

**CONSTRUCTION PLANS
FOR
EFFLUENT PUMPING STATION AND
PROCESS MODIFICATIONS
PREPARED
FOR
THE CITY OF ATLANTA, GEORGIA**

**ATLANTA THREE RIVERS
WATER QUALITY MANAGEMENT PROGRAM
INTRENCHMENT CREEK PLANT
PART - 2
DESIGN TASK 4-B**

**EPA PROJECT NO. C 150447-01
WRA PROJECT NO. 901571022**

MAY 10, 1982

williams-russell

and associates, inc.



**engineers-planners
atlanta, georgia**

INDEX OF DRAWINGS

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INTRENCHMENT CREEK PLANT MODIFICATIONS

INDEX OF DRAWINGS

SCALE: NONE DATE: MAY 10, 1992

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

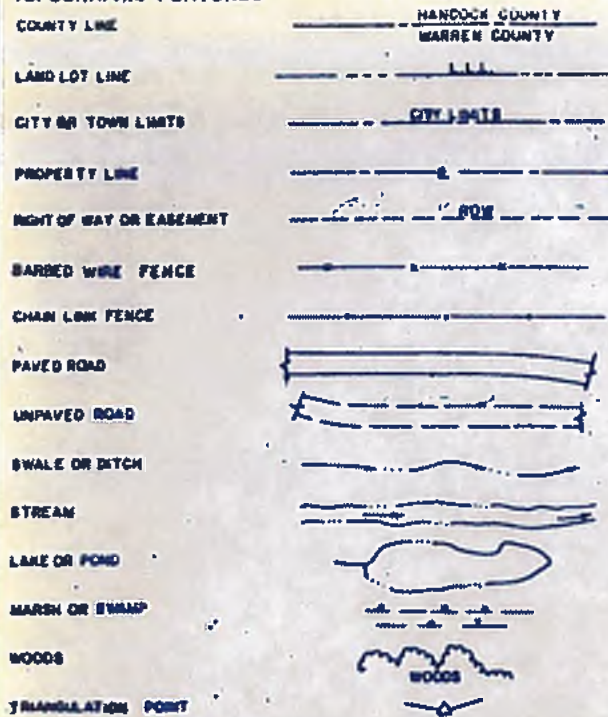
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

NO.	DATE	BY	DESCRIPTION	PLACE

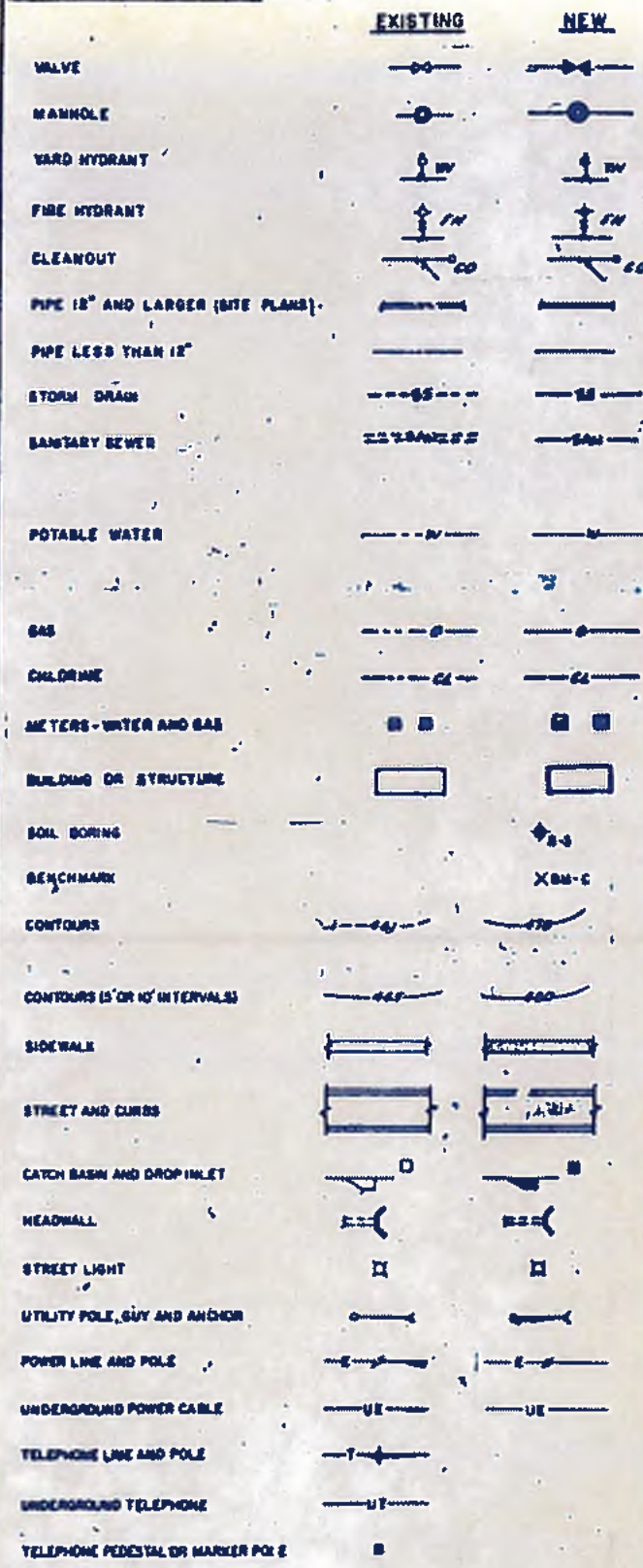
DRAWING NO. 4-G-1

STANDARD SYMBOLS

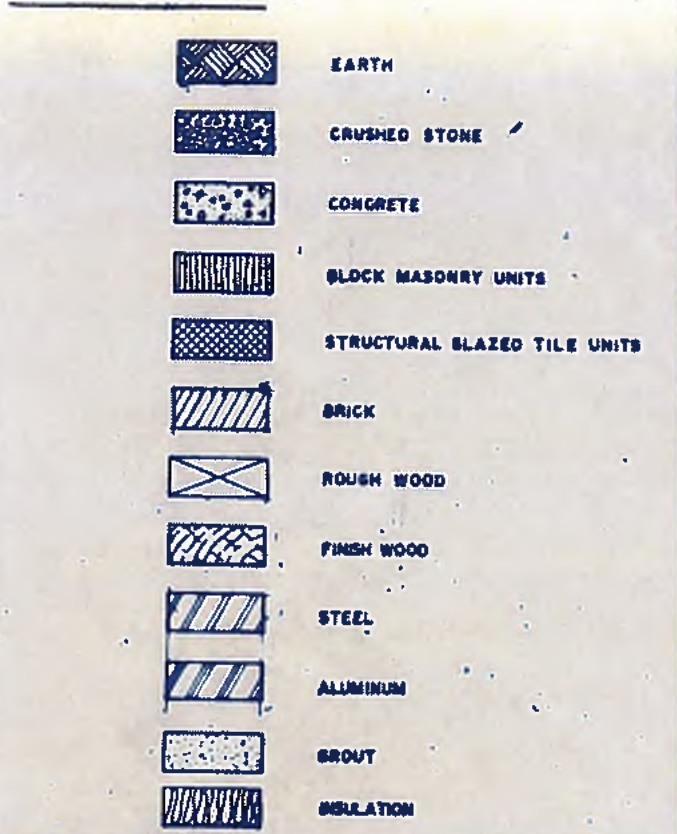
TOPOGRAPHIC FEATURES



STANDARD SYMBOLS



MATERIAL SYMBOLS



SINGLE LINE PIPING SYMBOLS

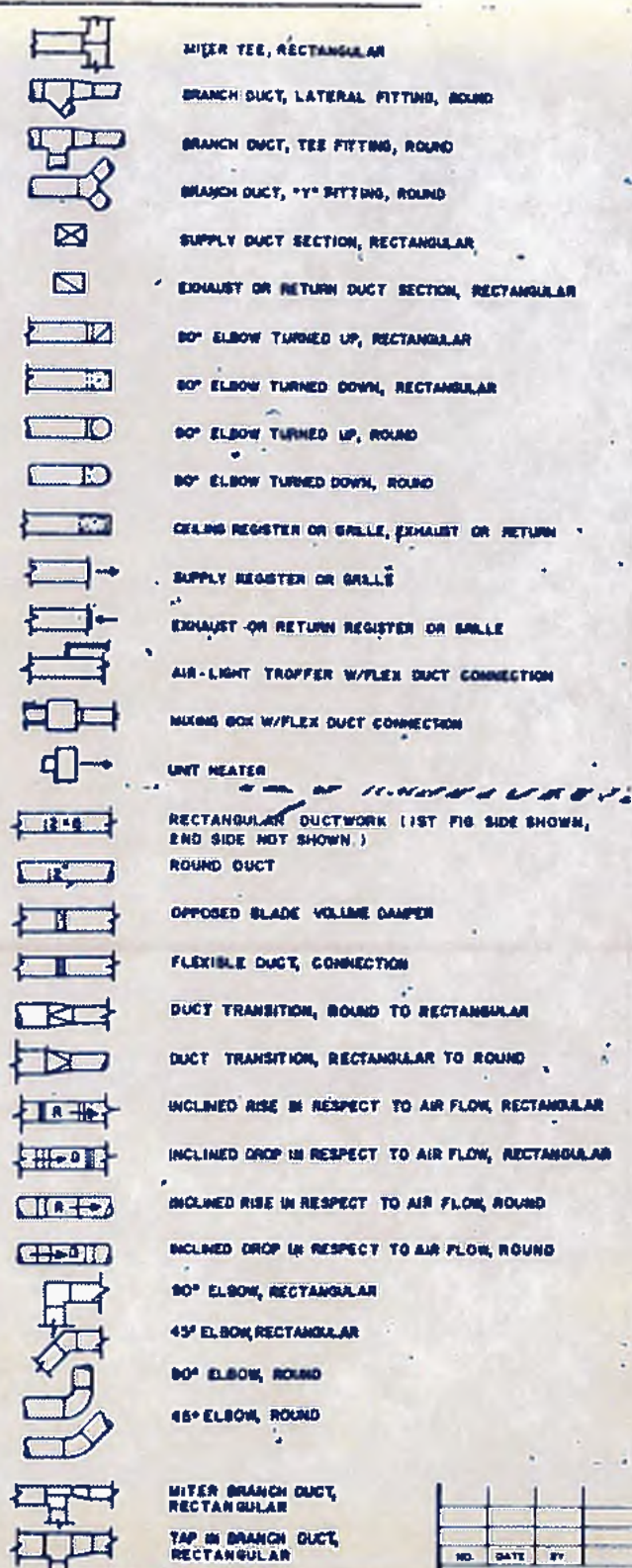
- Single line symbols are used for 2 1/2" and smaller pipe.
- On site plans of 1" = 30' scale - use single line for pipes 6" and less.
- On site plans of 1" = 30' (or 40') - use single line for pipes 30" or less.

VALVES					
FITTINGS					
OTHER					

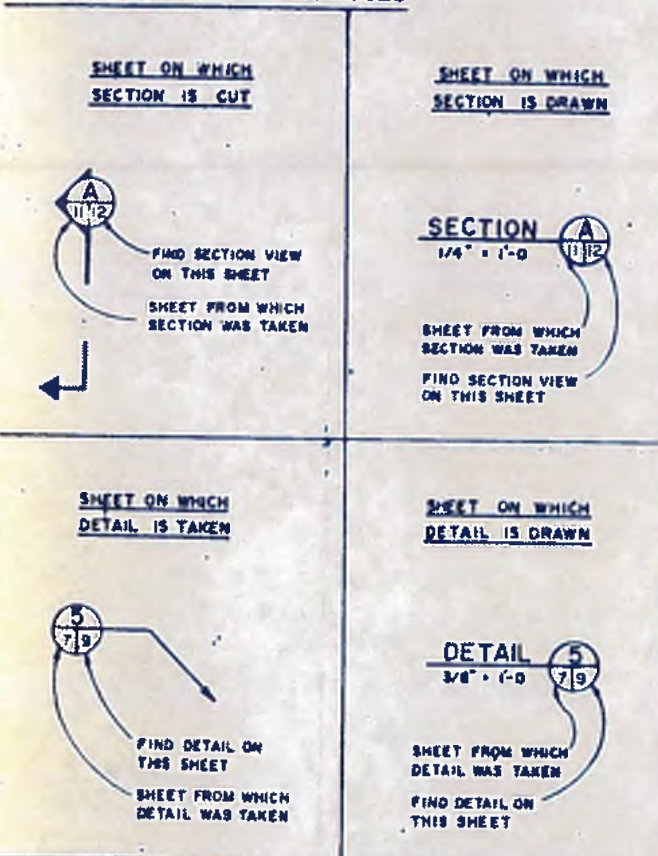
PIPE ABBREVIATIONS

MATERIALS	FUNCTIONS
BS BLACK STEEL	AL ALUM.
CI CAST IRON	CL CHLORINE SOLUTION
CM CORRUGATED METAL	CL2 CHLORINE GAS OR LIQUID
CP COPPER	DK DIGESTED
DI DUCTILE IRON	DG DIGESTER GAS
GLD.I GLASS LINED D.I.	LS LIME SLURRY
GS GALVANIZED STEEL	NG NATURAL GAS
PVC POLYVINYL CHLORIDE	SL SLUDGE
RC REINFORCED CONCRETE	P POWER
PC PLAIN CONCRETE	SW SEAL WATER
SS STAINLESS STEEL	PW FLUSH WATER
VC VITRIFIED CLAY	

HEATING & VENTILATING SYMBOLS



SECTION AND DETAIL SYMBOLS



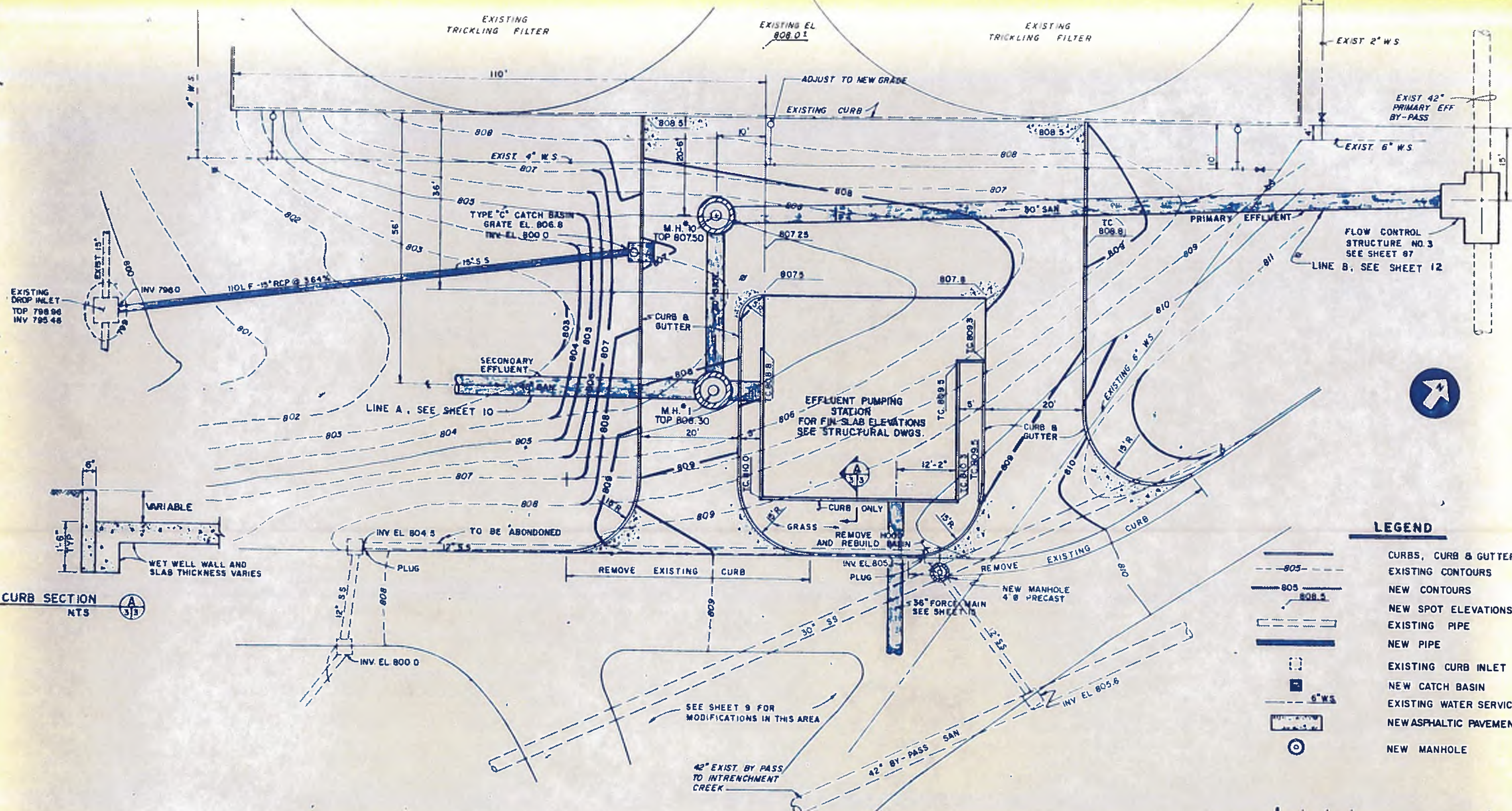
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INTRENCHMENT CREEK PLANT MODIFICATIONS
STANDARD SYMBOLS AND ABBREVIATIONS

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

DESIGN: C.C.S.	APPROVED:	DISTRICT:	COUNTY:
DRAWN: V.L.H.			SHEET NO. 2
CHECKED: B.L.S.	SCALE: N.T.S.	DATE: MAY 10, 1982	DRAWING NO. 4-0-2



LEGEND

	CURBS, CURB & GUTTER
	EXISTING CONTOURS
	NEW CONTOURS
	NEW SPOT ELEVATIONS
	EXISTING PIPE
	NEW PIPE
	EXISTING CURB INLET
	NEW CATCH BASIN
	EXISTING WATER SERVICE
	NEW ASPHALTIC PAVEMENT
	NEW MANHOLE

- NOTES:**
- FOR DETAILS OF EFFLUENT PUMPING STATION, SEE SHEETS 25, 26, 90, 91, 92
 - CONTRACTOR TO RELOCATE POWER POLES AS PER SHEET 128



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INTRENCHMENT CREEK PLANT MODIFICATIONS
EFFLUENT PUMPING STATION
SITE PLAN



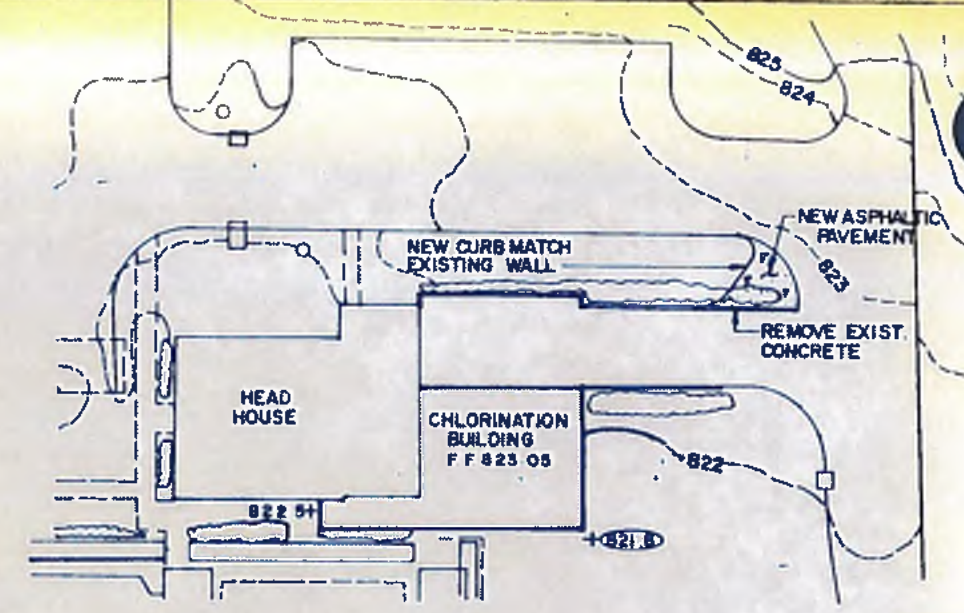
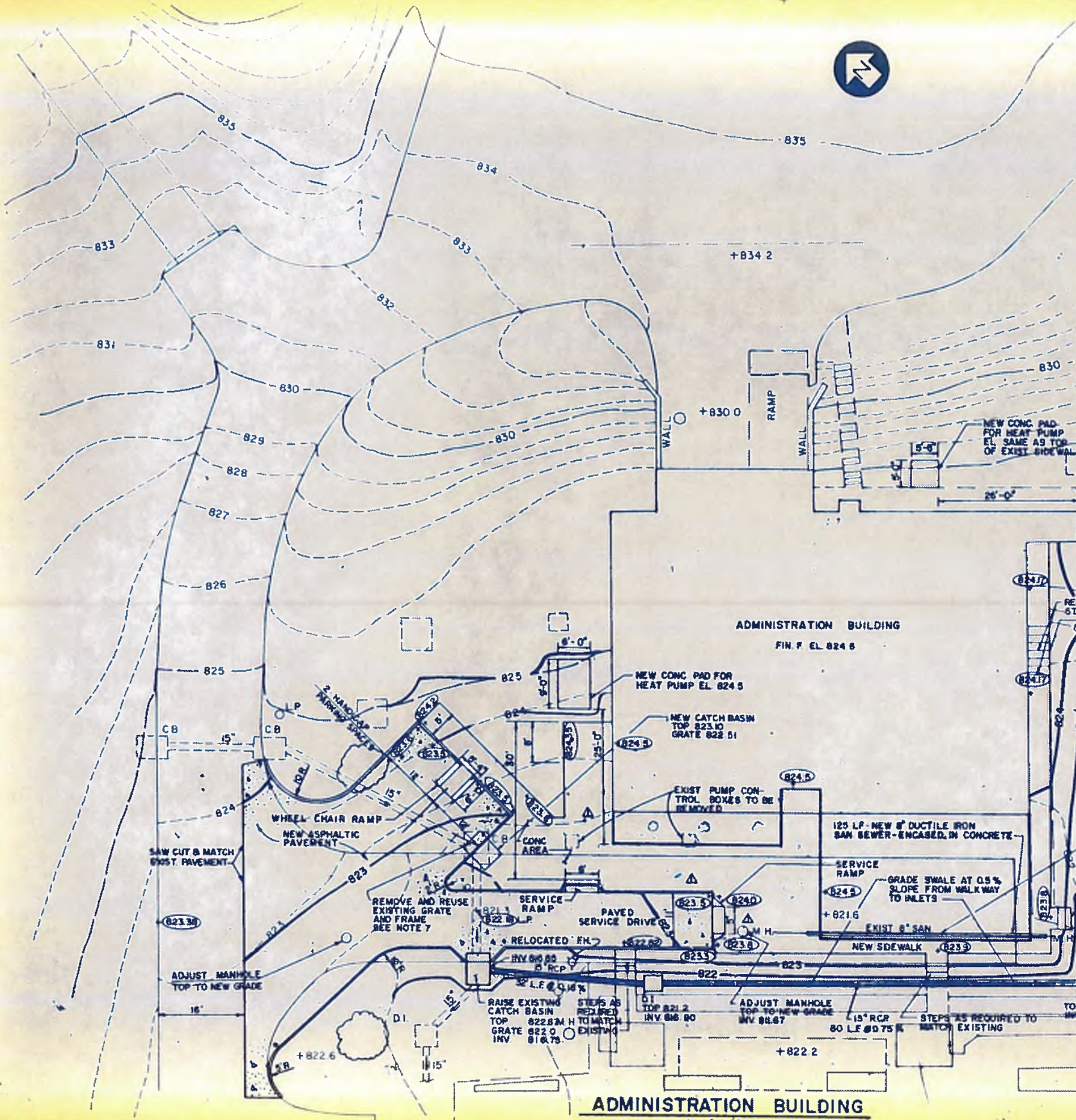
DRGN	H.A.	APPROVED	
DRWN	L.L.		
CHD	B.L.S.	SCALE 1" = 10'	DATE MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACE
			REVISIONS	

LAND LOT	DISTRICT	COUNTY

DRAWING NO. 4-C-1

3



CHLORINATION BUILDING
SCALE: 1" = 20'

LEGEND

- NEW ASPHALTIC PAVEMENT
- EXISTING SPOT ELEVATION
- NEW SPOT ELEVATION
- CURBS, CURB & GUTTER
- LOW POINT
- EXISTING CONTOURS
- NEW CONTOURS
- EXISTING PIPE
- NEW PIPE
- EXISTING CURB INLET
- NEW DROP INLET

NOTES

1. FOR DIMENSIONS OF ADMINISTRATION BUILDING SEE SHEET NO. 43
2. FOR DETAIL OF CURB & GUTTER SEE SHEET NO. 6
3. SEE SHEET 16 FOR PIPING MODIFICATIONS IN THIS AREA.
4. FOR STEPS AND RAMPS DETAIL SEE SHEET 6
5. PAINT HANDICAP SYMBOL IN PARKING SPACE AND CONSTRUCT SIGNS, SEE SHEET 6.
6. CONTRACTOR SHALL MAINTAIN EXISTING STORM AND SANITARY SERVICES DURING MODIFICATIONS TO THESE SYSTEMS.
7. INSTALL NEW RCP AS NECESSARY TO MAKE CONNECTIONS TO NEW CATCH BASIN CONTINUE GRADE OF EXISTING PIPES TO INTERSECT WITH CATCH BASIN WALLS.



NO.	DATE	BY	DESCRIPTION	PLACES
1	5-1-82	WRS	CHANGED EAST RAMP LOCATION AND NO. 3 DELETED GRAZED AREA	ADD NO. 3

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INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION AND CHLORINATION
BUILDING SITE PLAN

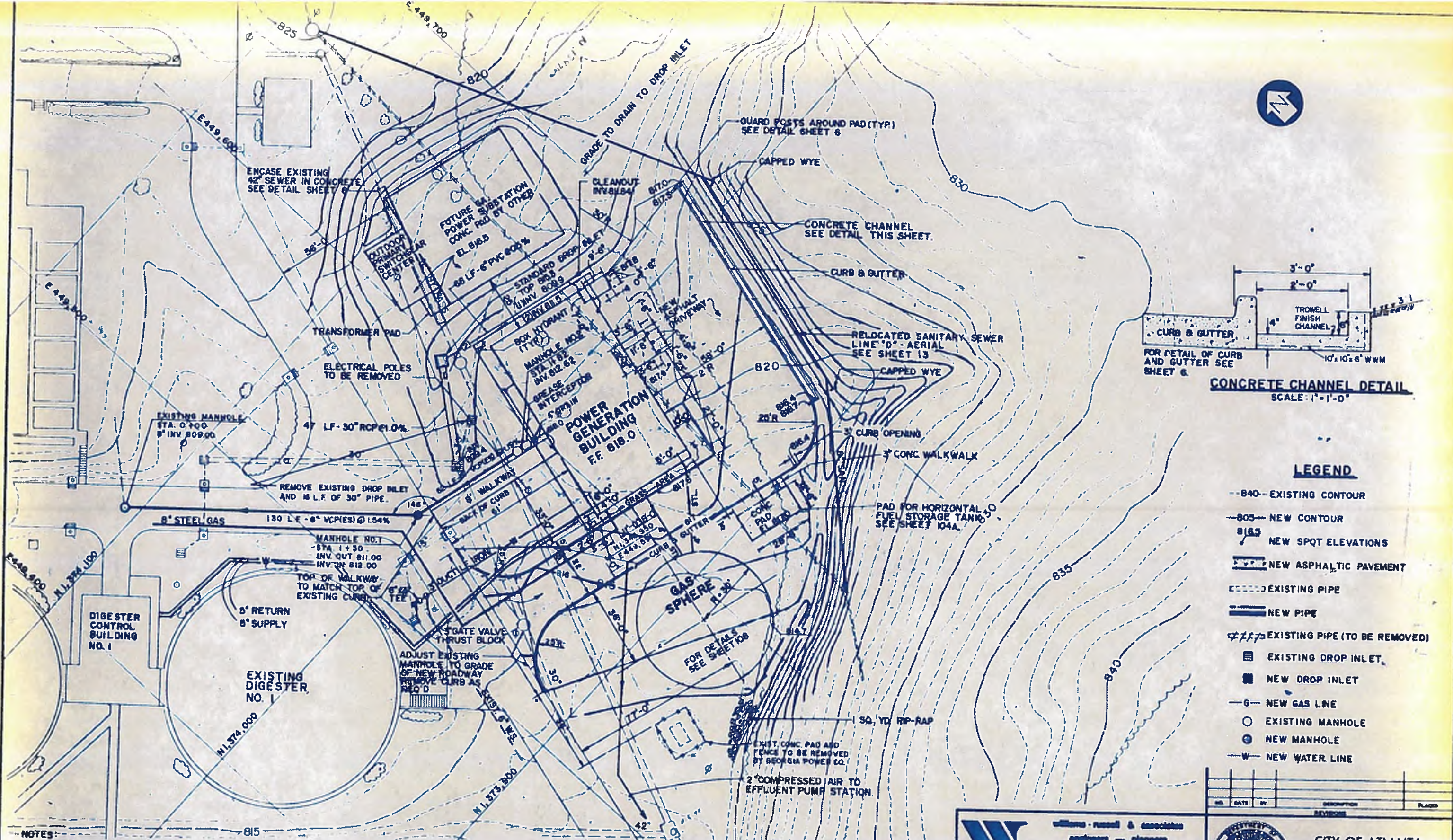


CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

OWNER	LL	APPROVED		DATE	
OWNER	AH				
OWNER	HA	SCALE AS SHOWN	DATE	MAY 10, 1982	
OWNER			DATE		

ADMINISTRATION BUILDING
SCALE: 1" = 10'



- LEGEND**
- 840- EXISTING CONTOUR
 - 805- NEW CONTOUR
 - 818.5 NEW SPOT ELEVATIONS
 - NEW ASPHALTIC PAVEMENT
 - EXISTING PIPE
 - NEW PIPE
 - EXISTING PIPE (TO BE REMOVED)
 - EXISTING DROP INLET
 - NEW DROP INLET
 - G- NEW GAS LINE
 - EXISTING MANHOLE
 - NEW MANHOLE
 - W- NEW WATER LINE

- NOTES**
1. FOR OUTDOOR PRIMARY SWITCHGEAR CENTER DETAILS SEE SHEET 131
 2. FOR TRANSFORMER DETAILS SEE SHEET 131
 3. FOR DETAILS OF TYPE A THRUST BLOCK SEE ABW MNL
 4. ADJUST TOPS OF ALL MANHOLES AND CATCH BASINS TO NEW GRADES
 5. FOR DIMENSIONS OF POWER GENERATION BUILDING SEE SHEET 58
 6. FOR POWER POLE RELOCATION SEE SHT. 128
 7. FOR ADDITIONAL PIPING SEE SHEET 8
 8. MIN AND MAX COVER OVER ALL 6" WATER LINES SHALL BE 4' AND 5' RESPECTIVELY
 9. MIN. COVER OVER ALL NEW GAS LINES SHALL BE 3FT.
 10. FOR DETAILS OF ELECTRICAL CONDUIT LAYOUT IN THIS AREA SEE SHEETS 128 AND 158.
 11. FOR CONTINUATION OF WATER LINES INSIDE POWER GENERATION BUILDING SEE SHEET 114.
 12. FOR DETAILED LAYOUT OF WATER SERVICE LINE AND FIXTURES SEE SHEET 114.

