

CONSTRUCTION CERTIFICATION REPORT

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**CHERRY FARM SITE (NYSDEC SITE NO. 9-15-063)**  
**RIVER ROAD SITE (NYSDEC SITE NO. 9-15-031)**  
**TONAWANDA, NEW YORK**

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SUBMITTED TO:

**RECEIVED**

OCT 01 1999



N.Y.S. DEPT. OF  
ENVIRONMENTAL CONSERVATION  
DIV. ENVIRONMENTAL ENFORCEMENT  
BUFFALO FIELD UNIT  
**NEW YORK STATE DEPARTMENT  
OF ENVIRONMENTAL CONSERVATION  
DIVISION OF HAZARDOUS WASTE REMEDIATION**

SUBMITTED BY:

**CHERRY FARM/RIVER ROAD SITE  
PRP GROUP**

PREPARED BY:

**PARSONS ENGINEERING SCIENCE, INC.**

180 Lawrence Bell Drive, Suite 100  
Williamsville, New York 14221  
(716) 633-7074 Fax (716) 633-7195



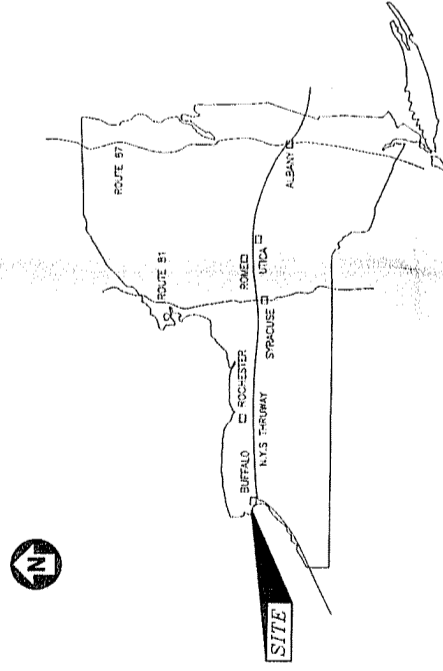
OCTOBER 1999

# CHERRY FARM / RIVER ROAD PRP GROUP

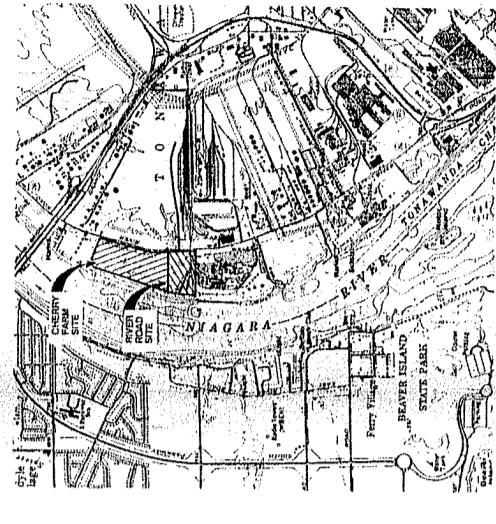
## REMEDIAL CLOSURE PLAN FOR

### CHERRY FARM SITE (NYSDEC SITE NO. 9-15-063) RIVER ROAD SITE (NYSDEC SITE NO. 9-15-031) TONAWANDA, NEW YORK

NUMBER	TITLE
G-1	TITLE SHEET AND DRAWING INDEX
C-1	RECORD TOPSOIL LAYER AND FINAL SITE CONDITIONS PLAN - NORTH
C-2	RECORD TOPSOIL LAYER AND FINAL SITE CONDITIONS PLAN - SOUTH
C-3	RECORD SITE SUBGRADE DRAWING - NORTH
C-4	RECORD SITE SUBGRADE DRAWING - SOUTH
C-5	RECORD COVER SOIL LAYER DRAWING - NORTH
C-6	RECORD COVER SOIL LAYER DRAWING - SOUTH
C-7	FINAL SITE PLAN/ LANDSCAPE PLAN
C-8	PARTIAL PLAN, SCHEDULES AND DETAILS
C-9	SECTIONS AND DETAILS
C-10	SECTIONS AND DETAILS
C-11	SECTIONS AND DETAILS
C-12	DETAILS
C-13	SECTIONS AND DETAILS
C-14	ROAD ALIGNMENT PLAN
C-15	DETAILS
C-16	RIVER ROAD DRIVEWAY PLAN AND DETAILS (61896)
S-1	STRUCTURAL PLAN AND DETAILS
A-1	FLOOR PLAN AND ELEVATIONS
M-1	FLOOR PLAN AND DETAILS
M-2	DETAILS
M-3	SECTIONS AND DETAILS
H-1	H&V PLAN, SCHEMATIC, DETAILS AND SCHEDULES
E-1	ELECTRICAL LEGEND
E-2	POWER AND LIGHTING PLANS, DETAIL AND SCHEDULES
E-3	MCC SINGLE LINE DIAGRAM, ELEVATION AND CONDUIT SCHEDULE
E-4	RECOVERY WELL AND SUMP PLAN AND SECTIONS
E-5	SCHEMATICS
I-1	PROCESS AND INSTRUMENTATION LEGEND
I-2	GROUNDWATER COLLECTION AND TREATMENT SYSTEM P AND ID
I-3	CONTROL PANEL AND DEVICES SCHEDULE



THE STATE OF NEW YORK  
NOT TO SCALE



SITE LOCATION MAP  
SCALE: 1" = 200'

<b>PARSONS ENGINEERING SCIENCE, INC.</b> (716) 633-7074 BUFFALO, NEW YORK	CHERRY FARM/RIVER ROAD PRP GROUP	TITLE SHEET AND DRAWING INDEX CHERRY FARM/RIVER ROAD REMEDIAL DESIGN	DRAWING NO. G-1	REC. 2
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Date: 4/28/97 Reg. No. 12278 Approved: <i>RA</i> Checked: <i>EM</i> Drawn: <i>EM</i> Designed: <i>EM</i> Job No. 25671	Description: RECORD DRAWING FINAL ISSUE FOR CONSTRUCTION FINAL ISSUE FOR CONSTRUCTION FINAL ISSUE FOR CONSTRUCTION	Date: 4/28/97 1/25/96 1/22/96	Rev: 2 1 0	By: EM EM EM
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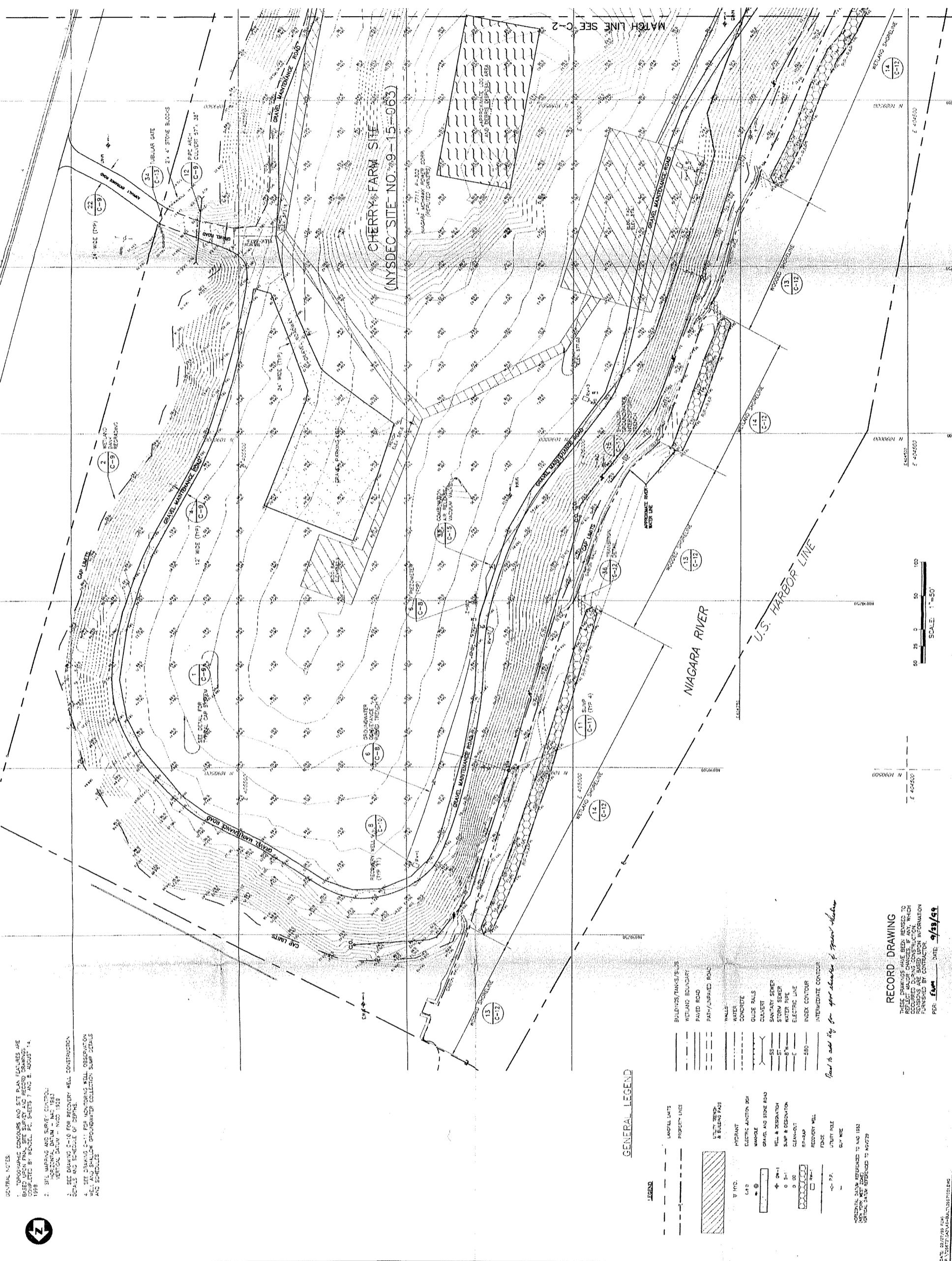
DATE: 04/28/97  
 5:15PM  
 11/15/97 10:45 AM  
 11/15/97 10:45 AM



Job No.	226271
Designed	JMS
Checked	JMS
Approved	M.A.P.
Date	9/28/93
Rev.	1
Date	11/22/95
Description	FINAL DESIGN FOR CONSTRUCTION

By	JMS
Check	JMS
Appr.	M.A.P.
Date	9/28/93
Rev.	1
Date	11/22/95
Description	FINAL DESIGN FOR CONSTRUCTION

IT IS A CONDITION OF THE WORK THAT THE PRP SHALL MAINTAIN THE RECORD DRAWING IN ACCORDANCE WITH THE REQUIREMENTS OF THE STATE OF NEW YORK. THE PRP SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE RECORD DRAWING AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE RECORD DRAWING FROM LOSS, DAMAGE, OR DESTRUCTION. THE PRP SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE RECORD DRAWING FROM LOSS, DAMAGE, OR DESTRUCTION. THE PRP SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE RECORD DRAWING FROM LOSS, DAMAGE, OR DESTRUCTION.



- GENERAL NOTES
1. TOPOGRAPHIC CONTOURS AND SITE PLAN FEATURES ARE BASED ON THE 1983 SURVEY DATA. THE SURVEY DATA WAS OBTAINED BY WENZEL, P.C. SHEETS 7 AND 8, AUGUST 14, 1988.
  2. SITE MAPPING AND SURVEY CONTROL: HORIZONTAL DATUM = NAD 1983; VERTICAL DATUM = NGVD 1958.
  3. SEE DRAWING C-10 FOR RECOVERY WELL CONSTRUCTION DETAILS AND SCHEDULE OF DEPTH.
  4. SEE DRAWING C-11 FOR MONITORING WELL OBSERVATION WELL AND SHALLOW GROUNDWATER COLLECTION SUMP DETAILS AND SCHEDULE.



GENERAL LEGEND

- |                      |     |
|----------------------|-----|
| LANDFILL LIMIT       | --- |
| PROPERTY LINE        | --- |
| WATER                | --- |
| WALLS                | --- |
| CONCRETE             | --- |
| GLUE BALLS           | --- |
| CALESTI              | --- |
| SANITARY SEWER       | --- |
| WATER SEWER          | --- |
| STEEL PIPE           | --- |
| ELECTRIC WIRE        | --- |
| INDEX CONTOUR        | --- |
| INTERMEDIATE CONTOUR | --- |
| RECOVERY WELL        | --- |
| UTILITY POLE         | --- |
| BY WSE               | --- |

Scale and 1/2" for your selection of typical section

RECORD DRAWING  
 THESE DRAWINGS HAVE BEEN PREPARED TO REFLECT ALL CHANGES IF ANY, WHICH OCCURRED DURING CONSTRUCTION. INFORMATION FURNISHED BY CONTRACTOR.  
 PER: JMS DATE: 9/28/93





CHERRY FARM/RIVER ROAD REMEDIAL DESIGN  
 RECORD SITE SUBGRADE DRAWING  
 SOUTH

CHERRY FARM/RIVER ROAD  
 PIP GROUP

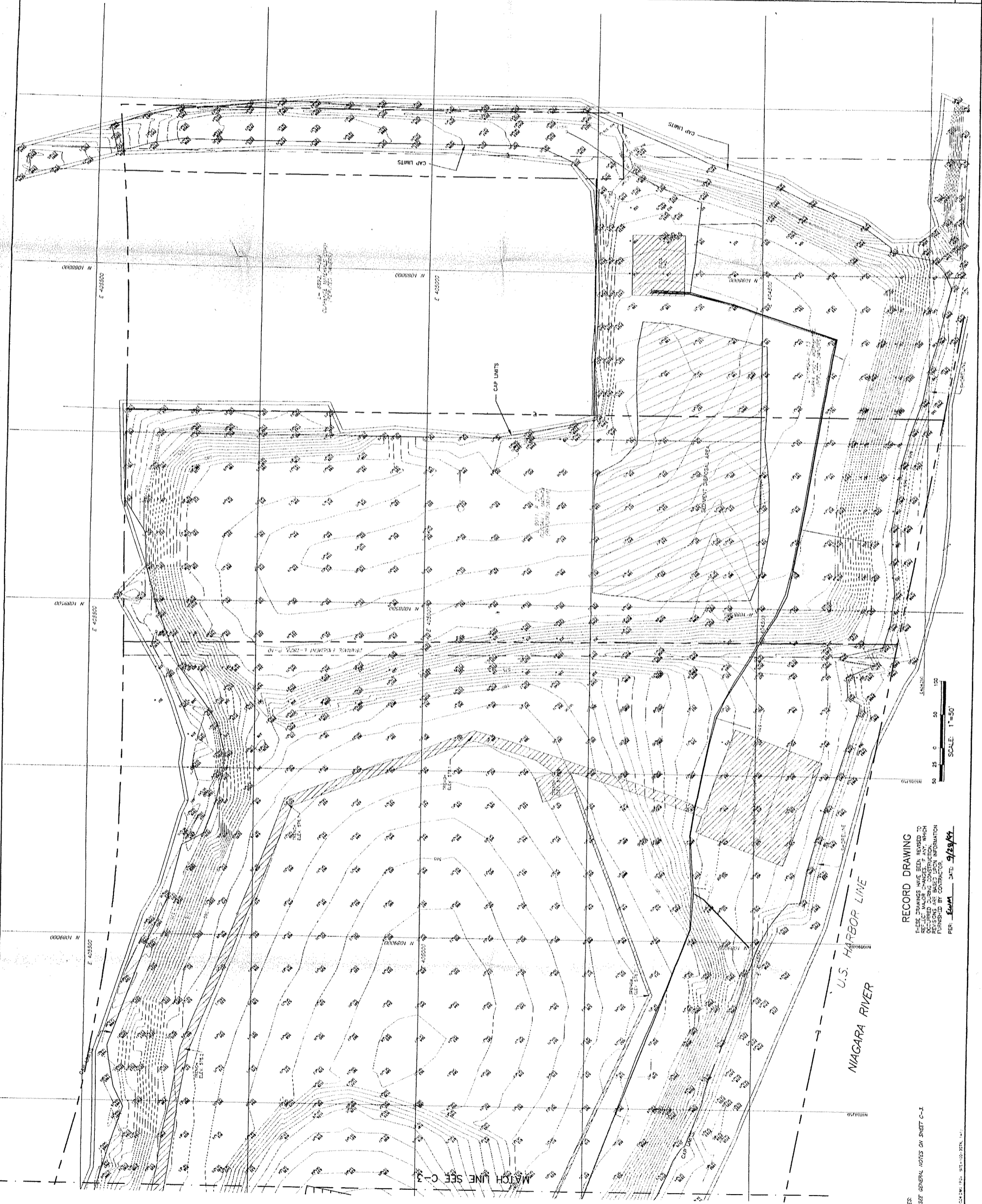
PARSONS  
 ENGINEERING  
 SCIENCE, INC.  
 BUFFALO, NEW YORK  
 (716) 633-7074



Job No.	720821
Designed E.M.	
Drawn E.M.	
Checked E.M.	
Approved	JAC/IMP
Date	7/30/95

REV	DATE	DESCRIPTION
2	7/27/95	RECORD DRAWING
1	1/26/95	FINAL ISSUE FOR CONSTRUCTION
0	1/22/95	FINAL ISSUE FOR CONSTRUCTION

IT IS A VIOLATION OF NEW YORK STATE LAW FOR ANY PERSON TO REPRODUCE OR TRANSMIT IN ANY MANNER THE CONTENTS OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF PARSONS ENGINEERING SCIENCE, INC. ANY REPRODUCTION OR TRANSMISSION OF THIS DRAWING WITHOUT THE WRITTEN PERMISSION OF PARSONS ENGINEERING SCIENCE, INC. IS PROHIBITED AND WILL BE PROSECUTED TO THE FULL EXTENT OF THE LAW.



RECORD DRAWING  
 THESE DIMENSIONS HAVE BEEN REFERRED TO  
 REFLECT MAJOR CHANGES. ANY OTHER  
 OCCURRED DURING CONSTRUCTION.  
 INFORMATION FURNISHED BY CONTRACTOR.  
 PER: E.M. DATE: 9/29/95

NOTES:  
 1. SEE GENERAL NOTES ON SHEET C-1.

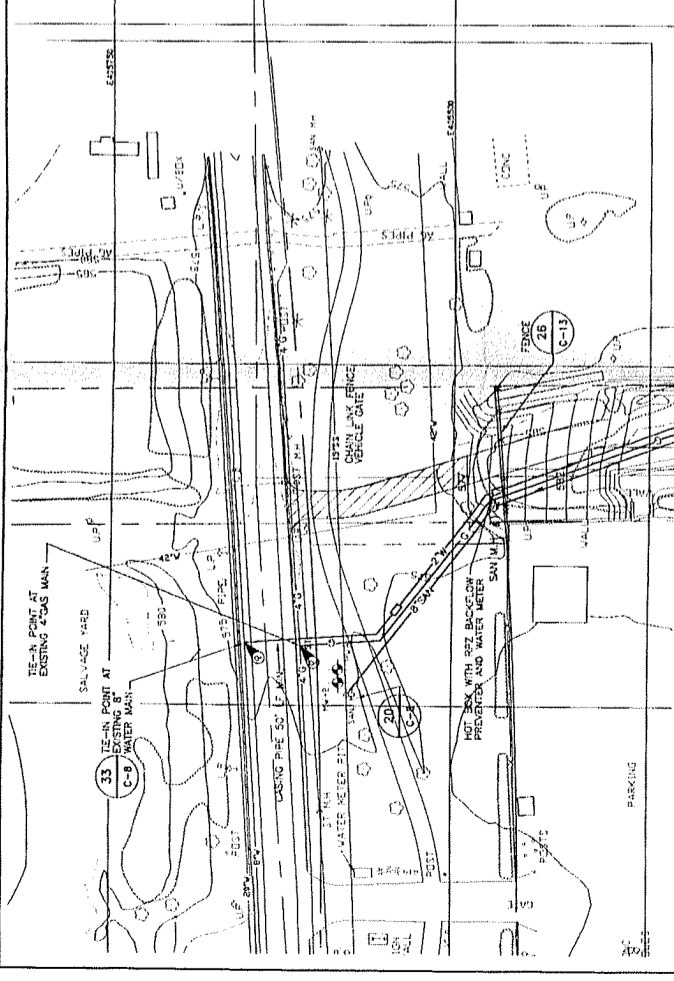




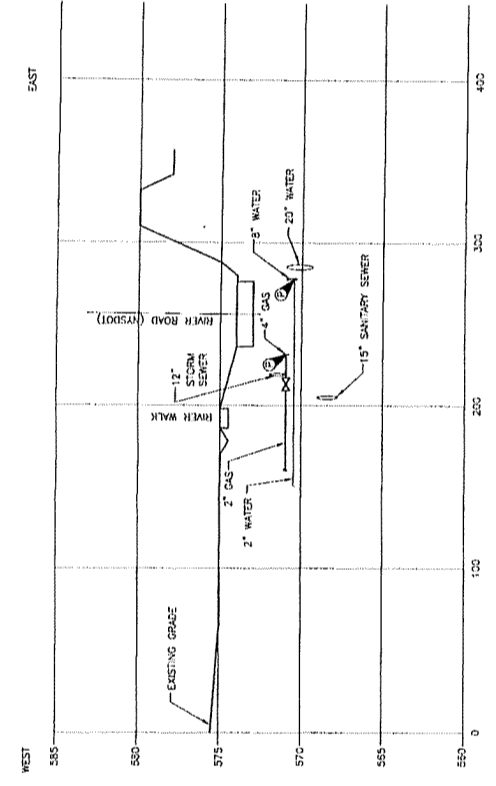








33 RIVER ROAD WATER LINE TIE-IN PROFILE  
 C-5/ HORIZ. SCALE: 1"=50'-0"  
 VERT. SCALE: 1"=5'-0"

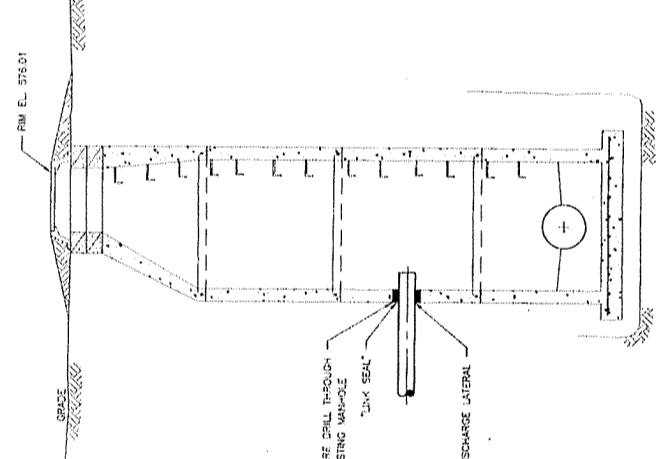


NEW SANITARY SEWER MANHOLE SCHEDULE

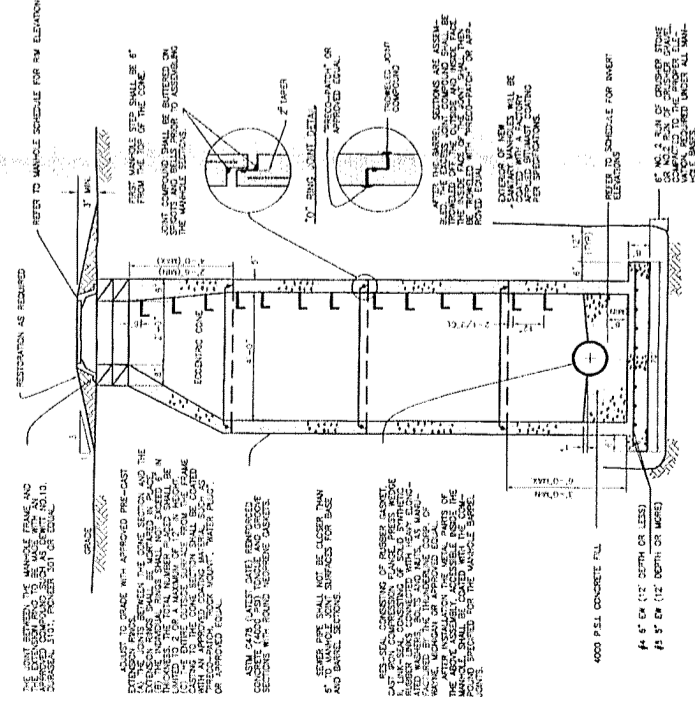
MANHOLE NO.	NORTHINGS	EASTINGS	INVERT ELEV. (INVERT ELEV. AT 10' FROM MANHOLE)	INVERT DIA. (INCH)	MANHOLE DIA. (INCH)	INVERT DIA. (INCH)
1	1087922	425577	576.01	58.13	58.13	58.13
2	1087924	425469	578.5	57.45	57.45	57.45
3	1087785	425222	585.5	57.45	57.45	57.45
4	1087785	424682	583.5	57.45	57.45	57.45
5	1087915	424690	583.3	57.45	57.45	57.45
6	1087915	424690	580.80	58.00	58.00	58.00

SEE DRAWINGS C-1 AND C-2 FOR PLAN LOCATIONS  
 \* ELEVATIONS PER TOWN OF TOWNSHAND RECORD INFORMATION FOR LOCAL UTILITIES.

