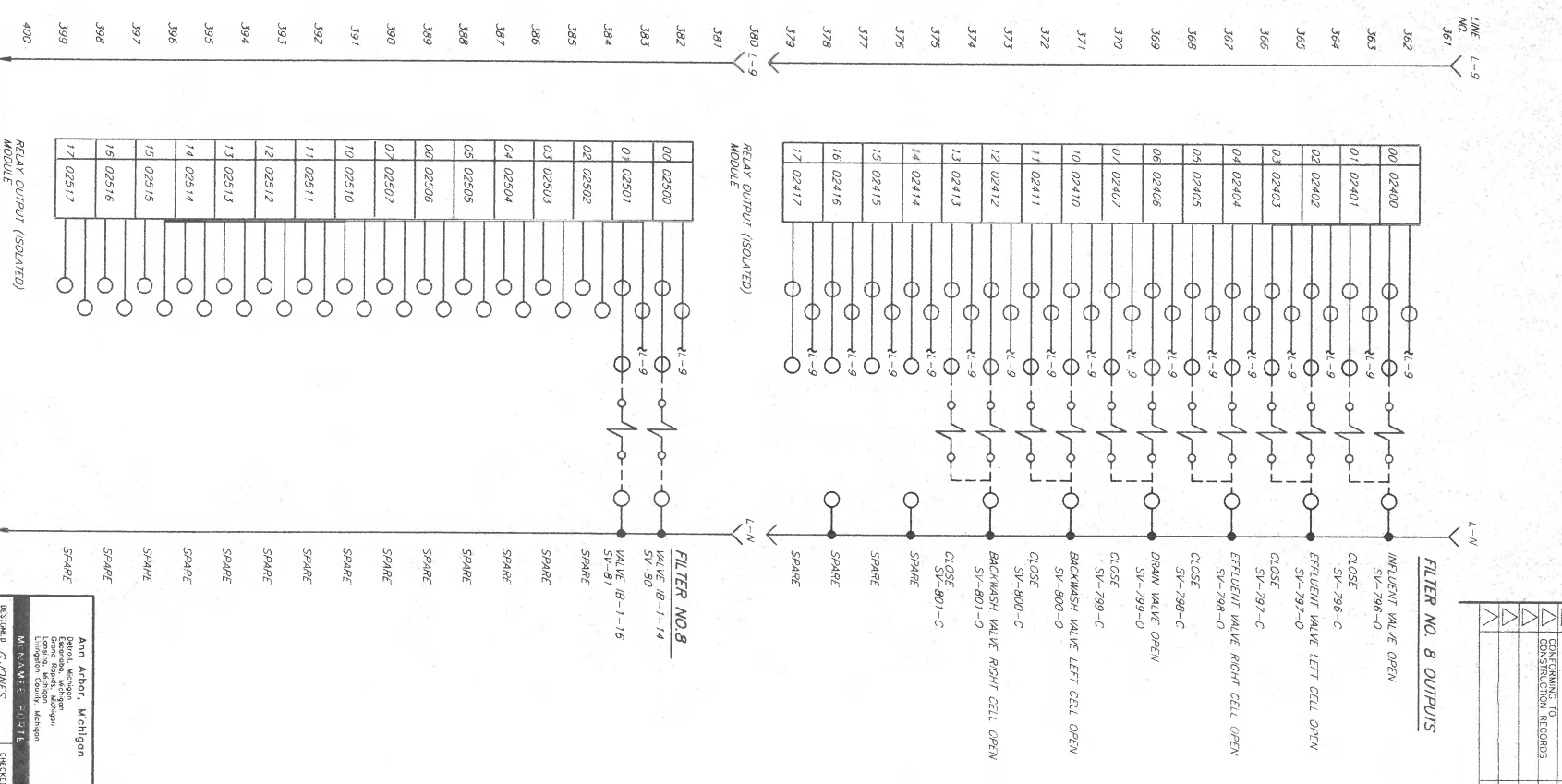
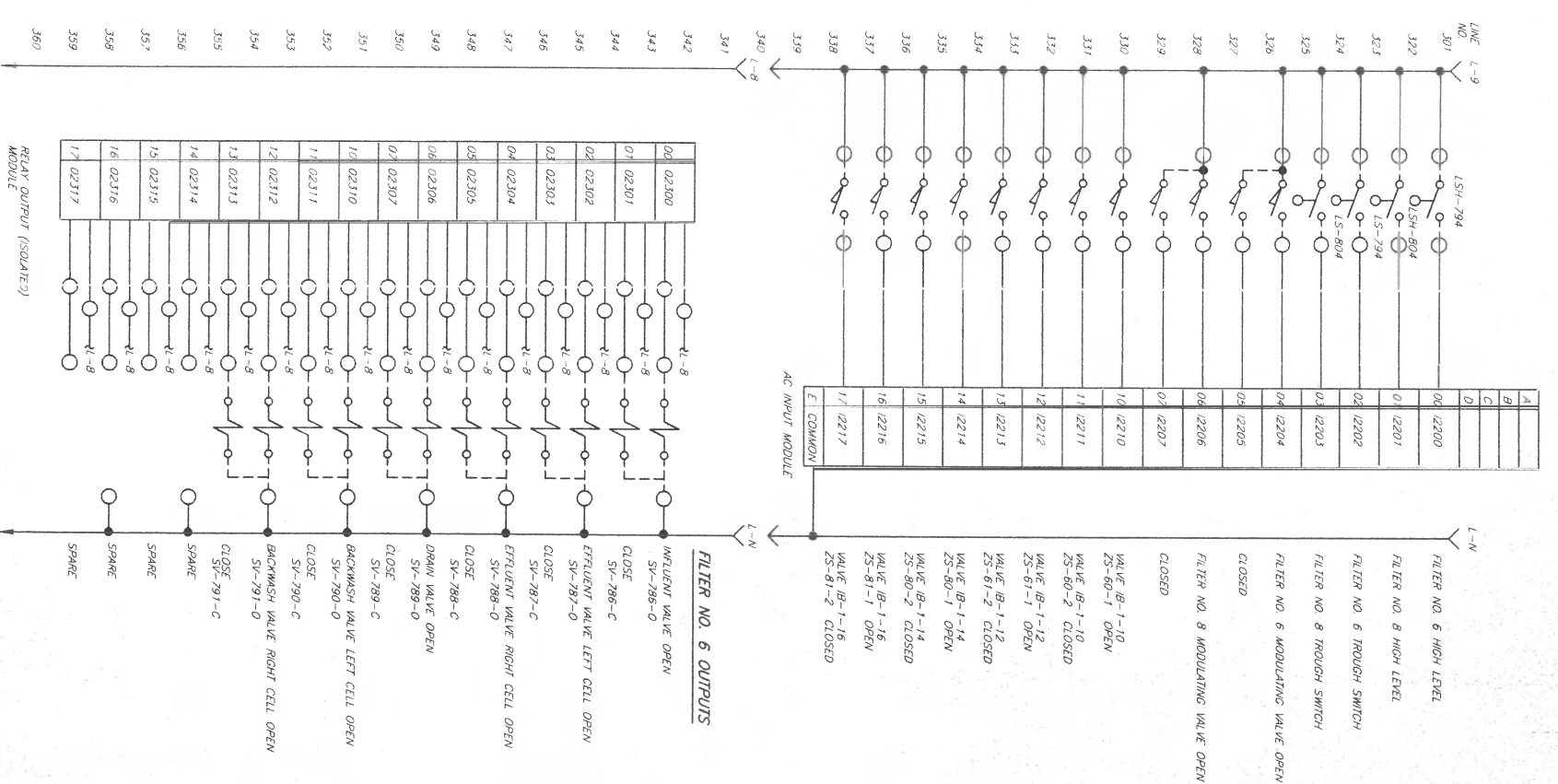
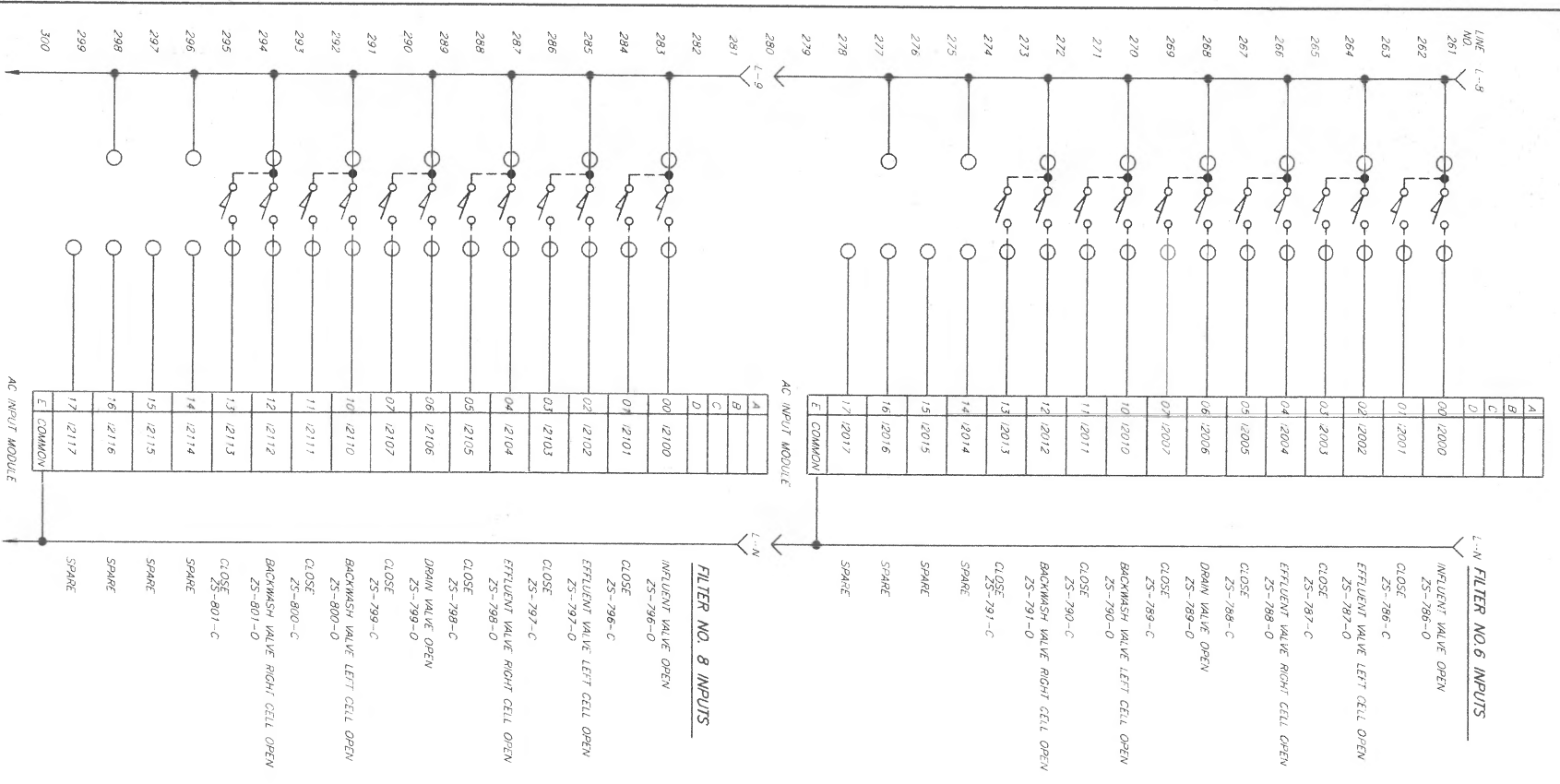
CHECKED: J. WHITE
 DATE: 11/18/99 SHEET 5

SCALE: NONE
 DRAWING NO: 0106.059-5-1

INSTRUMENTATION
FPP-B
I/O
RACK 0, RACK 1

DIVISION	CONTRACT	SHEET
	0106.059-5-1	1-23
		OF 32

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	MGT	06/97	
2	CONFORMING TO CONSTRUCTION RECORDS	TLE	11/99	

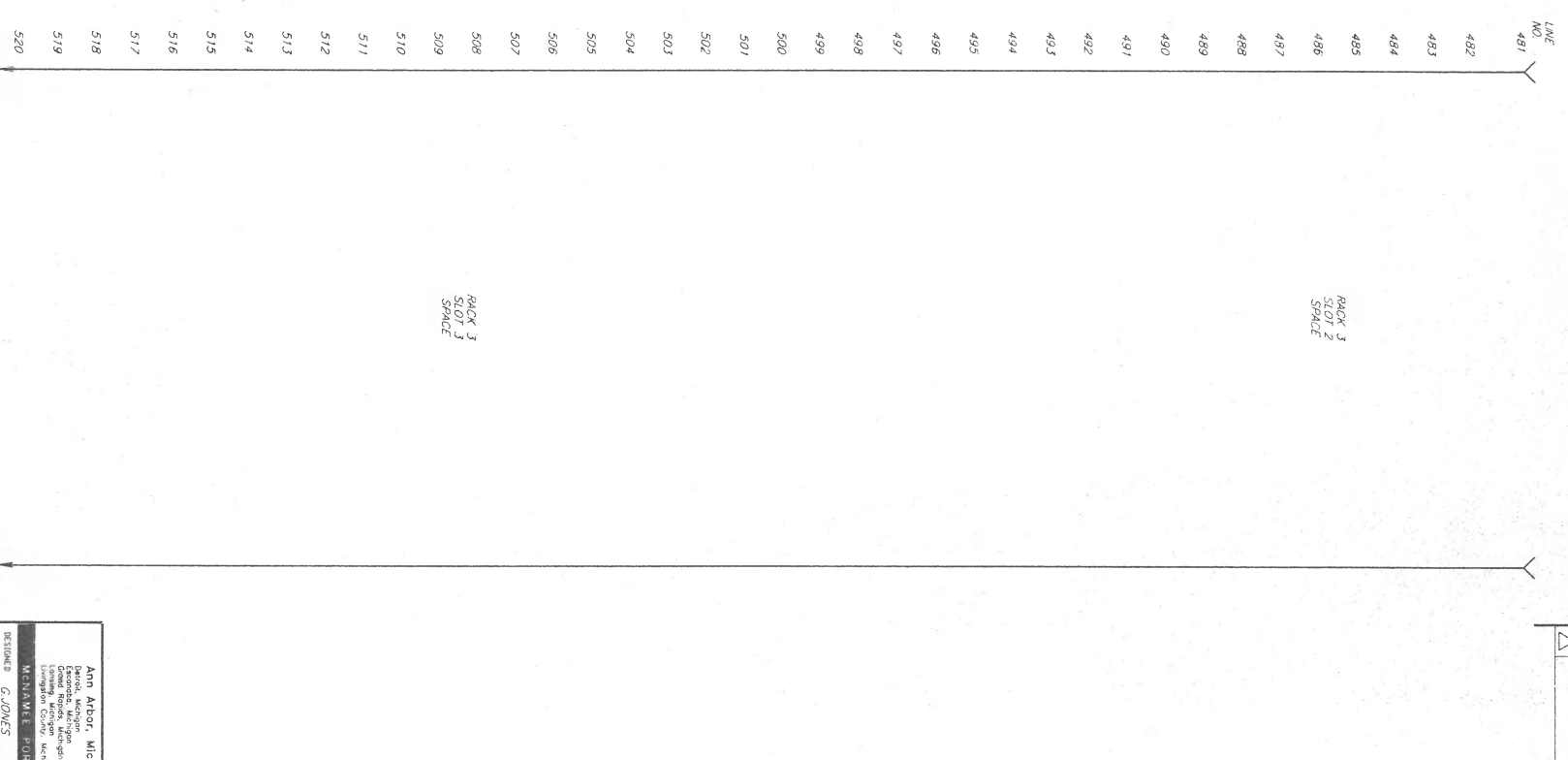
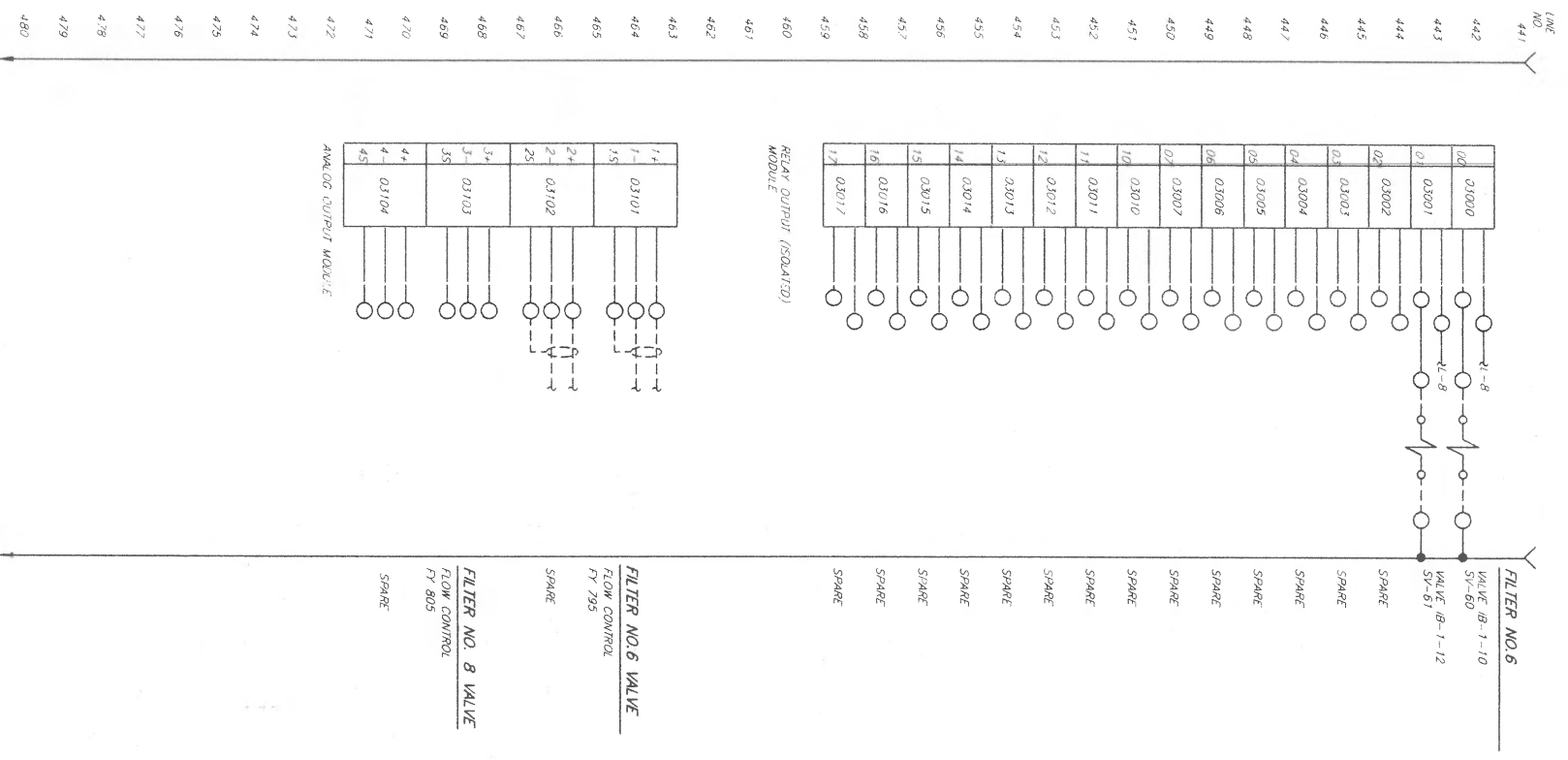
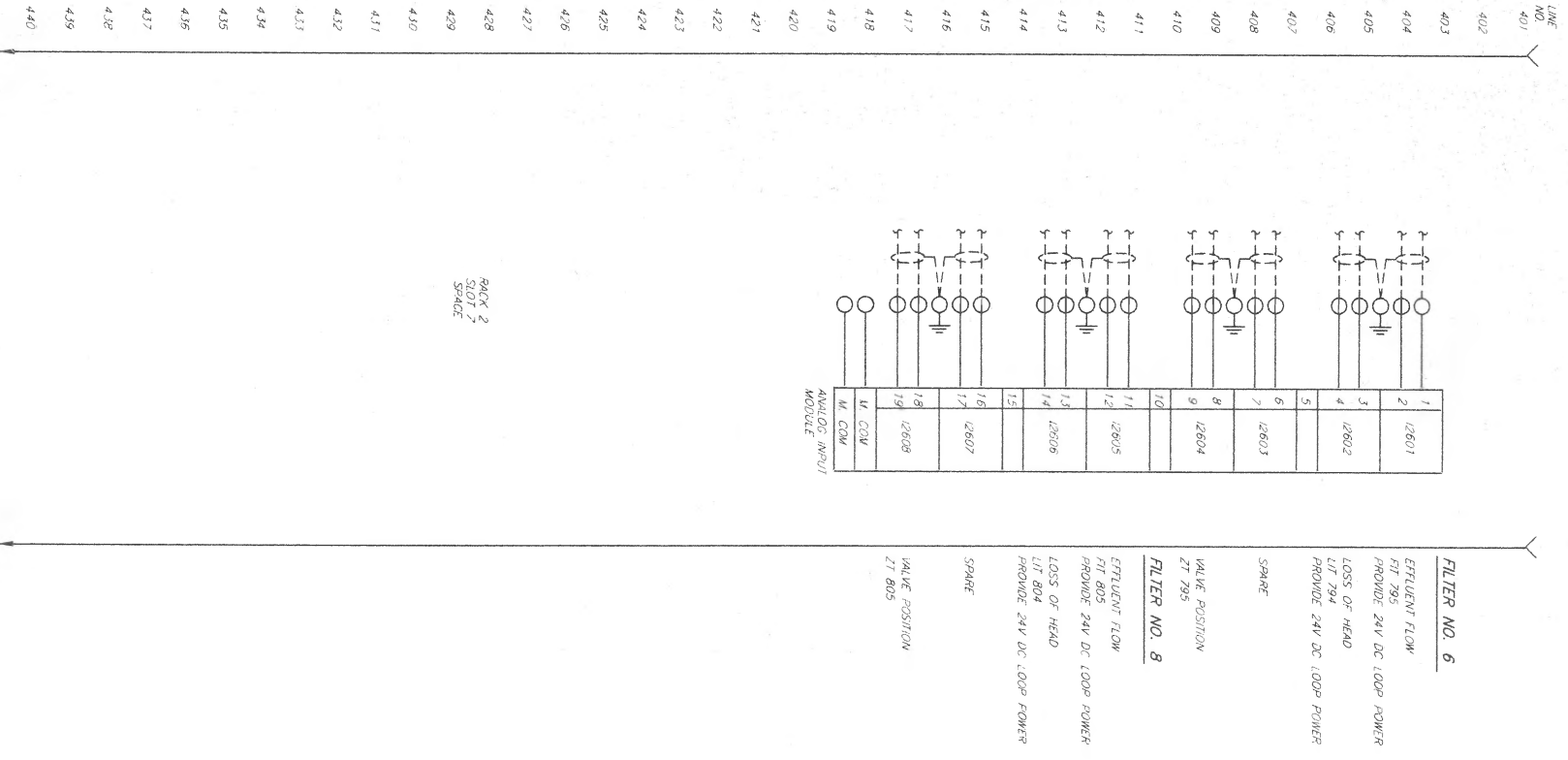


Ann Arbor, Michigan
 Daniel, Mann, Johnson & Mendenhall
 Consulting Engineers, Inc.
 1000 East Main Street
 Ann Arbor, Michigan 48106-1500

PROJECT: 0106.059-5-1
 SHEET: 1-24 OF 52
 INSTRUMENTATION
 FPP-B
 I/O
 RACK 2

DIVISION: 0106.059-5-1
 SHEET: 1-24 OF 52

REV	DESCRIPTION	BY	DATE	CHK'D
1	ISSUED FOR BIDS	465	06/97	
2	CONFORMING TO CONSTRUCTION RECORDS	ILE	11/99	
3				



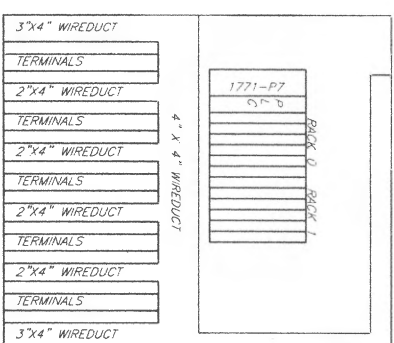
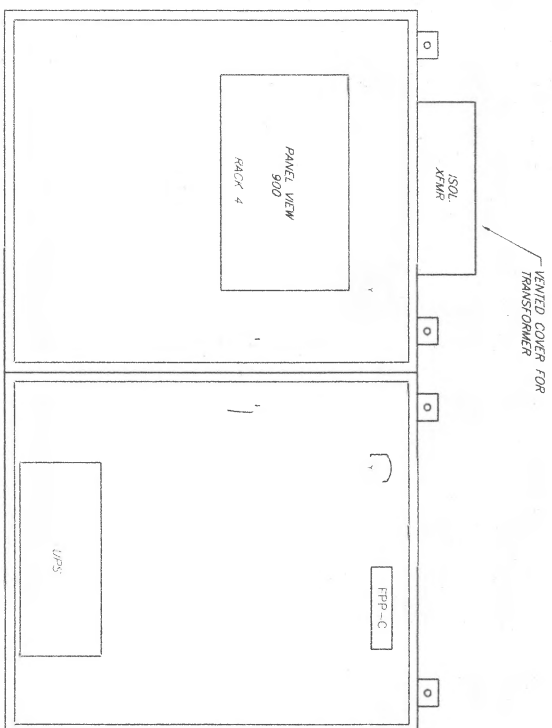
Ann Arbor, Michigan
 2000 West
 Grand River, Michigan
 Livingston County, Michigan
MCNAMIE FORSTER & SEELY, INC.
 ENGINEERS ARCHITECTS

DESIGNED: G. ADKES
 CHECKED: J. RITTER
 SCALE: NONE
 DATE: 11/16/99
 SHEET: 1-25
 OF: 32

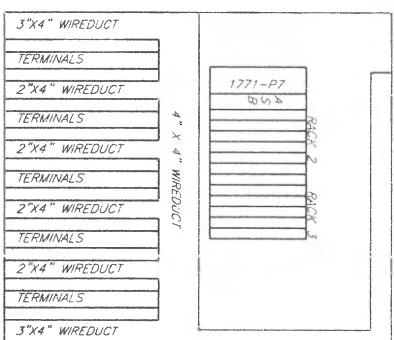
CITY OF ANN ARBOR, MICHIGAN
 WASTEWATER TREATMENT PLANT
 TERTIARY FILTER RENOVATIONS

FPP-B
I/O
RACK 2, RACK 3

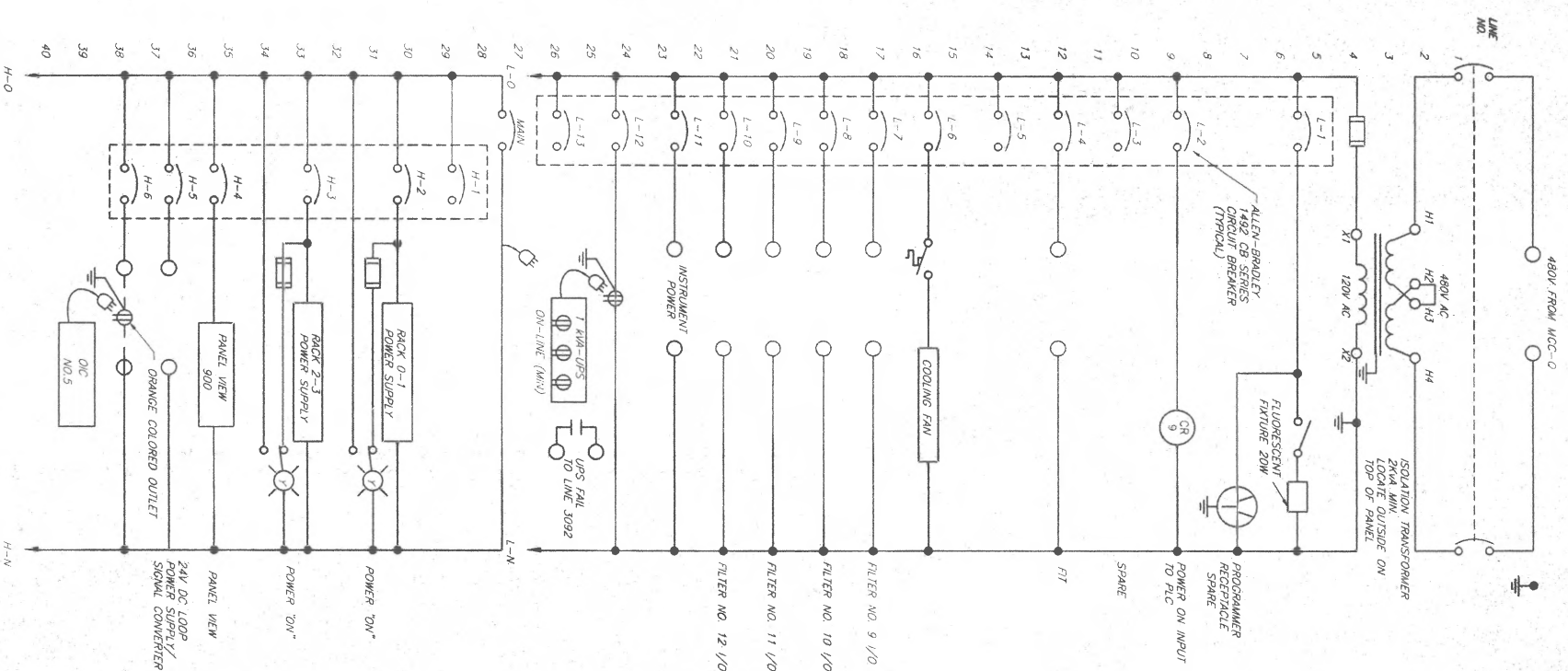
CONTRACT: 0106.059-S-1



45 1/4" X 39 1/4" EACH SUBRACK-MIN
NOT ALL PANEL DEVICES SHOWN



45 1/4" X 39 1/4" EACH SUBRACK-MIN
NOT ALL PANEL DEVICES SHOWN



DATE	DESCRIPTION	BY	CHKD
06/97	ISSUED FOR BIDS	MBF	
11/99	CONFORMING TO RECORDS	TLE	
	REVISIONS		

Ann Arbor, Michigan
Electrical Engineering
Instrumentation
Temperature Control
Temperature Control

RESIDUE ENGINEERS
10000 S. STATE ST.
ANN ARBOR, MI 48106-0599

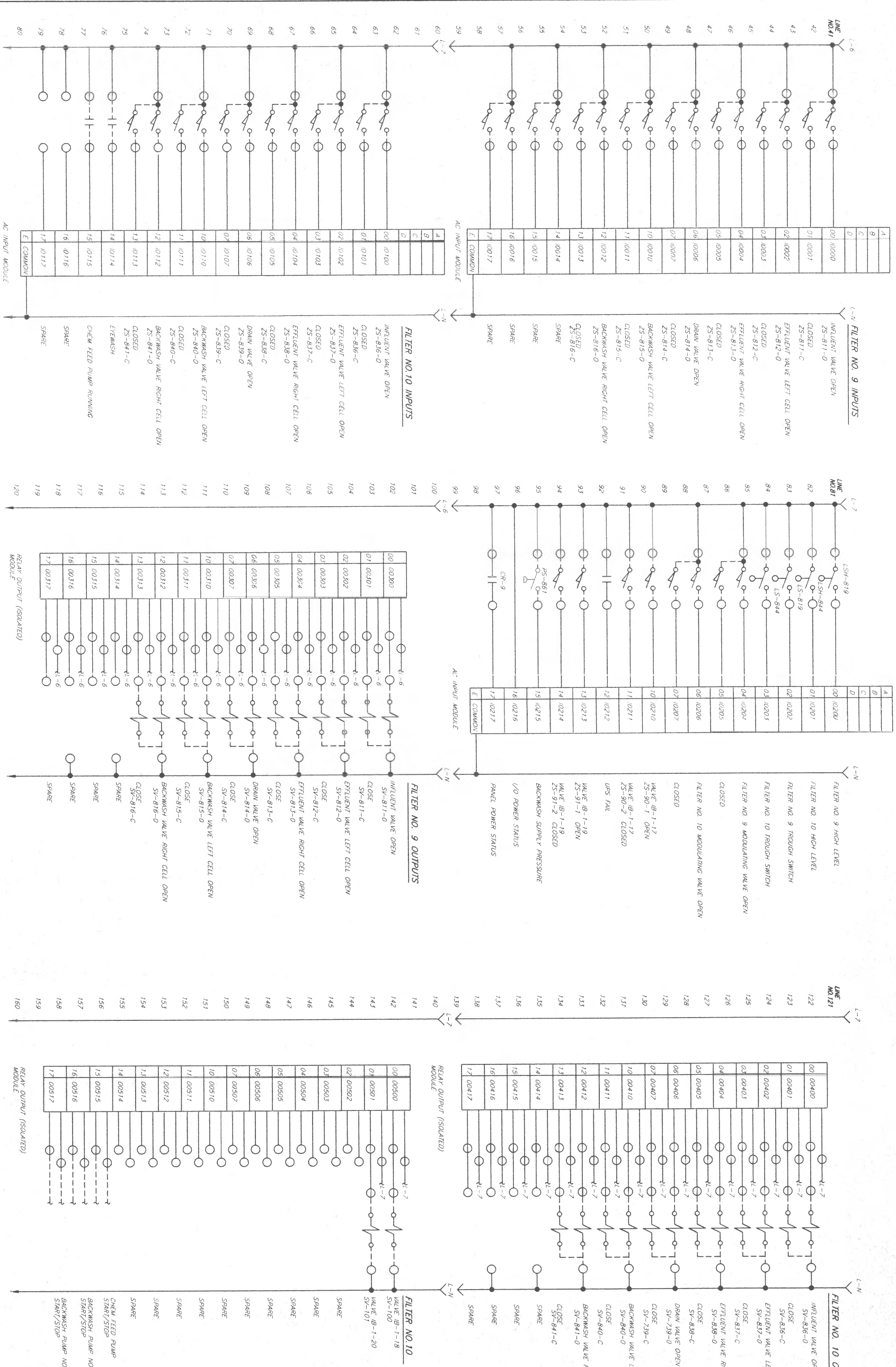
SCALE NONE

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INSTRUMENTATION
LAYOUT, CIRCUITS

CONTRACT 0106-059-S-1

SHEET 1-26 OF 37



Ann Arbor, Michigan
 General Manager
 David R. Jones
 Supervisor
 W. N. SWAYNE, PRESIDENT & GENERAL MANAGER
 W. N. SWAYNE, GENERAL MANAGER
 W. N. SWAYNE, GENERAL MANAGER
 W. N. SWAYNE, GENERAL MANAGER

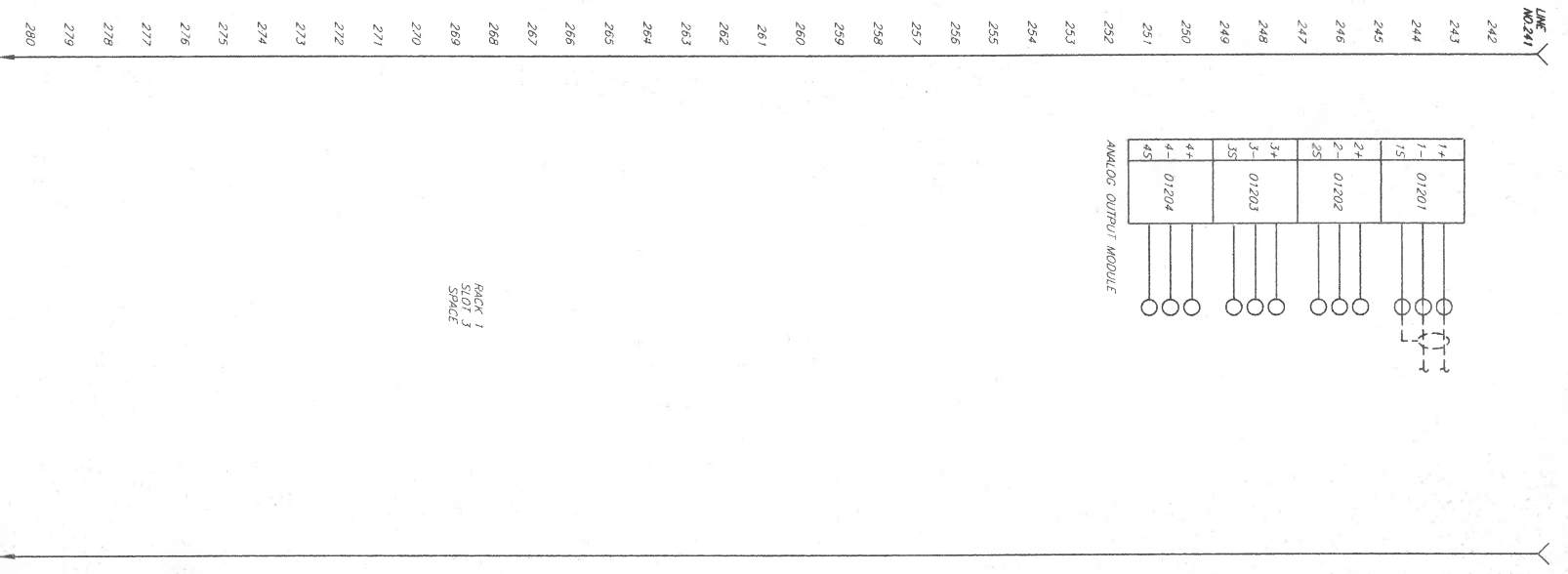
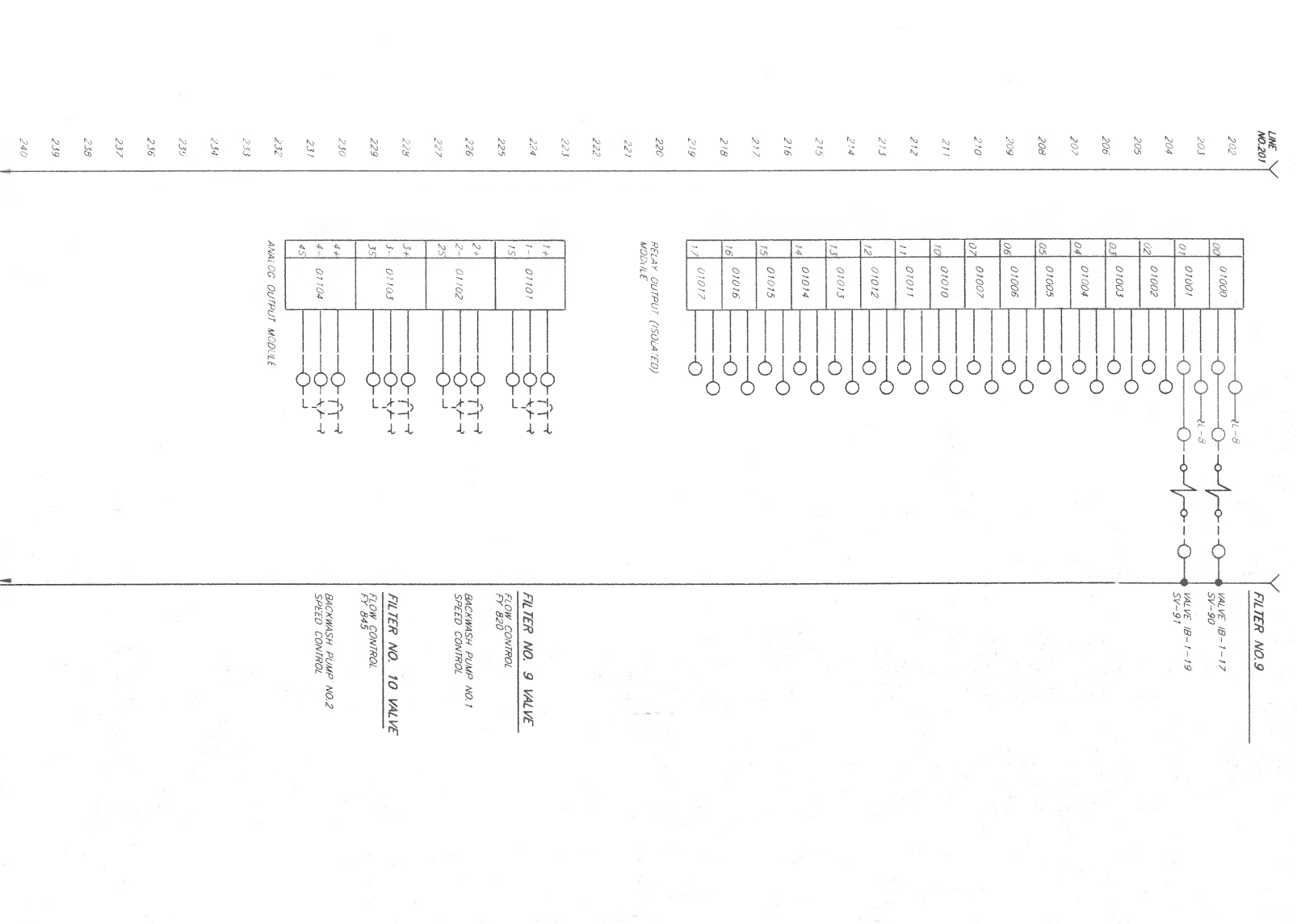
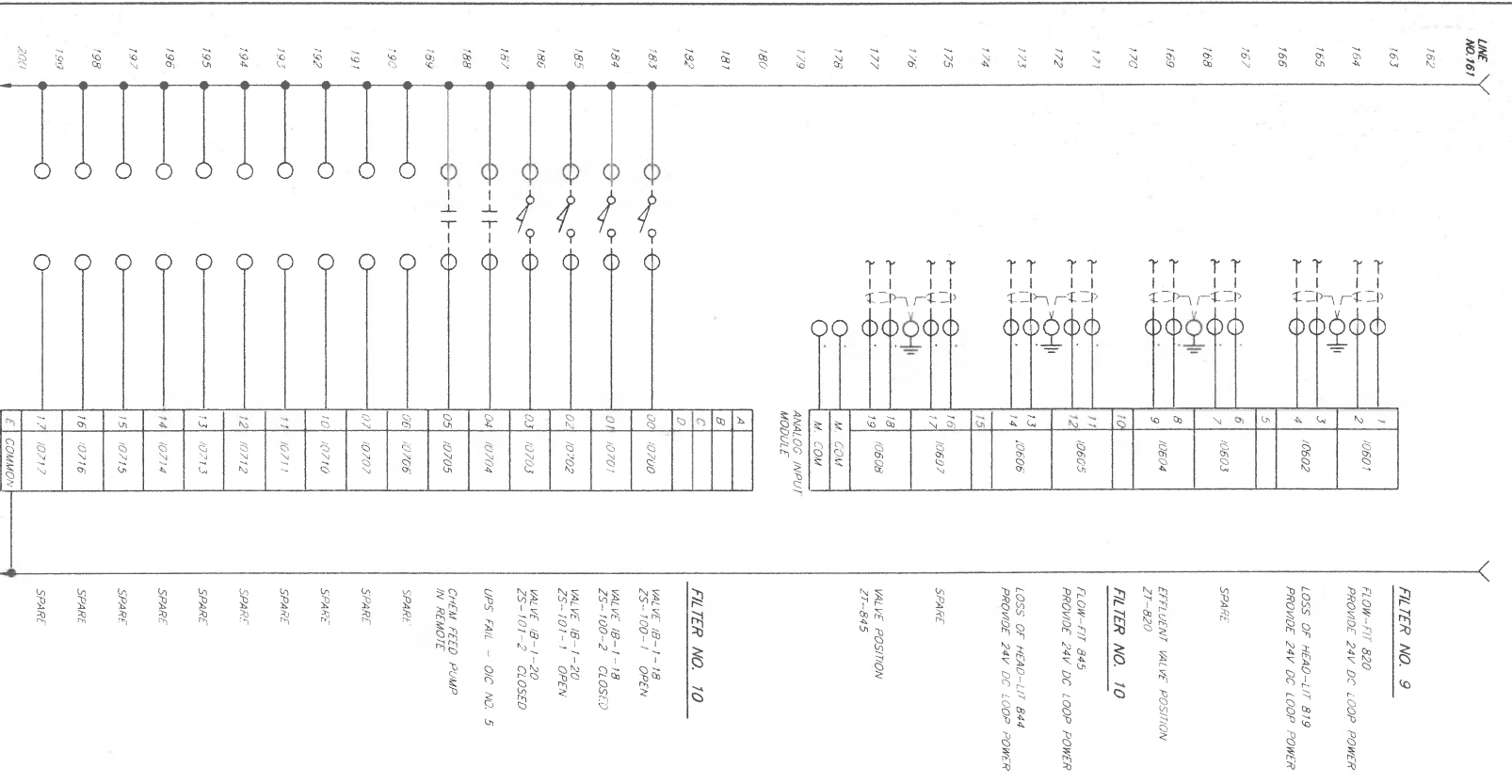
INSTRUMENTATION

FPP-C I/O RACK 0

0106.059-S-1

1-27

of 32



FILTER NO. 9

202	VALVE-B-1-17
203	VALVE-B-1-18
204	VALVE-B-1-19
205	VALVE-B-1-20
206	VALVE-B-1-21
207	VALVE-B-1-22
208	VALVE-B-1-23
209	VALVE-B-1-24
210	VALVE-B-1-25
211	VALVE-B-1-26
212	VALVE-B-1-27
213	VALVE-B-1-28
214	VALVE-B-1-29
215	VALVE-B-1-30
216	VALVE-B-1-31
217	VALVE-B-1-32
218	VALVE-B-1-33
219	VALVE-B-1-34
220	VALVE-B-1-35
221	VALVE-B-1-36
222	VALVE-B-1-37
223	VALVE-B-1-38
224	VALVE-B-1-39
225	VALVE-B-1-40
226	VALVE-B-1-41
227	VALVE-B-1-42
228	VALVE-B-1-43
229	VALVE-B-1-44
230	VALVE-B-1-45
231	VALVE-B-1-46
232	VALVE-B-1-47
233	VALVE-B-1-48
234	VALVE-B-1-49
235	VALVE-B-1-50
236	VALVE-B-1-51
237	VALVE-B-1-52
238	VALVE-B-1-53
239	VALVE-B-1-54
240	VALVE-B-1-55

FILTER NO. 10

242	CHEN FEED PUMP
243	CHEN FEED PUMP
244	CHEN FEED PUMP
245	CHEN FEED PUMP
246	CHEN FEED PUMP
247	CHEN FEED PUMP
248	CHEN FEED PUMP
249	CHEN FEED PUMP
250	CHEN FEED PUMP
251	CHEN FEED PUMP
252	CHEN FEED PUMP
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274	CHEN FEED PUMP
275	CHEN FEED PUMP
276	CHEN FEED PUMP
277	CHEN FEED PUMP
278	CHEN FEED PUMP
279	CHEN FEED PUMP
280	CHEN FEED PUMP

Ann Arbor, Michigan
 Eastern, Michigan
 Eastern, Michigan
 Eastern, Michigan
 Eastern, Michigan