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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION BUILDING
SITE PLAN

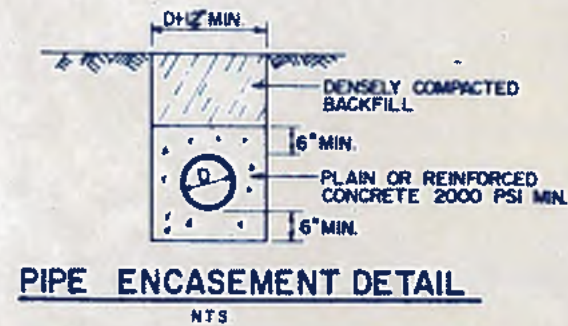
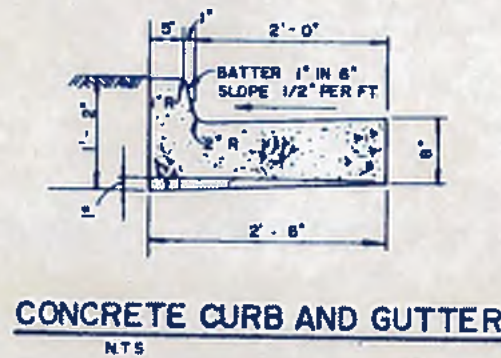
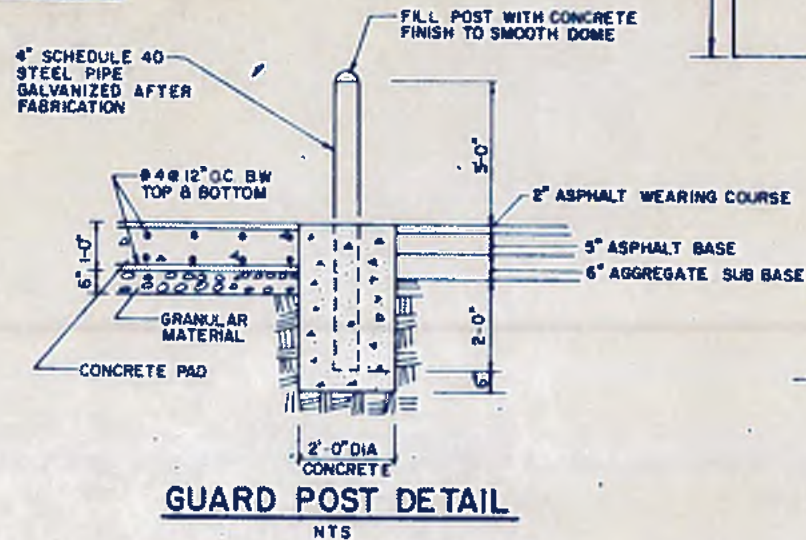
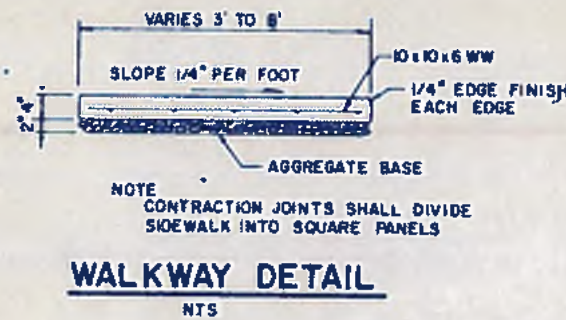
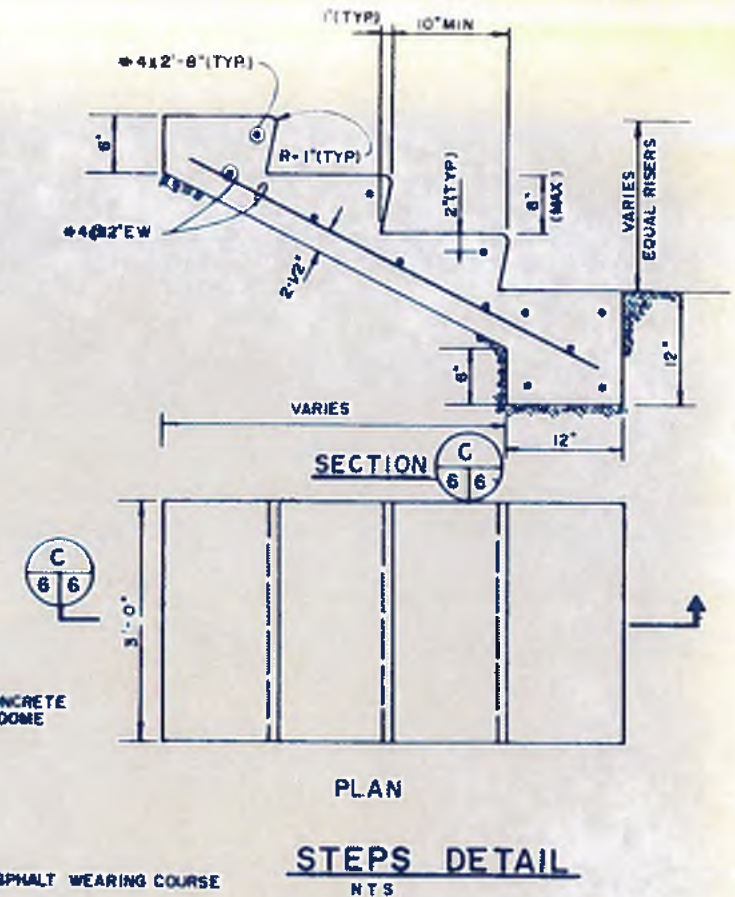
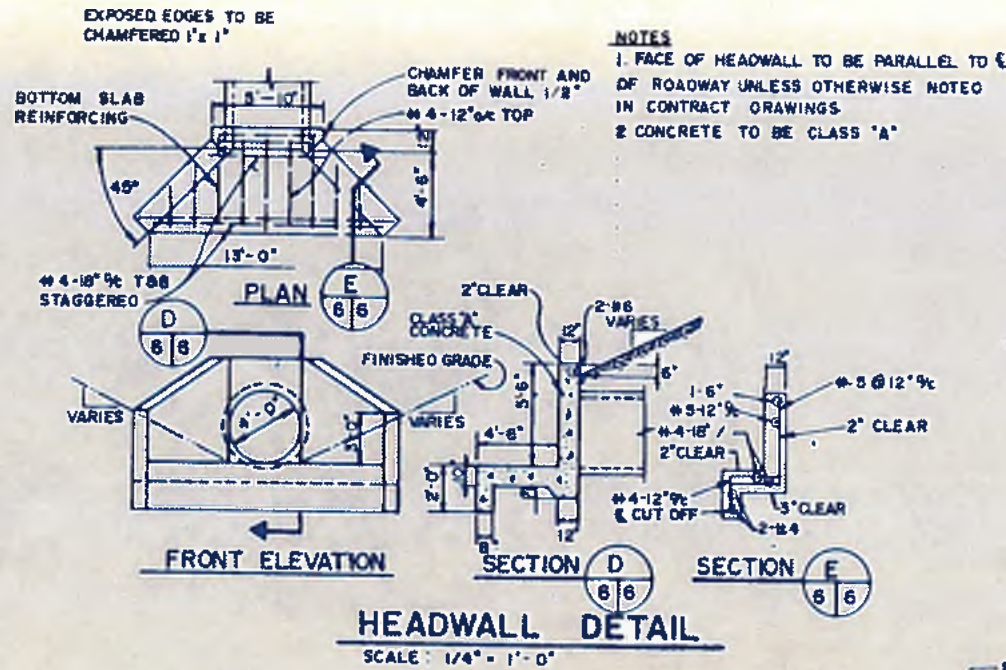
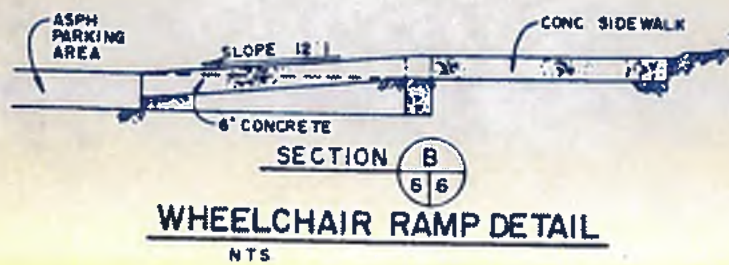
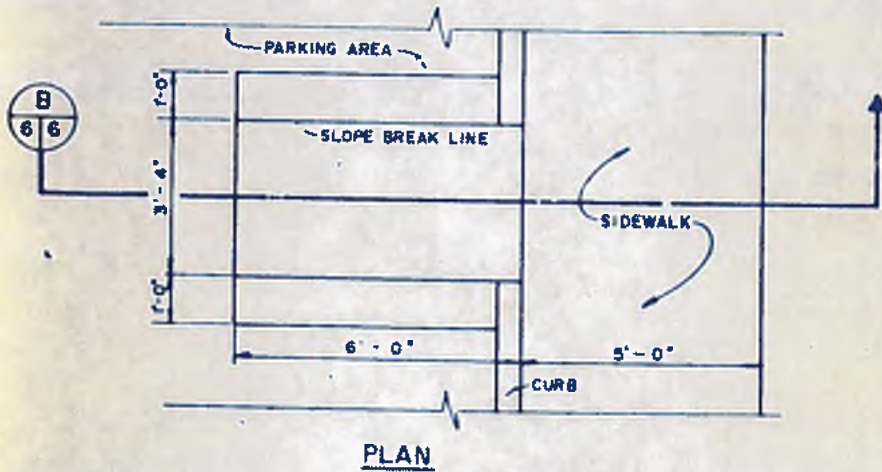
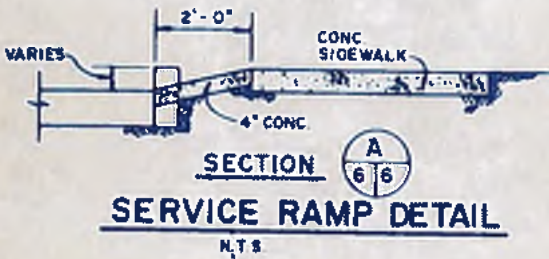
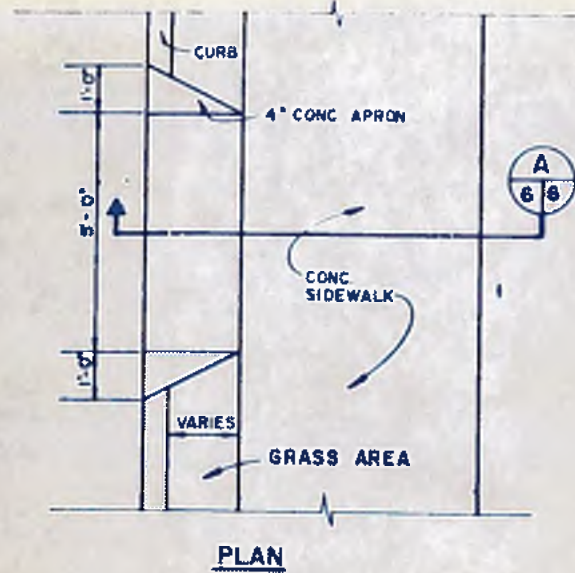
ORGN: W.B. APPROVED
 DESGN: G.M.
 CHDR: W.B. SCALE: 1" = 20' DATE: MAY 10, 1982

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

NO.	DATE	BY	DESCRIPTION	PLACED

LAND LOT: APPROVED
 SHEET NO.: **5**



NOTES
1. FACE OF HEADWALL TO BE PARALLEL TO C OF ROADWAY UNLESS OTHERWISE NOTED IN CONTRACT DRAWINGS
2. CONCRETE TO BE CLASS 'A'



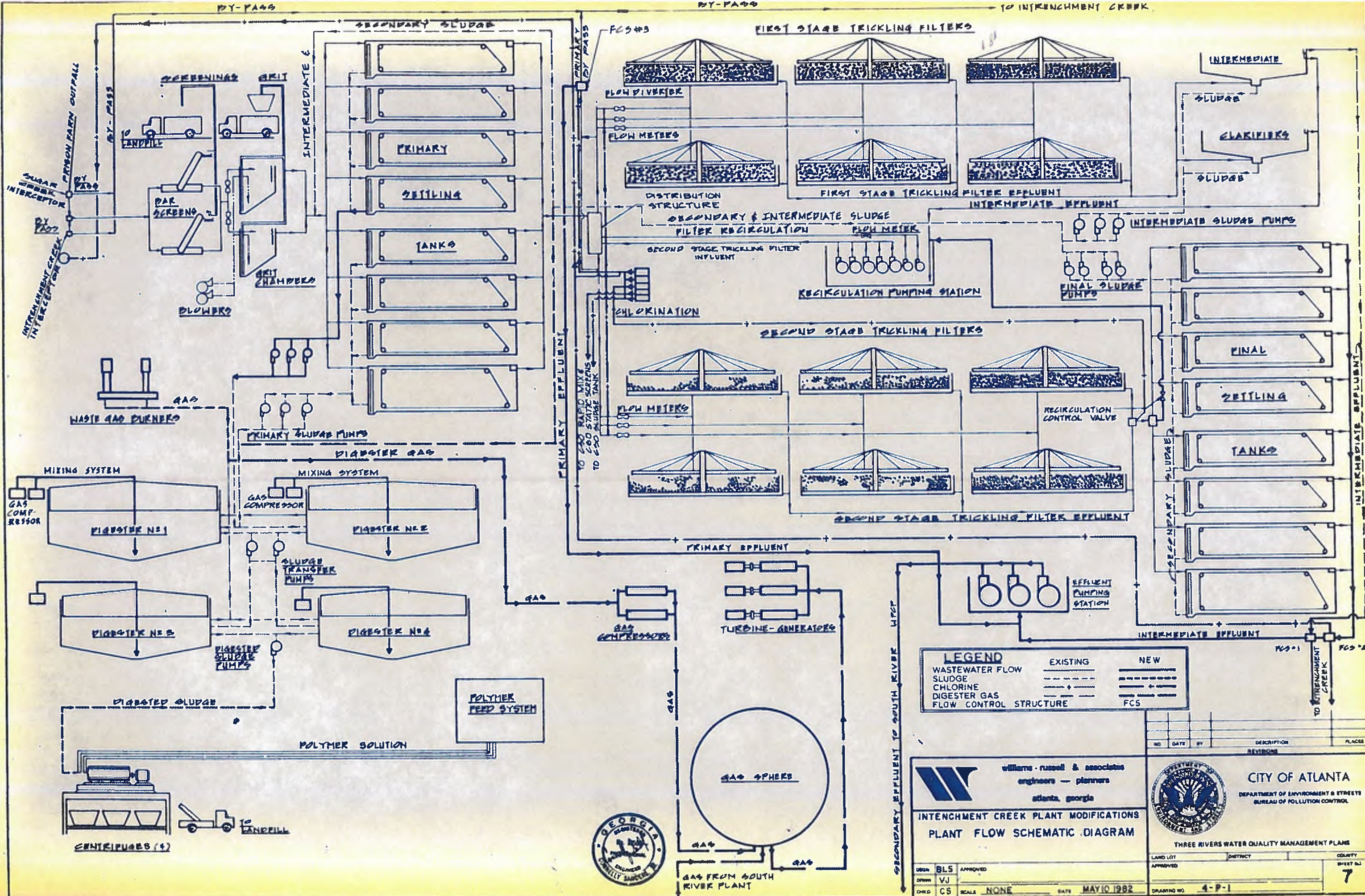
williams - russell & associates
engineers - planners
atlanta, georgia

MISCELLANEOUS DETAILS

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

ORGN: CCS	APPROVED:	NO:	DATE:	BY:	DESCRIPTION:	PLACES:
DRWN: BM						
CHKD: CCS	SCALE: AS SHOWN	DATE: MAY 10, 1982	DRAWING NO: 4-C-4			



LEGEND

	EXISTING	NEW
WASTEWATER FLOW	—	—
SLUDGE	- - -	- - -
CHLORINE	+	+
DIGESTER GAS	+	+
FLOW CONTROL STRUCTURE	FCS	FCS

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INTRENCHMENT CREEK PLANT MODIFICATIONS
PLANT FLOW SCHEMATIC DIAGRAM



THREE RIVERS WATER QUALITY MANAGEMENT PLANS

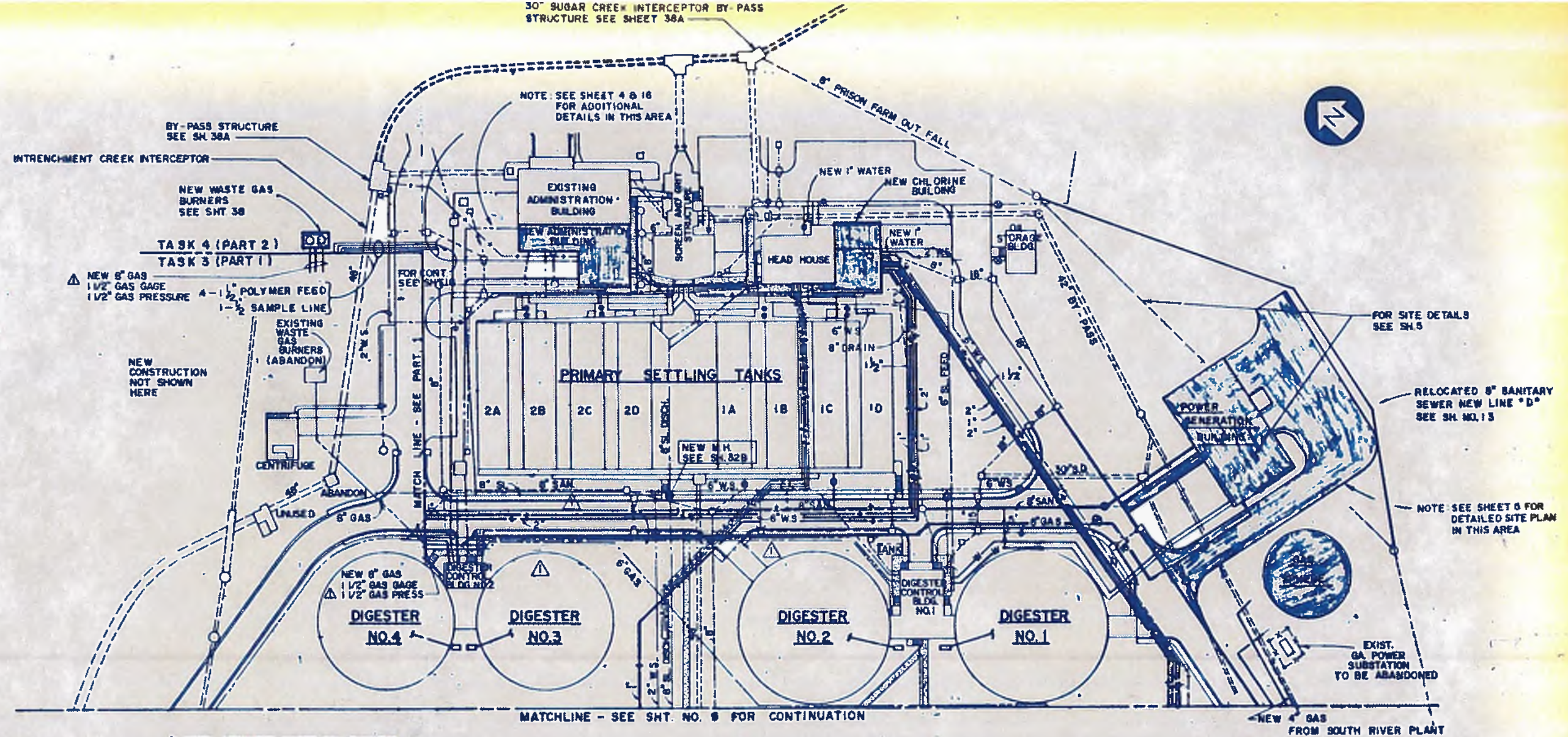
NO.	DATE	BY	DESCRIPTION	PLACES

DESIGN: BLS	APPROVED:	COUNTY:
DRAWN: VJ		DISTRICT:
CHECKED: CS	SCALE: NONE	SHEET NO: 7

DATE: MAY 10 1992
 DRAWING NO: 4-P-1



30" SUGAR CREEK INTERCEPTOR BY-PASS
STRUCTURE SEE SHEET 38A



MATCHLINE - SEE SHT. NO. 9 FOR CONTINUATION

NOTE: CONNECT WASTE GAS BURNERS AND DIGESTER CONTROL BLDG NO. 2 WITH 6" GAS 1 1/2" GAS GAGE AND 1 1/2" GAGE PRESSURE SEE 3-P-8

DESCRIPTION	EXISTING	NEW
SEWER LINE	--- OR ---	====
CHLORINE LINE	--- + ---	==== +
DIGESTER GAS, WATER & OTHERS AS NOTED	---	---
GATE VALVE	⊙	⊙
MANHOLE	⊙	⊙
HYDRANT	⊙	⊙
PAVED ROAD	====	====
CONC. SIDEWALK	====	====
AUTOMATIC VALVES	⊙	⊙

ABBREVIATIONS

W - HEAT RECOVERY WATER
WS - WATER SERVICE



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INTR TRENCHMENT CREEK PLANT MODIFICATIONS
GENERAL LAYOUT PIPING PLAN

NO.	DATE	BY	DESCRIPTION	APP. NO.
1	6-1	JRM	GAS PIPING CHANGE	APP NO. 3

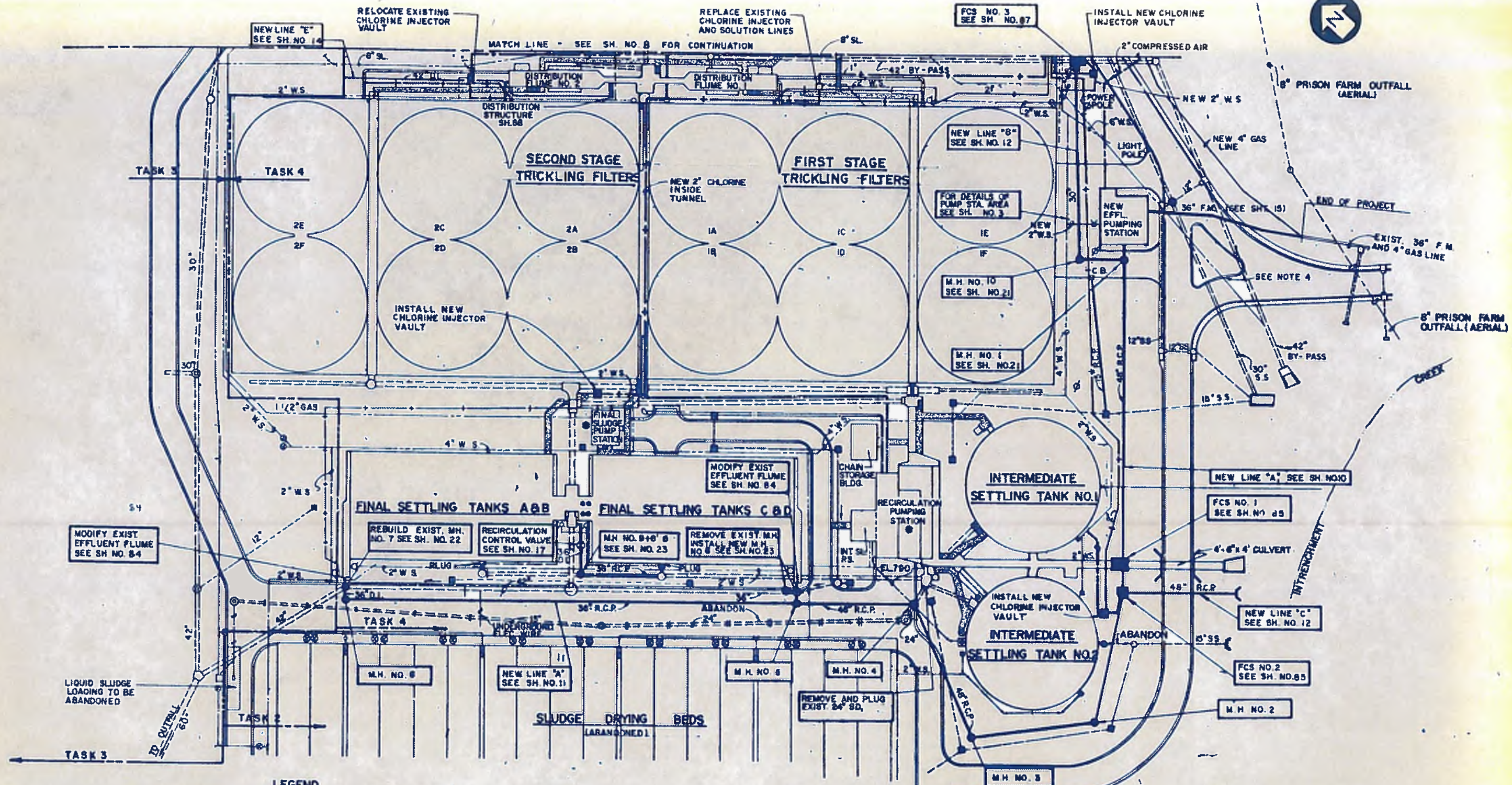
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & FORESTS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LOT: APPROVED
DISTRICT: COUNTY: SHEET NO. **8**

DATE: MAY 12, 1982
DRAWING NO. 4-P-2

MRP APPROVED
RJD
BLS
SCALE: 1" = 40'
DATE: MAY 12, 1982
DRAWING NO. 4-P-2



MODIFY EXIST EFFLUENT FLUME SEE SH. NO. 84

LIQUID SLUDGE LOADING TO BE ABANDONED

LEGEND

DESCRIPTION	EXISTING	NEW
SEWER LINE	---OR---	---
CHLORINE LINE	---	---
DIGESTER GAS, WATER LINES & OTHERS AS NOTED	---	---
GATE VALVE	⊙	⊙
MANHOLE	⊙	⊙
HYDRANT	⊙	⊙
PAVED ROAD	====	====
SIDEWALK	====	====
AUTOMATE VALVES	⊙	⊙
POWER POLE	⊙	⊙

ABBREVIATIONS

F.C.S.	- FLOW CONTROL STRUCTURE
J.S.	- JUNCTION STRUCTURE
M.H.	- MANHOLE
R.C.P.	- REINFORCED CONCRETE PIPE
W.S.	- WATER SERVICE
C.B.	- CATCH BASIN

- NOTES**
1. FOR TYPICAL TRENCH DETAIL SEE SH. NO. 23
 2. CONTRACTOR TO REPLACE EXISTING ROAD AND CURB WHICH IS DAMAGED DURING CONSTRUCTION.
 3. ALL PLUGS SHALL BE WATER TIGHT GROUTED MASONRY
 4. REPLACE CURB AND SHRUBBERY PAVE TO MATCH EXIST. ROADWAY
 5. FOR CHLORINE INJECTOR VAULT AND DIFFUSER INSTALLATION DETAIL SEE SHEET 24



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INTRENCHMENT CREEK PLANT MODIFICATIONS
GENERAL LAYOUT PIPING PLAN



CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREET
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

NO.	DATE	BY	DESCRIPTION	PLACED

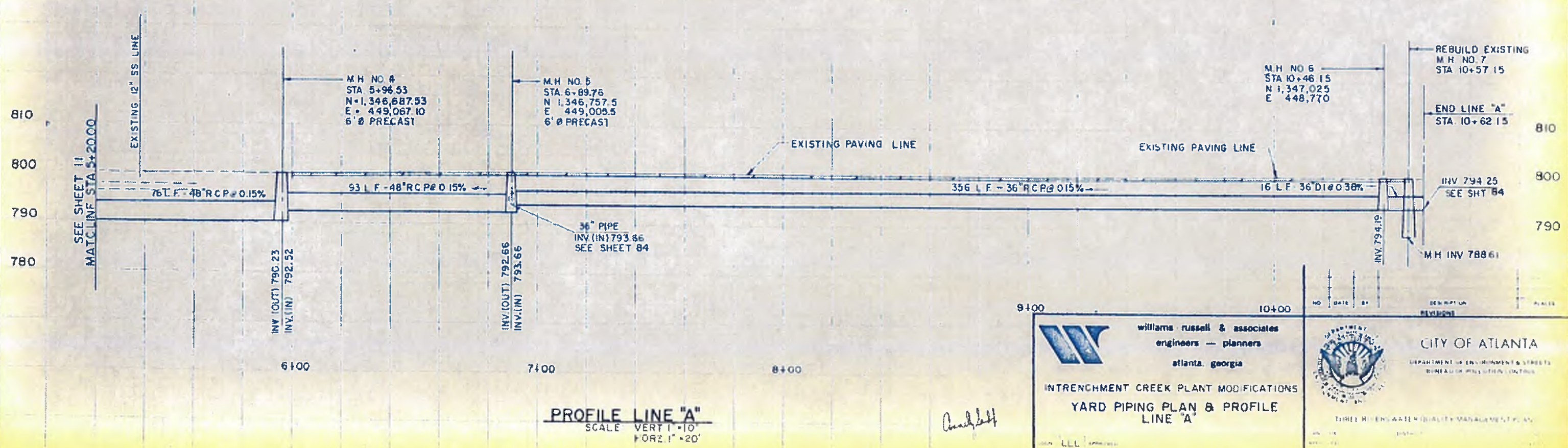
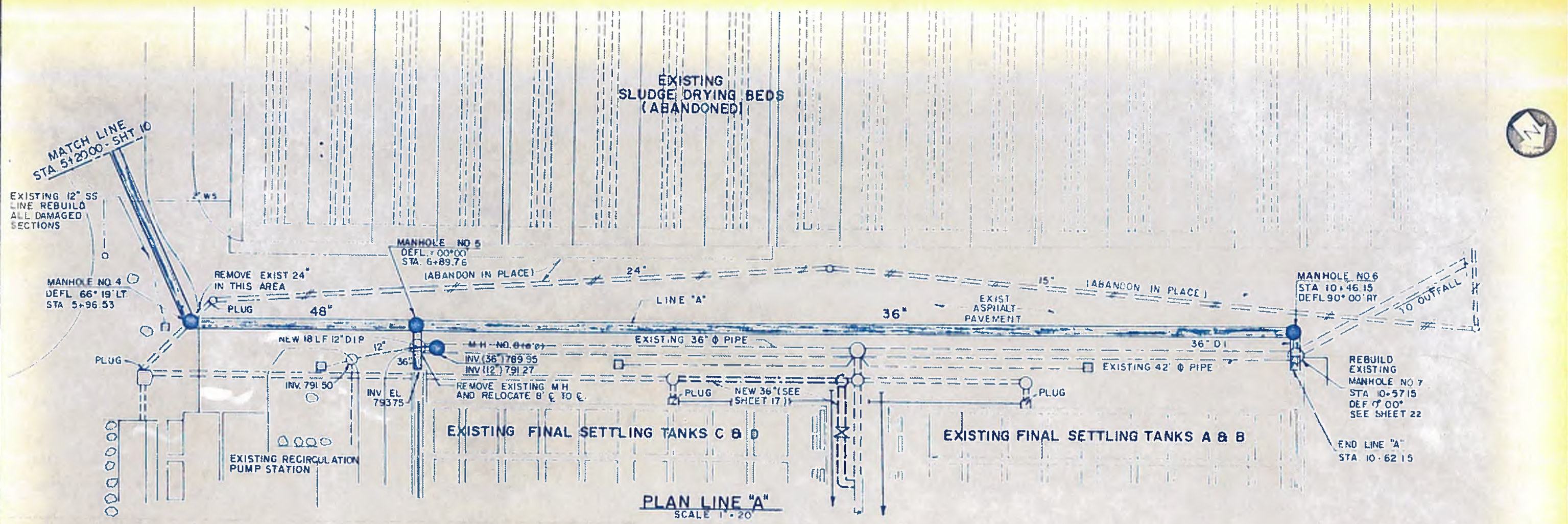
DESIGNER	MRP	APPROVED	
DRAWN	RJD		
CHECKED	BLB		

SCALE 1" = 40'

DATE MAY 10, 1982

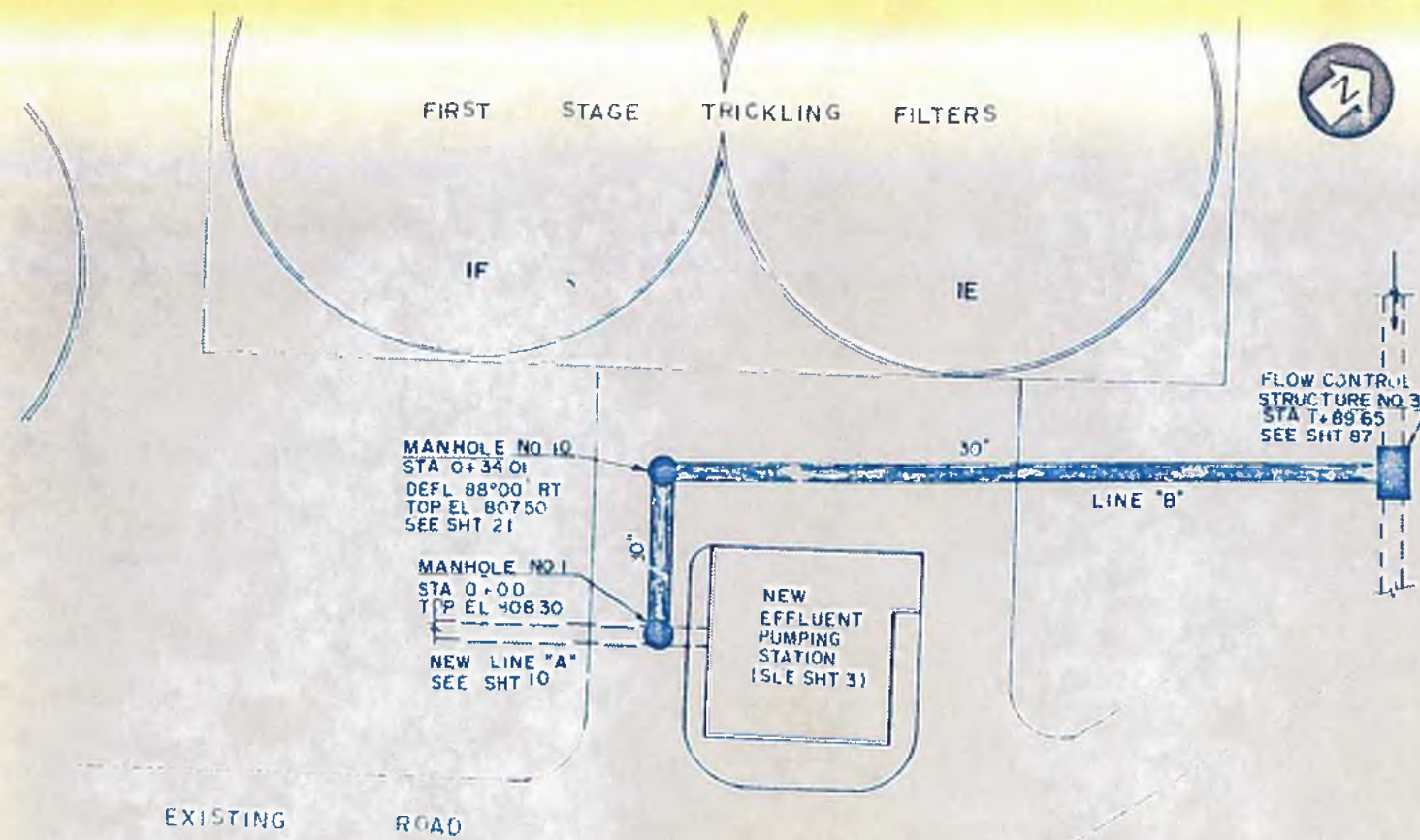
DRAWING NO. 4-P-3

9

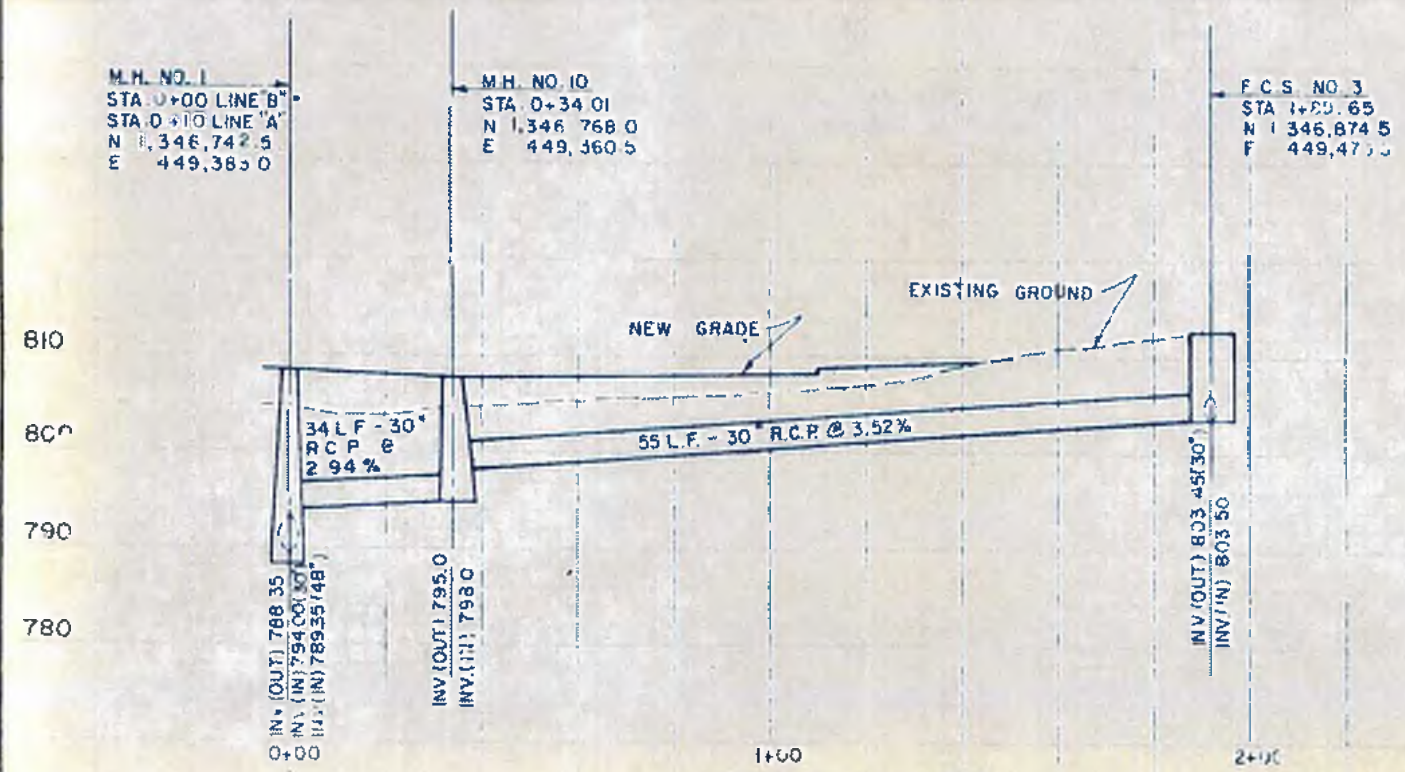


<p>williams russell & associates engineers — planners atlanta, georgia</p>		<p>CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL</p>	
<p>INTRENCHMENT CREEK PLANT MODIFICATIONS YARD PIPING PLAN & PROFILE LINE "A"</p>			
<p>DATE: 5/10/98 BY: LLL PROJECT: PJD SCALE: AS SHOWN</p>	<p>DATE: MAY 10, 1988</p>	<p>NO. 10-00</p>	<p>REVISIONS</p>