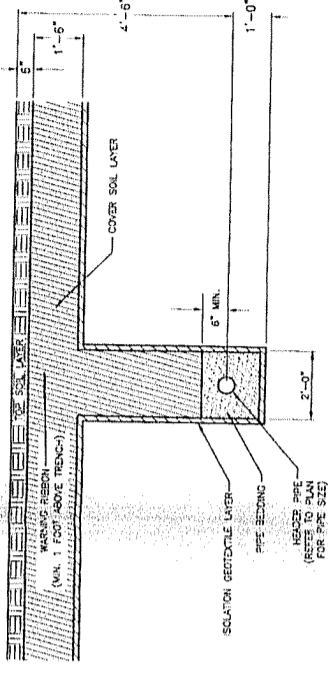
35 RIVER ROAD WATER LINE TIE-IN PROFILE  
 C-5/ HORIZ. SCALE: 1"=50'-0"  
 VERT. SCALE: 1"=5'-0"



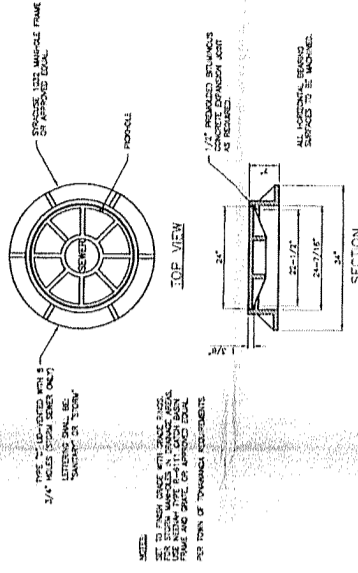
20 SANITARY SEWER TIE-IN DETAIL  
 C-1/ NOT TO SCALE



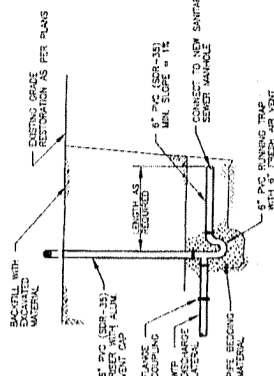
18 TYPICAL SANITARY SEWER DETAIL  
 C-1/ NOT TO SCALE



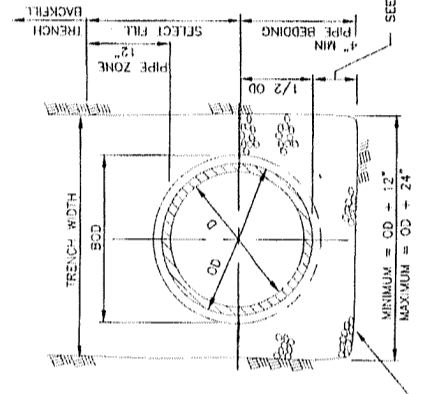
16 HEADER BEDDING DETAIL  
 C-2/ SCALE: 1/2" = 1'-0"



19 STANDARD MANHOLE CASTING DETAIL  
 C-2/ NOT TO SCALE



21 TYPICAL SEWER SERVICE DETAIL  
 C-2/ NOT TO SCALE



35 TYPICAL UTILITY PIPE BEDDING  
 C-10/ NOT TO SCALE

RECORD DRAWING  
 THESE DRAWINGS HAVE BEEN REVISED TO REFLECT LATEST CHANGES. IF ANY, WHICH WERE NOT SHOWN ON THE ORIGINAL DRAWING, THESE REVISIONS ARE BASED UPON INFORMATION FURNISHED BY CONTRACTOR.  
 PER: **SLM** DATE: **9/28/99**



NO.	DATE	DESCRIPTION
1	11/27/98	FINAL ISSUE FOR CONSTRUCTION
2	9/28/99	RECORD DRAWING

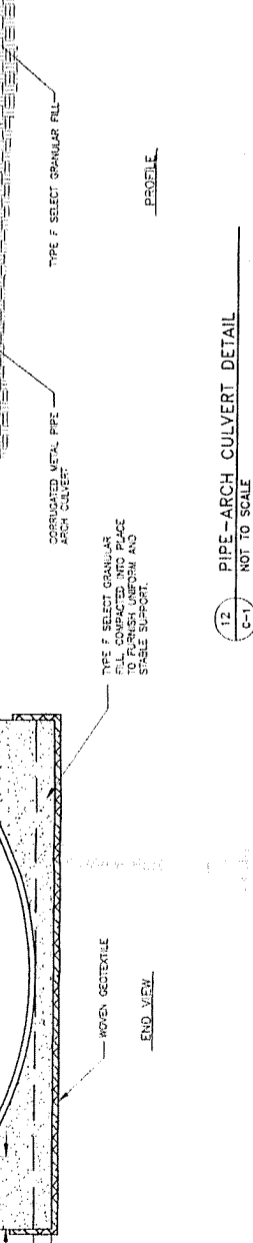
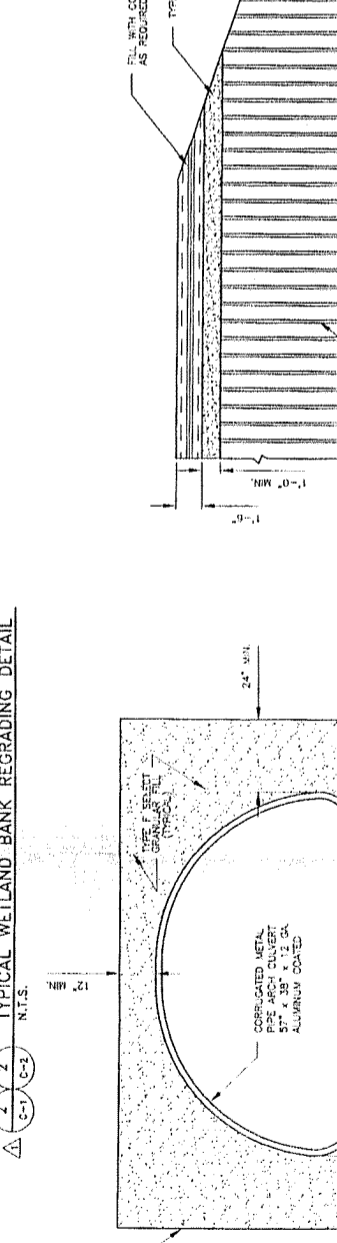
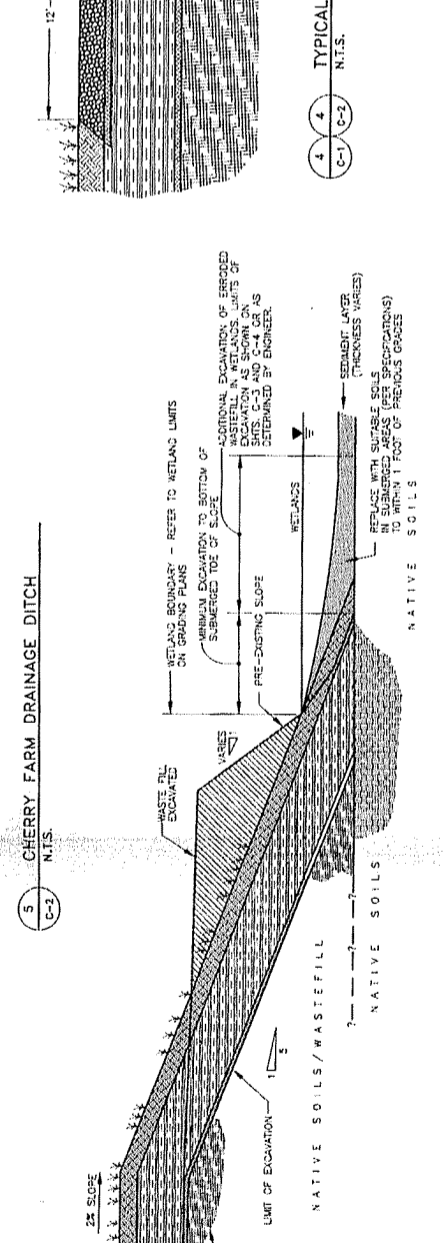
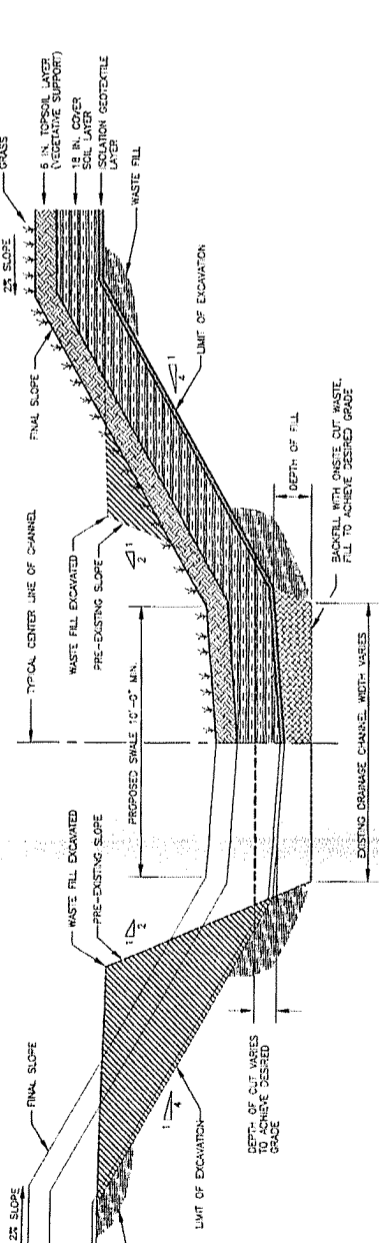
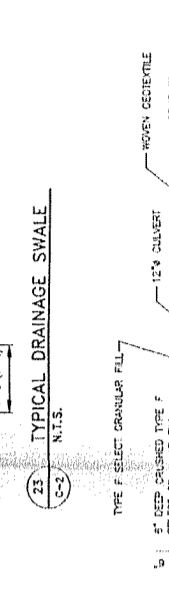
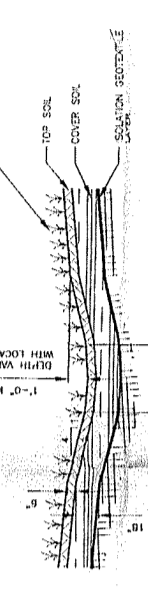
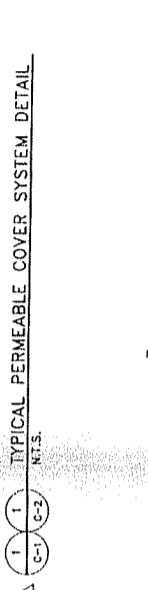
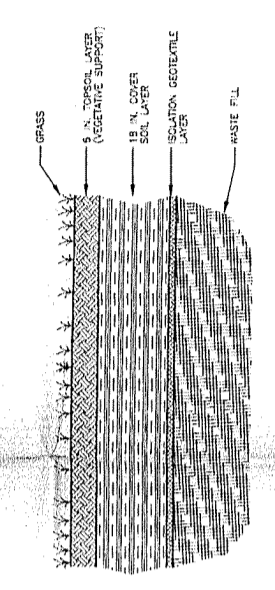
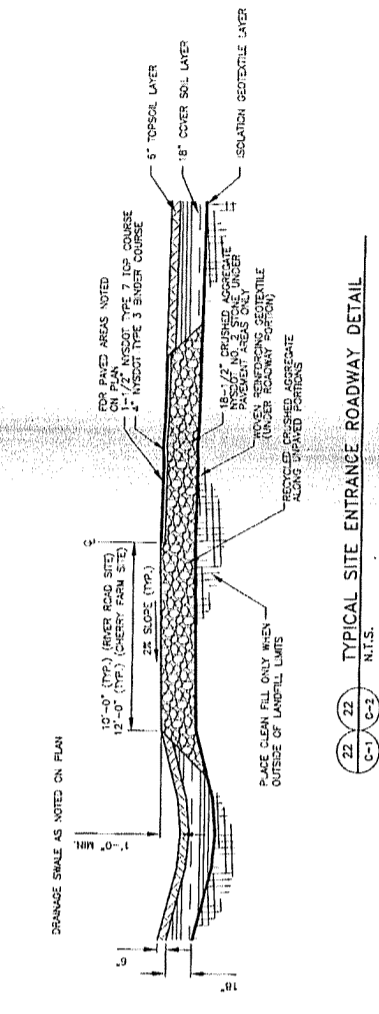
1. ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE NEW YORK STATE ENGINEERING PROFESSIONAL SEAL ACT AND THE RULES AND REGULATIONS THEREUNDER.  
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.  
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE LOCAL UTILITIES.  
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE LOCAL UTILITIES.  
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY INFORMATION FROM THE LOCAL UTILITIES.

CHERRY FARM/RIVER ROAD REMEDIAL DESIGN SECTIONS AND DETAILS CHERRY FARM/RIVER ROAD PRP GROUP	DRAWING NO. C-9 REV. 2
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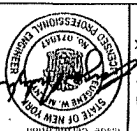
  

ENGINEERING INC. BUFFALO, NEW YORK (716) 633-7074	DESIGNED BY: JAC/MLP CHECKED BY: JAC/MLP DATE: 9/28/93
RECORDED DRAWING FROM SCALE FOR CONSTRUCTION DATE: 11/22/93	REVISIONS: 1 9/28/93 2 9/28/93

RECORD DRAWING  
 THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE RESULTS OF FIELD INVESTIGATION OCCURRED DURING CONSTRUCTION. WHICH REVISIONS ARE BASED UPON INFORMATION FURNISHED BY CONTRACTOR.  
 PER: JMM DATE: 9/29/93







Job No.	226621
Drawn	GTS/MJS
Checked	JMC
Reviewed	MVA
Approved	MVA
Date	9/28/99
Final Issue For Construction	9/28/99

RECORD DRAWING  
THESE DRAWINGS HAVE BEEN REVIEWED TO REFLECT MAJOR CHANGES. ANY WHICH OCCURRED DURING CONSTRUCTION, PUBLISHED BY CONTRACTOR.  
PER: Edwin DATE: 9/28/99

SHALLOW GROUNDWATER INTERCEPTOR SCHEDULE

SUMP ID	PIPE SIZE	NORTHING	EASTING	R/W ELEVATION (NOVD)	SUMP BOTTOM ELEVATION (NOVD)	INVERT ELEVATION AT SUMP (NOVD)	INVERT ELEV. AT SOUTH CLEANSUIT (NOVD)	GRANULAR MATERIAL
S-1	4" PERF. HOPE	1092301	425104	571.84	562.2	564.54	568.79	PEA GRAVEL
S-2	4" PERF. HOPE	1089765	404809	571.81	562.0	564.0	564.0	PEA GRAVEL
S-3	4" PERF. HOPE	1089007	424503	571.84	562.2	564.0	564.0	PEA GRAVEL
S-4	6" SLOTTED HOPE	1088279	404310	571.51	560.2	562.0	564.0	PEA GRAVEL

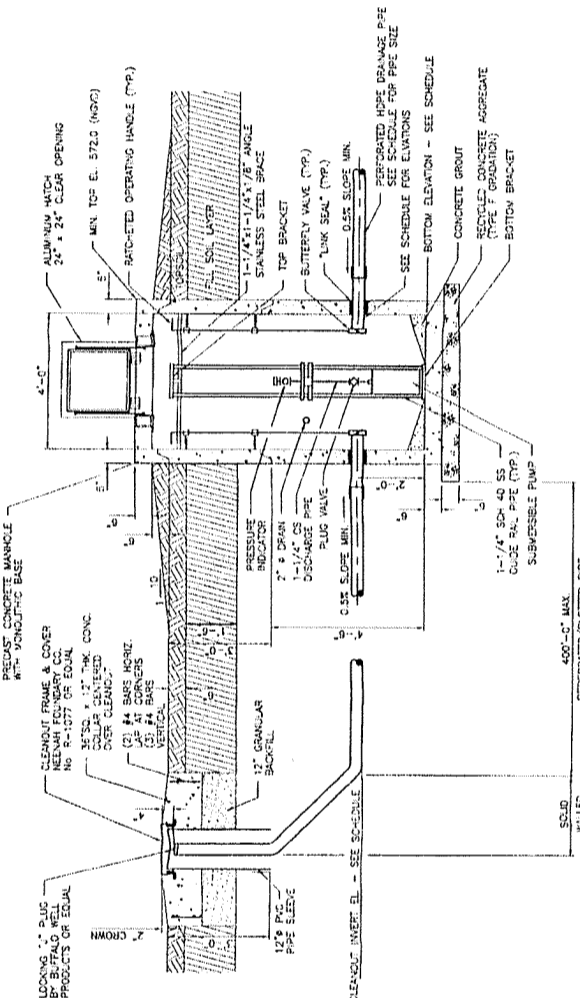
MONITORING WELL SCHEDULE

MONITORING WELL NO.	NORTHING	EASTING	APPROX. TOP OF SCREEN ELEV.	APPROX. SCREEN LENGTH	SCREEN LENGTH	SCREEN ELEV.
MW-1	1089567.0	425856.0	551.50	20	20	567.33
MW-2	108810.20	425564.30	557.0	20	20	574.45
MW-3	1089567.0	425314.80	555.16	15	15	567.75
MW-4	1089567.0	405097.0	554.08	20	20	565.71
MW-5	1089567.0	404774.30	555.0	20	20	572.10
MW-6	1088245.12	424462.30	548.85	15	15	564.62
MW-7	1088245.12	424462.30	557.0	15	15	567.34
MW-8	1088245.12	424462.30	564.81	5'	5'	564.81
MW-9	1088245.12	424462.30	578.32	10'	10'	578.32

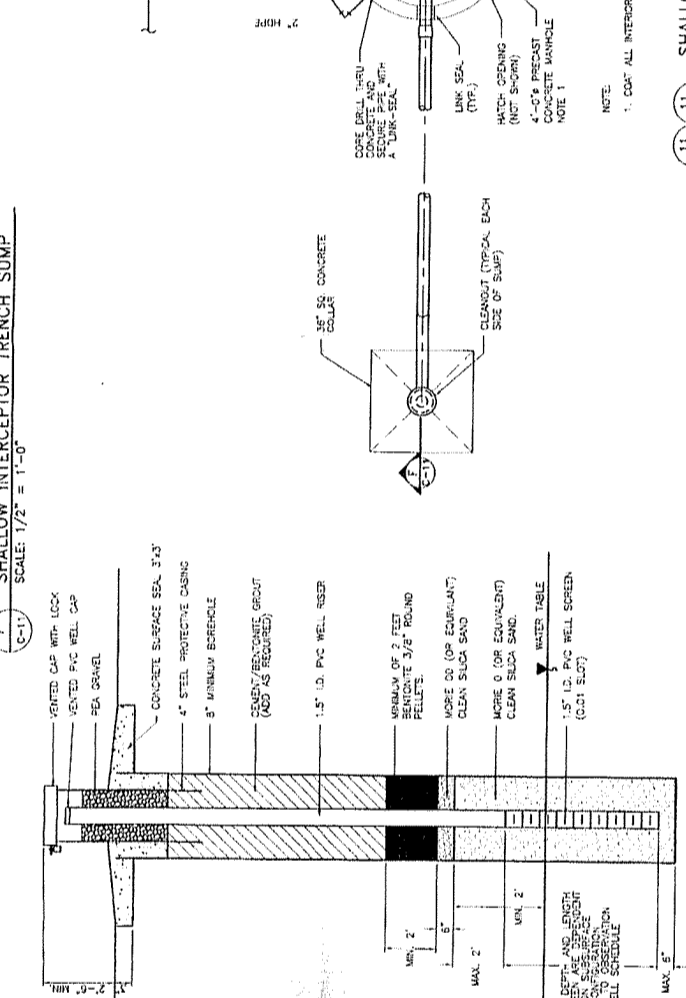
OBSERVATION WELL SCHEDULE

PIEZOMETER NO.	NORTHING	EASTING	APPROX. TOP OF SCREEN ELEV.	SCREEN LENGTH	SCREEN ELEV.
OW-1	1089685.00	425116.00	567.33	5'	567.33
OW-2	130022.10	425146.40	574.45	10'	574.45
OW-3	130046.50	424955.10	567.75	5'	567.75
OW-4	1089565.40	424734.70	565.71	5'	565.71
OW-5	1089122.70	424687.40	572.10	10'	572.10
OW-6	1088855.50	424462.30	564.62	4.5'	564.62
OW-7	1088471.20	424342.60	567.34	5'	567.34
OW-8	1088133.00	424277.20	564.81	5'	564.81
OW-9	1088245.12	424462.30	578.32	10'	578.32

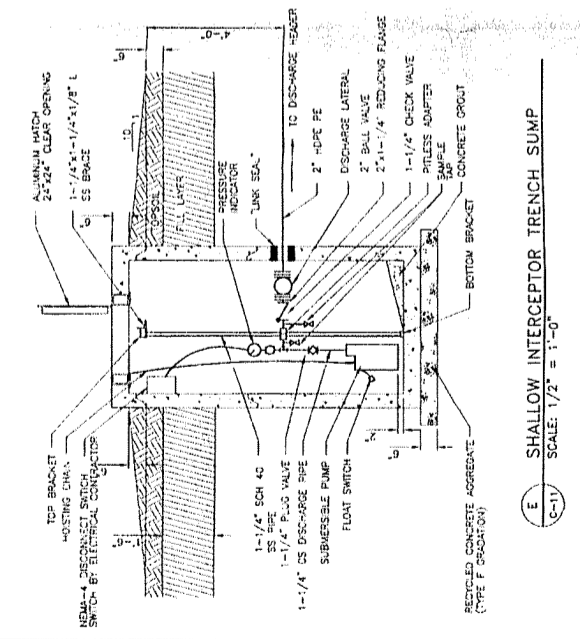
SEE DRAWINGS C-5 AND C-6 FOR PLAN LOCATIONS



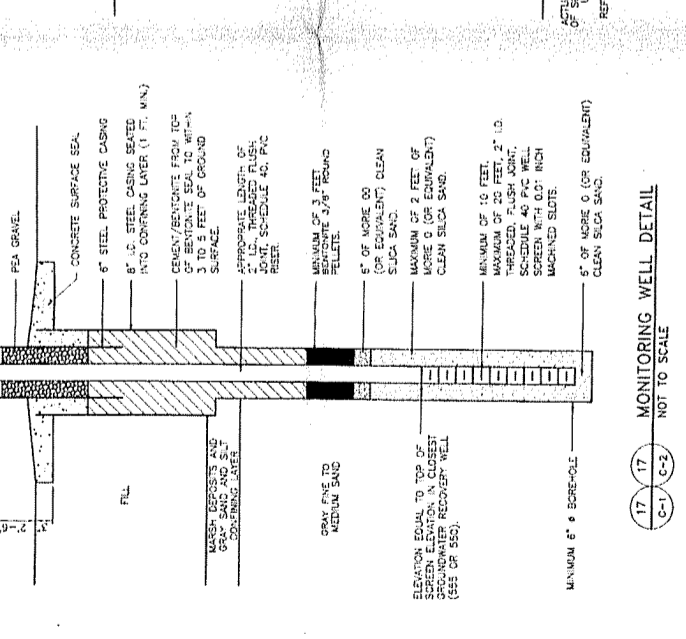
**E SHALLOW INTERCEPTOR TRENCH SUMP**  
SCALE: 1/2" = 1'-0"



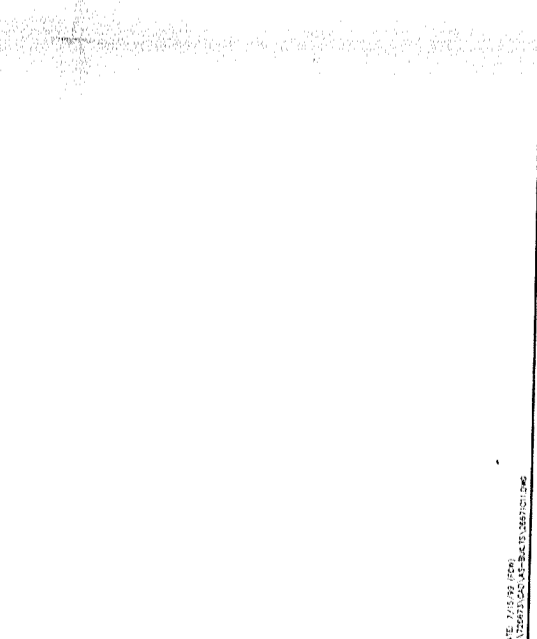
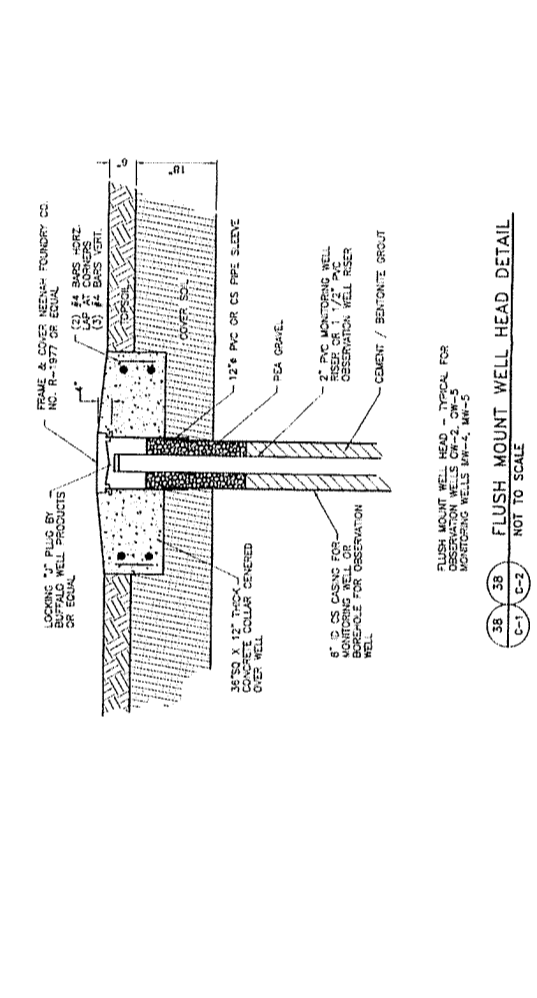
**F SHALLOW INTERCEPTOR TRENCH SUMP**  
SCALE: 1/2" = 1'-0"



**G MONITORING WELL DETAIL**  
NOT TO SCALE



**H OBSERVATION WELL DETAIL**  
NOT TO SCALE



**I SHALLOW INTERCEPTOR TRENCH SUMP**  
SCALE: 1/2" = 1'-0"

DATE: 9/23/94	REVISION: 1	DESCRIPTION: RECORD DRAWINGS
DATE: 9/23/94	REVISION: 0	DESCRIPTION: FINAL DESIGN FOR CONSTRUCTION
DATE: 9/23/94	REVISION: 1	DESCRIPTION: RECORD DRAWINGS