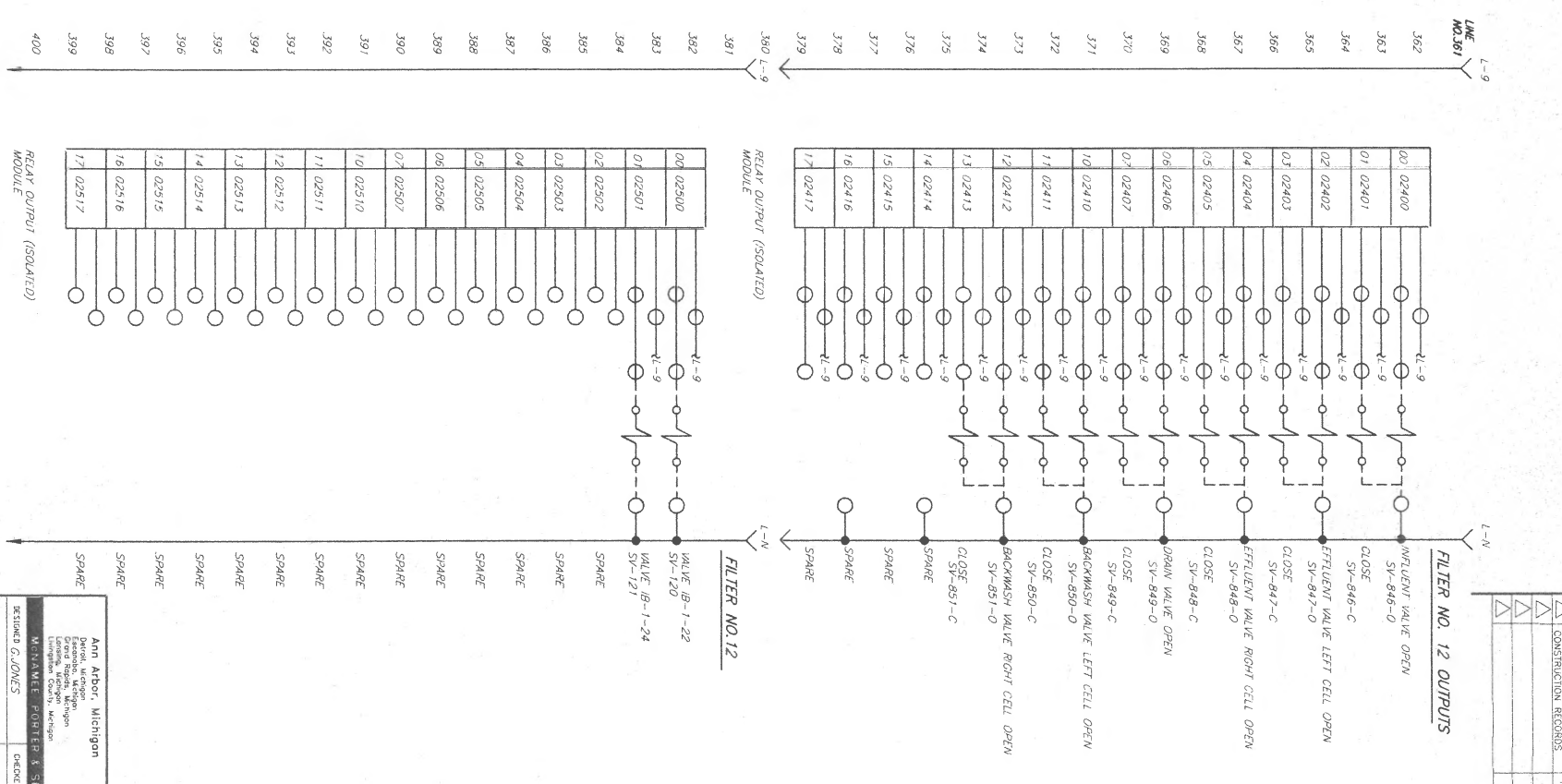
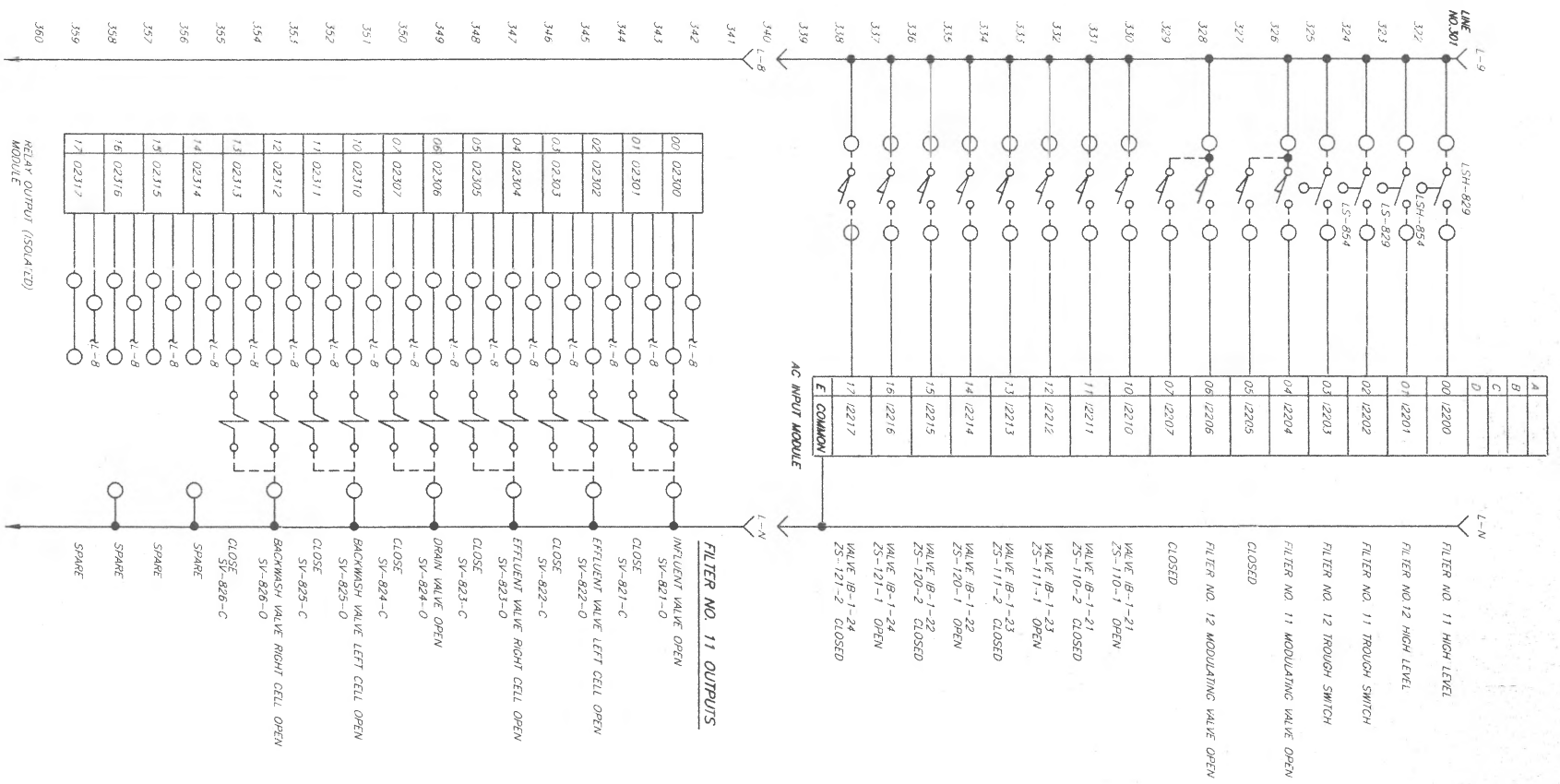
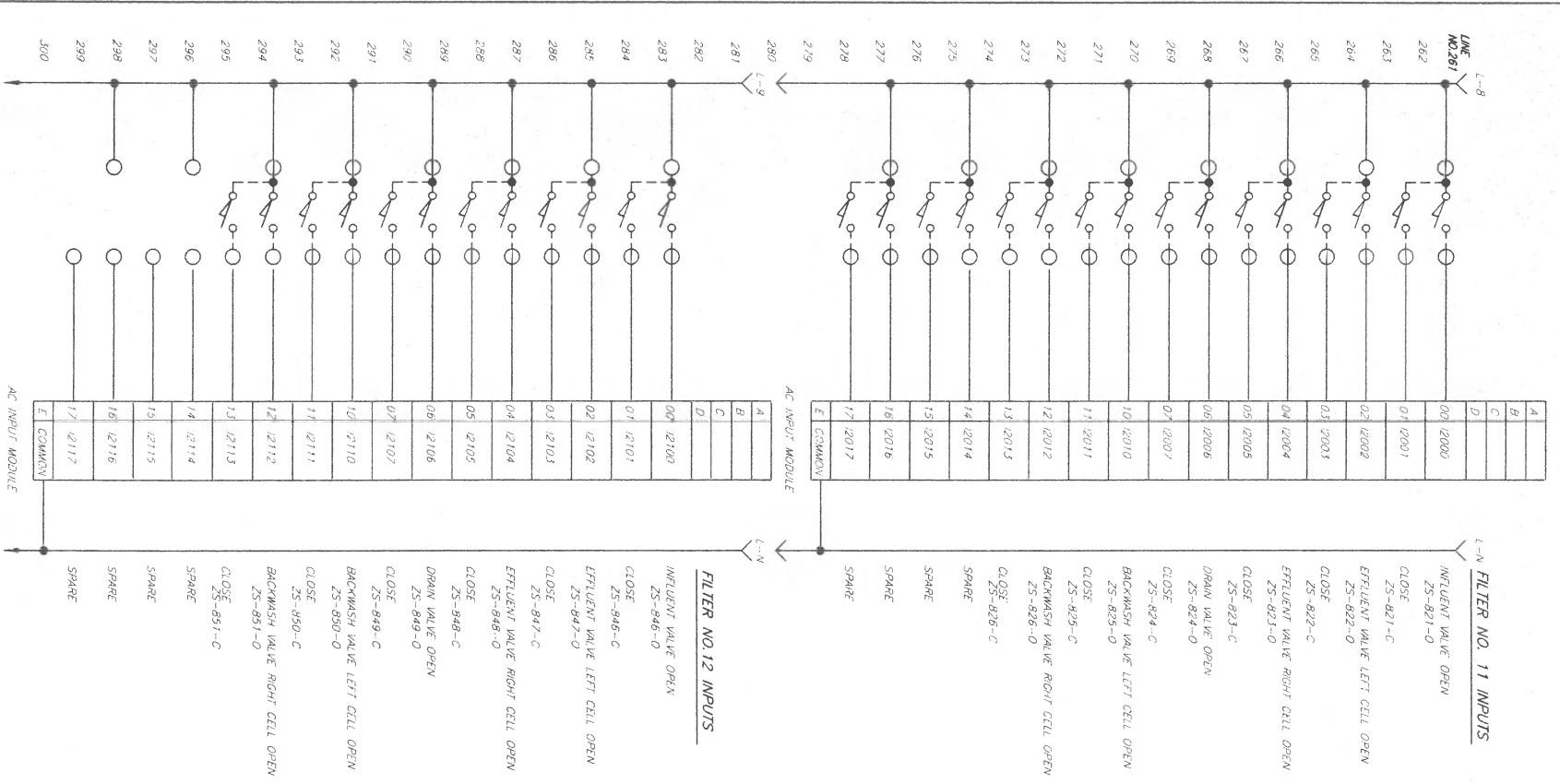
W. NAME FILTER & STEEL INC.
 10000 W. NAME FILTER & STEEL INC.
 10000 W. NAME FILTER & STEEL INC.
 10000 W. NAME FILTER & STEEL INC.

DATE: 01/10/98 (08/98) (10/98) (01/99)
SCALE: NONE
DESIGNER: G. ADAMS
CHECKED: T. BRYER
DATE: 11/16/99 5:45

PROJECT: GTR OF ANN ARBOR, MICHIGAN
 TERTIARY FILTER RENOVATIONS

INSTRUMENTATION
FPP-C
I/O
RACK 0, RACK 1

DIVISION: 0106.059-S-1
SHEET: I-28
 of 37



Ann Arbor, Michigan
 Special Metering
 George J. Porter & Steele, Inc.
 William J. Porter, Manager
 William J. Porter & Steele, Inc.
 10000 Westland
 Westland, Michigan 48186
 PHONE (313) 487-1100
 FAX (313) 487-1101
 WWW.GEORGEJPORTER.COM

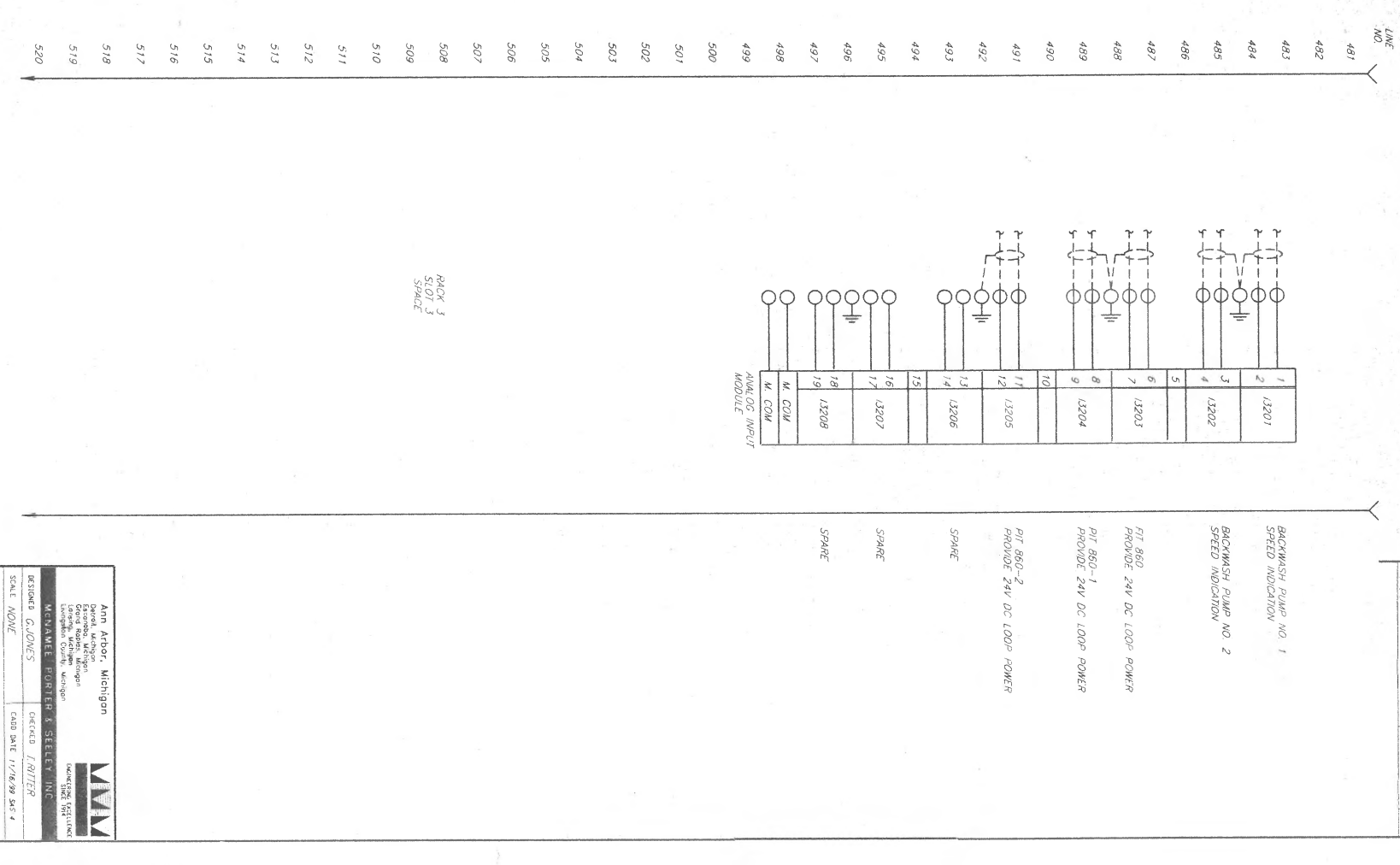
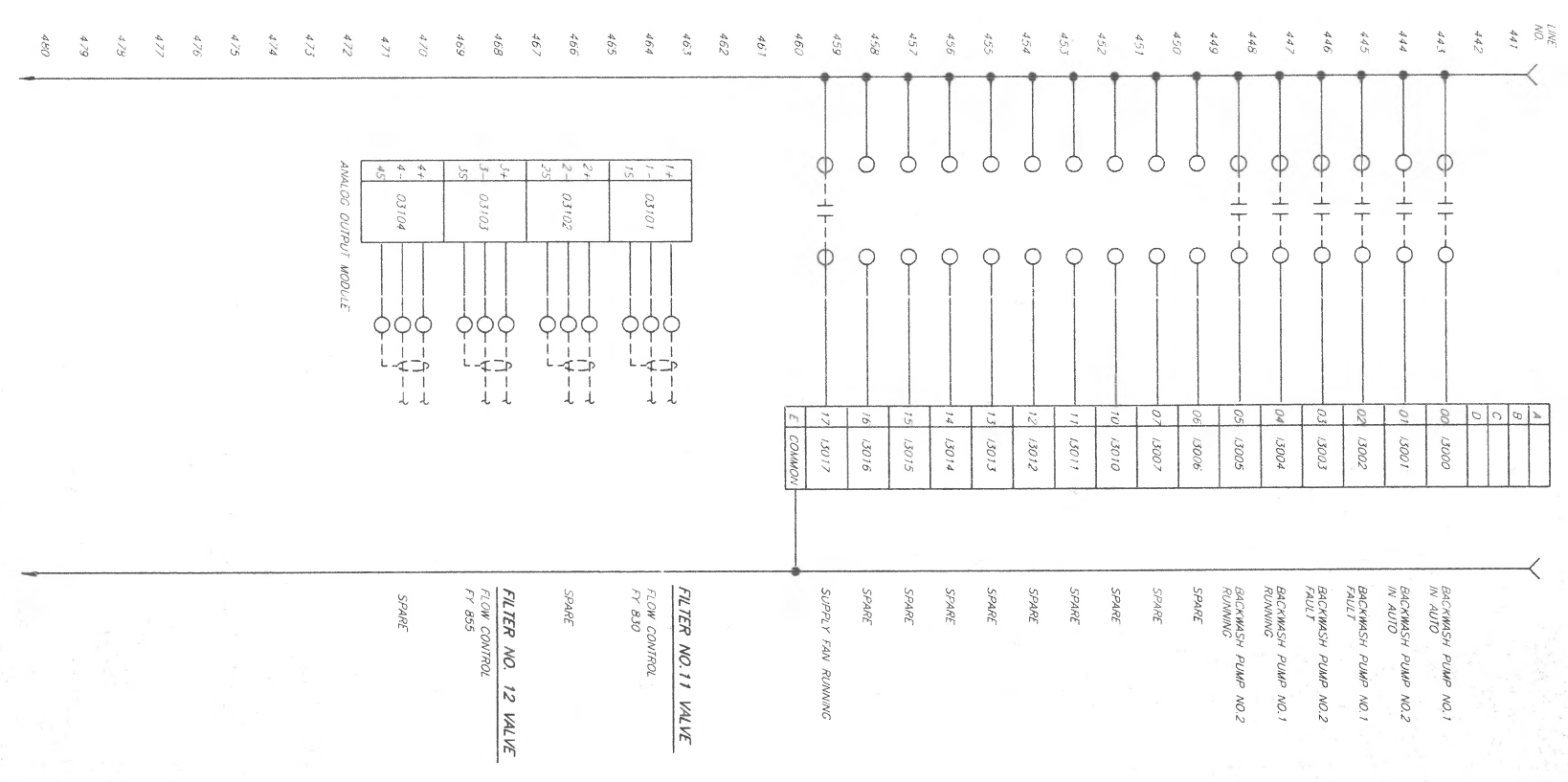
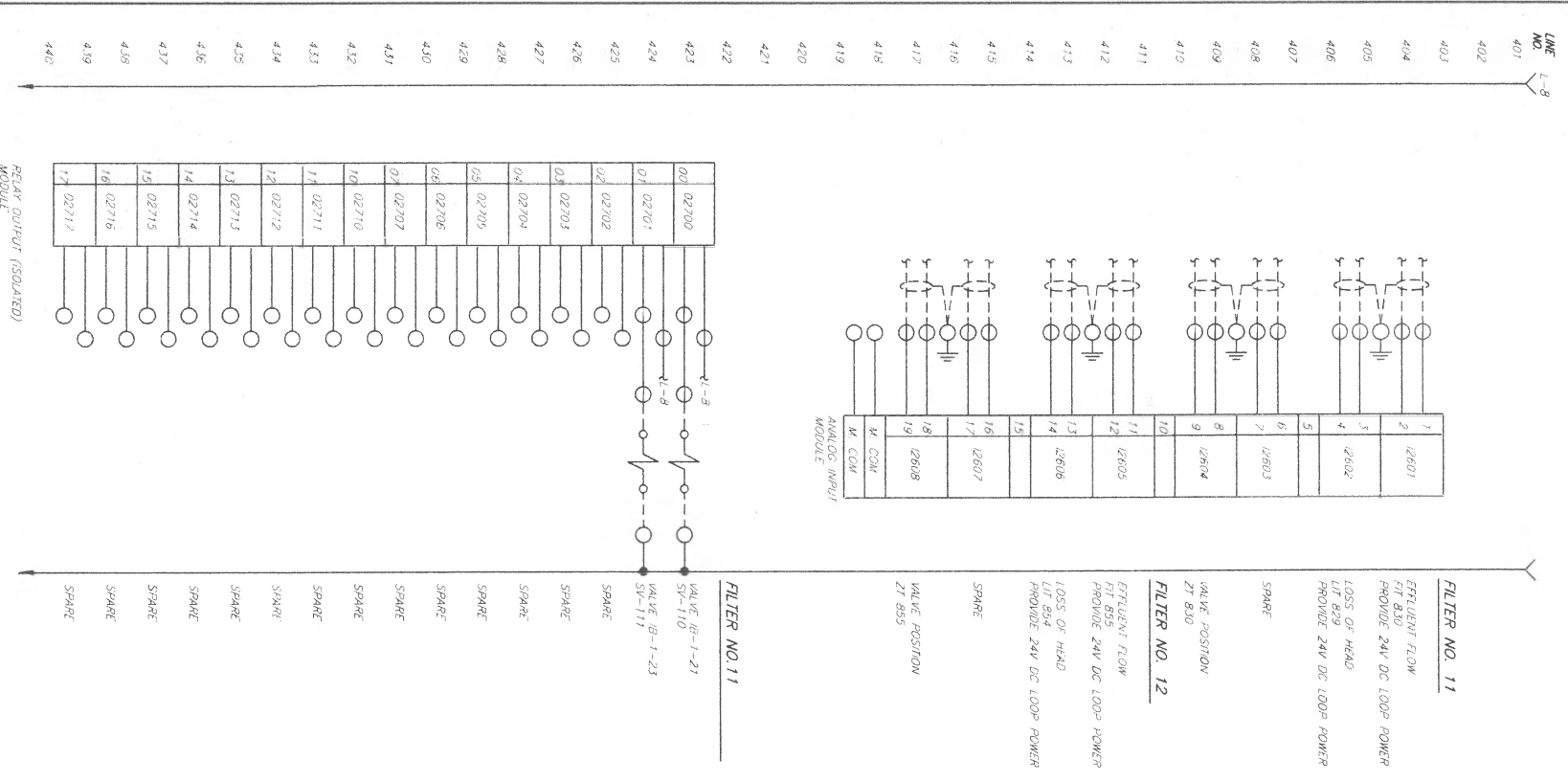
WILLIAM J. PORTER & STEELE, INC.

RENDERED BY: GEORGE J. PORTER
 SCALE: NONE
 PART: 011061059-5-1

CITY OF ANN ARBOR, MICHIGAN
 WASTEWATER TREATMENT PLANT
 WESTWATER FILTER RECONSTRUCTION

INSTRUMENTATION
 FPP-C
 1/0
 RACK 2

0106.059-5-1
 SHEET 1-29
 OF 32



Ann Arbor, Michigan
 Control Systems Division
 2000 West Washtenaw Avenue
 East Lansing, Michigan 48824
 Telephone: (517) 335-1000
 Telefax: (517) 335-1001
 Telex: 250000
 Website: www.water.com

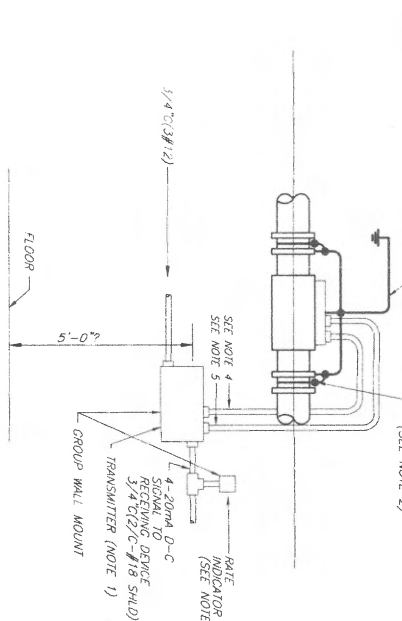
INSTRUMENTATION

FPP-C
 I/O

RACK 2, RACK3

DIVISION CONTRACT SHEET
 0106-059-S-1 I-30

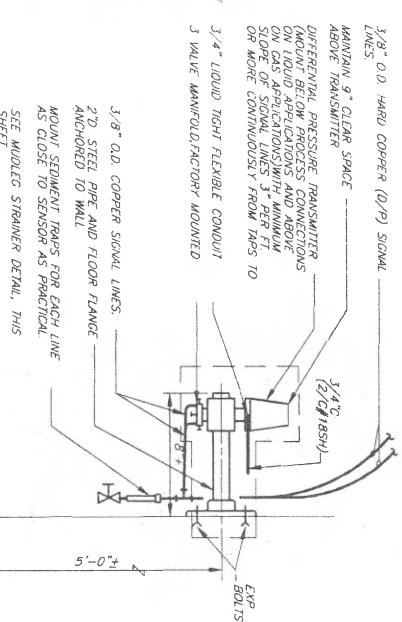
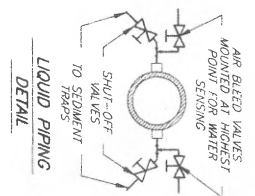
ELECTRICAL TO PROVIDE GROUND
CONNECTION TO MAIN ELECTRICAL
PIPE WITH 1/4" WIDE BRAIDED WIRE



- NOTES:
1. LOCATION FOR TRANSMITTERS NOT IDEALLY MOUNTED ON THE FLOW METER
 2. GROUND METER AS INSTRUCTED BY THE VENDOR
 3. INSTALL SEPARATELY MOUNTED INDICATOR, NOT REQUIRED ON INDICATING WALL MOUNTED TRANSMITTERS
 4. POWER WIRING, 3/4" (Ø) (1/2") OR AS SUPPLIED BY MANUFACTURER
 5. SIGNAL WIRING, 3/4" (Ø) (C-#18SHD) OR AS SUPPLIED BY MANUFACTURER

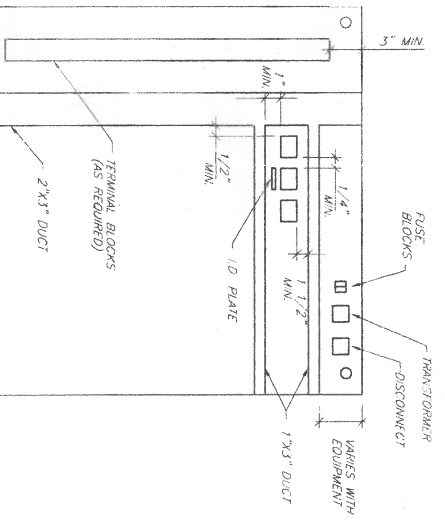
MAGNETIC FLOW METER INSTALLATION

SEE DEVICE BOX CONDUIT DETAIL FOR INSTALLATION
NO SCALE



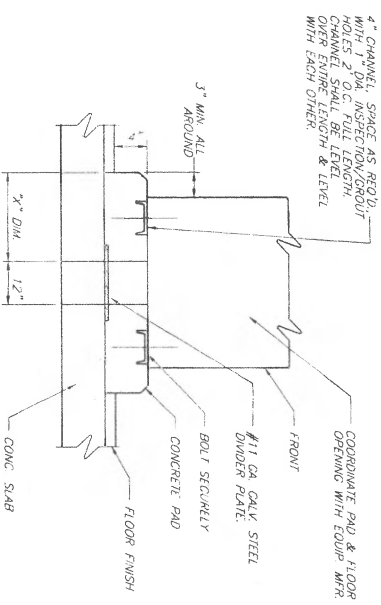
**DIFFERENTIAL PRESSURE ELEMENT
INSTALLATION DETAIL**

LIQUID SENSING INSTALLATION DETAIL
SEE DEVICE BOX CONDUIT DETAIL FOR INSTALLATION
NO SCALE



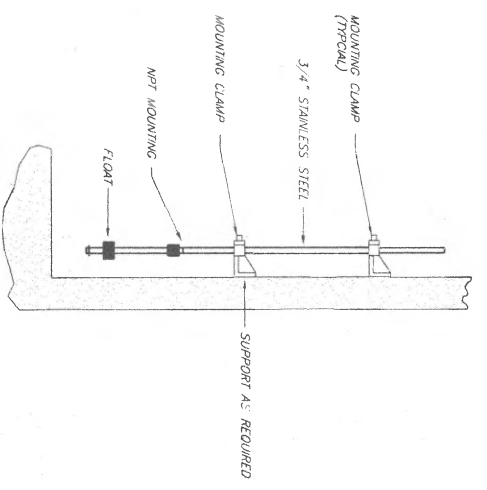
SUBPLATE DETAIL

NO SCALE



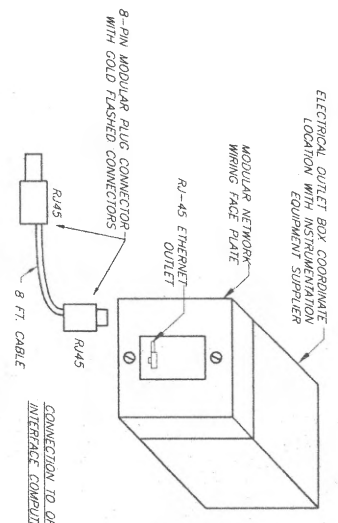
CONTROL PANEL MOUNTING DETAIL

FOR FREE STANDING PANELS AND CONSOLES
NO SCALE



ROD TYPE FLOAT SWITCH

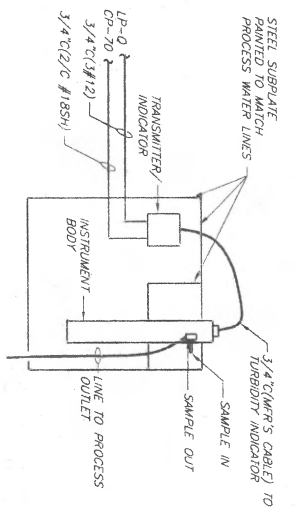
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-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



TYPICAL NETWORK OUTLET

NO SCALE

OIC NO. 1, 2, 3, 4, 5, 6,
NETWORK COLOR PRINTER



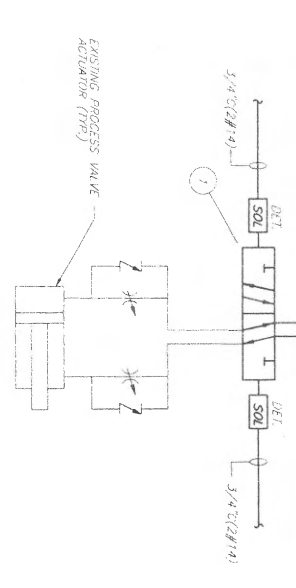
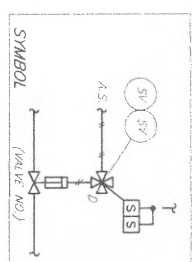
**TURBIDITY METER
DETAIL**

10

SEE SHEET M-3 FOR INSTALLATION DETAILS

Ann Arbor, Michigan
 DESIGNER: [Signature]
 CHECKED: FARTHER
 DATE: 11/16/98
 SCALE: AS SHOWN
 PART: 0106/059-5-1
 INSTRUMENTATION
 DETAILS
 SHEET 1-31 OF 32
 0106/059-5-1

NO. 1	REVISION	DATE	BY
1	ISSUED FOR R.O.S.	06/97	MBP
2	APPENDIX NO. 1	07/97	
3	CONFORMING TO	11/99	
4	CONSTRUCTION RECORDS		



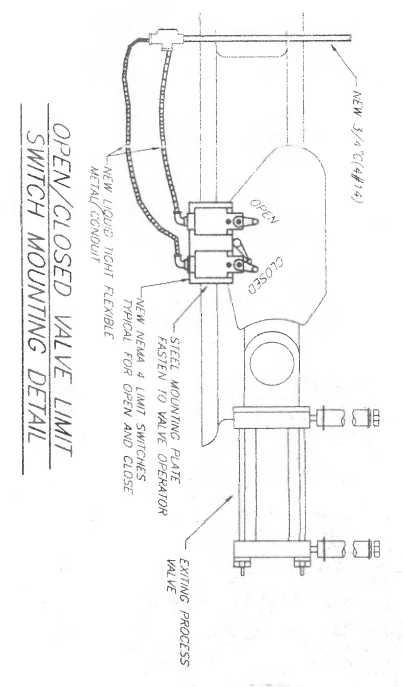
ITEM:
1 4-WAY SOLENOID OPERATED DETENTED VALVE

4-WAY DETENTED SOLENOID VALVE
MANIFOLD STYLE REQUIRED

NO SCALE

SV 711	SV 712	SV 713	SV 714	SV 715	SV 716	SV 717	SV 718	SV 719	SV 720	SV 721	SV 722	SV 723
SV 724	SV 725	SV 726	SV 727	SV 728	SV 729	SV 730	SV 731	SV 732	SV 733	SV 734	SV 735	SV 736
SV 737	SV 738	SV 739	SV 740	SV 741	SV 742	SV 743	SV 744	SV 745	SV 746	SV 747	SV 748	SV 749
SV 750	SV 751	SV 752	SV 753	SV 754	SV 755	SV 756	SV 757	SV 758	SV 759	SV 760	SV 761	SV 762
SV 763	SV 764	SV 765	SV 766	SV 767	SV 768	SV 769	SV 770	SV 771	SV 772	SV 773	SV 774	SV 775
SV 776	SV 777	SV 778	SV 779	SV 780	SV 781	SV 782	SV 783	SV 784	SV 785	SV 786	SV 787	SV 788
SV 789	SV 790	SV 791	SV 792	SV 793	SV 794	SV 795	SV 796	SV 797	SV 798	SV 799	SV 800	SV 801
SV 802	SV 803	SV 804	SV 805	SV 806	SV 807	SV 808	SV 809	SV 810	SV 811	SV 812	SV 813	SV 814
SV 815	SV 816	SV 817	SV 818	SV 819	SV 820	SV 821	SV 822	SV 823	SV 824	SV 825	SV 826	SV 827
SV 828	SV 829	SV 830	SV 831	SV 832	SV 833	SV 834	SV 835	SV 836	SV 837	SV 838	SV 839	SV 840
SV 841	SV 842	SV 843	SV 844	SV 845	SV 846	SV 847	SV 848	SV 849	SV 850	SV 851	SV 852	SV 853

SOLENOID VALVES ARE OPEN AND ONE CLOSED VALVE FOR EACH SOLENOID VALVE TAG LISTED REFER TO SHEET

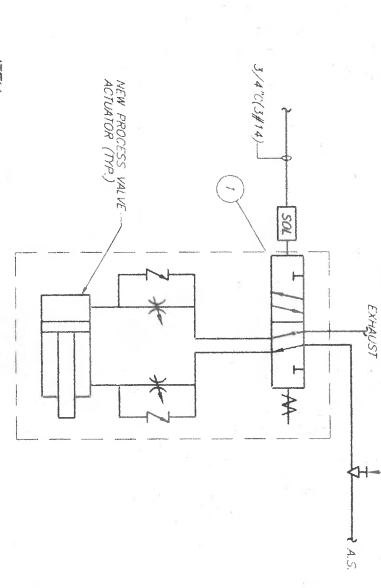
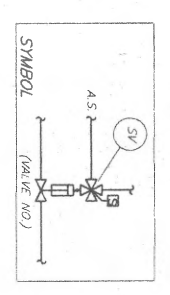


OPEN/CLOSED VALVE LIMIT SWITCH MOUNTING DETAIL

NO SCALE

SV 724	SV 725	SV 726	SV 727	SV 728	SV 729	SV 730	SV 731	SV 732	SV 733	SV 734	SV 735	SV 736
SV 737	SV 738	SV 739	SV 740	SV 741	SV 742	SV 743	SV 744	SV 745	SV 746	SV 747	SV 748	SV 749
SV 750	SV 751	SV 752	SV 753	SV 754	SV 755	SV 756	SV 757	SV 758	SV 759	SV 760	SV 761	SV 762
SV 763	SV 764	SV 765	SV 766	SV 767	SV 768	SV 769	SV 770	SV 771	SV 772	SV 773	SV 774	SV 775
SV 776	SV 777	SV 778	SV 779	SV 780	SV 781	SV 782	SV 783	SV 784	SV 785	SV 786	SV 787	SV 788
SV 789	SV 790	SV 791	SV 792	SV 793	SV 794	SV 795	SV 796	SV 797	SV 798	SV 799	SV 800	SV 801
SV 802	SV 803	SV 804	SV 805	SV 806	SV 807	SV 808	SV 809	SV 810	SV 811	SV 812	SV 813	SV 814
SV 815	SV 816	SV 817	SV 818	SV 819	SV 820	SV 821	SV 822	SV 823	SV 824	SV 825	SV 826	SV 827
SV 828	SV 829	SV 830	SV 831	SV 832	SV 833	SV 834	SV 835	SV 836	SV 837	SV 838	SV 839	SV 840
SV 841	SV 842	SV 843	SV 844	SV 845	SV 846	SV 847	SV 848	SV 849	SV 850	SV 851	SV 852	SV 853

LIMIT SWITCH TAGS SHOWN ARE TYPICAL FOR ONE OPEN AND ONE CLOSED LIMIT SWITCH PER TAG NUMBER. SEE SHEET 1-14



ITEM:
1 4-WAY SOLENOID OPERATED-SPRING RETURN VALVE

4-WAY SPRING RETURN SOLENOID VALVE

NO SCALE

SEE DETAIL AT LEFT FOR NEW LIMIT SWITCHES AND MOUNTING INFORMATION (TYPICAL OF 24 VALVES)

SV 70	SV 71	SV 72	SV 73	SV 74	SV 75	SV 76	SV 77	SV 78	SV 79	SV 80	SV 81	SV 82
SV 83	SV 84	SV 85	SV 86	SV 87	SV 88	SV 89	SV 90	SV 91	SV 92	SV 93	SV 94	SV 95
SV 96	SV 97	SV 98	SV 99	SV 100	SV 101	SV 102	SV 103	SV 104	SV 105	SV 106	SV 107	SV 108
SV 109	SV 110	SV 111	SV 112	SV 113	SV 114	SV 115	SV 116	SV 117	SV 118	SV 119	SV 120	SV 121

WICKIREE
MANUFACTURING DIVISION

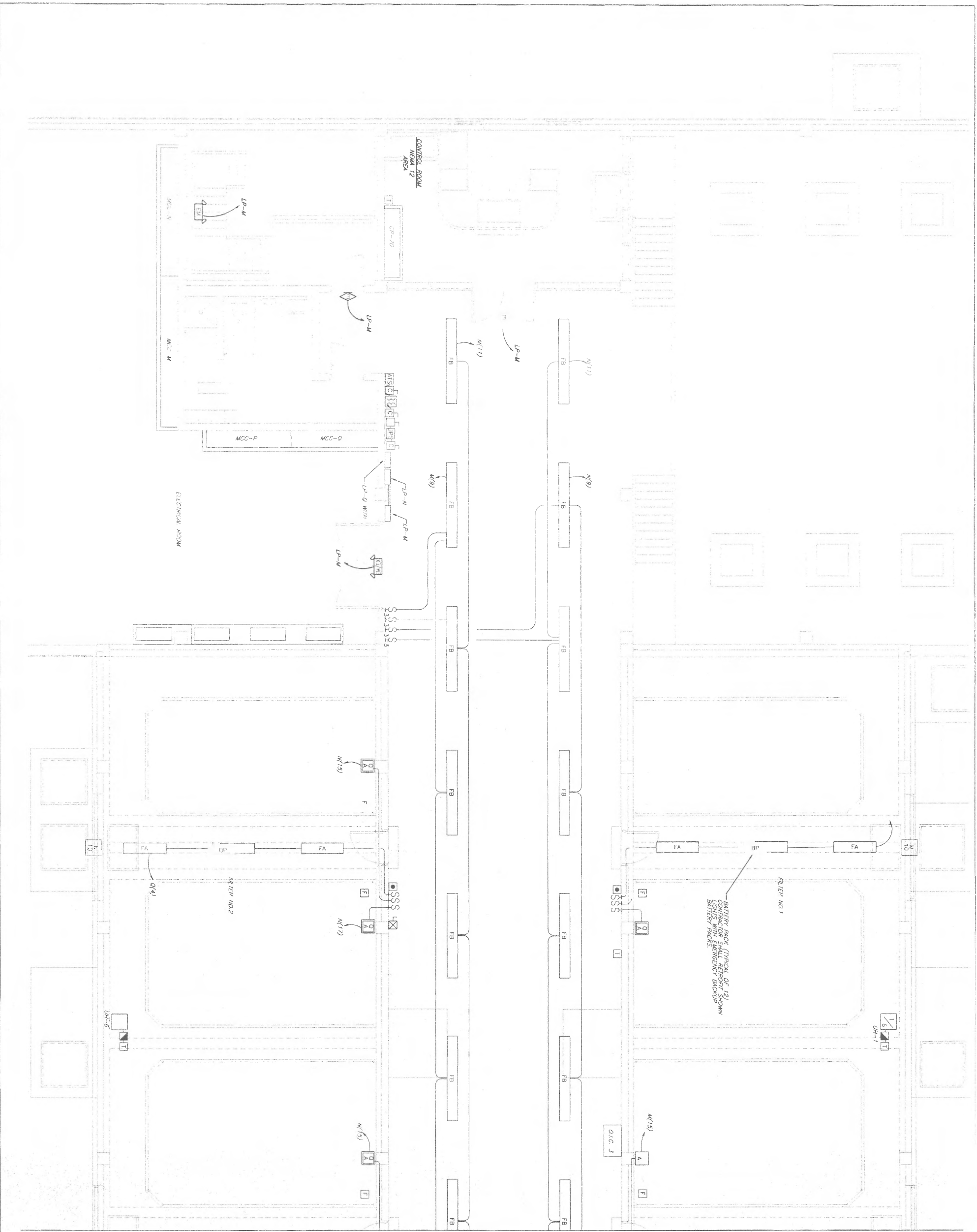
Ann Arbor, Michigan
Canton, Michigan
Livonia, Michigan
Farmington Hills, Michigan
Westland, Michigan

WICKIREE PORTER & STEEL, INC.
ORDER / TRIGGER
CADD DATE 11/18/99 SW 4

CITY OF ANN ARBOR, MICHIGAN
WATERWAYS TREATMENT PLANT
TERTIARY FILTER RENOVATIONS

INSTRUMENTATION
DETAILS

DRAWN: **0106.059-S-1**
PART: **1-32**
OF: **32**



MATCHLINE E-2



NO.	DESCRIPTION	BY	DATE	REVISION
1	ISSUED FOR BIDS	ABF	06/97	
2	ADDITIONAL NO. 1	ABF	07/97	
3	CONFORMING TO	TLF	11/99	
4	CONSTRUCTION RECORDS			

Ann Arbor, Michigan
 General Electric
 David R. Smith, Michigan
 Lansing, Michigan
 McNAMEE PORTER & STEELE, INC.
 1000 S. ZEEB RD.
 ANN ARBOR, MI 48106-1500
 PHONE: 734.963.4000
 FAX: 734.963.4001

DATE: 1/17/99
 SHEET: 2 OF 2

DESIGNED BY: GCL/MLW
 CHECKED BY: TSB/TFP

SCALE: 1/4" = 1'-0"

PROJECT: WEST OPERATING FLOOR
 EMERGENCY/EXIT LIGHTING

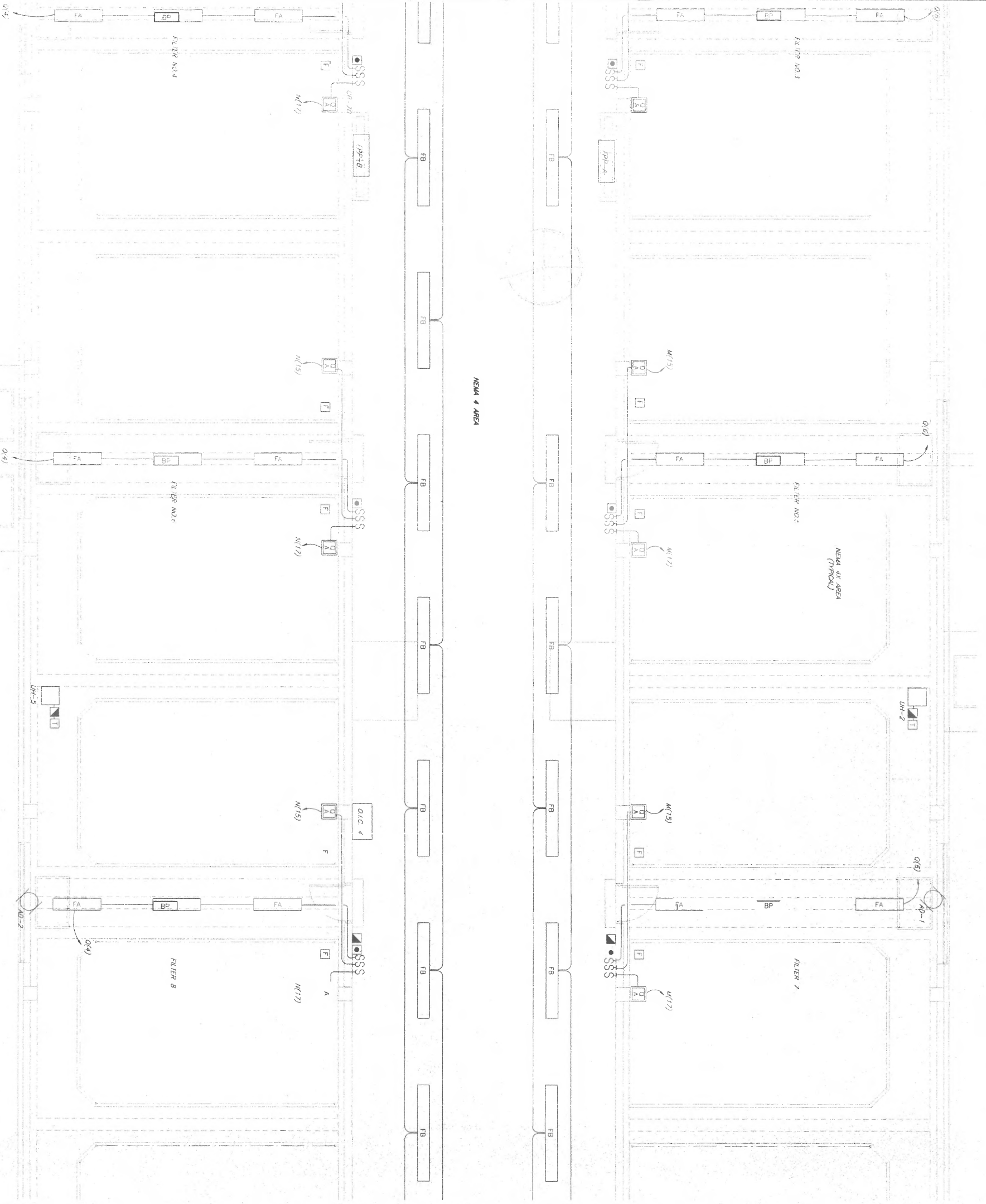
DIVISION: 0106.059-S-1
 SHEET: 1 OF 1

WEST OPERATING FLOOR
 EMERGENCY/EXIT LIGHTING
 ELECTRICAL

MATCHLINE E-1

NEW 4 AREA

MATCHLINE E-3



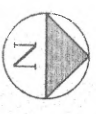
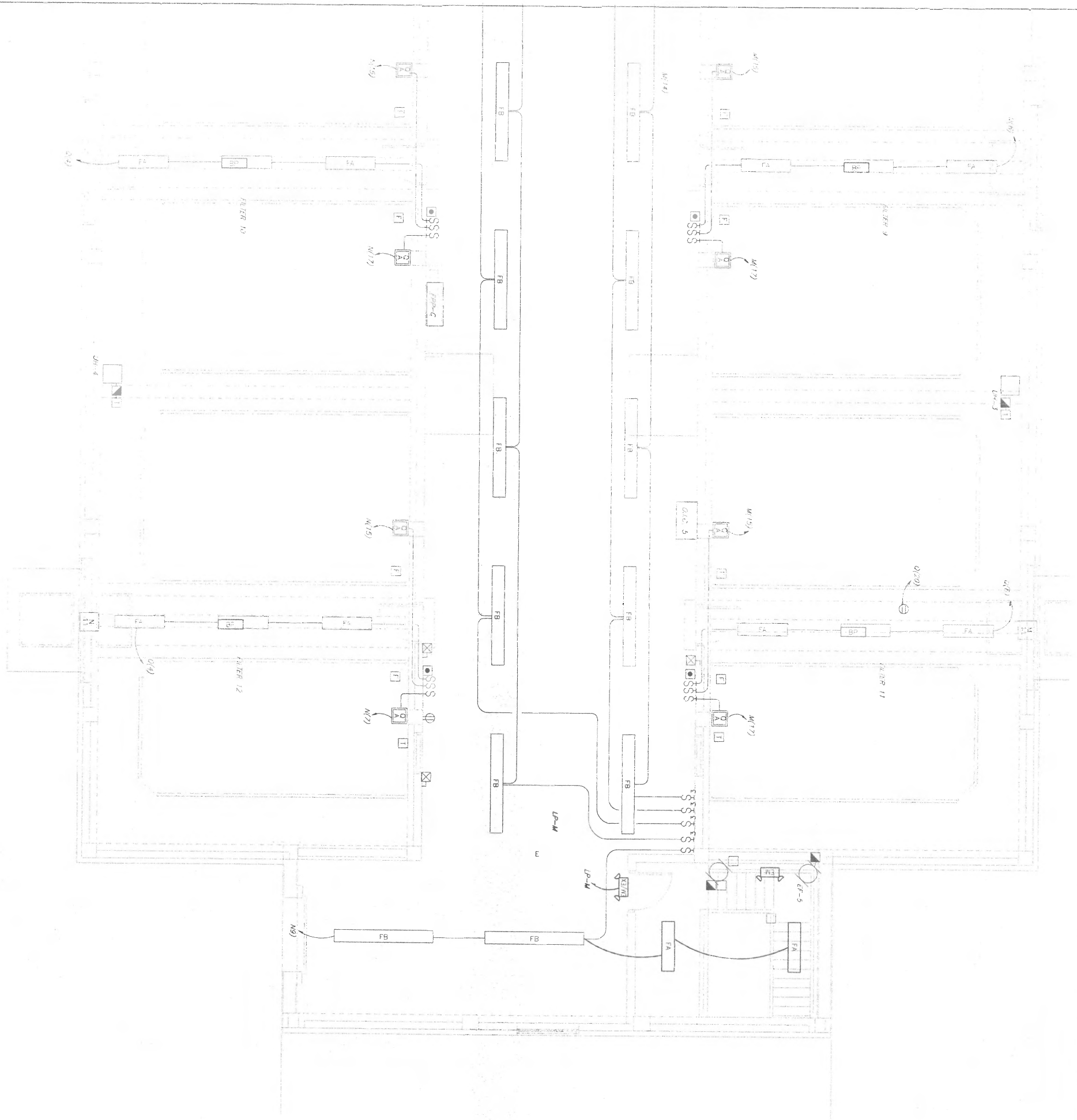
REV	DESCRIPTION	BY	DATE
1	ISSUED FOR BIDS	ABP	05/17
2	ADDITIONAL NO. 1	ABP	07/97
3	CONSTRUCTION RECORDS	TLE	11/98



Ann Arbor, Michigan
 David J. ...
 General Reg. No. ...
 License No. ...
 MCNAMEE, FORER & STEELY, INC.
 ENGINEERS ARCHITECTS
 1500 ...
 ANN ARBOR, MICHIGAN 48106-1500
 PHONE: (313) 963-1100
 FAX: (313) 963-1101
 WWW.MCNAMEE.COM

CENTRAL OPERATING FLOOR
 EMERGENCY/EXIT LIGHTING
 ELECTRICAL
 SHEET NO. 2
 CONTRACT NO. 0106.059-S-1

MATCHLINE E-2



NO.	DATE/REVISION	BY	CHK	DATE
1	ISSUED FOR BIDS	MB	MB	06/01
2	ADDED ROOM NO. 7			07/97
3	CONVERTED TO REGIONS			11/99
4	SPIN THROUGH REGIONS			

**EAST OPERATING FLOOR
EMERGENCY/EXIT LIGHTING**

DESIGNED BY: **0106.059-S-1**

SHEET: **3**

Ann Arbor, Michigan
General, Michigan
Grand Rapids, Michigan
Livonia, Michigan
Farmington Hills, Michigan