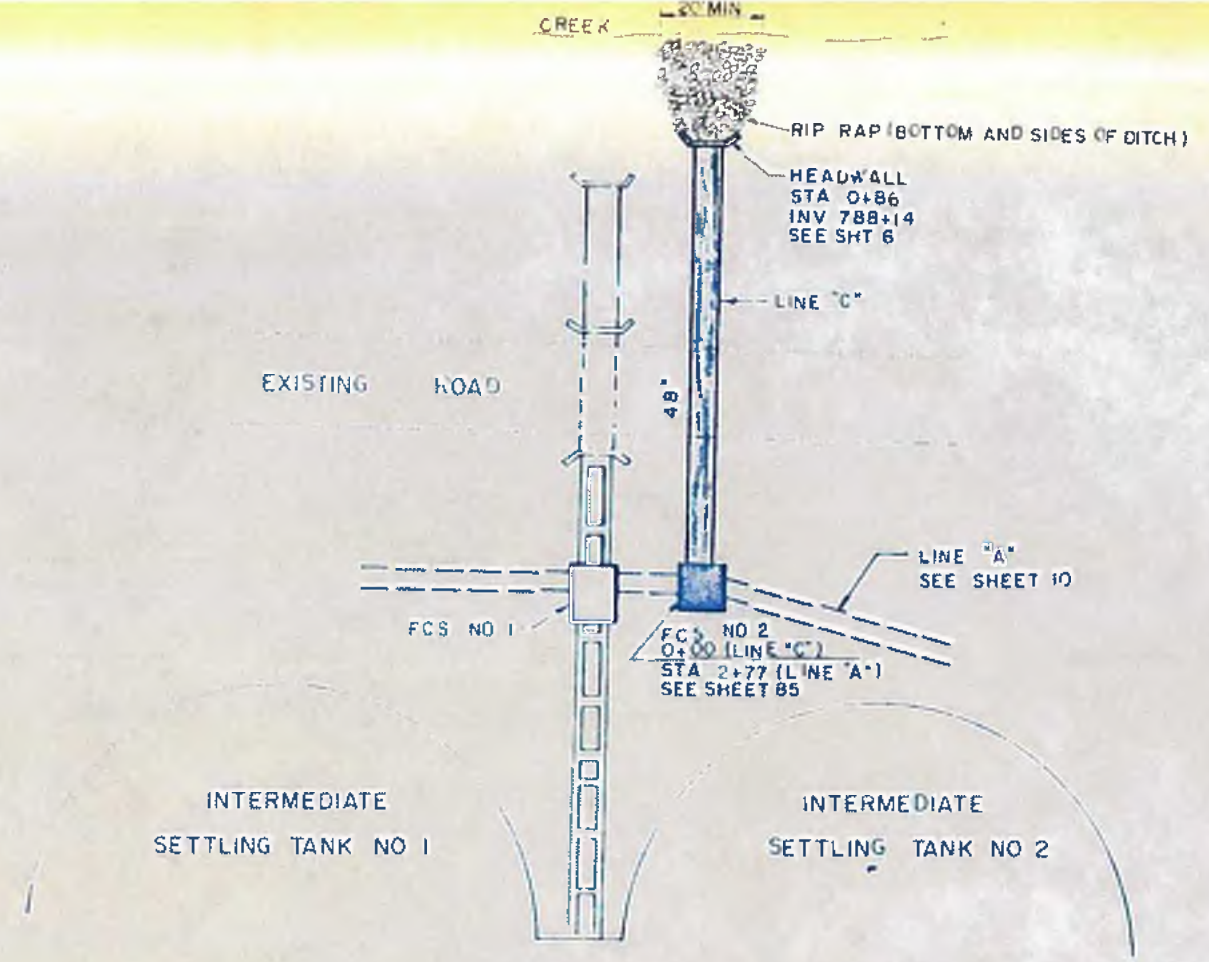
11



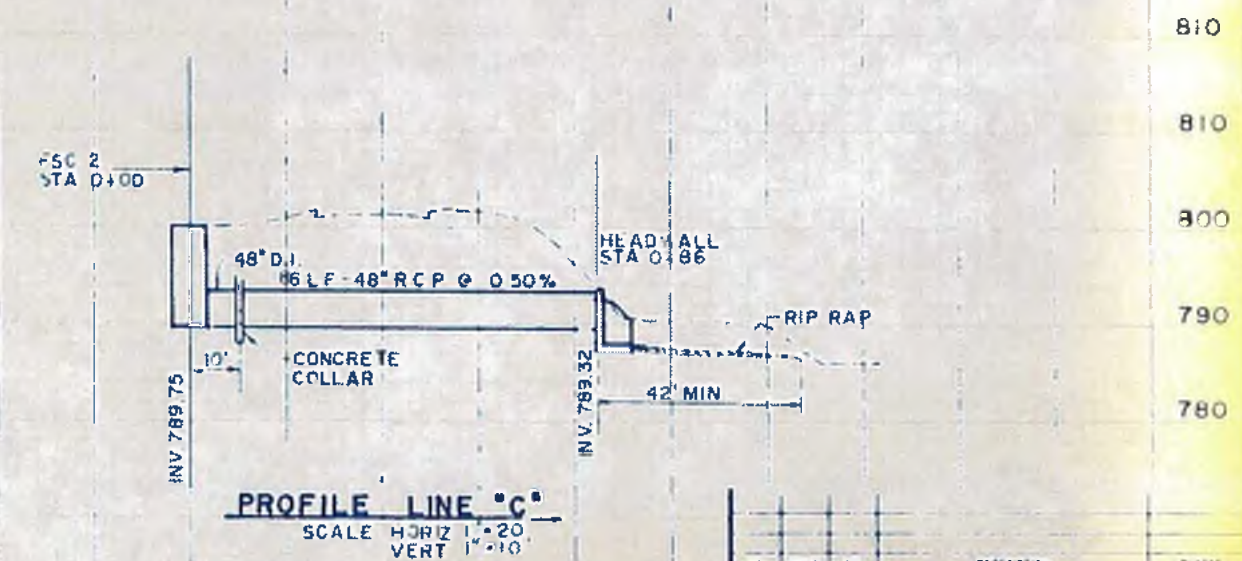
PLAN LINE "B"
SCALE 1" = 20'-0"



PROFILE LINE "B"
SCALE: HORIZ 1" = 20'
VERT. 1" = 10'

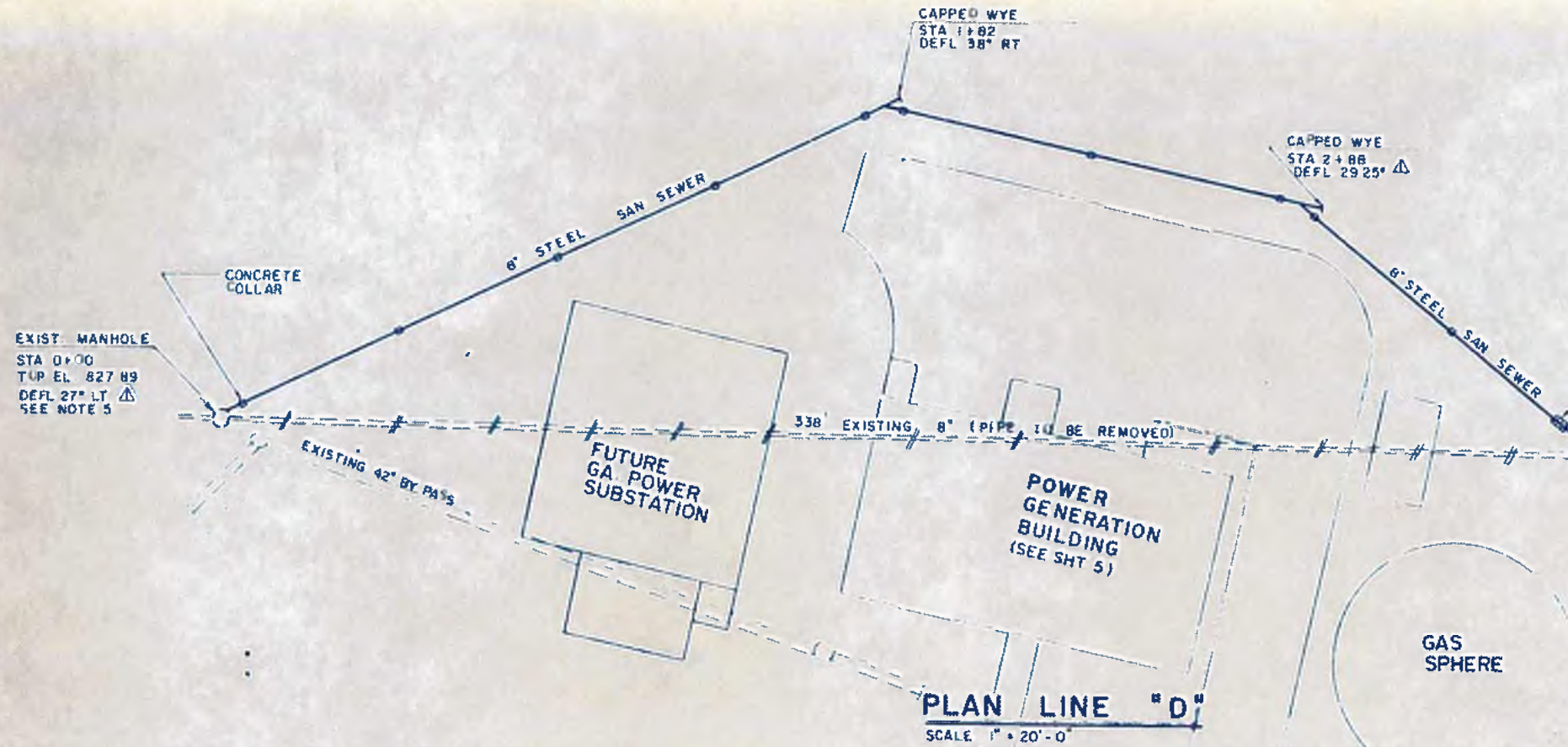


PLAN LINE "C"
SCALE 1" = 20'-0"

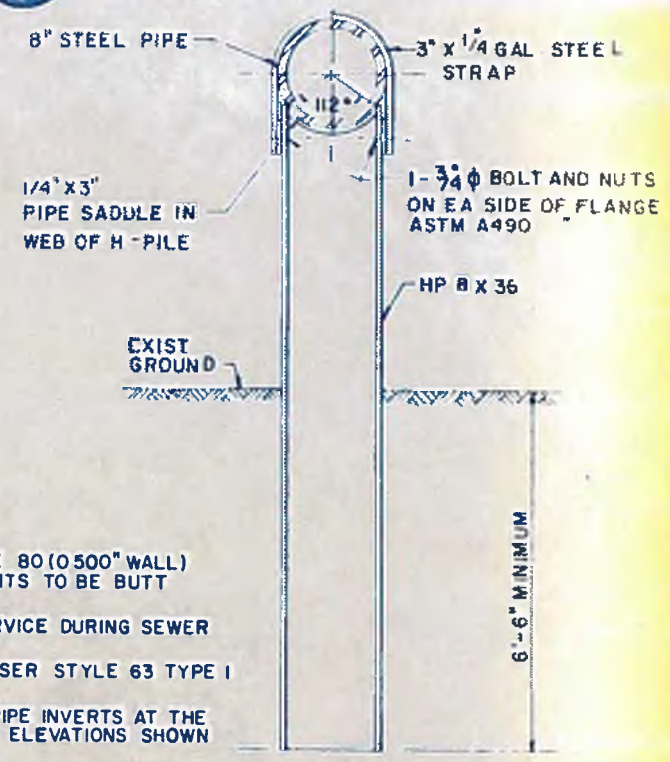


PROFILE LINE "C"
SCALE: HORIZ 1" = 20'
VERT. 1" = 10'

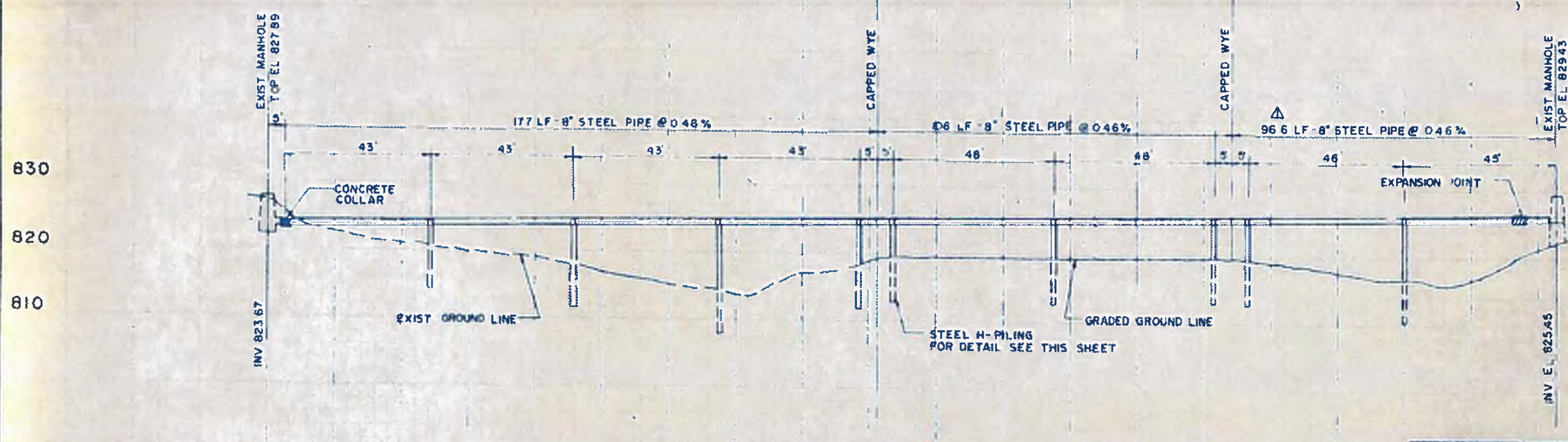
<p>williams-russell & associates engineers — planners</p> <p>atlanta, georgia</p> <p>INTRENCHMENT CREEK PLANT MODIFICATIONS</p> <p>YARD PIPING PLAN & PROFILE LINE "B" & "C"</p>		<p>CITY OF ATLANTA</p> <p>DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL</p> <p>THREE RIVERS WATER QUALITY MANAGEMENT PLANS</p>	
<p>DESIGNER: LLL</p> <p>DRAWN: RJD</p> <p>CHECKED: HA</p>	<p>APPROVED:</p>	<p>DATE: MAY 10, 1982</p>	<p>SHEET NO: 12</p>



- NOTES**
- 1 STEEL PIPE SHALL BE SCHEDULE 80 (0.500" WALL) AND PAINTED AND LINED ALL JOINTS TO BE BUTT WELDED SEE SPECIFICATIONS
 - 2 CONTRACTOR SHALL MAINTAIN SERVICE DURING SEWER RELOCATION
 - 3 EXPANSION JOINT SHALL BE DRESSER STYLE 63 TYPE 1 OR APPROVED EQUAL
 - 4 CONTRACTOR SHALL CONSTRUCT PIPE INVERTS AT THE TWO EXISTING MANHOLES TO THE ELEVATIONS SHOWN BELOW
 - 5 INVERTS OF EXISTING MANHOLES SHALL BE REBUILT TO ACCOMMODATE NEW PIPE LOCATIONS



H-PILE DETAIL
SCALE: N T S



PROFILE LINE "D"
SCALE: HORIZ. 1" = 20'
VERT. 1" = 10'

NO.	DATE	BY	DESCRIPTION	PLACES
1	1-10-82	WB	REVISED DEFLECTION ANGLES AND PIPE LENGTH	

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INTRENCHMENT CREEK PLANT MODIFICATIONS
YARD PIPING PLAN & PROFILE
LINE "D"

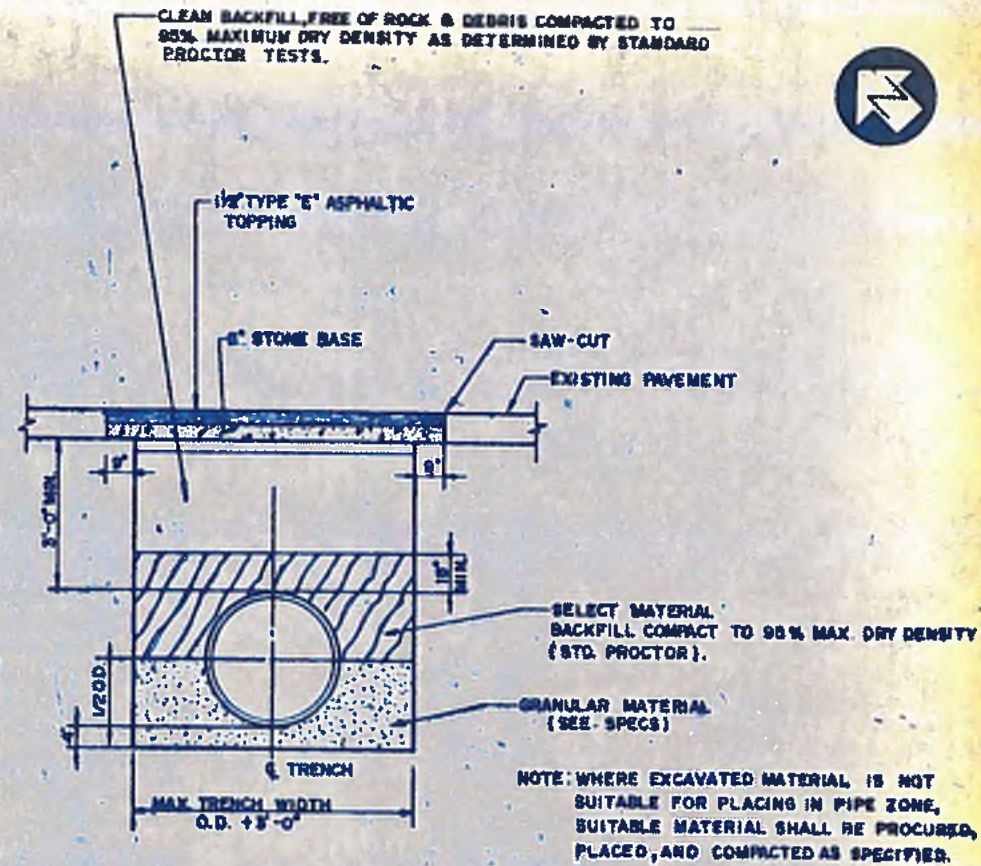
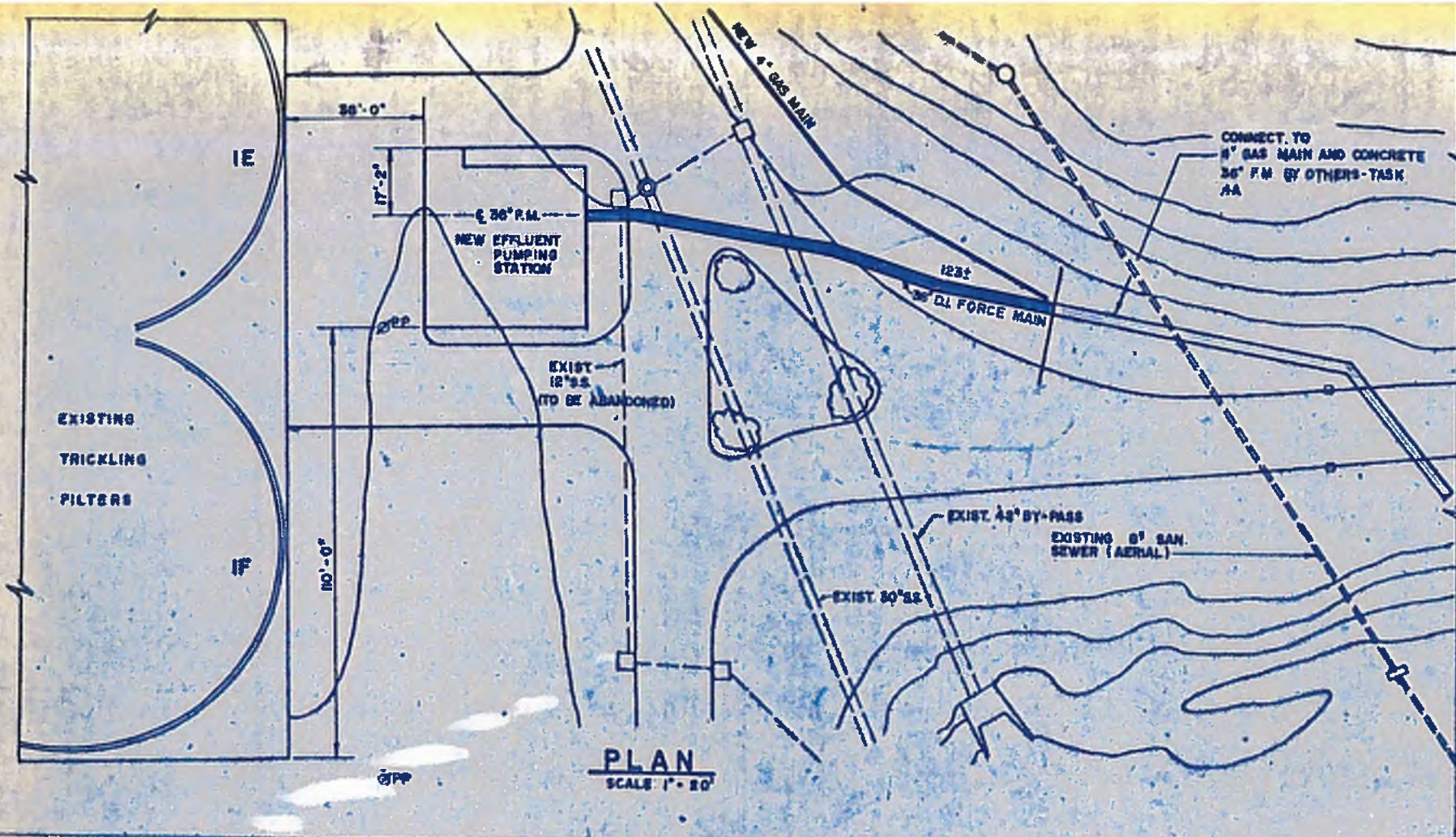
WB
GM
WB AS SHOWN

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

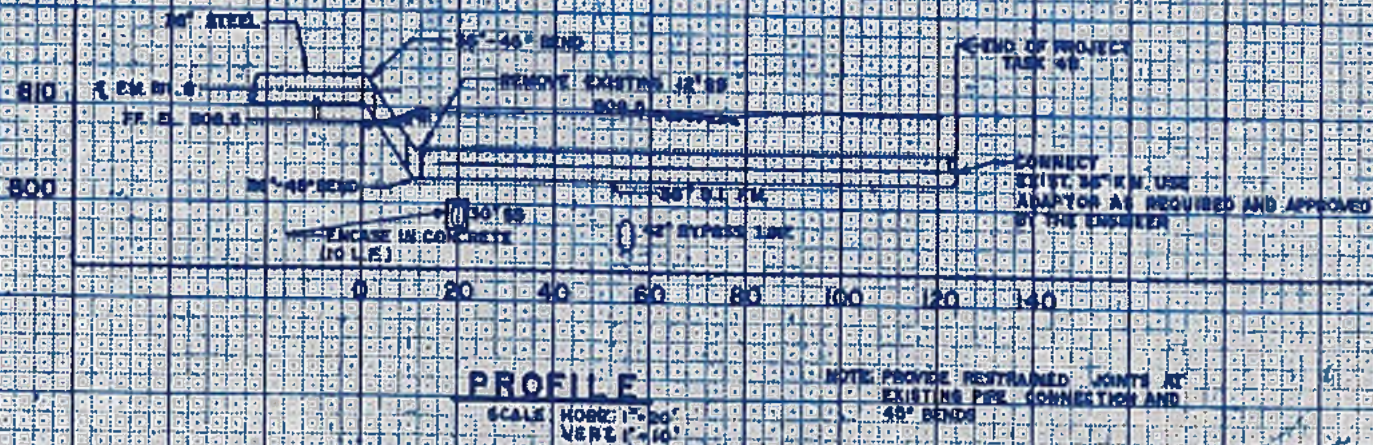
THREE RIVER WATER QUALITY MANAGEMENT PLAN

APPROVED: _____ DATE: _____

4-P-7



FORCE MAIN BEDDING DETAIL
SCALE N.T.S.

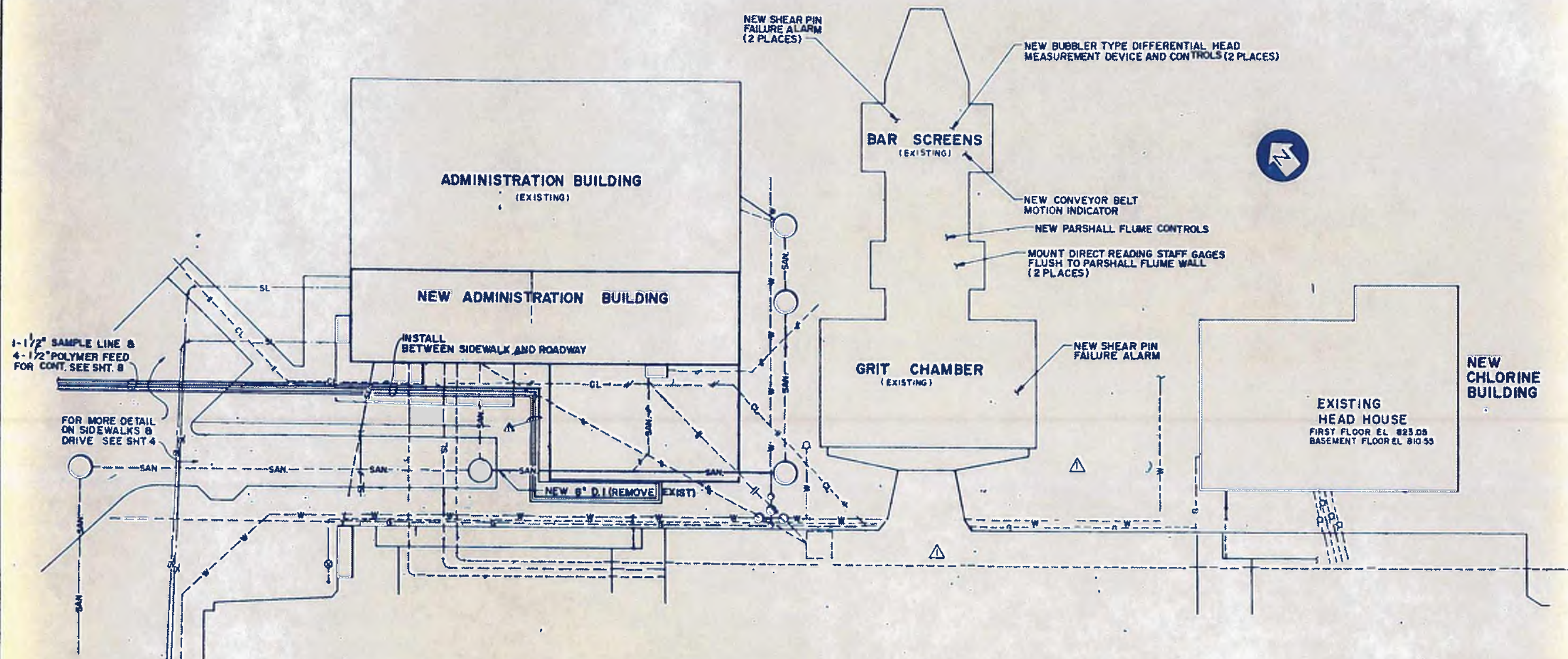


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**INTRINCHMENT CREEK PLANT MODIFICATIONS
FORCE MAIN PLAN AND PROFILE**

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

DESIGN: CCS	APPROVED:	DATE: MAY 10, 1982	DRAWING NO: 4 P-2
OPER: DRV	DATE:		
CHECK: BLS	SCALE: AS SHOWN		



1-1/2" SAMPLE LINE &
4-1/2" POLYMER FEED
FOR CONT. SEE SHT. 8

FOR MORE DETAIL
ON SIDEWALKS &
DRIVE SEE SHT. 4

INSTALL
BETWEEN SIDEWALK AND ROADWAY

NEW 8" D.I. (REMOVE EXIST)

LEGEND

- EXISTING PIPING
- - - EXISTING PIPING TO BE ABANDONED & CAPPED
- NEW PIPING
- CL CHLORINE LINE
- SL SLUDGE LINE
- W WATER LINE
- SAN SANITARY SEWER LINE
- FW FLUSHING WATER LINE
- G GAS LINE

NOTES

- ▲ PROVIDE A MINIMUM COVER OF 3'-0" ON ALL PRESSURE LINES.