PARSONS ENGINEERING SCIENCE, INC.  
 CHERRY FARM/RIVER ROAD  
 PRR GROUP

CHERRY FARM/RIVER ROAD REMEDIAL DESIGN  
 DETAILS

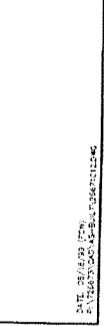
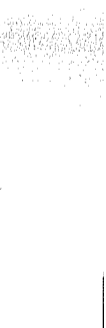
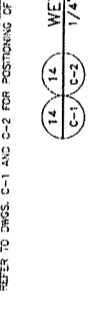
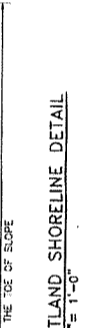
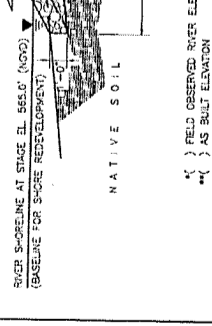
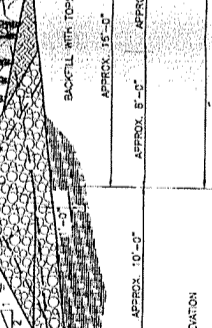
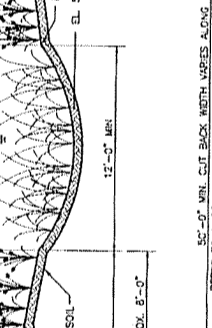
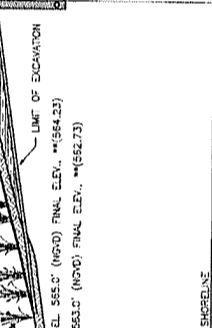
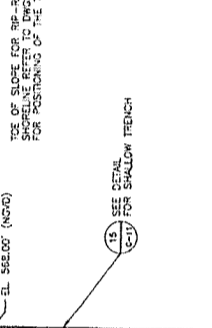
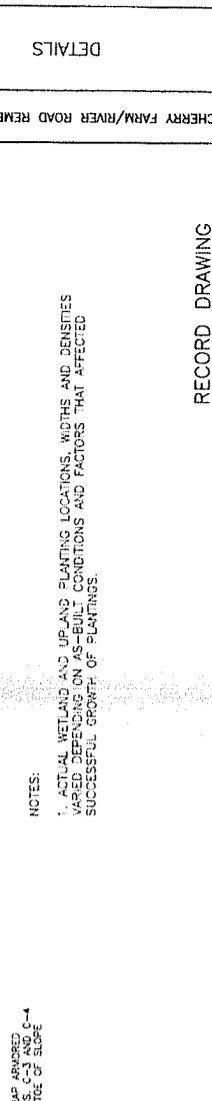
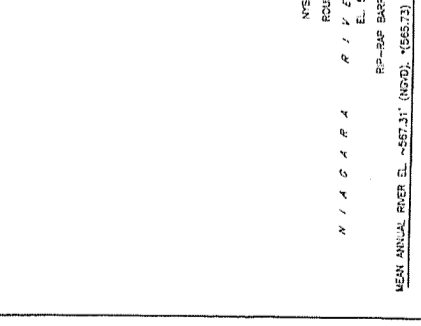
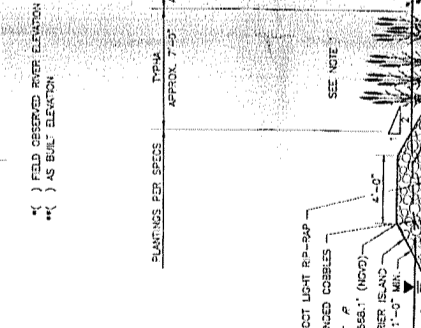
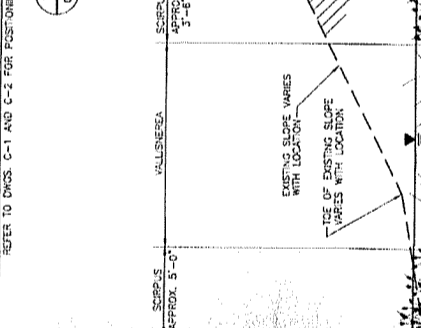
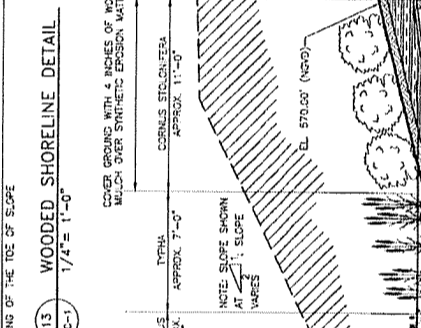
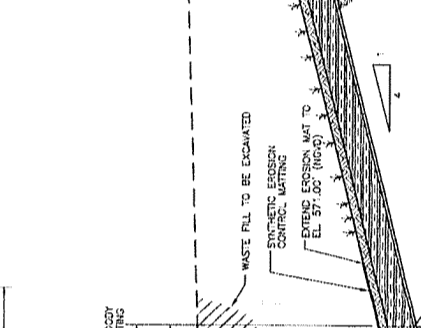
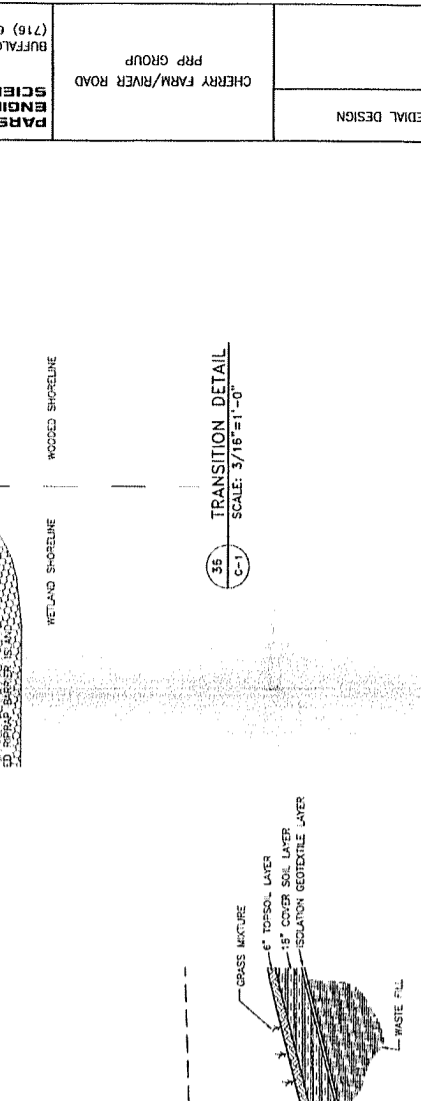
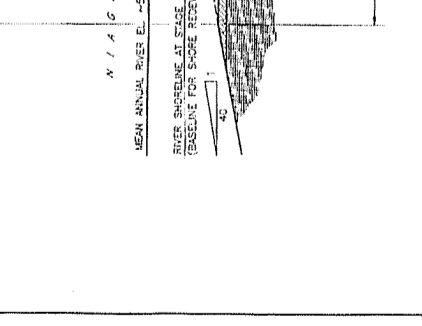
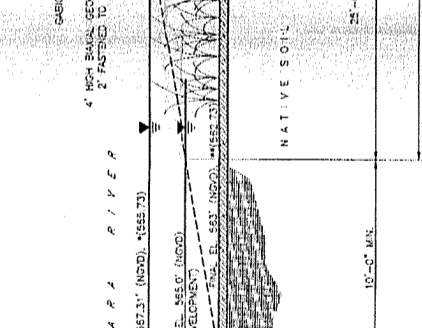
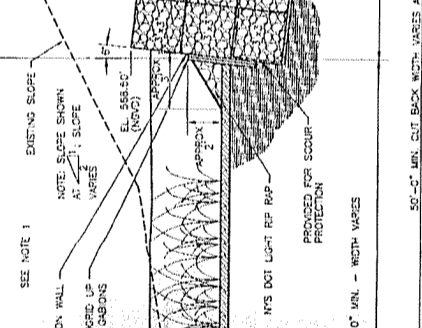
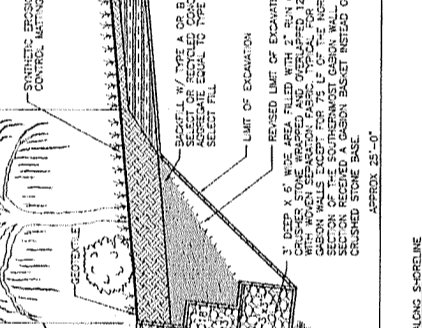
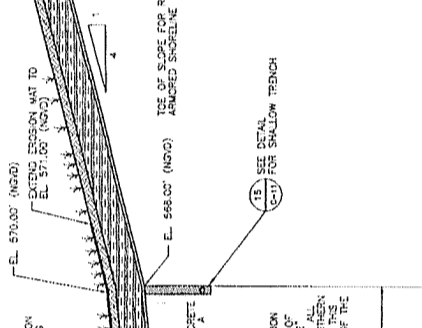
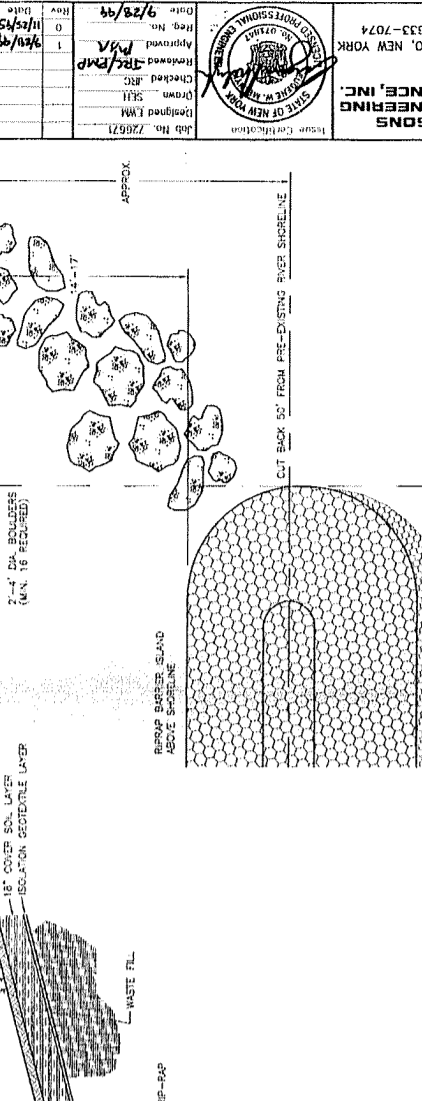
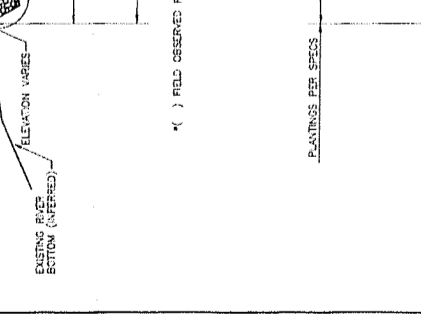
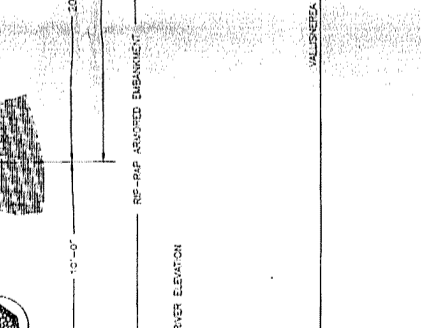
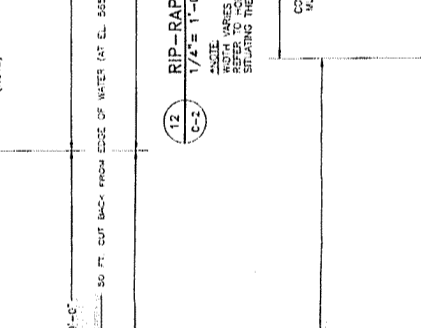
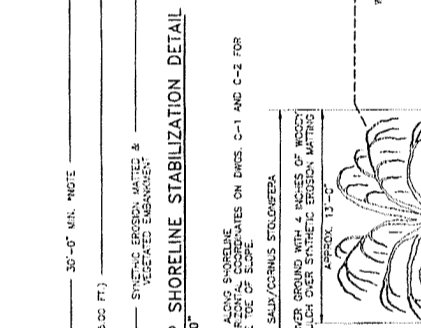
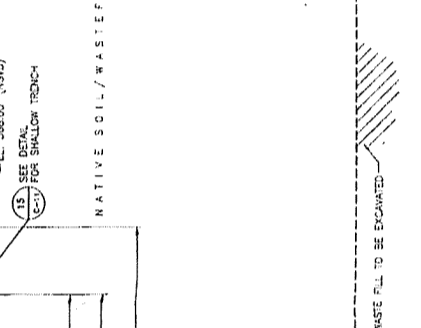
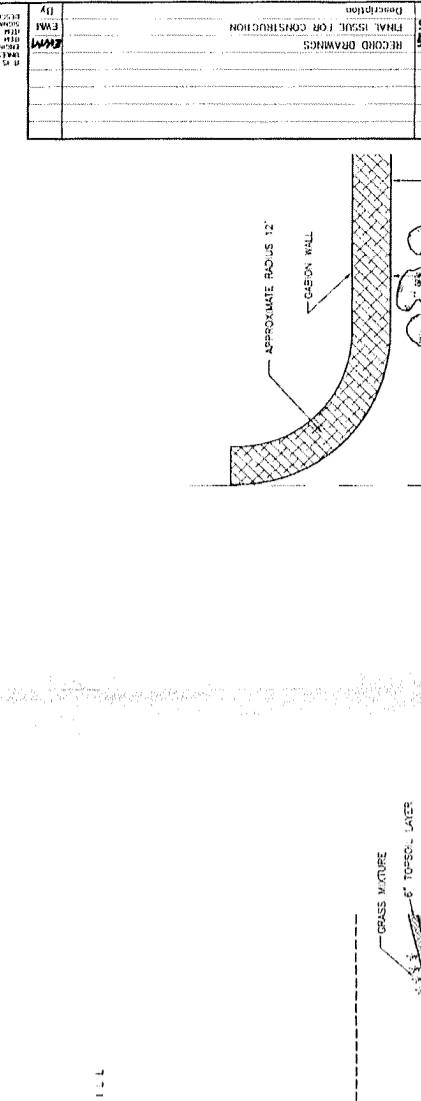
BUFALO, NEW YORK  
 (716) 633-7074

Issue Collection  
 Title No. 226271  
 Designed LMA  
 Drawn SEM  
 Checked RMC  
 Approved PMA  
 Date 9/23/94

PER: LMA DATE: 9/23/94

RECORD DRAWING  
 THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE LATEST INFORMATION WHICH HAS BEEN OBTAINED SINCE THE ORIGINAL DESIGN WAS BASED UPON INFORMATION FURNISHED BY CONTRACTOR.

NOTES:  
 1. ACTUAL WETLAND AND UPLAND PLANTING LOCATIONS, WIDTHS AND DENSITIES VARY DEPENDING ON AS-BUILT CONDITIONS AND FACTORS THAT AFFECTED SUCCESSFUL GROWTH OF PLANTINGS.





CHERRY FARM/RIVER ROAD REMEDIAL DESIGN  
ROAD ALIGNMENT PLAN

CHERRY FARM/RIVER ROAD  
PRP GROUP

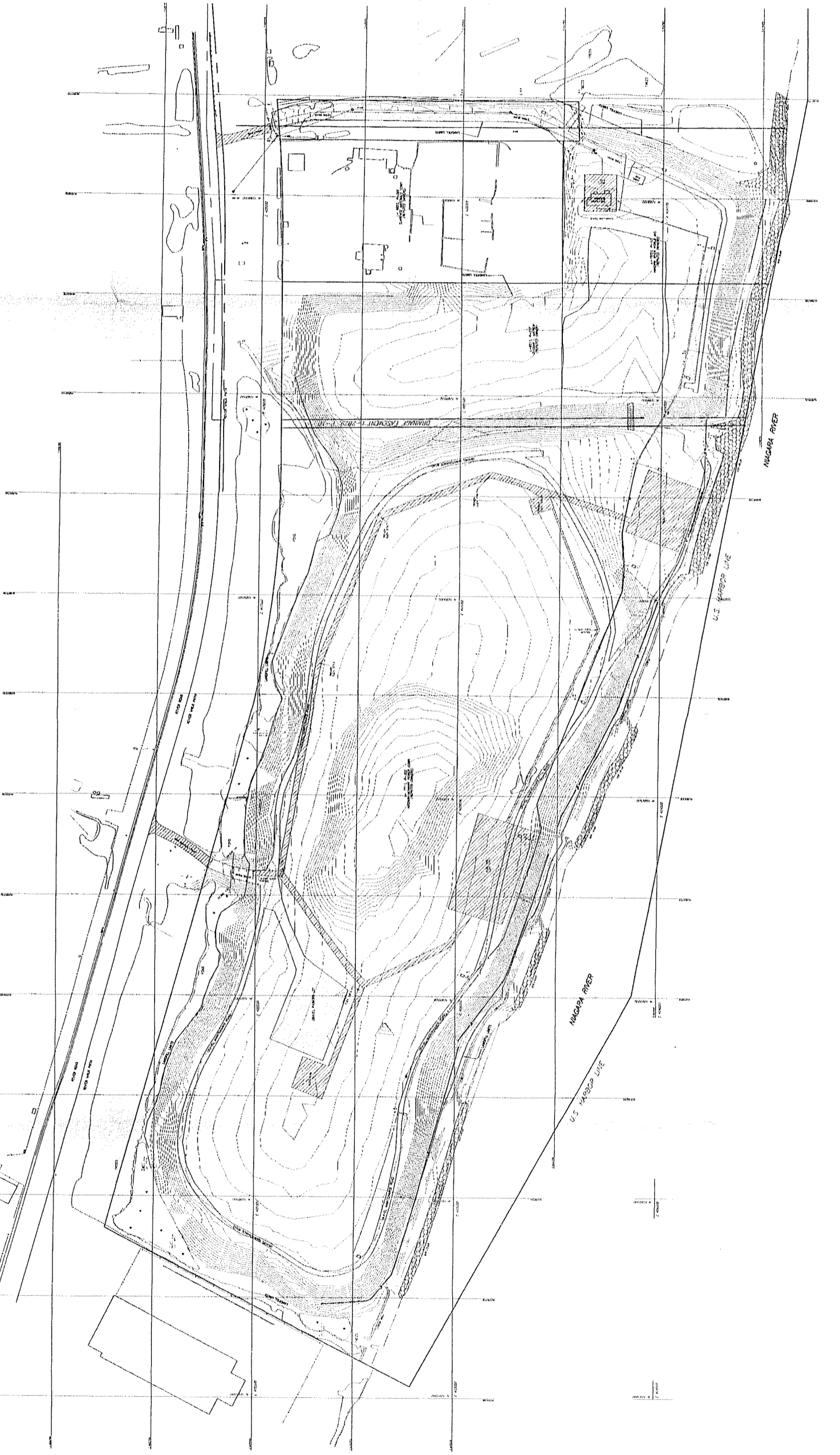
PARSONS  
ENGINEERING  
SCIENCE, INC.  
BUFFALO, NEW YORK  
(716) 633-7074



Job No.	276871
Designed By	JTS
Checked By	JTS
Approved By	JTS
Date	9/25/99
Rev	Description
0	11/23/98 FROM ISSUE FOR CONSTRUCTION
1	7/25/99 FROM ISSUE FOR CONSTRUCTION
2	9/25/99 RECORD DRAWING

IF A PORTION OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF PARSONS ENGINEERING SCIENCE, INC., THIS IS PROHIBITED. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES OF THE JURISDICTION OF THE PROJECT.

DATE: 9/25/99  
BY: JTS  
CHECKED: JTS  
APPROVED: JTS



- NOTES:
1. SEE DRAWING C-1 FOR GENERAL NOTES.
  2. SEE DRAWING C-1 FOR GENERAL LEGEND.

RECORD DRAWING

THESE DRAWINGS HAVE BEEN REVISIONED TO REFLECT MAJOR CHANGES. IF ANY, WHICH ARE NOT SHOWN ON THESE DRAWINGS, INFORMATION FURNISHED BY CONTRACTOR.

REP: EWM DATE: 9/25/99









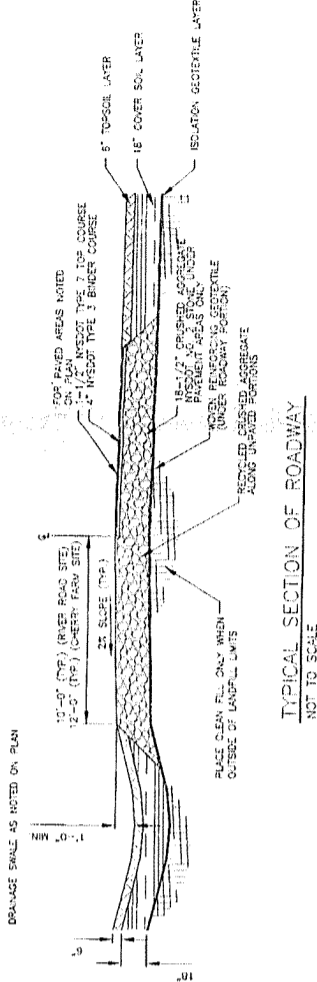
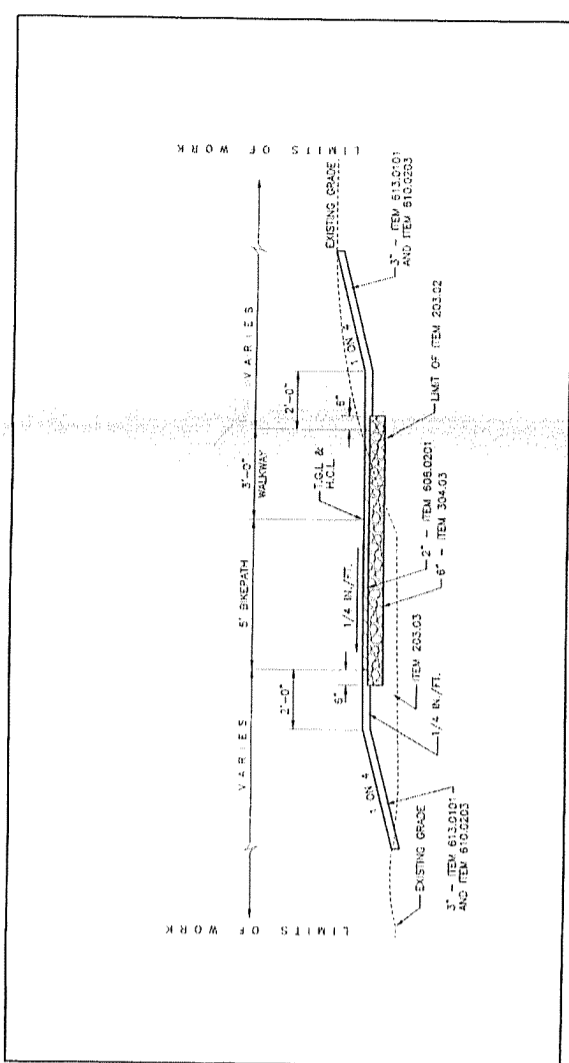
Date	9/28/95
Rev	1
Appr'd	R/A
Check'd	EJM
Design'd	DS
Job No.	226271

Date	9/28/95
Rev	1
Appr'd	R/A
Check'd	EJM
Design'd	DS
Job No.	226271

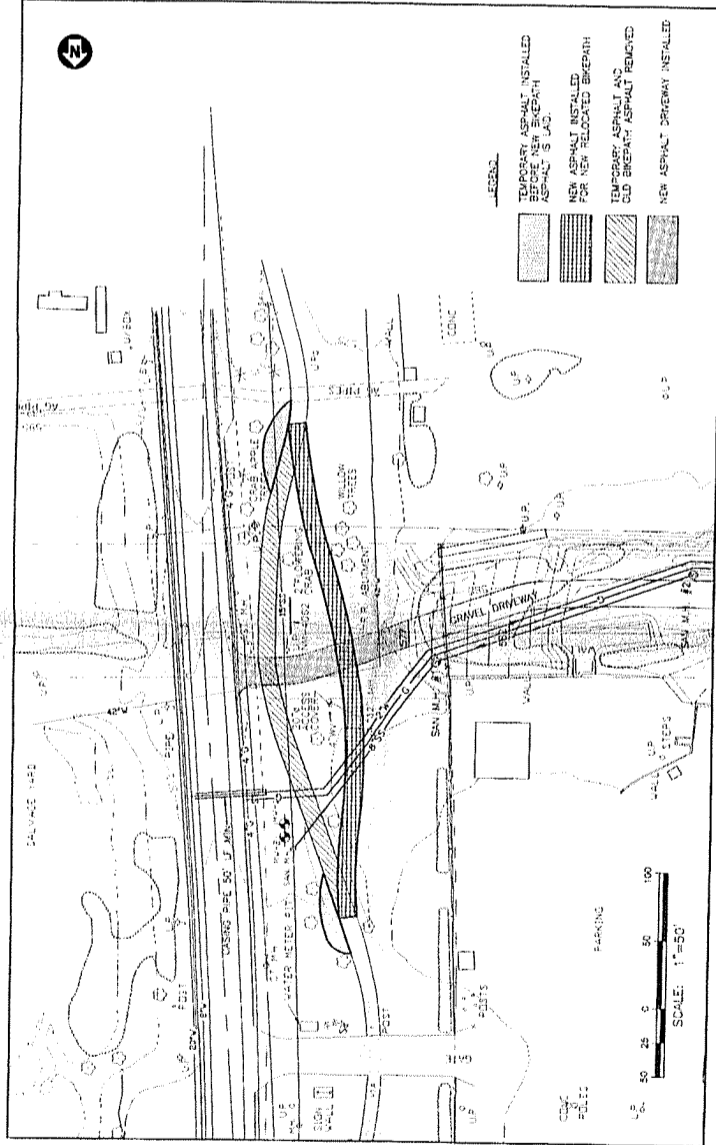
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Design'd	DS
Job No.	226271

RECORD DRAWING  
REVISIONS FOR APPROVAL  
FOR REVIEW  
FOR REVIEW  
FOR REVIEW

RECORD DRAWING  
THIS DRAWING HAS BEEN REVISED TO REFLECT CHANGES TO THE DESIGN OCCURRED DURING CONSTRUCTION. REVISIONS ARE INDICATED BY CIRCLED NUMBERS AND DATES. FOR ADDITIONAL INFORMATION, CONTACT THE PROJECT MANAGER.