McNAMEE ROEHL & SELLER, INC.
CONSULTING ELECTRICAL ENGINEERS

DESIGNED BY: **MCN**

REVISION: **001/AM** CHECKED: **JA/ITER**
SCALE: **1/4" = 1'-0"** CAB DATE: **11/17/99 S&J**

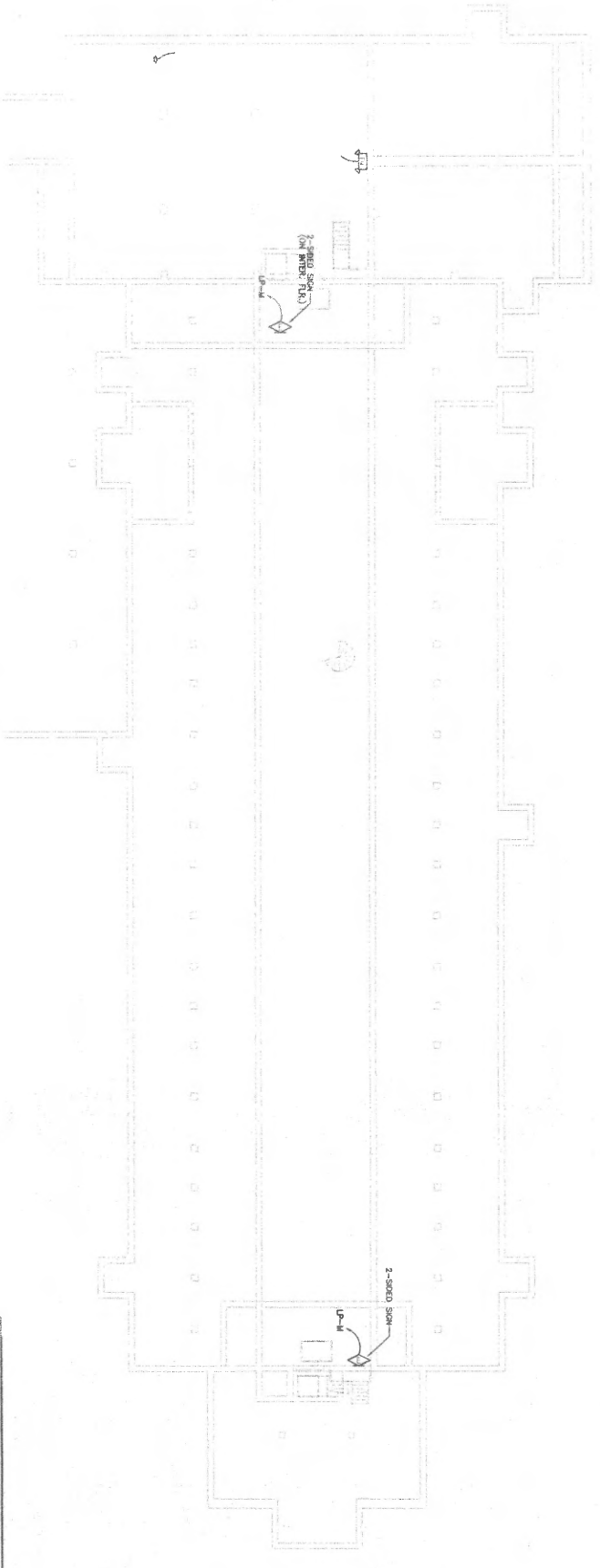
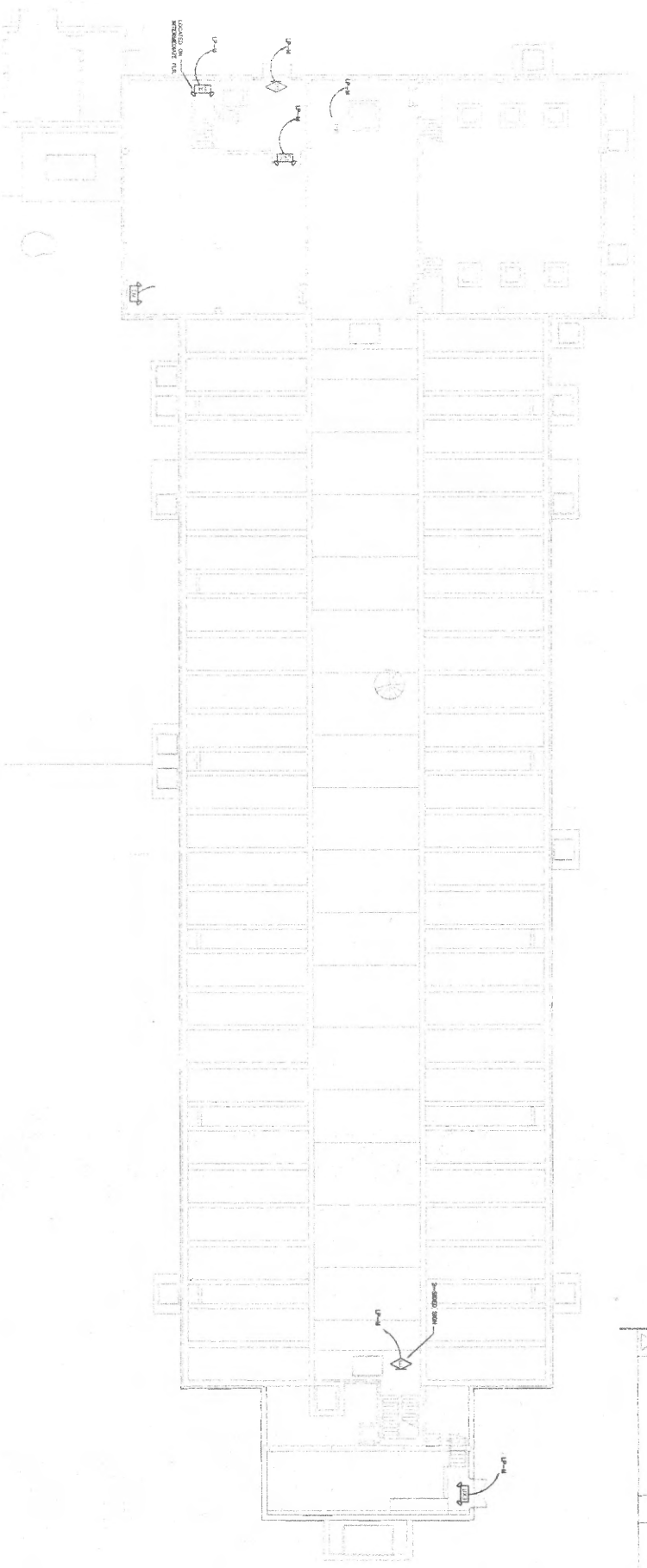
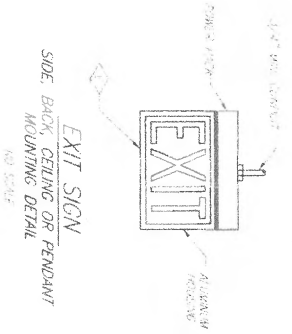
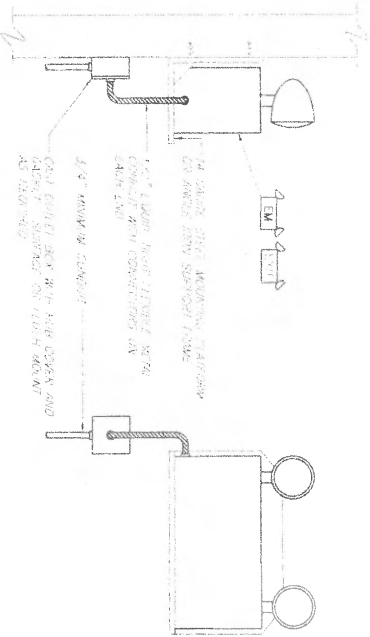
PROJECT: **0106059 (06/01/97) (01/99)**

**CITY OF ANN ARBOR, MICHIGAN
MASTERMINT TREATMENT PLANT
TREATMENT FILTER RENOVATIONS**

ELECTRICAL

LUMINAIRE SCHEDULE

SYMBOL	DESCRIPTION	MOUNTING	LUMENS		MANUFACTURERS (OR EQUAL)		
			NO.	WATTAGE		TYPE	NAME
	RECESSED, DOWN LIGHT, 4" DIA. HOUSING, 3" LED LUMENS, 1500 LUMENS, 120V, 15W	RECESSED	4	15	RECESSED	4" DIA. HOUSING, 3" LED LUMENS, 1500 LUMENS, 120V, 15W	4" DIA. HOUSING, 3" LED LUMENS, 1500 LUMENS, 120V, 15W
	EMERGENCY LIGHT, 2" DIA. HOUSING, 1" LED LUMENS, 1500 LUMENS, 120V, 15W	RECESSED	2	15	EMERGENCY LIGHT	2" DIA. HOUSING, 1" LED LUMENS, 1500 LUMENS, 120V, 15W	2" DIA. HOUSING, 1" LED LUMENS, 1500 LUMENS, 120V, 15W
	EXIT SIGN, 12" x 6" SIGN, 120V, 10W	RECESSED	2	10	EXIT SIGN	12" x 6" SIGN, 120V, 10W	12" x 6" SIGN, 120V, 10W



NO.	DATE	BY	APP.
1	01/10/08	WJS	WJS
2	02/15/08	WJS	WJS
3	03/10/08	WJS	WJS
4	04/10/08	WJS	WJS

PARTIAL BASEMENT FLOOR PLAN
1/16"=1'-0"

GROUND FLOOR PLAN
1/16"=1'-0"

ANN ARBOR, MICHIGAN 1100 WEST ANN ARBOR, MICHIGAN 48106-1500		WILKINS, PARTER & STEELY, INC. 12345 MAIN STREET ANN ARBOR, MICHIGAN 48106-1500	
PROJECT	WATER TREATMENT PLANT RENOVATIONS	DRAWING NO.	ELECTRICAL
DATE	10/10/08	SCALE	AS SHOWN
DESIGNED BY	WJS	CHECKED BY	WJS
DRAWN BY	WJS	DATE PLOTTED	10/10/08
CHECKED BY	WJS	PROJECT NO.	0106.059-S-1
DATE PLOTTED	10/10/08	SHEET NO.	4

Sample ID	Location description	Collection Date/Time	Submit Date/Time	PS_GROUP
AG27493	Final Effluent	1/1/2020 8:48	1/1/2020 7:00	Test 6 Sat
AG27658	Final Effluent	1/1/2020 23:59	1/1/2020 23:59	Test 4 Thur
AG27774	Final Effluent	1/2/2020 8:21	1/2/2020 7:00	Test 6 Sat
AG27938	Final Effluent	1/2/2020 23:59	1/2/2020 23:59	Test 5 Fri
AG28035	Final Effluent	1/3/2020 7:52	1/3/2020 7:00	Test 6 Sat
AG28212	Final Effluent	1/3/2020 23:59	1/3/2020 23:59	TEST 6 Sat
AG28306	Final Effluent	1/4/2020 8:57	1/4/2020 7:00	Test 6 Sat
AG28471	Final Effluent	1/4/2020 23:59	1/4/2020 23:59	TEST 7 Sun
AG28565	Final Effluent	1/5/2020 8:48	1/5/2020 7:00	Test 6 Sat
AG28729	Final Effluent	1/5/2020 23:59	1/5/2020 23:59	Test 1 Mon
AG28845	Final Effluent	1/6/2020 8:02	1/6/2020 7:00	Test 6 Sat
AG29028	Final Effluent	1/6/2020 23:59	1/6/2020 23:59	Test 2 Tues
AG29144	Final Effluent	1/7/2020 7:54	1/7/2020 7:00	Test 6 Sat
AG29334	Final Effluent	1/7/2020 23:59	1/7/2020 23:59	Test 3 Wed
AG29450	Final Effluent	1/8/2020 8:22	1/8/2020 7:00	Test 6 Sat
AG29645	Final Effluent	1/8/2020 23:59	1/8/2020 23:59	Test 4 Thur
AG29761	Final Effluent	1/9/2020 8:04	1/9/2020 7:00	Test 6 Sat
AG29925	Final Effluent	1/9/2020 23:59	1/9/2020 23:59	Test 5 Fri
AG30039	Final Effluent	1/10/2020 8:04	1/10/2020 7:00	Test 6 Sat
AG30216	Final Effluent	1/10/2020 23:59	1/10/2020 23:59	TEST 6 Sat
AG30310	Final Effluent	1/11/2020 7:58	1/11/2020 7:00	Test 6 Sat
AG30474	Final Effluent	1/11/2020 23:59	1/11/2020 23:59	TEST 7 Sun
AG30568	Final Effluent	1/12/2020 8:15	1/12/2020 7:00	Test 6 Sat
AG30732	Final Effluent	1/12/2020 23:59	1/12/2020 23:59	Test 1 Mon
AG30848	Final Effluent	1/13/2020 8:02	1/13/2020 7:00	Test 6 Sat
AG31018	Final Effluent	1/13/2020 23:59	1/13/2020 23:59	Test 2 Tues
AG31134	Final Effluent	1/14/2020 8:14	1/14/2020 7:00	Test 6 Sat
AG31309	Final Effluent	1/14/2020 23:59	1/14/2020 23:59	Test 3 Wed
AG31425	Final Effluent	1/15/2020 8:25	1/15/2020 7:00	Test 6 Sat
AG31610	Final Effluent	1/15/2020 23:59	1/15/2020 23:59	Test 4 Thur
AG31734	Final Effluent	1/16/2020 8:05	1/16/2020 7:00	Test 6 Sat
AG31901	Final Effluent	1/16/2020 23:59	1/16/2020 23:59	Test 5 Fri
AG31998	Final Effluent	1/17/2020 8:01	1/17/2020 7:00	Test 6 Sat
AG32174	Final Effluent	1/17/2020 23:59	1/17/2020 23:59	TEST 6 Sat
AG32268	Final Effluent	1/18/2020 9:09	1/18/2020 7:00	Test 6 Sat
AG32432	Final Effluent	1/18/2020 23:59	1/18/2020 23:59	TEST 7 Sun
AG32526	Final Effluent	1/19/2020 9:20	1/19/2020 7:00	Test 6 Sat
AG32690	Final Effluent	1/19/2020 23:59	1/19/2020 23:59	Test 1 Mon
AG32803	Final Effluent	1/20/2020 7:59	1/20/2020 7:00	Test 6 Sat
AG32967	Final Effluent	1/20/2020 23:59	1/20/2020 23:59	Test 2 Tues
AG33080	Final Effluent	1/21/2020 7:59	1/21/2020 7:00	Test 6 Sat
AG33266	Final Effluent	1/21/2020 23:59	1/21/2020 23:59	Test 3 Wed
AG33390	Final Effluent	1/22/2020 8:11	1/22/2020 7:00	Test 6 Sat
AG33578	Final Effluent	1/22/2020 23:59	1/22/2020 23:59	Test 4 Thur
AG33678	Final Effluent	1/23/2020 8:07	1/23/2020 7:00	Test 6 Sat

AG33877	Final Effluent	1/23/2020 23:59	1/23/2020 23:59	Test 5 Fri
AG33984	Final Effluent	1/24/2020 8:04	1/24/2020 7:00	Test 6 Sat
AG34154	Final Effluent	1/24/2020 23:59	1/24/2020 23:59	TEST 6 Sat
AG34248	Final Effluent	1/25/2020 8:30	1/25/2020 7:00	Test 6 Sat
AG34412	Final Effluent	1/25/2020 23:59	1/25/2020 23:59	TEST 7 Sun
AG34506	Final Effluent	1/26/2020 8:28	1/26/2020 7:00	Test 6 Sat
AG34670	Final Effluent	1/26/2020 23:59	1/26/2020 23:59	Test 1 Mon
AG34786	Final Effluent	1/27/2020 8:10	1/27/2020 7:00	Test 6 Sat
AG34956	Final Effluent	1/27/2020 23:59	1/27/2020 23:59	Test 2 Tues
AG35065	Final Effluent	1/28/2020 7:55	1/28/2020 7:00	Test 6 Sat
AG35268	Final Effluent	1/28/2020 23:59	1/28/2020 23:59	Test 3 Wed
AG35384	Final Effluent	1/29/2020 8:03	1/29/2020 7:00	Test 6 Sat
AG35558	Final Effluent	1/29/2020 23:59	1/29/2020 23:59	Test 4 Thur
AG35674	Final Effluent	1/30/2020 8:11	1/30/2020 7:00	Test 6 Sat
AG35851	Final Effluent	1/30/2020 23:59	1/30/2020 23:59	Test 5 Fri
AG35957	Final Effluent	1/31/2020 8:14	1/31/2020 7:00	Test 6 Sat
AG36133	Final Effluent	1/31/2020 23:59	1/31/2020 23:59	TEST 6 Sat
AG36227	Final Effluent	2/1/2020 9:54	2/1/2020 7:00	Test 6 Sat
AG36384	Final Effluent	2/1/2020 23:59	2/1/2020 23:59	TEST 7 Sun
AG36486	Final Effluent	2/2/2020 9:45	2/2/2020 7:00	Test 6 Sat
AG36650	Final Effluent	2/2/2020 23:59	2/2/2020 23:59	Test 1 Mon
AG36766	Final Effluent	2/3/2020 8:06	2/3/2020 7:00	Test 6 Sat
AG36940	Final Effluent	2/3/2020 23:59	2/3/2020 23:59	Test 2 Tues
AG37056	Final Effluent	2/4/2020 8:25	2/4/2020 7:00	Test 6 Sat
AG37286	Final Effluent	2/4/2020 23:59	2/4/2020 23:59	Test 3 Wed
AG37391	Final Effluent	2/5/2020 8:05	2/5/2020 7:00	Test 6 Sat
AG37578	Final Effluent	2/5/2020 23:59	2/5/2020 23:59	Test 4 Thur
AG37691	Final Effluent	2/6/2020 8:08	2/6/2020 7:00	Test 6 Sat
AG37871	Final Effluent	2/6/2020 23:59	2/6/2020 23:59	Test 5 Fri
AG37978	Final Effluent	2/7/2020 8:16	2/7/2020 7:00	Test 6 Sat
AG38151	Final Effluent	2/7/2020 23:59	2/7/2020 23:59	TEST 6 Sat
AG38246	Final Effluent	2/8/2020 8:10	2/8/2020 7:00	Test 6 Sat
AG38410	Final Effluent	2/8/2020 23:59	2/8/2020 23:59	TEST 7 Sun
AG38504	Final Effluent	2/9/2020 8:00	2/9/2020 7:00	Test 6 Sat
AG38668	Final Effluent	2/9/2020 23:59	2/9/2020 23:59	Test 1 Mon
AG38777	Final Effluent	2/10/2020 8:12	2/10/2020 7:00	Test 6 Sat
AG38957	Final Effluent	2/10/2020 23:59	2/10/2020 23:59	Test 2 Tues
AG39073	Final Effluent	2/11/2020 7:52	2/11/2020 7:00	Test 6 Sat
AG39258	Final Effluent	2/11/2020 23:59	2/11/2020 23:59	Test 3 Wed
AG39374	Final Effluent	2/12/2020 8:06	2/12/2020 7:00	Test 6 Sat
AG39532	Final Effluent	2/12/2020 23:59	2/12/2020 23:59	Test 4 Thur
AG39639	Final Effluent	2/13/2020 8:09	2/13/2020 7:00	Test 6 Sat
AG39805	Final Effluent	2/13/2020 23:59	2/13/2020 23:59	Test 5 Fri
AG39903	Final Effluent	2/14/2020 8:12	2/14/2020 7:00	Test 6 Sat
AG40045	Final Effluent	2/14/2020 23:59	2/14/2020 23:59	TEST 6 Sat
AG40137	Final Effluent	2/15/2020 8:04	2/15/2020 7:00	Test 6 Sat
AG40280	Final Effluent	2/15/2020 23:59	2/15/2020 23:59	TEST 7 Sun

AG40364	Final Effluent	2/16/2020 10:01	2/16/2020 7:00	Test 6 Sat
AG40508	Final Effluent	2/16/2020 23:59	2/16/2020 23:59	Test 1 Mon
AG40615	Final Effluent	2/17/2020 8:02	2/17/2020 7:00	Test 6 Sat
AG40758	Final Effluent	2/17/2020 23:59	2/17/2020 23:59	Test 2 Tues
AG40865	Final Effluent	2/18/2020 8:10	2/18/2020 7:00	Test 6 Sat
AG41024	Final Effluent	2/18/2020 23:59	2/18/2020 23:59	Test 3 Wed
AG41131	Final Effluent	2/19/2020 8:06	2/19/2020 7:00	Test 6 Sat
AG41284	Final Effluent	2/19/2020 23:59	2/19/2020 23:59	Test 4 Thur
AG41391	Final Effluent	2/20/2020 8:08	2/20/2020 7:00	Test 6 Sat
AG41550	Final Effluent	2/20/2020 23:59	2/20/2020 23:59	Test 5 Fri
AG41647	Final Effluent	2/21/2020 8:07	2/21/2020 7:00	Test 6 Sat
AG41799	Final Effluent	2/21/2020 23:59	2/21/2020 23:59	TEST 6 Sat
AG41884	Final Effluent	2/22/2020 9:19	2/22/2020 7:00	Test 6 Sat
AG42027	Final Effluent	2/22/2020 23:59	2/22/2020 23:59	TEST 7 Sun
AG42112	Final Effluent	2/23/2020 9:14	2/23/2020 7:00	Test 6 Sat
AG42255	Final Effluent	2/23/2020 23:59	2/23/2020 23:59	Test 1 Mon
AG42362	Final Effluent	2/24/2020 8:12	2/24/2020 7:00	Test 6 Sat
AG42518	Final Effluent	2/24/2020 23:59	2/24/2020 23:59	Test 2 Tues
AG42625	Final Effluent	2/25/2020 8:07	2/25/2020 7:00	Test 6 Sat
AG42779	Final Effluent	2/25/2020 23:59	2/25/2020 23:59	Test 3 Wed
AG42893	Final Effluent	2/26/2020 8:11	2/26/2020 7:00	Test 6 Sat
AG43052	Final Effluent	2/26/2020 23:59	2/26/2020 23:59	Test 4 Thur
AG43151	Final Effluent	2/27/2020 8:03	2/27/2020 7:00	Test 6 Sat
AG43307	Final Effluent	2/27/2020 23:59	2/27/2020 23:59	Test 5 Fri
AG43405	Final Effluent	2/28/2020 8:16	2/28/2020 7:00	Test 6 Sat
AG43551	Final Effluent	2/28/2020 23:59	2/28/2020 23:59	TEST 6 Sat
AG43636	Final Effluent	2/29/2020 8:32	2/29/2020 7:00	Test 6 Sat
AG43779	Final Effluent	2/29/2020 23:59	2/29/2020 23:59	TEST 7 Sun
AG43864	Final Effluent	3/1/2020 8:33	3/1/2020 7:00	Test 6 Sat
AG44008	Final Effluent	3/1/2020 23:59	3/1/2020 23:59	Test 1 Mon
AG44115	Final Effluent	3/2/2020 8:13	3/2/2020 7:00	Test 6 Sat
AG44209	Final Effluent-past hold time	2/29/2020 23:59	3/2/2020 12:48	
AG44284	Final Effluent	3/2/2020 23:59	3/2/2020 23:59	Test 2 Tues
AG44400	Final Effluent	3/3/2020 8:08	3/3/2020 7:00	Test 6 Sat
AG44602	Final Effluent	3/3/2020 23:59	3/3/2020 23:59	Test 3 Wed
AG44718	Final Effluent	3/4/2020 8:33	3/4/2020 7:00	Test 6 Sat
AG44932	Final Effluent	3/4/2020 23:59	3/4/2020 23:59	Test 4 Thur
AG45048	Final Effluent	3/5/2020 8:10	3/5/2020 7:00	Test 6 Sat
AG45208	Final Effluent	3/5/2020 23:59	3/5/2020 23:59	Test 5 Fri
AG45322	Final Effluent	3/6/2020 8:11	3/6/2020 7:00	Test 6 Sat
AG45495	Final Effluent	3/6/2020 23:59	3/6/2020 23:59	TEST 6 Sat
AG45589	Final Effluent	3/7/2020 9:42	3/7/2020 7:00	Test 6 Sat
AG45754	Final Effluent	3/7/2020 23:59	3/7/2020 23:59	TEST 7 Sun
AG45834	Final Effluent	3/8/2020 8:25	3/8/2020 7:00	Test 6 Sat
AG45999	Final Effluent	3/8/2020 23:59	3/8/2020 23:59	Test 1 Mon
AG46112	Final Effluent	3/9/2020 8:05	3/9/2020 7:00	Test 6 Sat
AG46337	Final Effluent	3/9/2020 23:59	3/9/2020 23:59	Test 2 Tues

AG46458	Final Effluent	3/10/2020 8:07	3/10/2020 7:00	Test 6 Sat
AG46636	Final Effluent	3/10/2020 23:59	3/10/2020 23:59	Test 3 Wed
AG46749	Final Effluent	3/11/2020 8:00	3/11/2020 7:00	Test 6 Sat
AG46921	Final Effluent	3/11/2020 23:59	3/11/2020 23:59	Test 4 Thur
AG47034	Final Effluent	3/12/2020 8:07	3/12/2020 7:00	Test 6 Sat
AG47208	Final Effluent	3/12/2020 23:59	3/12/2020 23:59	Test 5 Fri
AG47319	Final Effluent	3/13/2020 8:04	3/13/2020 7:00	Test 6 Sat
AG47553	Final Effluent	3/13/2020 23:59	3/13/2020 23:59	TEST 6 Sat
AG47644	Final Effluent	3/14/2020 8:20	3/14/2020 7:00	Test 6 Sat
AG47804	Final Effluent	3/14/2020 23:59	3/14/2020 23:59	TEST 7 Sun
AG47895	Final Effluent	3/15/2020 8:40	3/15/2020 7:00	Test 6 Sat
AG48055	Final Effluent	3/15/2020 23:59	3/15/2020 23:59	Test 1 Mon
AG48169	Final Effluent	3/16/2020 7:40	3/16/2020 7:00	Test 6 Sat
AG48345	Final Effluent	3/16/2020 23:59	3/16/2020 23:59	Test 2 Tues
AG48458	Final Effluent	3/17/2020 8:21	3/17/2020 7:00	Test 6 Sat
AG48631	Final Effluent	3/17/2020 23:59	3/17/2020 23:59	Test 3 Wed
AG48744	Final Effluent	3/18/2020 8:31	3/18/2020 7:00	Test 6 Sat
AG48914	Final Effluent	3/18/2020 23:59	3/18/2020 23:59	Test 4 Thur
AG49029	Final Effluent	3/19/2020 8:58	3/19/2020 7:00	Test 6 Sat
AG49194	Final Effluent	3/19/2020 23:59	3/19/2020 23:59	Test 5 Fri
AG49296	Final Effluent	3/20/2020 8:31	3/20/2020 7:00	Test 6 Sat
AG49472	Final Effluent	3/20/2020 23:59	3/20/2020 23:59	TEST 6 Sat
AG49564	Final Effluent	3/21/2020 8:05	3/21/2020 7:00	Test 6 Sat
AG49729	Final Effluent	3/21/2020 23:59	3/21/2020 23:59	TEST 7 Sun
AG49821	Final Effluent	3/22/2020 8:11	3/22/2020 7:00	Test 6 Sat
AG49978	Final Effluent	3/22/2020 23:59	3/22/2020 23:59	Test 1 Mon
AG50101	Final Effluent	3/23/2020 8:03	3/23/2020 7:00	Test 6 Sat
AG50293	Final Effluent	3/23/2020 23:59	3/23/2020 23:59	Test 2 Tues
AG50403	Final Effluent	3/24/2020 8:03	3/24/2020 7:00	Test 6 Sat
AG50574	Final Effluent	3/24/2020 23:59	3/24/2020 23:59	Test 3 Wed
AG50699	Final Effluent	3/25/2020 8:30	3/25/2020 7:00	Test 6 Sat
AG50864	Final Effluent	3/25/2020 23:59	3/25/2020 23:59	Test 4 Thur
AG50979	Final Effluent	3/26/2020 8:02	3/26/2020 7:00	Test 6 Sat
AG51149	Final Effluent	3/26/2020 23:59	3/26/2020 23:59	Test 5 Fri
AG51242	Final Effluent	3/27/2020 7:52	3/27/2020 7:00	Test 6 Sat
AG51409	Final Effluent	3/27/2020 23:59	3/27/2020 23:59	TEST 6 Sat
AG51501	Final Effluent	3/28/2020 8:18	3/28/2020 7:00	Test 6 Sat
AG51666	Final Effluent	3/28/2020 23:59	3/28/2020 23:59	TEST 7 Sun
AG51758	Final Effluent	3/29/2020 9:06	3/29/2020 7:00	Test 6 Sat
AG51933	Final Effluent	3/29/2020 23:59	3/29/2020 23:59	Test 1 Mon
AG52049	Final Effluent	3/30/2020 7:54	3/30/2020 7:00	Test 6 Sat
AG52213	Final Effluent	3/30/2020 23:59	3/30/2020 23:59	Test 2 Tues
AG52322	Final Effluent	3/31/2020 8:58	3/31/2020 7:00	Test 6 Sat
AG52494	Final Effluent	3/31/2020 23:59	3/31/2020 23:59	Test 3 Wed
AG52618	Final Effluent	4/1/2020 8:26	4/1/2020 7:00	Test 6 Sat
AG52794	Final Effluent	4/1/2020 23:59	4/1/2020 23:59	Test 4 Thur
AG52892	Final Effluent	4/2/2020 7:48	4/2/2020 7:00	Test 6 Sat

AG53073	Final Effluent	4/2/2020 23:59	4/2/2020 23:59	Test 5 Fri
AG53166	Final Effluent	4/3/2020 8:07	4/3/2020 7:00	Test 6 Sat
AG53346	Final Effluent	4/3/2020 23:59	4/3/2020 23:59	TEST 6 Sat
AG53438	Final Effluent	4/4/2020 8:30	4/4/2020 7:00	Test 6 Sat
AG53602	Final Effluent	4/4/2020 23:59	4/4/2020 23:59	TEST 7 Sun
AG53693	Final Effluent	4/5/2020 7:00	4/5/2020 7:00	Test 6 Sat
AG53858	Final Effluent	4/5/2020 23:59	4/5/2020 23:59	Test 1 Mon
AG53974	Final Effluent	4/6/2020 8:54	4/6/2020 7:00	Test 6 Sat
AG54162	Final Effluent	4/6/2020 23:59	4/6/2020 23:59	Test 2 Tues
AG54271	Final Effluent	4/7/2020 7:00	4/7/2020 7:00	Test 6 Sat
AG54446	Final Effluent	4/7/2020 23:59	4/7/2020 23:59	Test 3 Wed
AG54549	Final Effluent	4/8/2020 8:30	4/8/2020 7:00	Test 6 Sat
AG54760	Final Effluent	4/8/2020 23:59	4/8/2020 23:59	Test 4 Thur
AG54875	Final Effluent	4/9/2020 8:15	4/9/2020 7:00	Test 6 Sat
AG55054	Final Effluent	4/9/2020 23:59	4/9/2020 23:59	Test 5 Fri
AG55148	Final Effluent	4/10/2020 8:07	4/10/2020 7:00	Test 6 Sat
AG55318	Final Effluent	4/10/2020 23:59	4/10/2020 23:59	
AG55398	Final Effluent	4/11/2020 8:25	4/11/2020 7:00	
AG55572	Final Effluent	4/11/2020 23:59	4/11/2020 23:59	
AG55652	Final Effluent	4/12/2020 8:10	4/12/2020 7:00	
AG55826	Final Effluent	4/12/2020 23:59	4/12/2020 23:59	
AG55906	Final Effluent	4/13/2020 8:20	4/13/2020 7:00	
AG56093	Final Effluent	4/13/2020 23:59	4/13/2020 23:59	
AG56176	Final Effluent	4/14/2020 8:11	4/14/2020 7:00	
AG56356	Final Effluent	4/14/2020 23:59	4/14/2020 23:59	
AG56439	Final Effluent	4/15/2020 8:20	4/15/2020 7:00	
AG56637	Final Effluent	4/15/2020 23:59	4/15/2020 23:59	Test 4 Thur
AG56723	Final Effluent	4/16/2020 8:12	4/16/2020 7:00	
AG56912	Final Effluent	4/16/2020 23:59	4/16/2020 23:59	Test 4 Thur
AG56998	Final Effluent	4/17/2020 8:10	4/17/2020 7:00	
AG57171	Final Effluent	4/17/2020 23:59	4/17/2020 23:59	Test 4 Thur
AG57257	Final Effluent	4/18/2020 8:11	4/18/2020 7:00	
AG57423	Final Effluent	4/18/2020 23:59	4/18/2020 23:59	Test 4 Thur
AG57509	Final Effluent	4/19/2020 7:50	4/19/2020 7:00	
AG57674	Final Effluent	4/19/2020 23:59	4/19/2020 23:59	Test 4 Thur
AG57760	Final Effluent	4/20/2020 7:45	4/20/2020 7:00	
AG57954	Final Effluent	4/20/2020 23:59	4/20/2020 23:59	Test 4 Thur
AG58040	Final Effluent	4/21/2020 8:06	4/21/2020 7:00	
AG58237	Final Effluent	4/21/2020 23:59	4/21/2020 23:59	Test 4 Thur
AG58323	Final Effluent	4/22/2020 8:05	4/22/2020 7:00	
AG58522	Final Effluent	4/22/2020 23:59	4/22/2020 23:59	Test 4 Thur
AG58608	Final Effluent	4/23/2020 8:10	4/23/2020 7:00	
AG58807	Final Effluent	4/23/2020 23:59	4/23/2020 23:59	Test 4 Thur
AG58893	Final Effluent	4/24/2020 8:13	4/24/2020 7:00	
AG59061	Final Effluent	4/24/2020 23:59	4/24/2020 23:59	Test 4 Thur
AG59147	Final Effluent	4/25/2020 7:45	4/25/2020 7:00	
AG59313	Final Effluent	4/25/2020 23:59	4/25/2020 23:59	Test 4 Thur

AG59399	Final Effluent	4/26/2020 8:05	4/26/2020 7:00	
AG59565	Final Effluent	4/26/2020 23:59	4/26/2020 23:59	Test 4 Thur
AG59651	Final Effluent	4/27/2020 7:55	4/27/2020 7:00	
AG59844	Final Effluent	4/27/2020 23:59	4/27/2020 23:59	Test 4 Thur
AG59930	Final Effluent	4/28/2020 8:02	4/28/2020 7:00	
AG60125	Final Effluent	4/28/2020 23:59	4/28/2020 23:59	Test 4 Thur
AG60211	Final Effluent	4/29/2020 8:10	4/29/2020 7:00	
AG60431	Final Effluent	4/29/2020 23:59	4/29/2020 23:59	Test 4 Thur
AG60517	Final Effluent	4/30/2020 8:00	4/30/2020 7:00	
AG60717	Final Effluent	4/30/2020 23:59	4/30/2020 23:59	Test 5 Fri
AG60805	Final Effluent	5/1/2020 8:09	5/1/2020 7:00	
AG60989	Final Effluent	5/1/2020 23:59	5/1/2020 23:59	Test 4 Thur
AG61075	Final Effluent	5/2/2020 8:30	5/2/2020 7:00	
AG61241	Final Effluent	5/2/2020 23:59	5/2/2020 23:59	Test 4 Thur
AG61327	Final Effluent	5/3/2020 8:35	5/3/2020 7:00	
AG61499	Final Effluent	5/3/2020 23:59	5/3/2020 23:59	Test 1 Mon
AG61620	Final Effluent	5/4/2020 8:40	5/4/2020 7:00	Test 6 Sat
AG61834	Final Effluent	5/4/2020 23:59	5/4/2020 23:59	Test 2 Tues
AG61949	Final Effluent	5/5/2020 7:58	5/5/2020 7:00	Test 6 Sat
AG62135	Final Effluent	5/5/2020 23:59	5/5/2020 23:59	Test 3 Wed
AG62264	Final Effluent	5/6/2020 8:04	5/6/2020 7:00	Test 6 Sat
AG62439	Final Effluent	5/6/2020 23:59	5/6/2020 23:59	Test 4 Thur
AG62566	Final Effluent	5/7/2020 8:04	5/7/2020 7:00	Test 6 Sat
AG62746	Final Effluent	5/7/2020 23:59	5/7/2020 23:59	Test 5 Fri
AG62844	Final Effluent	5/8/2020 8:05	5/8/2020 7:00	Test 6 Sat
AG63023	Final Effluent	5/8/2020 23:59	5/8/2020 23:59	TEST 6 Sat
AG63119	Final Effluent	5/9/2020 7:55	5/9/2020 7:00	Test 6 Sat
AG63288	Final Effluent	5/9/2020 23:59	5/9/2020 23:59	TEST 7 Sun
AG63380	Final Effluent	5/10/2020 8:00	5/10/2020 7:00	Test 6 Sat
AG63545	Final Effluent	5/10/2020 23:59	5/10/2020 23:59	Test 1 Mon
AG63657	Final Effluent	5/11/2020 8:10	5/11/2020 7:00	Test 6 Sat
AG63820	Final Effluent	5/11/2020 23:59	5/11/2020 23:59	Test 2 Tues
AG63925	Final Effluent	5/12/2020 8:01	5/12/2020 7:00	Test 6 Sat
AG64090	Final Effluent	5/12/2020 23:59	5/12/2020 23:59	Test 3 Wed
AG64210	Final Effluent	5/13/2020 8:04	5/13/2020 7:00	Test 6 Sat
AG64377	Final Effluent	5/13/2020 23:59	5/13/2020 23:59	Test 4 Thur
AG64472	Final Effluent	5/14/2020 8:01	5/14/2020 7:00	Test 6 Sat
AG64636	Final Effluent	5/14/2020 23:59	5/14/2020 23:59	Test 5 Fri
AG64725	Final Effluent	5/15/2020 8:05	5/15/2020 7:00	Test 6 Sat
AG64901	Final Effluent	5/15/2020 23:59	5/15/2020 23:59	TEST 6 Sat
AG64994	Final Effluent	5/16/2020 8:10	5/16/2020 7:00	Test 6 Sat
AG65146	Final Effluent	5/16/2020 23:59	5/16/2020 23:59	TEST 7 Sun
AG65231	Final Effluent	5/17/2020 7:55	5/17/2020 7:00	Test 6 Sat
AG65398	Final Effluent	5/17/2020 23:59	5/17/2020 23:59	Test 1 Mon
AG65510	Final Effluent	5/18/2020 8:08	5/18/2020 7:00	Test 6 Sat
AG65670	Final Effluent	5/18/2020 23:59	5/18/2020 23:59	Test 2 Tues
AG65775	Final Effluent	5/19/2020 7:55	5/19/2020 7:00	Test 6 Sat

AG65956	Final Effluent	5/19/2020 23:59	5/19/2020 23:59	Test 3 Wed
AG66076	Final Effluent	5/20/2020 8:00	5/20/2020 7:00	Test 6 Sat
AG66242	Final Effluent	5/20/2020 23:59	5/20/2020 23:59	Test 4 Thur
AG66357	Final Effluent	5/21/2020 7:57	5/21/2020 7:00	Test 6 Sat
AG66529	Final Effluent	5/21/2020 23:59	5/21/2020 23:59	Test 5 Fri
AG66622	Final Effluent	5/22/2020 7:59	5/22/2020 7:00	Test 6 Sat
AG66788	Final Effluent	5/22/2020 23:59	5/22/2020 23:59	TEST 6 Sat
AG66879	Final Effluent	5/23/2020 8:05	5/23/2020 7:00	Test 6 Sat
AG67046	Final Effluent	5/23/2020 23:59	5/23/2020 23:59	TEST 7 Sun
AG67138	Final Effluent	5/24/2020 8:50	5/24/2020 7:00	Test 6 Sat
AG67305	Final Effluent	5/24/2020 23:59	5/24/2020 23:59	Test 1 Mon
AG67420	Final Effluent	5/25/2020 8:07	5/25/2020 7:00	Test 6 Sat
AG67587	Final Effluent	5/25/2020 23:59	5/25/2020 23:59	Test 2 Tues
AG67704	Final Effluent	5/26/2020 8:02	5/26/2020 7:00	Test 6 Sat
AG67885	Final Effluent	5/26/2020 23:59	5/26/2020 23:59	Test 3 Wed
AG68009	Final Effluent	5/27/2020 8:19	5/27/2020 7:00	Test 6 Sat
AG68194	Final Effluent	5/27/2020 23:59	5/27/2020 23:59	Test 4 Thur
AG68309	Final Effluent	5/28/2020 8:07	5/28/2020 7:00	Test 6 Sat
AG68482	Final Effluent	5/28/2020 23:59	5/28/2020 23:59	Test 5 Fri
AG68570	Final Effluent	5/29/2020 8:02	5/29/2020 7:00	Test 6 Sat
AG68737	Final Effluent	5/29/2020 23:59	5/29/2020 23:59	TEST 6 Sat
AG68825	Final Effluent	5/30/2020 8:20	5/30/2020 7:00	Test 6 Sat
AG68989	Final Effluent	5/30/2020 23:59	5/30/2020 23:59	TEST 7 Sun
AG69077	Final Effluent	5/31/2020 8:25	5/31/2020 7:00	Test 6 Sat
AG69234	Final Effluent	5/31/2020 23:59	5/31/2020 23:59	Test 1 Mon
AG69346	Final Effluent	6/1/2020 8:09	6/1/2020 7:00	Test 6 Sat
AG69535	Final Effluent	6/1/2020 23:59	6/1/2020 23:59	Test 2 Tues
AG69628	Final Effluent	6/2/2020 8:08	6/2/2020 7:00	Test 6 Sat
AG69827	Final Effluent	6/2/2020 23:59	6/2/2020 23:59	Test 3 Wed
AG69935	Final Effluent	6/3/2020 8:24	6/3/2020 7:00	Test 6 Sat
AG70102	Final Effluent	6/3/2020 23:59	6/3/2020 23:59	Test 4 Thur
AG70217	Final Effluent	6/4/2020 7:59	6/4/2020 7:00	Test 6 Sat
AG70382	Final Effluent	6/4/2020 23:59	6/4/2020 23:59	Test 5 Fri
AG70486	Final Effluent	6/5/2020 8:01	6/5/2020 7:00	Test 6 Sat
AG70644	Final Effluent	6/5/2020 23:59	6/5/2020 23:59	TEST 6 Sat
AG70732	Final Effluent	6/6/2020 11:08	6/6/2020 7:00	Test 6 Sat
AG70889	Final Effluent	6/6/2020 23:59	6/6/2020 23:59	TEST 7 Sun
AG70977	Final Effluent	6/7/2020 7:47	6/7/2020 7:00	Test 6 Sat
AG71129	Final Effluent	6/7/2020 23:59	6/7/2020 23:59	Test 1 Mon
AG71238	Final Effluent	6/8/2020 8:02	6/8/2020 7:00	Test 6 Sat
AG71412	Final Effluent	6/8/2020 23:59	6/8/2020 23:59	Test 2 Tues
AG71520	Final Effluent	6/9/2020 7:48	6/9/2020 7:00	Test 6 Sat
AG71694	Final Effluent	6/9/2020 23:59	6/9/2020 23:59	Test 3 Wed
AG71792	Final Effluent	6/10/2020 8:02	6/10/2020 7:00	Test 6 Sat
AG71962	Final Effluent	6/10/2020 23:59	6/10/2020 23:59	Test 4 Thur
AG72067	Final Effluent	6/11/2020 8:03	6/11/2020 7:00	Test 6 Sat
AG72235	Final Effluent	6/11/2020 23:59	6/11/2020 23:59	Test 5 Fri

AG72340	Final Effluent	6/12/2020 8:04	6/12/2020 7:00	Test 6 Sat
AG72501	Final Effluent	6/12/2020 23:59	6/12/2020 23:59	TEST 6 Sat
AG72597	Final Effluent	6/13/2020 8:47	6/13/2020 7:00	Test 6 Sat
AG72751	Final Effluent	6/13/2020 23:59	6/13/2020 23:59	TEST 7 Sun
AG72839	Final Effluent	6/14/2020 8:15	6/14/2020 7:00	Test 6 Sat
AG72996	Final Effluent	6/14/2020 23:59	6/14/2020 23:59	Test 1 Mon
AG73105	Final Effluent	6/15/2020 8:07	6/15/2020 7:00	Test 6 Sat
AG73268	Final Effluent	6/15/2020 23:59	6/15/2020 23:59	Test 2 Tues
AG73376	Final Effluent	6/16/2020 8:04	6/16/2020 7:00	Test 6 Sat
AG73548	Final Effluent	6/16/2020 23:59	6/16/2020 23:59	Test 3 Wed
AG73656	Final Effluent	6/17/2020 8:08	6/17/2020 7:00	Test 6 Sat
AG73826	Final Effluent	6/17/2020 23:59	6/17/2020 23:59	Test 4 Thur
AG73934	Final Effluent	6/18/2020 8:15	6/18/2020 7:00	Test 6 Sat
AG74101	Final Effluent	6/18/2020 23:59	6/18/2020 23:59	Test 5 Fri
AG74206	Final Effluent	6/19/2020 7:26	6/19/2020 7:00	Test 6 Sat
AG74361	Final Effluent	6/19/2020 23:59	6/19/2020 23:59	TEST 6 Sat
AG74448	Final Effluent	6/20/2020 7:55	6/20/2020 7:00	Test 6 Sat
AG74606	Final Effluent	6/20/2020 23:59	6/20/2020 23:59	TEST 7 Sun
AG74694	Final Effluent	6/21/2020 8:03	6/21/2020 7:00	Test 6 Sat
AG74846	Final Effluent	6/21/2020 23:59	6/21/2020 23:59	Test 1 Mon
AG74955	Final Effluent	6/22/2020 8:16	6/22/2020 7:00	Test 6 Sat
AG75129	Final Effluent	6/22/2020 23:59	6/22/2020 23:59	Test 2 Tues
AG75235	Final Effluent	6/23/2020 8:33	6/23/2020 7:00	Test 6 Sat
AG75422	Final Effluent	6/23/2020 23:59	6/23/2020 23:59	Test 3 Wed
AG75530	Final Effluent	6/24/2020 7:58	6/24/2020 7:00	Test 6 Sat
AG75704	Final Effluent	6/24/2020 23:59	6/24/2020 23:59	Test 4 Thur
AG75812	Final Effluent	6/25/2020 8:16	6/25/2020 7:00	Test 6 Sat
AG75986	Final Effluent	6/25/2020 23:59	6/25/2020 23:59	Test 5 Fri
AG76098	Final Effluent	6/26/2020 8:09	6/26/2020 7:00	Test 6 Sat
AG76266	Final Effluent	6/26/2020 23:59	6/26/2020 23:59	TEST 6 Sat
AG76354	Final Effluent	6/27/2020 8:10	6/27/2020 7:00	Test 6 Sat
AG76506	Final Effluent	6/27/2020 23:59	6/27/2020 23:59	TEST 7 Sun
AG76594	Final Effluent	6/28/2020 8:15	6/28/2020 7:00	Test 6 Sat
AG76751	Final Effluent	6/28/2020 23:59	6/28/2020 23:59	Test 1 Mon
AG76860	Final Effluent	6/29/2020 8:00	6/29/2020 7:00	Test 6 Sat
AG77024	Final Effluent	6/29/2020 23:59	6/29/2020 23:59	Test 2 Tues
AG77132	Final Effluent	6/30/2020 8:08	6/30/2020 7:00	Test 6 Sat
AG77325	Final Effluent	6/30/2020 23:59	6/30/2020 23:59	Test 3 Wed
AG77433	Final Effluent	7/1/2020 8:14	7/1/2020 7:00	Test 6 Sat
AG77629	Final Effluent	7/1/2020 23:59	7/1/2020 23:59	Test 4 Thur
AG77737	Final Effluent	7/2/2020 8:00	7/2/2020 7:00	Test 6 Sat
AG77925	Final Effluent	7/2/2020 23:59	7/2/2020 23:59	Test 5 Fri
AG78018	Final Effluent	7/3/2020 7:58	7/3/2020 7:00	Test 6 Sat
AG78185	Final Effluent	7/3/2020 23:59	7/3/2020 23:59	TEST 6 Sat
AG78273	Final Effluent	7/4/2020 8:18	7/4/2020 7:00	Test 6 Sat
AG78430	Final Effluent	7/4/2020 23:59	7/4/2020 23:59	TEST 7 Sun
AG78517	Final Effluent	7/5/2020 8:27	7/5/2020 7:00	Test 6 Sat

AG78669	Final Effluent	7/5/2020 23:59	7/5/2020 23:59	Test 1 Mon
AG78772	Final Effluent	7/6/2020 8:07	7/6/2020 7:00	Test 6 Sat
AG78951	Final Effluent	7/6/2020 23:59	7/6/2020 23:59	Test 2 Tues
AG79059	Final Effluent	7/7/2020 7:58	7/7/2020 7:00	Test 6 Sat
AG79230	Final Effluent	7/7/2020 23:59	7/7/2020 23:59	Test 3 Wed
AG79335	Final Effluent	7/8/2020 8:19	7/8/2020 7:00	Test 6 Sat
AG79514	Final Effluent	7/8/2020 23:59	7/8/2020 23:59	Test 4 Thur
AG79626	Final Effluent	7/9/2020 7:55	7/9/2020 7:00	Test 6 Sat
AG79798	Final Effluent	7/9/2020 23:59	7/9/2020 23:59	Test 5 Fri
AG79900	Final Effluent	7/10/2020 7:55	7/10/2020 7:00	Test 6 Sat
AG80080	Final Effluent	7/10/2020 23:59	7/10/2020 23:59	TEST 6 Sat
AG80168	Final Effluent	7/11/2020 7:51	7/11/2020 7:00	Test 6 Sat
AG80317	Final Effluent	7/11/2020 23:59	7/11/2020 23:59	TEST 7 Sun
AG80405	Final Effluent	7/12/2020 7:55	7/12/2020 7:00	Test 6 Sat
AG80559	Final Effluent	7/12/2020 23:59	7/12/2020 23:59	Test 1 Mon
AG80668	Final Effluent	7/13/2020 8:05	7/13/2020 7:00	Test 6 Sat
AG80842	Final Effluent	7/13/2020 23:59	7/13/2020 23:59	Test 2 Tues
AG80950	Final Effluent	7/14/2020 8:08	7/14/2020 7:00	Test 6 Sat
AG81138	Final Effluent	7/14/2020 23:59	7/14/2020 23:59	Test 3 Wed
AG81246	Final Effluent	7/15/2020 8:10	7/15/2020 7:00	Test 6 Sat
AG81412	Final Effluent	7/15/2020 23:59	7/15/2020 23:59	Test 4 Thur
AG81520	Final Effluent	7/16/2020 8:13	7/16/2020 7:00	Test 6 Sat
AG81722	Final Effluent	7/16/2020 23:59	7/16/2020 23:59	Test 5 Fri
AG81827	Final Effluent	7/17/2020 8:03	7/17/2020 7:00	Test 6 Sat
AG81995	Final Effluent	7/17/2020 23:59	7/17/2020 23:59	TEST 6 Sat
AG82082	Final Effluent	7/18/2020 7:59	7/18/2020 7:00	Test 6 Sat
AG82237	Final Effluent	7/18/2020 23:59	7/18/2020 23:59	TEST 7 Sun
AG82325	Final Effluent	7/19/2020 7:52	7/19/2020 7:00	Test 6 Sat
AG82474	Final Effluent	7/19/2020 23:59	7/19/2020 23:59	Test 1 Mon
AG82583	Final Effluent	7/20/2020 8:12	7/20/2020 7:00	Test 6 Sat
AG82778	Final Effluent	7/20/2020 23:59	7/20/2020 23:59	Test 2 Tues
AG82885	Final Effluent	7/21/2020 7:14	7/21/2020 7:00	Test 6 Sat
AG83057	Final Effluent	7/21/2020 23:59	7/21/2020 23:59	Test 3 Wed
AG83165	Final Effluent	7/22/2020 8:12	7/22/2020 7:00	Test 6 Sat
AG83333	Final Effluent	7/22/2020 23:59	7/22/2020 23:59	Test 4 Thur
AG83441	Final Effluent	7/23/2020 8:10	7/23/2020 7:00	Test 6 Sat
AG83609	Final Effluent	7/23/2020 23:59	7/23/2020 23:59	Test 5 Fri
AG83713	Final Effluent	7/24/2020 8:19	7/24/2020 7:00	Test 6 Sat
AG83882	Final Effluent	7/24/2020 23:59	7/24/2020 23:59	TEST 6 Sat
AG83970	Final Effluent	7/25/2020 7:55	7/25/2020 7:00	Test 6 Sat
AG84122	Final Effluent	7/25/2020 23:59	7/25/2020 23:59	TEST 7 Sun
AG84210	Final Effluent	7/26/2020 7:43	7/26/2020 7:00	Test 6 Sat
AG84366	Final Effluent	7/26/2020 23:59	7/26/2020 23:59	Test 1 Mon
AG84475	Final Effluent	7/27/2020 8:03	7/27/2020 7:00	Test 6 Sat
AG84653	Final Effluent	7/27/2020 23:59	7/27/2020 23:59	Test 2 Tues
AG84755	Final Effluent	7/28/2020 8:08	7/28/2020 7:00	Test 6 Sat
AG84996	Final Effluent	7/28/2020 23:59	7/28/2020 23:59	Test 3 Wed