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**TRENCHMENT CREEK PLANT MODIFICATIONS
HEADWORKS MODIFICATIONS**



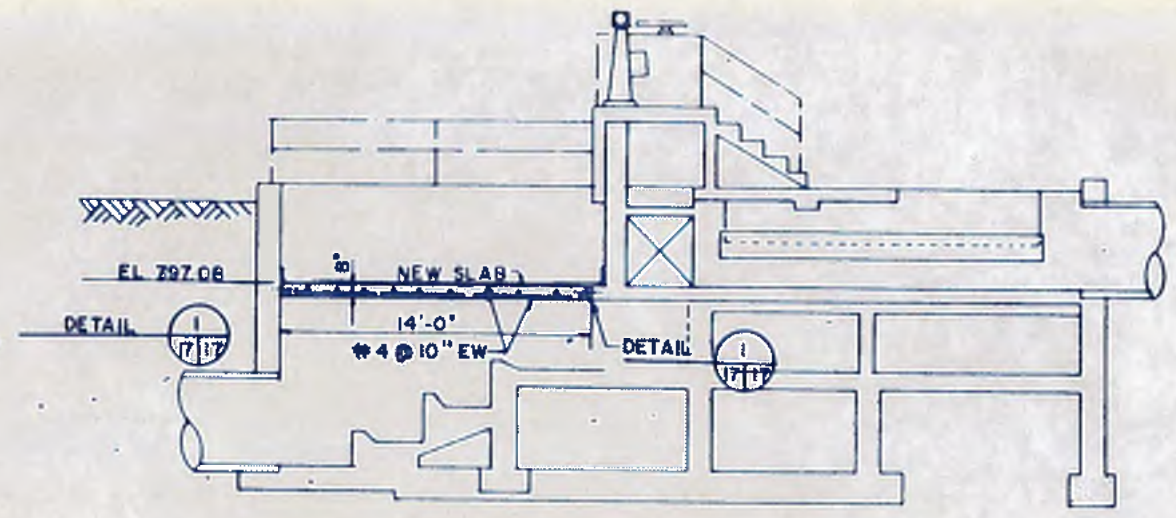
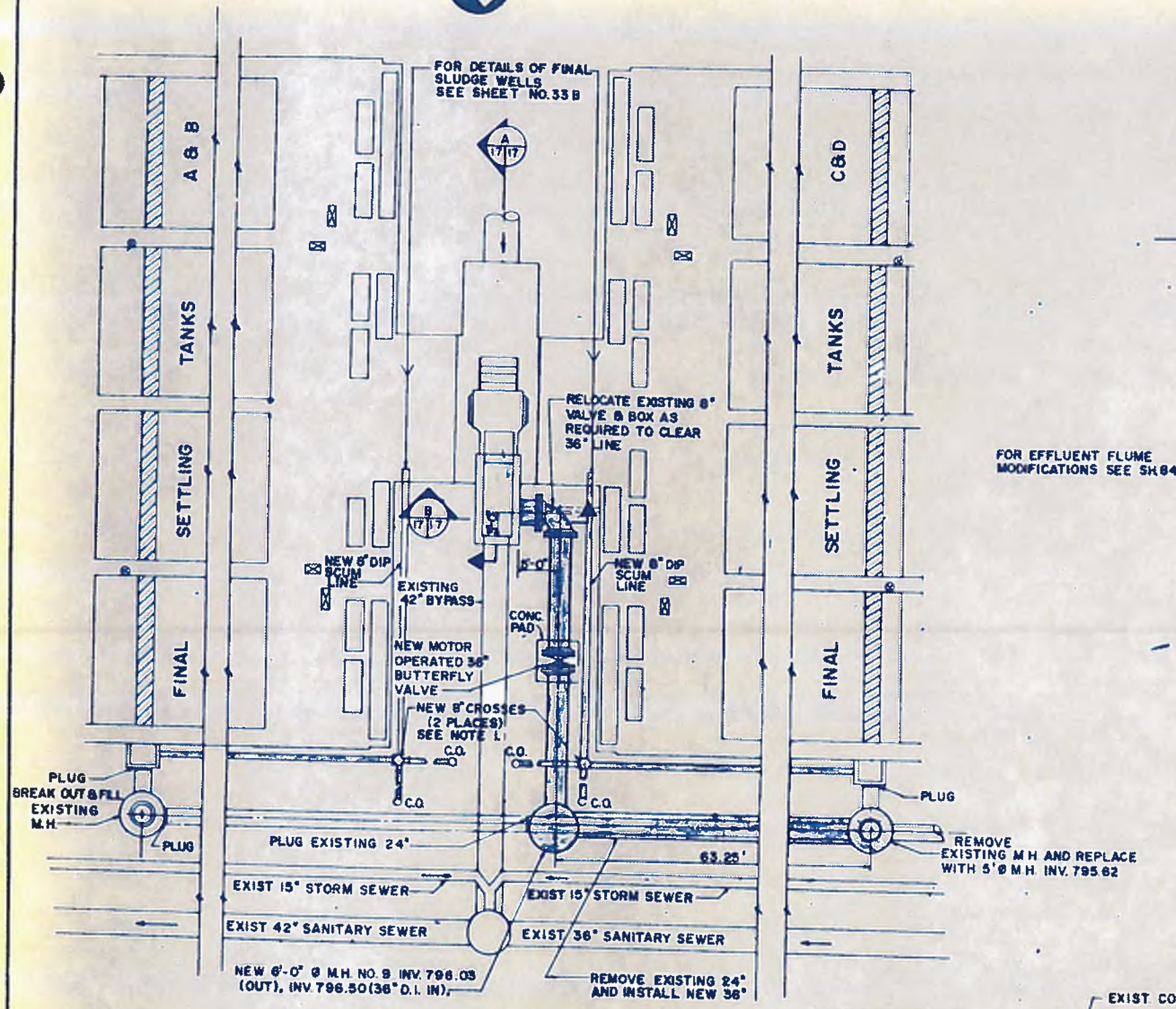
DESIGN BLS APPROVED
CHECK DPV
DATE MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	REVISION
1	9-24		EXTEND POLYMER PIPES	APP NO. 3
2	9-24		DELETE 6" PIPE DELETE ABAND	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

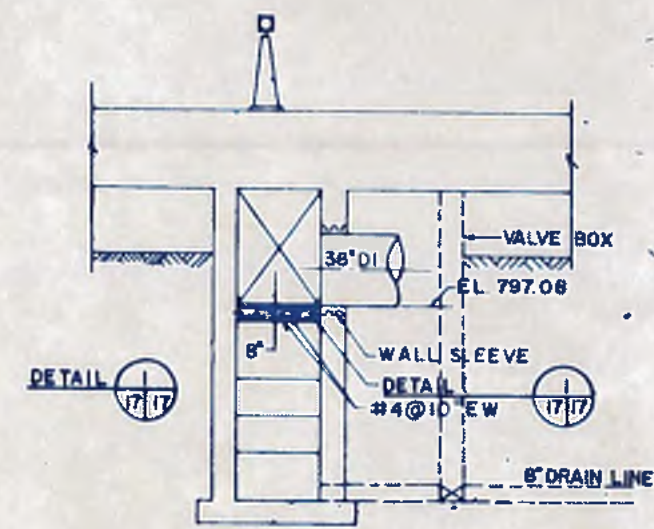
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LIST	DISTRICT	GROUP
APPROVED		
DATE		
PROJECT NO.	4-P-10	

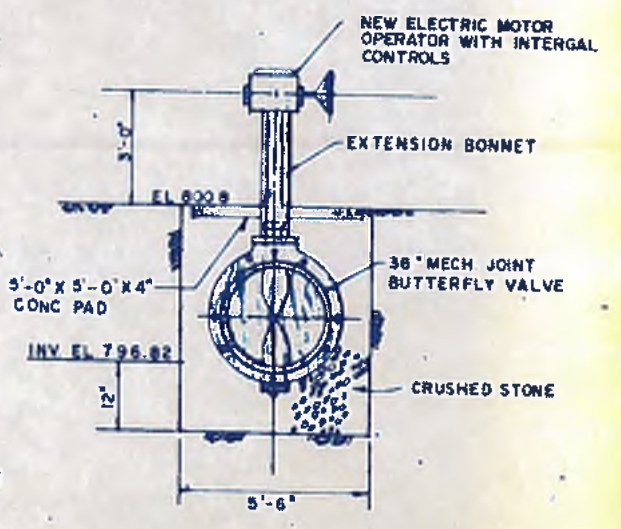


SECTION A
SCALE 1/4"=1'-0"

FOR EFFLUENT FLUME MODIFICATIONS SEE SK 84



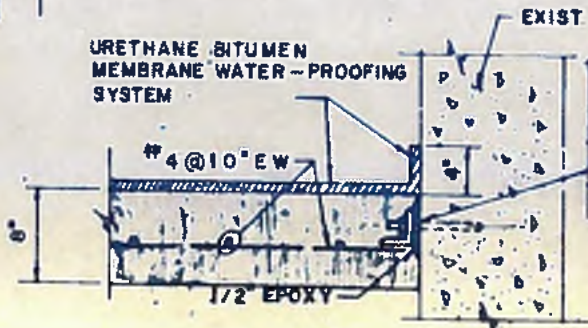
SECTION B
SCALE 1/4"=1'-0"



MOTOR OPERATED BUTTERFLY VALVE
NTS

NOTES
1. ATTACH NEW 8" 45° ELBOW TO OPPOSITE ENDS OF 8" CROSSES WITH EXTENSIONS TO THE GROUND SURFACE FOR CLEAN-OUTS WITH BLIND FLANGES (4 PLACES)

PLAN - FINAL SETTLING TANKS
SCALE 1/8"=1'-0"




DETAIL I
SCALE NTS

DRILL HOLES INTO EXIST CONC & BOLT L 3x3x3/8 IN PLACE WITH 3/4" EXPANSION BOLTS @ 18" ON CENTER. WELD REINF BARS TO ANGLE

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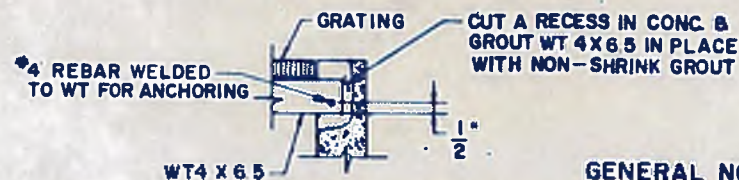
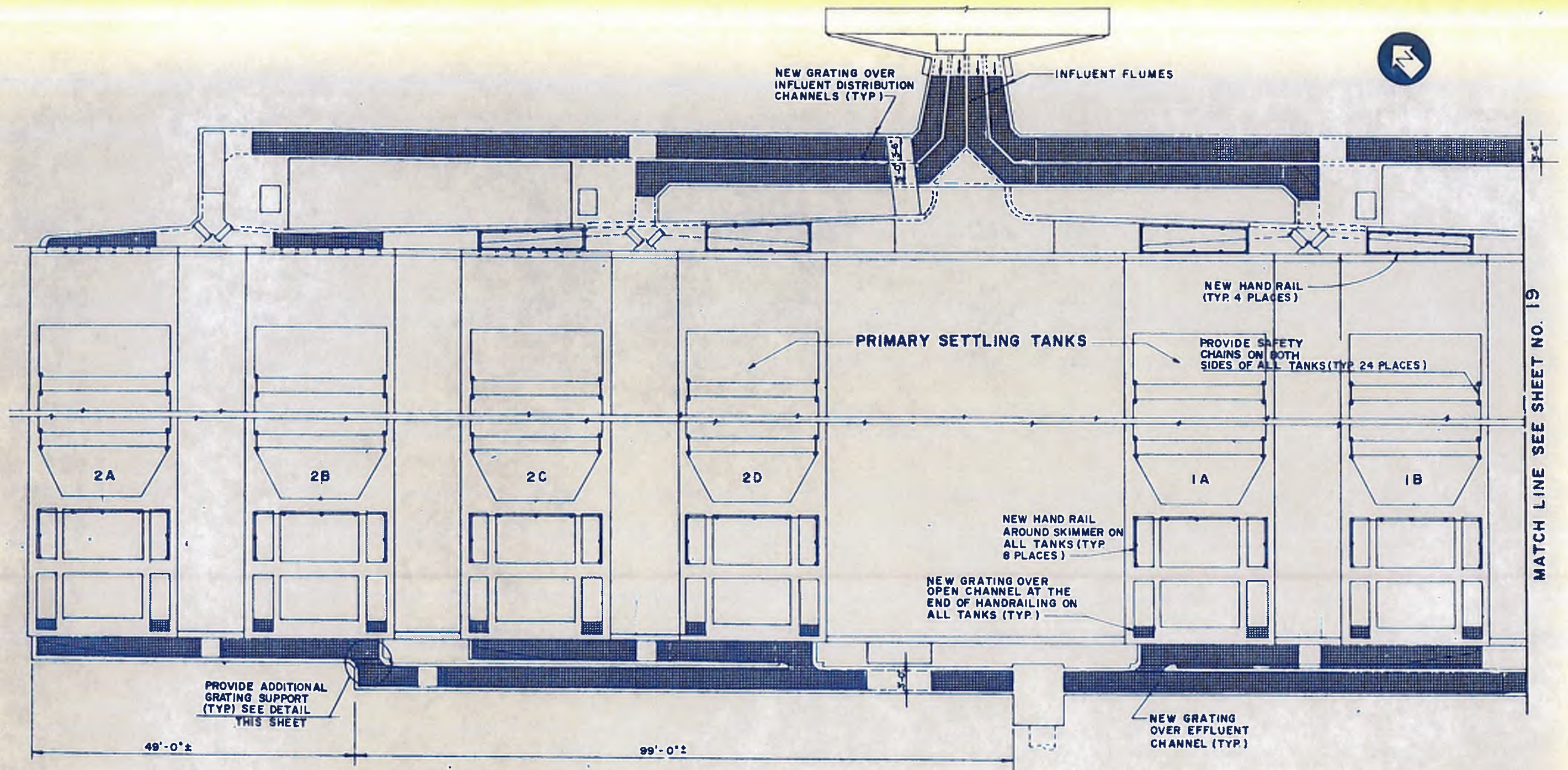
INTRENCHMENT CREEK PLANT MODIFICATION
FINAL SETTLING TANKS



NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				
 CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND LOT	DISTRICT	COUNTY	SHEET NO.	
APPROVED			17	

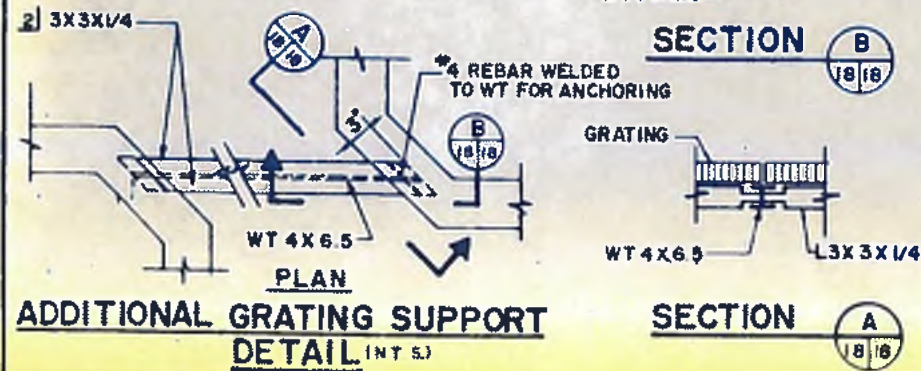
DESIGN	REF	APPROVED	
DRAWN	DCC		
CHECKED	BLS	SCALE AS SHOWN	DATE MAY 10, 1982

DRAWING NO. 4-P-11



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

- GENERAL NOTES:**
- 1 FOR DETAILS OF GRATING AND SUPPORT SEE SHEET NO 20
 - 2 FOR DETAILS ON HAND RAIL SEE SHEET NO 20
 - 3 CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION AND DIMENSIONS OF THE GRATING AND HANDRAIL
 - 4 ALL GRATING AND HAND RAIL SHALL MEET OSHA REQUIREMENTS
 - 5 EXISTING GRATING AND RAILING NOT SHOWN
 - 6 SEE OTHER NOTES ON SHEET 20



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INTRENCHMENT CREEK PLANT MODIFICATIONS
GRATING AND HAND RAILING
PRIMARY SETTLING TANKS

NO.	DATE	BY	DESCRIPTION	PLACES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

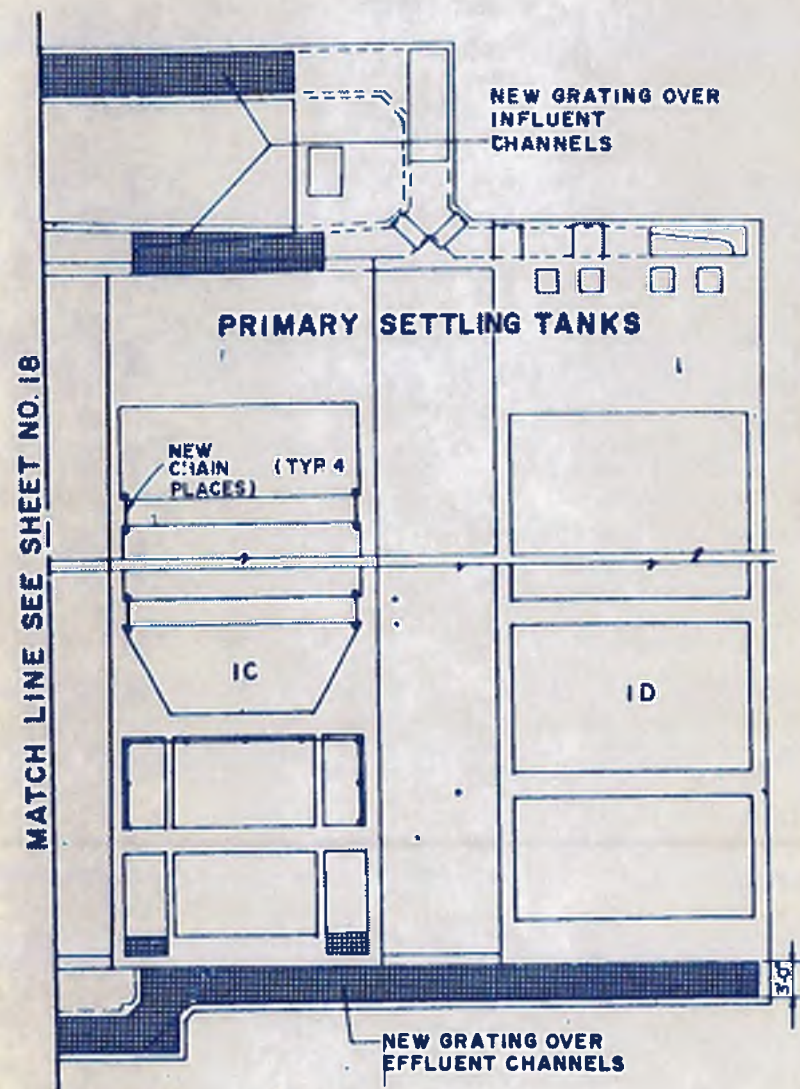
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LOT	DISTRICT	COUNTY

DRW. BY: CCS APPROVED: D.C.C.
DRW. BY: BLS SCALE: AS SHOWN DATE: MAY 10, 1982

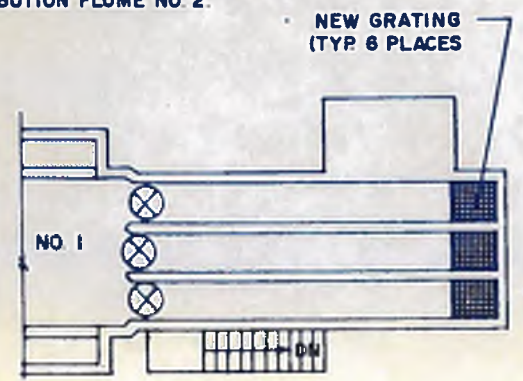
DRAWING NO. 4-P-12

18

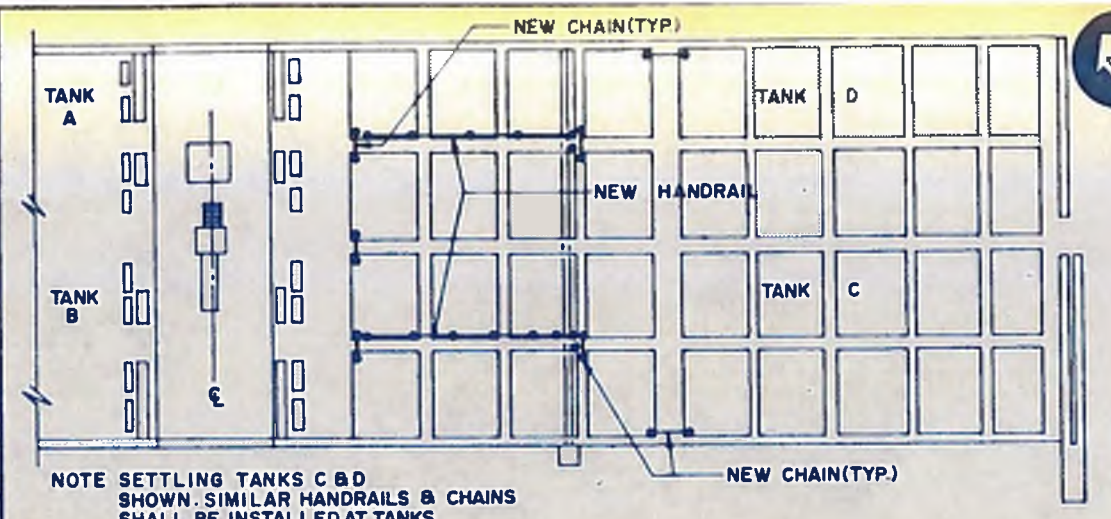


PLAN
SCALE 1/8" = 1'-0"

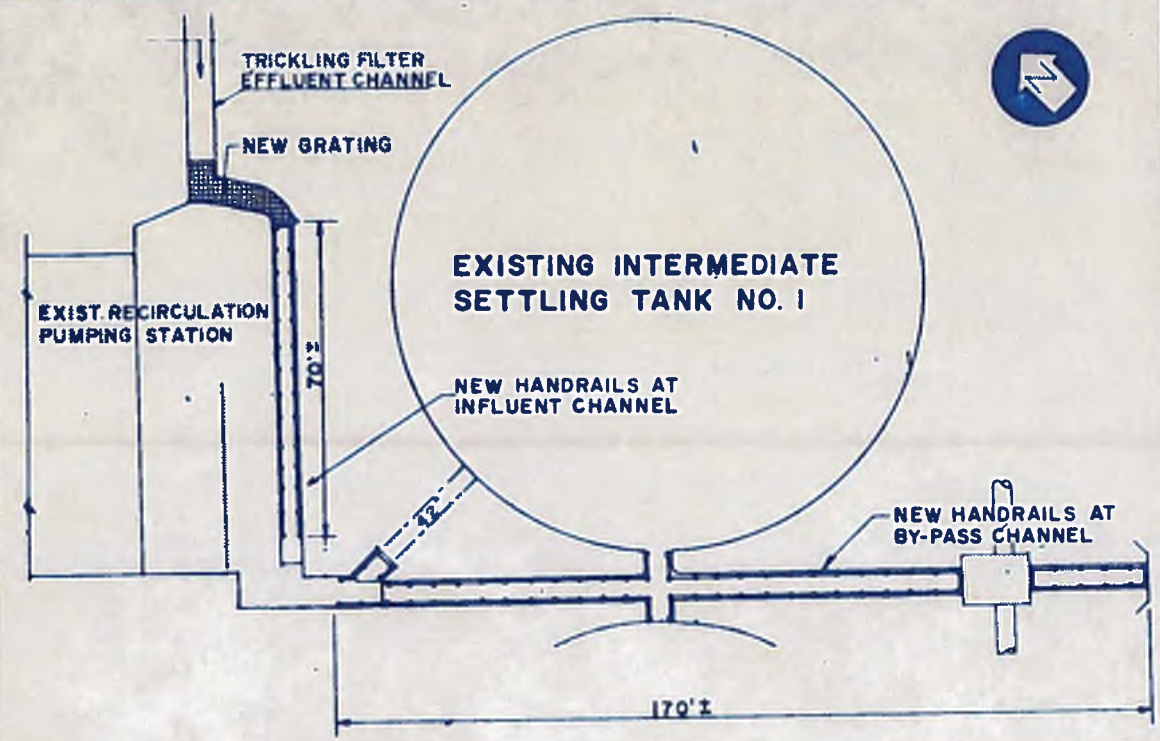
NOTE DISTRIBUTION FLUME NO 1 SHOWN SIMILAR GRATING SHALL BE INSTALLED AT DISTRIBUTION FLUME NO 2.



TRICKLING FILTER DISTRIBUTION FLUMES
NTS

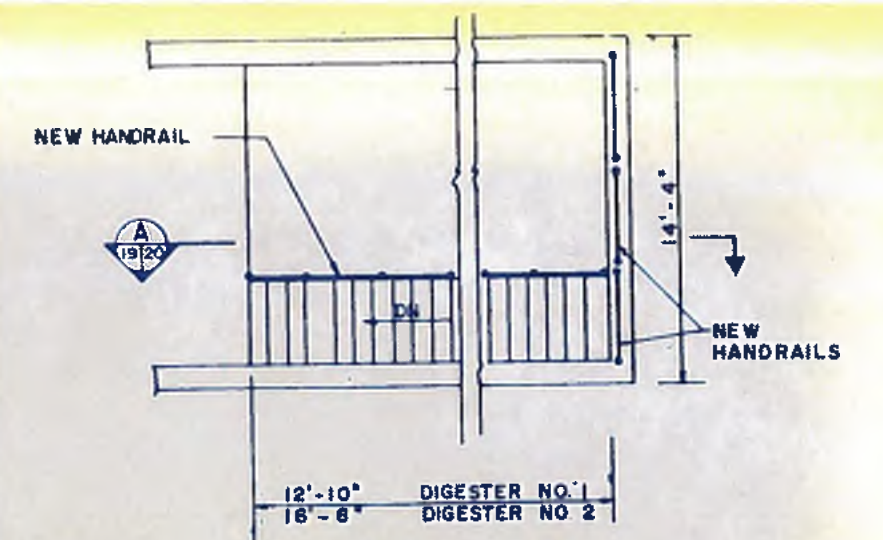


PLAN - FINAL SETTLING TANKS
SCALE 1" = 20'



PLAN
SCALE 1" = 20'

NOTE: SEE GENERAL NOTES ON SHEET 18 ADDITIONAL GRATING AND HANDRAIL ON SH. 88



DETAIL
NTS



PLAN
NTS

- NOTES:**
1. PROVIDE RAILING AS SHOWN AT AREAWAYS FOR DIGESTER NO. 1 AND NO. 2.
 2. PROVIDE NEW RAILING POSTS NEXT TO THE EXISTING RAILING POST. DO NOT CONNECT TO THE EXISTING POST.



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INTRENCHMENT CREEK PLANT MODIFICATIONS
GRATING AND HAND RAILING
VARIOUS LOCATIONS

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

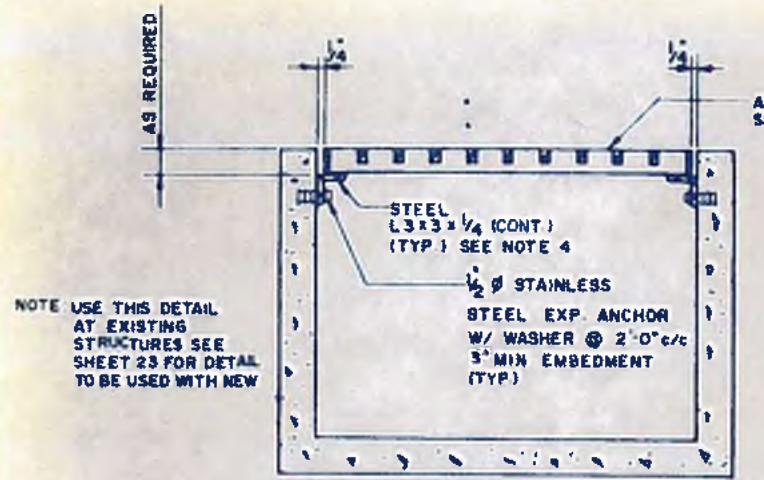
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

NO.	DAYS	BY	DESCRIPTION	PLACE

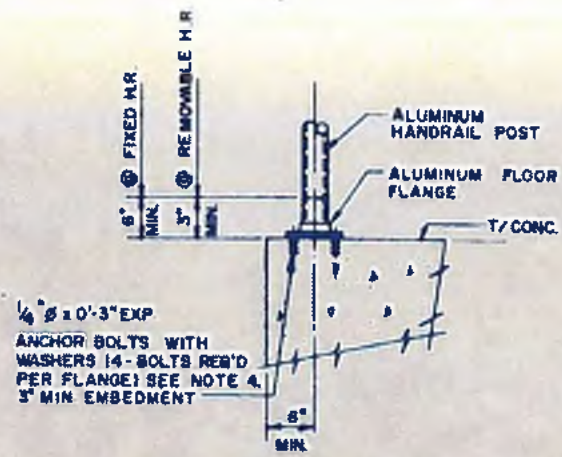
LAND LOT: APPROVED _____ CONTRACT: _____ COUNTY: _____ SHEET NO.: **19**

DATE: **MAY 10, 1982** DRAWING NO: **4-P-13**

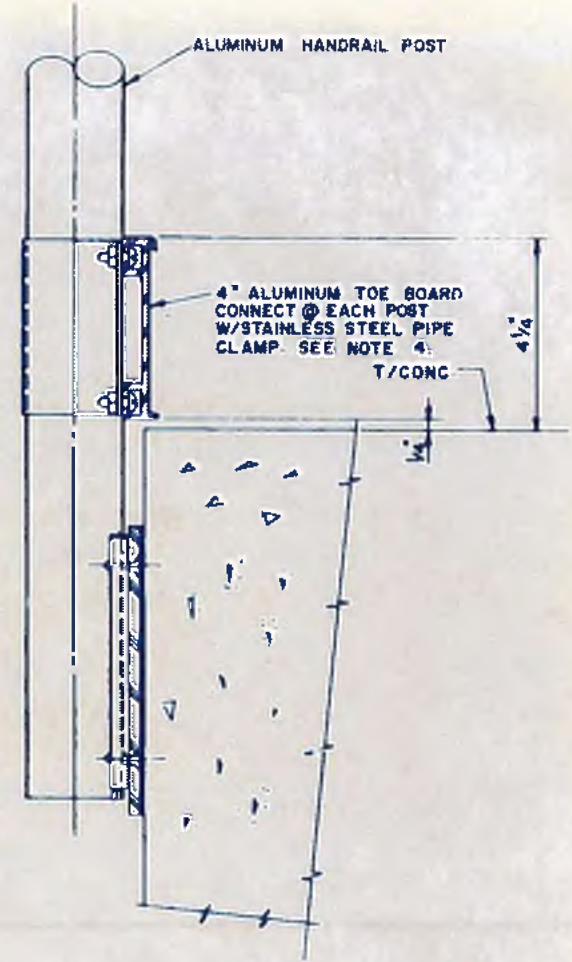
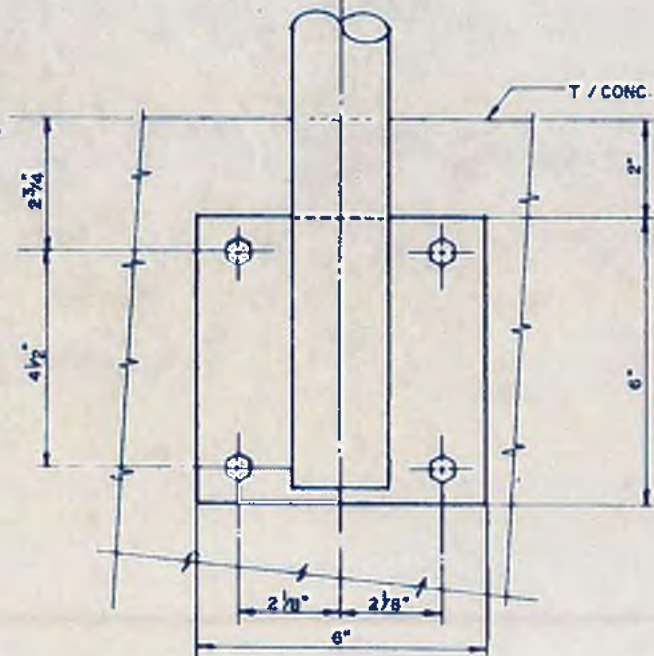
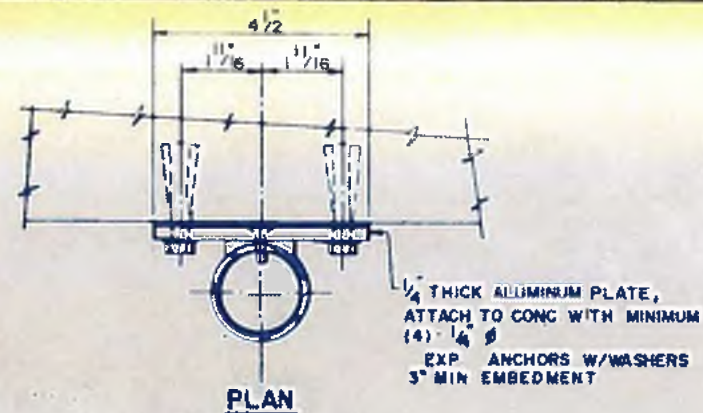
DESIGNER: **C.C.S.** APPROVED
CHECKER: **D.C.C.**
DRAWN BY: **B.L.S.** SCALE: **AS SHOWN** DATE: **MAY 10, 1982**



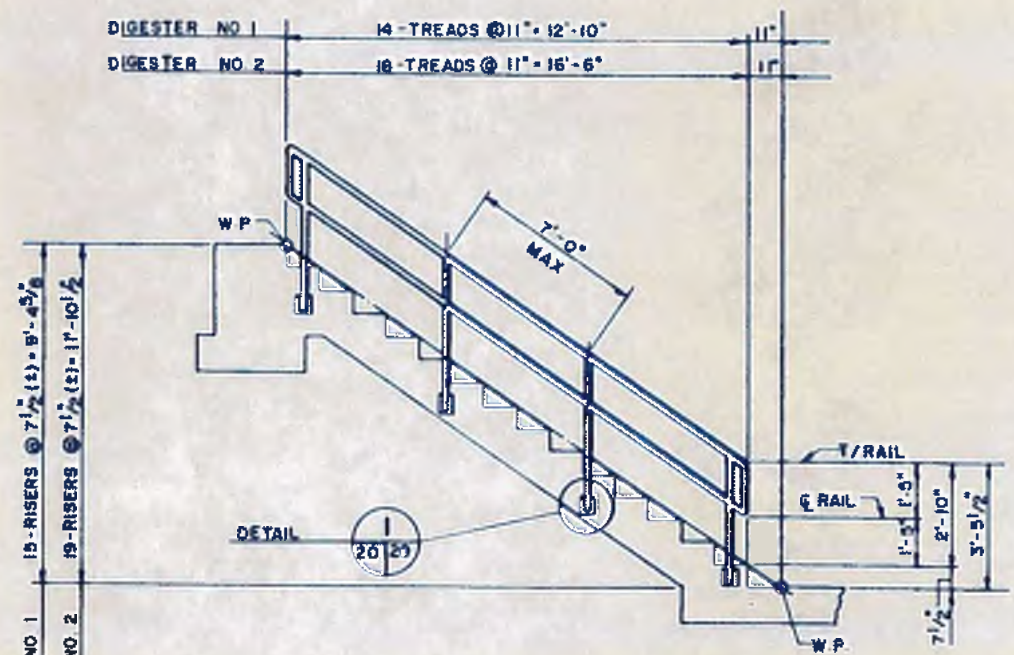
GRATING SUPPORT DETAIL



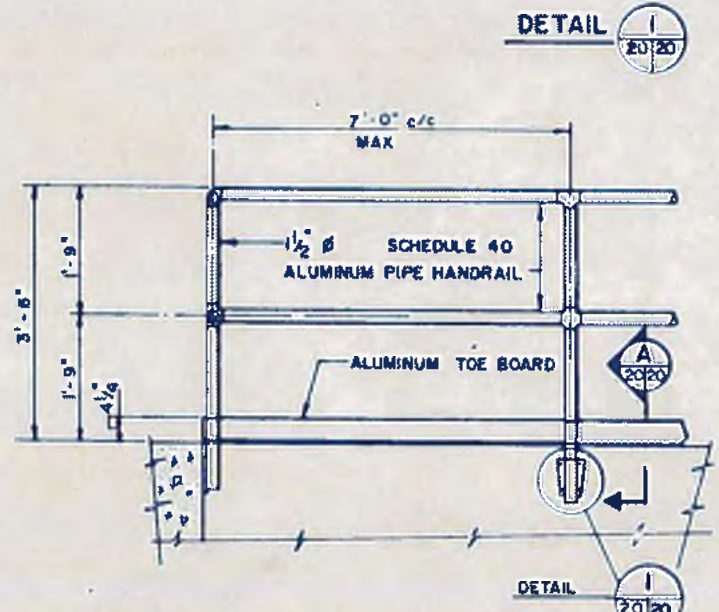
FLOOR MOUNTED HANDRAIL



SECTION A



SECTION A



SIDE MOUNTED HANDRAIL

- NOTES:**
- HANDRAILS, POSTS, BRACKETS AND MOUNTINGS SHALL MEET THE CITY OF ATLANTA AND OSHA LOADING REQUIREMENTS.
 - ALL HANDRAILS SHALL BE 42" HIGH ABOVE FINISH FLOOR UNLESS NOTED OTHERWISE ON THE PLANS. STAIR HANDRAILS SHALL BE 34" HIGH.
 -
 - THERE SHALL BE A BITUMASTIC BOND BREAK IN ANY CASE WHERE TWO DIFFERENT METALS, OR METAL AND CONCRETE ARE FASTENED TOGETHER.
 -
 - AT EXISTING HANDRAILS, NEW RAILING HEIGHT SHALL MATCH THE EXISTING RAILING HEIGHT.