- NOTES:
1. INSTALL TEMPORARY FENCING ALONG WITH SIGNAGE DURING WORK.
  2. PROVIDE TRAFFIC CONTROL PERSON AND/OR SIGNAGE DURING WORK.
  3. SPREAD AND STROKE 1\"/>
  - 4. INSTALL DRIVEWAY FROM SITE PROPERTY LINE TO THE EXISTING BIKEWAY.
  - 5. INSTALL CURB AND GUTTER ALONG BIKEWAY FOR FUTURE UTILITIES (WATER, SEWER, GAS).
  - 6. REMOVE AND DISPOSE OF EXISTING BIKEWAY (ASPHALT AND GRAVEL).
  - 7. REMOVE AND DISPOSE OF EXISTING DRIVEWAY (ASPHALT AND GRAVEL).
  - 8. REMOVE AND DISPOSE OF EXISTING DRIVEWAY (ASPHALT AND GRAVEL).
  - 9. REMOVE AND DISPOSE OF EXISTING DRIVEWAY (ASPHALT AND GRAVEL).
  - 10. REMOVE AND DISPOSE OF EXISTING DRIVEWAY (ASPHALT AND GRAVEL).
  - 11. REMOVE AND DISPOSE OF EXISTING DRIVEWAY (ASPHALT AND GRAVEL).
  - 12. REMOVE AND DISPOSE OF EXISTING DRIVEWAY (ASPHALT AND GRAVEL).
  - 13. REMOVE AND DISPOSE OF EXISTING DRIVEWAY (ASPHALT AND GRAVEL).
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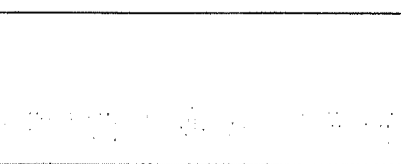
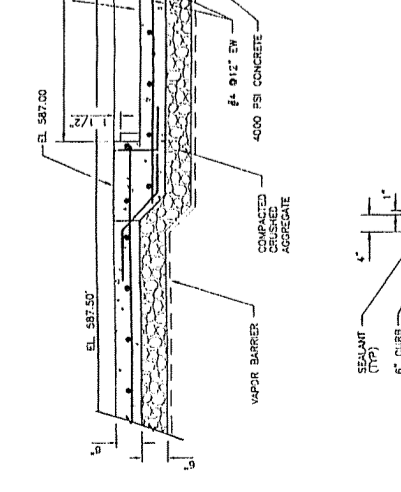
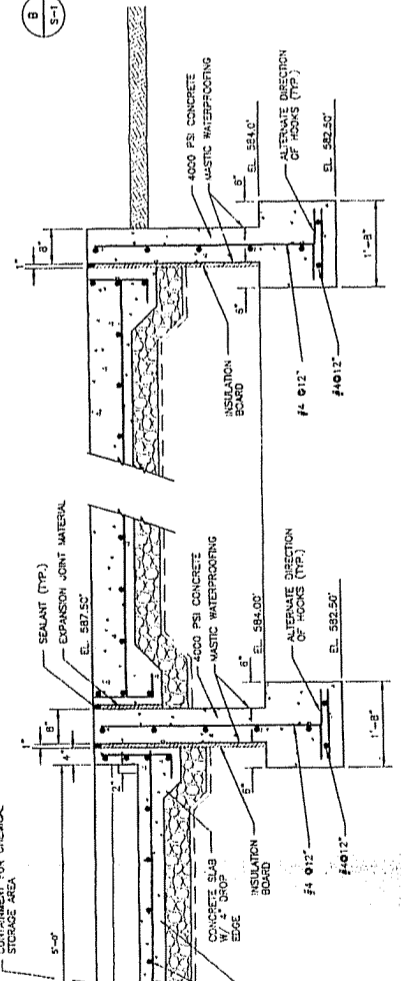
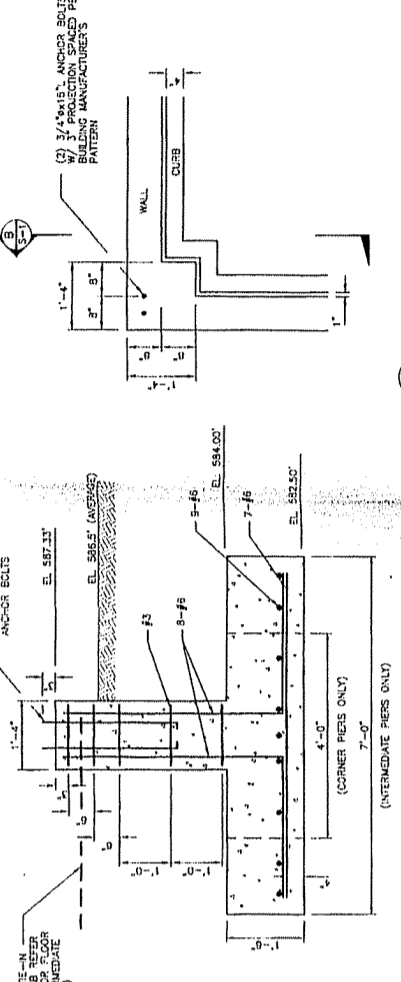
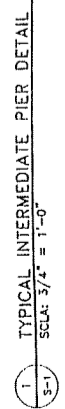
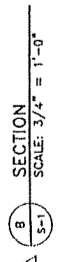
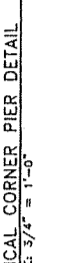
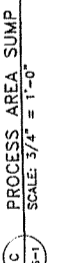
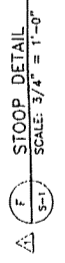
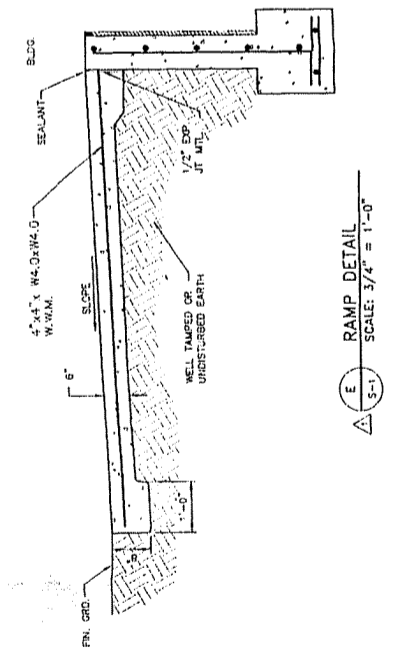
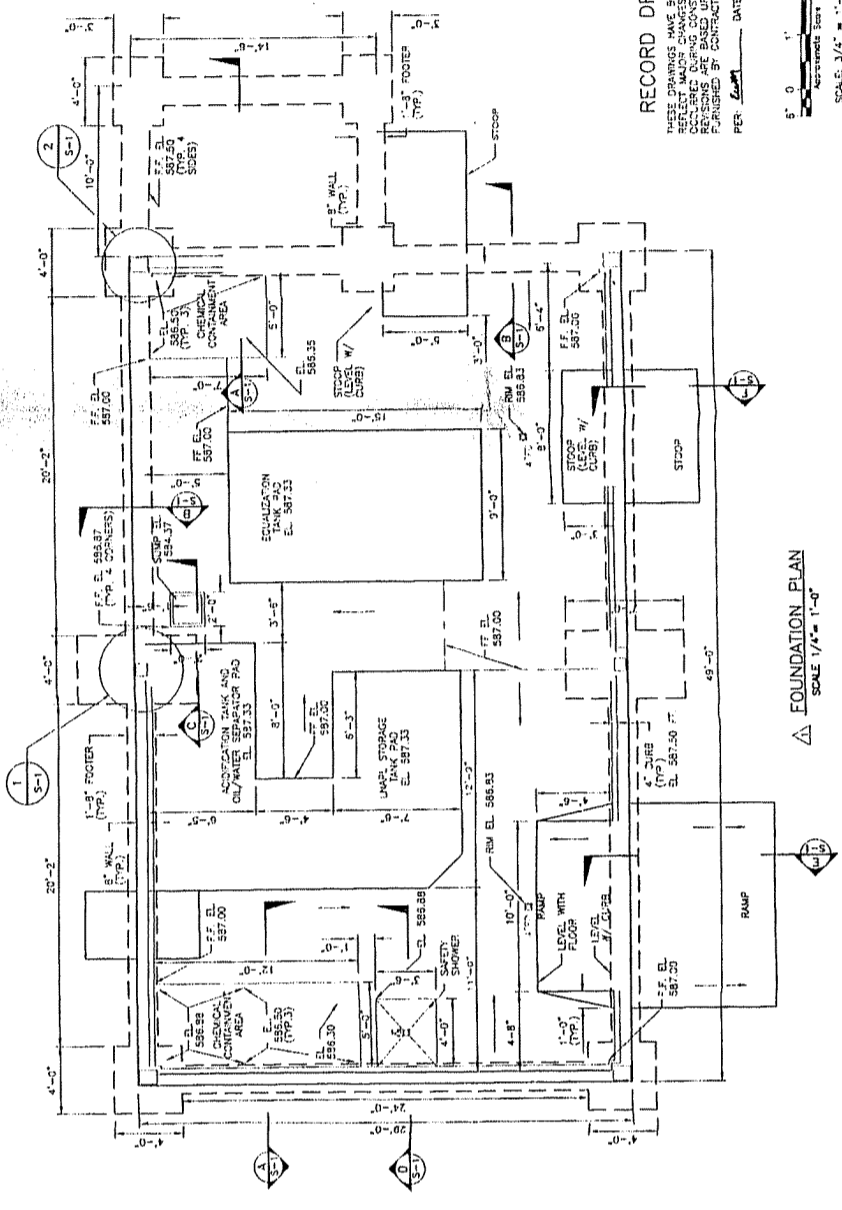


PARTIAL PLAN  
SCALE: 1\"/>

CHERRY FARM/RIVER ROAD REMEDIAL DESIGN		STRUCTURAL PLAN AND DETAILS		5-1	2
CHERRY FARM/RIVER ROAD		PRP GROUP		REV.	
PARSONS ENGINEERING SCIENCE, INC.		BUFFALO, NEW YORK			
(716) 633-7074		Date: 9/28/97			
Designed: JMS		Checked: JMS			
Approved: RJA		Rev: 2			
Final Issue for Construction: 11/22/97		Rev: 0			
Description: RECORD DRAWING		Rev: 1			

**RECORD DRAWING**  
 THESE DRAWINGS HAVE BEEN RECORDED TO REFLECT MAJOR CHANGES. IF ANY, WHICH ARE NOT SHOWN ON THESE DRAWINGS, CHANGES OR REVISIONS ARE BASED UPON INFORMATION FURNISHED BY CONTRACTOR.  
 PER:          DATE: 9/28/97

5'-0" = 1'-0"  
 AS SHOWN  
 SCALE: 3/4" = 1'-0"  
 1'-0" = 3'-0"  
 AS SHOWN  
 SCALE: 1/4" = 1'-0"