AG85104	Final Effluent	7/29/2020 8:06	7/29/2020 7:00	Test 6 Sat
AG85265	Final Effluent	7/29/2020 23:59	7/29/2020 23:59	Test 4 Thur
AG85373	Final Effluent	7/30/2020 8:08	7/30/2020 7:00	Test 6 Sat
AG85529	Final Effluent	7/30/2020 23:59	7/30/2020 23:59	Test 5 Fri
AG85641	Final Effluent	7/31/2020 8:03	7/31/2020 7:00	Test 6 Sat
AG85805	Final Effluent	7/31/2020 23:59	7/31/2020 23:59	TEST 6 Sat
AG85893	Final Effluent	8/1/2020 8:38	8/1/2020 7:00	Test 6 Sat
AG86060	Final Effluent	8/1/2020 23:59	8/1/2020 23:59	TEST 7 Sun
AG86148	Final Effluent	8/2/2020 8:17	8/2/2020 7:00	Test 6 Sat
AG86299	Final Effluent	8/2/2020 23:59	8/2/2020 23:59	Test 1 Mon
AG86408	Final Effluent	8/3/2020 8:13	8/3/2020 7:00	Test 6 Sat
AG86614	Final Effluent	8/3/2020 23:59	8/3/2020 23:59	Test 2 Tues
AG86708	Final Effluent	8/4/2020 8:17	8/4/2020 7:00	Test 6 Sat
AG86965	Final Effluent	8/4/2020 23:59	8/5/2020 7:00	Test 6 Sat
AG87019	Final Effluent	8/4/2020 23:59	8/5/2020 9:53	
AG87161	Final Effluent	8/5/2020 23:59	8/5/2020 23:59	Test 4 Thur
AG87268	Final Effluent	8/6/2020 7:48	8/6/2020 7:00	Test 6 Sat
AG87430	Final Effluent	8/6/2020 23:59	8/6/2020 23:59	Test 5 Fri
AG87523	Final Effluent	8/7/2020 8:25	8/7/2020 7:00	Test 6 Sat
AG87706	Final Effluent	8/7/2020 23:59	8/7/2020 23:59	TEST 6 Sat
AG87794	Final Effluent	8/8/2020 9:10	8/8/2020 7:00	Test 6 Sat
AG87947	Final Effluent	8/8/2020 23:59	8/8/2020 23:59	TEST 7 Sun
AG88035	Final Effluent	8/9/2020 8:37	8/9/2020 7:00	Test 6 Sat
AG88191	Final Effluent	8/9/2020 23:59	8/9/2020 23:59	Test 1 Mon
AG88300	Final Effluent	8/10/2020 8:03	8/10/2020 7:00	Test 6 Sat
AG88459	Final Effluent	8/10/2020 23:59	8/10/2020 23:59	Test 2 Tues
AG88567	Final Effluent	8/11/2020 8:12	8/11/2020 7:00	Test 6 Sat
AG88750	Final Effluent	8/11/2020 23:59	8/11/2020 23:59	Test 3 Wed
AG88858	Final Effluent	8/12/2020 8:00	8/12/2020 7:00	Test 6 Sat
AG89029	Final Effluent	8/12/2020 23:59	8/12/2020 23:59	Test 4 Thur
AG89136	Final Effluent	8/13/2020 8:07	8/13/2020 7:00	Test 6 Sat
AG89309	Final Effluent	8/13/2020 23:59	8/13/2020 23:59	Test 5 Fri
AG89414	Final Effluent	8/14/2020 8:10	8/14/2020 7:00	Test 6 Sat
AG89582	Final Effluent	8/14/2020 23:59	8/14/2020 23:59	TEST 6 Sat
AG89670	Final Effluent	8/15/2020 8:35	8/15/2020 7:00	Test 6 Sat
AG89826	Final Effluent	8/15/2020 23:59	8/15/2020 23:59	TEST 7 Sun
AG89914	Final Effluent	8/16/2020 8:33	8/16/2020 7:00	Test 6 Sat
AG90065	Final Effluent	8/16/2020 23:59	8/16/2020 23:59	Test 1 Mon
AG90160	Final Effluent	8/17/2020 8:16	8/17/2020 7:00	Test 6 Sat
AG90351	Final Effluent	8/17/2020 23:59	8/17/2020 23:59	Test 2 Tues
AG90459	Final Effluent	8/18/2020 8:12	8/18/2020 7:00	Test 6 Sat
AG90618	Final Effluent	8/18/2020 23:59	8/18/2020 23:59	Test 3 Wed
AG90726	Final Effluent	8/19/2020 8:09	8/19/2020 7:00	Test 6 Sat
AG90894	Final Effluent	8/19/2020 23:59	8/19/2020 23:59	Test 4 Thur
AG90995	Final Effluent	8/20/2020 8:08	8/20/2020 7:00	Test 6 Sat
AG91158	Final Effluent	8/20/2020 23:59	8/20/2020 23:59	Test 5 Fri
AG91263	Final Effluent	8/21/2020 8:00	8/21/2020 7:00	Test 6 Sat

AG91421	Final Effluent	8/21/2020 23:59	8/21/2020 23:59	TEST 6 Sat
AG91509	Final Effluent	8/22/2020 7:40	8/22/2020 7:00	Test 6 Sat
AG91655	Final Effluent	8/22/2020 23:59	8/22/2020 23:59	TEST 7 Sun
AG91751	Final Effluent	8/23/2020 7:55	8/23/2020 7:00	Test 6 Sat
AG91907	Final Effluent	8/23/2020 23:59	8/23/2020 23:59	Test 1 Mon
AG92016	Final Effluent	8/24/2020 8:08	8/24/2020 7:00	Test 6 Sat
AG92183	Final Effluent	8/24/2020 23:59	8/24/2020 23:59	Test 2 Tues
AG92291	Final Effluent	8/25/2020 8:10	8/25/2020 7:00	Test 6 Sat
AG92477	Final Effluent	8/25/2020 23:59	8/25/2020 23:59	Test 3 Wed
AG92585	Final Effluent	8/26/2020 8:12	8/26/2020 7:00	Test 6 Sat
AG92764	Final Effluent	8/26/2020 23:59	8/26/2020 23:59	Test 4 Thur
AG92865	Final Effluent	8/27/2020 8:12	8/27/2020 7:00	Test 6 Sat
AG93033	Final Effluent	8/27/2020 23:59	8/27/2020 23:59	Test 5 Fri
AG93138	Final Effluent	8/28/2020 8:18	8/28/2020 7:00	Test 6 Sat
AG93296	Final Effluent	8/28/2020 23:59	8/28/2020 23:59	TEST 6 Sat
AG93384	Final Effluent	8/29/2020 8:41	8/29/2020 7:00	Test 6 Sat
AG93534	Final Effluent	8/29/2020 23:59	8/29/2020 23:59	TEST 7 Sun
AG93630	Final Effluent	8/30/2020 8:12	8/30/2020 7:00	Test 6 Sat
AG93781	Final Effluent	8/30/2020 23:59	8/30/2020 23:59	Test 1 Mon
AG93890	Final Effluent	8/31/2020 8:13	8/31/2020 7:00	Test 6 Sat
AG94074	Final Effluent	8/31/2020 23:59	8/31/2020 23:59	Test 2 Tues
AG94182	Final Effluent	9/1/2020 8:12	9/1/2020 7:00	Test 6 Sat
AG94383	Final Effluent	9/1/2020 23:59	9/1/2020 23:59	Test 3 Wed
AG94491	Final Effluent	9/2/2020 8:18	9/2/2020 7:00	Test 6 Sat
AG94665	Final Effluent	9/2/2020 23:59	9/2/2020 23:59	Test 4 Thur
AG94773	Final Effluent	9/3/2020 8:13	9/3/2020 7:00	Test 6 Sat
AG94936	Final Effluent	9/3/2020 23:59	9/3/2020 23:59	Test 5 Fri
AG95041	Final Effluent	9/4/2020 8:10	9/4/2020 7:00	Test 6 Sat
AG95208	Final Effluent	9/4/2020 23:59	9/4/2020 23:59	TEST 6 Sat
AG95296	Final Effluent	9/5/2020 8:22	9/5/2020 7:00	Test 6 Sat
AG95449	Final Effluent	9/5/2020 23:59	9/5/2020 23:59	TEST 7 Sun
AG95537	Final Effluent	9/6/2020 8:32	9/6/2020 7:00	Test 6 Sat
AG95691	Final Effluent	9/6/2020 23:59	9/6/2020 23:59	Test 1 Mon
AG95800	Final Effluent	9/7/2020 8:14	9/7/2020 7:00	Test 6 Sat
AG95949	Final Effluent	9/7/2020 23:59	9/7/2020 23:59	Test 2 Tues
AG96057	Final Effluent	9/8/2020 8:13	9/8/2020 7:00	Test 6 Sat
AG96235	Final Effluent	9/8/2020 23:59	9/8/2020 23:59	Test 3 Wed
AG96329	Final Effluent	9/9/2020 8:16	9/9/2020 7:00	Test 6 Sat
AG96501	Final Effluent	9/9/2020 23:59	9/9/2020 23:59	Test 4 Thur
AG96614	Final Effluent	9/10/2020 8:20	9/10/2020 7:00	Test 6 Sat
AG96782	Final Effluent	9/10/2020 23:59	9/10/2020 23:59	Test 5 Fri
AG96887	Final Effluent	9/11/2020 8:15	9/11/2020 7:00	Test 6 Sat
AG97038	Final Effluent	9/11/2020 23:59	9/11/2020 23:59	TEST 6 Sat
AG97126	Final Effluent	9/12/2020 8:05	9/12/2020 7:00	Test 6 Sat
AG97281	Final Effluent	9/12/2020 23:59	9/12/2020 23:59	TEST 7 Sun
AG97369	Final Effluent	9/13/2020 8:16	9/13/2020 7:00	Test 6 Sat
AG97518	Final Effluent	9/13/2020 23:59	9/13/2020 23:59	Test 1 Mon

AG97627	Final Effluent	9/14/2020 8:16	9/14/2020 7:00	Test 6 Sat
AG97798	Final Effluent	9/14/2020 23:59	9/14/2020 23:59	Test 2 Tues
AG97906	Final Effluent	9/15/2020 8:20	9/15/2020 7:00	Test 6 Sat
AG98063	Final Effluent	9/15/2020 23:59	9/15/2020 23:59	Test 3 Wed
AG98170	Final Effluent	9/16/2020 8:03	9/16/2020 7:00	Test 6 Sat
AG98337	Final Effluent	9/16/2020 23:59	9/16/2020 23:59	Test 4 Thur
AG98445	Final Effluent	9/17/2020 8:07	9/17/2020 7:00	Test 6 Sat
AG98596	Final Effluent	9/17/2020 23:59	9/17/2020 23:59	Test 5 Fri
AG98701	Final Effluent	9/18/2020 8:07	9/18/2020 7:00	Test 6 Sat
AG98871	Final Effluent	9/18/2020 23:59	9/18/2020 23:59	TEST 6 Sat
AG98959	Final Effluent	9/19/2020 8:10	9/19/2020 7:00	Test 6 Sat
AG99113	Final Effluent	9/19/2020 23:59	9/19/2020 23:59	TEST 7 Sun
AG99201	Final Effluent	9/20/2020 8:10	9/20/2020 7:00	Test 6 Sat
AG99355	Final Effluent	9/20/2020 23:59	9/20/2020 23:59	Test 1 Mon
AG99464	Final Effluent	9/21/2020 8:07	9/21/2020 7:00	Test 6 Sat
AG99624	Final Effluent	9/21/2020 23:59	9/21/2020 23:59	Test 2 Tues
AG99732	Final Effluent	9/22/2020 8:05	9/22/2020 7:00	Test 6 Sat
AG99958	Final Effluent	9/22/2020 23:59	9/22/2020 23:59	Test 3 Wed
AH00066	Final Effluent	9/23/2020 8:08	9/23/2020 7:00	Test 6 Sat
AH00237	Final Effluent	9/23/2020 23:59	9/23/2020 23:59	Test 4 Thur
AH00345	Final Effluent	9/24/2020 7:45	9/24/2020 7:00	Test 6 Sat
AH00507	Final Effluent	9/24/2020 23:59	9/24/2020 23:59	Test 5 Fri
AH00612	Final Effluent	9/25/2020 7:51	9/25/2020 7:00	Test 6 Sat
AH00768	Final Effluent	9/25/2020 23:59	9/25/2020 23:59	TEST 6 Sat
AH00856	Final Effluent	9/26/2020 8:40	9/26/2020 7:00	Test 6 Sat
AH01015	Final Effluent	9/26/2020 23:59	9/26/2020 23:59	TEST 7 Sun
AH01103	Final Effluent	9/27/2020 8:30	9/27/2020 7:00	Test 6 Sat
AH01255	Final Effluent	9/27/2020 23:59	9/27/2020 23:59	Test 1 Mon
AH01364	Final Effluent	9/28/2020 7:55	9/28/2020 7:00	Test 6 Sat
AH01529	Final Effluent	9/28/2020 23:59	9/28/2020 23:59	Test 2 Tues
AH01637	Final Effluent	9/29/2020 8:00	9/29/2020 7:00	Test 6 Sat
AH01804	Final Effluent	9/29/2020 23:59	9/29/2020 23:59	Test 3 Wed
AH01912	Final Effluent	9/30/2020 7:46	9/30/2020 7:00	Test 6 Sat
AH02066	Final Effluent	9/30/2020 23:59	9/30/2020 23:59	Test 4 Thur
AH02181	Final Effluent	10/1/2020 7:58	10/1/2020 7:00	Test 6 Sat
AH02362	Final Effluent	10/1/2020 23:59	10/1/2020 23:59	Test 5 Fri
AH02467	Final Effluent	10/2/2020 8:12	10/2/2020 7:00	Test 6 Sat
AH02637	Final Effluent	10/2/2020 23:59	10/2/2020 23:59	TEST 6 Sat
AH02725	Final Effluent	10/3/2020 8:21	10/3/2020 7:00	Test 6 Sat
AH02876	Final Effluent	10/3/2020 23:59	10/3/2020 23:59	TEST 7 Sun
AH02964	Final Effluent	10/4/2020 8:12	10/4/2020 7:00	Test 6 Sat
AH03122	Final Effluent	10/4/2020 23:59	10/4/2020 23:59	Test 1 Mon
AH03231	Final Effluent	10/5/2020 8:06	10/5/2020 7:00	Test 6 Sat
AH03416	Final Effluent	10/5/2020 23:59	10/5/2020 23:59	Test 2 Tues
AH03523	Final Effluent	10/6/2020 8:17	10/6/2020 7:00	Test 6 Sat
AH03703	Final Effluent	10/6/2020 23:59	10/6/2020 23:59	Test 3 Wed
AH03808	Final Effluent	10/7/2020 7:53	10/7/2020 7:00	Test 6 Sat

AH03974	Final Effluent	10/7/2020 23:59	10/7/2020 23:59	Test 4 Thur
AH04089	Final Effluent	10/8/2020 7:54	10/8/2020 7:00	Test 6 Sat
AH04250	Final Effluent	10/8/2020 23:59	10/8/2020 23:59	Test 5 Fri
AH04355	Final Effluent	10/9/2020 8:13	10/9/2020 7:00	Test 6 Sat
AH04509	Final Effluent	10/9/2020 23:59	10/9/2020 23:59	TEST 6 Sat
AH04597	Final Effluent	10/10/2020 8:04	10/10/2020 7:00	Test 6 Sat
AH04747	Final Effluent	10/10/2020 23:59	10/10/2020 23:59	TEST 7 Sun
AH04843	Final Effluent	10/11/2020 8:24	10/11/2020 7:00	Test 6 Sat
AH04995	Final Effluent	10/11/2020 23:59	10/11/2020 23:59	Test 1 Mon
AH05107	Final Effluent	10/12/2020 8:15	10/12/2020 7:00	Test 6 Sat
AH05264	Final Effluent	10/12/2020 23:59	10/12/2020 23:59	Test 2 Tues
AH05364	Final Effluent	10/13/2020 8:00	10/13/2020 7:00	Test 6 Sat
AH05551	Final Effluent	10/13/2020 23:59	10/13/2020 23:59	Test 3 Wed
AH05659	Final Effluent	10/14/2020 7:45	10/14/2020 7:00	Test 6 Sat
AH05834	Final Effluent	10/14/2020 23:59	10/14/2020 23:59	Test 4 Thur
AH05942	Final Effluent	10/15/2020 8:05	10/15/2020 7:00	Test 6 Sat
AH06108	Final Effluent	10/15/2020 23:59	10/15/2020 23:59	Test 5 Fri
AH06201	Final Effluent	10/16/2020 8:15	10/16/2020 7:00	Test 6 Sat
AH06397	Final Effluent	10/16/2020 23:59	10/16/2020 23:59	TEST 6 Sat
AH06485	Final Effluent	10/17/2020 8:23	10/17/2020 7:00	Test 6 Sat
AH06638	Final Effluent	10/17/2020 23:59	10/17/2020 23:59	TEST 7 Sun
AH06726	Final Effluent	10/18/2020 8:39	10/18/2020 7:00	Test 6 Sat
AH06883	Final Effluent	10/18/2020 23:59	10/18/2020 23:59	Test 1 Mon
AH06995	Final Effluent	10/19/2020 8:03	10/19/2020 7:00	Test 6 Sat
AH07170	Final Effluent	10/19/2020 23:59	10/19/2020 23:59	Test 2 Tues
AH07274	Final Effluent	10/20/2020 7:59	10/20/2020 7:00	Test 6 Sat
AH07448	Final Effluent	10/20/2020 23:59	10/20/2020 23:59	Test 3 Wed
AH07553	Final Effluent	10/21/2020 7:56	10/21/2020 7:00	Test 6 Sat
AH07714	Final Effluent	10/21/2020 23:59	10/21/2020 23:59	Test 4 Thur
AH07819	Final Effluent	10/22/2020 8:03	10/22/2020 7:00	Test 6 Sat
AH07986	Final Effluent	10/22/2020 23:59	10/22/2020 23:59	Test 5 Fri
AH08090	Final Effluent	10/23/2020 8:56	10/23/2020 7:00	Test 6 Sat
AH08256	Final Effluent	10/23/2020 23:59	10/23/2020 23:59	TEST 6 Sat
AH08344	Final Effluent	10/24/2020 8:45	10/24/2020 7:00	Test 6 Sat
AH08501	Final Effluent	10/24/2020 23:59	10/24/2020 23:59	TEST 7 Sun
AH08589	Final Effluent	10/25/2020 9:00	10/25/2020 7:00	Test 6 Sat
AH08733	Final Effluent	10/25/2020 23:59	10/25/2020 23:59	Test 1 Mon
AH08853	Final Effluent	10/26/2020 8:02	10/26/2020 7:00	Test 6 Sat
AH09021	Final Effluent	10/26/2020 23:59	10/26/2020 23:59	Test 2 Tues
AH09126	Final Effluent	10/27/2020 8:13	10/27/2020 7:00	Test 6 Sat
AH09307	Final Effluent	10/27/2020 23:59	10/27/2020 23:59	Test 3 Wed
AH09415	Final Effluent	10/28/2020 8:12	10/28/2020 7:00	Test 6 Sat
AH09581	Final Effluent	10/28/2020 23:59	10/28/2020 23:59	Test 4 Thur
AH09696	Final Effluent	10/29/2020 8:10	10/29/2020 7:00	Test 6 Sat
AH09855	Final Effluent	10/29/2020 23:59	10/29/2020 23:59	Test 5 Fri
AH09960	Final Effluent	10/30/2020 8:07	10/30/2020 7:00	Test 6 Sat
AH10121	Final Effluent	10/30/2020 23:59	10/30/2020 23:59	TEST 6 Sat

AH10209	Final Effluent	10/31/2020 8:08	10/31/2020 7:00	Test 6 Sat
AH10353	Final Effluent	10/31/2020 23:59	10/31/2020 23:59	TEST 7 Sun
AH10449	Final Effluent	11/1/2020 8:05	11/1/2020 7:00	Test 6 Sat
AH10618	Final Effluent	11/1/2020 23:59	11/1/2020 23:59	Test 1 Mon
AH10730	Final Effluent	11/2/2020 8:32	11/2/2020 7:00	Test 6 Sat
AH10905	Final Effluent	11/2/2020 23:59	11/2/2020 23:59	Test 2 Tues
AH11010	Final Effluent	11/3/2020 7:57	11/3/2020 7:00	Test 6 Sat
AH11202	Final Effluent	11/3/2020 23:59	11/3/2020 23:59	Test 3 Wed
AH11318	Final Effluent	11/4/2020 8:09	11/4/2020 7:00	Test 6 Sat
AH11487	Final Effluent	11/4/2020 23:59	11/4/2020 23:59	Test 4 Thur
AH11595	Final Effluent	11/5/2020 7:55	11/5/2020 7:00	Test 6 Sat
AH11756	Final Effluent	11/5/2020 23:59	11/5/2020 23:59	Test 5 Fri
AH11861	Final Effluent	11/6/2020 7:59	11/6/2020 7:00	Test 6 Sat
AH12015	Final Effluent	11/6/2020 23:59	11/6/2020 23:59	TEST 6 Sat
AH12111	Final Effluent	11/7/2020 7:57	11/7/2020 7:00	Test 6 Sat
AH12268	Final Effluent	11/7/2020 23:59	11/7/2020 23:59	TEST 7 Sun
AH12356	Final Effluent	11/8/2020 8:08	11/8/2020 7:00	Test 6 Sat
AH12508	Final Effluent	11/8/2020 23:59	11/8/2020 23:59	Test 1 Mon
AH12620	Final Effluent	11/9/2020 7:00	11/9/2020 8:00	Test 6 Sat
AH12787	Final Effluent	11/9/2020 23:59	11/9/2020 23:59	Test 2 Tues
AH12892	Final Effluent	11/10/2020 8:12	11/10/2020 7:00	Test 6 Sat
AH13077	Final Effluent	11/10/2020 23:59	11/10/2020 23:59	Test 3 Wed
AH13185	Final Effluent	11/11/2020 8:25	11/11/2020 7:00	Test 6 Sat
AH13355	Final Effluent	11/11/2020 23:59	11/11/2020 23:59	Test 4 Thur
AH13463	Final Effluent	11/12/2020 8:05	11/12/2020 7:00	Test 6 Sat
AH13629	Final Effluent	11/12/2020 23:59	11/12/2020 23:59	Test 5 Fri
AH13741	Final Effluent	11/13/2020 8:02	11/13/2020 7:00	Test 6 Sat
AH13912	Final Effluent	11/13/2020 23:59	11/13/2020 23:59	TEST 6 Sat
AH14000	Final Effluent	11/14/2020 8:08	11/14/2020 7:00	Test 6 Sat
AH14154	Final Effluent	11/14/2020 23:59	11/14/2020 23:59	TEST 7 Sun
AH14242	Final Effluent	11/15/2020 8:15	11/15/2020 7:00	Test 6 Sat
AH14391	Final Effluent	11/15/2020 23:59	11/15/2020 23:59	Test 1 Mon
AH14511	Final Effluent	11/16/2020 8:00	11/16/2020 7:00	Test 6 Sat
AH14676	Final Effluent	11/16/2020 23:59	11/16/2020 23:59	Test 2 Tues
AH14780	Final Effluent	11/17/2020 8:13	11/17/2020 7:00	Test 6 Sat
AH14956	Final Effluent	11/17/2020 23:59	11/17/2020 23:59	Test 3 Wed
AH15061	Final Effluent	11/18/2020 8:18	11/18/2020 7:00	Test 6 Sat
AH15226	Final Effluent	11/18/2020 23:59	11/18/2020 23:59	Test 4 Thur
AH15331	Final Effluent	11/19/2020 8:07	11/19/2020 7:00	Test 6 Sat
AH15503	Final Effluent	11/19/2020 23:59	11/19/2020 23:59	Test 5 Fri
AH15607	Final Effluent	11/20/2020 8:15	11/20/2020 7:00	Test 6 Sat
AH15812	Final Effluent	11/20/2020 23:59	11/20/2020 23:59	TEST 6 Sat
AH15900	Final Effluent	11/21/2020 8:15	11/21/2020 7:00	Test 6 Sat
AH16057	Final Effluent	11/21/2020 23:59	11/21/2020 23:59	TEST 7 Sun
AH16145	Final Effluent	11/22/2020 9:00	11/22/2020 7:00	Test 6 Sat
AH16297	Final Effluent	11/22/2020 23:59	11/22/2020 23:59	Test 1 Mon
AH16409	Final Effluent	11/23/2020 8:07	11/23/2020 7:00	Test 6 Sat

AH16594	Final Effluent	11/23/2020 23:59	11/23/2020 23:59	Test 2 Tues
AH16687	Final Effluent	11/24/2020 8:11	11/24/2020 7:00	Test 6 Sat
AH16864	Final Effluent	11/24/2020 23:59	11/24/2020 23:59	Test 3 Wed
AH16972	Final Effluent	11/25/2020 8:08	11/25/2020 7:00	Test 6 Sat
AH17130	Final Effluent	11/25/2020 23:59	11/25/2020 23:59	Test 4 Thur
AH17238	Final Effluent	11/26/2020 8:13	11/26/2020 7:00	Test 6 Sat
AH17394	Final Effluent	11/26/2020 23:59	11/26/2020 23:59	Test 5 Fri
AH17487	Final Effluent	11/27/2020 8:12	11/27/2020 7:00	Test 6 Sat
AH17656	Final Effluent	11/27/2020 23:59	11/27/2020 23:59	TEST 6 Sat
AH17744	Final Effluent	11/28/2020 8:16	11/28/2020 7:00	Test 6 Sat
AH17896	Final Effluent	11/28/2020 23:59	11/28/2020 23:59	TEST 7 Sun
AH17984	Final Effluent	11/29/2020 7:00	11/29/2020 7:00	Test 6 Sat
AH18143	Final Effluent	11/29/2020 23:59	11/29/2020 23:59	Test 1 Mon
AH18243	Final Effluent	11/30/2020 8:05	11/30/2020 7:00	Test 6 Sat
AH18433	Final Effluent	11/30/2020 23:59	11/30/2020 23:59	Test 2 Tues
AH18542	Final Effluent	12/1/2020 8:10	12/1/2020 7:00	Test 6 Sat
AH18733	Final Effluent	12/1/2020 23:59	12/1/2020 23:59	Test 3 Wed
AH18847	Final Effluent	12/2/2020 8:00	12/2/2020 7:00	Test 6 Sat
AH19030	Final Effluent	12/2/2020 23:59	12/2/2020 23:59	Test 4 Thur
AH19127	Final Effluent	12/3/2020 8:18	12/3/2020 7:00	Test 6 Sat
AH19323	Final Effluent	12/3/2020 23:59	12/3/2020 23:59	Test 5 Fri
AH19432	Final Effluent	12/4/2020 8:01	12/4/2020 7:00	Test 6 Sat
AH19623	Final Effluent	12/4/2020 23:59	12/4/2020 23:59	TEST 6 Sat
AH19715	Final Effluent	12/5/2020 8:27	12/5/2020 7:00	Test 6 Sat
AH19880	Final Effluent	12/5/2020 23:59	12/5/2020 23:59	TEST 7 Sun
AH19971	Final Effluent	12/6/2020 8:31	12/6/2020 7:00	Test 6 Sat
AH20137	Final Effluent	12/6/2020 23:59	12/6/2020 23:59	Test 1 Mon
AH20250	Final Effluent	12/7/2020 8:00	12/7/2020 7:00	Test 6 Sat
AH20427	Final Effluent	12/7/2020 23:59	12/7/2020 23:59	Test 2 Tues
AH20536	Final Effluent	12/8/2020 8:11	12/8/2020 7:00	Test 6 Sat
AH20731	Final Effluent	12/8/2020 23:59	12/8/2020 23:59	Test 3 Wed
AH20843	Final Effluent	12/9/2020 8:03	12/9/2020 7:00	Test 6 Sat
AH21015	Final Effluent	12/9/2020 23:59	12/9/2020 23:59	Test 4 Thur
AH21127	Final Effluent	12/10/2020 7:58	12/10/2020 7:00	Test 6 Sat
AH21305	Final Effluent	12/10/2020 23:59	12/10/2020 23:59	Test 5 Fri
AH21413	Final Effluent	12/11/2020 8:04	12/11/2020 7:00	Test 6 Sat
AH21589	Final Effluent	12/11/2020 23:59	12/11/2020 23:59	TEST 6 Sat
AH21680	Final Effluent	12/12/2020 8:11	12/12/2020 7:00	Test 6 Sat
AH21846	Final Effluent	12/12/2020 23:59	12/12/2020 23:59	TEST 7 Sun
AH21937	Final Effluent	12/13/2020 8:20	12/13/2020 7:00	Test 6 Sat
AH22102	Final Effluent	12/13/2020 23:59	12/13/2020 23:59	Test 1 Mon
AH22219	Final Effluent	12/14/2020 8:04	12/14/2020 7:00	Test 6 Sat
AH22396	Final Effluent	12/14/2020 23:59	12/14/2020 23:59	Test 2 Tues
AH22505	Final Effluent	12/15/2020 8:11	12/15/2020 7:00	Test 6 Sat
AH22674	Final Effluent	12/15/2020 23:59	12/15/2020 23:59	Test 3 Wed
AH22779	Final Effluent	12/16/2020 8:00	12/16/2020 7:00	Test 6 Sat
AH22967	Final Effluent	12/16/2020 23:59	12/16/2020 23:59	Test 4 Thur

AH23079	Final Effluent	12/17/2020 8:10	12/17/2020 7:00	Test 6 Sat
AH23254	Final Effluent	12/17/2020 23:59	12/17/2020 23:59	Test 5 Fri
AH23363	Final Effluent	12/18/2020 7:00	12/18/2020 7:00	Test 6 Sat
AH23531	Final Effluent	12/18/2020 23:59	12/18/2020 23:59	TEST 6 Sat
AH23631	Final Effluent	12/19/2020 8:25	12/19/2020 7:00	Test 6 Sat
AH23796	Final Effluent	12/19/2020 23:59	12/19/2020 23:59	TEST 7 Sun
AH23887	Final Effluent	12/20/2020 8:47	12/20/2020 7:00	Test 6 Sat
AH24052	Final Effluent	12/20/2020 23:59	12/20/2020 23:59	Test 1 Mon
AH24168	Final Effluent	12/21/2020 8:20	12/21/2020 7:00	Test 6 Sat
AH24336	Final Effluent	12/21/2020 23:59	12/21/2020 23:59	Test 2 Tues
AH24453	Final Effluent	12/22/2020 8:01	12/22/2020 7:00	Test 6 Sat
AH24659	Final Effluent	12/22/2020 23:59	12/22/2020 23:59	Test 3 Wed
AH24771	Final Effluent	12/23/2020 7:59	12/23/2020 7:00	Test 6 Sat
AH24941	Final Effluent	12/23/2020 23:59	12/23/2020 23:59	Test 4 Thur
AH25053	Final Effluent	12/24/2020 7:51	12/24/2020 7:00	Test 6 Sat
AH25210	Final Effluent	12/24/2020 23:59	12/24/2020 23:59	Test 5 Fri
AH25326	Final Effluent	12/25/2020 8:31	12/25/2020 7:00	Test 6 Sat
AH25492	Final Effluent	12/25/2020 23:59	12/25/2020 23:59	TEST 6 Sat
AH25585	Final Effluent	12/26/2020 8:12	12/26/2020 7:00	Test 6 Sat
AH25750	Final Effluent	12/26/2020 23:59	12/26/2020 23:59	TEST 7 Sun
AH25843	Final Effluent	12/27/2020 8:13	12/27/2020 7:00	Test 6 Sat
AH26000	Final Effluent	12/27/2020 23:59	12/27/2020 23:59	Test 1 Mon
AH26125	Final Effluent	12/28/2020 8:08	12/28/2020 7:00	Test 6 Sat
AH26293	Final Effluent	12/28/2020 23:59	12/28/2020 23:59	Test 2 Tues
AH26402	Final Effluent	12/29/2020 8:20	12/29/2020 7:00	Test 6 Sat
AH26585	Final Effluent	12/29/2020 23:59	12/29/2020 23:59	Test 3 Wed
AH26697	Final Effluent	12/30/2020 8:08	12/30/2020 7:00	Test 6 Sat
AH26867	Final Effluent	12/30/2020 23:59	12/30/2020 23:59	Test 4 Thur
AH26979	Final Effluent	12/31/2020 8:35	12/31/2020 7:00	Test 6 Sat
AH27154	Final Effluent	12/31/2020 23:59	12/31/2020 23:59	Test 5 Fri
AH27262	Final Effluent	1/1/2021 8:23	1/1/2021 7:00	Test 6 Sat
AH27438	Final Effluent	1/1/2021 23:59	1/1/2021 23:59	TEST 6 Sat
AH27530	Final Effluent	1/2/2021 8:20	1/2/2021 7:00	Test 6 Sat
AH27695	Final Effluent	1/2/2021 23:59	1/2/2021 23:59	TEST 7 Sun
AH27787	Final Effluent	1/3/2021 8:36	1/3/2021 7:00	Test 6 Sat
AH27952	Final Effluent	1/3/2021 23:59	1/3/2021 23:59	Test 1 Mon
AH28069	Final Effluent	1/4/2021 8:36	1/4/2021 7:00	Test 6 Sat
AH28256	Final Effluent	1/4/2021 23:59	1/4/2021 23:59	Test 2 Tues
AH28364	Final Effluent	1/5/2021 8:12	1/5/2021 7:00	Test 6 Sat
AH28558	Final Effluent	1/5/2021 23:59	1/5/2021 23:59	Test 3 Wed
AH28669	Final Effluent	1/6/2021 8:06	1/6/2021 7:00	Test 6 Sat
AH28861	Final Effluent	1/6/2021 23:59	1/6/2021 23:59	Test 4 Thur
AH28974	Final Effluent	1/7/2021 8:06	1/7/2021 7:00	Test 6 Sat
AH29141	Final Effluent	1/7/2021 23:59	1/7/2021 23:59	Test 5 Fri
AH29250	Final Effluent	1/8/2021 8:09	1/8/2021 7:00	Test 6 Sat
AH29418	Final Effluent	1/8/2021 23:59	1/8/2021 23:59	TEST 6 Sat
AH29519	Final Effluent	1/9/2021 8:02	1/9/2021 7:00	Test 6 Sat

AH29684	Final Effluent	1/9/2021 23:59	1/9/2021 23:59	TEST 7 Sun
AH29777	Final Effluent	1/10/2021 8:10	1/10/2021 7:00	Test 6 Sat
AH29942	Final Effluent	1/10/2021 23:59	1/10/2021 23:59	Test 1 Mon
AH30059	Final Effluent	1/11/2021 8:02	1/11/2021 7:00	Test 6 Sat
AH30220	Final Effluent	1/11/2021 23:59	1/11/2021 23:59	Test 2 Tues
AH30332	Final Effluent	1/12/2021 7:59	1/12/2021 7:00	Test 6 Sat
AH30505	Final Effluent	1/12/2021 23:59	1/12/2021 23:59	Test 3 Wed
AH30617	Final Effluent	1/13/2021 8:12	1/13/2021 7:00	Test 6 Sat
AH30804	Final Effluent	1/13/2021 23:59	1/13/2021 23:59	Test 4 Thur
AH30917	Final Effluent	1/14/2021 8:01	1/14/2021 7:00	Test 6 Sat
AH31090	Final Effluent	1/14/2021 23:59	1/14/2021 23:59	Test 5 Fri
AH31193	Final Effluent	1/15/2021 8:01	1/15/2021 7:00	Test 6 Sat
AH31368	Final Effluent	1/15/2021 23:59	1/15/2021 23:59	TEST 6 Sat
AH31461	Final Effluent	1/16/2021 8:47	1/16/2021 7:00	Test 6 Sat
AH31629	Final Effluent	1/16/2021 23:59	1/16/2021 23:59	TEST 7 Sun
AH31722	Final Effluent	1/17/2021 8:50	1/17/2021 7:00	Test 6 Sat
AH31887	Final Effluent	1/17/2021 23:59	1/17/2021 23:59	Test 1 Mon
AH31997	Final Effluent	1/18/2021 8:16	1/18/2021 7:00	Test 6 Sat
AH32171	Final Effluent	1/18/2021 23:59	1/18/2021 23:59	Test 2 Tues
AH32279	Final Effluent	1/19/2021 8:01	1/19/2021 7:00	Test 6 Sat
AH32459	Final Effluent	1/19/2021 23:59	1/19/2021 23:59	Test 3 Wed
AH32571	Final Effluent	1/20/2021 8:11	1/20/2021 7:00	Test 6 Sat
AH32748	Final Effluent	1/20/2021 23:59	1/20/2021 23:59	Test 4 Thur
AH32861	Final Effluent	1/21/2021 8:01	1/21/2021 7:00	Test 6 Sat
AH33036	Final Effluent	1/21/2021 23:59	1/21/2021 23:59	Test 5 Fri
AH33145	Final Effluent	1/22/2021 8:03	1/22/2021 7:00	Test 6 Sat
AH33314	Final Effluent	1/22/2021 23:59	1/22/2021 23:59	TEST 6 Sat
AH33407	Final Effluent	1/23/2021 8:28	1/23/2021 7:00	Test 6 Sat
AH33572	Final Effluent	1/23/2021 23:59	1/23/2021 23:59	TEST 7 Sun
AH33665	Final Effluent	1/24/2021 8:17	1/24/2021 7:00	Test 6 Sat
AH33832	Final Effluent	1/24/2021 23:59	1/24/2021 23:59	Test 1 Mon
AH33949	Final Effluent	1/25/2021 8:00	1/25/2021 7:00	Test 6 Sat
AH34124	Final Effluent	1/25/2021 23:59	1/25/2021 23:59	Test 2 Tues
AH34233	Final Effluent	1/26/2021 8:10	1/26/2021 7:00	Test 6 Sat
AH34429	Final Effluent	1/26/2021 23:59	1/26/2021 23:59	Test 3 Wed
AH34541	Final Effluent	1/27/2021 7:58	1/27/2021 7:00	Test 6 Sat
AH34709	Final Effluent	1/27/2021 23:59	1/27/2021 23:59	Test 4 Thur
AH34822	Final Effluent	1/28/2021 8:07	1/28/2021 7:00	Test 6 Sat
AH35008	Final Effluent	1/28/2021 23:59	1/28/2021 23:59	Test 5 Fri
AH35117	Final Effluent	1/29/2021 7:59	1/29/2021 7:00	Test 6 Sat
AH35314	Final Effluent	1/29/2021 23:59	1/29/2021 23:59	TEST 6 Sat
AH35408	Final Effluent	1/30/2021 8:11	1/30/2021 7:00	Test 6 Sat
AH35565	Final Effluent	1/30/2021 23:59	1/30/2021 23:59	TEST 7 Sun
AH35666	Final Effluent	1/31/2021 9:16	1/31/2021 7:00	Test 6 Sat
AH35832	Final Effluent	1/31/2021 23:59	1/31/2021 23:59	Test 1 Mon
AH35949	Final Effluent	2/1/2021 8:00	2/1/2021 7:00	Test 6 Sat
AH36142	Final Effluent	2/1/2021 23:59	2/1/2021 23:59	Test 2 Tues

AH36251	Final Effluent	2/2/2021 8:20	2/2/2021 7:00	Test 6 Sat
AH36420	Final Effluent	2/2/2021 23:59	2/2/2021 23:59	Test 3 Wed
AH36540	Final Effluent	2/3/2021 8:04	2/3/2021 7:00	Test 6 Sat
AH36720	Final Effluent	2/3/2021 23:59	2/3/2021 23:59	Test 4 Thur
AH36833	Final Effluent	2/4/2021 8:00	2/4/2021 7:00	Test 6 Sat
AH36998	Final Effluent	2/4/2021 23:59	2/4/2021 23:59	Test 5 Fri
AH37107	Final Effluent	2/5/2021 8:13	2/5/2021 7:00	Test 6 Sat
AH37274	Final Effluent	2/5/2021 23:59	2/5/2021 23:59	TEST 6 Sat
AH37367	Final Effluent	2/6/2021 8:48	2/6/2021 7:00	Test 6 Sat
AH37532	Final Effluent	2/6/2021 23:59	2/6/2021 23:59	TEST 7 Sun
AH37625	Final Effluent	2/7/2021 8:53	2/7/2021 7:00	Test 6 Sat
AH37790	Final Effluent	2/7/2021 23:59	2/7/2021 23:59	Test 1 Mon
AH37907	Final Effluent	2/8/2021 7:53	2/8/2021 7:00	Test 6 Sat
AH38078	Final Effluent	2/8/2021 23:59	2/8/2021 23:59	Test 2 Tues
AH38195	Final Effluent	2/9/2021 8:09	2/9/2021 7:00	Test 6 Sat
AH38382	Final Effluent	2/9/2021 23:59	2/9/2021 23:59	Test 3 Wed
AH38494	Final Effluent	2/10/2021 8:04	2/10/2021 7:00	Test 6 Sat
AH38661	Final Effluent	2/10/2021 23:59	2/10/2021 23:59	Test 4 Thur
AH38774	Final Effluent	2/11/2021 8:00	2/11/2021 7:00	Test 6 Sat
AH38940	Final Effluent	2/11/2021 23:59	2/11/2021 23:59	Test 5 Fri
AH39049	Final Effluent	2/12/2021 8:03	2/12/2021 7:00	Test 6 Sat
AH39222	Final Effluent	2/12/2021 23:59	2/12/2021 23:59	TEST 6 Sat
AH39315	Final Effluent	2/13/2021 8:47	2/13/2021 7:00	Test 6 Sat
AH39480	Final Effluent	2/13/2021 23:59	2/13/2021 23:59	TEST 7 Sun
AH39573	Final Effluent	2/14/2021 8:10	2/14/2021 7:00	Test 6 Sat
AH39738	Final Effluent	2/14/2021 23:59	2/14/2021 23:59	Test 1 Mon
AH39855	Final Effluent	2/15/2021 8:24	2/15/2021 7:00	Test 6 Sat
AH40020	Final Effluent	2/15/2021 23:59	2/15/2021 23:59	Test 2 Tues
AH40128	Final Effluent	2/16/2021 8:07	2/16/2021 7:00	Test 6 Sat
AH40303	Final Effluent	2/16/2021 23:59	2/16/2021 23:59	Test 3 Wed
AH40412	Final Effluent	2/17/2021 8:20	2/17/2021 7:00	Test 6 Sat
AH40596	Final Effluent	2/17/2021 23:59	2/17/2021 23:59	Test 4 Thur
AH40706	Final Effluent	2/18/2021 8:01	2/18/2021 7:00	Test 6 Sat
AH40892	Final Effluent	2/18/2021 23:59	2/18/2021 23:59	Test 5 Fri
AH41001	Final Effluent	2/19/2021 8:01	2/19/2021 7:00	Test 6 Sat
AH41179	Final Effluent	2/19/2021 23:59	2/19/2021 23:59	TEST 6 Sat
AH41272	Final Effluent	2/20/2021 8:40	2/20/2021 7:00	Test 6 Sat
AH41437	Final Effluent	2/20/2021 23:59	2/20/2021 23:59	TEST 7 Sun
AH41530	Final Effluent	2/21/2021 8:21	2/21/2021 7:00	Test 6 Sat
AH41695	Final Effluent	2/21/2021 23:59	2/21/2021 23:59	Test 1 Mon
AH41812	Final Effluent	2/22/2021 7:58	2/22/2021 7:00	Test 6 Sat
AH41987	Final Effluent	2/22/2021 23:59	2/22/2021 23:59	Test 2 Tues
AH42096	Final Effluent	2/23/2021 8:01	2/23/2021 7:00	Test 6 Sat
AH42273	Final Effluent	2/23/2021 23:59	2/23/2021 23:59	Test 3 Wed
AH42385	Final Effluent	2/24/2021 8:01	2/24/2021 7:00	Test 6 Sat
AH42559	Final Effluent	2/24/2021 23:59	2/24/2021 23:59	Test 4 Thur
AH42672	Final Effluent	2/25/2021 7:58	2/25/2021 7:00	Test 6 Sat

AH42901	Final Effluent	2/25/2021 23:59	2/25/2021 23:59	Test 5 Fri
AH43010	Final Effluent	2/26/2021 7:55	2/26/2021 7:00	Test 6 Sat
AH43177	Final Effluent	2/26/2021 23:59	2/26/2021 23:59	TEST 6 Sat
AH43270	Final Effluent	2/27/2021 8:40	2/27/2021 7:00	Test 6 Sat
AH43435	Final Effluent	2/27/2021 23:59	2/27/2021 23:59	TEST 7 Sun
AH43528	Final Effluent	2/28/2021 8:48	2/28/2021 7:00	Test 6 Sat
AH43694	Final Effluent	2/28/2021 23:59	2/28/2021 23:59	Test 1 Mon
AH43811	Final Effluent	3/1/2021 7:58	3/1/2021 7:00	Test 6 Sat
AH43995	Final Effluent	3/1/2021 23:59	3/1/2021 23:59	Test 2 Tues
AH44104	Final Effluent	3/2/2021 8:04	3/2/2021 7:00	Test 6 Sat
AH44283	Final Effluent	3/2/2021 23:59	3/2/2021 23:59	Test 3 Wed
AH44395	Final Effluent	3/3/2021 7:59	3/3/2021 7:00	Test 6 Sat
AH44569	Final Effluent	3/3/2021 23:59	3/3/2021 23:59	Test 4 Thur
AH44682	Final Effluent	3/4/2021 7:57	3/4/2021 7:00	Test 6 Sat
AH44848	Final Effluent	3/4/2021 23:59	3/4/2021 23:59	Test 5 Fri
AH44959	Final Effluent	3/5/2021 7:55	3/5/2021 7:00	Test 6 Sat
AH45132	Final Effluent	3/5/2021 23:59	3/5/2021 23:59	TEST 6 Sat
AH45225	Final Effluent	3/6/2021 8:15	3/6/2021 7:00	Test 6 Sat
AH45390	Final Effluent	3/6/2021 23:59	3/6/2021 23:59	TEST 7 Sun
AH45483	Final Effluent	3/7/2021 8:30	3/7/2021 7:00	Test 6 Sat
AH45648	Final Effluent	3/7/2021 23:59	3/7/2021 23:59	Test 1 Mon
AH45765	Final Effluent	3/8/2021 7:58	3/8/2021 7:00	Test 6 Sat
AH45937	Final Effluent	3/8/2021 23:59	3/8/2021 23:59	Test 2 Tues
AH46040	Final Effluent	3/9/2021 7:57	3/9/2021 7:00	Test 6 Sat
AH46228	Final Effluent	3/9/2021 23:59	3/9/2021 23:59	Test 3 Wed
AH46339	Final Effluent	3/10/2021 7:55	3/10/2021 7:00	Test 6 Sat
AH46512	Final Effluent	3/10/2021 23:59	3/10/2021 23:59	Test 4 Thur
AH46624	Final Effluent	3/11/2021 8:02	3/11/2021 7:00	Test 6 Sat
AH46801	Final Effluent	3/11/2021 23:59	3/11/2021 23:59	Test 5 Fri
AH46903	Final Effluent	3/12/2021 7:56	3/12/2021 7:00	Test 6 Sat
AH47081	Final Effluent	3/12/2021 23:59	3/12/2021 23:59	TEST 6 Sat
AH47173	Final Effluent	3/13/2021 8:27	3/13/2021 7:00	Test 6 Sat
AH47338	Final Effluent	3/13/2021 23:59	3/13/2021 23:59	TEST 7 Sun
AH47416	Final Effluent	3/14/2021 8:35	3/14/2021 7:00	Test 6 Sat
AH47581	Final Effluent	3/14/2021 23:59	3/14/2021 23:59	Test 1 Mon
AH47688	Final Effluent	3/15/2021 7:57	3/15/2021 7:00	Test 6 Sat
AH47869	Final Effluent	3/15/2021 23:59	3/15/2021 23:59	Test 2 Tues
AH47976	Final Effluent	3/16/2021 8:00	3/16/2021 7:00	Test 6 Sat
AH48172	Final Effluent	3/16/2021 23:59	3/16/2021 23:59	Test 3 Wed
AH48283	Final Effluent	3/17/2021 8:02	3/17/2021 7:00	Test 6 Sat
AH48462	Final Effluent	3/17/2021 23:59	3/17/2021 23:59	Test 4 Thur
AH48569	Final Effluent	3/18/2021 8:01	3/18/2021 7:00	Test 6 Sat
AH48746	Final Effluent	3/18/2021 23:59	3/18/2021 23:59	Test 5 Fri
AH48855	Final Effluent	3/19/2021 7:59	3/19/2021 7:00	Test 6 Sat
AH49025	Final Effluent	3/19/2021 23:59	3/19/2021 23:59	TEST 6 Sat
AH49118	Final Effluent	3/20/2021 8:06	3/20/2021 7:00	Test 6 Sat
AH49283	Final Effluent	3/20/2021 23:59	3/20/2021 23:59	TEST 7 Sun