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INTRENCHMENT CREEK PLANT MODIFICATIONS
GRATING AND HANDRAIL DETAILS

DESIGN: C.C.S. APPROVED

DRAWN: V.L.H.

CHECKED: B.L.S. SCALE: N.T.S. DATE: MAY 10, 1982

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

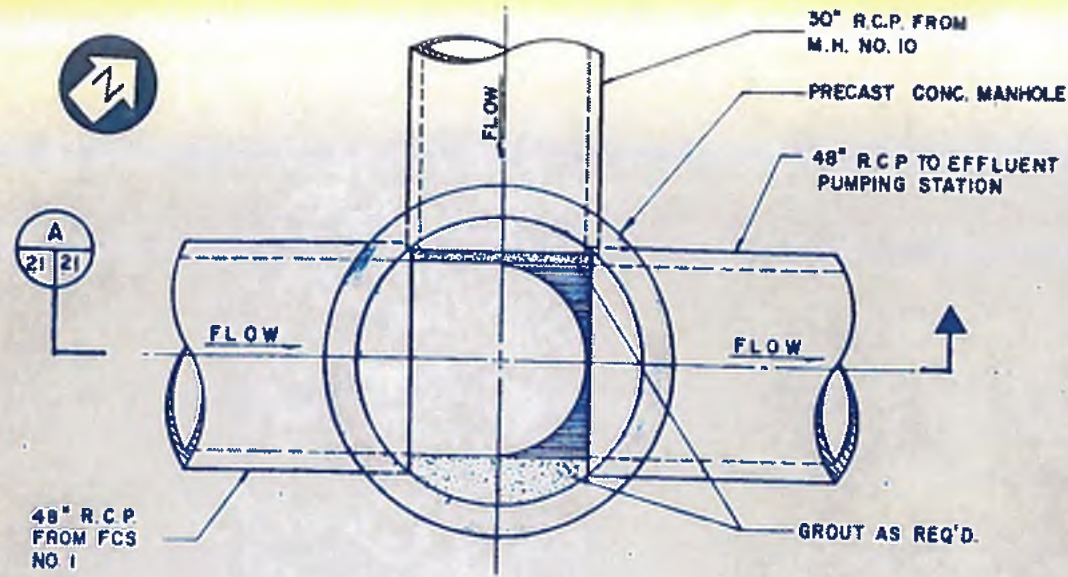
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

NO.	DATE	BY	DESCRIPTION	PLACE
			REVISION	

LAND LOT: DISTRICT: COUNTY: SHEET NO. 20

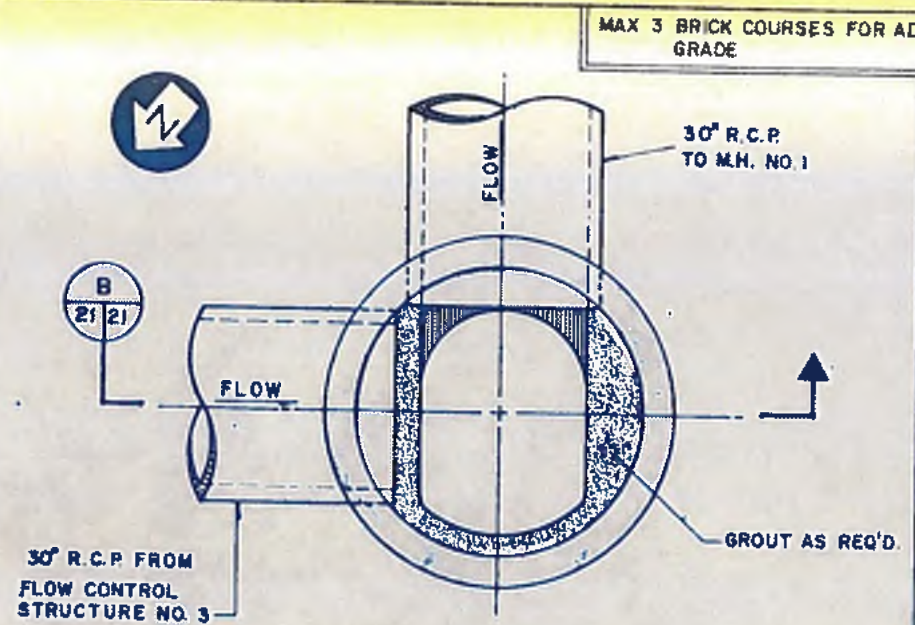
DRAWING NO. 4-P-14





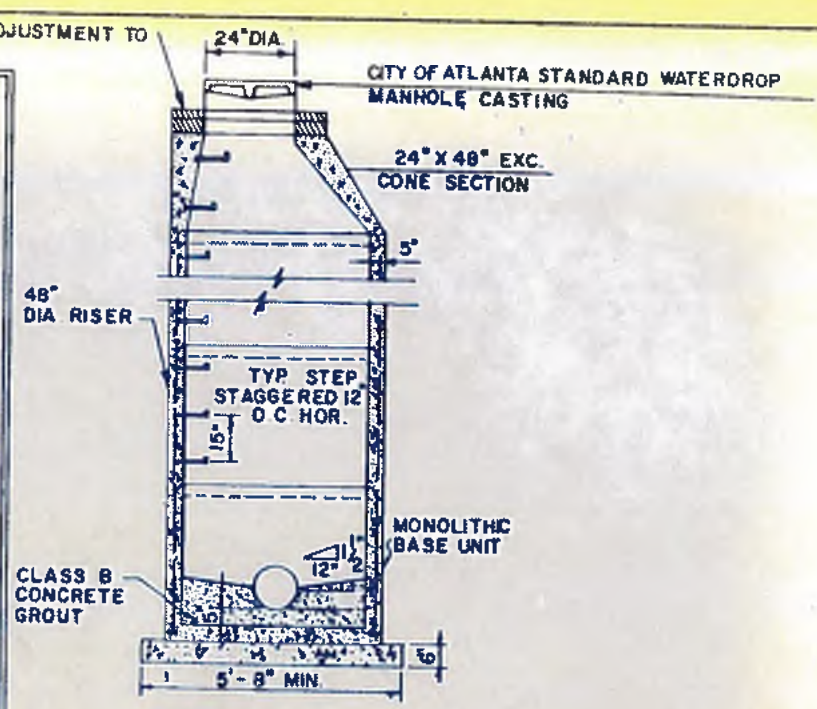
PLAN VIEW — MANHOLE NO. 1

SCALE: $\frac{1}{2}$ " = 1'-0"



PLAN VIEW — MANHOLE NO. 10

SCALE: $\frac{1}{2}$ " = 1'-0"

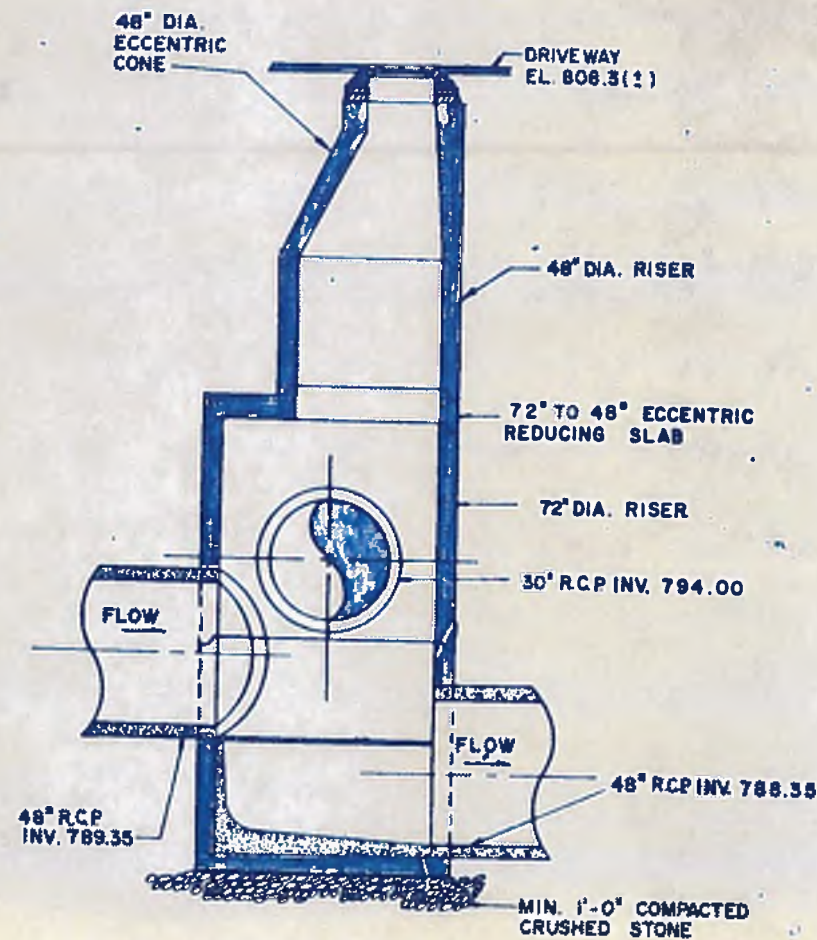


SECTION

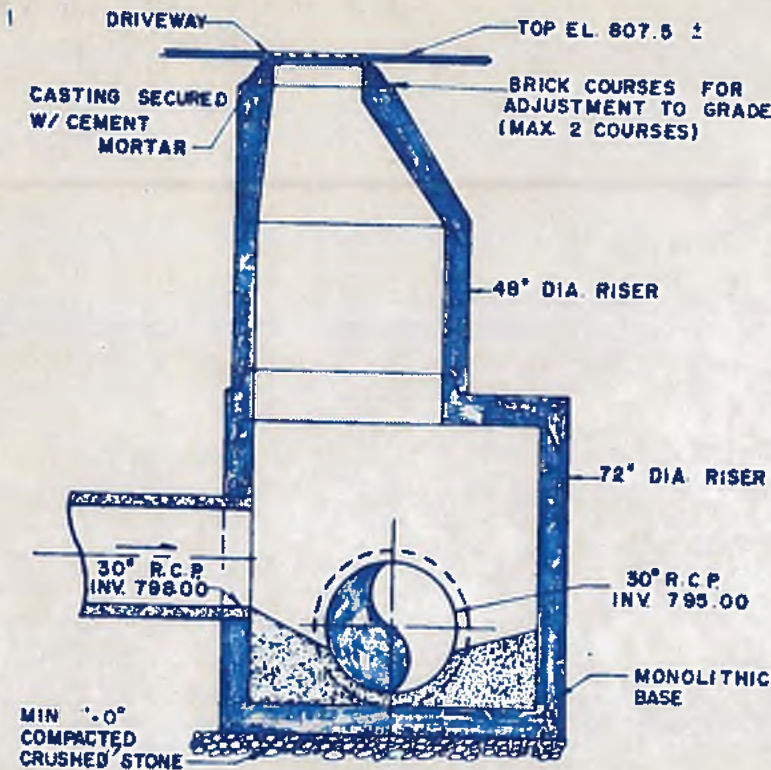
48" PRECAST CONCRETE STANDARD
MANHOLE
N.T.S.

NOTE

PRECAST MANHOLE SHALL BE AS PER ASTM C-478 CONCRETE 4500 PSI OR BETTER.



SECTION A
N.T.S.



SECTION B
N.T.S.

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engineers — planners
atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
MANHOLES 1 & 10
& 48" STANDARD

DATE: MRP APPROVED
DRAWN: VJ
CHKD: CS SCALE: AS SHOWN DATE: MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

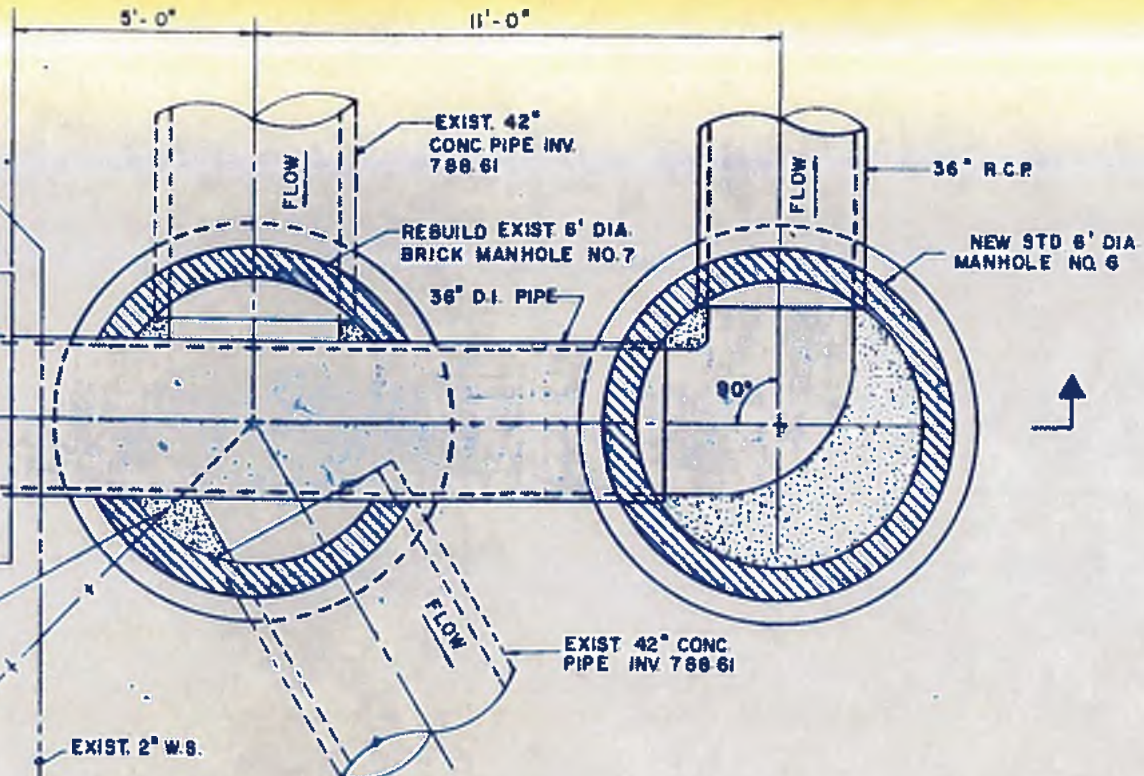
LAND LOT	DISTRICT	COUNTY
APPROVED		
		IN-SHEET NO.
		21



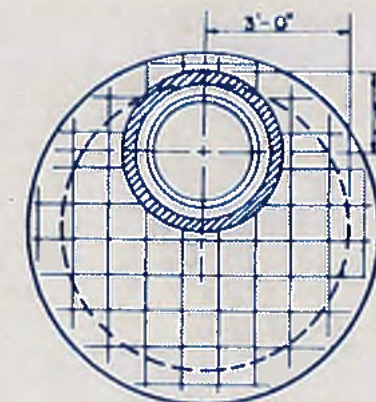


EXIST FINAL SETTLING TANK A&B EFFLUENT FLUME, SEE SH 84

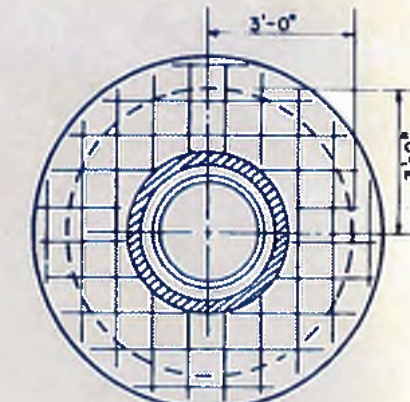
A
22/22



PLAN AT EL. 795
SCALE: 1/2" = 1'-0"

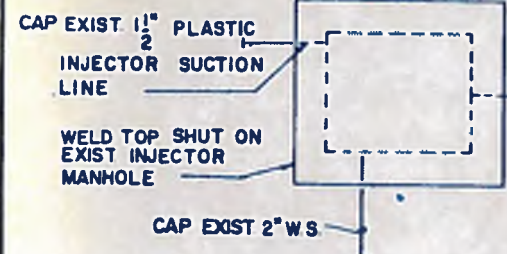


MANHOLE NO. 7



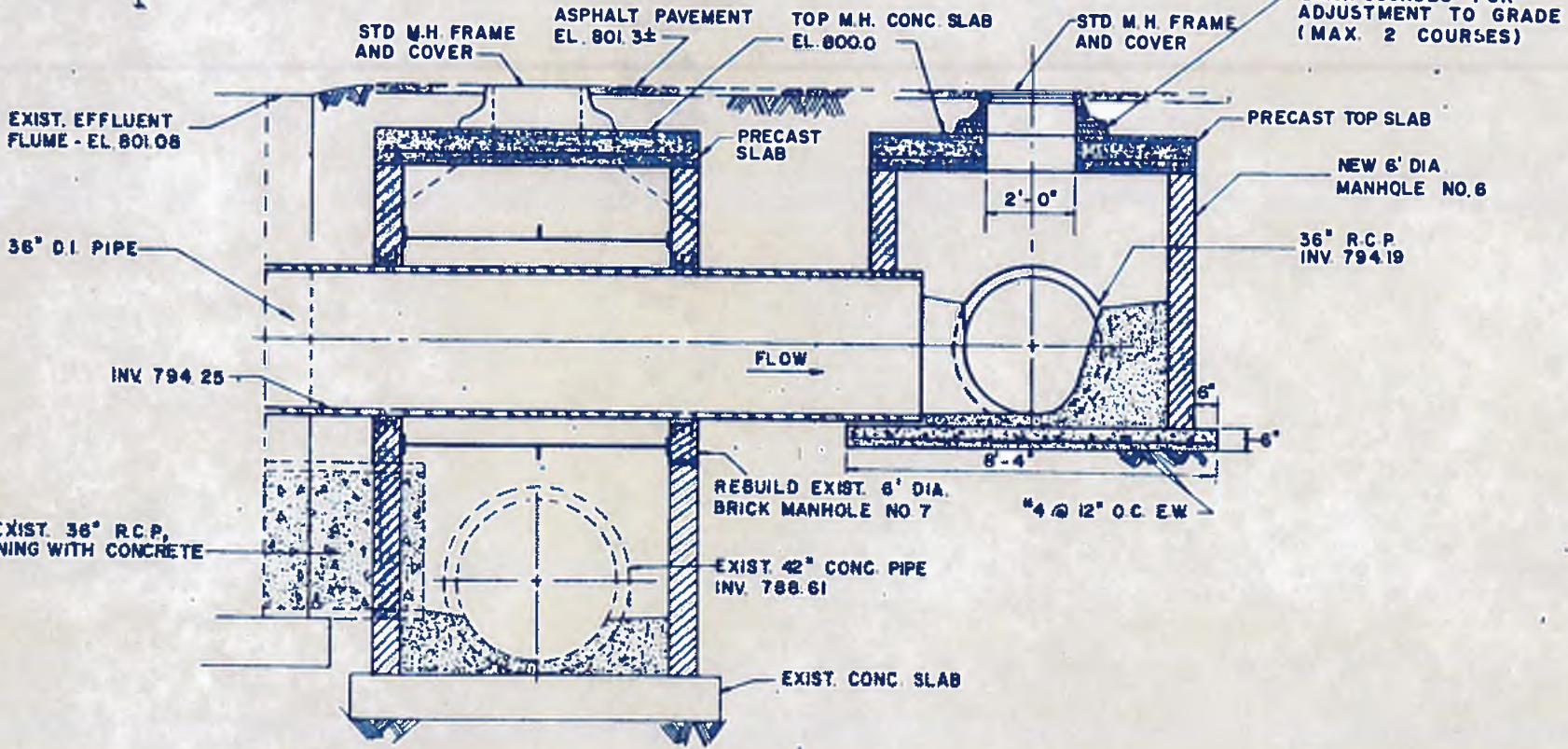
MANHOLE NO. 6

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



REMOVE EXIST CHLORINE LINES & DIFFUSSOR FROM EXIST. MANHOLE NO. 7

EXIST. 2" W.S.



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

A
22/22

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INTRENCHMENT CREEK PLANT MODIFICATIONS
SPECIAL MANHOLE DETAILS
MANHOLES 6 & 7



CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

DRWN	MRP	APPROVED
DRWN	LB	
CHD	CS	SCALE 1/2" = 1'-0"

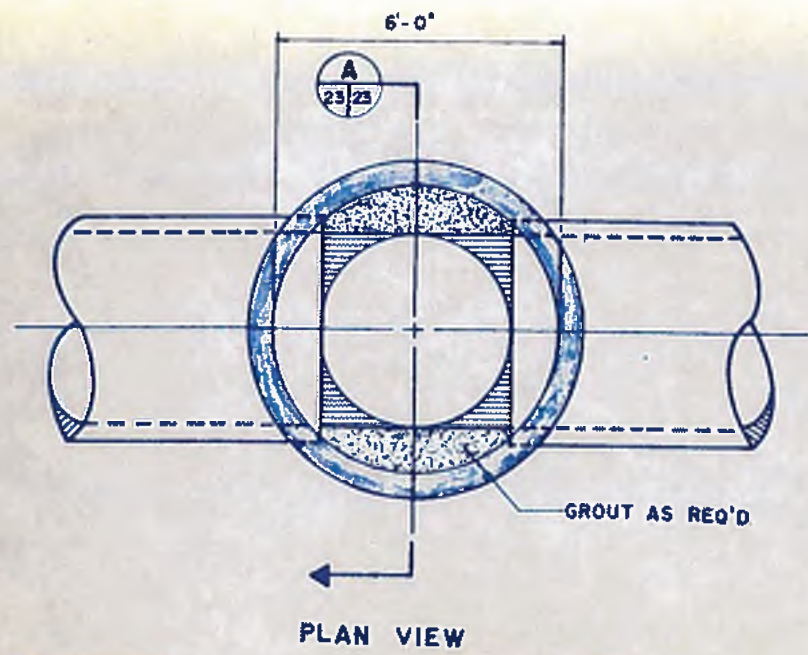
NO.	DATE	BY	DESCRIPTION	PLANS
LAND LOT	DISTRICT	QUALITY	SHEET NO.	
			22	

Conroy

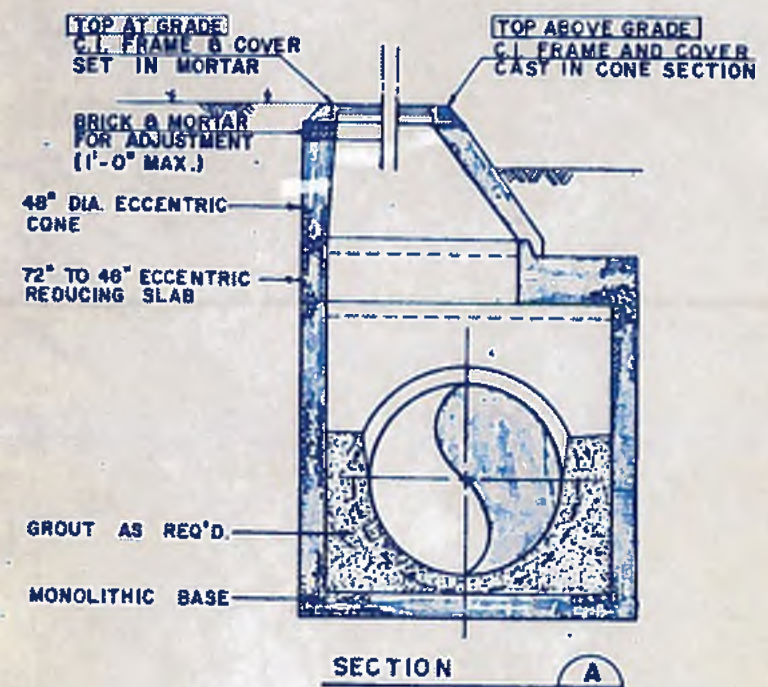
MAY 10, 1982

4-P-16

NOTE: THIS DETAIL TO BE USED WITH NEW CONCRETE CONSTRUCTION. SEE SHEET 20 FOR DETAIL OF INSTALLATION AT EXISTING STRUCTURES.

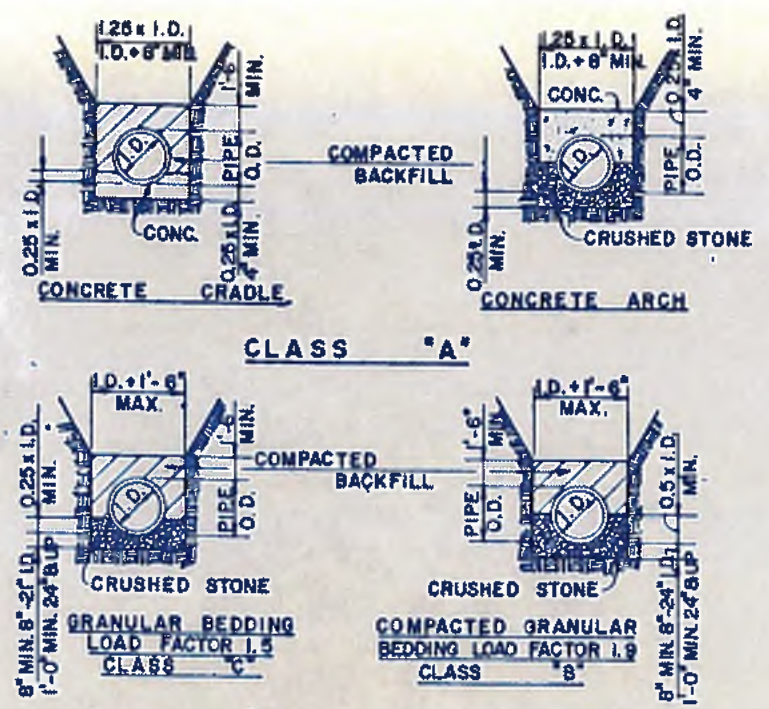


PLAN VIEW

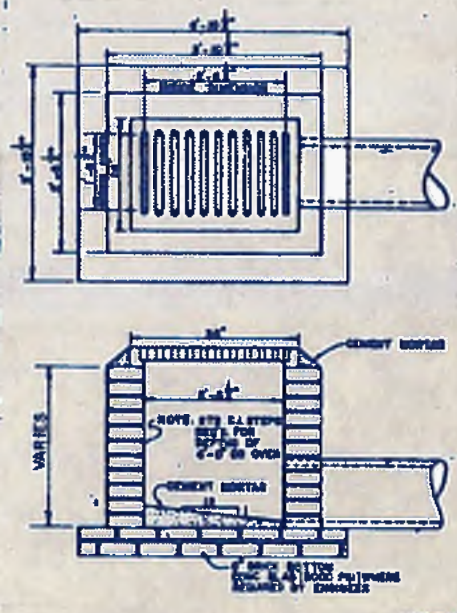


SECTION A

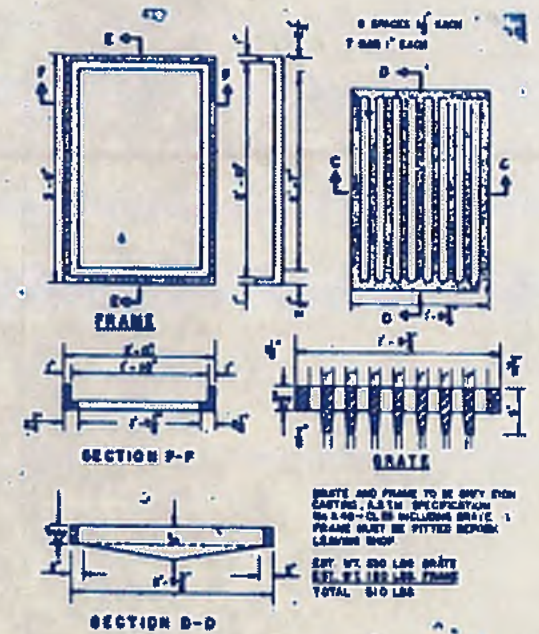
6' DIA. PRECAST MANHOLE
SCALE: 1/2" = 1'-0"



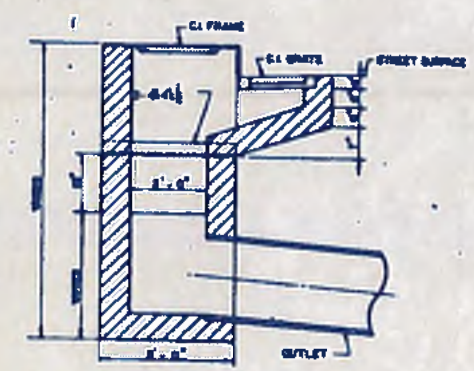
TYPICAL PIPE BEDDING DETAILS
SCALE: NONE



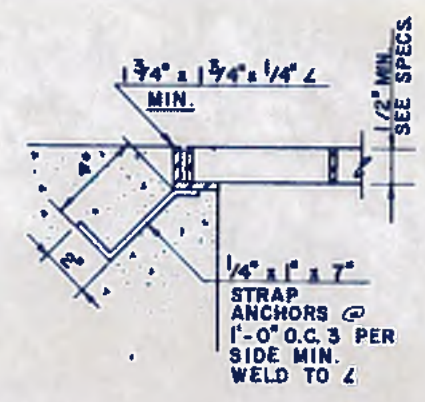
STANDARD DROP INLET
SCALE: NONE



TYPE "B" GRATE AND FRAME
SCALE: NONE

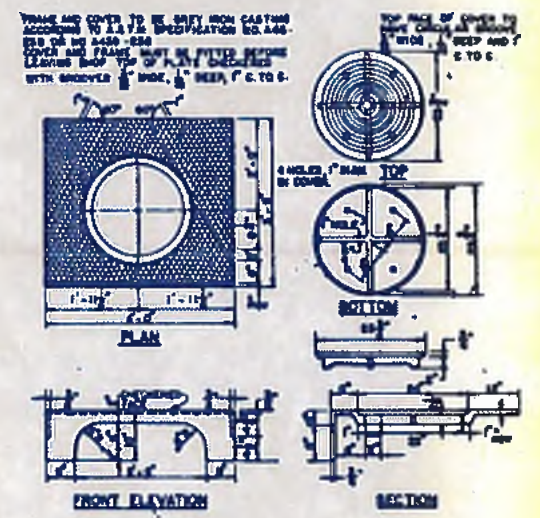


TYPE "C" CATCHBASIN
SCALE: NONE



GRATING SUPPORT DETAIL
SCALE: NONE

NOTE: UNLESS SHOWN OTHERWISE, CLASS "C" BEDDING SHALL BE USED.