CHERRY FARM/RIVER ROAD REMEDIAL DESIGN  
DETAILS

CHERRY FARM/RIVER ROAD  
PPP GROUP

PARSONS  
ENGINEERING  
SCIENCE, INC.  
BUFFALO, NEW YORK  
(716) 633-7074

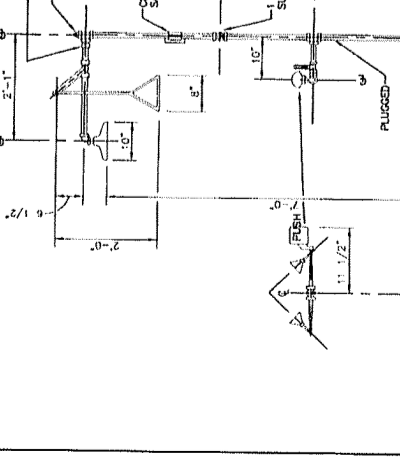
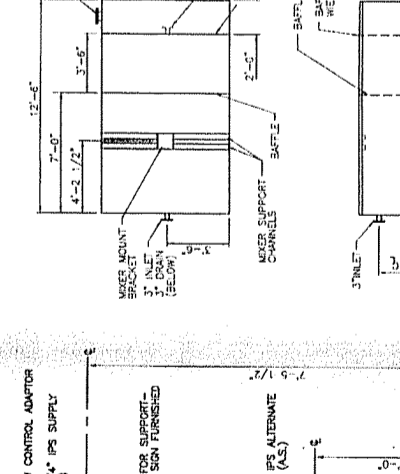
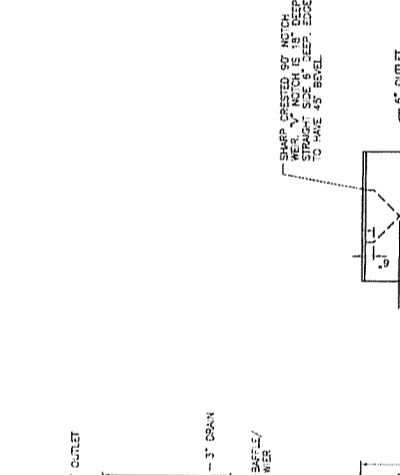
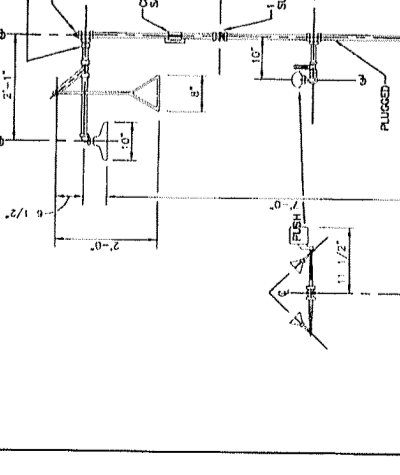
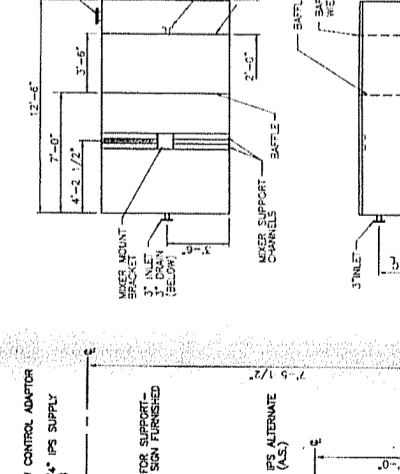
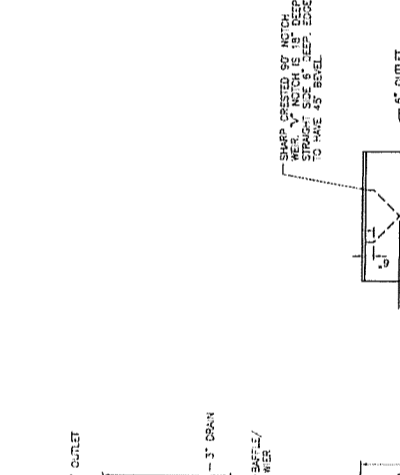
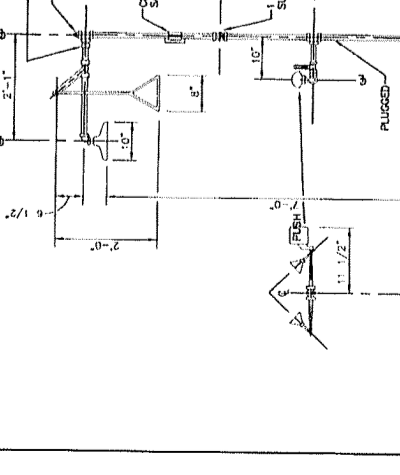
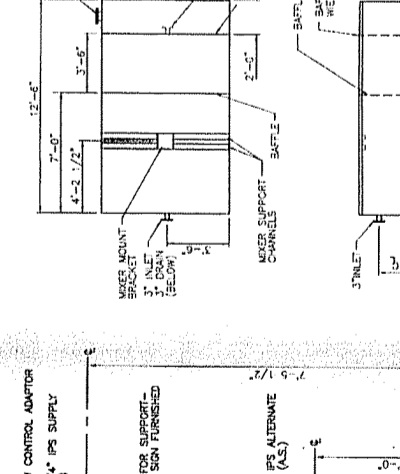
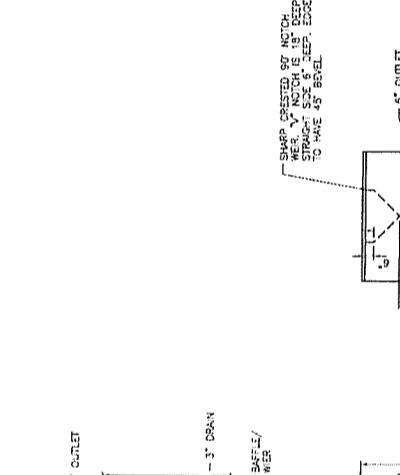
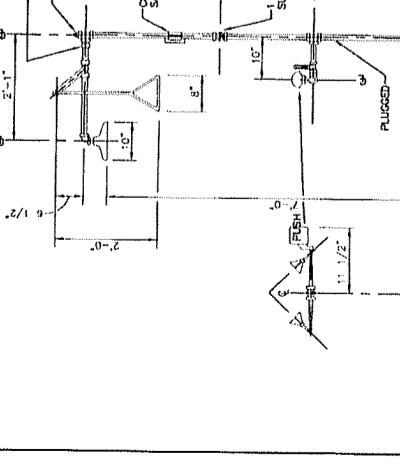
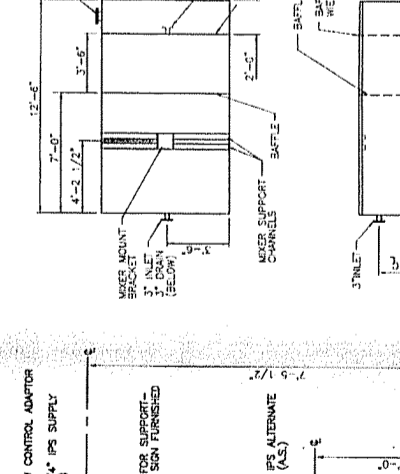
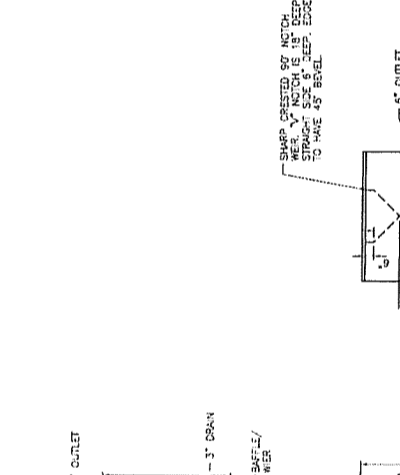
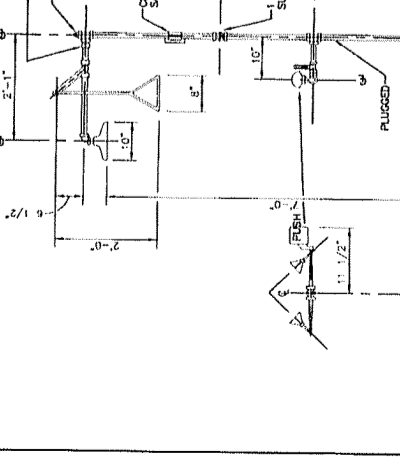
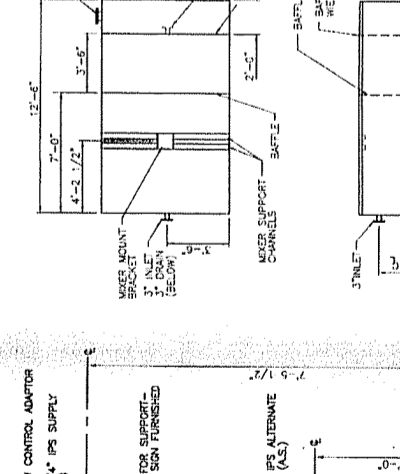
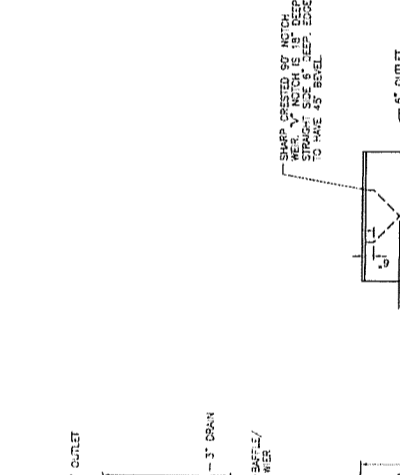
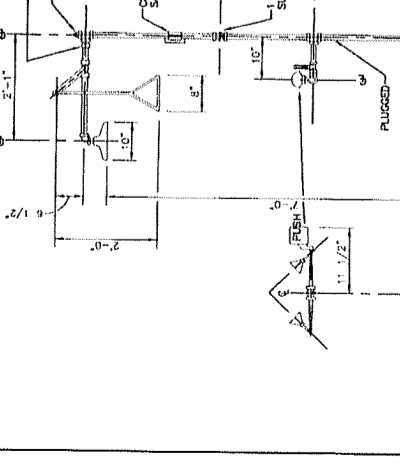
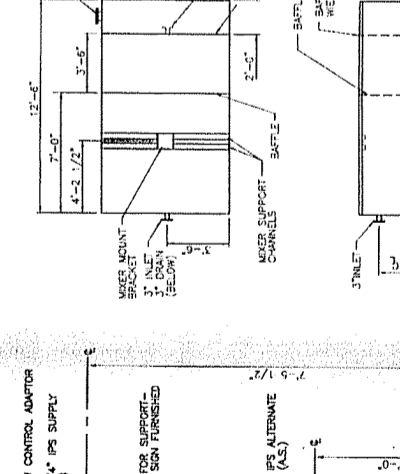
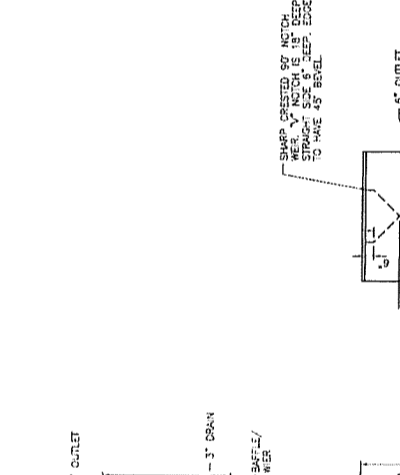
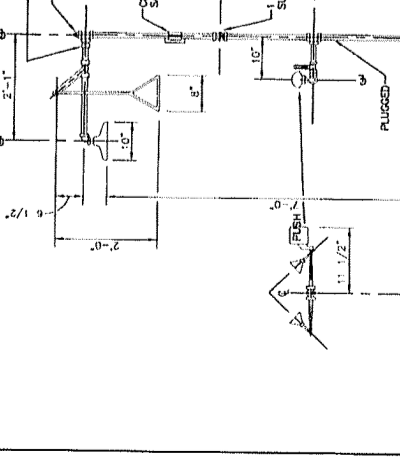
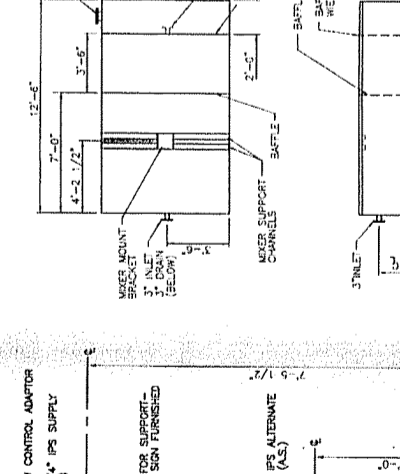
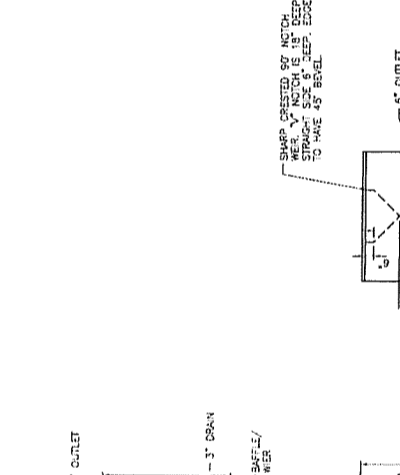
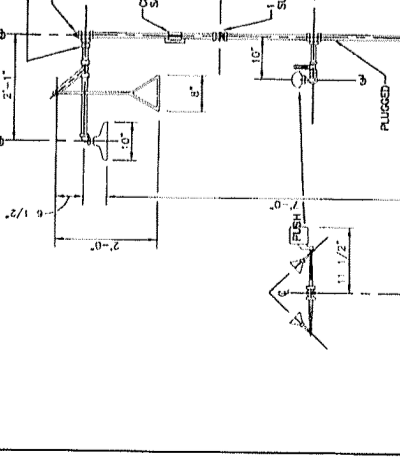
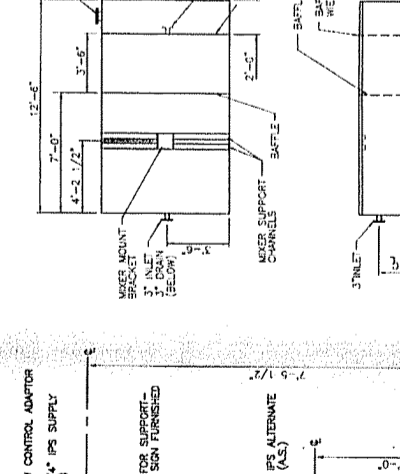
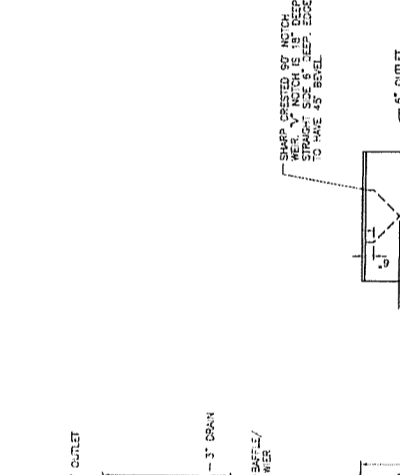
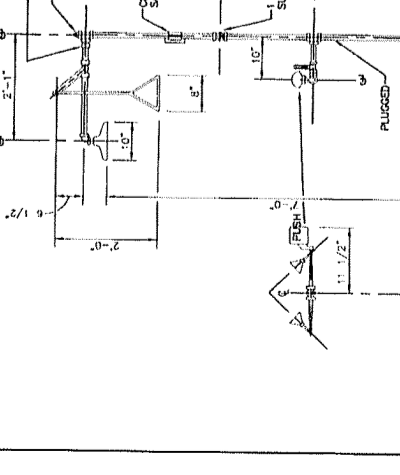
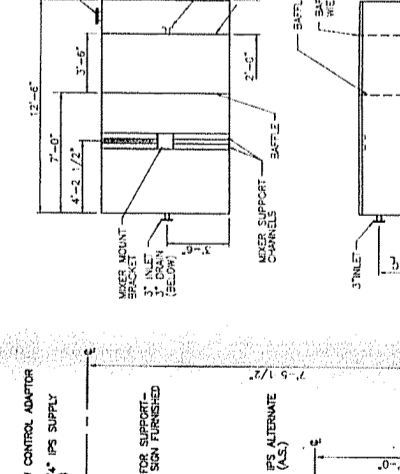
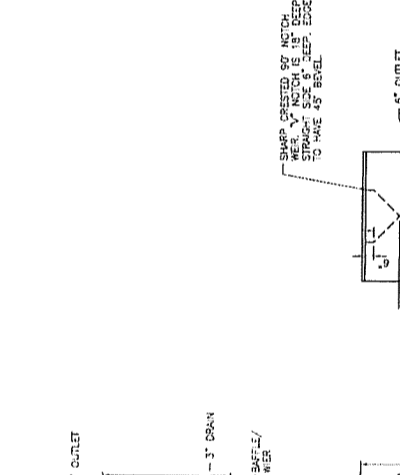
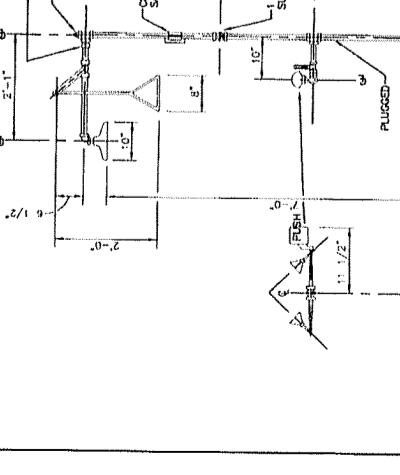
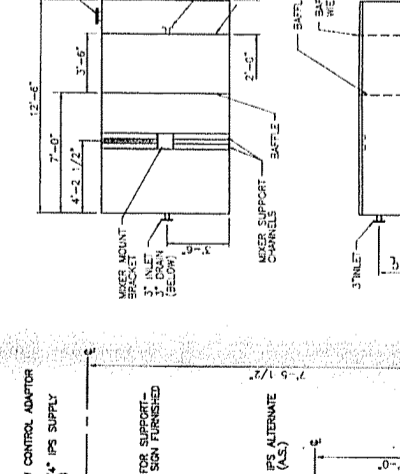
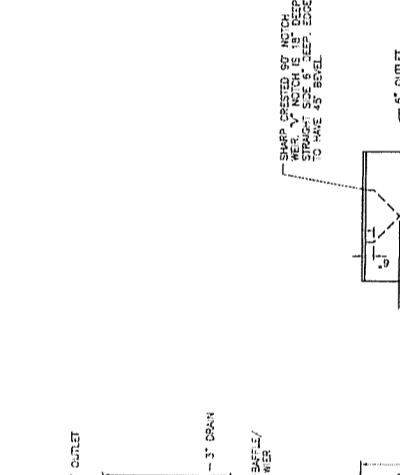
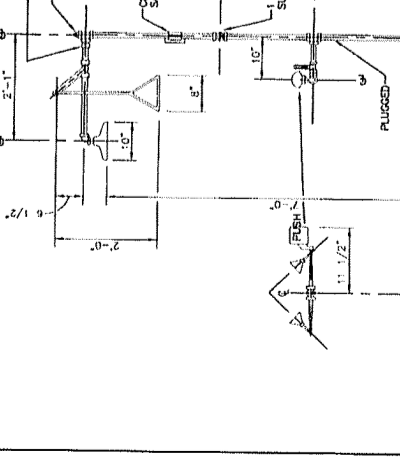
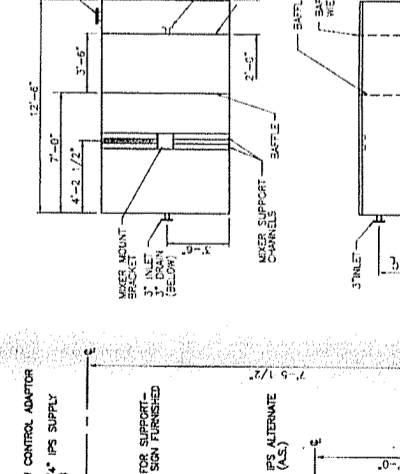
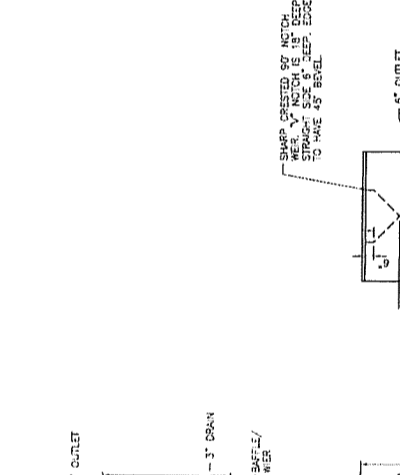
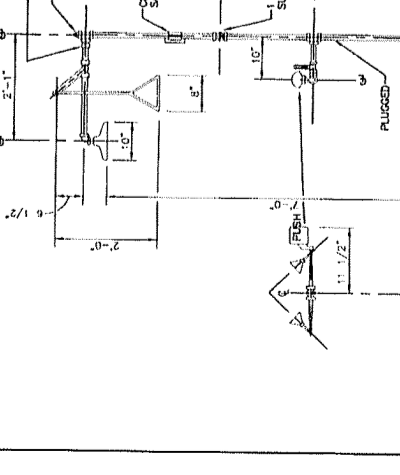
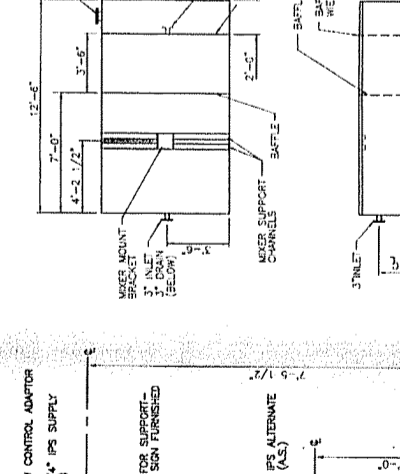
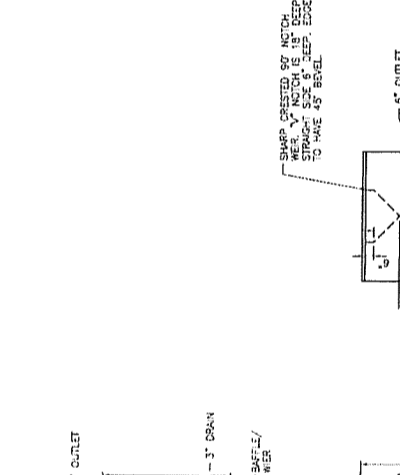
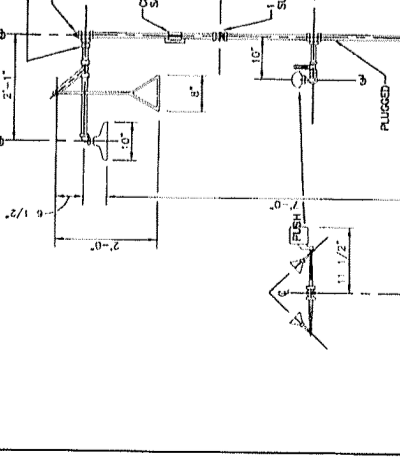
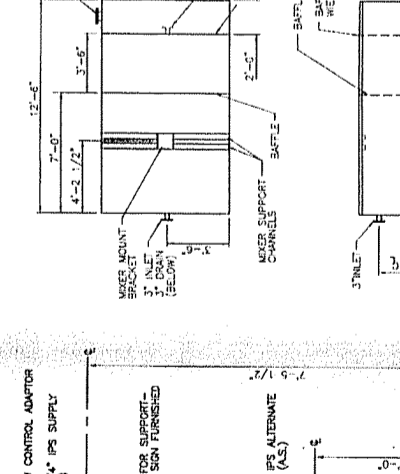
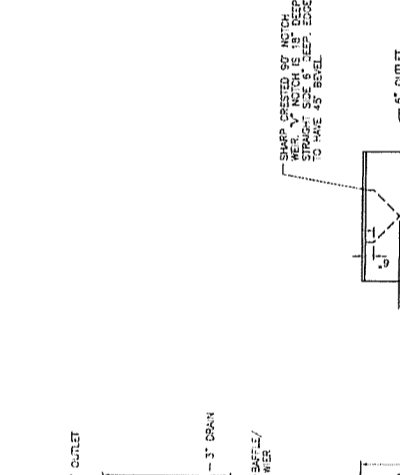
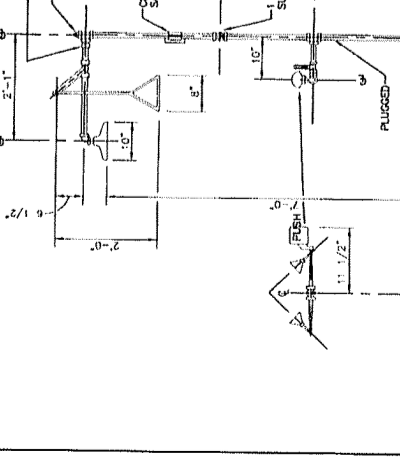
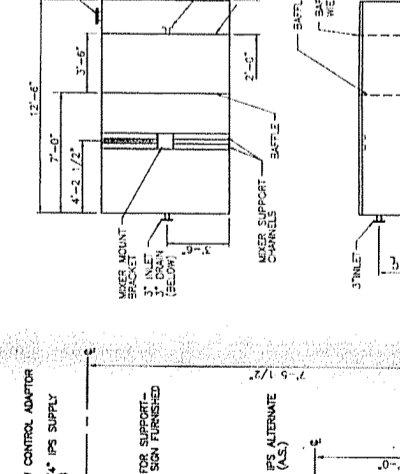
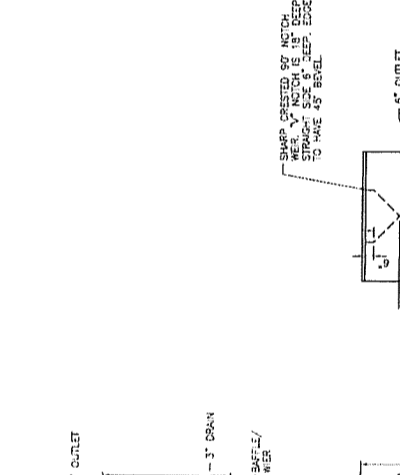
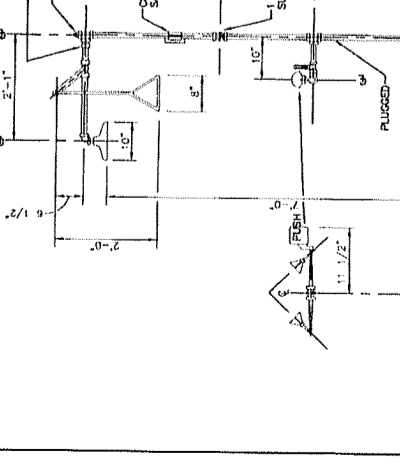
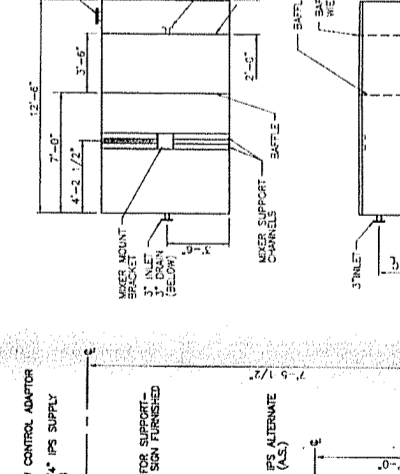
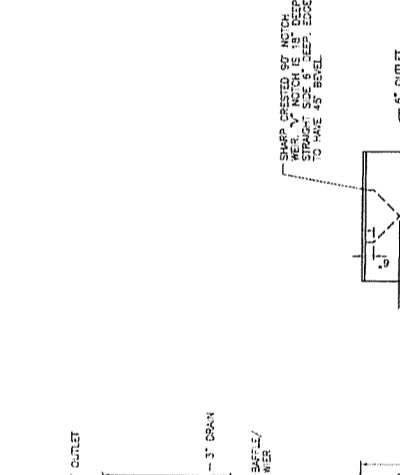
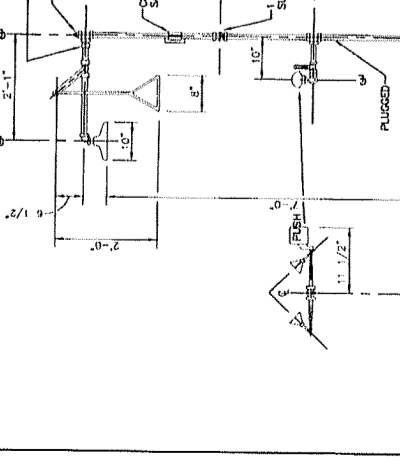
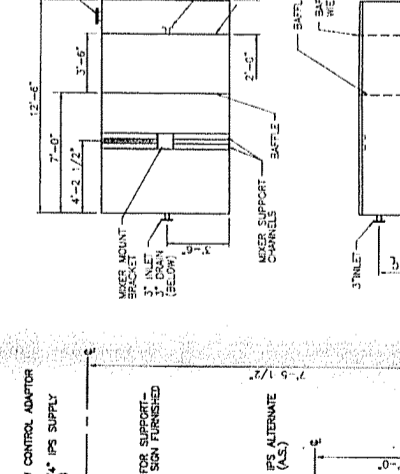
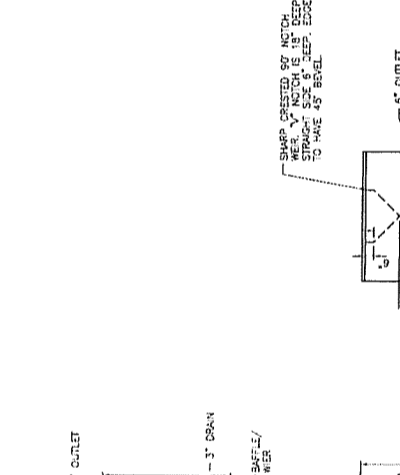
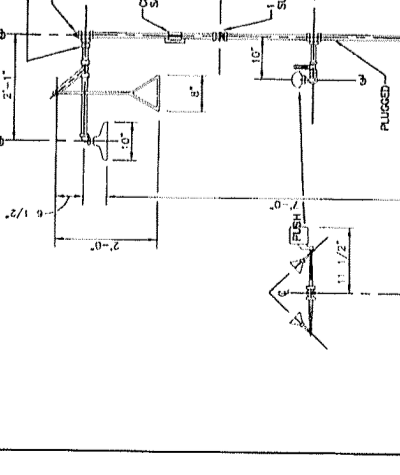
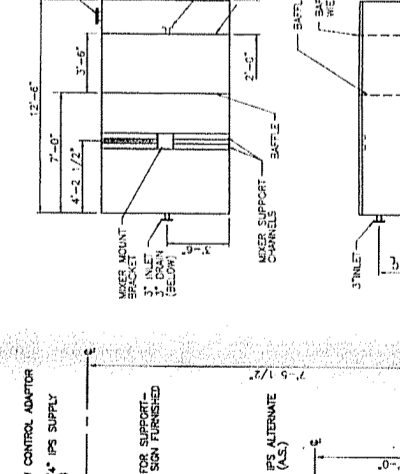
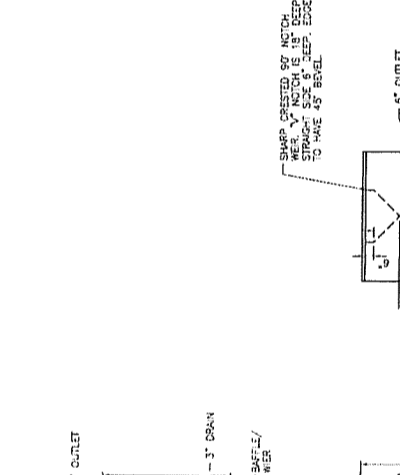
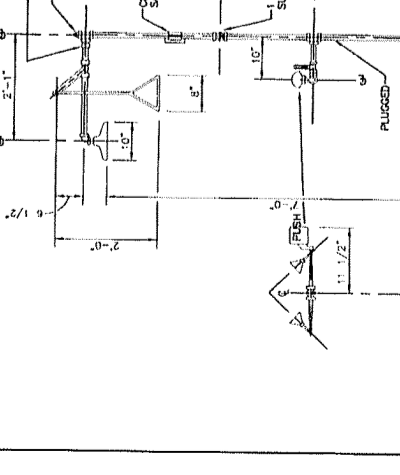
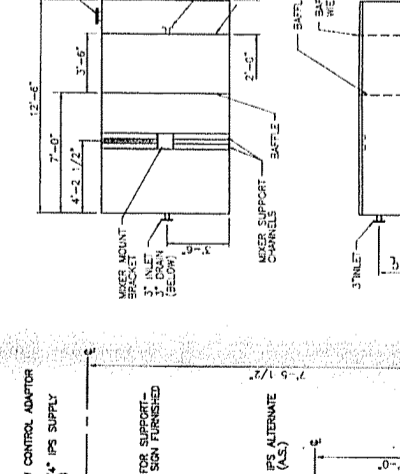
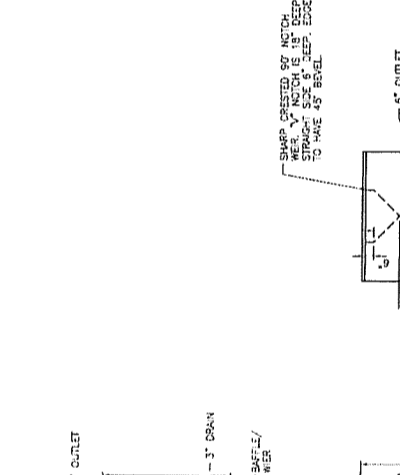
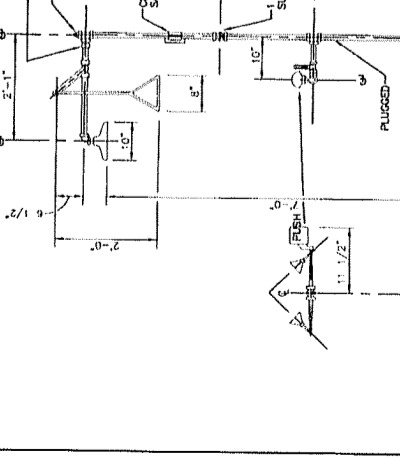
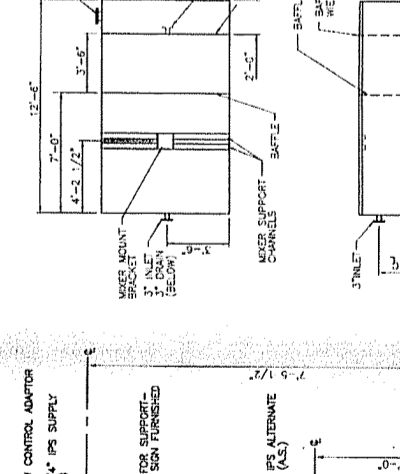
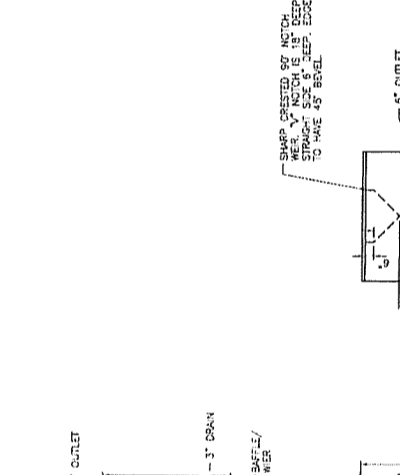
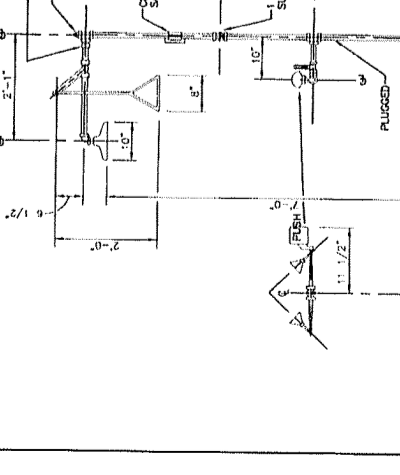
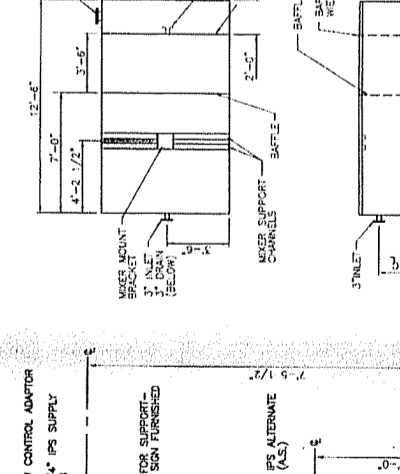
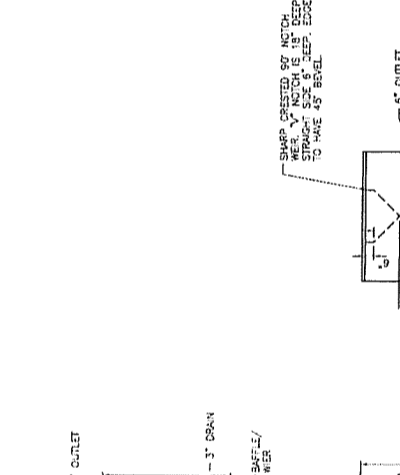
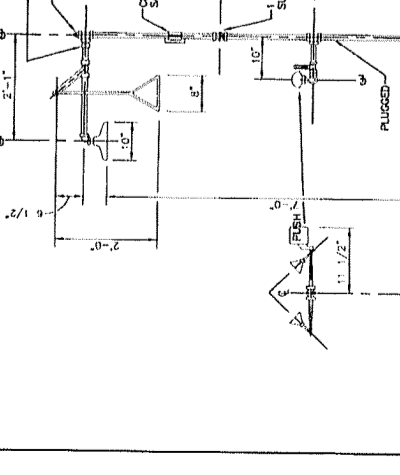
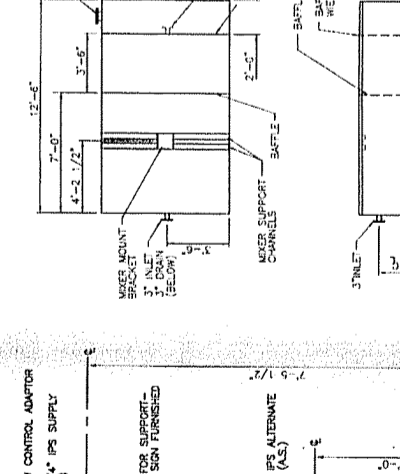
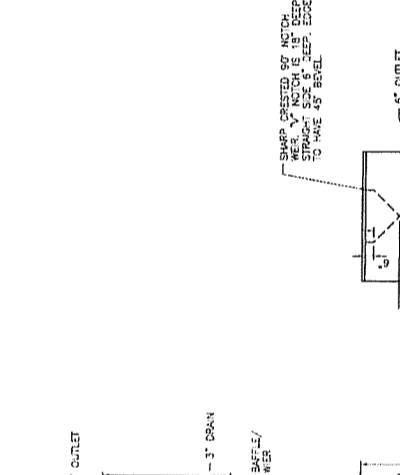
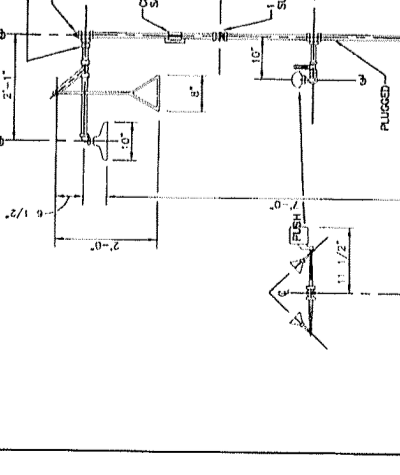