AH49376	Final Effluent	3/21/2021 8:12	3/21/2021 7:00	Test 6 Sat
AH49540	Final Effluent	3/21/2021 23:59	3/21/2021 23:59	Test 1 Mon
AH49657	Final Effluent	3/22/2021 8:00	3/22/2021 7:00	Test 6 Sat
AH49840	Final Effluent	3/22/2021 23:59	3/22/2021 23:59	Test 2 Tues
AH49948	Final Effluent	3/23/2021 7:58	3/23/2021 7:00	Test 6 Sat
AH50126	Final Effluent	3/23/2021 23:59	3/23/2021 23:59	Test 3 Wed
AH50235	Final Effluent	3/24/2021 8:00	3/24/2021 7:00	Test 6 Sat
AH50427	Final Effluent	3/24/2021 23:59	3/24/2021 23:59	Test 4 Thur
AH50537	Final Effluent	3/25/2021 8:00	3/25/2021 7:00	Test 6 Sat
AH50715	Final Effluent	3/25/2021 23:59	3/25/2021 23:59	Test 5 Fri
AH50828	Final Effluent	3/26/2021 7:58	3/26/2021 7:00	Test 6 Sat
AH51008	Final Effluent	3/26/2021 23:59	3/26/2021 23:59	TEST 6 Sat
AH51101	Final Effluent	3/27/2021 8:19	3/27/2021 7:00	Test 6 Sat
AH51258	Final Effluent	3/27/2021 23:59	3/27/2021 23:59	TEST 7 Sun
AH51359	Final Effluent	3/28/2021 8:29	3/28/2021 7:00	Test 6 Sat
AH51524	Final Effluent	3/28/2021 23:59	3/28/2021 23:59	Test 1 Mon
AH51641	Final Effluent	3/29/2021 8:04	3/29/2021 7:00	Test 6 Sat
AH51818	Final Effluent	3/29/2021 23:59	3/29/2021 23:59	Test 2 Tues
AH51926	Final Effluent	3/30/2021 7:59	3/30/2021 7:00	Test 6 Sat
AH52096	Final Effluent	3/30/2021 23:59	3/30/2021 23:59	Test 3 Wed
AH52205	Final Effluent	3/31/2021 8:03	3/31/2021 7:00	Test 6 Sat
AH52388	Final Effluent	3/31/2021 23:59	3/31/2021 23:59	Test 4 Thur
AH52499	Final Effluent	4/1/2021 8:03	4/1/2021 7:00	Test 6 Sat
AH52695	Final Effluent	4/1/2021 23:59	4/1/2021 23:59	Test 5 Fri
AH52803	Final Effluent	4/2/2021 8:00	4/2/2021 7:00	Test 6 Sat
AH52986	Final Effluent	4/2/2021 23:59	4/2/2021 23:59	TEST 6 Sat
AH53079	Final Effluent	4/3/2021 8:22	4/3/2021 7:00	Test 6 Sat
AH53250	Final Effluent	4/3/2021 23:59	4/3/2021 23:59	TEST 7 Sun
AH53343	Final Effluent	4/4/2021 8:13	4/4/2021 7:00	Test 6 Sat
AH53509	Final Effluent	4/4/2021 23:59	4/4/2021 23:59	Test 1 Mon
AH53632	Final Effluent	4/5/2021 8:00	4/5/2021 7:00	Test 6 Sat
AH53818	Final Effluent	4/5/2021 23:59	4/5/2021 23:59	Test 2 Tues
AH53933	Final Effluent	4/6/2021 8:08	4/6/2021 7:00	Test 6 Sat
AH54107	Final Effluent	4/6/2021 23:59	4/6/2021 23:59	Test 3 Wed
AH54228	Final Effluent	4/7/2021 8:00	4/7/2021 7:00	Test 6 Sat
AH54442	Final Effluent	4/7/2021 23:59	4/7/2021 23:59	Test 4 Thur
AH54555	Final Effluent	4/8/2021 8:06	4/8/2021 7:00	Test 6 Sat
AH54724	Final Effluent	4/8/2021 23:59	4/8/2021 23:59	Test 5 Fri
AH54833	Final Effluent	4/9/2021 8:03	4/9/2021 7:00	Test 6 Sat
AH54998	Final Effluent	4/9/2021 23:59	4/9/2021 23:59	TEST 6 Sat
AH55099	Final Effluent	4/10/2021 8:09	4/10/2021 7:00	Test 6 Sat
AH55265	Final Effluent	4/10/2021 23:59	4/10/2021 23:59	TEST 7 Sun
AH55358	Final Effluent	4/11/2021 8:18	4/11/2021 7:00	Test 6 Sat
AH55523	Final Effluent	4/11/2021 23:59	4/11/2021 23:59	Test 1 Mon
AH55640	Final Effluent	4/12/2021 7:58	4/12/2021 7:00	Test 6 Sat
AH55844	Final Effluent	4/12/2021 23:59	4/12/2021 23:59	Test 2 Tues
AH55953	Final Effluent	4/13/2021 8:03	4/13/2021 7:00	Test 6 Sat

AH56126	Final Effluent	4/13/2021 23:59	4/13/2021 23:59	Test 3 Wed
AH56238	Final Effluent	4/14/2021 8:03	4/14/2021 7:00	Test 6 Sat
AH56432	Final Effluent	4/14/2021 23:59	4/14/2021 23:59	Test 4 Thur
AH56545	Final Effluent	4/15/2021 8:02	4/15/2021 7:00	Test 6 Sat
AH56720	Final Effluent	4/15/2021 23:59	4/15/2021 23:59	Test 5 Fri
AH56829	Final Effluent	4/16/2021 8:00	4/16/2021 7:00	Test 6 Sat
AH57000	Final Effluent	4/16/2021 23:59	4/16/2021 23:59	TEST 6 Sat
AH57093	Final Effluent	4/17/2021 8:13	4/17/2021 7:00	Test 6 Sat
AH57258	Final Effluent	4/17/2021 23:59	4/17/2021 23:59	TEST 7 Sun
AH57351	Final Effluent	4/18/2021 8:13	4/18/2021 7:00	Test 6 Sat
AH57522	Final Effluent	4/18/2021 23:59	4/18/2021 23:59	Test 1 Mon
AH57639	Final Effluent	4/19/2021 7:58	4/19/2021 7:00	Test 6 Sat
AH57820	Final Effluent	4/19/2021 23:59	4/19/2021 23:59	Test 2 Tues
AH57929	Final Effluent	4/20/2021 7:58	4/20/2021 7:00	Test 6 Sat
AH58133	Final Effluent	4/20/2021 23:59	4/20/2021 23:59	Test 3 Wed
AH58255	Final Effluent	4/21/2021 8:03	4/21/2021 7:00	Test 6 Sat
AH58473	Final Effluent	4/21/2021 23:59	4/21/2021 23:59	Test 4 Thur
AH58596	Final Effluent	4/22/2021 8:02	4/22/2021 7:00	Test 6 Sat
AH58790	Final Effluent	4/22/2021 23:59	4/22/2021 23:59	Test 5 Fri
AH58903	Final Effluent	4/23/2021 8:00	4/23/2021 7:00	Test 6 Sat
AH59089	Final Effluent	4/23/2021 23:59	4/23/2021 23:59	TEST 6 Sat
AH59186	Final Effluent	4/24/2021 8:07	4/24/2021 7:00	Test 6 Sat
AH59362	Final Effluent	4/24/2021 23:59	4/24/2021 23:59	TEST 7 Sun
AH59459	Final Effluent	4/25/2021 8:14	4/25/2021 7:00	Test 6 Sat
AH59633	Final Effluent	4/25/2021 23:59	4/25/2021 23:59	Test 1 Mon
AH59754	Final Effluent	4/26/2021 8:02	4/26/2021 7:00	Test 6 Sat
AH59939	Final Effluent	4/26/2021 23:59	4/26/2021 23:59	Test 2 Tues
AH60052	Final Effluent	4/27/2021 7:58	4/27/2021 7:00	Test 6 Sat
AH60268	Final Effluent	4/27/2021 23:59	4/27/2021 23:59	Test 3 Wed
AH60384	Final Effluent	4/28/2021 7:59	4/28/2021 7:00	Test 6 Sat
AH60577	Final Effluent	4/28/2021 23:59	4/28/2021 23:59	Test 4 Thur
AH60694	Final Effluent	4/29/2021 8:00	4/29/2021 7:00	Test 6 Sat
AH60978	Final Effluent	4/29/2021 23:59	4/29/2021 23:59	Test 5 Fri
AH61090	Final Effluent	4/30/2021 8:00	4/30/2021 7:00	Test 6 Sat
AH61270	Final Effluent	4/30/2021 23:59	4/30/2021 23:59	TEST 6 Sat
AH61366	Final Effluent	5/1/2021 8:27	5/1/2021 7:00	Test 6 Sat
AH61556	Final Effluent	5/1/2021 23:59	5/1/2021 23:59	TEST 7 Sun
AH61652	Final Effluent	5/2/2021 9:57	5/2/2021 7:00	Test 6 Sat
AH61826	Final Effluent	5/2/2021 23:59	5/2/2021 23:59	Test 1 Mon
AH61946	Final Effluent	5/3/2021 8:01	5/3/2021 7:00	Test 6 Sat
AH62131	Final Effluent	5/3/2021 23:59	5/3/2021 23:59	Test 2 Tues
AH62240	Final Effluent	5/4/2021 8:10	5/4/2021 7:00	Test 6 Sat
AH62442	Final Effluent	5/4/2021 23:59	5/4/2021 23:59	Test 3 Wed
AH62554	Final Effluent	5/5/2021 8:01	5/5/2021 7:00	Test 6 Sat
AH62760	Final Effluent	5/5/2021 23:59	5/5/2021 23:59	Test 4 Thur
AH62874	Final Effluent	5/6/2021 8:00	5/6/2021 7:00	Test 6 Sat
AH63062	Final Effluent	5/6/2021 23:59	5/6/2021 23:59	Test 5 Fri

AH63172	Final Effluent	5/7/2021 8:03	5/7/2021 7:00	Test 6 Sat
AH63352	Final Effluent	5/7/2021 23:59	5/7/2021 23:59	TEST 6 Sat
AH63446	Final Effluent	5/8/2021 8:00	5/8/2021 7:00	Test 6 Sat
AH63620	Final Effluent	5/8/2021 23:59	5/8/2021 23:59	TEST 7 Sun
AH63714	Final Effluent	5/9/2021 8:34	5/9/2021 7:00	Test 6 Sat
AH63887	Final Effluent	5/9/2021 23:59	5/9/2021 23:59	Test 1 Mon
AH64005	Final Effluent	5/10/2021 8:02	5/10/2021 7:00	Test 6 Sat
AH64192	Final Effluent	5/10/2021 23:59	5/10/2021 23:59	Test 2 Tues
AH64302	Final Effluent	5/11/2021 7:57	5/11/2021 7:00	Test 6 Sat
AH64497	Final Effluent	5/11/2021 23:59	5/11/2021 23:59	Test 3 Wed
AH64610	Final Effluent	5/12/2021 8:01	5/12/2021 7:00	Test 6 Sat
AH64827	Final Effluent	5/12/2021 23:59	5/12/2021 23:59	Test 4 Thur
AH64941	Final Effluent	5/13/2021 8:02	5/13/2021 7:00	Test 6 Sat
AH65122	Final Effluent	5/13/2021 23:59	5/13/2021 23:59	Test 5 Fri
AH65239	Final Effluent	5/14/2021 8:03	5/14/2021 7:00	Test 6 Sat
AH65424	Final Effluent	5/14/2021 23:59	5/14/2021 23:59	TEST 6 Sat
AH65518	Final Effluent	5/15/2021 8:11	5/15/2021 7:00	Test 6 Sat
AH65697	Final Effluent	5/15/2021 23:59	5/15/2021 23:59	TEST 7 Sun
AH65791	Final Effluent	5/16/2021 8:15	5/16/2021 7:00	Test 6 Sat
AH65964	Final Effluent	5/16/2021 23:59	5/16/2021 23:59	Test 1 Mon
AH66082	Final Effluent	5/17/2021 7:58	5/17/2021 7:00	Test 6 Sat
AH66270	Final Effluent	5/17/2021 23:59	5/17/2021 23:59	Test 2 Tues
AH66380	Final Effluent	5/18/2021 8:00	5/18/2021 7:00	Test 6 Sat
AH66571	Final Effluent	5/18/2021 23:59	5/18/2021 23:59	Test 3 Wed
AH66692	Final Effluent	5/19/2021 7:57	5/19/2021 7:00	Test 6 Sat
AH66900	Final Effluent	5/19/2021 23:59	5/19/2021 23:59	Test 4 Thur
AH67014	Final Effluent	5/20/2021 8:00	5/20/2021 7:00	Test 6 Sat
AH67200	Final Effluent	5/20/2021 23:59	5/20/2021 23:59	Test 5 Fri
AH67310	Final Effluent	5/21/2021 7:56	5/21/2021 7:00	Test 6 Sat
AH67477	Final Effluent	5/21/2021 23:59	5/21/2021 23:59	TEST 6 Sat
AH67579	Final Effluent	5/22/2021 8:15	5/22/2021 7:00	Test 6 Sat
AH67753	Final Effluent	5/22/2021 23:59	5/22/2021 23:59	TEST 7 Sun
AH67847	Final Effluent	5/23/2021 8:26	5/23/2021 7:00	Test 6 Sat
AH68020	Final Effluent	5/23/2021 23:59	5/23/2021 23:59	Test 1 Mon
AH68138	Final Effluent	5/24/2021 7:58	5/24/2021 7:00	Test 6 Sat
AH68335	Final Effluent	5/24/2021 23:59	5/24/2021 23:59	Test 2 Tues
AH68445	Final Effluent	5/25/2021 7:59	5/25/2021 7:00	Test 6 Sat
AH68667	Final Effluent	5/25/2021 23:59	5/25/2021 23:59	Test 3 Wed
AH68780	Final Effluent	5/26/2021 7:59	5/26/2021 7:00	Test 6 Sat
AH68977	Final Effluent	5/26/2021 23:59	5/26/2021 23:59	Test 4 Thur
AH69091	Final Effluent	5/27/2021 8:00	5/27/2021 7:00	Test 6 Sat
AH69276	Final Effluent	5/27/2021 23:59	5/27/2021 23:59	Test 5 Fri
AH69384	Final Effluent	5/28/2021 7:56	5/28/2021 7:00	Test 6 Sat
AH69569	Final Effluent	5/28/2021 23:59	5/28/2021 23:59	TEST 6 Sat
AH69662	Final Effluent	5/29/2021 8:44	5/29/2021 7:00	Test 6 Sat
AH69842	Final Effluent	5/29/2021 23:59	5/29/2021 23:59	TEST 7 Sun
AH69935	Final Effluent	5/30/2021 8:32	5/30/2021 7:00	Test 6 Sat

AH70109	Final Effluent	5/30/2021 23:59	5/30/2021 23:59	Test 1 Mon
AH70226	Final Effluent	5/31/2021 8:50	5/31/2021 7:00	Test 6 Sat
AH70400	Final Effluent	5/31/2021 23:59	5/31/2021 23:59	Test 2 Tues
AH70509	Final Effluent	6/1/2021 7:59	6/1/2021 7:00	Test 6 Sat
AH70715	Final Effluent	6/1/2021 23:59	6/1/2021 23:59	Test 3 Wed
AH70825	Final Effluent	6/2/2021 7:59	6/2/2021 7:00	Test 6 Sat
AH71019	Final Effluent	6/2/2021 23:59	6/2/2021 23:59	Test 4 Thur
AH71142	Final Effluent	6/3/2021 7:58	6/3/2021 7:00	Test 6 Sat
AH71340	Final Effluent	6/3/2021 23:59	6/3/2021 23:59	Test 5 Fri
AH71450	Final Effluent	6/4/2021 7:58	6/4/2021 7:00	Test 6 Sat
AH71635	Final Effluent	6/4/2021 23:59	6/4/2021 23:59	TEST 6 Sat
AH71729	Final Effluent	6/5/2021 8:32	6/5/2021 7:00	Test 6 Sat
AH71896	Final Effluent	6/5/2021 23:59	6/5/2021 23:59	TEST 7 Sun
AH71986	Final Effluent	6/6/2021 8:30	6/6/2021 7:00	Test 6 Sat
AH72152	Final Effluent	6/6/2021 23:59	6/6/2021 23:59	Test 1 Mon
AH72266	Final Effluent	6/7/2021 7:58	6/7/2021 7:00	Test 6 Sat
AH72460	Final Effluent	6/7/2021 23:59	6/7/2021 23:59	Test 2 Tues
AH72574	Final Effluent	6/8/2021 8:11	6/8/2021 7:00	Test 6 Sat
AH72792	Final Effluent	6/8/2021 23:59	6/8/2021 23:59	Test 3 Wed
AH72900	Final Effluent	6/9/2021 8:01	6/9/2021 7:00	Test 6 Sat
AH73107	Final Effluent	6/9/2021 23:59	6/9/2021 23:59	Test 4 Thur
AH73217	Final Effluent	6/10/2021 8:00	6/10/2021 7:00	Test 6 Sat
AH73404	Final Effluent	6/10/2021 23:59	6/10/2021 23:59	Test 5 Fri
AH73509	Final Effluent	6/11/2021 7:57	6/11/2021 7:00	Test 6 Sat
AH73681	Final Effluent	6/11/2021 23:59	6/11/2021 23:59	TEST 6 Sat
AH73771	Final Effluent	6/12/2021 8:12	6/12/2021 7:00	Test 6 Sat
AH73943	Final Effluent	6/12/2021 23:59	6/12/2021 23:59	TEST 7 Sun
AH74033	Final Effluent	6/13/2021 7:00	6/13/2021 7:00	Test 6 Sat
AH74199	Final Effluent	6/13/2021 23:59	6/13/2021 23:59	Test 1 Mon
AH74297	Final Effluent	6/14/2021 8:03	6/14/2021 7:00	Test 6 Sat
AH74492	Final Effluent	6/14/2021 23:59	6/14/2021 23:59	Test 2 Tues
AH74598	Final Effluent	6/15/2021 8:01	6/15/2021 7:00	Test 6 Sat
AH74781	Final Effluent	6/15/2021 23:59	6/15/2021 23:59	Test 3 Wed
AH74884	Final Effluent	6/16/2021 8:01	6/16/2021 7:00	Test 6 Sat
AH75090	Final Effluent	6/16/2021 23:59	6/16/2021 23:59	Test 4 Thur
AH75200	Final Effluent	6/17/2021 7:58	6/17/2021 7:00	Test 6 Sat
AH75382	Final Effluent	6/17/2021 23:59	6/17/2021 23:59	Test 5 Fri
AH75488	Final Effluent	6/18/2021 7:56	6/18/2021 7:00	Test 6 Sat
AH75655	Final Effluent	6/18/2021 23:59	6/18/2021 23:59	TEST 6 Sat
AH75744	Final Effluent	6/19/2021 8:22	6/19/2021 7:00	Test 6 Sat
AH75909	Final Effluent	6/19/2021 23:59	6/19/2021 23:59	TEST 7 Sun
AH75999	Final Effluent	6/20/2021 7:47	6/20/2021 7:00	Test 6 Sat
AH76166	Final Effluent	6/20/2021 23:59	6/20/2021 23:59	Test 1 Mon
AH76280	Final Effluent	6/21/2021 7:58	6/21/2021 7:00	Test 6 Sat
AH76481	Final Effluent	6/21/2021 23:59	6/21/2021 23:59	Test 2 Tues
AH76587	Final Effluent	6/22/2021 8:00	6/22/2021 7:00	Test 6 Sat
AH76771	Final Effluent	6/22/2021 23:59	6/22/2021 23:59	Test 3 Wed

AH76866	Final Effluent	6/23/2021 8:05	6/23/2021 7:00	Test 6 Sat
AH77087	Final Effluent	6/23/2021 23:59	6/23/2021 23:59	Test 4 Thur
AH77196	Final Effluent	6/24/2021 7:55	6/24/2021 7:00	Test 6 Sat
AH77379	Final Effluent	6/24/2021 23:59	6/24/2021 23:59	Test 5 Fri
AH77484	Final Effluent	6/25/2021 7:57	6/25/2021 7:00	Test 6 Sat
AH77655	Final Effluent	6/25/2021 23:59	6/25/2021 23:59	TEST 6 Sat
AH77744	Final Effluent	6/26/2021 8:27	6/26/2021 7:00	Test 6 Sat
AH77916	Final Effluent	6/26/2021 23:59	6/26/2021 23:59	TEST 7 Sun
AH78005	Final Effluent	6/27/2021 8:18	6/27/2021 7:00	Test 6 Sat
AH78171	Final Effluent	6/27/2021 23:59	6/27/2021 23:59	Test 1 Mon
AH78284	Final Effluent	6/28/2021 7:58	6/28/2021 7:00	Test 6 Sat
AH78461	Final Effluent	6/28/2021 23:59	6/28/2021 23:59	Test 2 Tues
AH78561	Final Effluent	6/29/2021 7:57	6/29/2021 7:00	Test 6 Sat
AH78760	Final Effluent	6/29/2021 23:59	6/29/2021 23:59	Test 3 Wed
AH78868	Final Effluent	6/30/2021 7:57	6/30/2021 7:00	Test 6 Sat
AH79041	Final Effluent	6/30/2021 23:59	6/30/2021 23:59	Test 4 Thur
AH79150	Final Effluent	7/1/2021 8:01	7/1/2021 7:00	Test 6 Sat
AH79350	Final Effluent	7/1/2021 23:59	7/1/2021 23:59	Test 5 Fri
AH79472	Final Effluent	7/2/2021 7:52	7/2/2021 7:00	Test 6 Sat
AH79646	Final Effluent	7/2/2021 23:59	7/2/2021 23:59	TEST 6 Sat
AH79736	Final Effluent	7/3/2021 8:25	7/3/2021 7:00	Test 6 Sat
AH79902	Final Effluent	7/3/2021 23:59	7/3/2021 23:59	TEST 7 Sun
AH79992	Final Effluent	7/4/2021 8:44	7/4/2021 7:00	Test 6 Sat
AH80151	Final Effluent	7/4/2021 23:59	7/4/2021 23:59	Test 1 Mon
AH80276	Final Effluent	7/5/2021 8:13	7/5/2021 7:00	Test 6 Sat
AH80446	Final Effluent	7/5/2021 23:59	7/5/2021 23:59	Test 2 Tues
AH80551	Final Effluent	7/6/2021 8:10	7/6/2021 7:00	Test 6 Sat
AH80736	Final Effluent	7/6/2021 23:59	7/6/2021 23:59	Test 3 Wed
AH80842	Final Effluent	7/7/2021 7:00	7/7/2021 7:00	Test 6 Sat
AH81047	Final Effluent	7/7/2021 23:59	7/7/2021 23:59	Test 4 Thur
AH81154	Final Effluent	7/8/2021 7:56	7/8/2021 7:00	Test 6 Sat
AH81339	Final Effluent	7/8/2021 23:59	7/8/2021 23:59	Test 5 Fri
AH81444	Final Effluent	7/9/2021 8:08	7/9/2021 7:00	Test 6 Sat
AH81620	Final Effluent	7/9/2021 23:59	7/9/2021 23:59	TEST 6 Sat
AH81709	Final Effluent	7/10/2021 8:02	7/10/2021 7:00	Test 6 Sat
AH81881	Final Effluent	7/10/2021 23:59	7/10/2021 23:59	TEST 7 Sun
AH81970	Final Effluent	7/11/2021 8:18	7/11/2021 7:00	Test 6 Sat
AH82128	Final Effluent	7/11/2021 23:59	7/11/2021 23:59	Test 1 Mon
AH82249	Final Effluent	7/12/2021 7:53	7/12/2021 7:00	Test 6 Sat
AH82429	Final Effluent	7/12/2021 23:59	7/12/2021 23:59	Test 2 Tues
AH82541	Final Effluent	7/13/2021 8:13	7/13/2021 7:00	Test 6 Sat
AH82735	Final Effluent	7/13/2021 23:59	7/13/2021 23:59	Test 3 Wed
AH82843	Final Effluent	7/14/2021 8:11	7/14/2021 7:00	Test 6 Sat
AH83025	Final Effluent	7/14/2021 23:59	7/14/2021 23:59	Test 4 Thur
AH83127	Final Effluent	7/15/2021 8:01	7/15/2021 7:00	Test 6 Sat
AH83307	Final Effluent	7/15/2021 23:59	7/15/2021 23:59	Test 5 Fri
AH83412	Final Effluent	7/16/2021 8:07	7/16/2021 7:00	Test 6 Sat

AH83612	Final Effluent	7/16/2021 23:59	7/16/2021 23:59	TEST 6 Sat
AH83703	Final Effluent	7/17/2021 8:14	7/17/2021 7:00	Test 6 Sat
AH83868	Final Effluent	7/17/2021 23:59	7/17/2021 23:59	TEST 7 Sun
AH83960	Final Effluent	7/18/2021 8:13	7/18/2021 7:00	Test 6 Sat
AH84130	Final Effluent	7/18/2021 23:59	7/18/2021 23:59	Test 1 Mon
AH84247	Final Effluent	7/19/2021 8:14	7/19/2021 7:00	Test 6 Sat
AH84421	Final Effluent	7/19/2021 23:59	7/19/2021 23:59	Test 2 Tues
AH84528	Final Effluent	7/20/2021 8:00	7/20/2021 7:00	Test 6 Sat
AH84713	Final Effluent	7/20/2021 23:59	7/20/2021 23:59	Test 3 Wed
AH84821	Final Effluent	7/21/2021 8:10	7/21/2021 7:00	Test 6 Sat
AH85021	Final Effluent	7/21/2021 23:59	7/21/2021 23:59	Test 4 Thur
AH85130	Final Effluent	7/22/2021 8:02	7/22/2021 7:00	Test 6 Sat
AH85321	Final Effluent	7/22/2021 23:59	7/22/2021 23:59	Test 5 Fri
AH85421	Final Effluent	7/23/2021 8:00	7/23/2021 7:00	Test 6 Sat
AH85608	Final Effluent	7/23/2021 23:59	7/23/2021 23:59	TEST 6 Sat
AH85705	Final Effluent	7/24/2021 8:39	7/24/2021 7:00	Test 6 Sat
AH85877	Final Effluent	7/24/2021 23:59	7/24/2021 23:59	TEST 7 Sun
AH85968	Final Effluent	7/25/2021 8:51	7/25/2021 7:00	Test 6 Sat
AH86139	Final Effluent	7/25/2021 23:59	7/25/2021 23:59	Test 1 Mon
AH86254	Final Effluent	7/26/2021 8:13	7/26/2021 7:00	Test 6 Sat
AH86430	Final Effluent	7/26/2021 23:59	7/26/2021 23:59	Test 2 Tues
AH86537	Final Effluent	7/27/2021 7:57	7/27/2021 7:00	Test 6 Sat
AH86730	Final Effluent	7/27/2021 23:59	7/27/2021 23:59	Test 3 Wed
AH86840	Final Effluent	7/28/2021 8:02	7/28/2021 7:00	Test 6 Sat
AH87016	Final Effluent	7/28/2021 23:59	7/28/2021 23:59	Test 4 Thur
AH87126	Final Effluent	7/29/2021 8:00	7/29/2021 7:00	Test 6 Sat
AH87297	Final Effluent	7/29/2021 23:59	7/29/2021 23:59	Test 5 Fri
AH87405	Final Effluent	7/30/2021 7:58	7/30/2021 7:00	Test 6 Sat
AH87573	Final Effluent	7/30/2021 23:59	7/30/2021 23:59	TEST 6 Sat
AH87665	Final Effluent	7/31/2021 8:13	7/31/2021 7:00	Test 6 Sat
AH87831	Final Effluent	7/31/2021 23:59	7/31/2021 23:59	TEST 7 Sun
AH87923	Final Effluent	8/1/2021 8:04	8/1/2021 7:00	Test 6 Sat
AH88104	Final Effluent	8/1/2021 23:59	8/1/2021 23:59	Test 1 Mon
AH88203	Final Effluent	8/2/2021 8:00	8/2/2021 7:00	Test 6 Sat
AH88440	Final Effluent	8/2/2021 23:59	8/2/2021 23:59	Test 2 Tues
AH88552	Final Effluent	8/3/2021 8:00	8/3/2021 7:00	Test 6 Sat
AH88738	Final Effluent	8/3/2021 23:59	8/3/2021 23:59	Test 3 Wed
AH88849	Final Effluent	8/4/2021 8:06	8/4/2021 7:00	Test 6 Sat
AH89041	Final Effluent	8/4/2021 23:59	8/4/2021 23:59	Test 4 Thur
AH89158	Final Effluent	8/5/2021 8:17	8/5/2021 7:00	Test 6 Sat
AH89335	Final Effluent	8/5/2021 23:59	8/5/2021 23:59	Test 5 Fri
AH89440	Final Effluent	8/6/2021 8:03	8/6/2021 7:00	Test 6 Sat
AH89621	Final Effluent	8/6/2021 23:59	8/6/2021 23:59	TEST 6 Sat
AH89713	Final Effluent	8/7/2021 8:30	8/7/2021 7:00	Test 6 Sat
AH89879	Final Effluent	8/7/2021 23:59	8/7/2021 23:59	TEST 7 Sun
AH89971	Final Effluent	8/8/2021 7:56	8/8/2021 7:00	Test 6 Sat
AH90141	Final Effluent	8/8/2021 23:59	8/8/2021 23:59	Test 1 Mon

AH90241	Final Effluent	8/9/2021 8:02	8/9/2021 7:00	Test 6 Sat
AH90429	Final Effluent	8/9/2021 23:59	8/9/2021 23:59	Test 2 Tues
AH90534	Final Effluent	8/10/2021 8:01	8/10/2021 7:00	Test 6 Sat
AH90723	Final Effluent	8/10/2021 23:59	8/10/2021 23:59	Test 3 Wed
AH90837	Final Effluent	8/11/2021 8:00	8/11/2021 7:00	Test 6 Sat
AH91013	Final Effluent	8/11/2021 23:59	8/11/2021 23:59	Test 4 Thur
AH91124	Final Effluent	8/12/2021 8:12	8/12/2021 7:00	Test 6 Sat
AH91310	Final Effluent	8/12/2021 23:59	8/12/2021 23:59	Test 5 Fri
AH91414	Final Effluent	8/13/2021 7:57	8/13/2021 7:00	Test 6 Sat
AH91595	Final Effluent	8/13/2021 23:59	8/13/2021 23:59	TEST 6 Sat
AH91688	Final Effluent	8/14/2021 8:04	8/14/2021 7:00	Test 6 Sat
AH91857	Final Effluent	8/14/2021 23:59	8/14/2021 23:59	TEST 7 Sun
AH91949	Final Effluent	8/15/2021 8:02	8/15/2021 7:00	Test 6 Sat
AH92119	Final Effluent	8/15/2021 23:59	8/15/2021 23:59	Test 1 Mon
AH92233	Final Effluent	8/16/2021 8:00	8/16/2021 7:00	Test 6 Sat
AH92407	Final Effluent	8/16/2021 23:59	8/16/2021 23:59	Test 2 Tues
AH92517	Final Effluent	8/17/2021 8:04	8/17/2021 7:00	Test 6 Sat
AH92729	Final Effluent	8/17/2021 23:59	8/17/2021 23:59	Test 3 Wed
AH92840	Final Effluent	8/18/2021 7:59	8/18/2021 7:00	Test 6 Sat
AH93036	Final Effluent	8/18/2021 23:59	8/18/2021 23:59	Test 4 Thur
AH93145	Final Effluent	8/19/2021 7:53	8/19/2021 7:00	Test 6 Sat
AH93312	Final Effluent	8/19/2021 23:59	8/19/2021 23:59	Test 5 Fri
AH93413	Final Effluent	8/20/2021 8:04	8/20/2021 7:00	Test 6 Sat
AH93592	Final Effluent	8/20/2021 23:59	8/20/2021 23:59	TEST 6 Sat
AH93681	Final Effluent	8/21/2021 8:26	8/21/2021 7:00	Test 6 Sat
AH93853	Final Effluent	8/21/2021 23:59	8/21/2021 23:59	TEST 7 Sun
AH93942	Final Effluent	8/22/2021 8:09	8/22/2021 7:00	Test 6 Sat
AH94114	Final Effluent	8/22/2021 23:59	8/22/2021 23:59	Test 1 Mon
AH94227	Final Effluent	8/23/2021 7:58	8/23/2021 7:00	Test 6 Sat
AH94420	Final Effluent	8/23/2021 23:59	8/23/2021 23:59	Test 2 Tues
AH94542	Final Effluent	8/24/2021 7:57	8/24/2021 7:00	Test 6 Sat
AH94734	Final Effluent	8/24/2021 23:59	8/24/2021 23:59	Test 3 Wed
AH94845	Final Effluent	8/25/2021 8:06	8/25/2021 7:00	Test 6 Sat
AH95020	Final Effluent	8/25/2021 23:59	8/25/2021 23:59	Test 4 Thur
AH95128	Final Effluent	8/26/2021 8:05	8/26/2021 7:00	Test 6 Sat
AH95320	Final Effluent	8/26/2021 23:59	8/26/2021 23:59	Test 5 Fri
AH95425	Final Effluent	8/27/2021 8:05	8/27/2021 7:00	Test 6 Sat
AH95592	Final Effluent	8/27/2021 23:59	8/27/2021 23:59	TEST 6 Sat
AH95684	Final Effluent	8/28/2021 8:35	8/28/2021 7:00	Test 6 Sat
AH95849	Final Effluent	8/28/2021 23:59	8/28/2021 23:59	TEST 7 Sun
AH95941	Final Effluent	8/29/2021 8:28	8/29/2021 7:00	Test 6 Sat
AH96111	Final Effluent	8/29/2021 23:59	8/29/2021 23:59	Test 1 Mon
AH96227	Final Effluent	8/30/2021 7:57	8/30/2021 7:00	Test 6 Sat
AH96410	Final Effluent	8/30/2021 23:59	8/30/2021 23:59	Test 2 Tues
AH96507	Final Effluent	8/31/2021 8:01	8/31/2021 7:00	Test 6 Sat
AH96693	Final Effluent	8/31/2021 23:59	8/31/2021 23:59	Test 3 Wed
AH96818	Final Effluent	9/1/2021 8:02	9/1/2021 7:00	Test 6 Sat

AH97013	Final Effluent	9/1/2021 23:59	9/1/2021 23:59	Test 4 Thur
AH97125	Final Effluent	9/2/2021 7:54	9/2/2021 7:00	Test 6 Sat
AH97345	Final Effluent	9/2/2021 23:59	9/2/2021 23:59	Test 5 Fri
AH97440	Final Effluent	9/3/2021 8:02	9/3/2021 7:00	Test 6 Sat
AH97632	Final Effluent	9/3/2021 23:59	9/3/2021 23:59	TEST 6 Sat
AH97724	Final Effluent	9/4/2021 8:00	9/4/2021 7:00	Test 6 Sat
AH97889	Final Effluent	9/4/2021 23:59	9/4/2021 23:59	TEST 7 Sun
AH97981	Final Effluent	9/5/2021 8:07	9/5/2021 7:00	Test 6 Sat
AH98138	Final Effluent	9/5/2021 23:59	9/5/2021 23:59	Test 1 Mon
AH98267	Final Effluent	9/6/2021 7:54	9/6/2021 7:00	Test 6 Sat
AH98432	Final Effluent	9/6/2021 23:59	9/6/2021 23:59	Test 2 Tues
AH98542	Final Effluent	9/7/2021 8:16	9/7/2021 7:00	Test 6 Sat
AH98730	Final Effluent	9/7/2021 23:59	9/7/2021 23:59	Test 3 Wed
AH98841	Final Effluent	9/8/2021 8:05	9/8/2021 7:00	Test 6 Sat
AH99046	Final Effluent	9/8/2021 23:59	9/8/2021 23:59	Test 4 Thur
AH99158	Final Effluent	9/9/2021 8:21	9/9/2021 7:00	Test 6 Sat
AH99340	Final Effluent	9/9/2021 23:59	9/9/2021 23:59	Test 5 Fri
AH99447	Final Effluent	9/10/2021 8:09	9/10/2021 7:00	Test 6 Sat
AH99620	Final Effluent	9/10/2021 23:59	9/10/2021 23:59	TEST 6 Sat
AH99711	Final Effluent	9/11/2021 8:35	9/11/2021 7:00	Test 6 Sat
AH99877	Final Effluent	9/11/2021 23:59	9/11/2021 23:59	TEST 7 Sun
AH99969	Final Effluent	9/12/2021 8:45	9/12/2021 7:00	Test 6 Sat
AI00139	Final Effluent	9/12/2021 23:59	9/12/2021 23:59	Test 1 Mon
AI00255	Final Effluent	9/13/2021 7:56	9/13/2021 7:00	Test 6 Sat
AI00429	Final Effluent	9/13/2021 23:59	9/13/2021 23:59	Test 2 Tues
AI00534	Final Effluent	9/14/2021 7:55	9/14/2021 7:00	Test 6 Sat
AI00717	Final Effluent	9/14/2021 23:59	9/14/2021 23:59	Test 3 Wed
AI00831	Final Effluent	9/15/2021 7:55	9/15/2021 7:00	Test 6 Sat
AI01013	Final Effluent	9/15/2021 23:59	9/15/2021 23:59	Test 4 Thur
AI01125	Final Effluent	9/16/2021 7:42	9/16/2021 7:00	Test 6 Sat
AI01313	Final Effluent	9/16/2021 23:59	9/16/2021 23:59	Test 5 Fri
AI01425	Final Effluent	9/17/2021 8:13	9/17/2021 7:00	Test 6 Sat
AI01596	Final Effluent	9/17/2021 23:59	9/17/2021 23:59	TEST 6 Sat
AI01688	Final Effluent	9/18/2021 11:28	9/18/2021 7:00	Test 6 Sat
AI01853	Final Effluent	9/18/2021 23:59	9/18/2021 23:59	TEST 7 Sun
AI01943	Final Effluent	9/19/2021 8:28	9/19/2021 7:00	Test 6 Sat
AI02110	Final Effluent	9/19/2021 23:59	9/19/2021 23:59	Test 1 Mon
AI02239	Final Effluent	9/20/2021 8:06	9/20/2021 7:00	Test 6 Sat
AI02411	Final Effluent	9/20/2021 23:59	9/20/2021 23:59	Test 2 Tues
AI02522	Final Effluent	9/21/2021 7:58	9/21/2021 7:00	Test 6 Sat
AI02725	Final Effluent	9/21/2021 23:59	9/21/2021 23:59	Test 3 Wed
AI02831	Final Effluent	9/22/2021 8:07	9/22/2021 7:00	Test 6 Sat
AI03019	Final Effluent	9/22/2021 23:59	9/22/2021 23:59	Test 4 Thur
AI03131	Final Effluent	9/23/2021 8:33	9/23/2021 7:00	Test 6 Sat
AI03335	Final Effluent	9/23/2021 23:59	9/23/2021 23:59	Test 5 Fri
AI03440	Final Effluent	9/24/2021 8:04	9/24/2021 8:04	Test 6 Sat
AI03622	Final Effluent	9/24/2021 23:59	9/24/2021 23:59	TEST 6 Sat

AI03712	Final Effluent	9/25/2021 8:02	9/25/2021 7:00	Test 6 Sat
AI03878	Final Effluent	9/25/2021 23:59	9/25/2021 23:59	TEST 7 Sun
AI03970	Final Effluent	9/26/2021 8:15	9/26/2021 7:00	Test 6 Sat
AI04140	Final Effluent	9/26/2021 23:59	9/26/2021 23:59	Test 1 Mon
AI04256	Final Effluent	9/27/2021 8:08	9/27/2021 7:00	Test 6 Sat
AI04430	Final Effluent	9/27/2021 23:59	9/27/2021 23:59	Test 2 Tues
AI04541	Final Effluent	9/28/2021 7:57	9/28/2021 7:00	Test 6 Sat
AI04722	Final Effluent	9/28/2021 23:59	9/28/2021 23:59	Test 3 Wed
AI04836	Final Effluent	9/29/2021 8:15	9/29/2021 7:00	Test 6 Sat
AI05027	Final Effluent	9/29/2021 23:59	9/29/2021 23:59	Test 4 Thur
AI05139	Final Effluent	9/30/2021 7:58	9/30/2021 7:00	Test 6 Sat
AI05307	Final Effluent	9/30/2021 23:59	9/30/2021 23:59	Test 5 Fri
AI05423	Final Effluent	10/1/2021 8:01	10/1/2021 7:00	Test 6 Sat
AI05611	Final Effluent	10/1/2021 23:59	10/1/2021 23:59	TEST 6 Sat
AI05710	Final Effluent	10/2/2021 8:33	10/2/2021 7:00	Test 6 Sat
AI05876	Final Effluent	10/2/2021 23:59	10/2/2021 23:59	TEST 7 Sun
AI05969	Final Effluent	10/3/2021 8:06	10/3/2021 7:00	Test 6 Sat
AI06138	Final Effluent	10/3/2021 23:59	10/3/2021 23:59	Test 1 Mon
AI06254	Final Effluent	10/4/2021 8:01	10/4/2021 7:00	Test 6 Sat
AI06455	Final Effluent	10/4/2021 23:59	10/4/2021 23:59	Test 2 Tues
AI06577	Final Effluent	10/5/2021 8:30	10/5/2021 7:00	Test 6 Sat
AI06779	Final Effluent	10/5/2021 23:59	10/5/2021 23:59	Test 3 Wed
AI06903	Final Effluent	10/6/2021 8:29	10/6/2021 7:00	Test 6 Sat
AI07095	Final Effluent	10/6/2021 23:59	10/6/2021 23:59	Test 4 Thur
AI07211	Final Effluent	10/7/2021 8:13	10/7/2021 7:00	Test 6 Sat
AI07417	Final Effluent	10/7/2021 23:59	10/7/2021 23:59	Test 5 Fri
AI07532	Final Effluent	10/8/2021 8:09	10/8/2021 7:00	Test 6 Sat
AI07725	Final Effluent	10/8/2021 23:59	10/8/2021 23:59	TEST 6 Sat
AI07827	Final Effluent	10/9/2021 8:48	10/9/2021 7:00	Test 6 Sat
AI08015	Final Effluent	10/9/2021 23:59	10/9/2021 23:59	TEST 7 Sun
AI08118	Final Effluent	10/10/2021 7:57	10/10/2021 7:00	Test 6 Sat
AI08308	Final Effluent	10/10/2021 23:59	10/10/2021 23:59	Test 1 Mon
AI08435	Final Effluent	10/11/2021 8:07	10/11/2021 7:00	Test 6 Sat
AI08622	Final Effluent	10/11/2021 23:59	10/11/2021 23:59	Test 2 Tues
AI08744	Final Effluent	10/12/2021 7:55	10/12/2021 7:00	Test 6 Sat
AI08941	Final Effluent	10/12/2021 23:59	10/12/2021 23:59	Test 3 Wed
AI09066	Final Effluent	10/13/2021 8:16	10/13/2021 7:00	Test 6 Sat
AI09268	Final Effluent	10/13/2021 23:59	10/13/2021 23:59	Test 4 Thur
AI09391	Final Effluent	10/14/2021 7:58	10/14/2021 7:00	Test 6 Sat
AI09582	Final Effluent	10/14/2021 23:59	10/14/2021 23:59	Test 5 Fri
AI09698	Final Effluent	10/15/2021 8:13	10/15/2021 7:00	Test 6 Sat
AI09893	Final Effluent	10/15/2021 23:59	10/15/2021 23:59	TEST 6 Sat
AI09989	Final Effluent	10/16/2021 8:05	10/16/2021 7:00	Test 6 Sat
AI10171	Final Effluent	10/16/2021 23:59	10/16/2021 23:59	TEST 7 Sun
AI10268	Final Effluent	10/17/2021 8:05	10/17/2021 7:00	Test 6 Sat
AI10449	Final Effluent	10/17/2021 23:59	10/17/2021 23:59	Test 1 Mon
AI10570	Final Effluent	10/18/2021 8:05	10/18/2021 7:00	Test 6 Sat

AI10744	Final Effluent	10/18/2021 23:59	10/18/2021 23:59	Test 2 Tues
AI10853	Final Effluent	10/19/2021 8:00	10/19/2021 7:00	Test 6 Sat
AI11041	Final Effluent	10/19/2021 23:59	10/19/2021 23:59	Test 3 Wed
AI11157	Final Effluent	10/20/2021 8:05	10/20/2021 7:00	Test 6 Sat
AI11347	Final Effluent	10/20/2021 23:59	10/20/2021 23:59	Test 4 Thur
AI11460	Final Effluent	10/21/2021 8:10	10/21/2021 7:00	Test 6 Sat
AI11643	Final Effluent	10/21/2021 23:59	10/21/2021 23:59	Test 5 Fri
AI11750	Final Effluent	10/22/2021 8:14	10/22/2021 7:00	Test 6 Sat
AI11954	Final Effluent	10/22/2021 23:59	10/22/2021 23:59	TEST 6 Sat
AI12051	Final Effluent	10/23/2021 8:10	10/23/2021 7:00	Test 6 Sat
AI12224	Final Effluent	10/23/2021 23:59	10/23/2021 23:59	TEST 7 Sun
AI12320	Final Effluent	10/24/2021 7:49	10/24/2021 7:00	Test 6 Sat
AI12499	Final Effluent	10/24/2021 23:59	10/24/2021 23:59	Test 1 Mon
AI12620	Final Effluent	10/25/2021 8:15	10/25/2021 7:00	Test 6 Sat
AI12800	Final Effluent	10/25/2021 23:59	10/25/2021 23:59	Test 2 Tues
AI12916	Final Effluent	10/26/2021 7:56	10/26/2021 7:00	Test 6 Sat
AI13107	Final Effluent	10/26/2021 23:59	10/26/2021 23:59	Test 3 Wed
AI13226	Final Effluent	10/27/2021 8:08	10/27/2021 7:00	Test 6 Sat
AI13414	Final Effluent	10/27/2021 23:59	10/27/2021 23:59	Test 4 Thur
AI13530	Final Effluent	10/28/2021 8:00	10/28/2021 7:00	Test 6 Sat
AI13711	Final Effluent	10/28/2021 23:59	10/28/2021 23:59	Test 5 Fri
AI13816	Final Effluent	10/29/2021 7:58	10/29/2021 7:00	Test 6 Sat
AI14023	Final Effluent	10/29/2021 23:59	10/29/2021 23:59	TEST 6 Sat
AI14117	Final Effluent	10/30/2021 8:15	10/30/2021 7:00	Test 6 Sat
AI14291	Final Effluent	10/30/2021 23:59	10/30/2021 23:59	TEST 7 Sun
AI14385	Final Effluent	10/31/2021 8:18	10/31/2021 7:00	Test 6 Sat
AI14564	Final Effluent	10/31/2021 23:59	10/31/2021 23:59	Test 1 Mon
AI14682	Final Effluent	11/1/2021 8:15	11/1/2021 7:00	Test 6 Sat
AI14885	Final Effluent	11/1/2021 23:59	11/1/2021 23:59	Test 2 Tues
AI14984	Final Effluent	11/2/2021 8:28	11/2/2021 7:00	Test 6 Sat
AI15188	Final Effluent	11/2/2021 23:59	11/2/2021 23:59	Test 3 Wed
AI15304	Final Effluent	11/3/2021 8:02	11/3/2021 7:00	Test 6 Sat
AI15496	Final Effluent	11/3/2021 23:59	11/3/2021 23:59	Test 4 Thur
AI15612	Final Effluent	11/4/2021 8:02	11/4/2021 7:00	Test 6 Sat
AI15789	Final Effluent	11/4/2021 23:59	11/4/2021 23:59	Test 5 Fri
AI15895	Final Effluent	11/5/2021 7:52	11/5/2021 7:00	Test 6 Sat
AI16079	Final Effluent	11/5/2021 23:59	11/5/2021 23:59	TEST 6 Sat
AI16173	Final Effluent	11/6/2021 8:06	11/6/2021 7:00	Test 6 Sat
AI16346	Final Effluent	11/6/2021 23:59	11/6/2021 23:59	TEST 7 Sun
AI16440	Final Effluent	11/7/2021 7:49	11/7/2021 7:00	Test 6 Sat
AI16613	Final Effluent	11/7/2021 23:59	11/7/2021 23:59	Test 1 Mon
AI16740	Final Effluent	11/8/2021 8:09	11/8/2021 7:00	Test 6 Sat
AI16916	Final Effluent	11/8/2021 23:59	11/8/2021 23:59	Test 2 Tues
AI17032	Final Effluent	11/9/2021 8:06	11/9/2021 7:00	Test 6 Sat
AI17212	Final Effluent	11/9/2021 23:59	11/9/2021 23:59	Test 3 Wed
AI17331	Final Effluent	11/10/2021 8:11	11/10/2021 7:00	Test 6 Sat
AI17546	Final Effluent	11/10/2021 23:59	11/10/2021 23:59	Test 4 Thur