STANDARD CATCHBASIN CASTING
SCALE: NONE



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INTRINCHMENT CREEK PLANT MODIFICATIONS
MISCELLANEOUS DETAILS

DATE: MRP APPROVED
DATE: LB APPROVED
DATE: BLS APPROVED

SCALE: AS SHOWN DATE: MAY 10, 1982

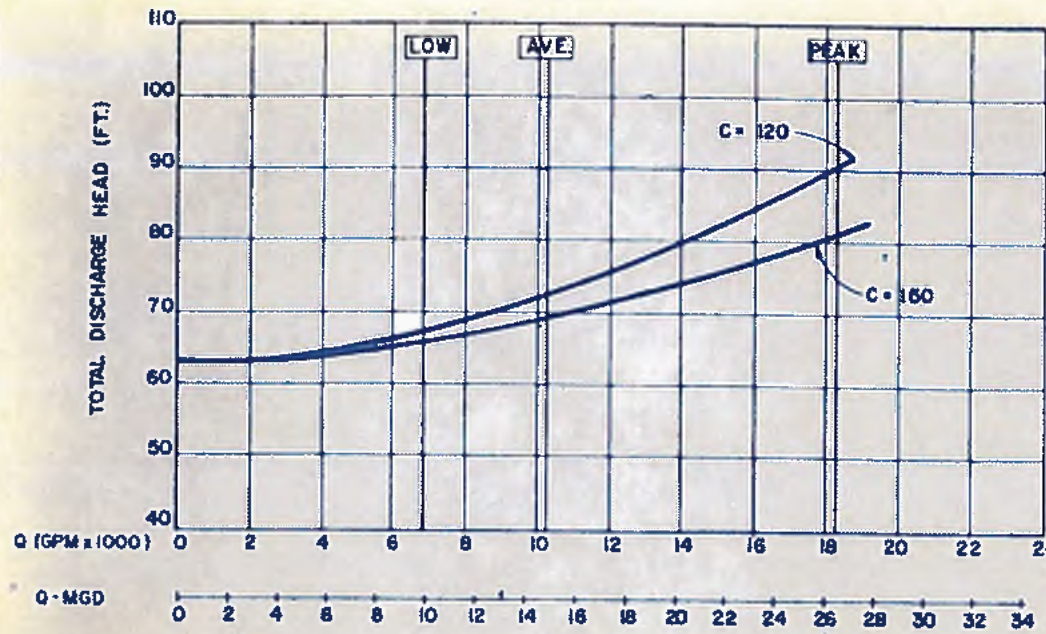
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

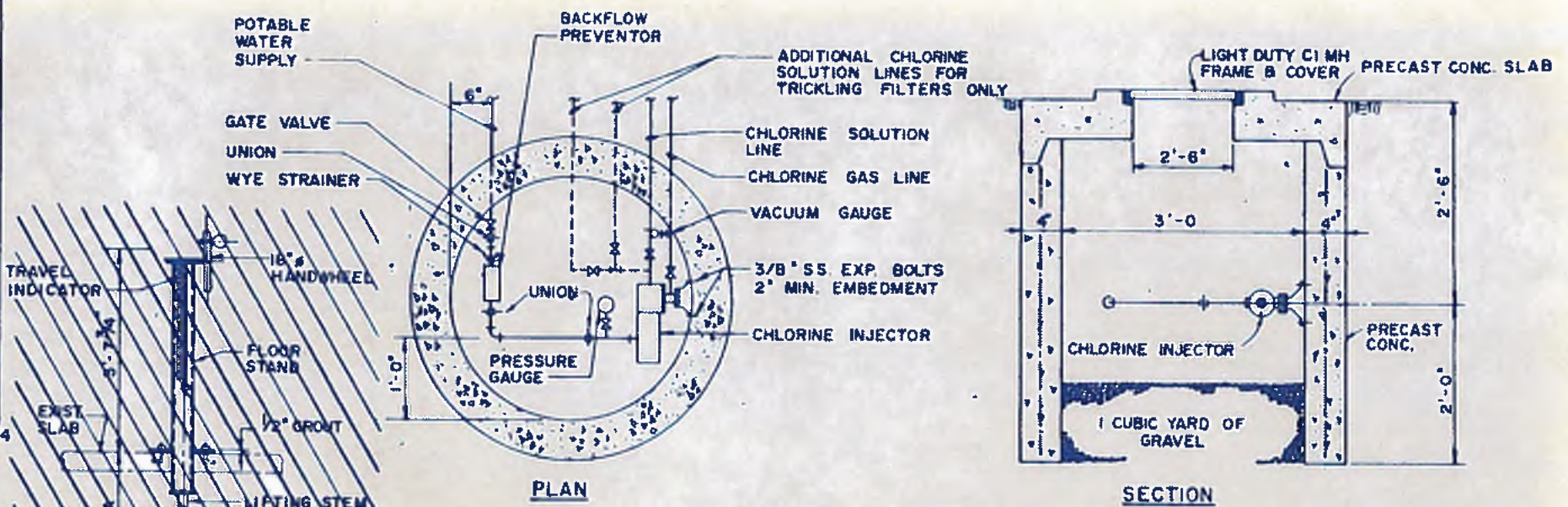
NO.	DATE	BY	DESCRIPTION	PLACED

LAND LOT: APPROVED DISTRICT: QUALITY: SHEET NO. 23

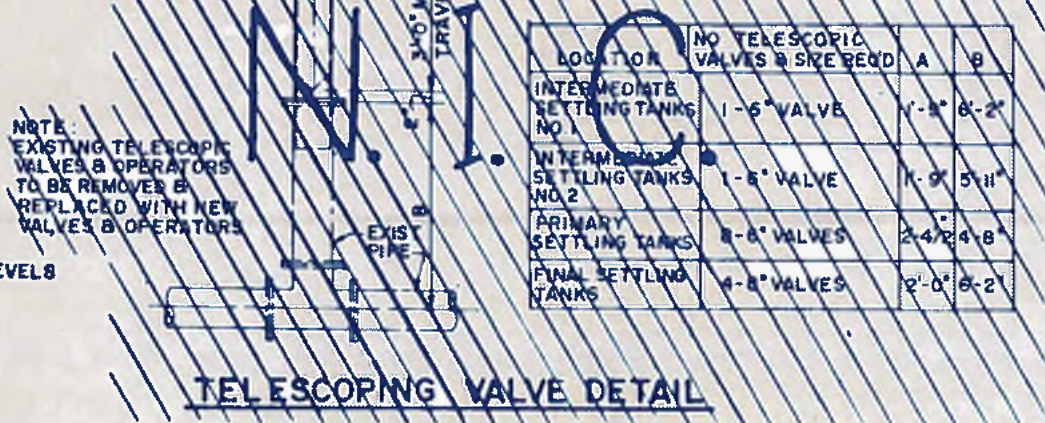
DRAWING NO. 4-P-17



SYSTEM PUMPING HEAD CURVE



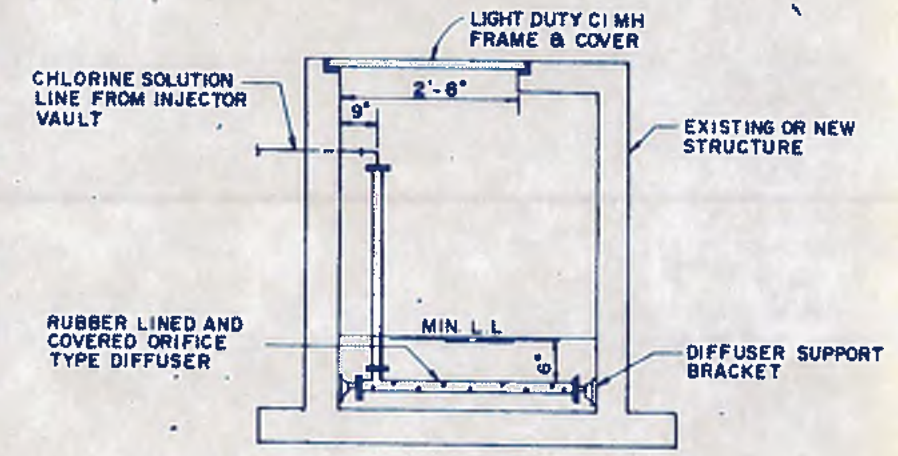
TYPICAL CHLORINE INJECTOR VAULT DETAIL



NOTE: EXISTING TELESCOPIC VALVES & OPERATORS TO BE REMOVED & REPLACED WITH NEW VALVES & OPERATORS

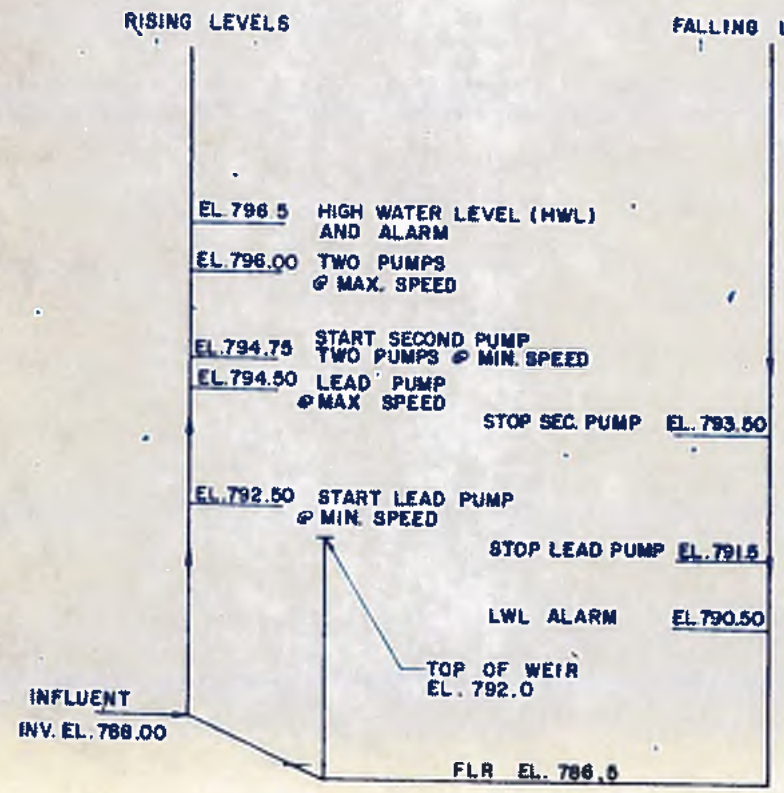
LOCATION	NO TELESCOPIC VALVES & SIZE BEND	A	B
INTERMEDIATE SETTLING TANKS NO. 1	1-6" VALVE	1'-8"	6'-2"
INTERMEDIATE SETTLING TANKS NO. 2	1-6" VALVE	1'-0"	5'-11"
PRIMARY SETTLING TANKS	2-8" VALVES	2'-4"	4'-8"
FINAL SETTLING TANKS	4-8" VALVES	2'-0"	6'-2"

TELESCOPING VALVE DETAIL

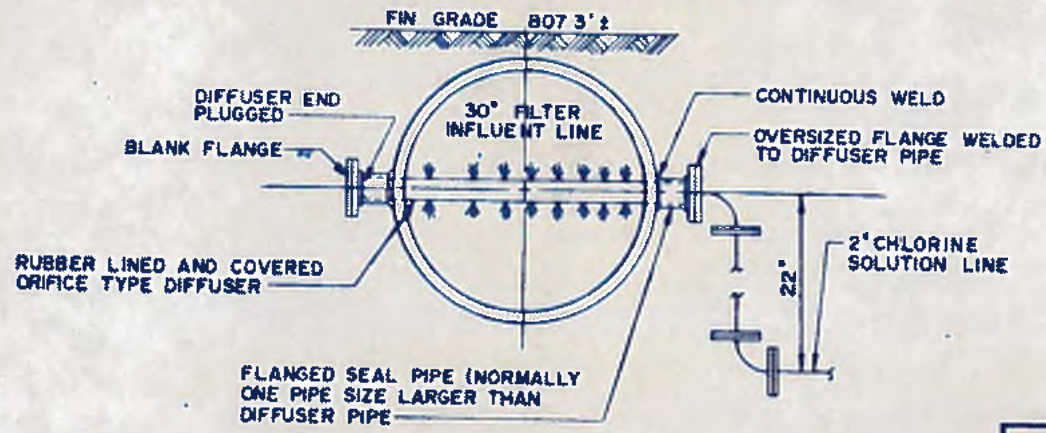


DIFFUSER IN STRUCTURE

NOTES: 1 DIFFUSER HOLES MUST BE SUBMERGED AT LEAST 6" AT ALL TIMES
2 CHLORINE SOLUTION LINE TO BE RUBBER COVERED BELOW MAX WATER LEVEL



WET WELL PUMPING LEVELS



DIFFUSER IN PIPE

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atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
MISCELLANEOUS DETAILS

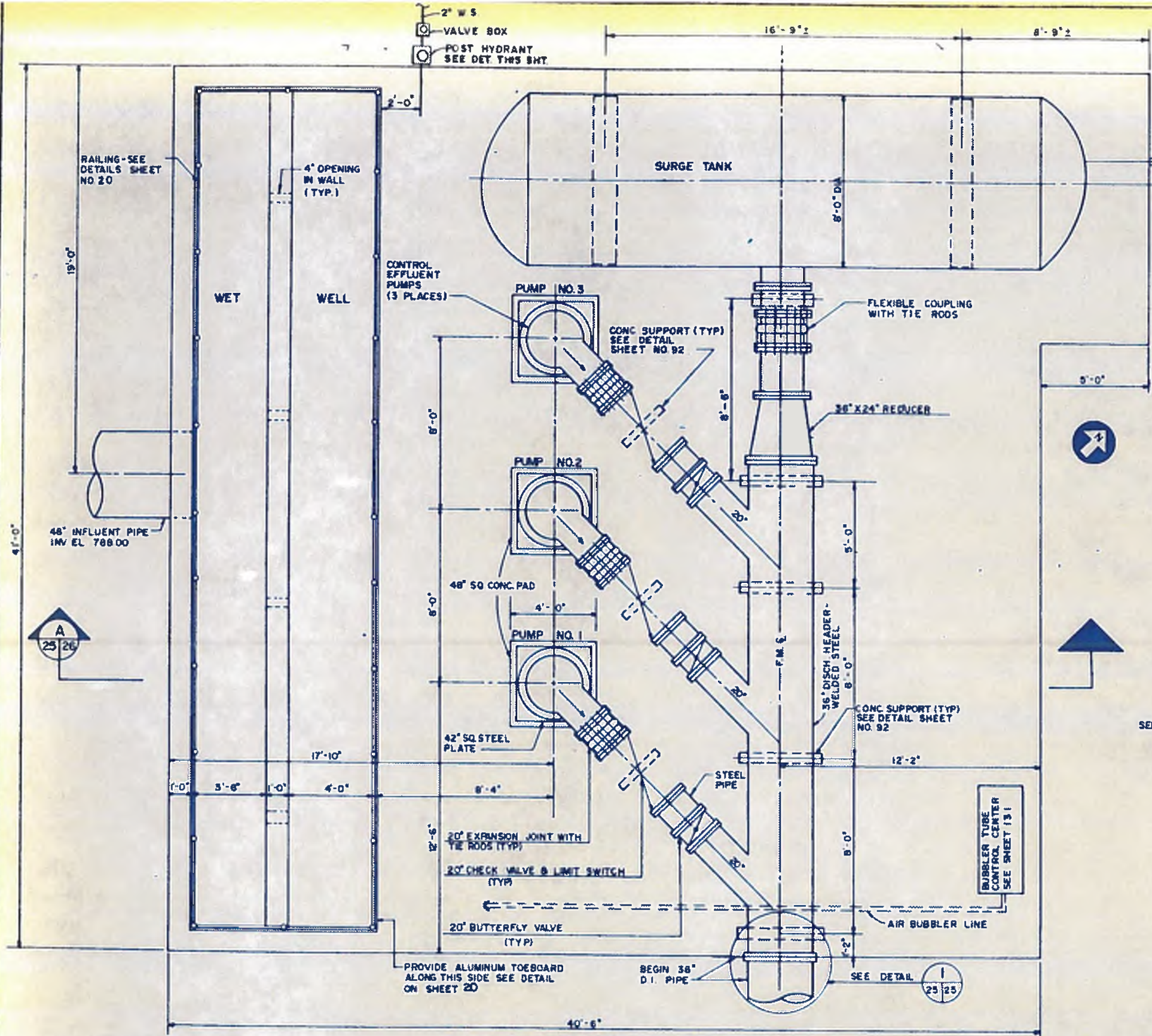
DESIGN: CCS APPROVED
DRAWN: RJD
CHECK: BLS SCALE: NOT TO SCALE DATE: MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

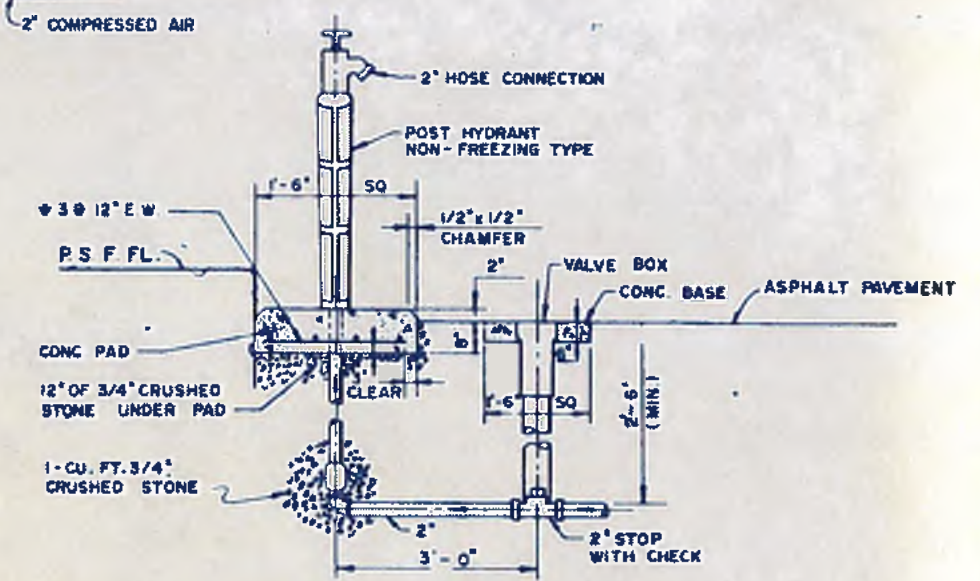
THREE RIVERS WATER QUALITY MANAGEMENT PLANS
LAND LOT: DISTRICT: COUNTY: SHEET NO.: 24
DRAWING NO.: 4-P-18



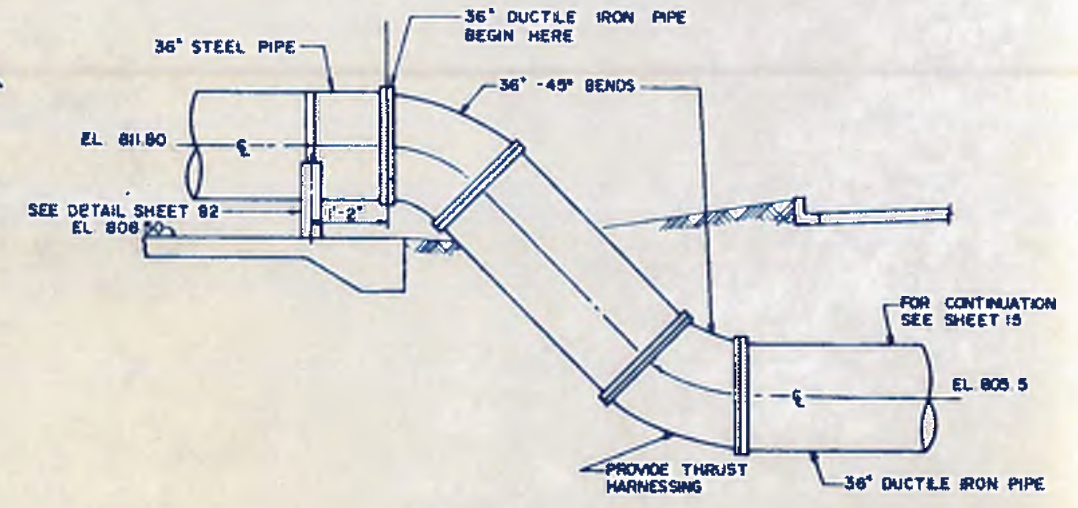


TOP PLAN
SCALE 3/8"=1'-0"

- NOTES:**
1. THE PIPING CONNECTIONS AND OTHER DETAILS FOR SURGE TANK ARE SHOWN ON SHEET 26
 2. THE DRAWINGS ARE PREPARED BASED ON ONE MANUFACTURER'S PUMP ACTUAL DIMENSIONS WILL BE AS PER MANUFACTURERS RECOMMENDATIONS
 3. FOR PUMP CHARACTERISTICS, CURVES AND OPERATION LEVELS SEE SHEET 24



TYPICAL POST HYDRANT INSTALLATION
N.T.S.



DETAIL
SCALE 3/8"=1'-0"



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atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
EFFLUENT PUMPING STATION
PLAN

NO.	DATE	BY	DESCRIPTION	PLACES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

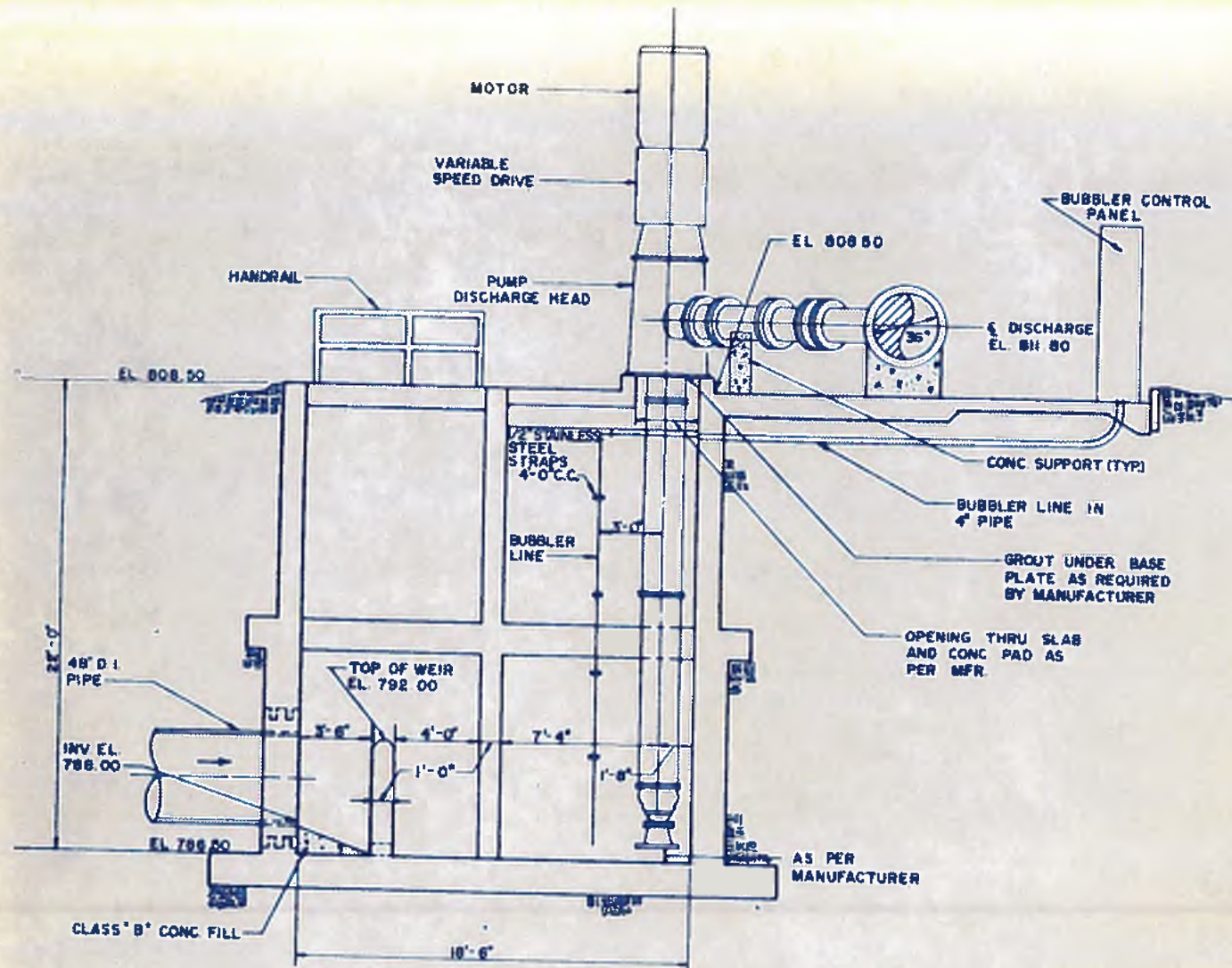
LAND LOT	DISTRICT	COUNTY

APPROVED: _____

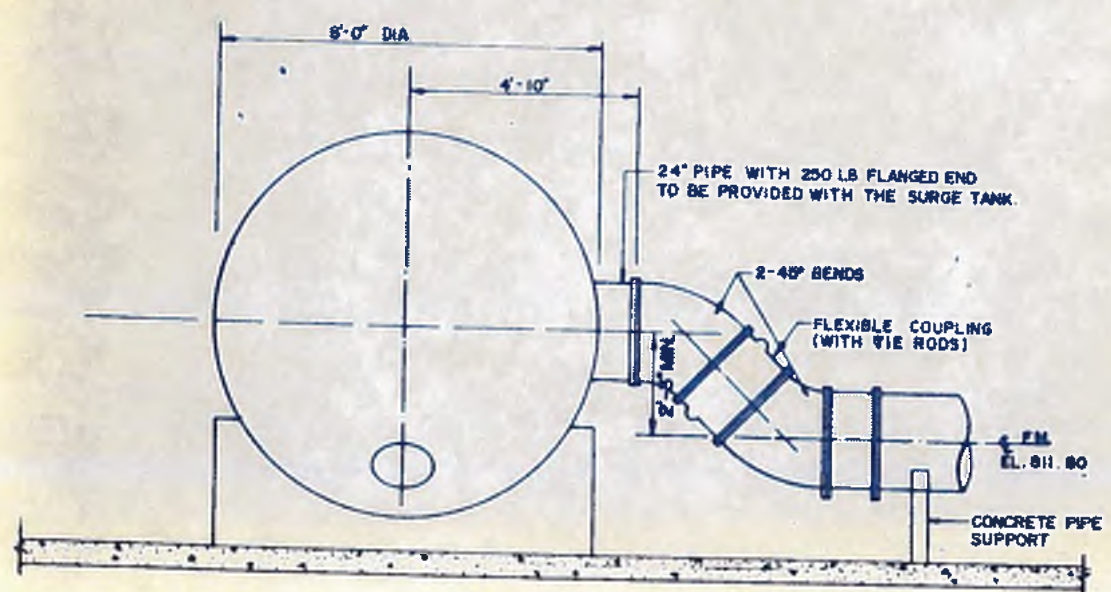
DATE: MAY 10, 1982

DRAWING NO: 4-P-19

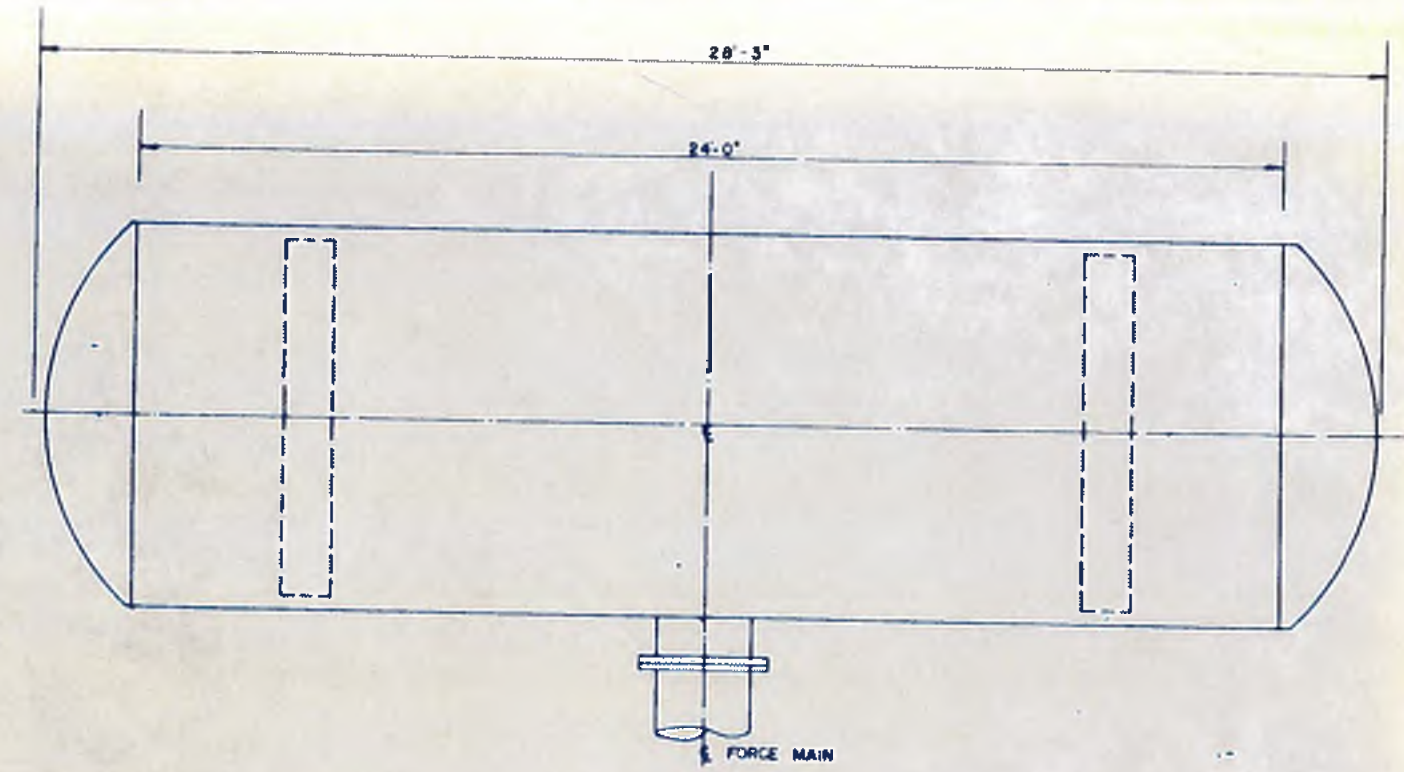
25



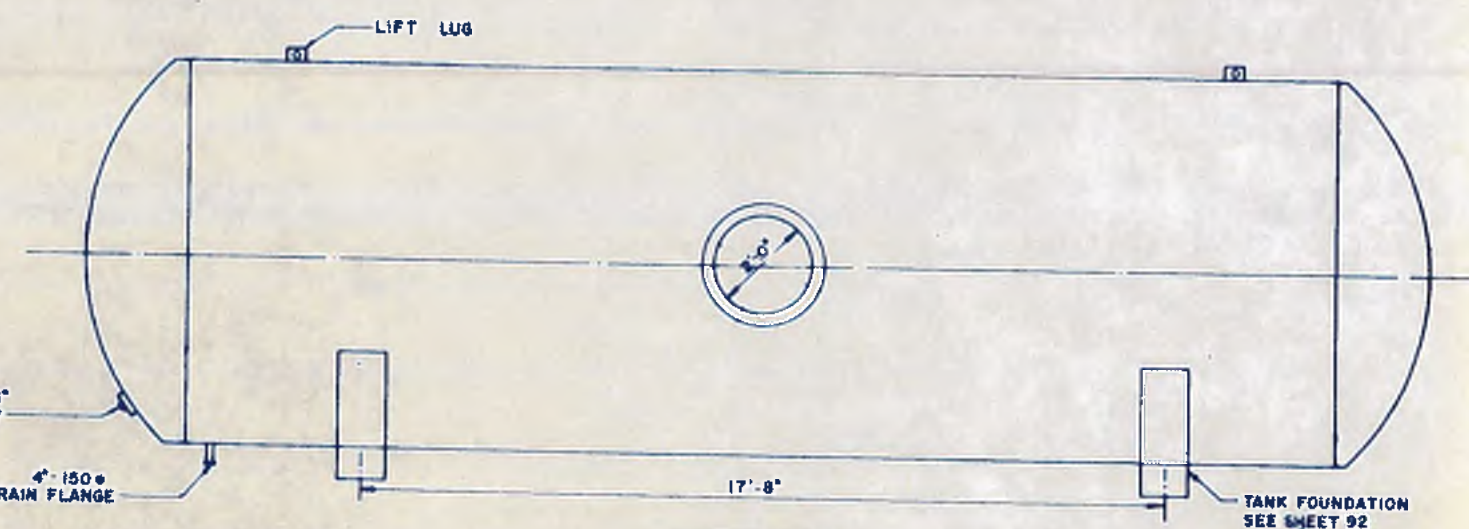
SECTION A
SCALE 1/4" = 1'-0" 28/28



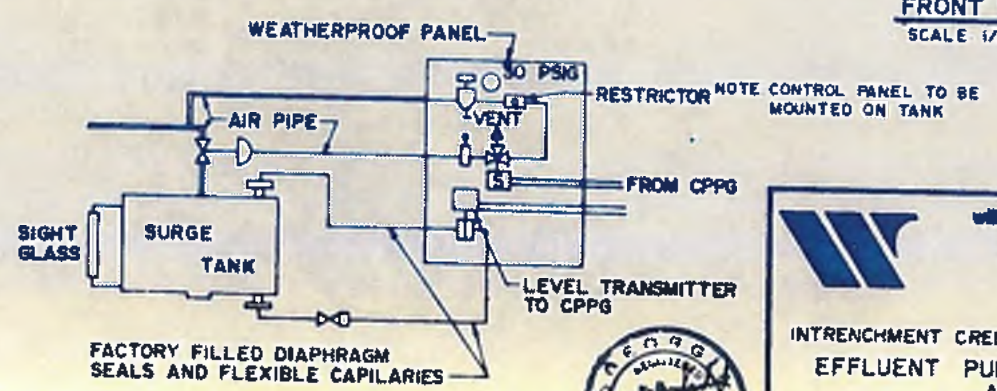
END VIEW
SCALE 1/2" = 1'-0"



PLAN VIEW
SCALE 1/2" = 1'-0"



FRONT VIEW
SCALE 1/2" = 1'-0"