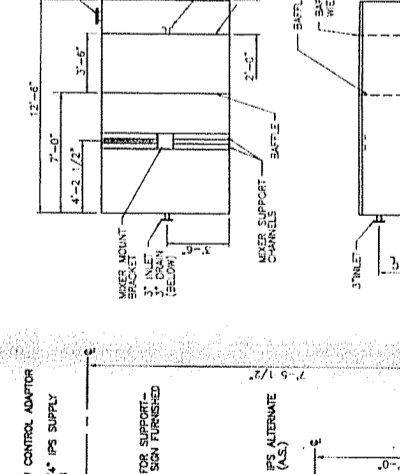
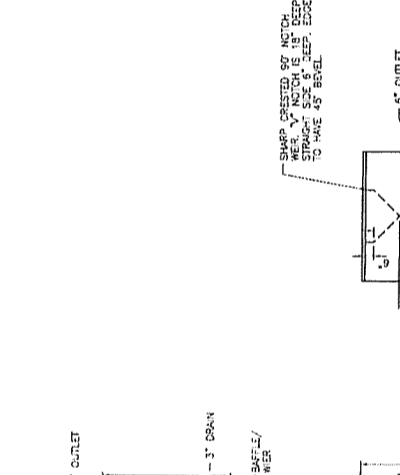
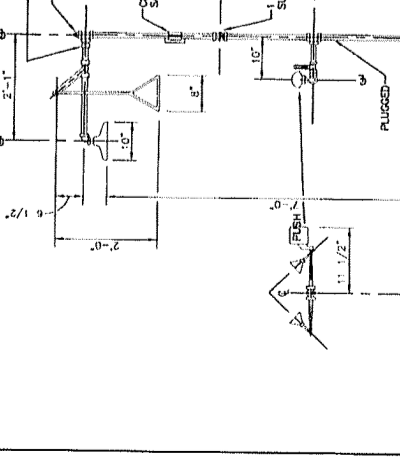
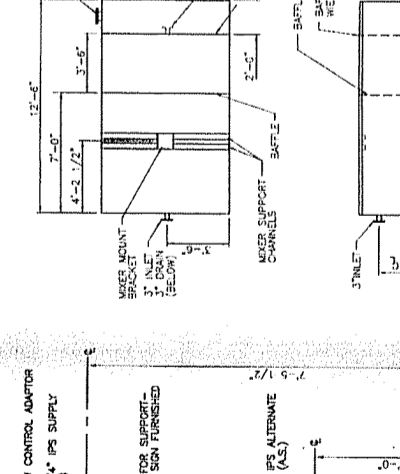
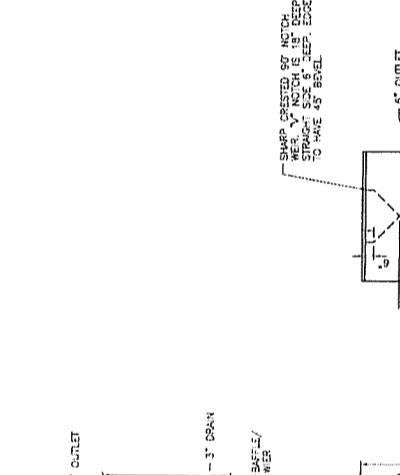
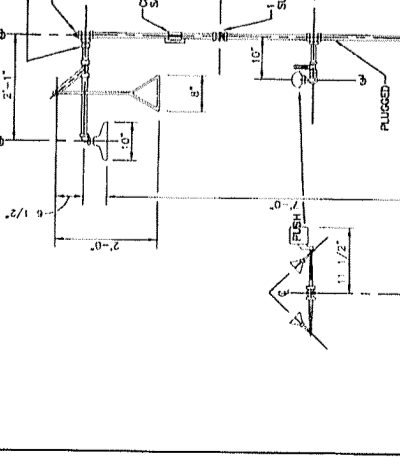
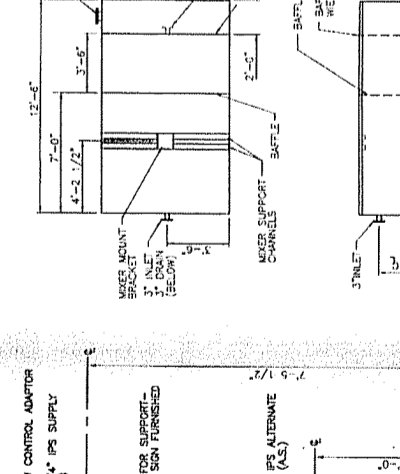
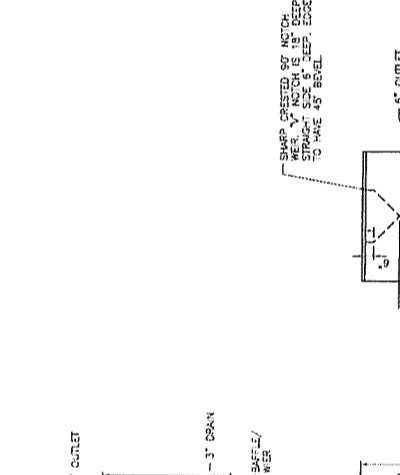
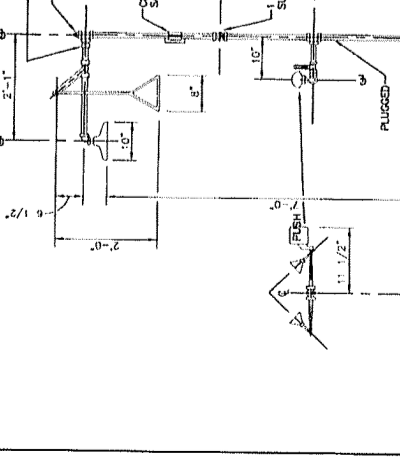
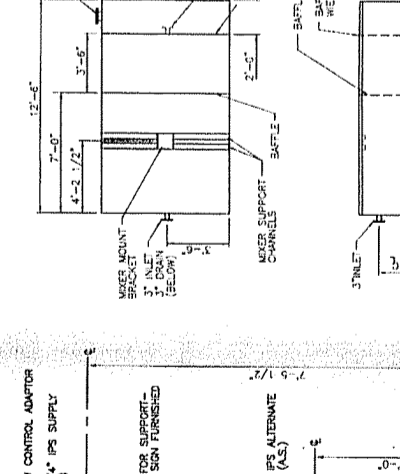
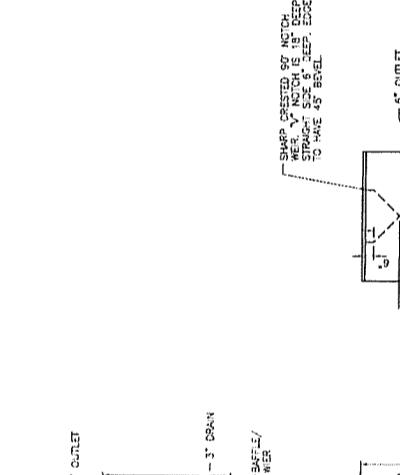
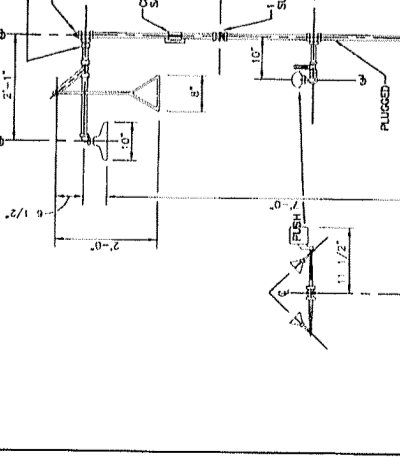
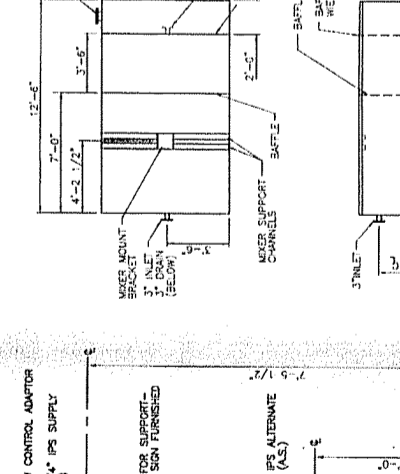
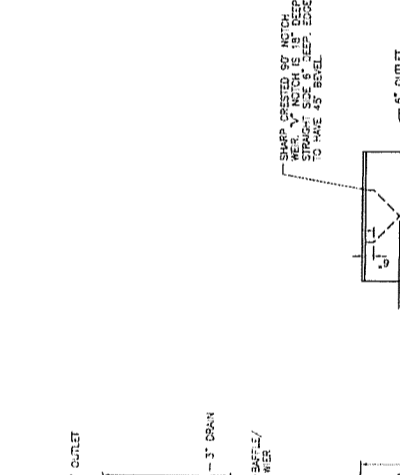
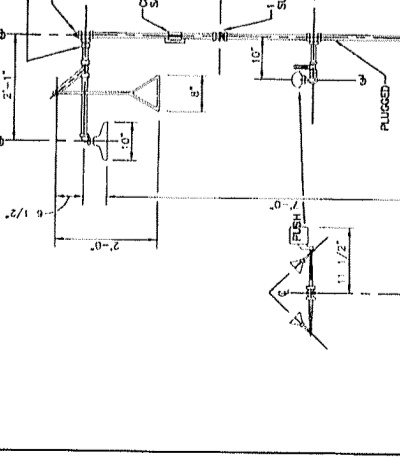
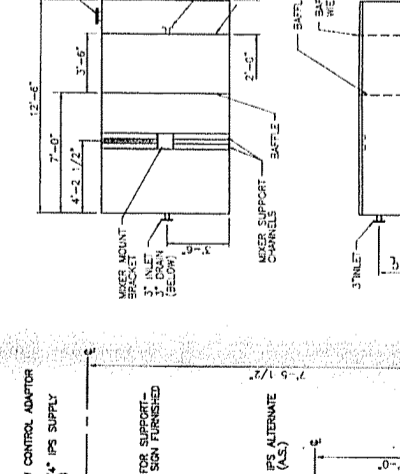
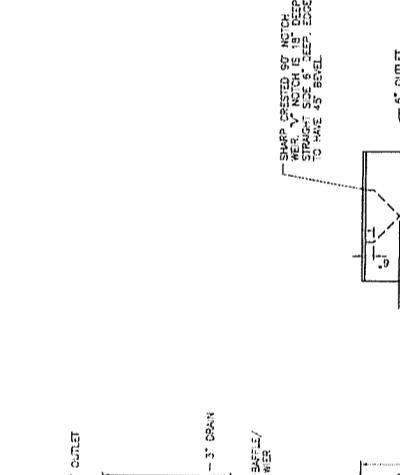
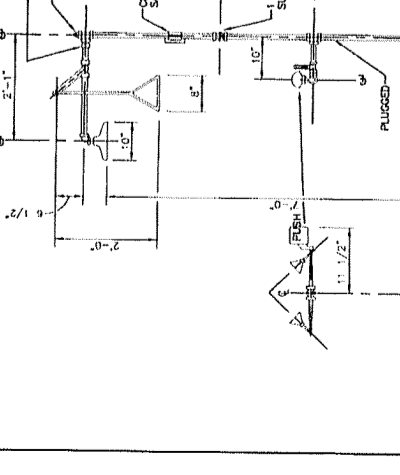
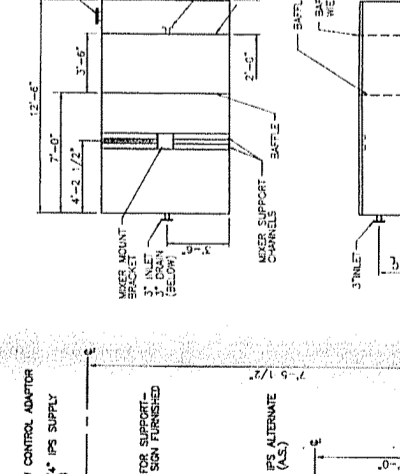
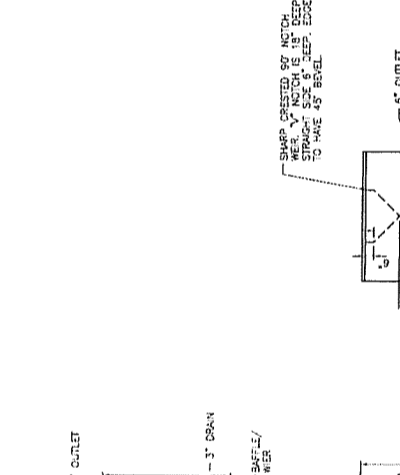
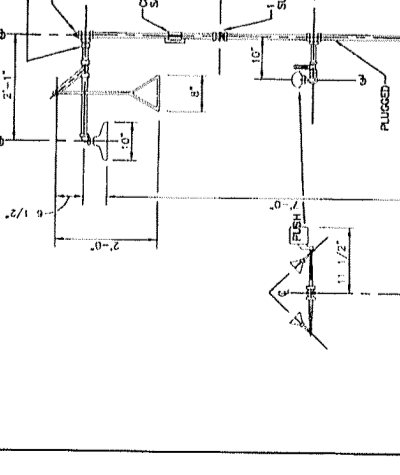
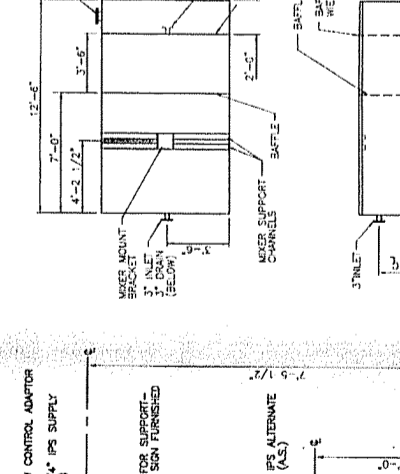
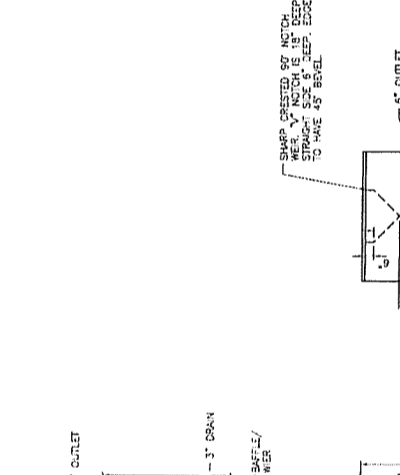
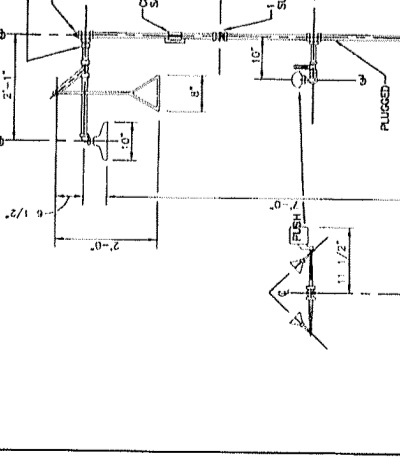
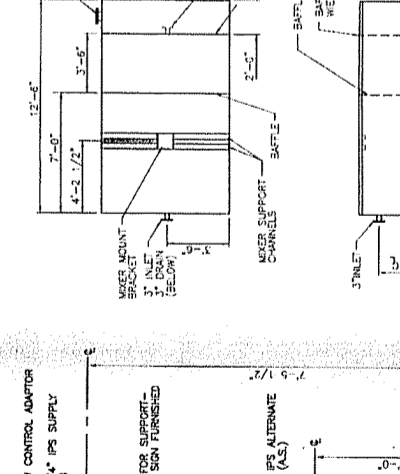
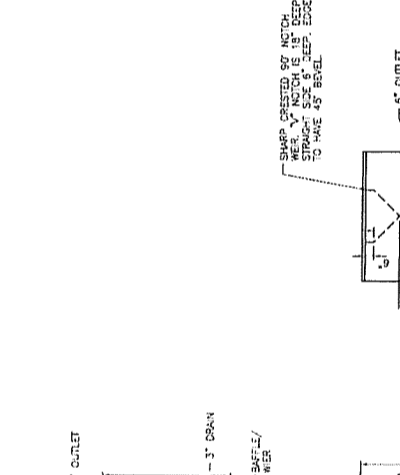
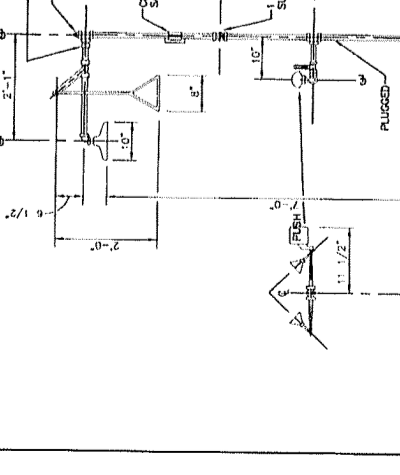
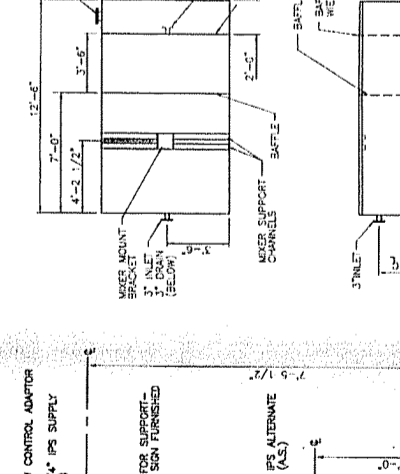
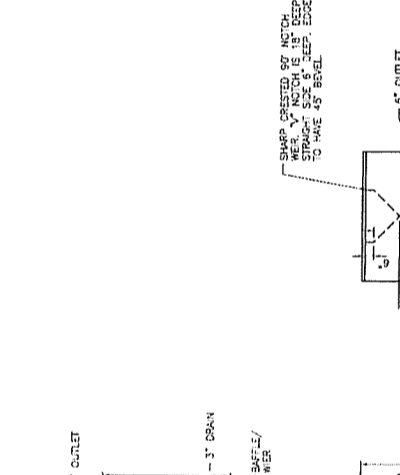
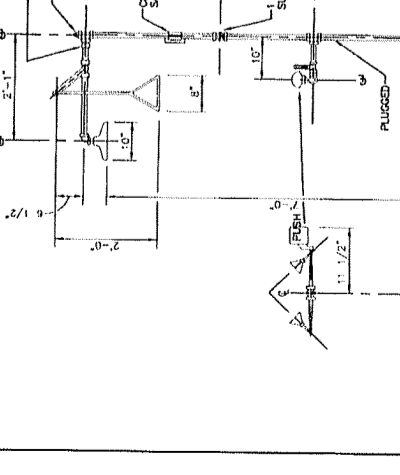
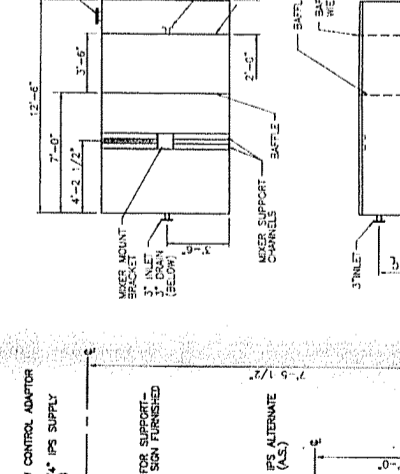
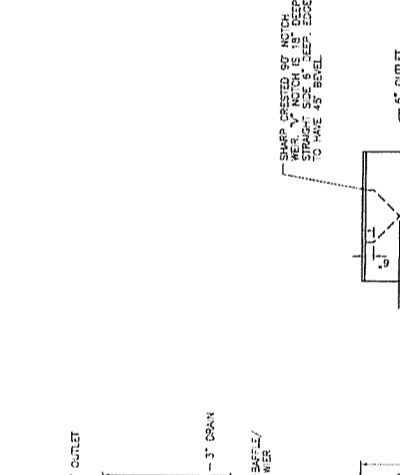
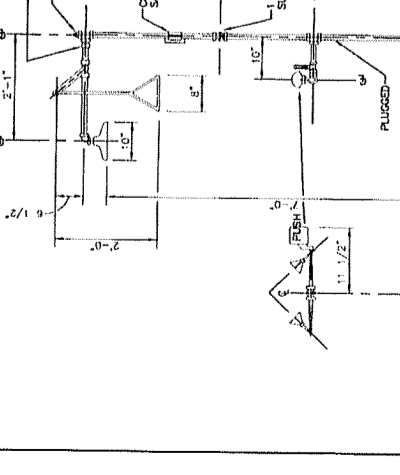
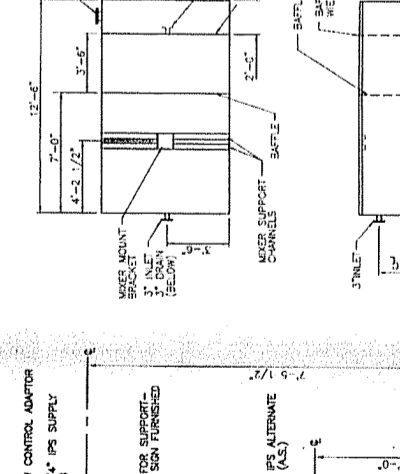
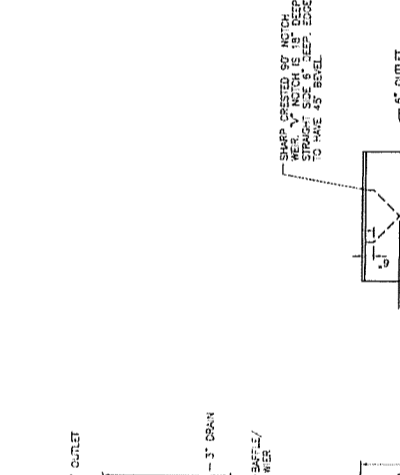
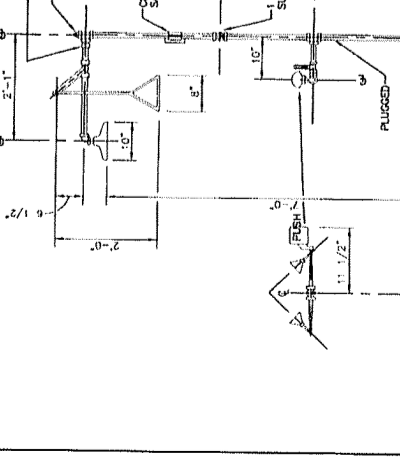
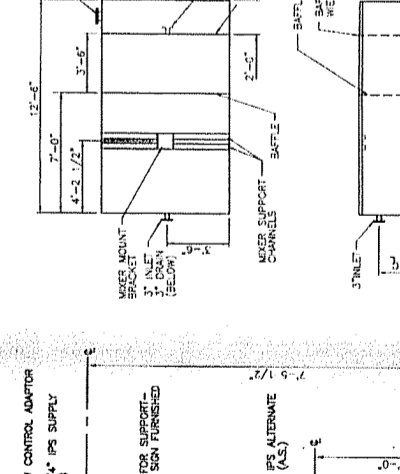
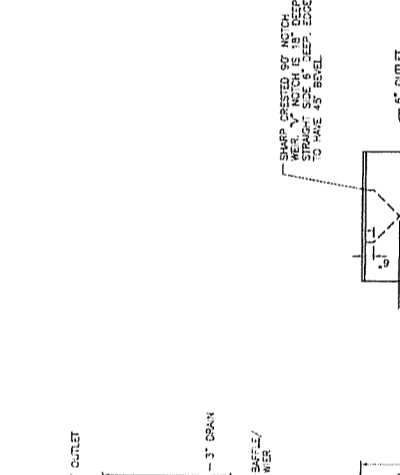
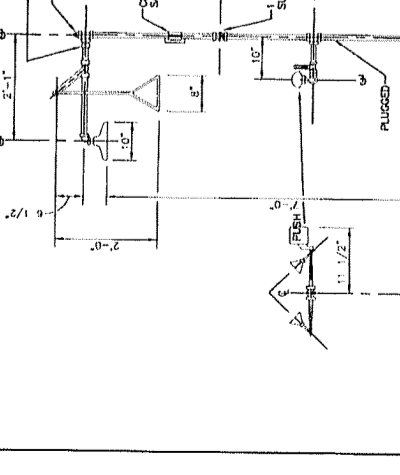
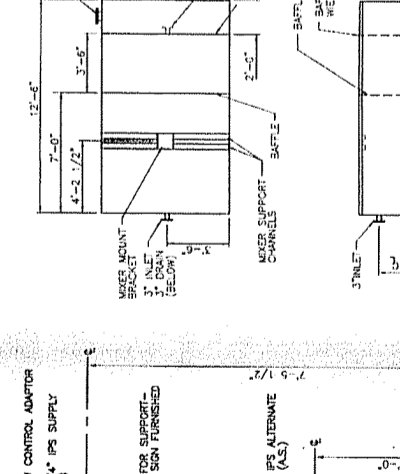
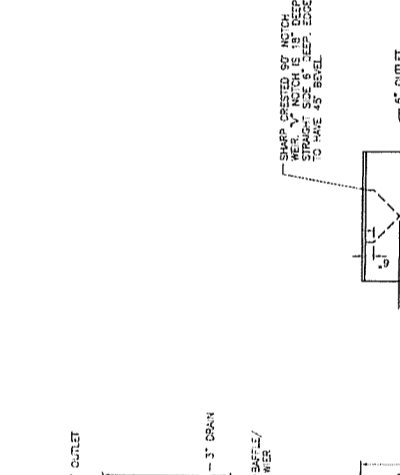
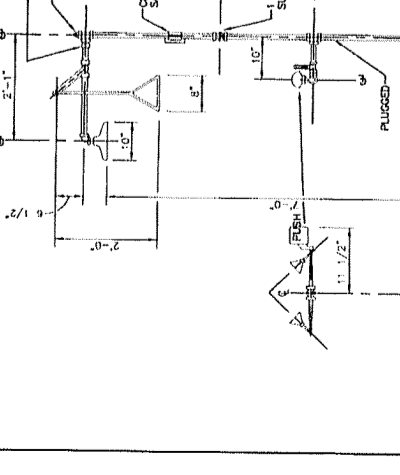
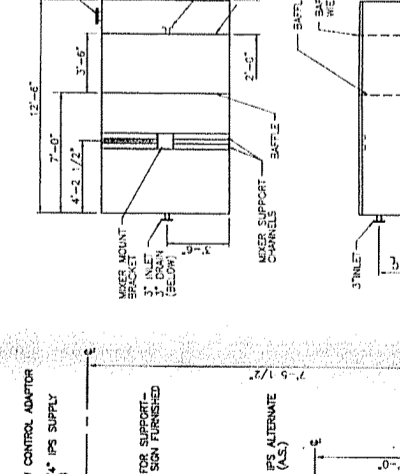
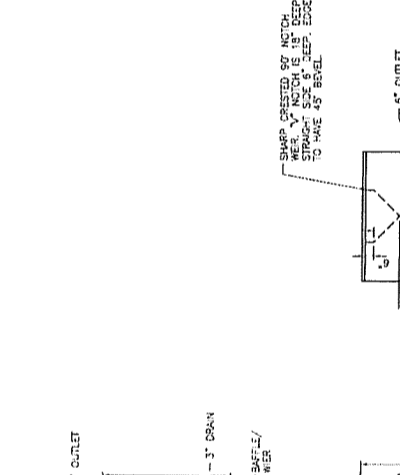
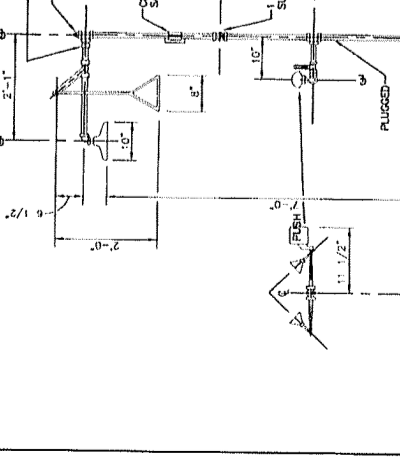
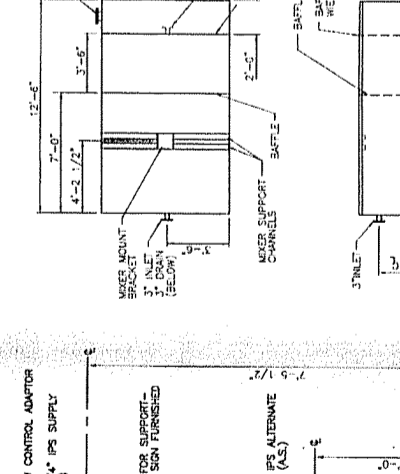
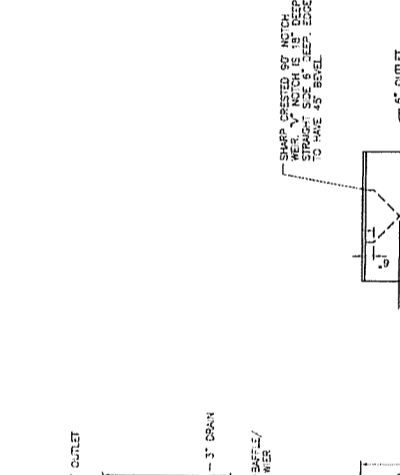
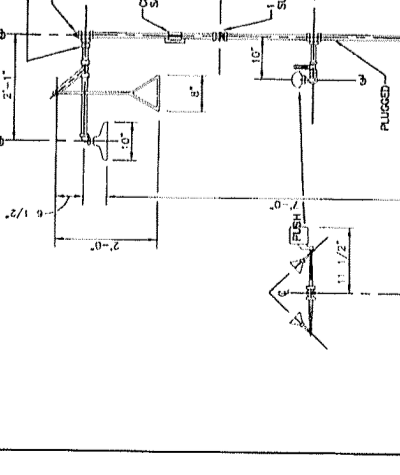
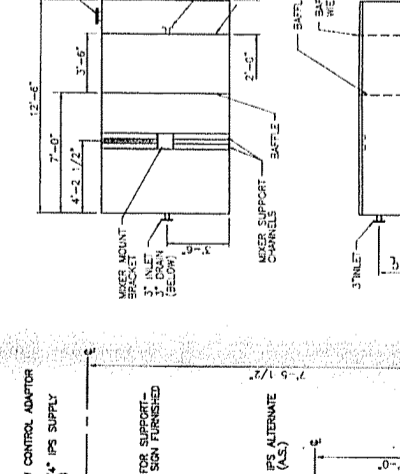
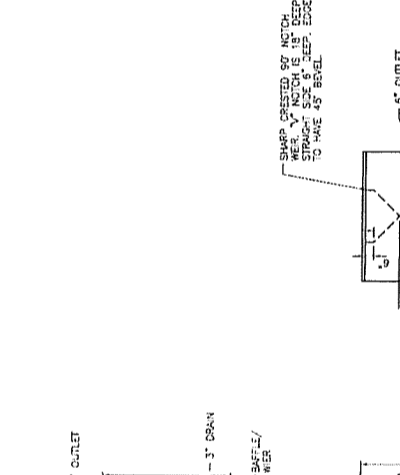
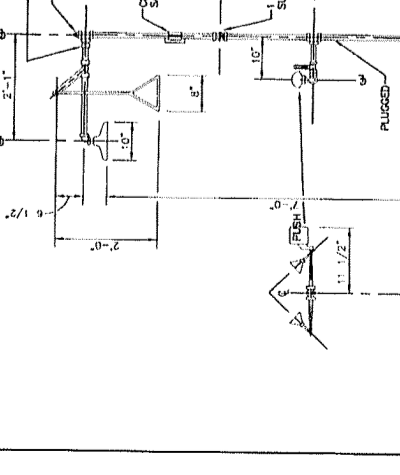
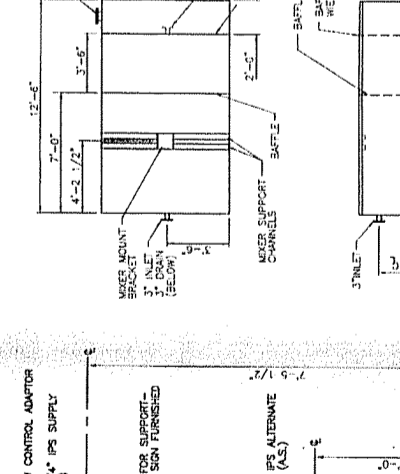
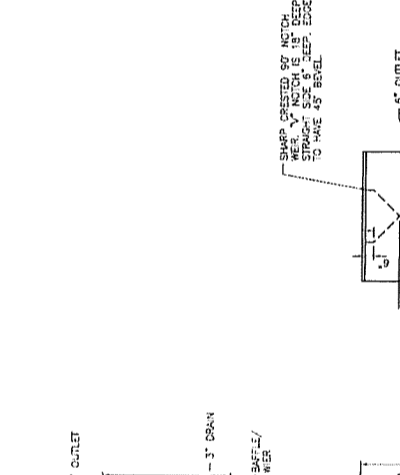
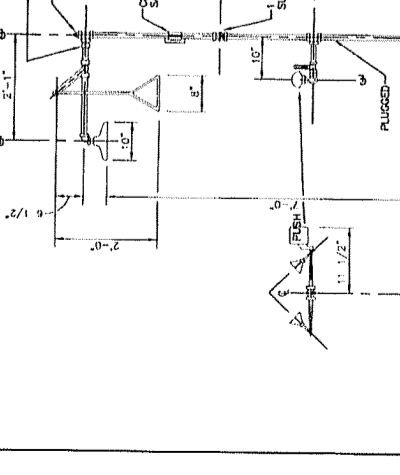
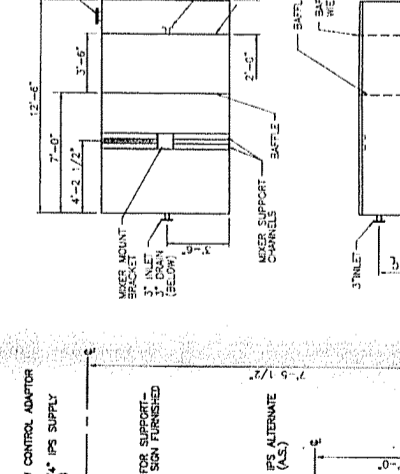
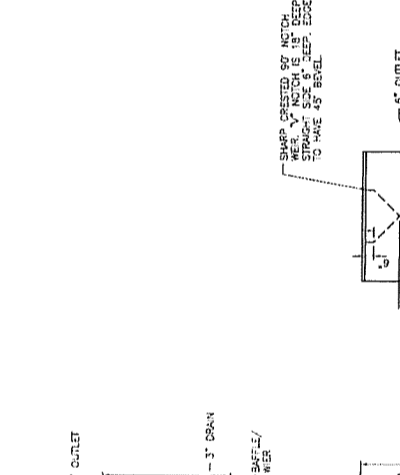
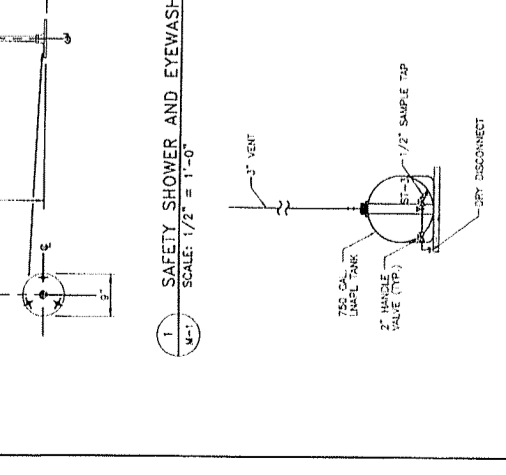
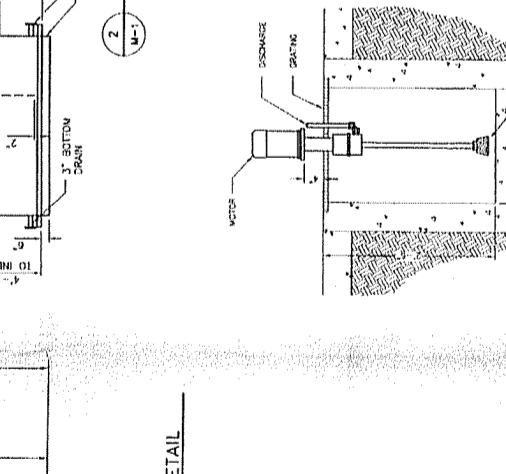
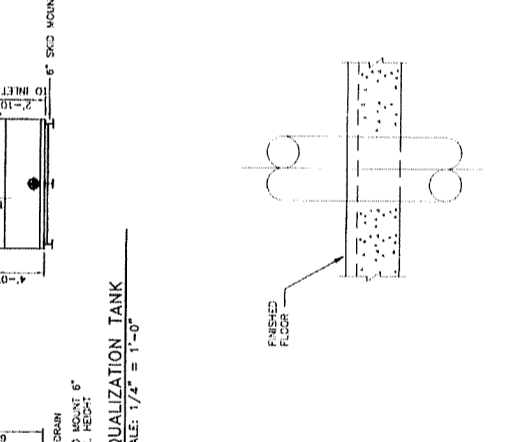
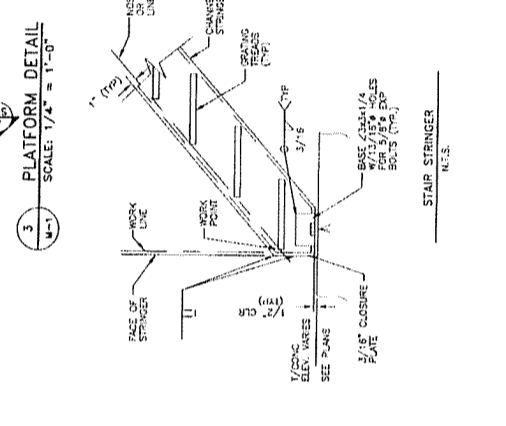
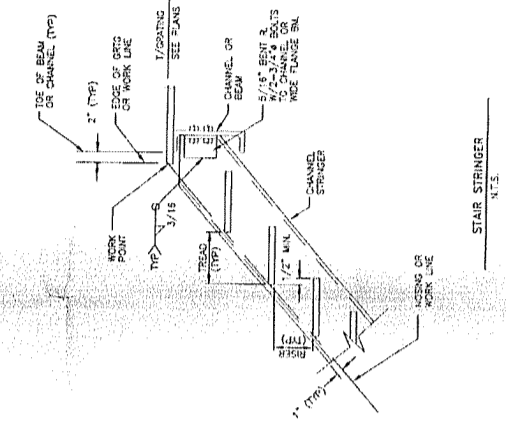
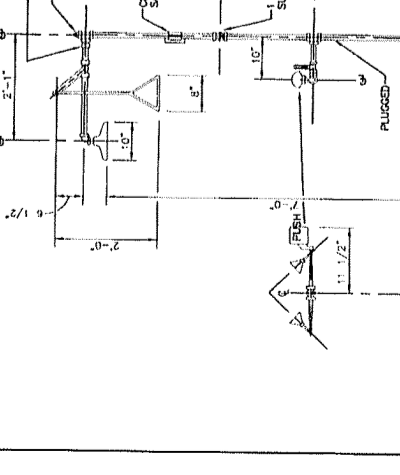
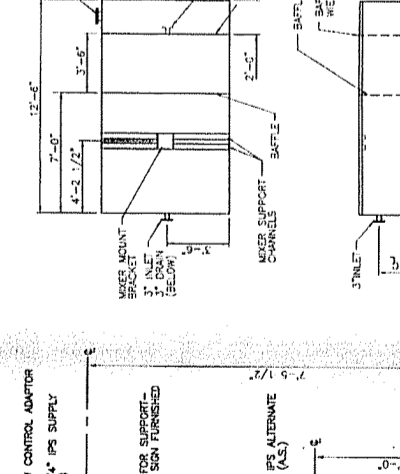
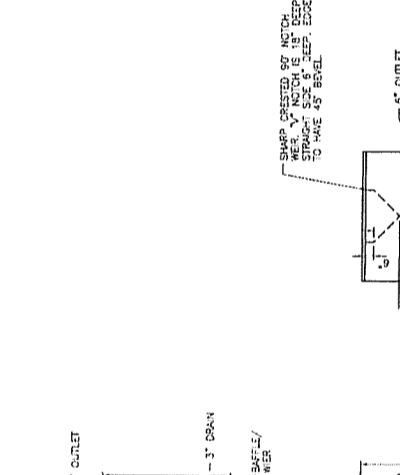
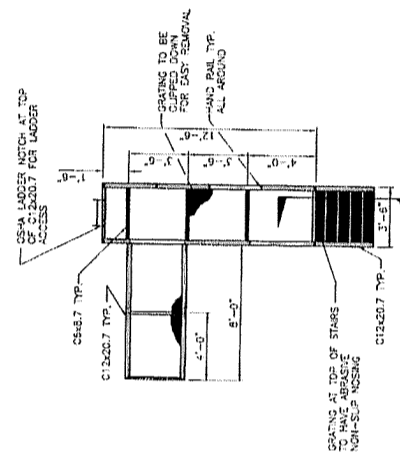
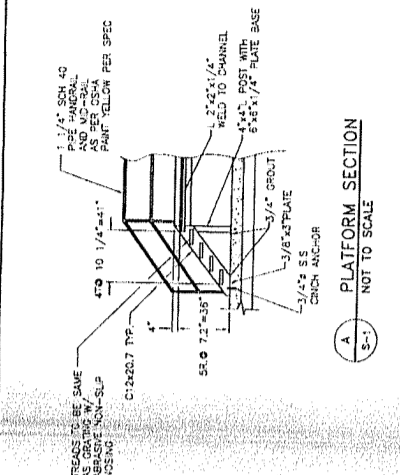
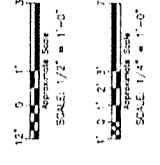