AI17662	Final Effluent	11/11/2021 8:08	11/11/2021 7:00	Test 6 Sat
AI17835	Final Effluent	11/11/2021 23:59	11/11/2021 23:59	Test 5 Fri
AI17945	Final Effluent	11/12/2021 7:58	11/12/2021 7:00	Test 6 Sat
AI18126	Final Effluent	11/12/2021 23:59	11/12/2021 23:59	TEST 6 Sat
AI18226	Final Effluent	11/13/2021 9:05	11/13/2021 7:00	Test 6 Sat
AI18399	Final Effluent	11/13/2021 23:59	11/13/2021 23:59	TEST 7 Sun
AI18497	Final Effluent	11/14/2021 8:03	11/14/2021 7:00	Test 6 Sat
AI18670	Final Effluent	11/14/2021 23:59	11/14/2021 23:59	Test 1 Mon
AI18792	Final Effluent	11/15/2021 8:11	11/15/2021 7:00	Test 6 Sat
AI18976	Final Effluent	11/15/2021 23:59	11/15/2021 23:59	Test 2 Tues
AI19092	Final Effluent	11/16/2021 8:12	11/16/2021 7:00	Test 6 Sat
AI19277	Final Effluent	11/16/2021 23:59	11/16/2021 23:59	Test 3 Wed
AI19394	Final Effluent	11/17/2021 7:55	11/17/2021 7:00	Test 6 Sat
AI19571	Final Effluent	11/17/2021 23:59	11/17/2021 23:59	Test 4 Thur
AI19685	Final Effluent	11/18/2021 7:57	11/18/2021 7:00	Test 6 Sat
AI19864	Final Effluent	11/18/2021 23:59	11/18/2021 23:59	Test 5 Fri
AI19973	Final Effluent	11/19/2021 7:54	11/19/2021 7:00	Test 6 Sat
AI20166	Final Effluent	11/19/2021 23:59	11/19/2021 23:59	TEST 6 Sat
AI20261	Final Effluent	11/20/2021 8:39	11/20/2021 7:00	Test 6 Sat
AI20434	Final Effluent	11/20/2021 23:59	11/20/2021 23:59	TEST 7 Sun
AI20528	Final Effluent	11/21/2021 8:39	11/21/2021 7:00	Test 6 Sat
AI20708	Final Effluent	11/21/2021 23:59	11/21/2021 23:59	Test 1 Mon
AI20830	Final Effluent	11/22/2021 8:02	11/22/2021 7:00	Test 6 Sat
AI21020	Final Effluent	11/22/2021 23:59	11/22/2021 23:59	Test 2 Tues
AI21136	Final Effluent	11/23/2021 8:07	11/23/2021 7:00	Test 6 Sat
AI21320	Final Effluent	11/23/2021 23:59	11/23/2021 23:59	Test 3 Wed
AI21437	Final Effluent	11/24/2021 7:50	11/24/2021 7:00	Test 6 Sat
AI21636	Final Effluent	11/24/2021 23:59	11/24/2021 23:59	Test 4 Thur
AI21736	Final Effluent	11/25/2021 8:12	11/25/2021 7:00	Test 6 Sat
AI21923	Final Effluent	11/25/2021 23:59	11/25/2021 23:59	Test 5 Fri
AI22031	Final Effluent	11/26/2021 8:11	11/26/2021 7:00	Test 6 Sat
AI22204	Final Effluent	11/26/2021 23:59	11/26/2021 23:59	TEST 6 Sat
AI22299	Final Effluent	11/27/2021 8:07	11/27/2021 7:00	Test 6 Sat
AI22473	Final Effluent	11/27/2021 23:59	11/27/2021 23:59	TEST 7 Sun
AI22568	Final Effluent	11/28/2021 8:22	11/28/2021 7:00	Test 6 Sat
AI22741	Final Effluent	11/28/2021 23:59	11/28/2021 23:59	Test 1 Mon
AI22860	Final Effluent	11/29/2021 8:16	11/29/2021 7:00	Test 6 Sat
AI23057	Final Effluent	11/29/2021 23:59	11/29/2021 23:59	Test 2 Tues
AI23171	Final Effluent	11/30/2021 8:03	11/30/2021 7:00	Test 6 Sat
AI23369	Final Effluent	11/30/2021 23:59	11/30/2021 23:59	Test 3 Wed
AI23486	Final Effluent	12/1/2021 8:04	12/1/2021 7:00	Test 6 Sat
AI23689	Final Effluent	12/1/2021 23:59	12/1/2021 23:59	Test 4 Thur
AI23806	Final Effluent	12/2/2021 8:14	12/2/2021 7:00	Test 6 Sat
AI23995	Final Effluent	12/2/2021 23:59	12/2/2021 23:59	Test 5 Fri
AI24108	Final Effluent	12/3/2021 7:55	12/3/2021 7:00	Test 6 Sat
AI24292	Final Effluent	12/3/2021 23:59	12/3/2021 23:59	TEST 6 Sat
AI24387	Final Effluent	12/4/2021 8:04	12/4/2021 7:00	Test 6 Sat

AI24562	Final Effluent	12/4/2021 23:59	12/4/2021 23:59	TEST 7 Sun
AI24657	Final Effluent	12/5/2021 7:47	12/5/2021 7:00	Test 6 Sat
AI24822	Final Effluent	12/5/2021 23:59	12/5/2021 23:59	Test 1 Mon
AI24949	Final Effluent	12/6/2021 7:55	12/6/2021 7:00	Test 6 Sat
AI25145	Final Effluent	12/6/2021 23:59	12/6/2021 23:59	Test 2 Tues
AI25262	Final Effluent	12/7/2021 8:02	12/7/2021 7:00	Test 6 Sat
AI25451	Final Effluent	12/7/2021 23:59	12/7/2021 23:59	Test 3 Wed
AI25552	Final Effluent	12/8/2021 7:55	12/8/2021 7:00	Test 6 Sat
AI25753	Final Effluent	12/8/2021 23:59	12/8/2021 23:59	Test 4 Thur
AI25868	Final Effluent	12/9/2021 8:00	12/9/2021 7:00	Test 6 Sat
AI25926	Final Effluent	12/8/2021 10:28	12/9/2021 9:17	
AI26046	Final Effluent	12/9/2021 23:59	12/9/2021 23:59	Test 5 Fri
AI26153	Final Effluent	12/10/2021 7:47	12/10/2021 7:00	Test 6 Sat
AI26328	Final Effluent	12/10/2021 23:59	12/10/2021 23:59	TEST 6 Sat
AI26419	Final Effluent	12/11/2021 8:55	12/11/2021 7:00	Test 6 Sat
AI26585	Final Effluent	12/11/2021 23:59	12/11/2021 23:59	TEST 7 Sun
AI26676	Final Effluent	12/12/2021 9:05	12/12/2021 7:00	Test 6 Sat
AI26841	Final Effluent	12/12/2021 23:59	12/12/2021 23:59	Test 1 Mon
AI26956	Final Effluent	12/13/2021 8:14	12/13/2021 7:00	Test 6 Sat
AI27132	Final Effluent	12/13/2021 23:59	12/13/2021 23:59	Test 2 Tues
AI27242	Final Effluent	12/14/2021 7:55	12/14/2021 7:00	Test 6 Sat
AI27437	Final Effluent	12/14/2021 23:59	12/14/2021 23:59	Test 3 Wed
AI27550	Final Effluent	12/15/2021 8:14	12/15/2021 7:00	Test 6 Sat
AI27721	Final Effluent	12/15/2021 23:59	12/15/2021 23:59	Test 4 Thur
AI27834	Final Effluent	12/16/2021 8:01	12/16/2021 7:00	Test 6 Sat
AI28007	Final Effluent	12/16/2021 23:59	12/16/2021 23:59	Test 5 Fri
AI28111	Final Effluent	12/17/2021 8:08	12/17/2021 7:00	Test 6 Sat
AI28279	Final Effluent	12/17/2021 23:59	12/17/2021 23:59	TEST 6 Sat
AI28370	Final Effluent	12/18/2021 9:12	12/18/2021 7:00	Test 6 Sat
AI28535	Final Effluent	12/18/2021 23:59	12/18/2021 23:59	TEST 7 Sun
AI28626	Final Effluent	12/19/2021 9:05	12/19/2021 7:00	Test 6 Sat
AI28798	Final Effluent	12/19/2021 23:59	12/19/2021 23:59	Test 1 Mon
AI28909	Final Effluent	12/20/2021 8:11	12/20/2021 7:00	Test 6 Sat
AI29096	Final Effluent	12/20/2021 23:59	12/20/2021 23:59	Test 2 Tues
AI29207	Final Effluent	12/21/2021 8:05	12/21/2021 7:00	Test 6 Sat
AI29397	Final Effluent	12/21/2021 23:59	12/21/2021 23:59	Test 3 Wed
AI29510	Final Effluent	12/22/2021 8:07	12/22/2021 7:00	Test 6 Sat
AI29680	Final Effluent	12/22/2021 23:59	12/22/2021 23:59	Test 4 Thur
AI29790	Final Effluent	12/23/2021 8:00	12/23/2021 7:00	Test 6 Sat
AI29955	Final Effluent	12/23/2021 23:59	12/23/2021 23:59	Test 5 Fri
AI30059	Final Effluent	12/24/2021 8:12	12/24/2021 7:00	Test 6 Sat
AI30224	Final Effluent	12/24/2021 23:59	12/24/2021 23:59	TEST 6 Sat
AI30315	Final Effluent	12/25/2021 8:17	12/25/2021 7:00	Test 6 Sat
AI30481	Final Effluent	12/25/2021 23:59	12/25/2021 23:59	TEST 7 Sun
AI30571	Final Effluent	12/26/2021 8:22	12/26/2021 7:00	Test 6 Sat
AI30737	Final Effluent	12/26/2021 23:59	12/26/2021 23:59	Test 1 Mon
AI30852	Final Effluent	12/27/2021 7:58	12/27/2021 7:00	Test 6 Sat

AI31038	Final Effluent	12/27/2021 23:59	12/27/2021 23:59	Test 2 Tues
AI31148	Final Effluent	12/28/2021 8:28	12/28/2021 7:00	Test 6 Sat
AI31339	Final Effluent	12/28/2021 23:59	12/28/2021 23:59	Test 3 Wed
AI31455	Final Effluent	12/29/2021 8:10	12/29/2021 7:00	Test 6 Sat
AI31655	Final Effluent	12/29/2021 23:59	12/29/2021 23:59	Test 4 Thur
AI31768	Final Effluent	12/30/2021 8:05	12/30/2021 7:00	Test 6 Sat
AI31933	Final Effluent	12/30/2021 23:59	12/30/2021 23:59	Test 5 Fri
AI32040	Final Effluent	12/31/2021 8:04	12/31/2021 7:00	Test 6 Sat
AI32205	Final Effluent	12/31/2021 23:59	12/31/2021 23:59	TEST 6 Sat
AI32312	Final Effluent	1/1/2022 8:20	1/1/2022 7:00	Test 6 Sat
AI32477	Final Effluent	1/1/2022 23:59	1/1/2022 23:59	TEST 7 Sun
AI32571	Final Effluent	1/2/2022 8:28	1/2/2022 7:00	Test 6 Sat
AI32736	Final Effluent	1/2/2022 23:59	1/2/2022 23:59	Test 1 Mon
AI32854	Final Effluent	1/3/2022 8:16	1/3/2022 7:00	Test 6 Sat
AI33023	Final Effluent	1/3/2022 23:59	1/3/2022 23:59	Test 2 Tues
AI33136	Final Effluent	1/4/2022 8:24	1/4/2022 7:00	Test 6 Sat
AI33319	Final Effluent	1/4/2022 23:59	1/4/2022 23:59	Test 3 Wed
AI33432	Final Effluent	1/5/2022 8:40	1/5/2022 7:00	Test 6 Sat
AI33610	Final Effluent	1/5/2022 23:59	1/5/2022 23:59	Test 4 Thur
AI33720	Final Effluent	1/6/2022 8:40	1/6/2022 7:00	Test 6 Sat
AI33893	Final Effluent	1/6/2022 23:59	1/6/2022 23:59	Test 5 Fri
AI33997	Final Effluent	1/7/2022 8:16	1/7/2022 7:00	Test 6 Sat
AI34183	Final Effluent	1/7/2022 23:59	1/7/2022 23:59	TEST 6 Sat
AI34274	Final Effluent	1/8/2022 8:12	1/8/2022 7:00	Test 6 Sat
AI34440	Final Effluent	1/8/2022 23:59	1/8/2022 23:59	TEST 7 Sun
AI34531	Final Effluent	1/9/2022 8:19	1/9/2022 7:00	Test 6 Sat
AI34702	Final Effluent	1/9/2022 23:59	1/9/2022 23:59	Test 1 Mon
AI34820	Final Effluent	1/10/2022 8:16	1/10/2022 7:00	Test 6 Sat
AI34994	Final Effluent	1/10/2022 23:59	1/10/2022 23:59	Test 2 Tues
AI35105	Final Effluent	1/11/2022 7:00	1/11/2022 8:14	Test 6 Sat
AI35282	Final Effluent	1/11/2022 23:59	1/11/2022 23:59	Test 3 Wed
AI35395	Final Effluent	1/12/2022 8:13	1/12/2022 7:00	Test 6 Sat
AI35580	Final Effluent	1/12/2022 23:59	1/12/2022 23:59	Test 4 Thur
AI35690	Final Effluent	1/13/2022 8:06	1/13/2022 7:00	Test 6 Sat
AI35869	Final Effluent	1/13/2022 23:59	1/13/2022 23:59	Test 5 Fri
AI35973	Final Effluent	1/14/2022 7:00	1/14/2022 8:04	Test 6 Sat
AI36152	Final Effluent	1/14/2022 23:59	1/14/2022 23:59	TEST 6 Sat
AI36243	Final Effluent	1/15/2022 8:12	1/15/2022 7:00	Test 6 Sat
AI36408	Final Effluent	1/15/2022 23:59	1/15/2022 23:59	TEST 7 Sun
AI36499	Final Effluent	1/16/2022 8:17	1/16/2022 7:00	Test 6 Sat
AI36664	Final Effluent	1/16/2022 23:59	1/16/2022 23:59	Test 1 Mon
AI36763	Final Effluent	1/17/2022 7:00	1/17/2022 7:00	Test 6 Sat
AI36944	Final Effluent	1/17/2022 23:59	1/17/2022 23:59	Test 2 Tues
AI37066	Final Effluent	1/18/2022 7:00	1/18/2022 7:55	Test 6 Sat
AI37241	Final Effluent	1/18/2022 23:59	1/18/2022 23:59	Test 3 Wed
AI37354	Final Effluent	1/19/2022 8:04	1/19/2022 7:00	Test 6 Sat
AI37523	Final Effluent	1/19/2022 23:59	1/19/2022 23:59	Test 4 Thur

AI37640	Final Effluent	1/20/2022 8:00	1/20/2022 7:00	Test 6 Sat
AI37825	Final Effluent	1/20/2022 23:59	1/20/2022 23:59	Test 5 Fri
AI37932	Final Effluent	1/21/2022 8:29	1/21/2022 7:00	Test 6 Sat
AI38101	Final Effluent	1/21/2022 23:59	1/21/2022 23:59	TEST 6 Sat
AI38192	Final Effluent	1/22/2022 8:16	1/22/2022 7:00	Test 6 Sat
AI38361	Final Effluent	1/22/2022 23:59	1/22/2022 23:59	TEST 7 Sun
AI38455	Final Effluent	1/23/2022 8:48	1/23/2022 7:00	Test 6 Sat
AI38620	Final Effluent	1/23/2022 23:59	1/23/2022 23:59	Test 1 Mon
AI38738	Final Effluent	1/24/2022 8:06	1/24/2022 7:00	Test 6 Sat
AI38904	Final Effluent	1/24/2022 23:59	1/24/2022 23:59	Test 2 Tues
AI39017	Final Effluent	1/25/2022 7:00	1/25/2022 8:03	Test 6 Sat
AI39194	Final Effluent	1/25/2022 23:59	1/25/2022 23:59	Test 3 Wed
AI39307	Final Effluent	1/26/2022 8:08	1/26/2022 7:00	Test 6 Sat
AI39481	Final Effluent	1/26/2022 23:59	1/26/2022 23:59	Test 4 Thur
AI39592	Final Effluent	1/27/2022 8:15	1/27/2022 7:00	Test 6 Sat
AI39770	Final Effluent	1/27/2022 23:59	1/27/2022 23:59	Test 5 Fri
AI39874	Final Effluent	1/28/2022 8:06	1/28/2022 7:00	Test 6 Sat
AI40041	Final Effluent	1/28/2022 23:59	1/28/2022 23:59	TEST 6 Sat
AI40132	Final Effluent	1/29/2022 8:24	1/29/2022 7:00	Test 6 Sat
AI40297	Final Effluent	1/29/2022 23:59	1/29/2022 23:59	TEST 7 Sun
AI40388	Final Effluent	1/30/2022 8:14	1/30/2022 7:00	Test 6 Sat
AI40553	Final Effluent	1/30/2022 23:59	1/30/2022 23:59	Test 1 Mon
AI40680	Final Effluent	1/31/2022 8:04	1/31/2022 7:00	Test 6 Sat
AI40849	Final Effluent	1/31/2022 23:59	1/31/2022 23:59	Test 2 Tues
AI40973	Final Effluent	2/1/2022 8:03	2/1/2022 7:00	Test 6 Sat
AI41155	Final Effluent	2/1/2022 23:59	2/1/2022 23:59	Test 3 Wed
AI41255	Final Effluent	2/2/2022 8:03	2/2/2022 7:00	Test 6 Sat
AI41446	Final Effluent	2/2/2022 23:59	2/2/2022 23:59	Test 4 Thur
AI41560	Final Effluent	2/3/2022 8:07	2/3/2022 7:00	Test 6 Sat
AI41725	Final Effluent	2/3/2022 23:59	2/3/2022 23:59	Test 5 Fri
AI41829	Final Effluent	2/4/2022 8:07	2/4/2022 7:00	Test 6 Sat
AI42011	Final Effluent	2/4/2022 23:59	2/4/2022 23:59	TEST 6 Sat
AI42102	Final Effluent	2/5/2022 8:06	2/5/2022 7:00	Test 6 Sat
AI42268	Final Effluent	2/5/2022 23:59	2/5/2022 23:59	TEST 7 Sun
AI42359	Final Effluent	2/6/2022 8:15	2/6/2022 7:00	Test 6 Sat
AI42530	Final Effluent	2/6/2022 23:59	2/6/2022 23:59	Test 1 Mon
AI42648	Final Effluent	2/7/2022 8:05	2/7/2022 7:00	Test 6 Sat
AI42831	Final Effluent	2/7/2022 23:59	2/7/2022 23:59	Test 2 Tues
AI42946	Final Effluent	2/8/2022 8:05	2/8/2022 7:00	Test 6 Sat
AI43131	Final Effluent	2/8/2022 23:59	2/8/2022 23:59	Test 3 Wed
AI43244	Final Effluent	2/9/2022 8:03	2/9/2022 7:00	Test 6 Sat
AI43423	Final Effluent	2/9/2022 23:59	2/9/2022 23:59	Test 4 Thur
AI43534	Final Effluent	2/10/2022 8:03	2/10/2022 7:00	Test 6 Sat
AI43745	Final Effluent	2/10/2022 23:59	2/10/2022 23:59	Test 5 Fri
AI43839	Final Effluent	2/11/2022 8:06	2/11/2022 7:00	Test 6 Sat
AI44018	Final Effluent	2/11/2022 23:59	2/11/2022 23:59	TEST 6 Sat
AI44109	Final Effluent	2/12/2022 7:54	2/12/2022 7:00	Test 6 Sat

AI44280	Final Effluent	2/12/2022 23:59	2/12/2022 23:59	TEST 7 Sun
AI44374	Final Effluent	2/13/2022 8:15	2/13/2022 7:00	Test 6 Sat
AI44531	Final Effluent	2/13/2022 23:59	2/13/2022 23:59	Test 1 Mon
AI44657	Final Effluent	2/14/2022 8:38	2/14/2022 7:00	Test 6 Sat
AI44828	Final Effluent	2/14/2022 23:59	2/14/2022 23:59	Test 2 Tues
AI44941	Final Effluent	2/15/2022 8:04	2/15/2022 7:00	Test 6 Sat
AI45109	Final Effluent	2/15/2022 23:59	2/15/2022 23:59	Test 3 Wed
AI45230	Final Effluent	2/16/2022 8:02	2/16/2022 7:00	Test 6 Sat
AI45405	Final Effluent	2/16/2022 23:59	2/16/2022 23:59	Test 4 Thur
AI45516	Final Effluent	2/17/2022 8:03	2/17/2022 7:00	Test 6 Sat
AI45691	Final Effluent	2/17/2022 23:59	2/17/2022 23:59	Test 5 Fri
AI45795	Final Effluent	2/18/2022 8:14	2/18/2022 7:00	Test 6 Sat
AI45969	Final Effluent	2/18/2022 23:59	2/18/2022 23:59	TEST 6 Sat
AI46060	Final Effluent	2/19/2022 8:20	2/19/2022 7:00	Test 6 Sat
AI46225	Final Effluent	2/19/2022 23:59	2/19/2022 23:59	TEST 7 Sun
AI46316	Final Effluent	2/20/2022 8:22	2/20/2022 7:00	Test 6 Sat
AI46491	Final Effluent	2/20/2022 23:59	2/20/2022 23:59	Test 1 Mon
AI46602	Final Effluent	2/21/2022 8:23	2/21/2022 7:00	Test 6 Sat
AI46777	Final Effluent	2/21/2022 23:59	2/21/2022 23:59	Test 2 Tues
AI46890	Final Effluent	2/22/2022 8:01	2/22/2022 7:00	Test 6 Sat
AI47074	Final Effluent	2/22/2022 23:59	2/22/2022 23:59	Test 3 Wed
AI47187	Final Effluent	2/23/2022 7:00	2/23/2022 8:10	Test 6 Sat
AI47363	Final Effluent	2/23/2022 23:59	2/23/2022 23:59	Test 4 Thur
AI47474	Final Effluent	2/24/2022 8:11	2/24/2022 7:00	Test 6 Sat
AI47673	Final Effluent	2/24/2022 23:59	2/24/2022 23:59	Test 5 Fri
AI47777	Final Effluent	2/25/2022 8:08	2/25/2022 7:00	Test 6 Sat
AI47948	Final Effluent	2/25/2022 23:59	2/25/2022 23:59	TEST 6 Sat
AI48039	Final Effluent	2/26/2022 8:17	2/26/2022 7:00	Test 6 Sat
AI48203	Final Effluent	2/26/2022 23:59	2/26/2022 23:59	TEST 7 Sun
AI48298	Final Effluent	2/27/2022 8:20	2/27/2022 7:00	Test 6 Sat
AI48464	Final Effluent	2/27/2022 23:59	2/27/2022 23:59	Test 1 Mon
AI48580	Final Effluent	2/28/2022 7:00	2/28/2022 7:55	Test 6 Sat
AI48747	Final Effluent	2/28/2022 23:59	2/28/2022 23:59	Test 2 Tues
AI48870	Final Effluent	3/1/2022 8:10	3/1/2022 7:00	Test 6 Sat
AI49043	Final Effluent	3/1/2022 23:59	3/1/2022 23:59	Test 3 Wed
AI49156	Final Effluent	3/2/2022 8:09	3/2/2022 7:00	Test 6 Sat
AI49334	Final Effluent	3/2/2022 23:59	3/2/2022 23:59	Test 4 Thur
AI49445	Final Effluent	3/3/2022 8:02	3/3/2022 7:00	Test 6 Sat
AI49624	Final Effluent	3/3/2022 23:59	3/3/2022 23:59	Test 5 Fri
AI49728	Final Effluent	3/4/2022 7:00	3/4/2022 7:00	Test 6 Sat
AI49906	Final Effluent	3/4/2022 23:59	3/4/2022 23:59	TEST 6 Sat
AI49996	Final Effluent	3/5/2022 8:22	3/5/2022 7:00	Test 6 Sat
AI50163	Final Effluent	3/5/2022 23:59	3/5/2022 23:59	TEST 7 Sun
AI50253	Final Effluent	3/6/2022 7:55	3/6/2022 7:00	Test 6 Sat
AI50419	Final Effluent	3/6/2022 23:59	3/6/2022 23:59	Test 1 Mon
AI50534	Final Effluent	3/7/2022 8:10	3/7/2022 7:00	Test 6 Sat
AI50713	Final Effluent	3/7/2022 23:59	3/7/2022 23:59	Test 2 Tues

AI50838	Final Effluent	3/8/2022 8:02	3/8/2022 7:00	Test 6 Sat
AI51022	Final Effluent	3/8/2022 23:59	3/8/2022 23:59	Test 3 Wed
AI51138	Final Effluent	3/9/2022 8:00	3/9/2022 7:00	Test 6 Sat
AI51313	Final Effluent	3/9/2022 23:59	3/9/2022 23:59	Test 4 Thur
AI51424	Final Effluent	3/10/2022 7:55	3/10/2022 7:00	Test 6 Sat
AI51600	Final Effluent	3/10/2022 23:59	3/10/2022 23:59	Test 5 Fri
AI51707	Final Effluent	3/11/2022 8:07	3/11/2022 7:00	Test 6 Sat
AI51874	Final Effluent	3/11/2022 23:59	3/11/2022 23:59	TEST 6 Sat
AI51968	Final Effluent	3/12/2022 8:11	3/12/2022 7:00	Test 6 Sat
AI52133	Final Effluent	3/12/2022 23:59	3/12/2022 23:59	TEST 7 Sun
AI52212	Final Effluent	3/13/2022 8:48	3/13/2022 7:00	Test 6 Sat
AI52377	Final Effluent	3/13/2022 23:59	3/13/2022 23:59	Test 1 Mon
AI52492	Final Effluent	3/14/2022 8:15	3/14/2022 7:00	Test 6 Sat
AI52661	Final Effluent	3/14/2022 23:59	3/14/2022 23:59	Test 2 Tues
AI52776	Final Effluent	3/15/2022 8:01	3/15/2022 7:00	Test 6 Sat
AI52948	Final Effluent	3/15/2022 23:59	3/15/2022 23:59	Test 3 Wed
AI53064	Final Effluent	3/16/2022 8:06	3/16/2022 7:00	Test 6 Sat
AI53234	Final Effluent	3/16/2022 23:59	3/16/2022 23:59	Test 4 Thur
AI53348	Final Effluent	3/17/2022 8:02	3/17/2022 7:00	Test 6 Sat
AI53521	Final Effluent	3/17/2022 23:59	3/17/2022 23:59	Test 5 Fri
AI53620	Final Effluent	3/18/2022 8:20	3/18/2022 7:00	Test 6 Sat
AI53803	Final Effluent	3/18/2022 23:59	3/18/2022 23:59	TEST 6 Sat
AI53894	Final Effluent	3/19/2022 8:11	3/19/2022 7:00	Test 6 Sat
AI54060	Final Effluent	3/19/2022 23:59	3/19/2022 23:59	TEST 7 Sun
AI54151	Final Effluent	3/20/2022 8:17	3/20/2022 7:00	Test 6 Sat
AI54316	Final Effluent	3/20/2022 23:59	3/20/2022 23:59	Test 1 Mon
AI54431	Final Effluent	3/21/2022 8:02	3/21/2022 7:00	Test 6 Sat
AI54612	Final Effluent	3/21/2022 23:59	3/21/2022 23:59	Test 2 Tues
AI54725	Final Effluent	3/22/2022 8:05	3/22/2022 7:00	Test 6 Sat
AI54897	Final Effluent	3/22/2022 23:59	3/22/2022 23:59	Test 3 Wed
AI55010	Final Effluent	3/23/2022 8:10	3/23/2022 7:00	Test 6 Sat
AI55181	Final Effluent	3/23/2022 23:59	3/23/2022 23:59	Test 4 Thur
AI55279	Final Effluent	3/24/2022 8:20	3/24/2022 7:00	Test 6 Sat
AI55476	Final Effluent	3/24/2022 23:59	3/24/2022 23:59	Test 5 Fri
AI55580	Final Effluent	3/25/2022 8:00	3/25/2022 7:00	Test 6 Sat
AI55747	Final Effluent	3/25/2022 23:59	3/25/2022 23:59	TEST 6 Sat
AI55838	Final Effluent	3/26/2022 8:22	3/26/2022 7:00	Test 6 Sat
AI56003	Final Effluent	3/26/2022 23:59	3/26/2022 23:59	TEST 7 Sun
AI56094	Final Effluent	3/27/2022 8:22	3/27/2022 7:00	Test 6 Sat

CBOD5	FECAL_COLI_MPN	PH	TSS
	12	7.3	
2.31			1.8
	14.5	7.4	
7.57			2.1
	7.5	7.2	
1.72			1.2
	7.4	7.2	
1.89			1.5
	1	7.3	
1.98			3.5
	4.1	7.2	
1.88			1.1
	18.9	7.1	
1.73			2
	12.2	7.1	
1.76			1.9
	9.7	7	
1.6			2
	8.6	7	
1.67			1.5
	9.7	7	
2.48			8
	17.5	7.1	
4.85			9.8
	13.2	7.1	
2.44			2.5
	17.3	7.1	
2.27			2.3
	12.2	7.1	
1.87			1.5
	16.4	7.1	
2.01			2.3
	10.9	7	
1.72			2.1
	6.3	7.3	
1.73			2.1
	9.7	7.3	
2.11			2.9
	8.5	7.2	
1.88			2
	14.5	7.1	
2.03			2.2
	16	7.1	
2.01			2.2
	24.3	7.1	

RESULTS	UNITS
CBOD5	mg/L
FECAL	Colonies per 100mL
Ph	Standard pH
TSS	mg/L

1.81			2.2
	35.9	7.1	
1.96			2.6
	21.6	7.1	
1.84			2.9
	3.1	7.2	
2.66			3.8
	7.4	7.2	
1.78			2.2
	5.2	7.2	
1.62			1.8
	7.4	7.2	
1.64			4.9
	19.9	7.2	
2.4			2.9
	13.4	7.1	
2.07			1.9
	8.6	7.3	
2.08			1.6
	16.1	7.3	
1.99			1.6
	13.5	7.3	
2.2			1.9
	28.2	7.2	
2.57			1.8
	18.9	7.2	
2.28			2.1
	18.7	7.2	
1.91			2.6
	18.7	7.1	
2.86			2.5
	8.4	7.2	
2.42			3
	12.1	7.2	
2.59			3
	16.8	7.2	
2.43			3.3
	26.5	7.2	
2.6			3.4
	16	7.2	
1.95			2.7
	30.1	7.1	
3.96			3.8
	10.9	7.2	
2.32			2.7
	14.8	7.2	
3.46			3

	10.7	7.3	
2.28			2.1
	12	7.2	
3.6			2.5
	33.1	7.1	
2.39			2.7
	67.7	7.1	
3.72			3.2
	7.5	7.1	
1.74			3.8
	5.2	7.1	
1.52			2.3
	22.8	7.1	
1.87			1.9
	20.1	7.2	
3.02			1.6
	4.1	7.1	
1.07			1.7
	8.6	7.1	
1.18			1.8
	7.4	7.1	
1.11			2.1
	17.3	7.1	
1.15			1.8
	7.4	7.1	
1.18			1.9
	13.4	6.8	
1.21			1.7
	3	7	
1.05			1.2
	2	7.1	
1.04			1.5
1.06			1.3
	2	7	
1.19			1.4
	6.3	7.1	
1.3			1.4
	7.5	7	
1.9			1.6
	6.3	7.1	
1.25			1.5
	12.1	7.1	
1.49			1.5
	5.2	7.2	
1.83			1.8
	5.2	7	
1.36			1.6

	26.2	7	
7.28			1.6
	235.9	7	
4.88			1.6
	36.4	7	
1.68			1.8
	36.8	6.9	
3.34			1.7
	7.3	7.1	
2.61			1
	9.7	7.3	
1.92			1.4
	7.4	7.1	
7.81			1.8
	25.3	7	
1.53			1.6
	21.6	7.1	
1.59			1.7
	30.5	7	
1.62			1.5
	55.4	6.8	
1.59			1.8
	22.8	6.8	
1.33			1.5
	16	7.1	
1.24			1.5
	33.6	7.1	
1.09			1.2
	21.3	7.1	
1.05			1.2
	17.3	6.9	
0.98			1
	9.7	6.8	
0.95			1
	14.6	7.1	
1.1			1
	12.1	6.9	
1.19			1.7
	42.6	7	
1.96			5.5
	51.2	6.9	
1.15			1.5
	3	6.8	
1.04			1.4
	4.1	7	
1			1.4
	3.1	7	

0.8			0.7
	2	7.1	
2			2.1
	2	6.9	
0.92			1.2
	9.6	6.7	
0.89			1.2
	5.2	7.1	
0.71			0.9
	9.8	7	
0.94			1
	13.5	6.7	
1.01			1.2
	9.8	6.8	
0.69			0.9
	8.6	7.1	
0.63			0.8
	5.2	7.1	
0.56			0.8
	1	7	
0.76			0.5
	13.2	6.8	
0.75			1.4
	20.3	6.8	
0.68			0.9
	14.8	7	
1.42			1
	20.1	6.8	
0.97			1.1
	13.4	7.1	
1			1.1
	25.9	7	
0.93			1.1
	8.6	7	
1.33			0.9
	6.3	7	
1.38			1
	1	7.1	
1.53			0.9
	13.2	7.1	
1.58			0.7
	13.2	7.1	
1.87			1
	7.5	7	
9.57			0.8
	8.4	6.9	
2.22			0.9

	5.2	7.1	
2.51			0.9
	5.2	7	
3.19			1
	5.2	7.1	
4.16			1
	2	7.1	
2.39			0.4
	6.3	7	
2.33			1.2
	12.1	7.1	
2.55			0.7
	1	7.1	
2.21			1.1
	1	6.8	
2.9			1
	3.1	7.2	
2.29			1.4
	4.1	7.1	
2.57			1
	12.1	7.1	
1.78			1.1
	3.1	7	
1.8			1.3
	5.2	7.1	
1.44			1.4
	5.1	7.1	
1.71			1.2
	4.1	7	
2.62			1.4
	64.4	7	
1.31			1.2
	10.9	7	
1.42			1.7
	7.3	7	
1.19			1.5
	8.6	7	
1.13			1.6
	31.3	6.9	
1.49			2.1
	13.4	7.1	
1.51			2.7
	10.9	7.1	
1.12			1.9
	8.5	7.1	
1.09			1.8
	33.6	7.1	

2.43			6.6
	21.1	7	
1.05			2.1
	6.3	7.1	
1.09			1.2
	13.2	7.1	
3.46			0.3
	5.1	6.9	
0.96			1.3
	9.7	7.2	
1.01			1.5
	9.7	7	
0.98			1.5
	12.1	7	
0.5			1.7
	27.5	7	
1.12			0.6
	123.6	7	
1.23			1.7
	9.7	7.1	
1.18			1.7
	61.3	7.1	
1.26			1.4
	25.9	7.2	
0.99			1.5
	26.2	7.2	
1.19			1.4
	45.7	7.2	
1.06			1.7
	52.1	7.1	
1.52			1.2
	27.2	7.1	
2.24			1.2
	17.3	7.1	
1.58			1.7
	4.1	7.1	
1.65			1.6
	2	7.2	
1.52			1.6
	8.5	7.1	
1.6			1.7
	75.4	7.1	
1.44			1.6
	110.6	7.1	
1.5			2
	77.6	7.2	
1.62			2

	62.4	7.2	
2.02			1.7
	41.4	7.1	
11.39			2.3
	65	7.3	
1.56			2.4
	116.2	7.5	
1.32			2.2
	123.6	7.4	
1.54			2.3
	248.1	7.4	
1.57			2.4
	344.8	7.3	
1.23			1.7
	387.3	7.4	
1.66			2.3
	435.2	7.3	
1.55			2.5
	488.4	7.3	
1.65			2.7
	195.6	7.2	
1.56			2.4
	435.2	7.1	
1.75			2.9
	110.6	7.1	
1.61			2.4
	150	7	
1.71			2.3
	83	7.1	
1.8			2.8
	325.5	6.9	
1.98			3.4
	67	7.1	
1.8			1.9
	75.4	7.2	
1.78			2.5
	151.5	7.1	
2.11			2.6
	275.5	7.1	
2.44			3
	727	7	
2.18			3.1
	166.4	6.9	
4.66			2.5
	83.9	7.2	
2.43			2.4
	79.8	7.3	

<2.0			2.9
	96	7.2	
3.3			3.3
	57.3	7.3	
2.8			2.2
	48.7	7	
<2.0*			2.6
	26.2	7.1	
<2.0*			2.1
	36.9	7.1	
<2.0			2.4
	26.5	7	
<2.0			2.3
	22.8	7.1	
2.1			2
	16.1	7.2	
2.1			1.8
	12.1	7.2	
1.48			2.3
	17.5	7.2	
1.44			1.6
	14.5	7.2	
1.46			1.6
	224.7	7.2	
1.76			1.7
	18.7	7.2	
2			1.5
	17.3	7.2	
6.01			2.1
	34.1	7.2	
1.44			1.5
	35.5	7.1	
1.84			1.3
	14.6	7.1	
11.67			1.1
	32.7	7.1	
2.05			1.5
	49.5	7.1	
1.64			1.8
	98.5	7.1	
1.78			1.6
	64.4	7.1	
2			1.5
	31.5	7.1	
1.51			1.3
	98.8	7.1	
1.22			1.6

	54.6	7.1	
1.53			1.4
	51.2	7.1	
0.99			1.3
	42	7.1	
1.28			1.5
	28.5	7.1	
<1.2*			1.5
	25.9	7.1	
1.06			1.4
	37.9	7.2	
0.97			1.1
	32.7	7.2	
	20.3	7.2	
0.93			1.3
0.91			1.4
	30.5	7.2	
1.19			1.5
	86	7.1	
1.36			1.3
	61.3	7.1	
1.31			1.8
	73.8	7.1	
2.07			1.7
	21.3	7.2	
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	26.5	7.1	
1.39			1.6
	131.4	7.1	
1.28			1.6
	73.8	7.1	
1.26			2
	83.6	7.1	
1.33			1.7
	137.4	7.1	
0.77			1.3
	48.7	7.1	
1.3			1.4
	58.3	7.1	
0.95			1.1
	68.9	7.1	
1.14			1.1
	52	7.1	
1.11			1.5
	41.4	7	
1.36			1.3
	30.9	7.1	

0.89			1.6
	45	7	
1.78			1.8
	25.6	7	
2.5			1.6
	50.4	7.1	
2.9			1
	52	7	
3.8			2.8
	42.2	7	
5.4			1.6
	275.5	7	
4.1			1.9
	108.1	7	
6.1			2
	38.4	7	
7.6			2.1
	30.5	7.2	
7.85			1.5
	17.1	7.1	
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	25.6	7.1	
5.55			1.5
	30.5	7	
3.85			1.9
	17.1	7	
4.3			1.5
	17.1	7	
2.9			1.8
	8.6	7	
3.4			1.8
	6.3	7.1	
2.2			1.3
	8.4	7.1	
2.55			1.5
	15.8	7	
5.6			2
	1986.3	7	
5.55			2
	50.4	7.1	
4.85			2.3
	27.5	7.1	
3.85			2.1
	26.9	7	
3.4			1.9
	57.3	7.1	
2.7			1.6

	48.8	7.1	
3.85			1.7
	90.6	7.2	
2.45			1.5
	69.7	7.1	
2.75			1.4
	63.1	7.1	
2.5			1.2
	63.1	7.1	
3.15			1.6
	60.2	7	
4.15			1.6
	44.8	7	
1.51			1.7
	41.4	7.1	
1.855			1.9
	43.5	7	
1.815			1.6
	5.2	7	
1.865			1.7
	6.3	7	
2.375			1.5
	11.9	7	
2.36			2
	23.3	7.1	
2.475			1.8
	5.2	7.1	
5.545			1
	4.1	7	
2.87			1.5
	7.5	7	
2.9			1.5
	9.6	7	
2.9			1.8
	5.2	7	
2.995			1.8
	10.8	7	
1.245			1.9
	5.2	7	
4.285			1.9
	2	7	
3.21			1.8
	8.6	6.9	
3.46			11.1
	9.7	7	
2.18			1.9
	67	6.9	

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1.855			2
	3.1	6.9	
3.13			2
	9.6	7	
4.075			1.8
	4.1	7	
3.42			2.6
	3	7	
3.1			2.1
	4.1	7	
3.48			2.2
	3.1	6.9	
3.52			1.8
	8.4	6.9	
3.42			1.9
	8.6	6.8	
1.83			2
	8.5	7	
1.78			2.1
	7.4	7	
2.01			2.3
	33.1	7.1	
3.075			3.7
	11.9	7	
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	13.2	6.9	
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	13.2	6.9	
3.155			2.3
	10.9	6.9	
3.43			2.4
	8.6	7	
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	3.1	6.9	
1.36			3.2
	2	6.9	
0.9			1.4
	4.1	7	
0.735			1.3
	7.5	7	
2.945			1.6
	14.4	6.9	
2.705			1.6
	9.7	7	
3.02			1.3

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	5.1	7	
3.53			1.7
	7.4	7	
4.74			2
	8.4	6.9	
2.8			1.6
	9.7	6.9	
3.36			1.7
	7.5	7	
5.16			1.7
	7.5	7	
2.82			1.6
	9.8	6.9	
3.25			2
	17.1	7	
5.015			2
	14.6	7.4	
3.785			1.9
	13.4	7.3	
5.12			2.3
	14.5	7	
3.85			2
	22.6	7.3	
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	14.8	7.3	
3.835			2.5
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	14.6	7.2	
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	13.2	7.1	
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	17.3	7	
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	5.2	7.1	
3.14			1.6
	3.1	7	
3.47			1.8
	7.5	7	
3.155			2.1
	8.6	7	

3.17			3
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2.74			2.6
	7.4	7.1	
2.57			3
	8.5	7	
2.31			2.3
	2	7.2	
2.24			2.3
	7.3	7.3	
2.19			1.6
	7.5	7.1	
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	8.6	7.1	
2.23			1.8
	17.5	7	
2.14			2.3
	10.9	7	
2.09			1.7
	12.2	7	
2.13			2
	8.6	7	
1.5			1.5
	8.6	7.1	
1.44			1.5
	7.5	7.1	
1.94			1.4
	9.8	7.3	
1.3			1.4
	5.2	7.4	
1.45			1.6
	18.5	7.3	
4.4			1.4
	7.5	7.2	
1.72			1
	5.2	7.2	
1.67			2.1
	10.8	7.3	
1.78			2.9
	6.2	7.4	
1.55			1.4
	5.2	7.4	
1.57			1.5
	20.9	7.3	
1.77			2.5
	10.9	7.1	
2.02			2.3

	13.5	7	
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	16.9	6.9	
2.39			1.7
	14.8	7.1	
1.65			1.9
	3.1	6.9	
1.97			2.2
	4.1	7.1	
2.17			2.2
	23.1	7	
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	12.2	7	
2.16			2.2
	36.4	7	
5.8			2.2
	21.3	7.1	
2.04			1.8
	13.5	7.2	
1.95			2.3
	23.1	7	
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	21.6	6.9	
2.02			2
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1.96			1.7
	68.3	6.9	
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	80.9	7.1	
2.2			3.1
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	63.1	6.9	
1.71			1.3
	67	7	
2.18			2.2
	29.8	6.9	
1.87			1.6
	63.1	6.9	
2.27			2
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	21.6	6.8	
2.42			5.2
	24.3	6.9	
1.52			1.8
	24.3	6.8	

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	21.6	6.8	
1.46			1.2
	39.3	6.9	
1.54			1.2
	36.4	6.8	
1.43			1.2
	12.2	6.8	
1.39			0.8
	18.3	6.8	
1.55			1.3
	14.2	7	
1.4			1.5
	17.4	7.2	
1.32			0.9
	10.9	6.9	
1.63			1.4
	20.1	6.7	
1.54			1.5
	17.1	6.8	
1.42			1.3
	12.1	6.8	
1.43			1.1
	11.8	6.8	
1.91			1.9
	6.3	6.9	
1.79			1.8
	8.5	6.9	
2.07			1.4
	9.8	6.8	
1.74			1.7
	13.2	6.8	
1.67			1.5
	28.8	6.9	
1.86			1.1
	11	6.7	
3.58			3.6
	16	6.7	
2.31			1.3
	14.4	6.8	
3.81			0.8
	13.1	7.2	
2.75			1.4
	6.3	6.9	
3.79			1

	9.8	6.8	
3.32			4.1
	7.2	6.8	
3.59			0.7
	11	6.7	
2.46			4.1
	17.5	6.7	
3.04			1
	10.8	7.1	
2.28			1.2
	14.8	7.1	
2.91			0.7
	10.9	6.7	
1.81			0.7
	13.5	6.8	
4.09			22
	18.3	6.8	
1.21			1.3
	17.3	6.6	
1.39			1.1
	18.3	6.7	
1.31			1.3
	18.9	6.8	
1.39			1.3
	8.5	6.7	
1.44			1.6
	20.9	6.9	
1			0.5
	35.9	6.9	
1.24			1.3
	21.6	6.8	
1.45			1.3
	34.1	6.7	
1.33			1.4
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1.79			1.5
	17.5	7.1	
1.46			1
	42.6	7.1	
1.25			0.9
	11	7	
1.61			0.9
	65.7	6.9	
5.58			0.9
	32.3	7	
2.22			1.3
	34.5	7	

6.29			1
	30.5	7	
1.91			0.7
	17.3	7.1	
2.42			1.2
	5.2	6.9	
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	25.9	6.9	
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	22.6	6.9	
2.93			1.8
	13.4	6.9	
2.34			1.5
	12.2	6.9	
3.47			0.9
	17.1	6.9	
2.6			1.3
	9.6	6.9	
4.19			2.6
	18.7	6.8	
4.12			1.5
	11	6.9	
2.66			0.6
	27.2	6.9	
2.24			1.2
	13.5	6.8	
2			0.5
	9.7	6.8	
2.85			1.3
	12	6.9	
2.01			0.5
	23.1	7	
1.71			1.5
	5.2	7.1	
1.39			0.7
	17.1	6.9	
1.69			0.8
	18.7	6.9	
2.28			0.8
	22.8	7	
1.22			0.9
	18.7	7	
1.27			1
	12.1	7	
1.27			0.9
	13.5	7	
1.14			0.7

	6.3	7	
1.31			1.1
	8.6	7.1	
1.3			0.6
	10.9	6.9	
1.23			0.9
	9.8	6.9	
1.2			2
	10.9	6.9	
1.25			1.5
	25.9	6.9	
1.25			1.4
	12.2	7	
1.12			0.5
	7.4	7	
1.28			1.7
	9.8	7.1	
0.97			0.6
	6.3	7	
1.79			2
	7.4	7	
1.85			5
	4.1	7.2	
2.91			17.4
	12.2	7.1	
1.16			1.4
	21.3	7.1	
1.07			2.3
	5.2	7.1	
1.08			0.7
	12.1	7.1	
1.43			2.5
	22.6	7	
1.51			0.9
	17.1	7.1	
1.68			1.4
	24.6	7.1	
1.43			2
	17.3	7	
2.45			1
	24.3	7	
3			1.4
	70.6	7	
3.89			1
	67	7.1	
1.64			3.1
	40.4	7.2	

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	22.6	7.1	
2.05			0.9
	35.9	7.1	
3.05			1.8
	39.7	7.1	
6.02			17.6
	59.1	7.1	
5.79			35.2
	86.2	7.2	
4.59			2.3
	67.7	7.1	
3.2			1.6
	86	7.1	
2.65			1.1
	90.9	7.1	
2.24			1.1
	31.3	7	
3.01			1.4
	31.7	7.1	
2.19			1.3
	41.4	7.2	
2.35			1.5
	49.6	7.2	
2.3			1.1
	14.8	7.1	
2.4			1.4
	38.9	7.1	
2.17			1.7
	48.7	7.1	
2.38			1.7
	95.9	7.1	
2.35			1.5
	111.2	7.1	
1.98			2.2
	191.8	7.1	
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	410.6	7.1	
2.39			2.4
	387.3	7.2	
2.41			1.4
	410.6	7	
2.22			1.7
	325.5	7.2	
2.79			1.6
	248.1	7.2	
2.23			1.7

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	53.8	7.1	
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	29.2	6.9	
2.37			2.5
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2.12			1.8
	78.9	7.1	
1.83			1.6
	65.1	7.1	
1.91			1.7
	35.9	7	
1.92			1.3
	40.4	7.1	
3.28			1.5
	46.5	7.1	
2.4			1.6
	40.2	7.1	
2.23			1.6
	39.9	7.1	
2.57			1.7
	42.2	7	
2.18			1.7
	18.5	7	
1.95			1.8
	31.5	7	
1.93			1.6
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2.12			1.7
	28.8	7.1	
2.32			1.8
	29.2	7	
2.2			2
	30.1	7	
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	29.2	7	
2.55			2.3
	26.2	7	
2.8			2.8
	20.1	7.1	
3.06			2.4
	18.7	7	
2.77			2.7
	15.8	7.1	

3.15			2.4
	9.8	7	
2.65			2.3
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	14.6	7.1	
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	69.7	7	
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2.15			2.2
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2.18			2.6
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1.69			2.2
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1.65			1.6
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1.62			1
	43.2	7	
1.88			0.7
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1.79			1.4
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1.99			1.4
	26.2	6.9	
1.55			1.2
	24.3	7	
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	45.2	6.9	
2.25			2.3
	12.2	7.1	
1.76			2

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2.15			2
	18.5	7	
1.84			1.9
	57.6	6.9	
1.81			1.9
	1119.9	6.8	
3.25			4.6
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	8.6	7.1	
1.87			1.5
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	15.8	7	
1.25			1.2
	8.6	7.2	
1.35			1.1
	18.3	6.8	
1.21			1.4
	23.3	7	
1.91			1.5
	19.9	7.1	
1.8			1.6
	166.4	7.1	
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	77.1	7.1	
2.14			1.7
	40.8	7.1	
2.92			1.1
	35.5	7.1	
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3.86			1.6
	36.4	7.1	
3.46			1.5
	27.5	7	
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	55.7	7.1	
2.48			1.5
	19.3	7.1	
1.9			1.3
	18.3	7.1	

2.13			2.2
	17.5	7.2	
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	1	7.3	
1.3			1.1
	2	7.3	
1.13			1.1
	6.3	7.3	
1.3			1.2
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0.98			0.8
	17.1	7.3	
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	22.8	7.3	
1.23			1.2
	22.6	7.3	
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	20.1	7.2	
1.23			1.7
	21.6	7.2	
1.38			2.7
	71.7	7.2	
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	23.8	7.2	
1.29			1.2
	16	7.2	
1.53			1.6
	18.9	7.3	
1.35			1.9
	32.3	7.3	
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	38.8	7.2	
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1.55			2.5
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3.29			1.7

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	93.2	7.1	
2.8			0.9
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1.78			1
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3.02			1.4
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1.6			1.1
	45	7.2	
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2.32			1.3
	77.1	7.2	
2.56			1.7
	116.9	7.3	
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	123.4	7.3	
1.88			1.4
	120.1	7.3	
2.23			1.6
	67	7.3	
1.94			1.8
	172.3	7.3	
2.08			1.7
	65	7.3	
1.52			1.3
	101.2	7.3	
1.96			1.2
	93.2	7.3	
1.44			1
	108.6	7.2	
1.36			1
	88.6	7.2	
3.35			1.3
	108.6	7.2	
1.86			1.1
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	178.9	7.2	
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	44.1	7.2	
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	57.6	7.2	

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	75.4	7.2	
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2.34			0.9
	22.6	7.2	
2.33			1.4
	33.6	7.2	
2.71			1.6
	62	7.2	
2.61			1.6
	53	7.2	
2.36			3.6
	62	7.2	
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	32.7	7.1	
2.45			10.9
	39.3	7.1	
1.77			1.6
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00-MGD-DAILY_TOTAL	16.89	02/08/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.50	02/09/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.48	02/10/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.68	02/11/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.26	02/12/2022 12:00 AM