AIR PIPING SCHEMATIC

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engineers - planners
atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
EFFLUENT PUMPING STATION
AND
SURGE TANK

NO.	DATE	BY	DESCRIPTION	PLAID

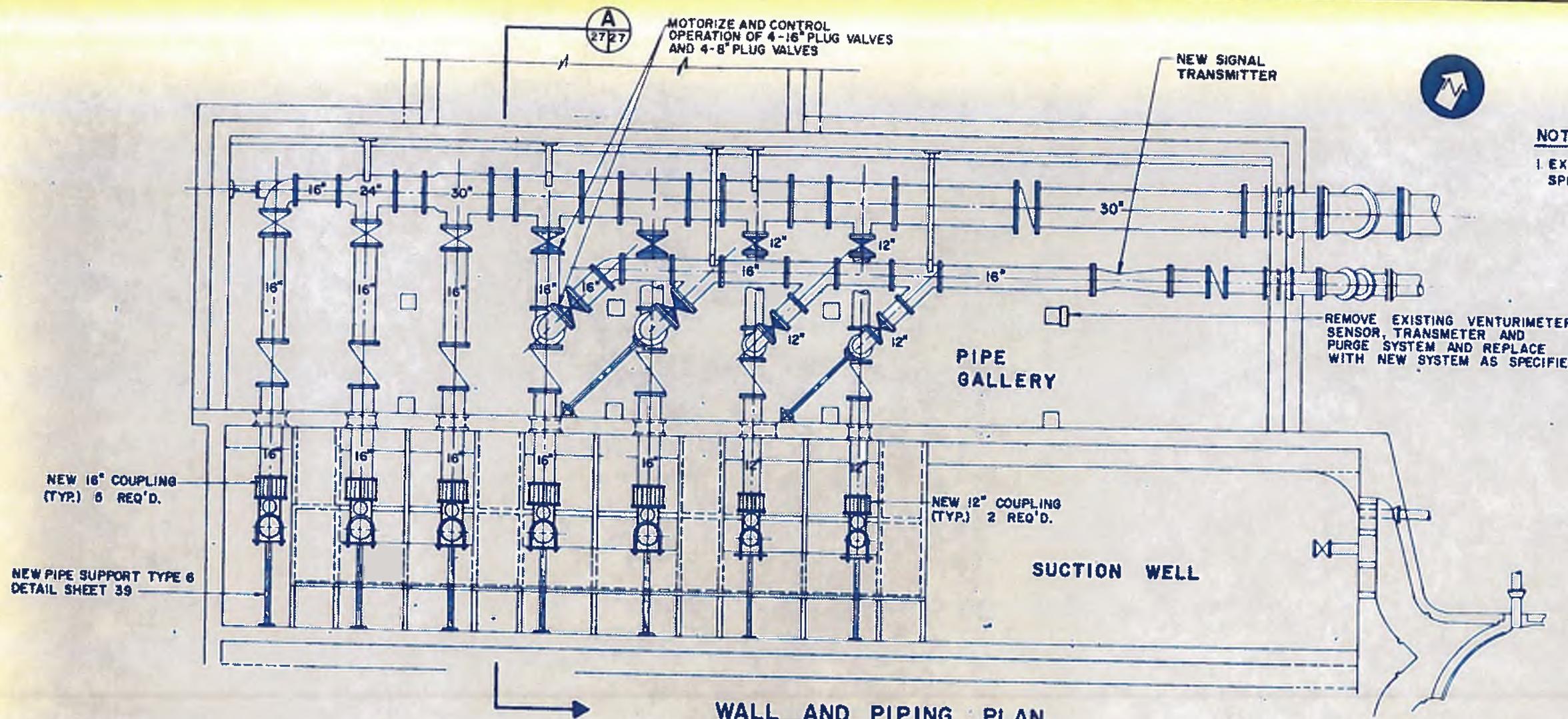
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LOT	DISTRICT	COUNTY
APPROVED		

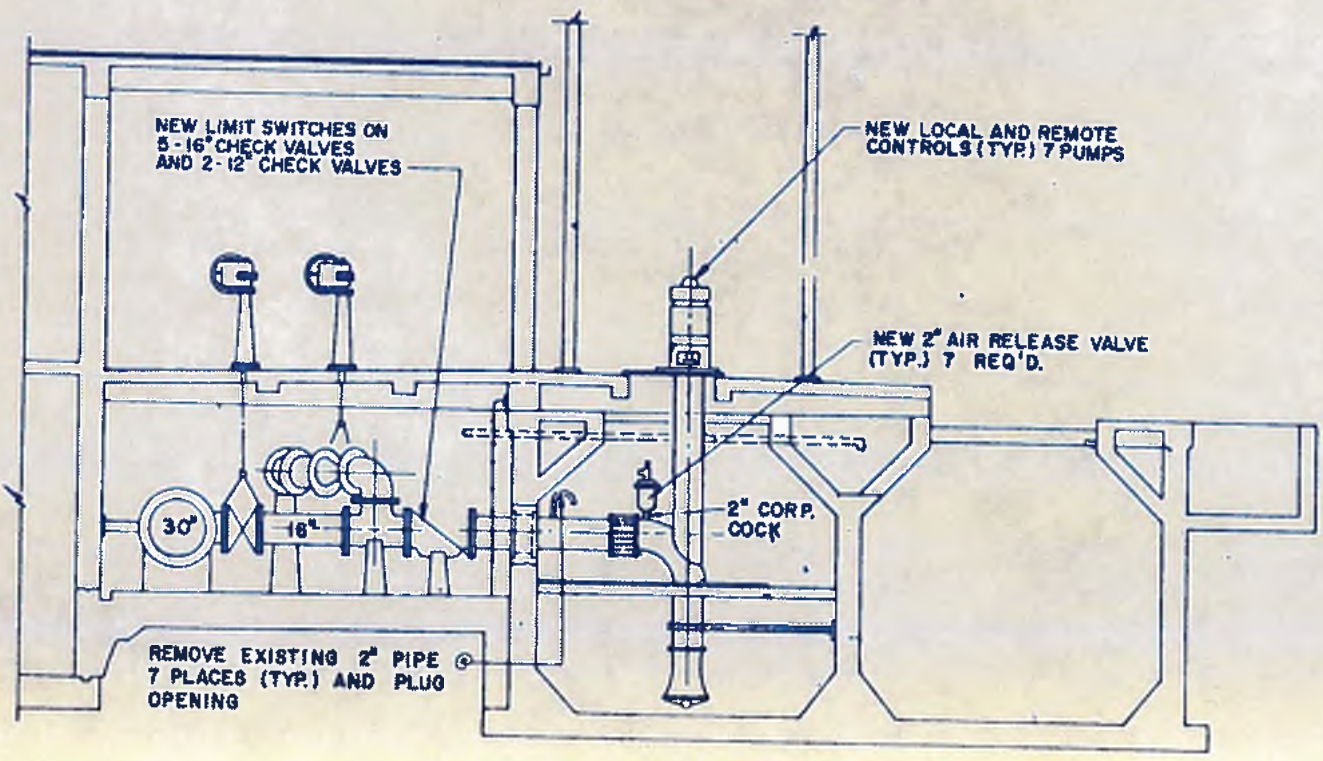
DATE **MAY 10, 1982**

DRAWING NO. **4-P-20**



NOTE:
 1 EXISTING EQUIPMENT TO BE DISPOSED OFF AS PER SPECIFICATIONS.

WALL AND PIPING PLAN
 SCALE: 1/4" = 1'-0"




SECTION A

williams-russell & associates
 engineers - planners
 atlanta, georgia

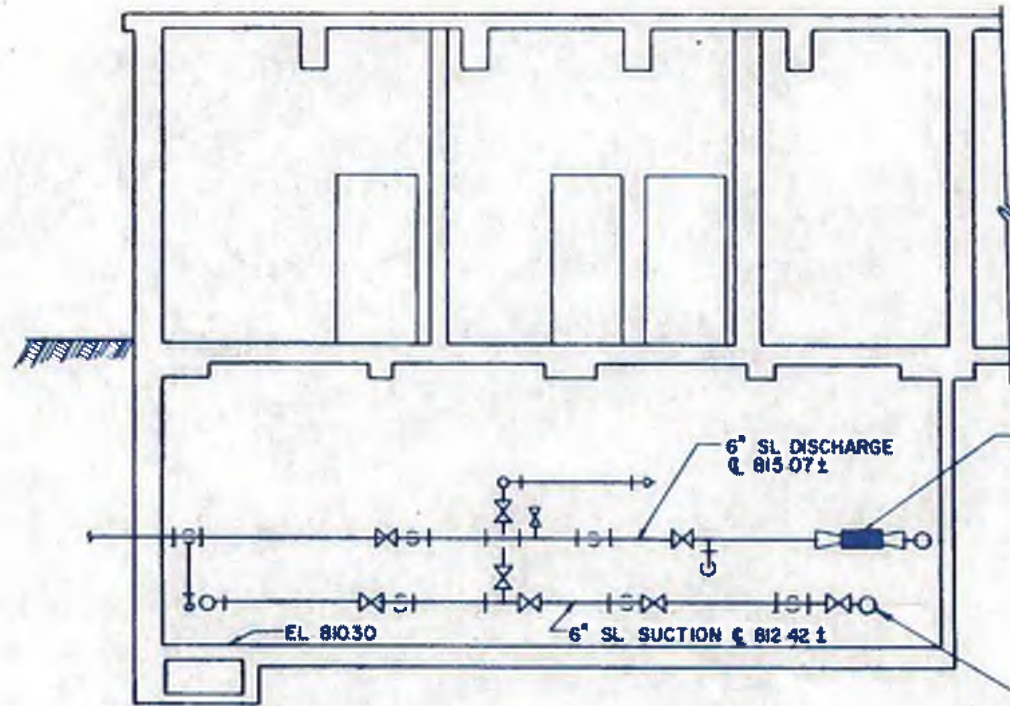
INTRENCHMENT CREEK PLANT MODIFICATIONS
RECIRCULATION PUMP STATION
PLAN AND SECTION

NO.	DATE	BY	DESCRIPTION	PLACE

		CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL	
THREE RIVERS WATER QUALITY MANAGEMENT PLANS			
LAND LOT	DISTRICT	COUNTY	SHEET NO.
			27
DRAWING NO.	DATE		
4-P-21	MAY 10, 1982		

DRN BLS APPROVED
 DRN RJD
 CHKD CCS SCALE AS SHOWN DATE MAY 10, 1982





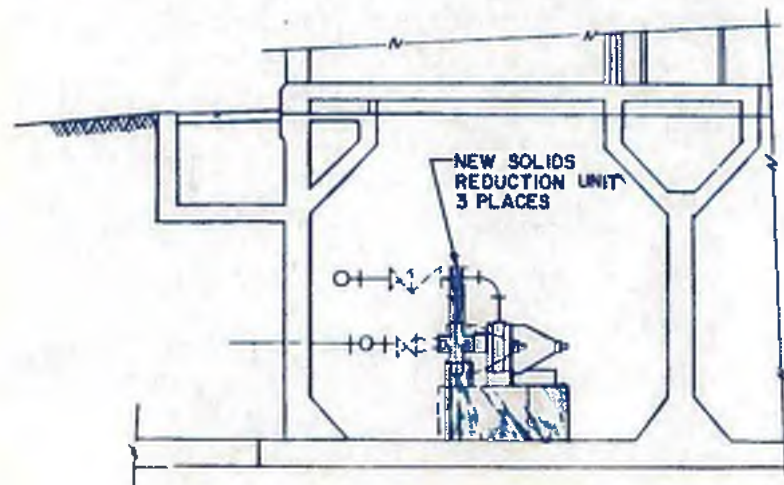
SECTION AA
SCALE: 1/4" = 1'-0"

REMOVE 6" VENTURI AND ACCOMPANYING PURGE PIPING AND PUMPS, INSTALL REPLACEMENT SPOOL, SONIC FLOW METER AND CONTROLS

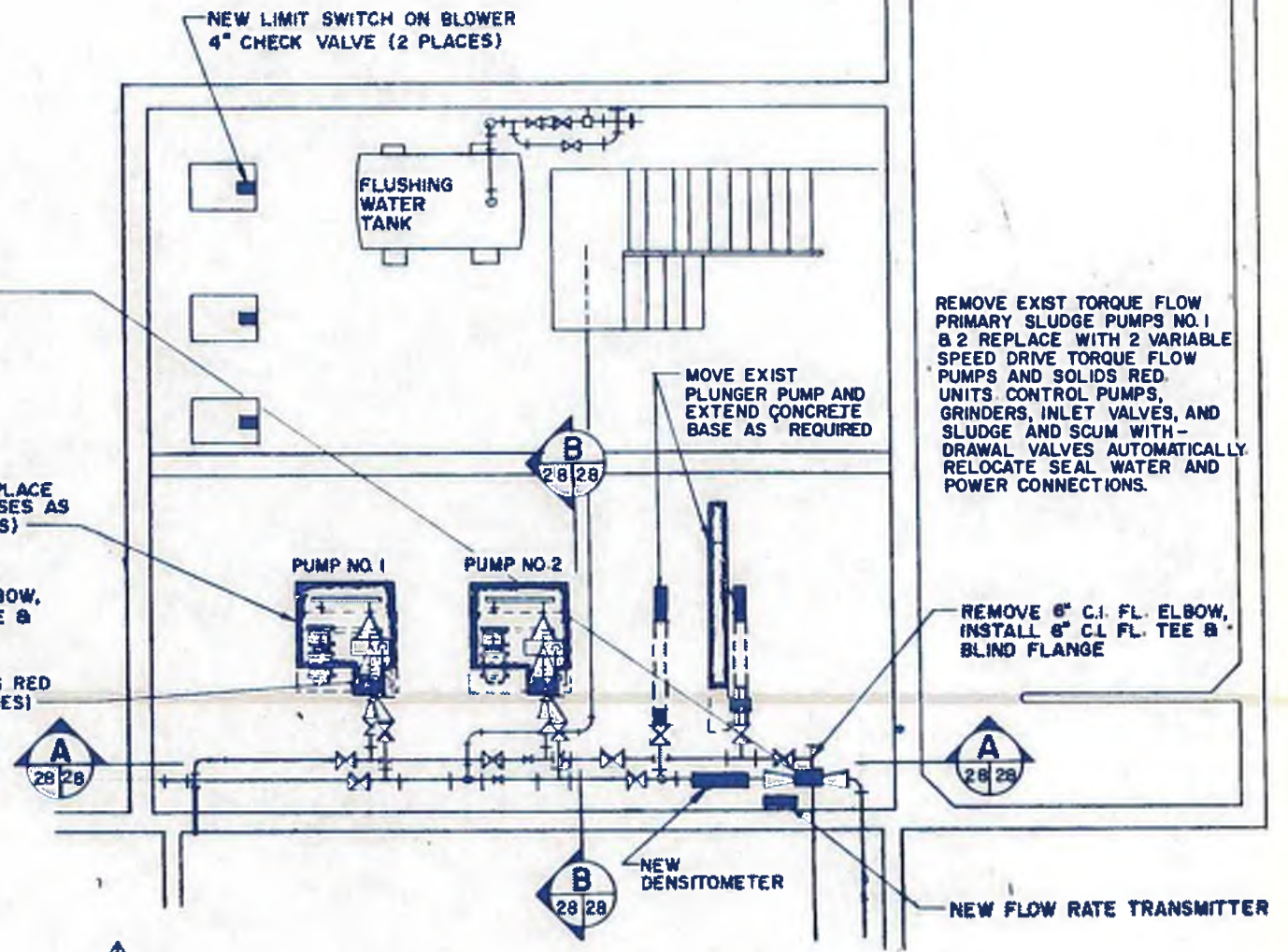
BREAK OUT AND REPLACE CONCRETE PUMP BASES AS REQUIRED (2 PLACES)

REMOVE 6" C.I. FL. ELBOW, INSTALL 6" C.I. FL. TEE & BLIND FLANGE

NEW SOLIDS RED UNIT (3 PLACES)



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



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

REMOVE EXIST TORQUE FLOW PRIMARY SLUDGE PUMPS NO. 1 & 2 REPLACE WITH 2 VARIABLE SPEED DRIVE TORQUE FLOW PUMPS AND SOLIDS RED. UNITS, CONTROL PUMPS, GRINDERS, INLET VALVES, AND SLUDGE AND SCUM WITH-DRAWAL VALVES AUTOMATICALLY. RELOCATE SEAL WATER AND POWER CONNECTIONS.

REMOVE 6" C.I. FL. ELBOW, INSTALL 6" C.I. FL. TEE & BLIND FLANGE

NEW FLOW RATE TRANSMITTER



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INTRENCHMENT CREEK PLANT MODIFICATIONS
PRIMARY SLUDGE PUMPING STATION
PLAN & SECTION



CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

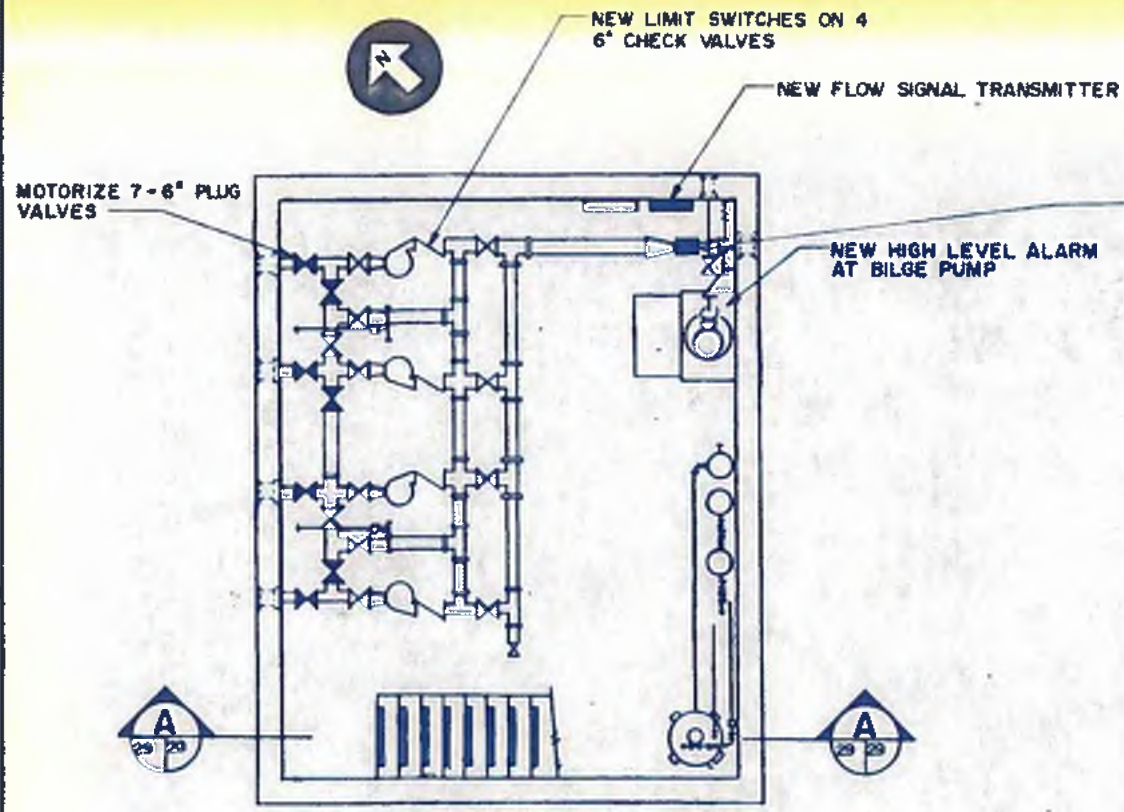
DESIGN: JSM APPROVED
DRAWN: WLB
CHECKED: DEX
SCALE: AS SHOWN DATE: MAY 10, 1982

NO.	DAYS	BY	DESCRIPTION
1		JSM	PILETE G.L. PIPE ADD SONIC METER AND NO. 3

APPROVED: _____

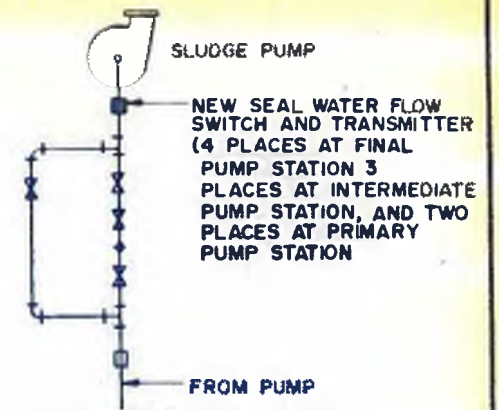
LAND LOT: _____ DISTRICT: _____ COUNTY: _____ SHEET NO.: **28**

DRAWING NO.: 4-P-22

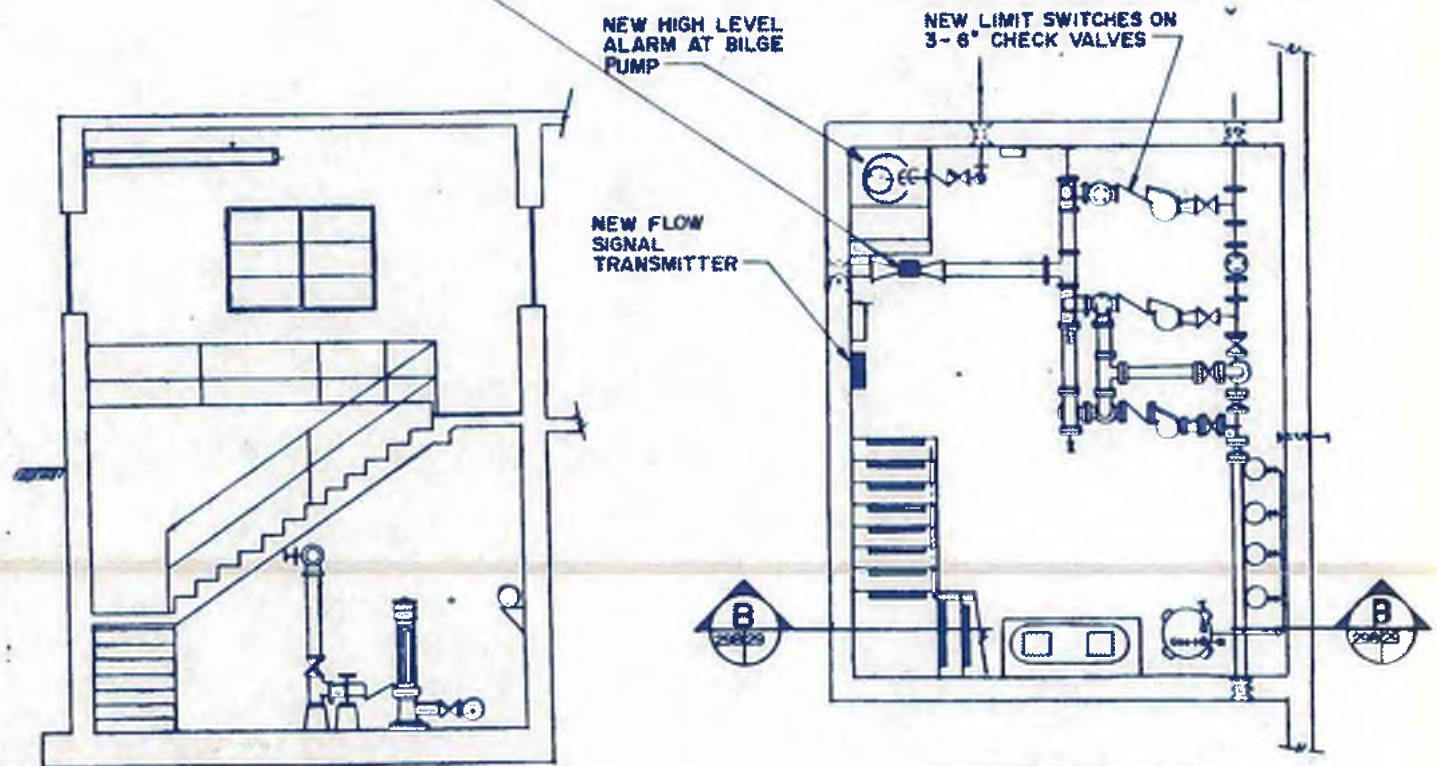


BASEMENT PLAN

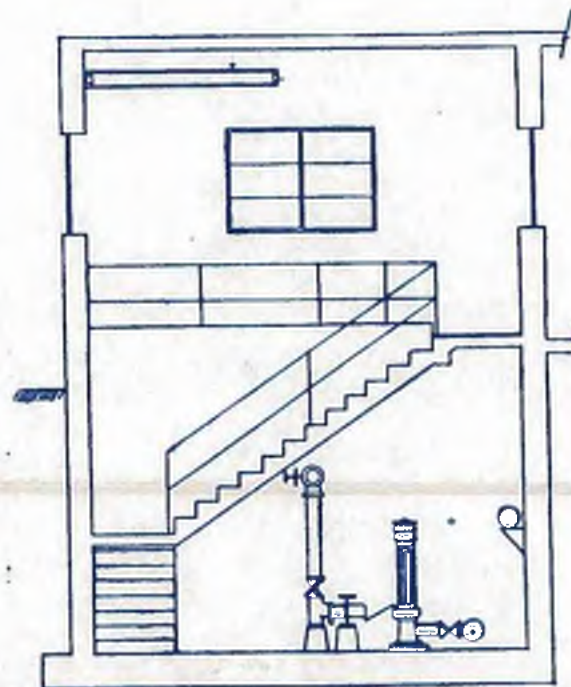
REMOVE 8" VENTURI AND ACCOMPANYING PURGE PIPING AND PUMPS. INSTALL REPLACEMENT SPOOL, SONIC FLOW METER CONTROLS



TYPICAL SEAL WATER PIPING

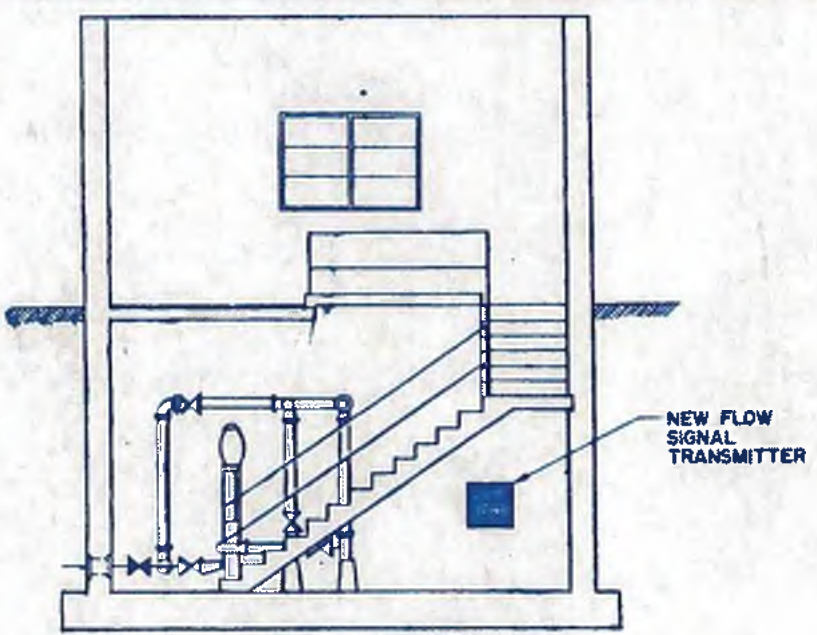


BASEMENT PLAN



SECTION BB

INTERMEDIATE SLUDGE PUMP STATION
SCALE: 1/4" = 1'-0"



SECTION AA

FINAL SLUDGE PUMP STATION
SCALE: 1/4" = 1'-0"

NO.	DATE	BY	DESCRIPTION	APP. NO. 3
1		JSM	SONIC METER ADDED	

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INTRENCHMENT CREEK PLANT MODIFICATIONS
FINAL SLUDGE PUMP STATION
INTERMEDIATE SLUDGE PUMP STATION

DESIGNER: JSM
DRAWN: WLB
CHECKED: JTY

APPROVED: _____
SCALE: AS NOTED
DATE: MAY 10, 1982

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL












THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LIT: _____ DISTRICT: _____ COUNTY: _____
APPROVED: _____ SHEET NO.: _____

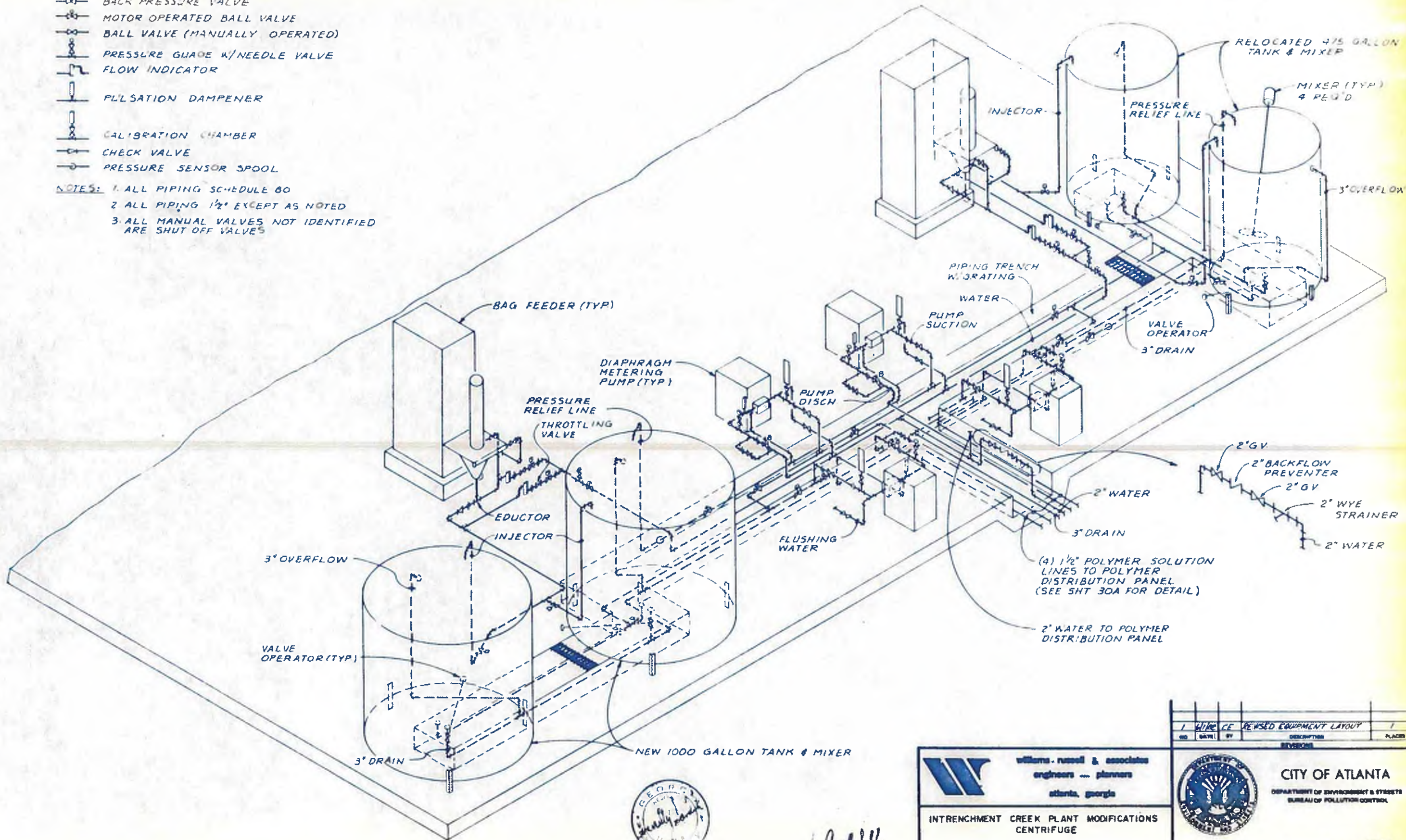
29



LEGEND

-  PRESSURE REGULATING VALVE
-  PRESSURE RELIEF VALVE
-  BACK PRESSURE VALVE
-  MOTOR OPERATED BALL VALVE
-  BALL VALVE (MANUALLY OPERATED)
-  PRESSURE GAUGE W/NEEDLE VALVE
-  FLOW INDICATOR
-  PULSATION DAMPENER
-  CALIBRATION CHAMBER
-  CHECK VALVE
-  PRESSURE SENSOR SPOOL

- NOTES: 1. ALL PIPING SCHEDULE 80
 2. ALL PIPING 1/2" EXCEPT AS NOTED
 3. ALL MANUAL VALVES NOT IDENTIFIED ARE SHUT OFF VALVES



Handwritten signature

williams-russell & associates
 engineers - planners
 atlanta, georgia

**INTRINCHMENT CREEK PLANT MODIFICATIONS
 CENTRIFUGE
 POLYMER PIPING SCHEMATIC**

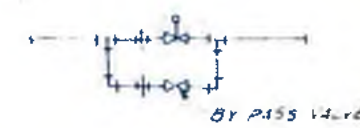
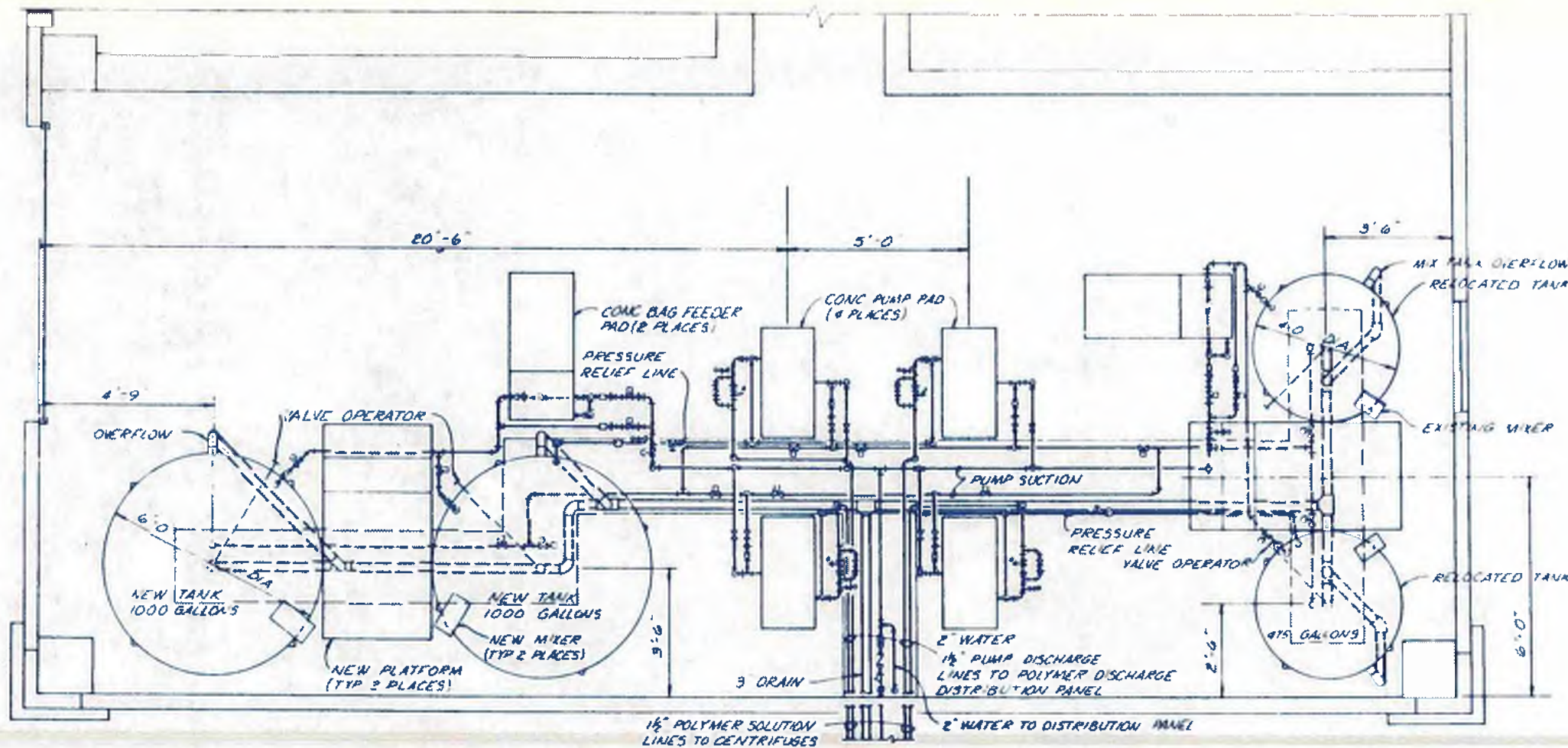
DESIGN	JJG	APPROVED	
ENGINEER	CG		
CHECKED	JJG	SCALE	N.T.S.
		DATE	MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACED
1		CG	REVISED EQUIPMENT LAYOUT	



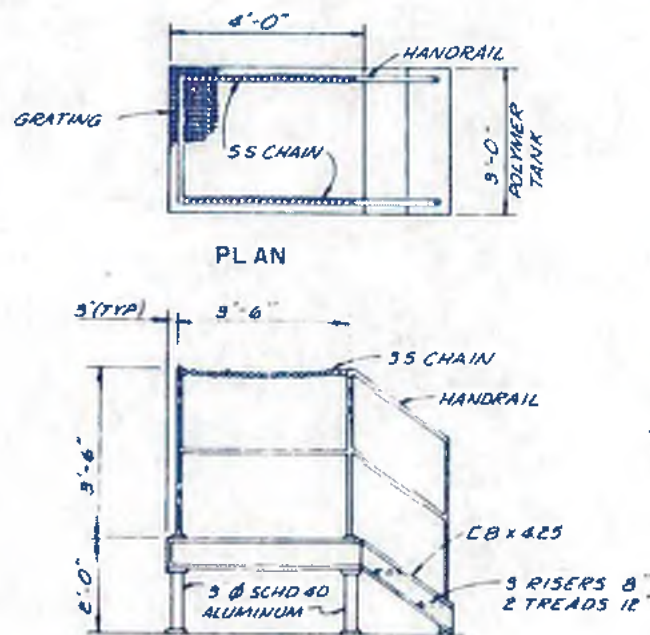
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

LAND LOT	DISTRICT	COUNTY
APPROVED		
DRAWING NO.	4 P 24	SHEET NO.