Job No. 226671  
Designed JGG  
Checked JMG  
Approved MJA  
Date 9/28/99

Rev	Date	Description
1	9/28/99	RECORD DRAWING
2	9/28/99	ADDED CARBON ADSORPTION SYSTEM
3	9/28/99	FINAL ISSUE FOR CONSTRUCTION

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RECORD DRAWING  
THESE DRAWINGS HAVE BEEN REVIEWED TO  
VERIFY ACCURACY OF DIMENSIONS AND  
CALCULATED DURING CONSTRUCTION. THE  
DIMENSIONS ARE BASED UPON INFORMATION  
FURNISHED BY CONTRACTOR.  
PER: EAWMA DATE: 9/28/99





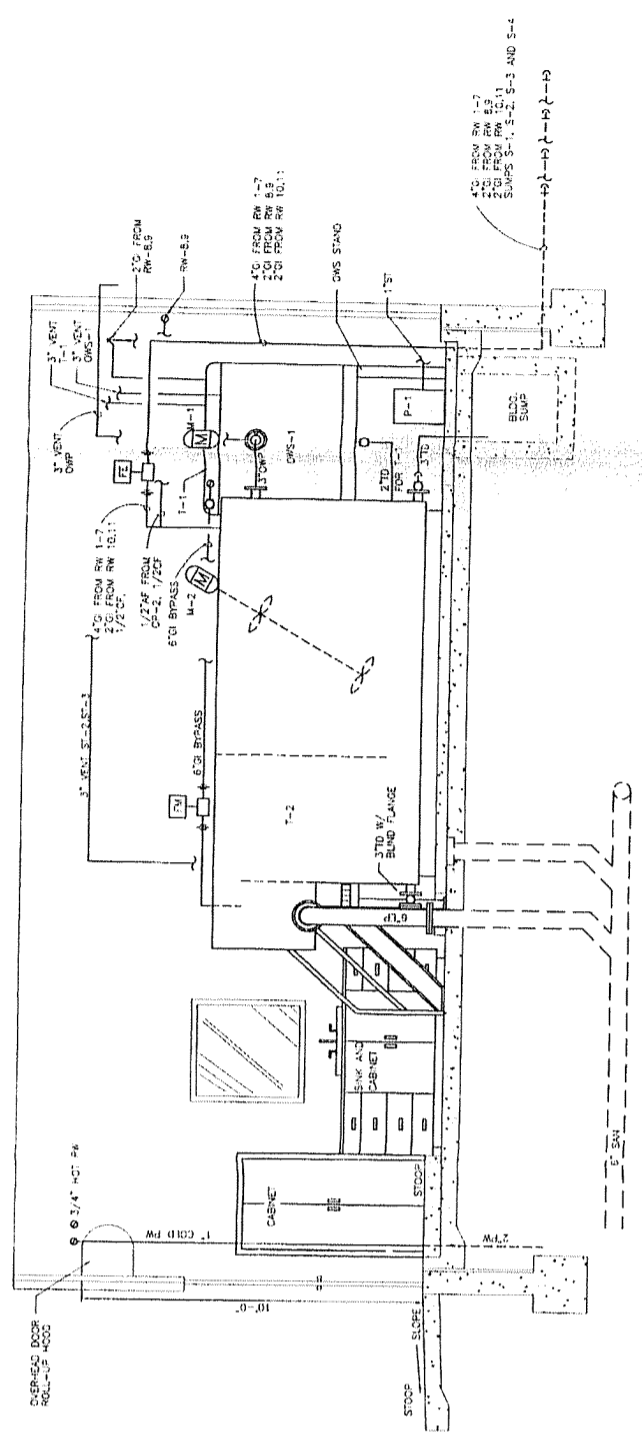
Job No.	228671
Designed	JSB
Drawn	CLC
Checked	AKC
Approved	JMK/MP
Date	9/28/99

Rev.	Description
0	12/27/95 RECORD DRAWING
1	9/28/99 FINAL ISSUE FOR CONSTRUCTION

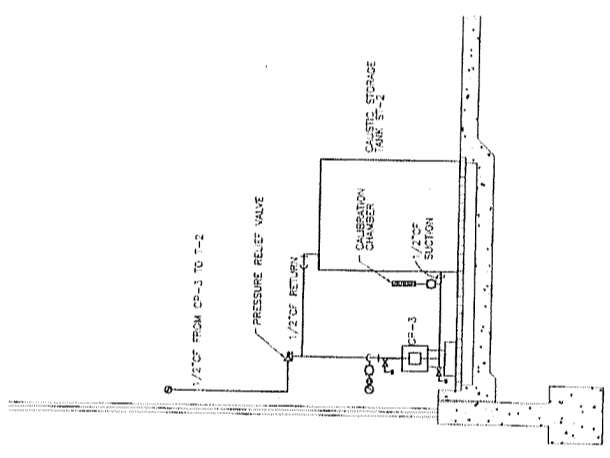
It is a condition of the contract that the contractor shall be responsible for the accuracy of the information furnished by him to the engineer. The engineer's responsibility is limited to the design of the remedial system and the preparation of the drawings therefrom. The contractor shall be responsible for the accuracy of the information furnished by him to the engineer. The engineer's responsibility is limited to the design of the remedial system and the preparation of the drawings therefrom.



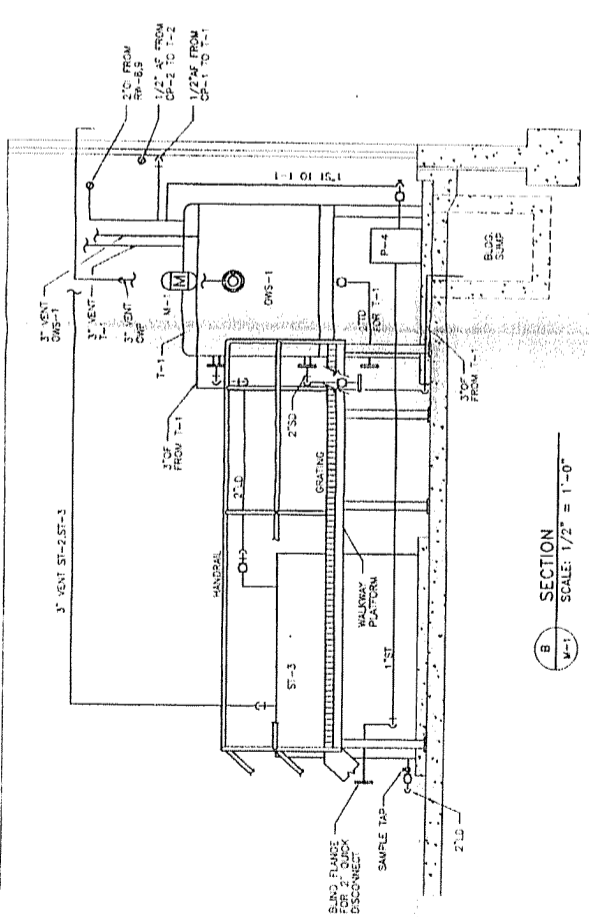
RECORD DRAWING  
THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE LATEST REVISIONS. ANY REVISIONS MADE TO THESE DRAWINGS SHALL BE BASED UPON REVISIONS PUBLISHED BY THE CONTRACTOR.  
REV. 5/23/99 DATE: 5/23/99



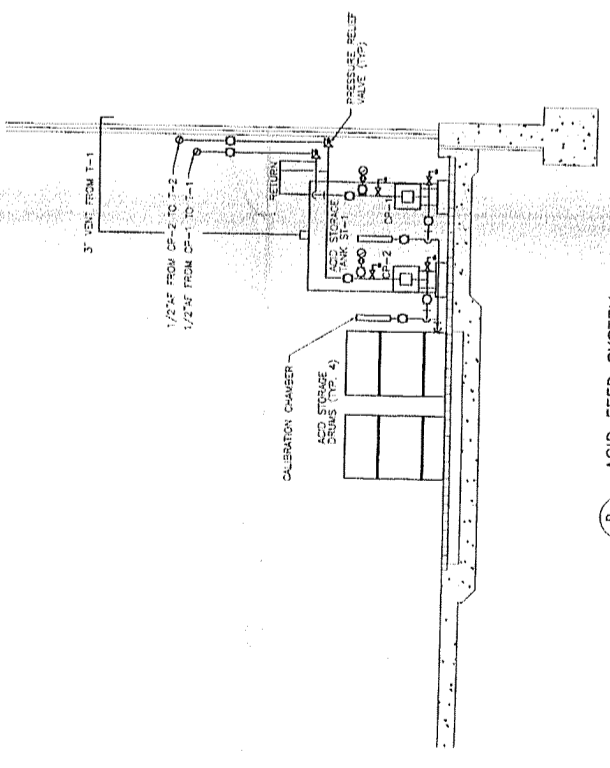
SECTION C  
SCALE: 1/2" = 1'-0"



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



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



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











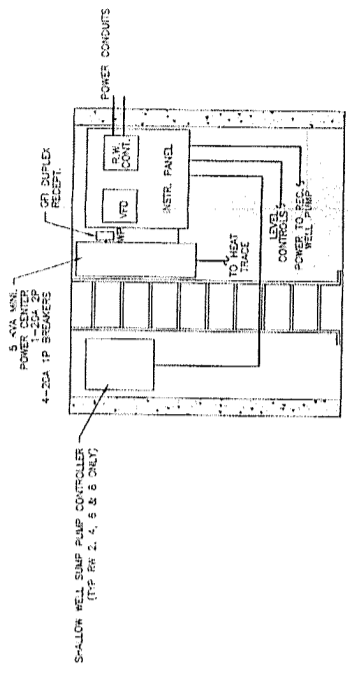


Rev	Date	Description
2	9/28/94	RECORD DRAWING
1	01/29/94	FINAL DESIGN FOR CONSTRUCTION
0	12/19/93	PRELIMINARY DESIGN FOR CONSTRUCTION

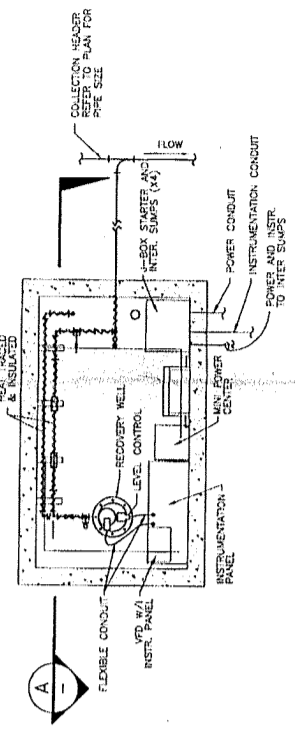
Prepared by: MJA  
 Checked by: MJA  
 Drawn by: JIS  
 Design Group: JIS  
 Job No.: 220871  
 Title: Cherry Farm/River Road Remedial Design

IT IS A CONDITION OF NEW YORK STATE LAW AND REGULATION THAT ANY ENGINEER OR ARCHITECT REGISTERED IN THIS STATE SHALL SIGN AND SEAL ANY DRAWING OR SPECIFICATION FOR WHICH HE OR SHE IS RESPONSIBLE AND BE SUBJECT TO THE PENALTIES OF THE PROFESSIONAL ENGINEERING AND ARCHITECTURE ACT AND TO THE PENALTIES OF THE PROFESSIONAL ENGINEERING AND ARCHITECTURE BOARD.