00-MGD-DAILY_TOTAL	17.24	02/13/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.70	02/14/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.64	02/15/2022 12:00 AM
00-MGD-DAILY_TOTAL	19.32	02/16/2022 12:00 AM
00-MGD-DAILY_TOTAL	28.05	02/17/2022 12:00 AM
00-MGD-DAILY_TOTAL	20.62	02/18/2022 12:00 AM
00-MGD-DAILY_TOTAL	19.05	02/19/2022 12:00 AM
00-MGD-DAILY_TOTAL	18.71	02/20/2022 12:00 AM
00-MGD-DAILY_TOTAL	20.09	02/21/2022 12:00 AM
00-MGD-DAILY_TOTAL	23.58	02/22/2022 12:00 AM
00-MGD-DAILY_TOTAL	22.71	02/23/2022 12:00 AM
00-MGD-DAILY_TOTAL	21.03	02/24/2022 12:00 AM
00-MGD-DAILY_TOTAL	19.39	02/25/2022 12:00 AM
00-MGD-DAILY_TOTAL	18.32	02/26/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.19	02/27/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.87	02/28/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.82	03/01/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.16	03/02/2022 12:00 AM
00-MGD-DAILY_TOTAL	16.18	03/03/2022 12:00 AM
00-MGD-DAILY_TOTAL	16.74	03/04/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.23	03/05/2022 12:00 AM
00-MGD-DAILY_TOTAL	17.93	03/06/2022 12:00 AM
00-MGD-DAILY_TOTAL	24.32	03/07/2022 12:00 AM
00-MGD-DAILY_TOTAL	21.02	03/08/2022 12:00 AM
00-MGD-DAILY_TOTAL	20.72	03/09/2022 12:00 AM
00-MGD-DAILY_TOTAL	20.25	03/10/2022 12:00 AM
00-MGD-DAILY_TOTAL	20.25	03/11/2022 12:00 AM
00-MGD-DAILY_TOTAL	19.84	03/12/2022 12:00 AM
00-MGD-DAILY_TOTAL	18.96	03/15/2022 12:00 AM
00-MGD-DAILY_TOTAL	18.79	03/16/2022 12:00 AM
00-MGD-DAILY_TOTAL	19.47	03/17/2022 12:00 AM
00-MGD-DAILY_TOTAL	18.66	03/18/2022 12:00 AM
00-MGD-DAILY_TOTAL	27.27	03/19/2022 12:00 AM
00-MGD-DAILY_TOTAL	25.11	03/20/2022 12:00 AM
00-MGD-DAILY_TOTAL	24.94	03/21/2022 12:00 AM
00-MGD-DAILY_TOTAL	21.94	03/22/2022 12:00 AM
00-MGD-DAILY_TOTAL	26.67	03/23/2022 12:00 AM
00-MGD-DAILY_TOTAL	32.81	03/24/2022 12:00 AM
00-MGD-DAILY_TOTAL	27.10	03/25/2022 12:00 AM
00-MGD-DAILY_TOTAL	23.55	03/26/2022 12:00 AM

ANALYTICAL RESULTS

Project: NPDES
Pace Project No.: 35471734

Sample: Final Effluent AF67755 Lab ID: 35471734001 Collected: 05/29/19 08:40 Received: 05/30/19 10:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Antimony	<5.5	ug/L	15.0	5.5	1	06/04/19 13:34	06/09/19 19:44	7440-36-0	
Arsenic	<7.1	ug/L	10.0	7.1	1	06/04/19 13:34	06/09/19 19:44	7440-38-2	
Beryllium	<1.6	ug/L	4.0	1.6	1	06/04/19 13:34	06/09/19 19:44	7440-41-7	
Cadmium	<0.33	ug/L	1.0	0.33	1	06/04/19 13:34	06/09/19 19:44	7440-43-9	
Chromium	<1.7	ug/L	5.0	1.7	1	06/04/19 13:34	06/09/19 19:44	7440-47-3	
Copper	3.0J	ug/L	5.0	2.6	1	06/04/19 13:34	06/09/19 19:44	7440-50-8	
Lead	<4.6	ug/L	10.0	4.6	1	06/04/19 13:34	06/09/19 19:44	7439-92-1	
Nickel	<2.1	ug/L	5.0	2.1	1	06/04/19 13:34	06/09/19 19:44	7440-02-0	
Selenium	<8.5	ug/L	15.0	8.5	1	06/04/19 13:34	06/09/19 19:44	7782-49-2	
Silver	<1.0	ug/L	5.0	1.0	1	06/04/19 13:34	06/09/19 19:44	7440-22-4	
Thallium	<6.6	ug/L	15.0	6.6	1	06/04/19 13:34	06/09/19 19:44	7440-28-0	N2
Tot Hardness asCaCO3 (SM 2340B	324000	ug/L	3310	506	1	06/04/19 13:34	06/09/19 19:44		
Zinc	20.2	ug/L	20.0	11.0	1	06/04/19 13:34	06/09/19 19:44	7440-66-6	
245.1 Mercury Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Mercury	<0.10	ug/L	0.20	0.10	1	06/04/19 10:00	06/05/19 13:27	7439-97-6	

Sample: Final Effluent AF67756 Lab ID: 35471734002 Collected: 05/29/19 08:40 Received: 05/30/19 10:25 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
625 MSSV Analytical Method: EPA 625.1 Preparation Method: EPA 625.1									
Acenaphthene	<0.25	ug/L	5.0	0.25	1	06/05/19 19:16	06/06/19 16:22	83-32-9	
Acenaphthylene	<0.21	ug/L	5.0	0.21	1	06/05/19 19:16	06/06/19 16:22	208-96-8	
Anthracene	<0.14	ug/L	5.0	0.14	1	06/05/19 19:16	06/06/19 16:22	120-12-7	
Benzidine	<5.1	ug/L	50.0	5.1	1	06/05/19 19:16	06/06/19 16:22	92-87-5	
Benzo(a)anthracene	<0.33	ug/L	5.0	0.33	1	06/05/19 19:16	06/06/19 16:22	56-55-3	
Benzo(a)pyrene	<0.30	ug/L	5.0	0.30	1	06/05/19 19:16	06/06/19 16:22	50-32-8	
Benzo(b)fluoranthene	<0.28	ug/L	5.0	0.28	1	06/05/19 19:16	06/06/19 16:22	205-99-2	
Benzo(g,h,i)perylene	<0.38	ug/L	5.0	0.38	1	06/05/19 19:16	06/06/19 16:22	191-24-2	
Benzo(k)fluoranthene	<0.43	ug/L	5.0	0.43	1	06/05/19 19:16	06/06/19 16:22	207-08-9	
4-Bromophenylphenyl ether	<0.82	ug/L	5.0	0.82	1	06/05/19 19:16	06/06/19 16:22	101-55-3	M1
Butylbenzylphthalate	<0.79	ug/L	5.0	0.79	1	06/05/19 19:16	06/06/19 16:22	85-68-7	
4-Chloro-3-methylphenol	<3.7	ug/L	5.0	3.7	1	06/05/19 19:16	06/06/19 16:22	59-50-7	
bis(2-Chloroethoxy)methane	<0.92	ug/L	10.0	0.92	1	06/05/19 19:16	06/06/19 16:22	111-91-1	
bis(2-Chloroethyl) ether	<1.0	ug/L	5.0	1.0	1	06/05/19 19:16	06/06/19 16:22	111-44-4	
2-Chloronaphthalene	<0.98	ug/L	5.0	0.98	1	06/05/19 19:16	06/06/19 16:22	91-58-7	L2,M0
2-Chlorophenol	<1.3	ug/L	5.0	1.3	1	06/05/19 19:16	06/06/19 16:22	95-57-8	
4-Chlorophenylphenyl ether	<0.87	ug/L	5.0	0.87	1	06/05/19 19:16	06/06/19 16:22	7005-72-3	
Chrysene	<0.21	ug/L	5.0	0.21	1	06/05/19 19:16	06/06/19 16:22	218-01-9	
Dibenz(a,h)anthracene	<0.55	ug/L	5.0	0.55	1	06/05/19 19:16	06/06/19 16:22	53-70-3	
3,3'-Dichlorobenzidine	<2.1	ug/L	25.0	2.1	1	06/05/19 19:16	06/06/19 16:22	91-94-1	
2,4-Dichlorophenol	<1.7	ug/L	5.0	1.7	1	06/05/19 19:16	06/06/19 16:22	120-83-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: Annual WW Sampling 2020 Effluent
Pace Project No.: 35538587

Sample: Final EFF. AG48810 **Lab ID: 35538587002** Collected: 03/17/20 23:59 Received: 03/19/20 10:05 Matrix: Water

Parameters	Results	Units	Report			Prepared	Analyzed	CAS No.	Qual
			Limit	MDL	DF				
200.7 MET ICP									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7									
Pace Analytical Services - Ormond Beach									
Antimony	ND	ug/L	15.0	5.5	1	03/20/20 04:53	03/20/20 14:30	7440-36-0	
Arsenic	ND	ug/L	10.0	7.1	1	03/20/20 04:53	03/20/20 14:30	7440-38-2	
Beryllium	ND	ug/L	4.0	1.6	1	03/20/20 04:53	03/20/20 14:30	7440-41-7	
Cadmium	ND	ug/L	1.0	0.33	1	03/20/20 04:53	03/20/20 14:30	7440-43-9	
Chromium	ND	ug/L	5.0	1.7	1	03/20/20 04:53	03/20/20 14:30	7440-47-3	
Copper	ND	ug/L	5.0	2.6	1	03/20/20 04:53	03/20/20 14:30	7440-50-8	
Ca Hardness as CaCO3 (SM 2340B)	218000	ug/L	1250	160	1	03/20/20 04:53	03/20/20 14:30		
Lead	ND	ug/L	10.0	4.6	1	03/20/20 04:53	03/20/20 14:30	7439-92-1	
Nickel	ND	ug/L	5.0	2.1	1	03/20/20 04:53	03/20/20 14:30	7440-02-0	
Selenium	ND	ug/L	15.0	8.5	1	03/20/20 04:53	03/20/20 14:30	7782-49-2	
Silver	ND	ug/L	5.0	1.0	1	03/20/20 04:53	03/20/20 14:30	7440-22-4	
Thallium	ND	ug/L	15.0	6.6	1	03/20/20 04:53	03/20/20 14:30	7440-28-0	N2
Tot Hardness asCaCO3 (SM 2340B)	325000	ug/L	3310	506	1	03/20/20 04:53	03/20/20 14:30		
Zinc	ND	ug/L	20.0	11.0	1	03/20/20 04:53	03/20/20 14:30	7440-66-6	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1									
Pace Analytical Services - Ormond Beach									
Mercury	ND	ug/L	0.20	0.10	1	03/24/20 13:13	03/25/20 12:59	7439-97-6	
625 RVE									
Analytical Method: EPA 625.1 Preparation Method: EPA 625.1									
Pace Analytical Services - Charlotte									
Acenaphthene	ND	ug/L	5.0	1.4	1	03/23/20 11:26	03/24/20 01:02	83-32-9	
Acenaphthylene	ND	ug/L	5.0	1.5	1	03/23/20 11:26	03/24/20 01:02	208-96-8	
Anthracene	ND	ug/L	5.0	1.6	1	03/23/20 11:26	03/24/20 01:02	120-12-7	
Benzidine	ND	ug/L	50.0	3.3	1	03/23/20 11:26	03/24/20 01:02	92-87-5	L2
Benzo(a)anthracene	ND	ug/L	5.0	1.5	1	03/23/20 11:26	03/24/20 01:02	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	1.8	1	03/23/20 11:26	03/24/20 01:02	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	1.7	1	03/23/20 11:26	03/24/20 01:02	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	1.6	1	03/23/20 11:26	03/24/20 01:02	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	1.5	1	03/23/20 11:26	03/24/20 01:02	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1.2	1	03/23/20 11:26	03/24/20 01:02	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	1.9	1	03/23/20 11:26	03/24/20 01:02	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	2.8	1	03/23/20 11:26	03/24/20 01:02	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.3	1	03/23/20 11:26	03/24/20 01:02	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1.7	1	03/23/20 11:26	03/24/20 01:02	111-44-4	
2-Chloronaphthalene	ND	ug/L	5.0	1.4	1	03/23/20 11:26	03/24/20 01:02	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1.4	1	03/23/20 11:26	03/24/20 01:02	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	1.5	1	03/23/20 11:26	03/24/20 01:02	7005-72-3	
Chrysene	ND	ug/L	5.0	1.4	1	03/23/20 11:26	03/24/20 01:02	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	1.6	1	03/23/20 11:26	03/24/20 01:02	53-70-3	
3,3'-Dichlorobenzidine	ND	ug/L	10.0	2.7	1	03/23/20 11:26	03/24/20 01:02	91-94-1	
2,4-Dichlorophenol	ND	ug/L	5.0	1.5	1	03/23/20 11:26	03/24/20 01:02	120-83-2	
Diethylphthalate	ND	ug/L	5.0	1.6	1	03/23/20 11:26	03/24/20 01:02	84-66-2	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: WWTP Annual Effluent Aug 2021
Pace Project No.: 35653681

Sample: AH88938 Effluent Composite **Lab ID: 35653681002** Collected: 08/04/21 23:59 Received: 08/06/21 11:05 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
200.7 MET ICP									
Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Ormond Beach									
Antimony	ND	ug/L	15.0	5.5	1	08/17/21 17:19	08/19/21 12:26	7440-36-0	
Arsenic	ND	ug/L	10.0	3.4	1	08/17/21 17:19	08/19/21 12:26	7440-38-2	
Barium	42.2	ug/L	10.0	0.84	1	08/17/21 17:19	08/19/21 12:26	7440-39-3	
Beryllium	ND	ug/L	4.0	0.17	1	08/17/21 17:19	08/19/21 12:26	7440-41-7	
Boron	128	ug/L	50.0	12.4	1	08/17/21 17:19	08/19/21 12:26	7440-42-8	
Cadmium	ND	ug/L	1.0	0.33	1	08/17/21 17:19	08/19/21 12:26	7440-43-9	
Chromium	ND	ug/L	5.0	1.7	1	08/17/21 17:19	08/19/21 12:26	7440-47-3	
Copper	ND	ug/L	5.0	2.6	1	08/17/21 17:19	08/19/21 12:26	7440-50-8	
Ca Hardness as CaCO3 (SM 2340B)	179000	ug/L	1250	160	1	08/17/21 17:19	08/19/21 12:26		
Lead	ND	ug/L	10.0	4.6	1	08/17/21 17:19	08/19/21 12:26	7439-92-1	
Nickel	ND	ug/L	5.0	2.1	1	08/17/21 17:19	08/19/21 12:26	7440-02-0	
Selenium	ND	ug/L	15.0	3.9	1	08/17/21 17:19	08/19/21 12:26	7782-49-2	
Silver	ND	ug/L	5.0	1.0	1	08/17/21 17:19	08/19/21 12:26	7440-22-4	
Thallium	ND	ug/L	15.0	6.6	1	08/17/21 17:19	08/19/21 12:26	7440-28-0	N2
Tot Hardness asCaCO3 (SM 2340B)	253000	ug/L	3310	506	1	08/17/21 17:19	08/19/21 12:26		
Zinc	ND	ug/L	20.0	11.0	1	08/17/21 17:19	08/19/21 12:26	7440-66-6	
245.1 Mercury									
Analytical Method: EPA 245.1 Preparation Method: EPA 245.1 Pace Analytical Services - Ormond Beach									
Mercury	ND	ug/L	0.20	0.090	1	08/17/21 08:07	08/17/21 14:35	7439-97-6	
625 RVE									
Analytical Method: EPA 625.1 Preparation Method: EPA 625.1 Pace Analytical Services - Charlotte									
Acenaphthene	ND	ug/L	5.0	2.0	1	08/11/21 11:00	08/12/21 19:12	83-32-9	
Acenaphthylene	ND	ug/L	5.0	2.0	1	08/11/21 11:00	08/12/21 19:12	208-96-8	
Anthracene	ND	ug/L	5.0	2.3	1	08/11/21 11:00	08/12/21 19:12	120-12-7	
Benzidine	ND	ug/L	50.0	13.4	1	08/11/21 11:00	08/12/21 19:12	92-87-5	
Benzo(a)anthracene	ND	ug/L	5.0	2.7	1	08/11/21 11:00	08/12/21 19:12	56-55-3	
Benzo(a)pyrene	ND	ug/L	5.0	2.8	1	08/11/21 11:00	08/12/21 19:12	50-32-8	
Benzo(b)fluoranthene	ND	ug/L	5.0	2.6	1	08/11/21 11:00	08/12/21 19:12	205-99-2	
Benzo(g,h,i)perylene	ND	ug/L	5.0	2.8	1	08/11/21 11:00	08/12/21 19:12	191-24-2	
Benzo(k)fluoranthene	ND	ug/L	5.0	2.7	1	08/11/21 11:00	08/12/21 19:12	207-08-9	
4-Bromophenylphenyl ether	ND	ug/L	5.0	1.8	1	08/11/21 11:00	08/12/21 19:12	101-55-3	
Butylbenzylphthalate	ND	ug/L	5.0	3.1	1	08/11/21 11:00	08/12/21 19:12	85-68-7	
4-Chloro-3-methylphenol	ND	ug/L	5.0	3.3	1	08/11/21 11:00	08/12/21 19:12	59-50-7	
bis(2-Chloroethoxy)methane	ND	ug/L	10.0	1.8	1	08/11/21 11:00	08/12/21 19:12	111-91-1	
bis(2-Chloroethyl) ether	ND	ug/L	5.0	1.9	1	08/11/21 11:00	08/12/21 19:12	111-44-4	
2-Chloronaphthalene	ND	ug/L	5.0	1.7	1	08/11/21 11:00	08/12/21 19:12	91-58-7	
2-Chlorophenol	ND	ug/L	5.0	1.2	1	08/11/21 11:00	08/12/21 19:12	95-57-8	
4-Chlorophenylphenyl ether	ND	ug/L	5.0	2.0	1	08/11/21 11:00	08/12/21 19:12	7005-72-3	
Chrysene	ND	ug/L	5.0	2.8	1	08/11/21 11:00	08/12/21 19:12	218-01-9	
Dibenz(a,h)anthracene	ND	ug/L	5.0	3.0	1	08/11/21 11:00	08/12/21 19:12	53-70-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	1.8	1	08/11/21 11:00	08/12/21 19:12	95-50-1	

REPORT OF LABORATORY ANALYSIS

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Sample ID	Location description	Collection Date/Time	FECAL_COLI_MPN	TSS
AH27262	Final Effluent	1/1/2021 8:23	35	
AH27438	Final Effluent	1/1/2021 23:59		1.5
AH27530	Final Effluent	1/2/2021 8:20	63.1	
AH27695	Final Effluent	1/2/2021 23:59		1.3
AH27787	Final Effluent	1/3/2021 8:36	67	
AH27952	Final Effluent	1/3/2021 23:59		2.2
AH28069	Final Effluent	1/4/2021 8:36	29.8	
AH28256	Final Effluent	1/4/2021 23:59		1.6
AH28364	Final Effluent	1/5/2021 8:12	63.1	
AH28558	Final Effluent	1/5/2021 23:59		2
AH28669	Final Effluent	1/6/2021 8:06	60.5	
AH28861	Final Effluent	1/6/2021 23:59		1.8
AH28974	Final Effluent	1/7/2021 8:06	21.6	
AH29141	Final Effluent	1/7/2021 23:59		5.2
AH29250	Final Effluent	1/8/2021 8:09	24.3	
AH29418	Final Effluent	1/8/2021 23:59		1.8
AH29519	Final Effluent	1/9/2021 8:02	24.3	
AH29684	Final Effluent	1/9/2021 23:59		1.6
AH29777	Final Effluent	1/10/2021 8:10	14.6	
AH29942	Final Effluent	1/10/2021 23:59		1.1
AH30059	Final Effluent	1/11/2021 8:02	21.6	
AH30220	Final Effluent	1/11/2021 23:59		1.2
AH30332	Final Effluent	1/12/2021 7:59	39.3	
AH30505	Final Effluent	1/12/2021 23:59		1.2
AH30617	Final Effluent	1/13/2021 8:12	36.4	
AH30804	Final Effluent	1/13/2021 23:59		1.2
AH30917	Final Effluent	1/14/2021 8:01	12.2	
AH31090	Final Effluent	1/14/2021 23:59		0.8
AH31193	Final Effluent	1/15/2021 8:01	18.3	
AH31368	Final Effluent	1/15/2021 23:59		1.3
AH31461	Final Effluent	1/16/2021 8:47	14.2	
AH31629	Final Effluent	1/16/2021 23:59		1.5
AH31722	Final Effluent	1/17/2021 8:50	17.4	
AH31887	Final Effluent	1/17/2021 23:59		0.9
AH31997	Final Effluent	1/18/2021 8:16	10.9	
AH32171	Final Effluent	1/18/2021 23:59		1.4
AH32279	Final Effluent	1/19/2021 8:01	20.1	
AH32459	Final Effluent	1/19/2021 23:59		1.5
AH32571	Final Effluent	1/20/2021 8:11	17.1	
AH32748	Final Effluent	1/20/2021 23:59		1.3
AH32861	Final Effluent	1/21/2021 8:01	12.1	
AH33036	Final Effluent	1/21/2021 23:59		1.1
AH33145	Final Effluent	1/22/2021 8:03	11.8	
AH33314	Final Effluent	1/22/2021 23:59		1.9
AH33407	Final Effluent	1/23/2021 8:28	6.3	
AH33572	Final Effluent	1/23/2021 23:59		1.8

AH33665	Final Effluent	1/24/2021 8:17	8.5	
AH33832	Final Effluent	1/24/2021 23:59		1.4
AH33949	Final Effluent	1/25/2021 8:00	9.8	
AH34124	Final Effluent	1/25/2021 23:59		1.7
AH34233	Final Effluent	1/26/2021 8:10	13.2	
AH34429	Final Effluent	1/26/2021 23:59		1.5
AH34541	Final Effluent	1/27/2021 7:58	28.8	
AH34709	Final Effluent	1/27/2021 23:59		1.1
AH34822	Final Effluent	1/28/2021 8:07	11	
AH35008	Final Effluent	1/28/2021 23:59		3.6
AH35117	Final Effluent	1/29/2021 7:59	16	
AH35314	Final Effluent	1/29/2021 23:59		1.3
AH35408	Final Effluent	1/30/2021 8:11	14.4	
AH35565	Final Effluent	1/30/2021 23:59		0.8
AH35666	Final Effluent	1/31/2021 9:16	13.1	JAN FECAL AVG
AH35832	Final Effluent	1/31/2021 23:59		1.4
AH35949	Final Effluent	2/1/2021 8:00	6.3	24.4
AH36142	Final Effluent	2/1/2021 23:59		1
AH36251	Final Effluent	2/2/2021 8:20	9.8	
AH36420	Final Effluent	2/2/2021 23:59		4.1
AH36540	Final Effluent	2/3/2021 8:04	7.2	
AH36720	Final Effluent	2/3/2021 23:59		0.7
AH36833	Final Effluent	2/4/2021 8:00	11	
AH36998	Final Effluent	2/4/2021 23:59		4.1
AH37107	Final Effluent	2/5/2021 8:13	17.5	
AH37274	Final Effluent	2/5/2021 23:59		1
AH37367	Final Effluent	2/6/2021 8:48	10.8	
AH37532	Final Effluent	2/6/2021 23:59		1.2
AH37625	Final Effluent	2/7/2021 8:53	14.8	
AH37790	Final Effluent	2/7/2021 23:59		0.7
AH37907	Final Effluent	2/8/2021 7:53	10.9	
AH38078	Final Effluent	2/8/2021 23:59		0.7
AH38195	Final Effluent	2/9/2021 8:09	13.5	
AH38382	Final Effluent	2/9/2021 23:59		22
AH38494	Final Effluent	2/10/2021 8:04	18.3	
AH38661	Final Effluent	2/10/2021 23:59		1.3
AH38774	Final Effluent	2/11/2021 8:00	17.3	
AH38940	Final Effluent	2/11/2021 23:59		1.1
AH39049	Final Effluent	2/12/2021 8:03	18.3	
AH39222	Final Effluent	2/12/2021 23:59		1.3
AH39315	Final Effluent	2/13/2021 8:47	18.9	
AH39480	Final Effluent	2/13/2021 23:59		1.3
AH39573	Final Effluent	2/14/2021 8:10	8.5	
AH39738	Final Effluent	2/14/2021 23:59		1.6
AH39855	Final Effluent	2/15/2021 8:24	20.9	
AH40020	Final Effluent	2/15/2021 23:59		0.5
AH40128	Final Effluent	2/16/2021 8:07	35.9	

AH40303	Final Effluent	2/16/2021 23:59		1.3
AH40412	Final Effluent	2/17/2021 8:20	21.6	
AH40596	Final Effluent	2/17/2021 23:59		1.3
AH40706	Final Effluent	2/18/2021 8:01	34.1	
AH40892	Final Effluent	2/18/2021 23:59		1.4
AH41001	Final Effluent	2/19/2021 8:01	25.6	
AH41179	Final Effluent	2/19/2021 23:59		1.5
AH41272	Final Effluent	2/20/2021 8:40	17.5	
AH41437	Final Effluent	2/20/2021 23:59		1
AH41530	Final Effluent	2/21/2021 8:21	42.6	
AH41695	Final Effluent	2/21/2021 23:59		0.9
AH41812	Final Effluent	2/22/2021 7:58	11	
AH41987	Final Effluent	2/22/2021 23:59		0.9
AH42096	Final Effluent	2/23/2021 8:01	65.7	
AH42273	Final Effluent	2/23/2021 23:59		0.9
AH42385	Final Effluent	2/24/2021 8:01	32.3	
AH42559	Final Effluent	2/24/2021 23:59		1.3
AH42672	Final Effluent	2/25/2021 7:58	34.5	
AH42901	Final Effluent	2/25/2021 23:59		1
AH43010	Final Effluent	2/26/2021 7:55	30.5	
AH43177	Final Effluent	2/26/2021 23:59		0.7
AH43270	Final Effluent	2/27/2021 8:40	17.3	
AH43435	Final Effluent	2/27/2021 23:59		1.2
AH43528	Final Effluent	2/28/2021 8:48	5.2	FEB FECAL AVG
AH43694	Final Effluent	2/28/2021 23:59	1.3	20.6
AH43811	Final Effluent	3/1/2021 7:58	25.9	
AH43995	Final Effluent	3/1/2021 23:59		1.4
AH44104	Final Effluent	3/2/2021 8:04	22.6	
AH44283	Final Effluent	3/2/2021 23:59		1.8
AH44395	Final Effluent	3/3/2021 7:59	13.4	
AH44569	Final Effluent	3/3/2021 23:59		1.5
AH44682	Final Effluent	3/4/2021 7:57	12.2	
AH44848	Final Effluent	3/4/2021 23:59		0.9
AH44959	Final Effluent	3/5/2021 7:55	17.1	
AH45132	Final Effluent	3/5/2021 23:59		1.3
AH45225	Final Effluent	3/6/2021 8:15	9.6	
AH45390	Final Effluent	3/6/2021 23:59		2.6
AH45483	Final Effluent	3/7/2021 8:30	18.7	
AH45648	Final Effluent	3/7/2021 23:59		1.5
AH45765	Final Effluent	3/8/2021 7:58	11	
AH45937	Final Effluent	3/8/2021 23:59		0.6
AH46040	Final Effluent	3/9/2021 7:57	27.2	
AH46228	Final Effluent	3/9/2021 23:59		1.2
AH46339	Final Effluent	3/10/2021 7:55	13.5	
AH46512	Final Effluent	3/10/2021 23:59		0.5
AH46624	Final Effluent	3/11/2021 8:02	9.7	
AH46801	Final Effluent	3/11/2021 23:59		1.3

AH46903	Final Effluent	3/12/2021 7:56	12	
AH47081	Final Effluent	3/12/2021 23:59		0.5
AH47173	Final Effluent	3/13/2021 8:27	23.1	
AH47338	Final Effluent	3/13/2021 23:59		1.5
AH47416	Final Effluent	3/14/2021 8:35	5.2	
AH47581	Final Effluent	3/14/2021 23:59		0.7
AH47688	Final Effluent	3/15/2021 7:57	17.1	
AH47869	Final Effluent	3/15/2021 23:59		0.8
AH47976	Final Effluent	3/16/2021 8:00	18.7	
AH48172	Final Effluent	3/16/2021 23:59		0.8
AH48283	Final Effluent	3/17/2021 8:02	22.8	
AH48462	Final Effluent	3/17/2021 23:59		0.9
AH48569	Final Effluent	3/18/2021 8:01	18.7	
AH48746	Final Effluent	3/18/2021 23:59		1
AH48855	Final Effluent	3/19/2021 7:59	12.1	
AH49025	Final Effluent	3/19/2021 23:59		0.9
AH49118	Final Effluent	3/20/2021 8:06	13.5	
AH49283	Final Effluent	3/20/2021 23:59		0.7
AH49376	Final Effluent	3/21/2021 8:12	6.3	
AH49540	Final Effluent	3/21/2021 23:59		1.1
AH49657	Final Effluent	3/22/2021 8:00	8.6	
AH49840	Final Effluent	3/22/2021 23:59		0.6
AH49948	Final Effluent	3/23/2021 7:58	10.9	
AH50126	Final Effluent	3/23/2021 23:59		0.9
AH50235	Final Effluent	3/24/2021 8:00	9.8	
AH50427	Final Effluent	3/24/2021 23:59		2
AH50537	Final Effluent	3/25/2021 8:00	10.9	
AH50715	Final Effluent	3/25/2021 23:59		1.5
AH50828	Final Effluent	3/26/2021 7:58	25.9	
AH51008	Final Effluent	3/26/2021 23:59		1.4
AH51101	Final Effluent	3/27/2021 8:19	12.2	
AH51258	Final Effluent	3/27/2021 23:59		0.5
AH51359	Final Effluent	3/28/2021 8:29	7.4	
AH51524	Final Effluent	3/28/2021 23:59		1.7
AH51641	Final Effluent	3/29/2021 8:04	9.8	
AH51818	Final Effluent	3/29/2021 23:59		0.6
AH51926	Final Effluent	3/30/2021 7:59	6.3	
AH52096	Final Effluent	3/30/2021 23:59		2
AH52205	Final Effluent	3/31/2021 8:03	7.4	
AH52388	Final Effluent	3/31/2021 23:59		5
AH52499	Final Effluent	4/1/2021 8:03	4.1	
AH52695	Final Effluent	4/1/2021 23:59		17.4
AH52803	Final Effluent	4/2/2021 8:00	12.2	
AH52986	Final Effluent	4/2/2021 23:59		1.4
AH53079	Final Effluent	4/3/2021 8:22	21.3	
AH53250	Final Effluent	4/3/2021 23:59		2.3
AH53343	Final Effluent	4/4/2021 8:13	5.2	
				MAR FECAL AVG
				14.2

AH53509	Final Effluent	4/4/2021 23:59		0.7
AH53632	Final Effluent	4/5/2021 8:00	12.1	
AH53818	Final Effluent	4/5/2021 23:59		2.5
AH53933	Final Effluent	4/6/2021 8:08	22.6	
AH54107	Final Effluent	4/6/2021 23:59		0.9
AH54228	Final Effluent	4/7/2021 8:00	17.1	
AH54442	Final Effluent	4/7/2021 23:59		1.4
AH54555	Final Effluent	4/8/2021 8:06	24.6	
AH54724	Final Effluent	4/8/2021 23:59		2
AH54833	Final Effluent	4/9/2021 8:03	17.3	
AH54998	Final Effluent	4/9/2021 23:59		1
AH55099	Final Effluent	4/10/2021 8:09	24.3	
AH55265	Final Effluent	4/10/2021 23:59		1.4
AH55358	Final Effluent	4/11/2021 8:18	70.6	
AH55523	Final Effluent	4/11/2021 23:59		1
AH55640	Final Effluent	4/12/2021 7:58	67	
AH55844	Final Effluent	4/12/2021 23:59		3.1
AH55953	Final Effluent	4/13/2021 8:03	40.4	
AH56126	Final Effluent	4/13/2021 23:59		1.2
AH56238	Final Effluent	4/14/2021 8:03	22.6	
AH56432	Final Effluent	4/14/2021 23:59		0.9
AH56545	Final Effluent	4/15/2021 8:02	35.9	
AH56720	Final Effluent	4/15/2021 23:59		1.8
AH56829	Final Effluent	4/16/2021 8:00	39.7	
AH57000	Final Effluent	4/16/2021 23:59		17.6
AH57093	Final Effluent	4/17/2021 8:13	59.1	
AH57258	Final Effluent	4/17/2021 23:59		35.2
AH57351	Final Effluent	4/18/2021 8:13	86.2	
AH57522	Final Effluent	4/18/2021 23:59		2.3
AH57639	Final Effluent	4/19/2021 7:58	67.7	
AH57820	Final Effluent	4/19/2021 23:59		1.6
AH57929	Final Effluent	4/20/2021 7:58	86	
AH58133	Final Effluent	4/20/2021 23:59		1.1
AH58255	Final Effluent	4/21/2021 8:03	90.9	
AH58473	Final Effluent	4/21/2021 23:59		1.1
AH58596	Final Effluent	4/22/2021 8:02	31.3	
AH58790	Final Effluent	4/22/2021 23:59		1.4
AH58903	Final Effluent	4/23/2021 8:00	31.7	
AH59089	Final Effluent	4/23/2021 23:59		1.3
AH59186	Final Effluent	4/24/2021 8:07	41.4	
AH59362	Final Effluent	4/24/2021 23:59		1.5
AH59459	Final Effluent	4/25/2021 8:14	49.6	
AH59633	Final Effluent	4/25/2021 23:59		1.1
AH59754	Final Effluent	4/26/2021 8:02	14.8	
AH59939	Final Effluent	4/26/2021 23:59		1.4
AH60052	Final Effluent	4/27/2021 7:58	38.9	
AH60268	Final Effluent	4/27/2021 23:59		1.7

AH60384	Final Effluent	4/28/2021 7:59	48.7	
AH60577	Final Effluent	4/28/2021 23:59		1.7
AH60694	Final Effluent	4/29/2021 8:00	95.9	
AH60978	Final Effluent	4/29/2021 23:59		1.5
AH61090	Final Effluent	4/30/2021 8:00	111.2	APR FECAL AVG
AH61270	Final Effluent	4/30/2021 23:59		2.2
AH61366	Final Effluent	5/1/2021 8:27	191.8	43.0
AH61556	Final Effluent	5/1/2021 23:59		3.7
AH61652	Final Effluent	5/2/2021 9:57	410.6	
AH61826	Final Effluent	5/2/2021 23:59		2.4
AH61946	Final Effluent	5/3/2021 8:01	387.3	
AH62131	Final Effluent	5/3/2021 23:59		1.4
AH62240	Final Effluent	5/4/2021 8:10	410.6	
AH62442	Final Effluent	5/4/2021 23:59		1.7
AH62554	Final Effluent	5/5/2021 8:01	325.5	
AH62760	Final Effluent	5/5/2021 23:59		1.6
AH62874	Final Effluent	5/6/2021 8:00	248.1	
AH63062	Final Effluent	5/6/2021 23:59		1.7
AH63172	Final Effluent	5/7/2021 8:03	141.4	
AH63352	Final Effluent	5/7/2021 23:59		1.4
AH63446	Final Effluent	5/8/2021 8:00	53.8	
AH63620	Final Effluent	5/8/2021 23:59		1.9
AH63714	Final Effluent	5/9/2021 8:34	29.2	
AH63887	Final Effluent	5/9/2021 23:59		2.5
AH64005	Final Effluent	5/10/2021 8:02	23.1	
AH64192	Final Effluent	5/10/2021 23:59		1.8
AH64302	Final Effluent	5/11/2021 7:57	78.9	
AH64497	Final Effluent	5/11/2021 23:59		1.6
AH64610	Final Effluent	5/12/2021 8:01	65.1	
AH64827	Final Effluent	5/12/2021 23:59		1.7
AH64941	Final Effluent	5/13/2021 8:02	35.9	
AH65122	Final Effluent	5/13/2021 23:59		1.3
AH65239	Final Effluent	5/14/2021 8:03	40.4	
AH65424	Final Effluent	5/14/2021 23:59		1.5
AH65518	Final Effluent	5/15/2021 8:11	46.5	
AH65697	Final Effluent	5/15/2021 23:59		1.6
AH65791	Final Effluent	5/16/2021 8:15	40.2	
AH65964	Final Effluent	5/16/2021 23:59		1.6
AH66082	Final Effluent	5/17/2021 7:58	39.9	
AH66270	Final Effluent	5/17/2021 23:59		1.7
AH66380	Final Effluent	5/18/2021 8:00	42.2	
AH66571	Final Effluent	5/18/2021 23:59		1.7
AH66692	Final Effluent	5/19/2021 7:57	18.5	
AH66900	Final Effluent	5/19/2021 23:59		1.8
AH67014	Final Effluent	5/20/2021 8:00	31.5	
AH67200	Final Effluent	5/20/2021 23:59		1.6
AH67310	Final Effluent	5/21/2021 7:56	22.6	

AH67477	Final Effluent	5/21/2021 23:59		1.7	
AH67579	Final Effluent	5/22/2021 8:15	32.7		
AH67753	Final Effluent	5/22/2021 23:59		1.7	
AH67847	Final Effluent	5/23/2021 8:26	28.8		
AH68020	Final Effluent	5/23/2021 23:59		1.8	
AH68138	Final Effluent	5/24/2021 7:58	29.2		
AH68335	Final Effluent	5/24/2021 23:59		2	
AH68445	Final Effluent	5/25/2021 7:59	30.1		
AH68667	Final Effluent	5/25/2021 23:59		1.8	
AH68780	Final Effluent	5/26/2021 7:59	29.2		
AH68977	Final Effluent	5/26/2021 23:59		2.3	
AH69091	Final Effluent	5/27/2021 8:00	26.2		
AH69276	Final Effluent	5/27/2021 23:59		2.8	
AH69384	Final Effluent	5/28/2021 7:56	20.1		
AH69569	Final Effluent	5/28/2021 23:59		2.4	
AH69662	Final Effluent	5/29/2021 8:44	18.7		
AH69842	Final Effluent	5/29/2021 23:59		2.7	
AH69935	Final Effluent	5/30/2021 8:32	15.8		
AH70109	Final Effluent	5/30/2021 23:59		2.4	
AH70226	Final Effluent	5/31/2021 8:50	9.8		MAY FECAL AVG
AH70400	Final Effluent	5/31/2021 23:59		2.3	94.3
AH70509	Final Effluent	6/1/2021 7:59	25.9		
AH70715	Final Effluent	6/1/2021 23:59		2.4	
AH70825	Final Effluent	6/2/2021 7:59	14.6		
AH71019	Final Effluent	6/2/2021 23:59		2.2	
AH71142	Final Effluent	6/3/2021 7:58	86		
AH71340	Final Effluent	6/3/2021 23:59		2.2	
AH71450	Final Effluent	6/4/2021 7:58	69.7		
AH71635	Final Effluent	6/4/2021 23:59		1.8	
AH71729	Final Effluent	6/5/2021 8:32	86		
AH71896	Final Effluent	6/5/2021 23:59		2	
AH71986	Final Effluent	6/6/2021 8:30	55.4		
AH72152	Final Effluent	6/6/2021 23:59		2.2	
AH72266	Final Effluent	6/7/2021 7:58	83.6		
AH72460	Final Effluent	6/7/2021 23:59		2.6	
AH72574	Final Effluent	6/8/2021 8:11	172.3		
AH72792	Final Effluent	6/8/2021 23:59		2.2	
AH72900	Final Effluent	6/9/2021 8:01	209.8		
AH73107	Final Effluent	6/9/2021 23:59		2	
AH73217	Final Effluent	6/10/2021 8:00	139.6		
AH73404	Final Effluent	6/10/2021 23:59		2	
AH73509	Final Effluent	6/11/2021 7:57	51.2		
AH73681	Final Effluent	6/11/2021 23:59		2.6	
AH73771	Final Effluent	6/12/2021 8:12	36.4		
AH73943	Final Effluent	6/12/2021 23:59		1.6	
AH74033	Final Effluent	6/13/2021 7:00	49.6		
AH74199	Final Effluent	6/13/2021 23:59		1	

AH74297	Final Effluent	6/14/2021 8:03	51.2	
AH74492	Final Effluent	6/14/2021 23:59		1
AH74598	Final Effluent	6/15/2021 8:01	43.2	
AH74781	Final Effluent	6/15/2021 23:59		0.7
AH74884	Final Effluent	6/16/2021 8:01	23.8	
AH75090	Final Effluent	6/16/2021 23:59		1.4
AH75200	Final Effluent	6/17/2021 7:58	45	
AH75382	Final Effluent	6/17/2021 23:59		1.5
AH75488	Final Effluent	6/18/2021 7:56	23.1	
AH75655	Final Effluent	6/18/2021 23:59		1.4
AH75744	Final Effluent	6/19/2021 8:22	26.2	
AH75909	Final Effluent	6/19/2021 23:59		1.2
AH75999	Final Effluent	6/20/2021 7:47	24.3	
AH76166	Final Effluent	6/20/2021 23:59		1.3
AH76280	Final Effluent	6/21/2021 7:58	45.2	
AH76481	Final Effluent	6/21/2021 23:59		2.3
AH76587	Final Effluent	6/22/2021 8:00	12.2	
AH76771	Final Effluent	6/22/2021 23:59		2
AH76866	Final Effluent	6/23/2021 8:05	12.1	
AH77087	Final Effluent	6/23/2021 23:59		2
AH77196	Final Effluent	6/24/2021 7:55	18.5	
AH77379	Final Effluent	6/24/2021 23:59		1.9
AH77484	Final Effluent	6/25/2021 7:57	57.6	
AH77655	Final Effluent	6/25/2021 23:59		1.9
AH77744	Final Effluent	6/26/2021 8:27	1119.9	
AH77916	Final Effluent	6/26/2021 23:59		4.6
AH78005	Final Effluent	6/27/2021 8:18	21.6	
AH78171	Final Effluent	6/27/2021 23:59		1.5
AH78284	Final Effluent	6/28/2021 7:58	8.6	
AH78461	Final Effluent	6/28/2021 23:59		1.5
AH78561	Final Effluent	6/29/2021 7:57	10.9	
AH78760	Final Effluent	6/29/2021 23:59		1.3
AH78868	Final Effluent	6/30/2021 7:57	25.3	
AH79041	Final Effluent	6/30/2021 23:59		1
				JUN FECAL AVG
				88.3
AH79150	Final Effluent	7/1/2021 8:01	15.8	
AH79350	Final Effluent	7/1/2021 23:59		1.2
AH79472	Final Effluent	7/2/2021 7:52	8.6	
AH79646	Final Effluent	7/2/2021 23:59		1.1
AH79736	Final Effluent	7/3/2021 8:25	18.3	
AH79902	Final Effluent	7/3/2021 23:59		1.4
AH79992	Final Effluent	7/4/2021 8:44	23.3	
AH80151	Final Effluent	7/4/2021 23:59		1.5
AH80276	Final Effluent	7/5/2021 8:13	19.9	
AH80446	Final Effluent	7/5/2021 23:59		1.6
AH80551	Final Effluent	7/6/2021 8:10	166.4	
AH80736	Final Effluent	7/6/2021 23:59		1.5
AH80842	Final Effluent	7/7/2021 7:00	77.1	

AH81047	Final Effluent	7/7/2021 23:59		1.7
AH81154	Final Effluent	7/8/2021 7:56	40.8	
AH81339	Final Effluent	7/8/2021 23:59		1.1
AH81444	Final Effluent	7/9/2021 8:08	35.5	
AH81620	Final Effluent	7/9/2021 23:59		1
AH81709	Final Effluent	7/10/2021 8:02	23.1	
AH81881	Final Effluent	7/10/2021 23:59		1.2
AH81970	Final Effluent	7/11/2021 8:18	35.5	
AH82128	Final Effluent	7/11/2021 23:59		1.6
AH82249	Final Effluent	7/12/2021 7:53	36.4	
AH82429	Final Effluent	7/12/2021 23:59		1.5
AH82541	Final Effluent	7/13/2021 8:13	27.5	
AH82735	Final Effluent	7/13/2021 23:59		1.3
AH82843	Final Effluent	7/14/2021 8:11	55.7	
AH83025	Final Effluent	7/14/2021 23:59		1.5
AH83127	Final Effluent	7/15/2021 8:01	19.3	
AH83307	Final Effluent	7/15/2021 23:59		1.3
AH83412	Final Effluent	7/16/2021 8:07	18.3	
AH83612	Final Effluent	7/16/2021 23:59		2.2
AH83703	Final Effluent	7/17/2021 8:14	17.5	
AH83868	Final Effluent	7/17/2021 23:59		1.7
AH83960	Final Effluent	7/18/2021 8:13	1	
AH84130	Final Effluent	7/18/2021 23:59		1.1
AH84247	Final Effluent	7/19/2021 8:14	2	
AH84421	Final Effluent	7/19/2021 23:59		1.1
AH84528	Final Effluent	7/20/2021 8:00	6.3	
AH84713	Final Effluent	7/20/2021 23:59		1.2
AH84821	Final Effluent	7/21/2021 8:10	19.7	
AH85021	Final Effluent	7/21/2021 23:59		0.8
AH85130	Final Effluent	7/22/2021 8:02	17.1	
AH85321	Final Effluent	7/22/2021 23:59		1.2
AH85421	Final Effluent	7/23/2021 8:00	25.9	
AH85608	Final Effluent	7/23/2021 23:59		1.3
AH85705	Final Effluent	7/24/2021 8:39	22.8	
AH85877	Final Effluent	7/24/2021 23:59		1.7
AH85968	Final Effluent	7/25/2021 8:51	22.8	
AH86139	Final Effluent	7/25/2021 23:59		1.2
AH86254	Final Effluent	7/26/2021 8:13	22.6	
AH86430	Final Effluent	7/26/2021 23:59		1.4
AH86537	Final Effluent	7/27/2021 7:57	20.1	
AH86730	Final Effluent	7/27/2021 23:59		1.7
AH86840	Final Effluent	7/28/2021 8:02	21.6	
AH87016	Final Effluent	7/28/2021 23:59		2.7
AH87126	Final Effluent	7/29/2021 8:00	71.7	
AH87297	Final Effluent	7/29/2021 23:59		1.8
AH87405	Final Effluent	7/30/2021 7:58	23.8	
AH87573	Final Effluent	7/30/2021 23:59		1.2

AH87665	Final Effluent	7/31/2021 8:13	16		JUL FECAL AVG
AH87831	Final Effluent	7/31/2021 23:59		1.6	30.1
AH87923	Final Effluent	8/1/2021 8:04	18.9		
AH88104	Final Effluent	8/1/2021 23:59		1.9	
AH88203	Final Effluent	8/2/2021 8:00	32.3		
AH88440	Final Effluent	8/2/2021 23:59		1.4	
AH88552	Final Effluent	8/3/2021 8:00	38.8		
AH88738	Final Effluent	8/3/2021 23:59		1.3	
AH88849	Final Effluent	8/4/2021 8:06	156.5		
AH89041	Final Effluent	8/4/2021 23:59		2	
AH89158	Final Effluent	8/5/2021 8:17	307.6		
AH89335	Final Effluent	8/5/2021 23:59		1.7	
AH89440	Final Effluent	8/6/2021 8:03	461.1		
AH89621	Final Effluent	8/6/2021 23:59		1.9	
AH89713	Final Effluent	8/7/2021 8:30	71.7		
AH89879	Final Effluent	8/7/2021 23:59		2.5	
AH89971	Final Effluent	8/8/2021 7:56	90.6		
AH90141	Final Effluent	8/8/2021 23:59		1.7	
AH90241	Final Effluent	8/9/2021 8:02	70.3		
AH90429	Final Effluent	8/9/2021 23:59		1.7	
AH90534	Final Effluent	8/10/2021 8:01	93.2		
AH90723	Final Effluent	8/10/2021 23:59		0.9	
AH90837	Final Effluent	8/11/2021 8:00	113.7		
AH91013	Final Effluent	8/11/2021 23:59		1	
AH91124	Final Effluent	8/12/2021 8:12	149.7		
AH91310	Final Effluent	8/12/2021 23:59		1.4	
AH91414	Final Effluent	8/13/2021 7:57	81.6		
AH91595	Final Effluent	8/13/2021 23:59		1.1	
AH91688	Final Effluent	8/14/2021 8:04	45		
AH91857	Final Effluent	8/14/2021 23:59		4.3	
AH91949	Final Effluent	8/15/2021 8:02	70.3		
AH92119	Final Effluent	8/15/2021 23:59		1.3	
AH92233	Final Effluent	8/16/2021 8:00	77.1		
AH92407	Final Effluent	8/16/2021 23:59		1.7	
AH92517	Final Effluent	8/17/2021 8:04	116.9		
AH92729	Final Effluent	8/17/2021 23:59		1.6	
AH92840	Final Effluent	8/18/2021 7:59	123.4		
AH93036	Final Effluent	8/18/2021 23:59		1.4	
AH93145	Final Effluent	8/19/2021 7:53	120.1		
AH93312	Final Effluent	8/19/2021 23:59		1.6	
AH93413	Final Effluent	8/20/2021 8:04	67		
AH93592	Final Effluent	8/20/2021 23:59		1.8	
AH93681	Final Effluent	8/21/2021 8:26	172.3		
AH93853	Final Effluent	8/21/2021 23:59		1.7	
AH93942	Final Effluent	8/22/2021 8:09	65		
AH94114	Final Effluent	8/22/2021 23:59		1.3	
AH94227	Final Effluent	8/23/2021 7:58	101.2		

AH94420	Final Effluent	8/23/2021 23:59		1.2
AH94542	Final Effluent	8/24/2021 7:57	93.2	
AH94734	Final Effluent	8/24/2021 23:59		1
AH94845	Final Effluent	8/25/2021 8:06	108.6	
AH95020	Final Effluent	8/25/2021 23:59		1
AH95128	Final Effluent	8/26/2021 8:05	88.6	
AH95320	Final Effluent	8/26/2021 23:59		1.3
AH95425	Final Effluent	8/27/2021 8:05	108.6	
AH95592	Final Effluent	8/27/2021 23:59		1.1
AH95684	Final Effluent	8/28/2021 8:35	90.9	
AH95849	Final Effluent	8/28/2021 23:59		1.9
AH95941	Final Effluent	8/29/2021 8:28	80.9	
AH96111	Final Effluent	8/29/2021 23:59		1.9
AH96227	Final Effluent	8/30/2021 7:57	178.9	
AH96410	Final Effluent	8/30/2021 23:59		1.2
AH96507	Final Effluent	8/31/2021 8:01	44.1	
AH96693	Final Effluent	8/31/2021 23:59		2
AH96818	Final Effluent	9/1/2021 8:02	57.6	
AH97013	Final Effluent	9/1/2021 23:59		1.8
AH97125	Final Effluent	9/2/2021 7:54	75.4	
AH97345	Final Effluent	9/2/2021 23:59		1.4
AH97440	Final Effluent	9/3/2021 8:02	58.3	
AH97632	Final Effluent	9/3/2021 23:59		0.9
AH97724	Final Effluent	9/4/2021 8:00	22.6	
AH97889	Final Effluent	9/4/2021 23:59		1.4
AH97981	Final Effluent	9/5/2021 8:07	33.6	
AH98138	Final Effluent	9/5/2021 23:59		1.6
AH98267	Final Effluent	9/6/2021 7:54	62	
AH98432	Final Effluent	9/6/2021 23:59		1.6
AH98542	Final Effluent	9/7/2021 8:16	53	
AH98730	Final Effluent	9/7/2021 23:59		3.6
AH98841	Final Effluent	9/8/2021 8:05	62	
AH99046	Final Effluent	9/8/2021 23:59		2.7
AH99158	Final Effluent	9/9/2021 8:21	32.7	
AH99340	Final Effluent	9/9/2021 23:59		10.9
AH99447	Final Effluent	9/10/2021 8:09	39.3	
AH99620	Final Effluent	9/10/2021 23:59		1.6
AH99711	Final Effluent	9/11/2021 8:35	20.3	
AH99877	Final Effluent	9/11/2021 23:59		1.9
AH99969	Final Effluent	9/12/2021 8:45	37.7	
AI00139	Final Effluent	9/12/2021 23:59		1.4
AI00255	Final Effluent	9/13/2021 7:56	22.8	
AI00429	Final Effluent	9/13/2021 23:59		2.2
AI00534	Final Effluent	9/14/2021 7:55	17.3	
AI00717	Final Effluent	9/14/2021 23:59		1.8
AI00831	Final Effluent	9/15/2021 7:55	49.6	
AI01013	Final Effluent	9/15/2021 23:59		1.6
				AUG FECAL AVG
				110.9