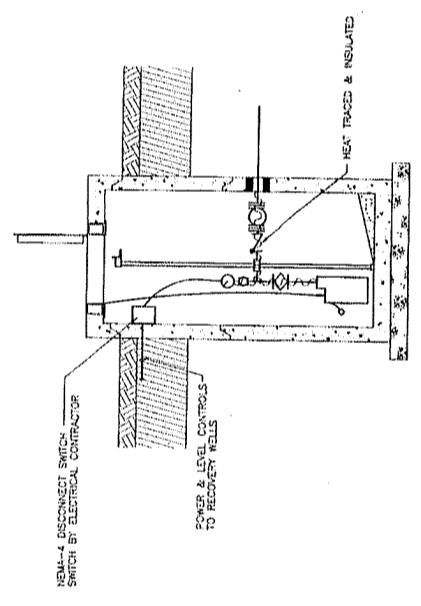
RECORD DRAWING  
 THESE DRAWINGS HAVE BEEN PREPARED TO REFLECT MAJOR CHANGES IF ANY, WHICH WERE MADE DURING THE CONSTRUCTION PERIOD. REVISIONS ARE BASED ON INFORMATION FURNISHED BY CONTRACTOR.  
 PEE: SWM DATE: 9/28/94



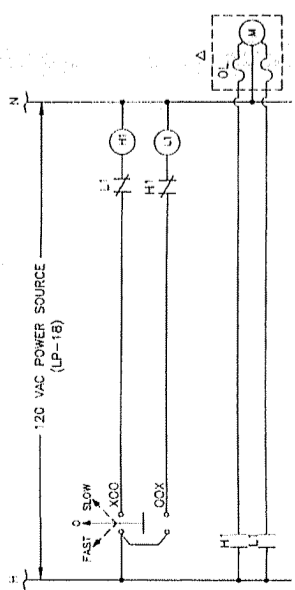
ELEVATION  
SCALE: 1/2" = 1'-0"



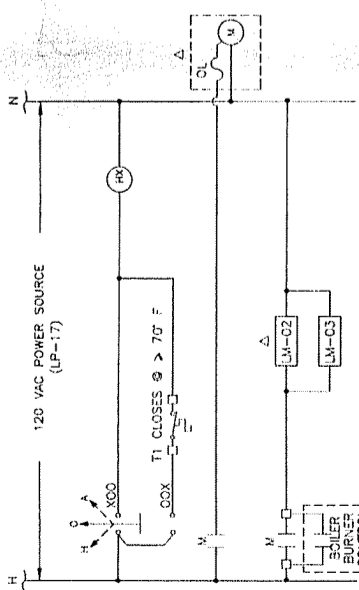
RECOVERY WELL AND VAULT  
SCALE: 1/2" = 1'-0"



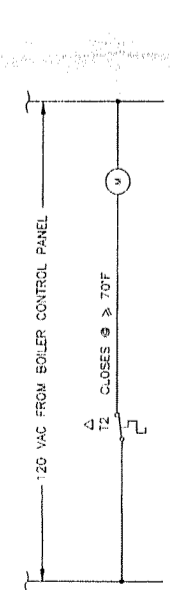
SHALLOW INTERCEPTOR TRENCH SUMP  
SCALE: 1/2" = 1'-0"



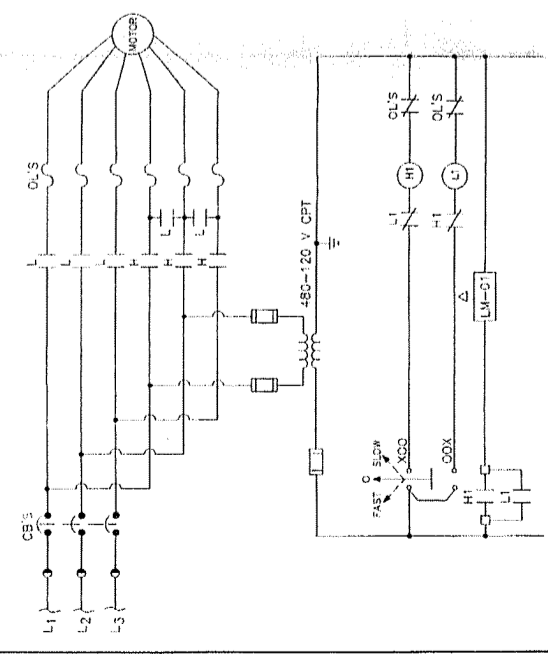
EXHAUST FAN NO. 1 (EF-1)



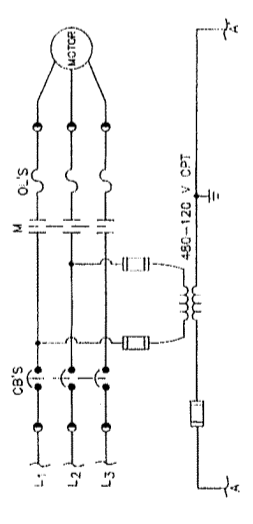
EXHAUST FAN NO. 2 (EF-2)



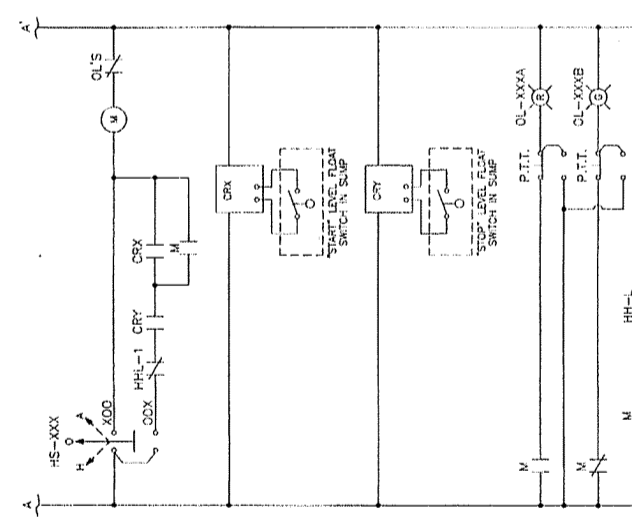
THERMOSTAT CONTROL FOR HOT WATER CIRCULATING PUMP



H & V UNIT NO. 1 CONTROL

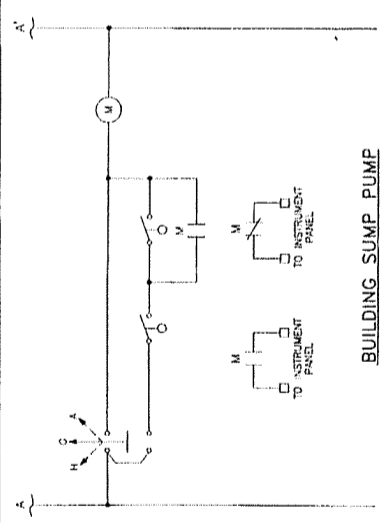


TYPICAL CONTROL CIRCUIT SUPPLY FOR NON-REVERSING, SINGLE SPEED 480V, 3Ø MOTOR

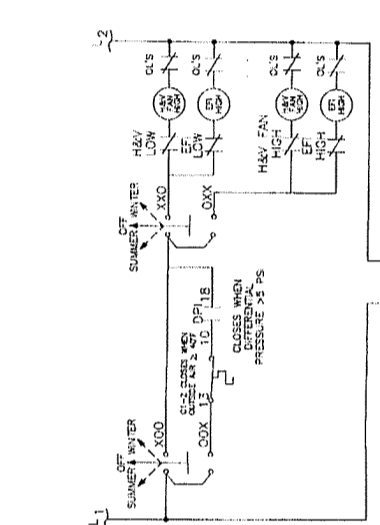


GROUNDWATER PUMPS, S-1 THRU S-4 (S-1 THRU S-4 STARTERS LOCATED IN RECOVERY WELL VAULTS RW-2, RW-4, RW-5, RW-8 RESPECTIVELY)

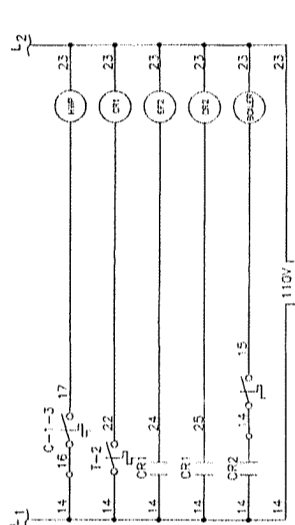
PUMP NO	SELECTOR SWITCH	START CONTROL	STOP CONTROL	"ON" STATUS LIGHT	"OFF" STATUS LIGHT
S-X	HS-XXX	CRX	CRX	OL-XXXXA	OL-XXXXB
S-1	HS-111	CR1	CR1	OL-111A	OL-111B
S-2	HS-112	CR2	CR2	OL-112A	OL-112B
S-3	HS-113	CR3	CR3	OL-113A	OL-113B
S-4	HS-114	CR4	CR4	OL-114A	OL-114B



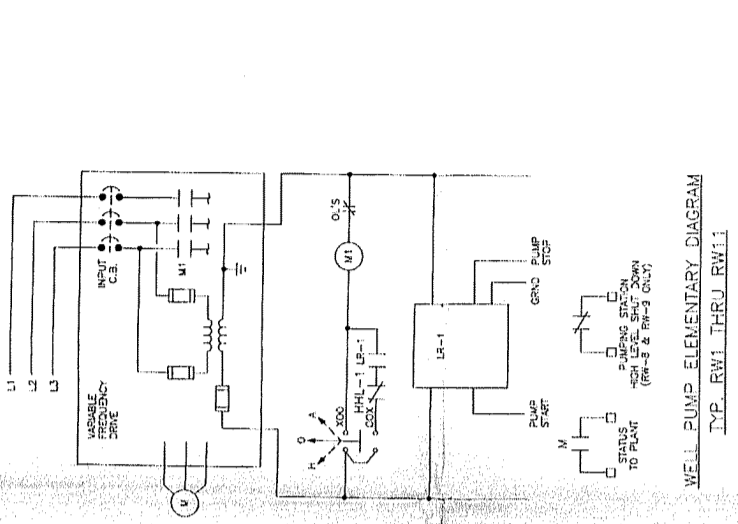
BUILDING SUMP PUMP



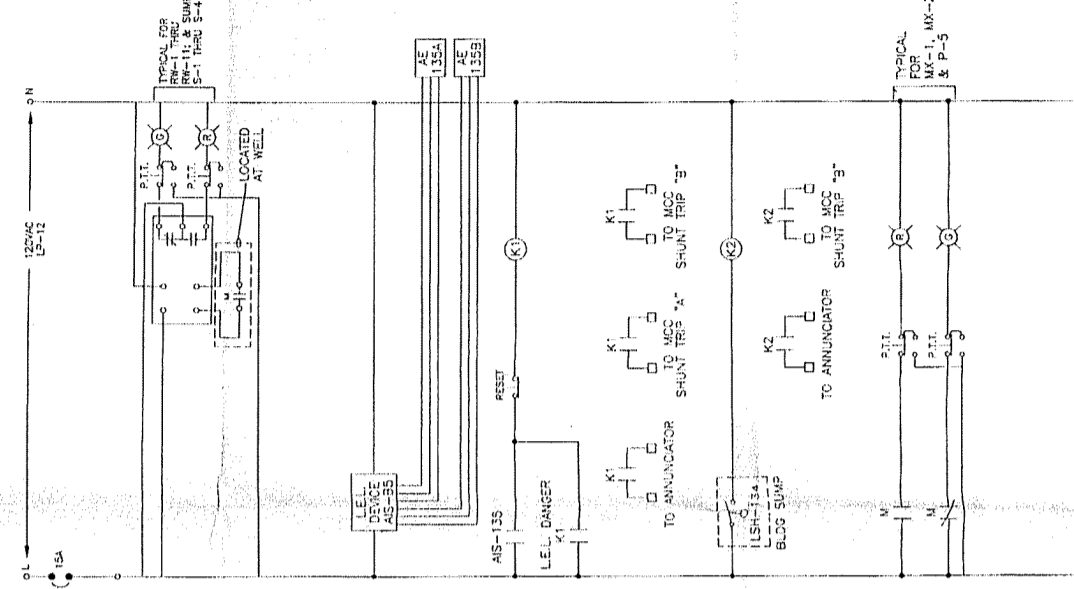
EF-1 - HVAC CONTROLS



EF-2 - BOILER CONTROLS



WELL PUMP ELEMENTARY DIAGRAM TYP. RW1 THRU RW11



INSTRUMENTATION CONTROL PANEL PARTIAL ELEMENTARY

RECORD DRAWING  
 THESE DRAWINGS HAVE BEEN RECHECKED BY THE DESIGNER AND THE CONTRACTOR AND APPROVED FOR CONSTRUCTION. ANY CHANGES MADE DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. INFORMATION FURNISHED BY CONTRACTOR.

PER: *[Signature]* DATE: 9/24/89

CHERRY FARM/RIVER ROAD REMEDIAL DESIGN  
 SCHEMATICS

CHERRY FARM/RIVER ROAD  
 PRP GROUP

PARSONS ENGINEERING SCIENCE, INC.  
 BUFFALO, NEW YORK (716) 633-7074

Professional Engineer  
 State of New York  
 License No. 10000

Drawn: JIS  
 Checked: AV  
 Approved: *[Signature]*  
 Date: 5/28/89

RECORD DRAWING  
 FINAL ISSUE FOR CONSTRUCTION  
 1/25/96  
 2/9/89  
 0

Rev. Date Description  
 0 12/19/85 FINAL ISSUE FOR CONSTRUCTION  
 1 1/25/96  
 2 2/9/89

IF A PORTION OF NEW YORK STATE LAW FOR ANY REASON APPLIES TO THIS DRAWING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS AND A SPECIAL LICENSE FROM THE STATE OF NEW YORK.

DRAWING NO. REV. 2  
 E-5

**BASIC SYMBOLS**

	<b>SINGLE FUNCTION</b>		<b>MULTIPLE FUNCTION</b>
	OR		FIELD MOUNTED INSTRUMENT OR DEVICE
	OR		FRONT OF PANEL MOUNTED INSTRUMENT ON LOCAL PANEL
	OR		REAR OF PANEL MOUNTED INSTRUMENT ON LOCAL PANEL
	OR		FRONT OF PANEL MOUNTED INSTRUMENT ON MAIN PANEL
	OR		REAR OF PANEL MOUNTED INSTRUMENT ON MAIN PANEL
	OR		SOFTWARE GENERATED ANALOG COMPONENT (OPERATOR ACCESSIBLE)
	OR		SOFTWARE GENERATED ANALOG COMPONENT (NOT OPERATOR ACCESSIBLE)
	OR		SOFTWARE GENERATED DIGITAL COMPONENT (OPERATOR ACCESSIBLE)
	OR		SOFTWARE GENERATED DIGITAL COMPONENT (NOT OPERATOR ACCESSIBLE)
			HARDWIRED INTERLOCK

**PROCESS SYMBOLS**

	<b>VALVES</b>		<b>MISCELLANEOUS MECHANICAL ITEMS</b>
	KNIFE GATE VALVE		TYPE STRAINER
	BALL VALVE		DIAPHRAGM CHECK
	BUTTERFLY VALVE		RUPTURE DISC
	DIAPHRAGM VALVE		CHEMICAL DIAPHRAGM SEAL
	ANGLE VALVE		MIXER
	GLOBE VALVE		FILTER
	NEEDLE VALVE		VENT W/CAP OR SCREEN
	3-WAY VALVE		FLEXIBLE TUBING
	CHECK VALVE (→ FLOW DIRECTION)		FLEXIBLE HOSE
	DOUBLE CHECK VALVE (→ FLOW DIRECTION)		SPRAY SYSTEM
	STOP CHECK STEAM VALVE (NON-RETURN STEAM VALVE) PRESSURE OF VACUUM		CHANGE AIR DIFFUSER
	THERMOSTATIC AIR VENT VALVE		FLOAT OPERATED CONTROL VALVE
	AIR RELIEF VALVE		EJECTOR / EDUCTOR
	SOLENOID VALVE (2-WAY)		PNEUMATIC DAMPER
	SOLENOID VALVE (3-WAY)		THERMOWELL
	SOLENOID VALVE (4-WAY)		STEAM TRAP (SEE DETAIL ON DRAWING M-4)
	PNEUMATIC DIAPHRAGM CONTROL VALVE		GAUGE (BYPASS FOR STEAM SERVICE)
	SELF-CONTAINED PRESSURE REGULATING VALVE		DOUBLE BASKET STRAINER
	SELF-CONTAINED BACK PRESSURE REGULATING VALVE		BASKET STRAINER
	GATES		PUMP SUCTION SCREEN
	SLUICE GATE		REDUCER
	SLUICE GATE/BLAST GATE		
	STOP GATE		
	ACTUATORS		
	MOTOR		
	PNEUMATIC CYLINDER		
	MECHANICAL VARIABLE SPEED REDUCER		
	HAND ACTUATOR (SHOW WEATHERLY VALVE)		
	PNEUMATIC POSITIONER		

**CODES AND ABBREVIATIONS**

	SUMMATOR
	SUBTRACTOR
	SQUARE ROOT EXTRACTOR
	HIGH SELECTOR
	LOW SELECTOR
	CURRENT TO PNEUMATIC CONTROL VALVE
	MANUAL-OFF-AUTO
	MANUAL-OFF-STOP
	START / STOP
	SELECTOR
	OPEN / CLOSE
	ON / OFF
	FAST-OFF-SLOW
	LOCK OUT STOP
	LOWER-AUTO-RAISE
	LOWER/RAISE
	FORWARD/REVERSE
	FAST/SLOW
	FAST-SLOW-OFF-AUTO
	EMERGENCY STOP

**LINE CODES**

	MAJOR PROCESS LINE
	MINOR PROCESS LINE OR MECHANICAL CONNECTION
	PROCESS AIR
	SIGNAL LINE (ELECTRICAL, DIGITAL OR ANALOG)
	PNEUMATIC LINE
	HYDRAULIC LINE
	CAPILLARY
	DATA HIGHWAY
	COMMUNICATIONS LINK
	HEAT TRACING

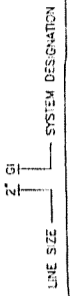
**FUNCTION PREFIX SCHEDULE**

LETTER MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	MODIFIER
A	ANALYSIS	ALARM	
B	BURNER	PROGRAMMER	CONTROL
C	CONDUCTIVITY (ELECTRICAL)		
D	DENSITY (MASS) OR SPEEDS	DIFFERENTIAL	
E	ELONGATE (LIFT)	PRIMARY ELEMENT	
F	FLOW RATE (FRACTION)	GLASS	
G	GAUGING		
H	HAND (MANUALLY INITIATED)		HIGH (OPEN)
I	CURRENT (ELECTRICAL)	INDICATE	
J	POWER	SCAN	
K	TIME OR TIME SCHEDULE	CONTROL STATION	
L	LEVEL	LIGHT (FLUO)	LOW (CLOSED)
M	MOTOR		MIDDLE OR INTERMEDIATE
N	VELOCITY		
O	OPERATION OFFSET	OFFICE (RESTRICTION)	
P	PRESSURE OR VACUUM	POINT (TEST CONNECTION)	
Q	QUANTITY OR TOTALS	RECORD OR PRINT	
R	RADIOACTIVITY		
S	SPEED OR FREQUENCY	SAFETY	
T	TEMPERATURE	SWITCH	
U	MULTI-VARIABLE TEST	MULTI-FUNCTION TRANSMIT	MULTI-FUNCTION
V	VELOCITY	VALVE DAMPER OR LOWER	
W	WEIGHT, FORCE OR TORQUE	WELL	
X	SPECIAL (SEE SPEC.)		
Y	RELAY OR COMPUTE		
Z	POSITION	DRIVE, ACTUATE OR UNCLASSIFIED ELEMENT	

**PIPING SYSTEM DESIGNATIONS**

SWRKA	STEAM SYSTEM
AP	ADDUCTOR/PROCESS STREAM
AW	WATER
BP	BOILER PROCESS WATER
CP	CHEMICAL PROCESS WATER
DP	DIAPHRAGM SEAL
EP	EXHAUST PROCESS WATER
FP	FUEL PROCESS WATER
GP	CONDENSATE
HP	HOT WATER
IP	INTEGRATED
JP	JACKET WATER
KP	KEY
LP	LOW PRESSURE
MP	MEDIUM PRESSURE
NP	NITROGEN
OP	OXYGEN
PP	PROCESS WATER
RP	RECYCLE WATER
SP	STEAM
TP	TURBINE
UP	UNSATURATED PROCESS WATER
VP	VACUUM
WP	WATER
XP	EXHAUST PROCESS WATER
YP	YIELD WATER
ZP	ZINC

**LINE DESIGNATIONS**



**PARSONS ENGINEERING, INC.**  
 CHERRY FARM/RIVER ROAD REMEDIAL DESIGN  
 CHERRY FARM/RIVER ROAD  
 PRP GROUP

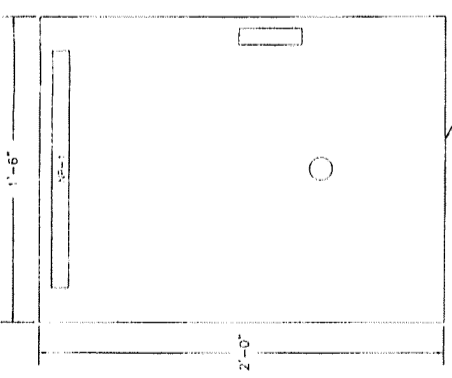
Buffalo, New York (716) 833-7074

Job No. 22887  
 Designed By: [Blank]  
 Drawn: [Blank]  
 Checked: [Blank]  
 Approved: M.A.  
 Date: 9/20/93

RECORD DRAWING  
 TITLE: EOL FOR CONSTRUCTION  
 12/1/93  
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 12

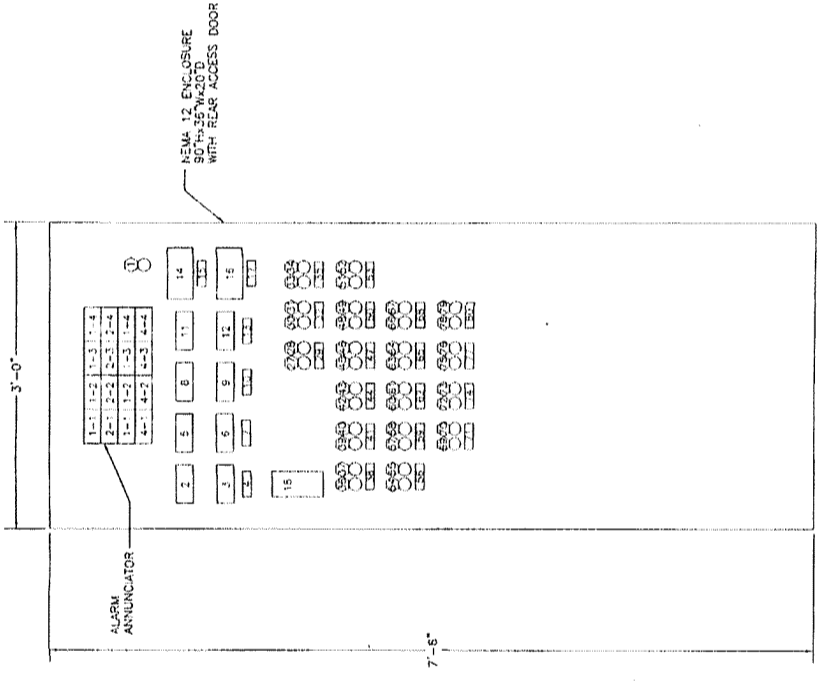
IF A VARIATION IN NEW YORK STATE LAW FOR THE DESIGN OF A PROJECT REQUIRES THE DESIGNER TO OBTAIN A LICENSE IN ANOTHER STATE, THE DESIGNER SHALL OBTAIN SUCH LICENSE PRIOR TO THE COMMENCEMENT OF THE PROJECT. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING SUCH LICENSE AND FOR THE COST THEREOF. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING SUCH LICENSE AND FOR THE COST THEREOF. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING SUCH LICENSE AND FOR THE COST THEREOF.

**RECORD DRAWING**  
 THESE DRAWINGS HAVE BEEN REVISED TO REFLECT THE LATEST REVISIONS WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION FURNISHED BY CONTRACTOR.  
 PER: [Signature] DATE: 9/20/93



**LEGEND:**  
 RP-1 RECOVERY WELL CONTROL PANEL  
 RP-2 HAND-OFF-AUTO SELECTOR SWITCH  
 \* NO. FOR RW-1 THRU RW-11  
 NOTE: LOCATE WINDOW AS REQUIRED TO ALLOW OBSERVATION OF VFD INTERFACE DISPLAY.

**RECOVERY WELL CONTROL PANEL (RW)**  
 NOT TO SCALE  
 (TYPICAL FOR RW-1 THRU RW-11)



**INSTRUMENTATION CONTROL PANEL**  
 FRONT ELEVATION  
 SCALE: 1-1/2" = 1'-0"

ITEM NO.	TAG NO.	SERVICE	NAMEPLATE NOMENCLATURE
1	FI-125	RESET	RESET
2	FI-125	FLOW INDICATOR	FLOW INDICATOR
3	FD-125	FLOW TOTALIZER	FLOW TOTALIZER
4	FI-127	FLOW INDICATOR	WELLS RW-1 THRU RW-7, SUMP S-1, 2, 3
5	FD-127	FLOW TOTALIZER	WELLS RW-1 THRU RW-7, SUMP S-1, 2, 3
7	FI-125	FLOW INDICATOR	WELLS RW-8, S-1 SUMP S-4
8	FD-125	FLOW TOTALIZER	WELLS RW-8, S-1 SUMP S-4
9	FI-125	FLOW INDICATOR	WELLS RW-10, 11
10	FD-125	FLOW TOTALIZER	WELLS RW-10, 11
11	FI-125	FLOW INDICATOR	TOTAL INFLUENT FLOW
12	FD-125	FLOW TOTALIZER	TOTAL INFLUENT FLOW
13	AC-121	CONTROLLER	ACQUISITION TANK PH
14	AC-121	CONTROLLER	ACQUISITION TANK PH
15	AC-131	CONTROLLER	EQUALIZATION TANK PH
16	AC-131	CONTROLLER	EQUALIZATION TANK PH
17	AS-135	L.E.L. DISPLAY	EQUALIZATION TANK PH
18	AS-135	L.E.L. DISPLAY	EQUALIZATION TANK PH
19	MX-1	STATUS LIGHT "RED"	(FUTURE)
20	MX-1	STATUS LIGHT "RED"	(FUTURE)
21	MX-1	STATUS LIGHT "RED"	(FUTURE)
22	MX-1	STATUS LIGHT "RED"	(FUTURE)
23	MX-1	STATUS LIGHT "RED"	(FUTURE)
24	MX-1	STATUS LIGHT "RED"	(FUTURE)
25	MX-1	STATUS LIGHT "RED"	(FUTURE)
26	MX-2	STATUS LIGHT "GREEN"	(FUTURE)
27	MX-2	STATUS LIGHT "GREEN"	(FUTURE)
28	MX-2	STATUS LIGHT "GREEN"	(FUTURE)
29	MX-2	STATUS LIGHT "GREEN"	(FUTURE)
30	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
31	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
32	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
33	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
34	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
35	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
36	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
37	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
38	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
39	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
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41	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
42	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
43	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
44	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
45	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
46	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
47	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
48	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
49	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
50	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
51	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
52	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
53	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
54	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER
55	MX-1	STATUS LIGHT "RED"	EQUALIZATION TANK MIXER

ITEM NO.	TAG NO.	SERVICE	NAMEPLATE NOMENCLATURE
56	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
57	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
58	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
59	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
60	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
61	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
62	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
63	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
64	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
65	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
66	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
67	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
68	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
69	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
70	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
71	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
72	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
73	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
74	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
75	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
76	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
77	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
78	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
79	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)
80	MX-1	STATUS LIGHT "RED"	RECOVERY WELL (RW-7)

POINT	TAG NO.	NAMEPLATE NOMENCLATURE
1-1	DL-134	SUMP PUMP RUNNING
1-2	ASH-131	HIGH PH EQUALIZATION TANK
1-3	AW-135	L.E.L. WARNING
1-4	AW-135	L.E.L. WARNING
2-1	LH-134	SUMP HIGH LEVEL
2-2	AS-131	LOW PH EQUALIZATION TANK
2-3	AH-135	L.E.L. DANGER
2-4	AW-135	(SPARE)
3-1	7A-136	BUILDING LOW TEMPERATURE
3-2	AW-135	(SPARE)
3-3	AU-135	L.E.L. MALFUNCTION
4-1	AW-135	POWER ON
4-2	AW-135	VENTILATION MALFUNCTION
4-3	AW-135	(SPARE)
4-4	AW-135	TEST AND ACKNOWLEDGE PUSH-BUTTONS

RECORD DRAWING  
 THESE DRAWINGS HAVE BEEN REVISIONED TO REFLECT CHANGES MADE DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION FURNISHED BY CONTRACTOR.  
 PER: EMM DATE: 9/28/94

RECORD DRAWING  
 THIS DRAWING IS THE PROPERTY OF PARSONS ENGINEERING SCIENCE, INC. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. WITHOUT THE WRITTEN PERMISSION OF PARSONS ENGINEERING SCIENCE, INC. THIS DRAWING IS TO BE DESTROYED UPON COMPLETION OF THE PROJECT.  
 DATE: 9/28/94  
 DRAWING NO. 2  
 REV. 2