AI01125	Final Effluent	9/16/2021 7:42	27.2	
AI01313	Final Effluent	9/16/2021 23:59		1.5
AI01425	Final Effluent	9/17/2021 8:13	32.3	
AI01596	Final Effluent	9/17/2021 23:59		1.9
AI01688	Final Effluent	9/18/2021 11:28	42.6	
AI01853	Final Effluent	9/18/2021 23:59		2.1
AI01943	Final Effluent	9/19/2021 8:28	51.2	
AI02110	Final Effluent	9/19/2021 23:59		1.5
AI02239	Final Effluent	9/20/2021 8:06	49.6	
AI02411	Final Effluent	9/20/2021 23:59		2.6
AI02522	Final Effluent	9/21/2021 7:58	116.2	
AI02725	Final Effluent	9/21/2021 23:59		1.5
AI02831	Final Effluent	9/22/2021 8:07	201.4	
AI03019	Final Effluent	9/22/2021 23:59		1.9
AI03131	Final Effluent	9/23/2021 8:33	57.6	
AI03335	Final Effluent	9/23/2021 23:59		2.2
AI03440	Final Effluent	9/24/2021 8:04	41.4	
AI03622	Final Effluent	9/24/2021 23:59		1.2
AI03712	Final Effluent	9/25/2021 8:02	23.3	
AI03878	Final Effluent	9/25/2021 23:59		1.2
AI03970	Final Effluent	9/26/2021 8:15	24.3	
AI04140	Final Effluent	9/26/2021 23:59		1.5
AI04256	Final Effluent	9/27/2021 8:08	49.5	
AI04430	Final Effluent	9/27/2021 23:59		1.5
AI04541	Final Effluent	9/28/2021 7:57	24.6	
AI04722	Final Effluent	9/28/2021 23:59		1
AI04836	Final Effluent	9/29/2021 8:15	54.8	
AI05027	Final Effluent	9/29/2021 23:59		1.4
AI05139	Final Effluent	9/30/2021 7:58	55.6	SEP FECAL AVG
AI05307	Final Effluent	9/30/2021 23:59		1.1
				49.9
AI05423	Final Effluent	10/1/2021 8:01	16	
AI05611	Final Effluent	10/1/2021 23:59		0.4
AI05710	Final Effluent	10/2/2021 8:33	9.7	
AI05876	Final Effluent	10/2/2021 23:59		1.5
AI05969	Final Effluent	10/3/2021 8:06	27.9	
AI06138	Final Effluent	10/3/2021 23:59		1.1
AI06254	Final Effluent	10/4/2021 8:01	30.1	
AI06455	Final Effluent	10/4/2021 23:59		1.1
AI06577	Final Effluent	10/5/2021 8:30	34.5	
AI06779	Final Effluent	10/5/2021 23:59		1
AI06903	Final Effluent	10/6/2021 8:29	25.6	
AI07095	Final Effluent	10/6/2021 23:59		1.1
AI07211	Final Effluent	10/7/2021 8:13	17.3	
AI07417	Final Effluent	10/7/2021 23:59		1.3
AI07532	Final Effluent	10/8/2021 8:09	22.3	
AI07725	Final Effluent	10/8/2021 23:59		1.5
AI07827	Final Effluent	10/9/2021 8:48	24.5	

AI08015	Final Effluent	10/9/2021 23:59		1.6
AI08118	Final Effluent	10/10/2021 7:57	10.9	
AI08308	Final Effluent	10/10/2021 23:59		0.8
AI08435	Final Effluent	10/11/2021 8:07	10.9	
AI08622	Final Effluent	10/11/2021 23:59		1.7
AI08744	Final Effluent	10/12/2021 7:55	29.5	
AI08941	Final Effluent	10/12/2021 23:59		1.8
AI09066	Final Effluent	10/13/2021 8:16	31.3	
AI09268	Final Effluent	10/13/2021 23:59		2
AI09391	Final Effluent	10/14/2021 7:58	32.3	
AI09582	Final Effluent	10/14/2021 23:59		1.6
AI09698	Final Effluent	10/15/2021 8:13	54.6	
AI09893	Final Effluent	10/15/2021 23:59		1.1
AI09989	Final Effluent	10/16/2021 8:05	35.5	
AI10171	Final Effluent	10/16/2021 23:59		3.5
AI10268	Final Effluent	10/17/2021 8:05	45.7	
AI10449	Final Effluent	10/17/2021 23:59		0.8
AI10570	Final Effluent	10/18/2021 8:05	35	
AI10744	Final Effluent	10/18/2021 23:59		1.6
AI10853	Final Effluent	10/19/2021 8:00	54.6	
AI11041	Final Effluent	10/19/2021 23:59		0.8
AI11157	Final Effluent	10/20/2021 8:05	79.4	
AI11347	Final Effluent	10/20/2021 23:59		0.4
AI11460	Final Effluent	10/21/2021 8:10	95.9	
AI11643	Final Effluent	10/21/2021 23:59		0.3
AI11750	Final Effluent	10/22/2021 8:14	74.9	
AI11954	Final Effluent	10/22/2021 23:59		1.2
AI12051	Final Effluent	10/23/2021 8:10	63.1	
AI12224	Final Effluent	10/23/2021 23:59		1
AI12320	Final Effluent	10/24/2021 7:49	71.2	
AI12499	Final Effluent	10/24/2021 23:59		0.6
AI12620	Final Effluent	10/25/2021 8:15	79.4	
AI12800	Final Effluent	10/25/2021 23:59		1
AI12916	Final Effluent	10/26/2021 7:56	14.8	
AI13107	Final Effluent	10/26/2021 23:59		1.1
AI13226	Final Effluent	10/27/2021 8:08	18.9	
AI13414	Final Effluent	10/27/2021 23:59		0.9
AI13530	Final Effluent	10/28/2021 8:00	25.6	
AI13711	Final Effluent	10/28/2021 23:59		1
AI13816	Final Effluent	10/29/2021 7:58	37.3	
AI14023	Final Effluent	10/29/2021 23:59		1.2
AI14117	Final Effluent	10/30/2021 8:15	85.7	
AI14291	Final Effluent	10/30/2021 23:59		1.2
AI14385	Final Effluent	10/31/2021 8:18	45.7	
AI14564	Final Effluent	10/31/2021 23:59		2.8
AI14682	Final Effluent	11/1/2021 8:15	30.9	
AI14885	Final Effluent	11/1/2021 23:59		0.7
				OCT FECAL AVG
				40.0

AI14984	Final Effluent	11/2/2021 8:28	86	
AI15188	Final Effluent	11/2/2021 23:59		1.3
AI15304	Final Effluent	11/3/2021 8:02	54.6	
AI15496	Final Effluent	11/3/2021 23:59		1.2
AI15612	Final Effluent	11/4/2021 8:02	83.6	
AI15789	Final Effluent	11/4/2021 23:59		1.3
AI15895	Final Effluent	11/5/2021 7:52	42	
AI16079	Final Effluent	11/5/2021 23:59		1.4
AI16173	Final Effluent	11/6/2021 8:06	77.6	
AI16346	Final Effluent	11/6/2021 23:59		1.3
AI16440	Final Effluent	11/7/2021 7:49	46.4	
AI16613	Final Effluent	11/7/2021 23:59		1.2
AI16740	Final Effluent	11/8/2021 8:09	30.5	
AI16916	Final Effluent	11/8/2021 23:59		1.8
AI17032	Final Effluent	11/9/2021 8:06	30.5	
AI17212	Final Effluent	11/9/2021 23:59		1.3
AI17331	Final Effluent	11/10/2021 8:11	41	
AI17546	Final Effluent	11/10/2021 23:59		2
AI17662	Final Effluent	11/11/2021 8:08	45	
AI17835	Final Effluent	11/11/2021 23:59		1.9
AI17945	Final Effluent	11/12/2021 7:58	33.6	
AI18126	Final Effluent	11/12/2021 23:59		1.5
AI18226	Final Effluent	11/13/2021 9:05	39.9	
AI18399	Final Effluent	11/13/2021 23:59		1.3
AI18497	Final Effluent	11/14/2021 8:03	35.9	
AI18670	Final Effluent	11/14/2021 23:59		0.8
AI18792	Final Effluent	11/15/2021 8:11	42	
AI18976	Final Effluent	11/15/2021 23:59		1.3
AI19092	Final Effluent	11/16/2021 8:12	33.6	
AI19277	Final Effluent	11/16/2021 23:59		1.2
AI19394	Final Effluent	11/17/2021 7:55	51.2	
AI19571	Final Effluent	11/17/2021 23:59		1.5
AI19685	Final Effluent	11/18/2021 7:57	29.2	
AI19864	Final Effluent	11/18/2021 23:59		1.4
AI19973	Final Effluent	11/19/2021 7:54	38.4	
AI20166	Final Effluent	11/19/2021 23:59		1.1
AI20261	Final Effluent	11/20/2021 8:39	35.9	
AI20434	Final Effluent	11/20/2021 23:59		1.1
AI20528	Final Effluent	11/21/2021 8:39	12.2	
AI20708	Final Effluent	11/21/2021 23:59		1.8
AI20830	Final Effluent	11/22/2021 8:02	248.1	
AI21020	Final Effluent	11/22/2021 23:59		3.3
AI21136	Final Effluent	11/23/2021 8:07	24.3	
AI21320	Final Effluent	11/23/2021 23:59		1.4
AI21437	Final Effluent	11/24/2021 7:50	21.8	
AI21636	Final Effluent	11/24/2021 23:59		1.1
AI21736	Final Effluent	11/25/2021 8:12	25.9	

AI21923	Final Effluent	11/25/2021 23:59		0.4	
AI22031	Final Effluent	11/26/2021 8:11	6.3		
AI22204	Final Effluent	11/26/2021 23:59		1.2	
AI22299	Final Effluent	11/27/2021 8:07	14.5		
AI22473	Final Effluent	11/27/2021 23:59		1.4	
AI22568	Final Effluent	11/28/2021 8:22	24.3		
AI22741	Final Effluent	11/28/2021 23:59		1.5	
AI22860	Final Effluent	11/29/2021 8:16	14.5		
AI23057	Final Effluent	11/29/2021 23:59		2	
AI23171	Final Effluent	11/30/2021 8:03	28.8		NOV FECAL AVG
AI23369	Final Effluent	11/30/2021 23:59		1.2	44.3
AI23486	Final Effluent	12/1/2021 8:04	21.8		
AI23689	Final Effluent	12/1/2021 23:59		5.7	
AI23806	Final Effluent	12/2/2021 8:14	17.3		
AI23995	Final Effluent	12/2/2021 23:59		1.6	
AI24108	Final Effluent	12/3/2021 7:55	6.3		
AI24292	Final Effluent	12/3/2021 23:59		1.9	
AI24387	Final Effluent	12/4/2021 8:04	6.2		
AI24562	Final Effluent	12/4/2021 23:59		1.4	
AI24657	Final Effluent	12/5/2021 7:47	12.1		
AI24822	Final Effluent	12/5/2021 23:59		1.5	
AI24949	Final Effluent	12/6/2021 7:55	18.9		
AI25145	Final Effluent	12/6/2021 23:59		2.5	
AI25262	Final Effluent	12/7/2021 8:02	34.1		
AI25451	Final Effluent	12/7/2021 23:59		1.4	
AI25552	Final Effluent	12/8/2021 7:55	67.7		
AI25753	Final Effluent	12/8/2021 23:59		0.5	
AI25868	Final Effluent	12/9/2021 8:00	34.1		
AI25926	Final Effluent	12/8/2021 10:28		0.8	
AI26046	Final Effluent	12/9/2021 23:59		1.8	
AI26153	Final Effluent	12/10/2021 7:47	53.7		
AI26328	Final Effluent	12/10/2021 23:59		1.8	
AI26419	Final Effluent	12/11/2021 8:55	235.9		
AI26585	Final Effluent	12/11/2021 23:59		2.3	
AI26676	Final Effluent	12/12/2021 9:05	18.3		
AI26841	Final Effluent	12/12/2021 23:59		1.9	
AI26956	Final Effluent	12/13/2021 8:14	12.2		
AI27132	Final Effluent	12/13/2021 23:59		1.7	
AI27242	Final Effluent	12/14/2021 7:55	15.8		
AI27437	Final Effluent	12/14/2021 23:59		1.4	
AI27550	Final Effluent	12/15/2021 8:14	25.9		
AI27721	Final Effluent	12/15/2021 23:59		1.9	
AI27834	Final Effluent	12/16/2021 8:01	28.5		
AI28007	Final Effluent	12/16/2021 23:59		1.5	
AI28111	Final Effluent	12/17/2021 8:08	21.3		
AI28279	Final Effluent	12/17/2021 23:59		1.5	
AI28370	Final Effluent	12/18/2021 9:12	11.9		

AI28535	Final Effluent	12/18/2021 23:59		1.4	
AI28626	Final Effluent	12/19/2021 9:05	7.4		
AI28798	Final Effluent	12/19/2021 23:59		1.5	
AI28909	Final Effluent	12/20/2021 8:11	18.7		
AI29096	Final Effluent	12/20/2021 23:59		1.6	
AI29207	Final Effluent	12/21/2021 8:05	7.5		
AI29397	Final Effluent	12/21/2021 23:59		1.5	
AI29510	Final Effluent	12/22/2021 8:07	12.1		
AI29680	Final Effluent	12/22/2021 23:59		1.3	
AI29790	Final Effluent	12/23/2021 8:00	3.1		
AI29955	Final Effluent	12/23/2021 23:59		1.2	
AI30059	Final Effluent	12/24/2021 8:12	2		
AI30224	Final Effluent	12/24/2021 23:59		1.9	
AI30315	Final Effluent	12/25/2021 8:17	9.8		
AI30481	Final Effluent	12/25/2021 23:59		1.5	
AI30571	Final Effluent	12/26/2021 8:22	5.2		
AI30737	Final Effluent	12/26/2021 23:59		1.6	
AI30852	Final Effluent	12/27/2021 7:58	4.1		
AI31038	Final Effluent	12/27/2021 23:59		1.8	
AI31148	Final Effluent	12/28/2021 8:28	8.4		
AI31339	Final Effluent	12/28/2021 23:59		1.8	
AI31455	Final Effluent	12/29/2021 8:10	17.5		
AI31655	Final Effluent	12/29/2021 23:59		1.6	
AI31768	Final Effluent	12/30/2021 8:05	20.9		
AI31933	Final Effluent	12/30/2021 23:59		2.1	
AI32040	Final Effluent	12/31/2021 8:04	20.3		DEC FECAL AVG
AI32205	Final Effluent	12/31/2021 23:59		1.5	25.1

JAN TSS AVG	JAN UVT AVG
1.6	87

FEB TSS AVG	FEB UVT AVG
2.0	90

MAR TSS AVG	MAR UVT AVG
1.3	91

APR TSS AVG	APR UVT AVG
3.7	92

MAY TSS AVG	MAY UVT AVG
1.9	77

JUN TSS AVG	JUN UVT AVG
1.8	80

JUL TSS AVG	JUL UVT AVG
1.4	82

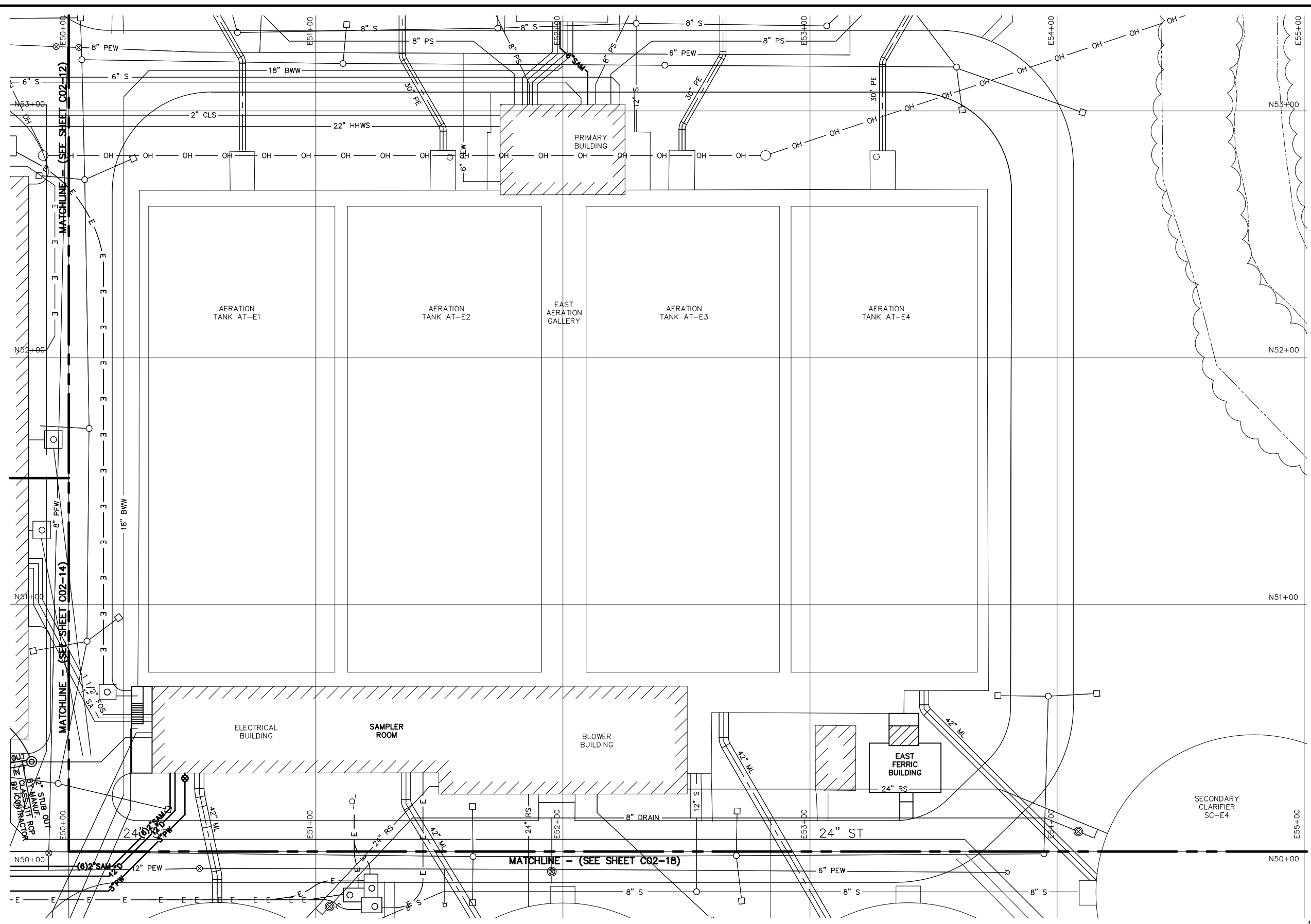
AUG TSS AVG	AUG UVT AVG
1.6	79

SEP TSS AVG	SEP UVT AVG
2.0	80

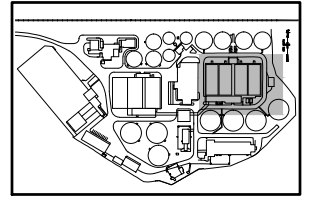
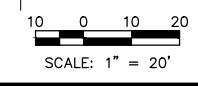
OCT TSS AVG	OCT UVT AVG
1.3	84

NOV TSS AVG	NOV UVT AVG
1.4	84

DEC TSS AVG	DEC UVT AVG
1.7	85



NOTE:
SEE SHEET C02-13 FOR
DRAINAGE STRUCTURE TABLE.



KEY PLAN



CONFORMED SET
JULY 2012

NO.		BY	DATE	REVISIONS	REMARKS

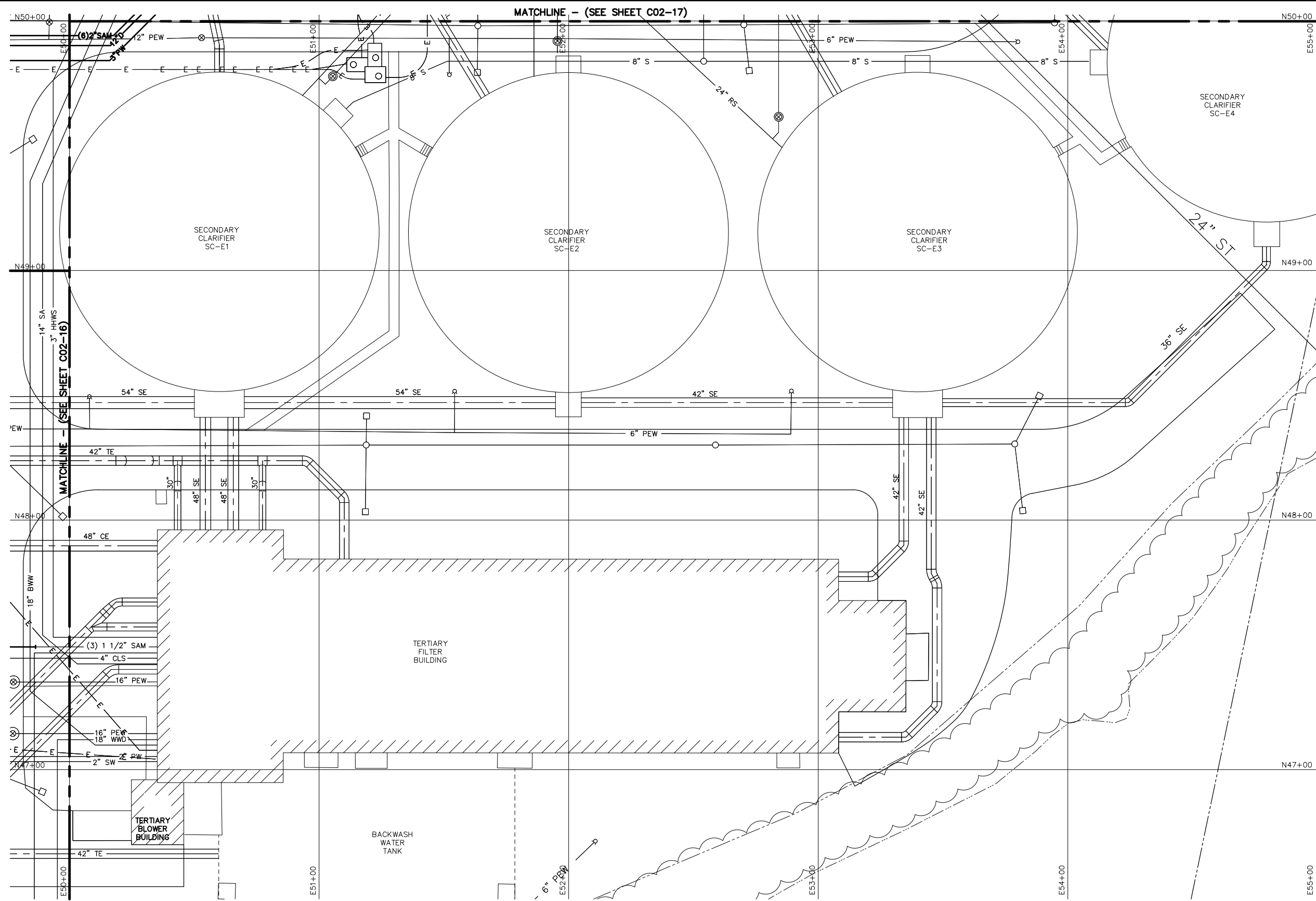
DES MAP
DWN DRA
CKD TFL

CITY OF ANN ARBOR, MICHIGAN
**ANN ARBOR WASTEWATER TREATMENT
PLANT FACILITIES RENOVATIONS**

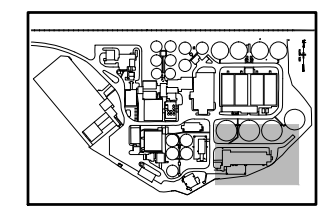
CIVIL
**SITE PIPING
PARTIAL PLAN**
1" = 20'-0"

ISSUED STATUS:	BID SET
DATE:	NOVEMBER 2011
SHEET:	C02-17
CAD REF. NO.	3185004_072

User: Avanzini Spec: PIRNIE STANDARD File: I:\ACAD\3185004 - Ann Arbor Facilities Renovations\Civil\3185004_072.DWG Scale: 1:1 Date: 11/04/2011 Time: 10:36 Layout: C02-17



NOTE:
SEE SHEET C02-13 FOR
DRAINAGE STRUCTURE TABLE.



KEY PLAN



CONFORMED SET
JULY 2012

REVISIONS			
NO.	BY	DATE	REMARKS

DES MAP
DWN DRA
CKD TFL

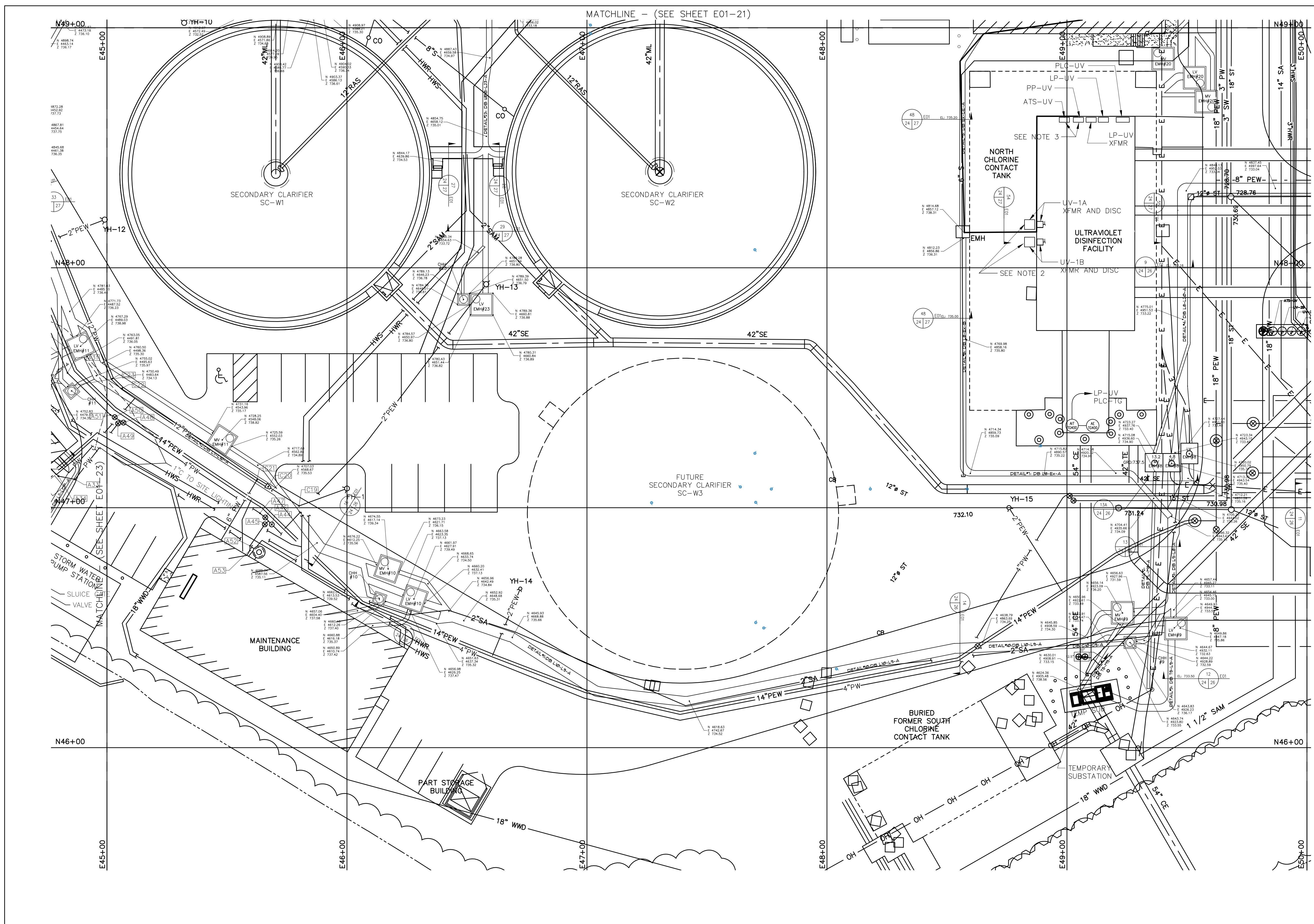
CITY OF ANN ARBOR, MICHIGAN
**ANN ARBOR WASTEWATER TREATMENT
PLANT FACILITIES RENOVATIONS**

CIVIL
**SITE PIPING
PARTIAL PLAN**
1" = 20'-0"

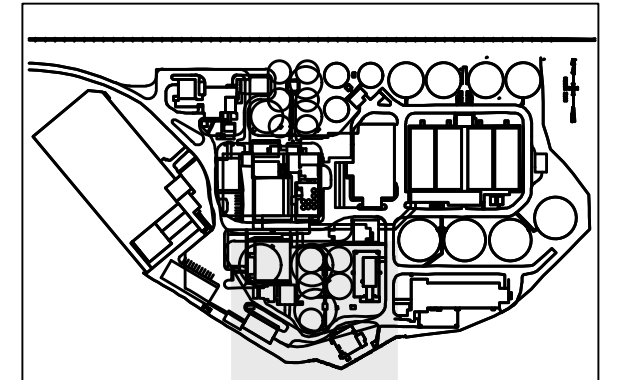
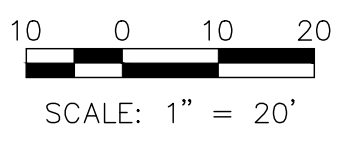
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DATE	NOVEMBER 2011
SHEET	C02-18
CAD REF. NO.	3185004_073

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- NOTES:
- GENERAL NOTES, SEE SHEET E01-17
 - ISOLATION TRANSFORMERS AND SECONDARY BREAKERS RELOCATED FROM FAB SHOP FOR UV-1A AND UV-1B. PLACE TRANSFORMERS ON CONCRETE PAD AT LOCATION SHOWN (JUST OUTSIDE OF UV DISINFECTION FACILITY). REMOVE EXISTING DISCONNECT SWITCHES ON UV DISINFECTION FACILITY AND REPLACE WITH RELOCATED SECONDARY BREAKERS FROM FAB SHOP.
 - PROVIDE NEW NAMEPLATE SHOWING UPDATED POWER SOURCE (MCC-C&B AND MCC-P).



KEY PLAN

AS BUILT DRAWING

This drawing reflects changes from the original contract drawing that were made during construction and have been prepared from information obtained by the Engineer. The Engineer does not warrant this drawing to be complete and accurate in all respects.

ARCADIS U.S., INC.
 Date: 11/08/2018 By: Thomas G. Porter



SIGNED
 SET ON FILE

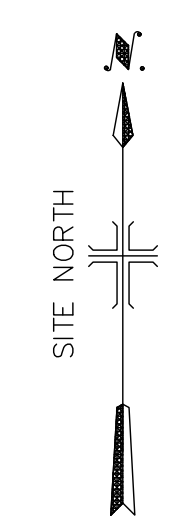
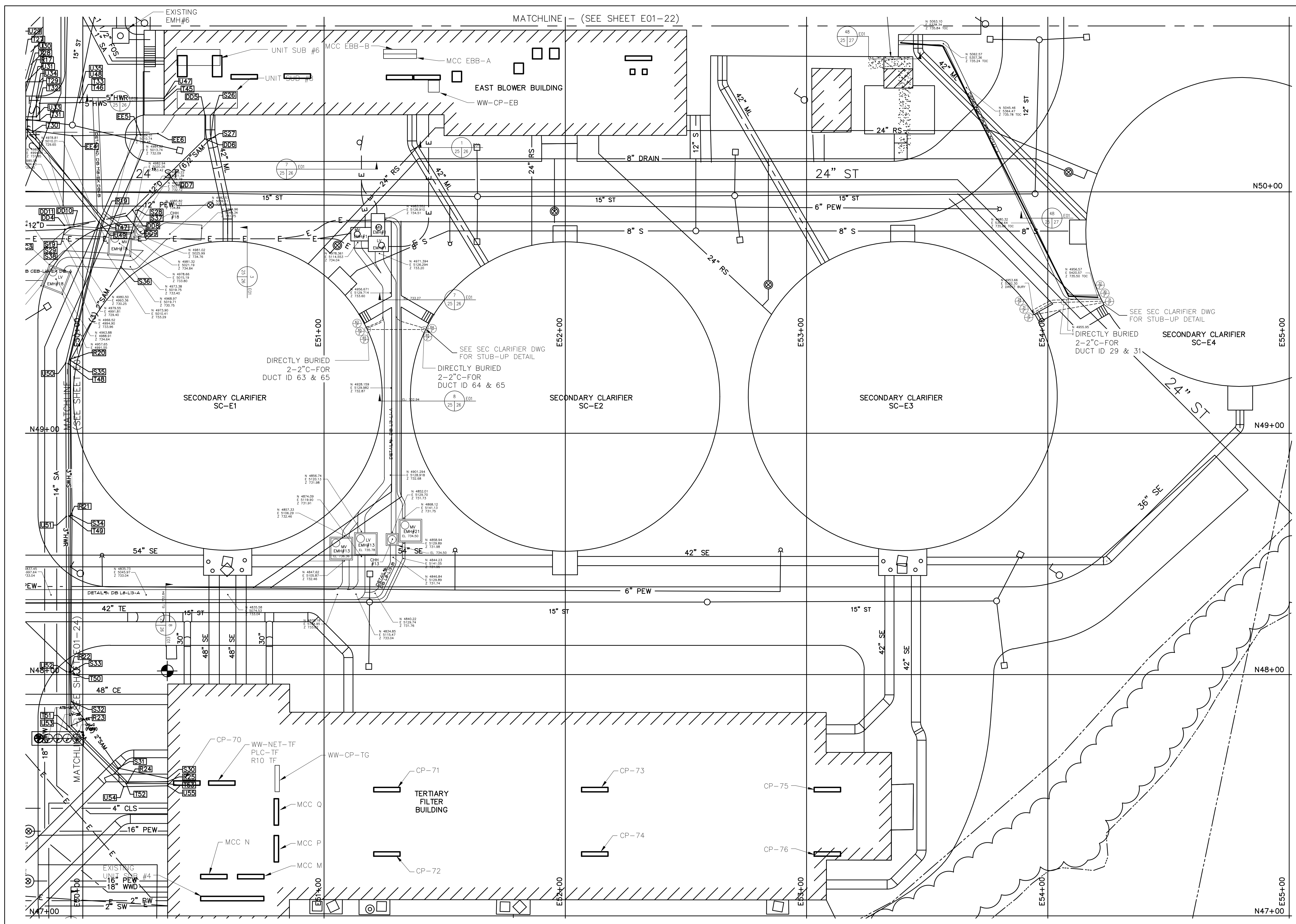
REVISIONS		DES	DVC/JRS
NO.	BY	DATE	REMARKS

CITY OF ANN ARBOR, MICHIGAN
**ANN ARBOR WASTEWATER TREATMENT
 PLANT FACILITIES RENOVATIONS**

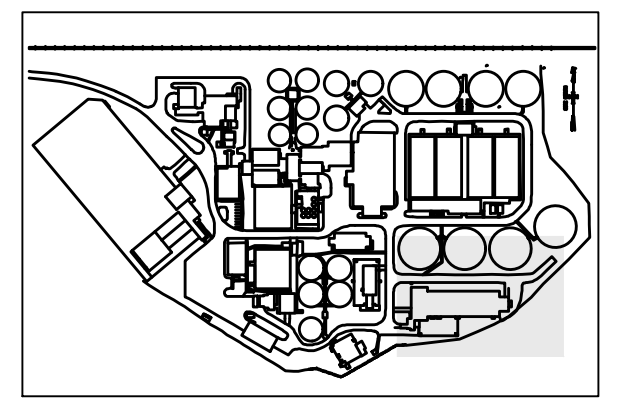
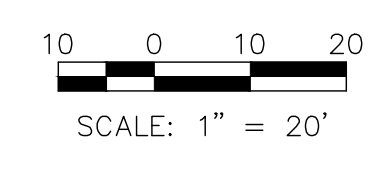
**ELECTRICAL
 SITE PLAN
 SHEET 7**
 1" = 20'-0"

ISSUED STATUS:	AS BUILT DWG.
DATE:	JUNE 2017
SHEET:	E01-24
CAD REF. NO.:	E01-24-AB

XREFS: \\...-utilities-ft.dwg; \\...-ELECTRICAL-SITEPLAN.dwg; \\...-UTILITIES.dwg; None IMAGES: None
 User: Avancini Spec: PIRNE STANDARD File: \\..._3185013 - Ann Arbor Facilities Renovation - Construction\Elec_3185004_709.DWG Scale: 1:1 Date: 08/01/2012 Time: 12:42 Layout: E01-25



NOTES:
 1. GENERAL NOTES, SEE SHEET E01-17



KEY PLAN

AS BUILT DRAWING

This drawing reflects changes from the original contract drawing that were made during construction and have been prepared from information obtained by the Engineer. The Engineer does not warrant this drawing to be complete and accurate in all respects.

ARCADIS U.S., INC.
 Date: *11/08/2018* By: *Thomas G. Porter*



SIGNED
 SET ON FILE

NO.	BY	DATE	REVISIONS	REMARKS

CITY OF ANN ARBOR, MICHIGAN
ANN ARBOR WASTEWATER TREATMENT PLANT FACILITIES RENOVATIONS

ELECTRICAL
 SITE PLAN
 SHEET 8
 1" = 20'-0"

ISSUED STATUS:	AS BUILT DWG.
DATE:	JUNE 2017
SHEET:	E01-25
CAD REF. NO.:	E01-25-AB

4" SPARE
(TYP FOR ALL UNIDENTIFIED
CONDUITS)

SECTION $\frac{1}{19 \ 26}$ E01

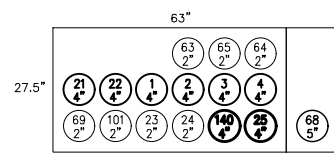
SECTION $\frac{2}{25 \ 26}$ E01

SECTION $\frac{3}{25 \ 26}$ E01

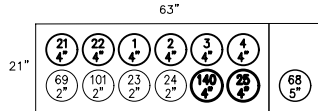
SECTION $\frac{4}{25 \ 26}$ E01

SECTION $\frac{5}{21 \ 26}$ E01

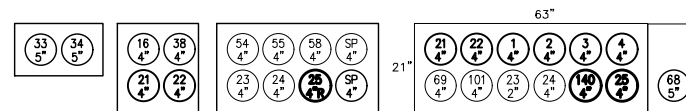
SECTION $\frac{6}{21 \ 26}$ E01



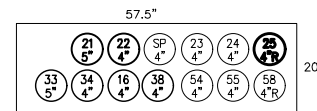
SECTION $\frac{7}{25 \ 26}$ E01



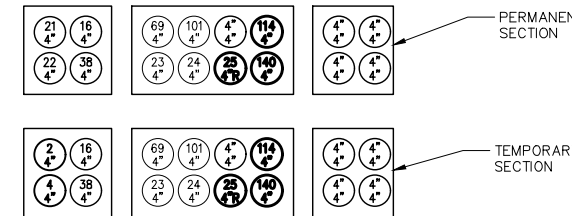
SECTION $\frac{8}{25 \ 26}$ E01



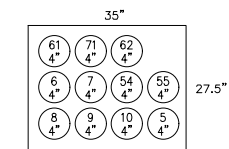
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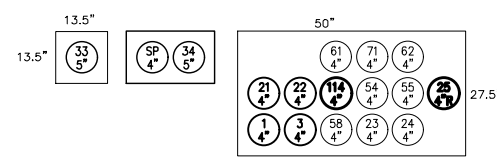
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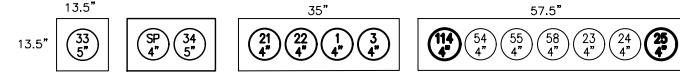
SECTION $\frac{11}{24 \ 26}$ E01



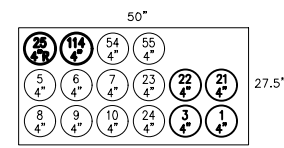
SECTION $\frac{12}{24 \ 26}$ E01



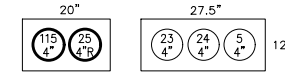
SECTION $\frac{13}{24 \ 26}$ E01



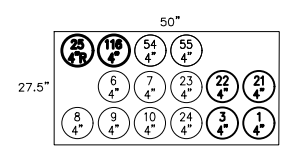
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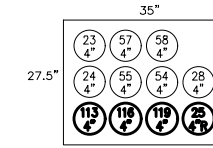
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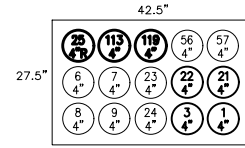
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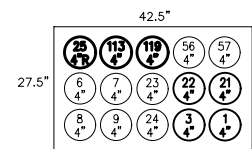
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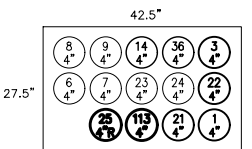
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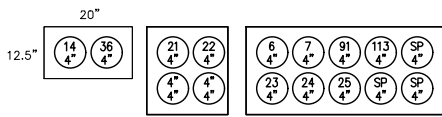
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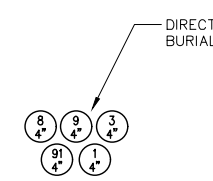
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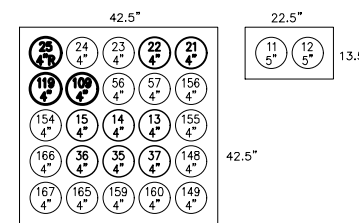
SECTION $\frac{19}{20 \ 26}$ E01



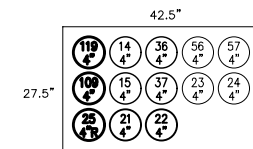
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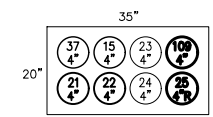
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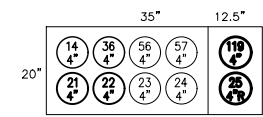
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SECTION $\frac{23}{21 \ 26}$ E01



SECTION $\frac{24}{21 \ 26}$ E01



SECTION $\frac{25}{20 \ 26}$ E01

AS BUILT DRAWING
This drawing reflects changes from the original contract drawing that were made during construction and have been prepared from information obtained by the Engineer. The Engineer does not warrant this drawing to be complete and accurate in all respects.
ARCADIS U.S., INC.
Date 11/08/2018 By Thomas G. Ferber

NO.	BY	DATE	REVISIONS	REMARKS

DES MK
DWN MEM
CKD GPM

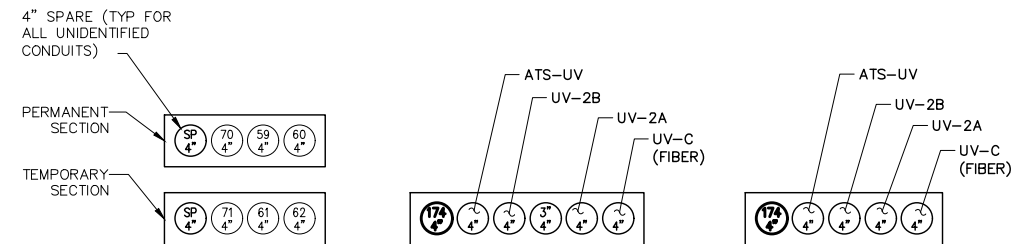
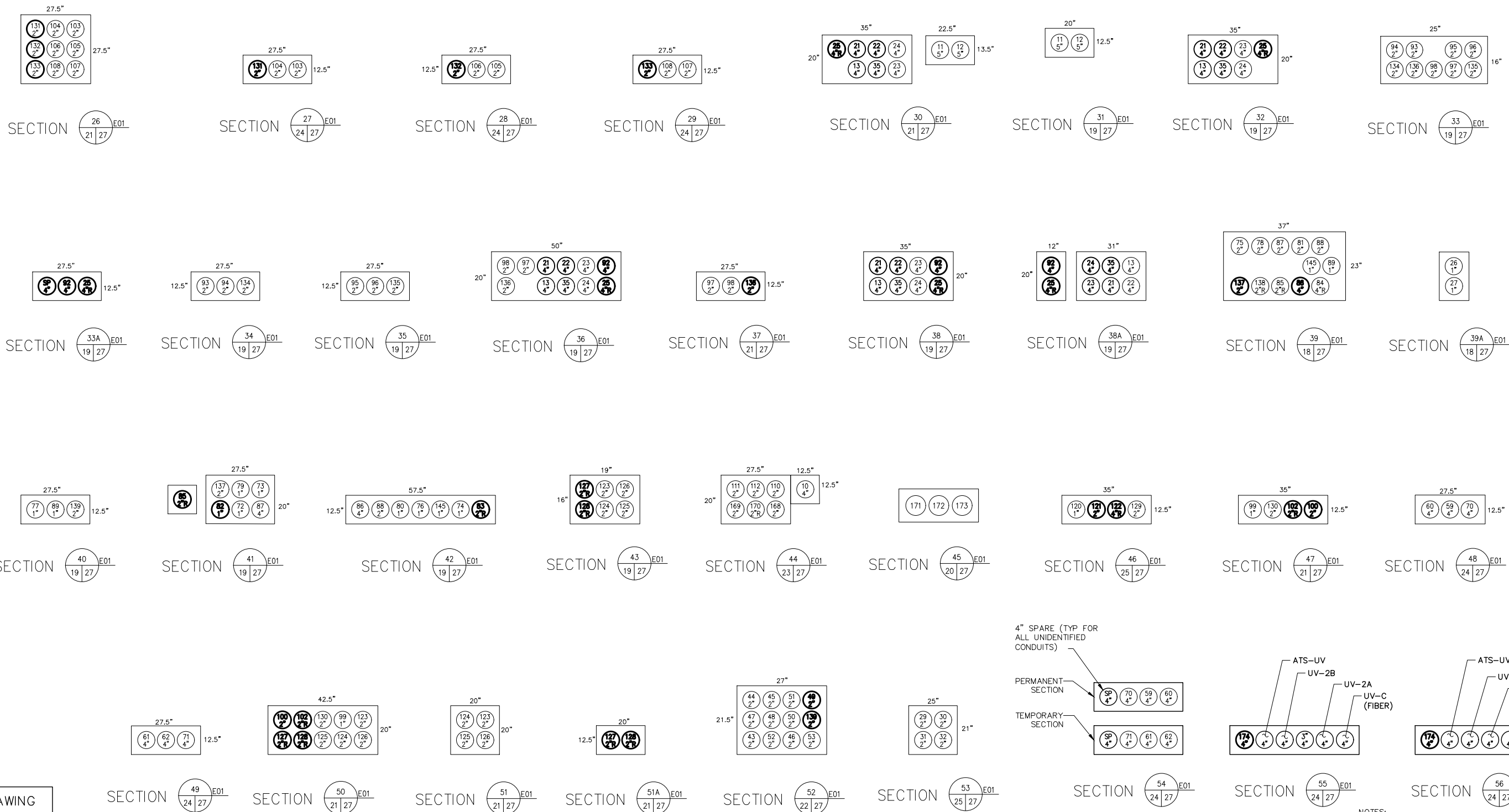
CITY OF ANN ARBOR, MICHIGAN
ANN ARBOR WASTEWATER TREATMENT PLANT FACILITIES RENOVATIONS

ELECTRICAL
DUCT BANK SECTIONS SHEET 1

ISSUED STATUS: AS BUILT DWG.
DATE JUNE 2017
SHEET E01-26
CAD REF. NO. E01-26-AB

- NOTES:
- CONDUIT ARRANGEMENT SHOWN ARE TYPICAL. DUCT BANK LAYOUT MAY REQUIRE ALTERATIONS.
 - TERMINATE DUCT BANK GROUNDING CONDUCTOR ON EQUIPMENT GROUND BAR OR STRUCTURAL REBAR WHERE NO EQUIPMENT GROUND BAR IS PRESENT.
 - SEE SHEETS E01-29 AND E01-30 FOR DUCT BANK DUCT IDENTIFICATION.

User: Kasyuhono Spec: PRIME STANDARD File: T:\3185004\CADD\Elec\3185004_1018.DWG Scale: 1:1 Date: 11/08/2010 Time: 10:38 Layout: E01-27



- NOTES:
1. CONDUIT ARRANGEMENT SHOWN ARE TYPICAL. DUCT BANK LAYOUT MAY REQUIRE ALTERATIONS.
 2. TERMINATE DUCT BANK GROUNDING CONDUCTOR ON EQUIPMENT GROUND BAR OR STRUCTURAL REBAR WHERE NO EQUIPMENT GROUND BAR IS PRESENT.
 3. SEE SHEETS E01-29 AND E01-30 FOR DUCT BANK DUCT IDENTIFICATION.

AS BUILT DRAWING

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ARCADIS U.S., INC.

Date: 11/08/2010 By: Thomas G. Ferber

REVISIONS			
NO.	BY	DATE	REMARKS

DES: MK
 DWN: MEM
 CKD: GPM

CITY OF ANN ARBOR, MICHIGAN
 ANN ARBOR WASTEWATER TREATMENT
 PLANT FACILITIES RENOVATIONS

ELECTRICAL
 DUCT BANK SECTIONS
 SHEET 2

ISSUED STATUS: AS BUILT DWG.

DATE: JUNE 2017

SHEET: E01-27

CAD REF. NO. E01-27-AB