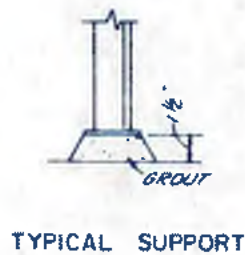


TYPICAL MOTOR OPERATED BALL VALVE BY-PASS
NTS

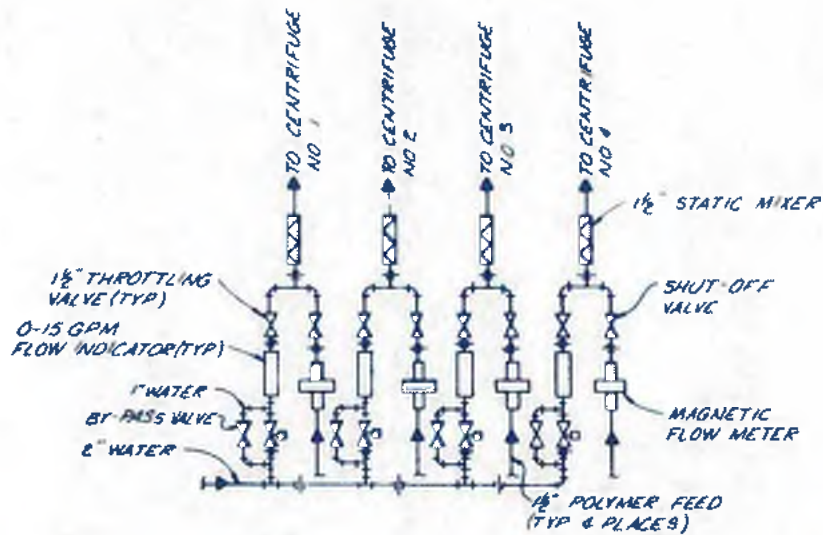
DRY POLYMER EQUIPMENT LAYOUT
SCALE: 1/2" = 1'-0"



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



TYPICAL SUPPORT



POLYMER DISTRIBUTION PANEL

- NOTES**
- 1 ALL PIPING SHALL BE PVC SCHEDULE 80
 - 2 ALL SHUT-OFF, THROTTLING AND BY PASS VALVES SHALL BE BALL TYPE
 - 3 FIBERGLASS GRATING COVERS FOR ALL PIPE TRENCHES
 - 4 SEE 4-P-24 FOR PIPING SCHEMATIC DWS AND
 - 5 ALL MOTOR OPERATED BALL VALVES SHALL BE EQUIPPED WITH A VALVED BY PASS



Connelly

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engineers - planners
atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
POLYMER FEED SYSTEM FOR CENTRIFUGE

DRWN: JJG APPROVED: JJG
DATE: MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLANS
1			REVISED EQUIPMENT LAYOUT	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

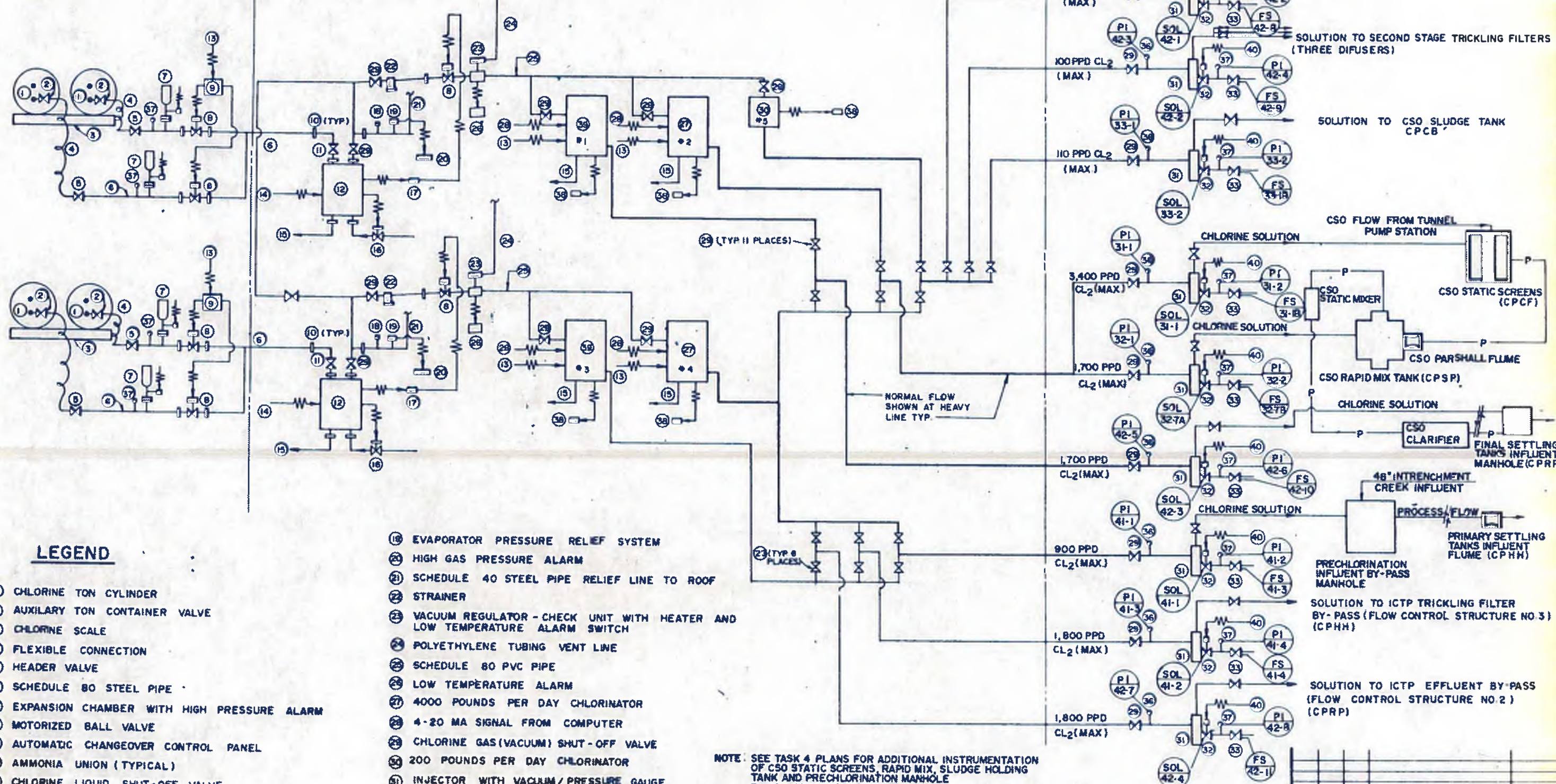
LAND LOT: SHEET: COUNTY: SHEET NO. **30A**

CHLORINE STORAGE AREA

CHLORINATOR ROOM

CHLORINATOR ROOM

FIELD PIPING



LEGEND

- ① CHLORINE TON CYLINDER
- ② AUXILIARY TON CONTAINER VALVE
- ③ CHLORINE SCALE
- ④ FLEXIBLE CONNECTION
- ⑤ HEADER VALVE
- ⑥ SCHEDULE 80 STEEL PIPE
- ⑦ EXPANSION CHAMBER WITH HIGH PRESSURE ALARM
- ⑧ MOTORIZED BALL VALVE
- ⑨ AUTOMATIC CHANGEOVER CONTROL PANEL
- ⑩ AMMONIA UNION (TYPICAL)
- ⑪ CHLORINE LIQUID SHUT-OFF VALVE
- ⑫ 8000 POUNDS PER DAY EVAPORATOR
- ⑬ 115 V. POWER CONNECTION
- ⑭ 480 V. POWER CONNECTION
- ⑮ DRAIN LINE
- ⑯ MAKE-UP WATER SOLENOID VALVE
- ⑰ EVAPORATOR LOW TEMPERATURE, HIGH TEMPERATURE AND LOW WATER LEVEL ALARMS
- ⑱ LOW CHLORINE PRESSURE SWITCH TO ACTIVATE LIQUID CHANGEOVER SYSTEM.

- ⑲ EVAPORATOR PRESSURE RELIEF SYSTEM
- ⑳ HIGH GAS PRESSURE ALARM
- ㉑ SCHEDULE 40 STEEL PIPE RELIEF LINE TO ROOF
- ㉒ STRAINER
- ㉓ VACUUM REGULATOR - CHECK UNIT WITH HEATER AND LOW TEMPERATURE ALARM SWITCH
- ㉔ POLYETHYLENE TUBING VENT LINE
- ㉕ SCHEDULE 80 PVC PIPE
- ㉖ LOW TEMPERATURE ALARM
- ㉗ 4000 POUNDS PER DAY CHLORINATOR
- ㉘ 4-20 MA SIGNAL FROM COMPUTER
- ㉙ CHLORINE GAS (VACUUM) SHUT-OFF VALVE
- ㉚ 200 POUNDS PER DAY CHLORINATOR
- ㉛ INJECTOR WITH VACUUM/PRESSURE GAUGE
- ㉜ SOLENOID ON/OFF CONTROL BUILT INTO INJECTOR
- ㉝ WATER SHUT-OFF VALVE
- ㉞ CHLORINE SOLUTION SHUT-OFF VALVE
- ㉟ ROTAMETER
- ㊱ VACUUM GAUGE
- ㊲ PRESSURE GAUGE
- ㊳ CHLORINATOR HIGH AND LOW VACUUM ALARMS
- ㊴ 2000 POUNDS PER DAY CHLORINATOR
- ㊵ REMOTE CONTROL SIGNAL

NOTE: SEE TASK 4 PLANS FOR ADDITIONAL INSTRUMENTATION OF CSO STATIC SCREENS, RAPID MIX, SLUDGE HOLDING TANK AND PRECHLORINATION MANHOLE
P = CSO PROCESS FLOW



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INTRENCHMENT CREEK PLANT MODIFICATIONS
CHLORINATION SYSTEM SCHEMATIC

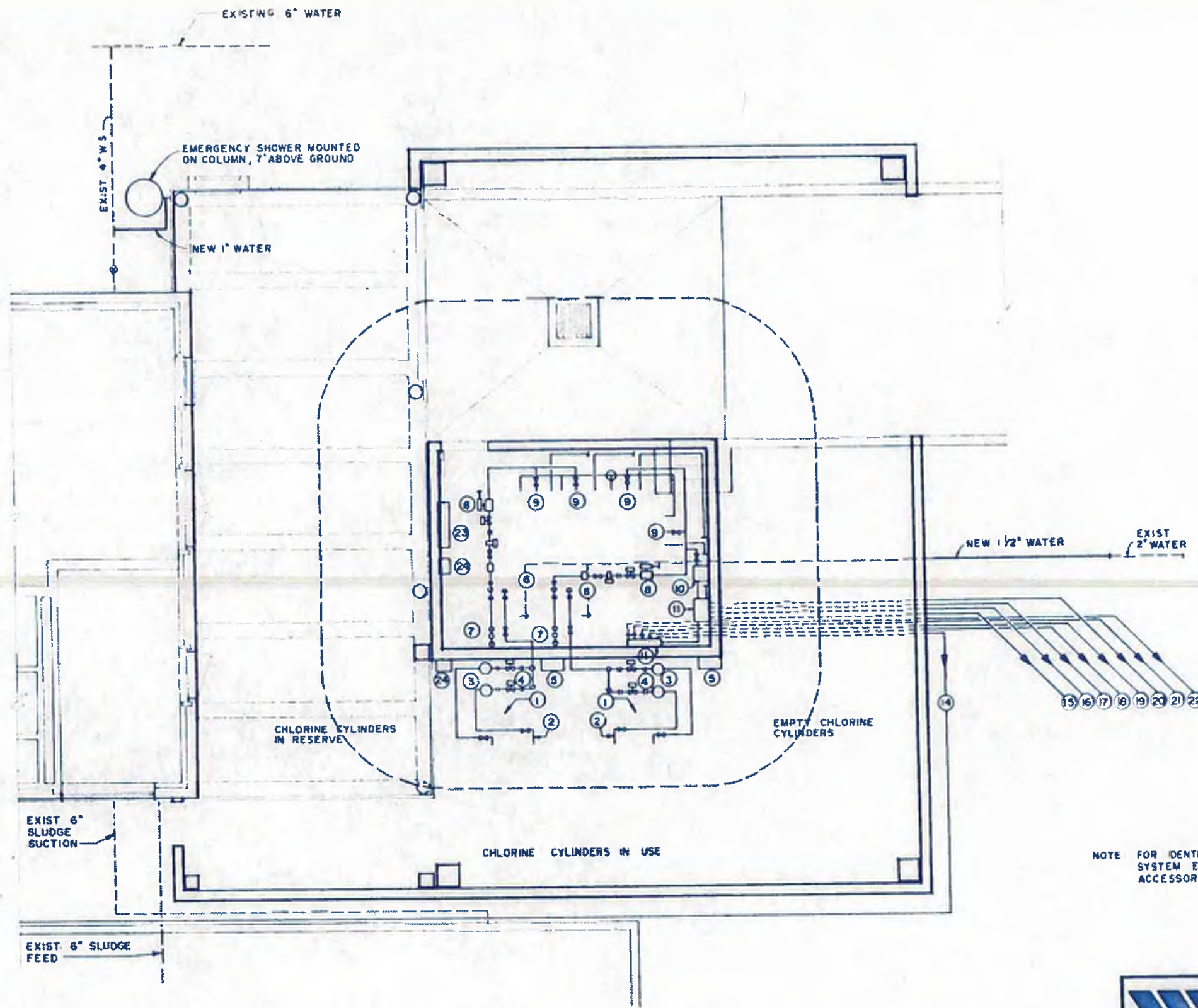
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

DATE	BY	DESCRIPTION	PLACES

DESIGN	REF.	APPROVED
DRAWN	D.P.V.	
CHECKED	P.L.S.	

SCALE: N.T.S. DATE: MAY 10, 1982 DRAWING NO: 4-P-25



LEGEND

- ① CHLORINE SCALE
- ② FLEXIBLE CONNECTOR W/VALVES
- ③ EXPANSION CHAMBER
- ④ MOTORIZED BALL VALVE
- ⑤ AUTOMATIC CHANGEOVER CONTROL PANEL
- ⑥ EVAPORATOR
- ⑦ PRESSURE RELIEF SYSTEM
- ⑧ VACUUM REGULATOR
- ⑨ FLOOR MOUNTED CHLORINATOR
- ⑩ WALL MOUNTED CHLORINATOR
- ⑪ GAS (VACUUM) DISTRIBUTOR PANEL
- ⑫ NOT USED
- ⑬ NOT USED
- ⑭ SOLUTION TO ICTP PRECHLORINATION
- ⑮ SOLUTION TO CSO SLUDGE TANK
- ⑯ SOLUTION TO CSO RAPID MIX
- ⑰ SOLUTION TO CSO INFLUENT FORCE MAIN
- ⑱ SOLUTION TO ICTP FIRST STAGE TRICKLING FILTERS
- ⑲ SOLUTION TO ICTP SECOND STAGE TRICKLING FILTERS
- ⑳ SOLUTION TO ICTP FINAL SETTLING TANKS
- ㉑ SOLUTION TO ICTP EFFLUENT BYPASS
- ㉒ SOLUTION TO ICTP PRIMARY CLARIFIER BYPASS
- ㉓ ALARM PANEL
- ㉔ CHLORINE LEAK DETECTOR

NOTE FOR IDENTIFICATION OF ADDITIONAL CHLORINATION SYSTEM EQUIPMENT, PIPING, VENTS AND ACCESSORIES, SEE SCHEMATIC ON SHEET 31



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CHLORINE BUILDING FLOOR PLAN

DESIGN	REF	APPROVED
DRAWN	DPV	
CHECKED	BS	SCALE 1/4" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACED
			REVISION	

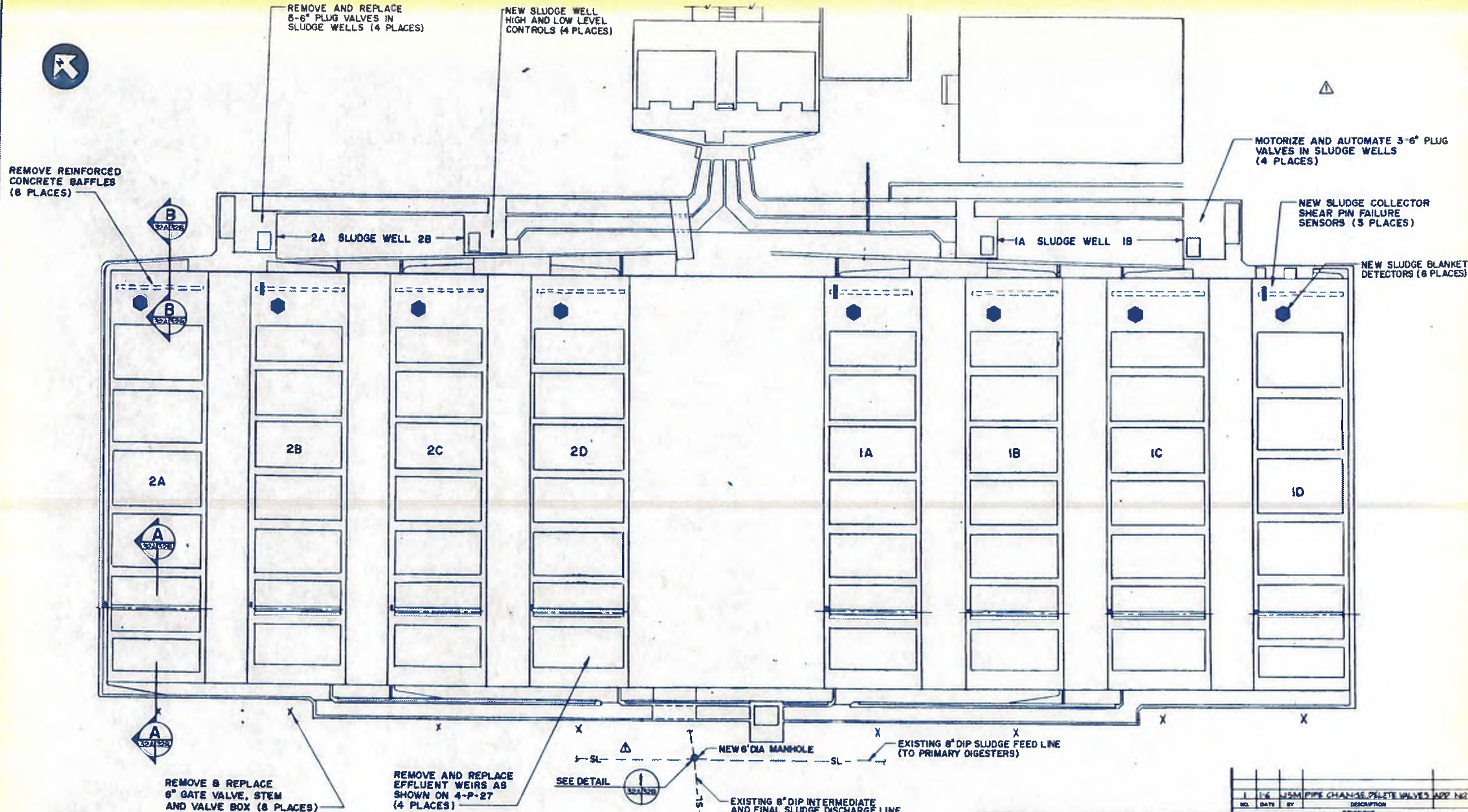
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND DISTRICT	DISTRICT	COUNTY
APPROVED		

PROJECT NO. 4-P-25

32



- NOTES:
- FURNISH AND INSTALL GRATING AND HAND-RAILING AS SHOWN ON 4-P-12
 - SURROUNDING PIPING NOT SHOWN EXCEPT AS NOTED.

PLAN
SCALE: 3/32" = 1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
PRIMARY SETTLING TANKS
PLAN

NO.	DATE	BY	DESCRIPTION	REVISION
1	1/6	JSM	PIPE CHANGE PILETE VALVES AND NUTS	

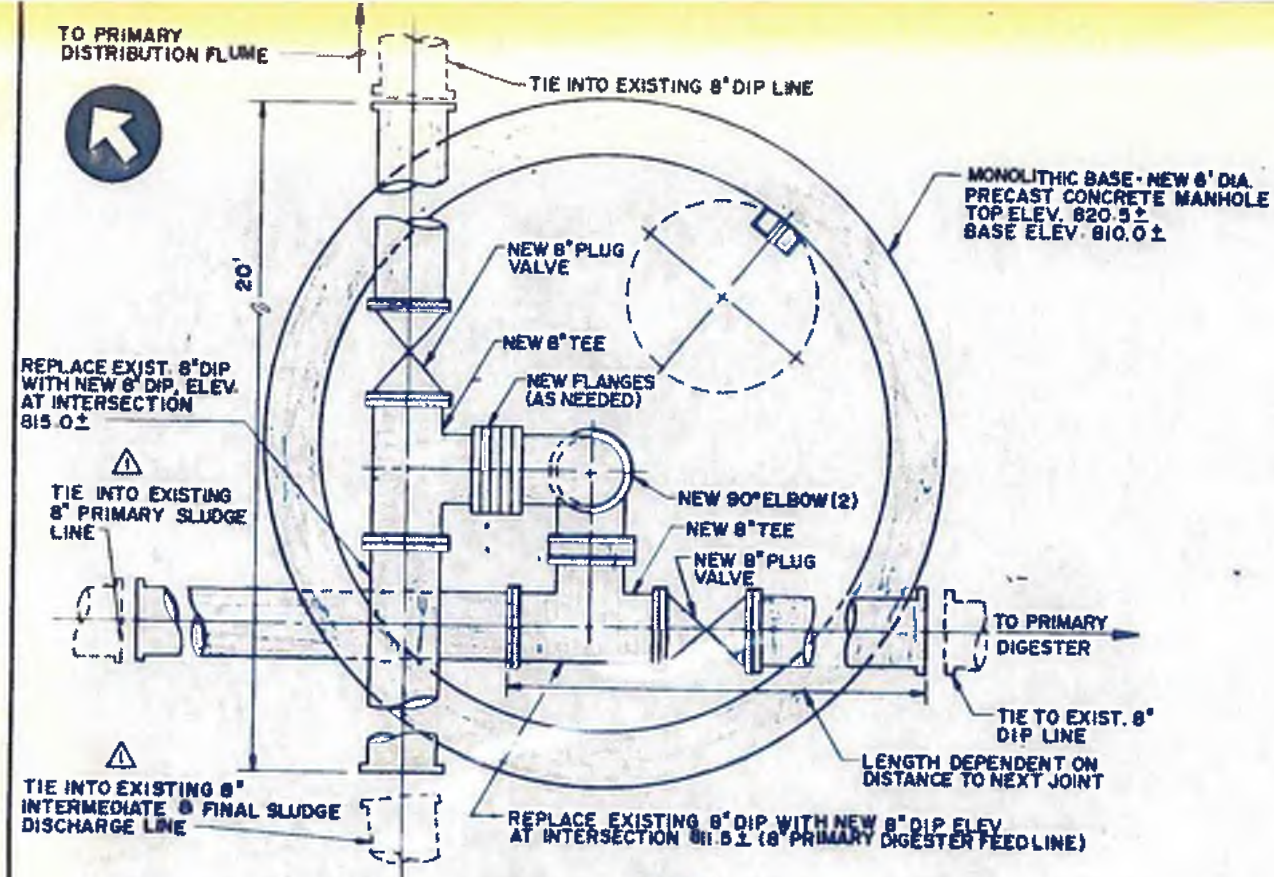
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

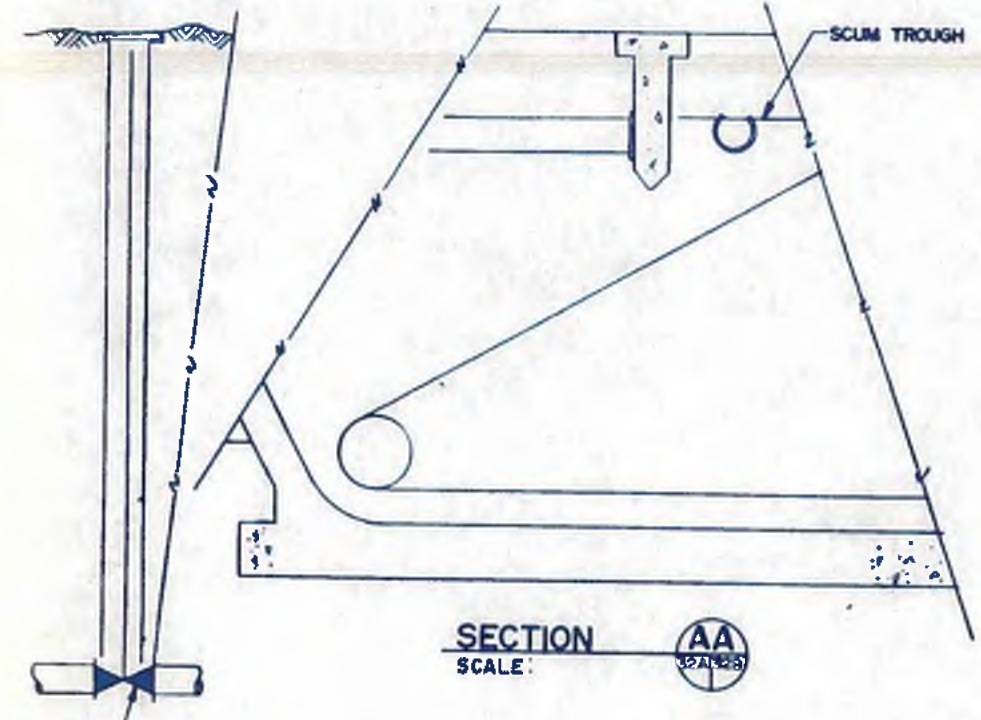
LAND LOT: _____ DISTRICT: _____ COUNTY: _____

APPROVED: _____ SHEET NO. **32A**

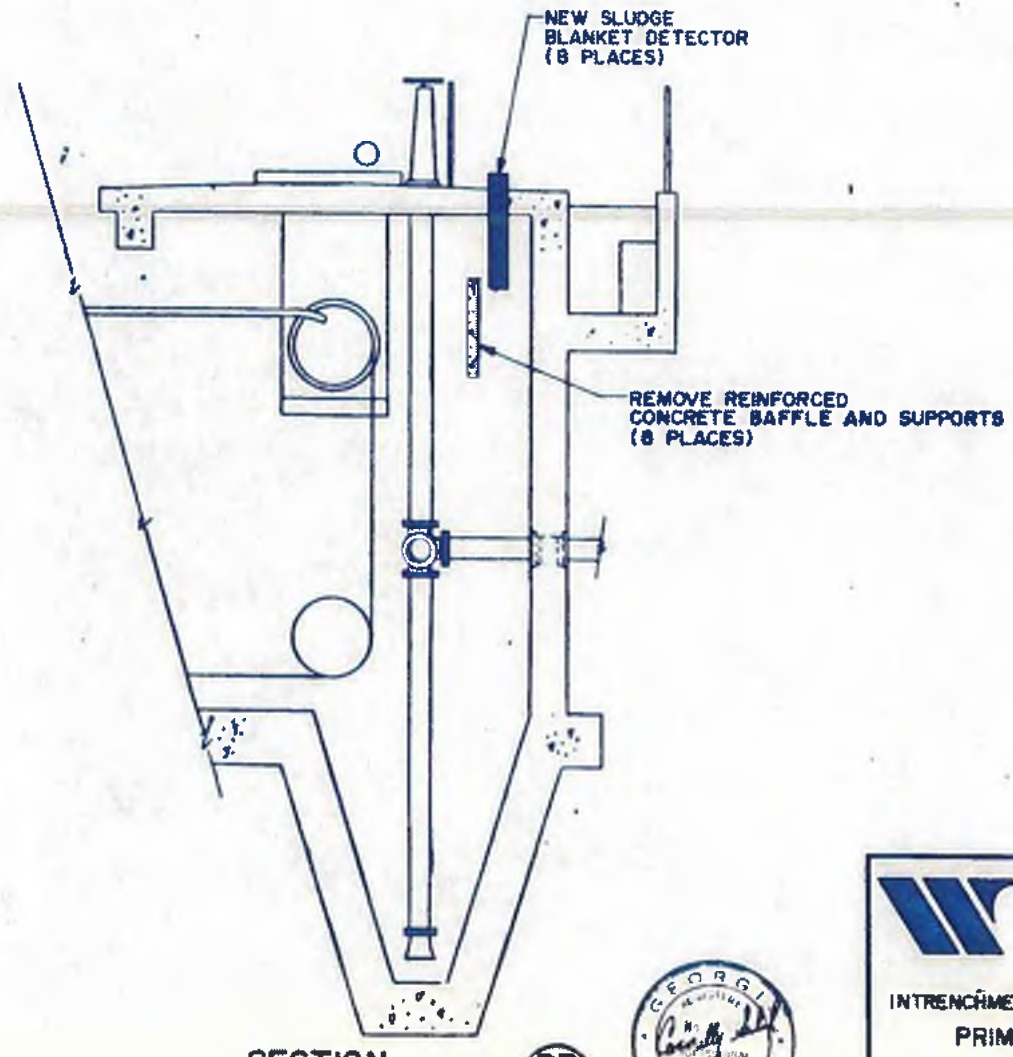
DESIGNER: JSM APPROVED: _____
DRAWN: W.B. SCALE: AS NOTED DATE: MAY 10, 1982
CHECKED: DEN



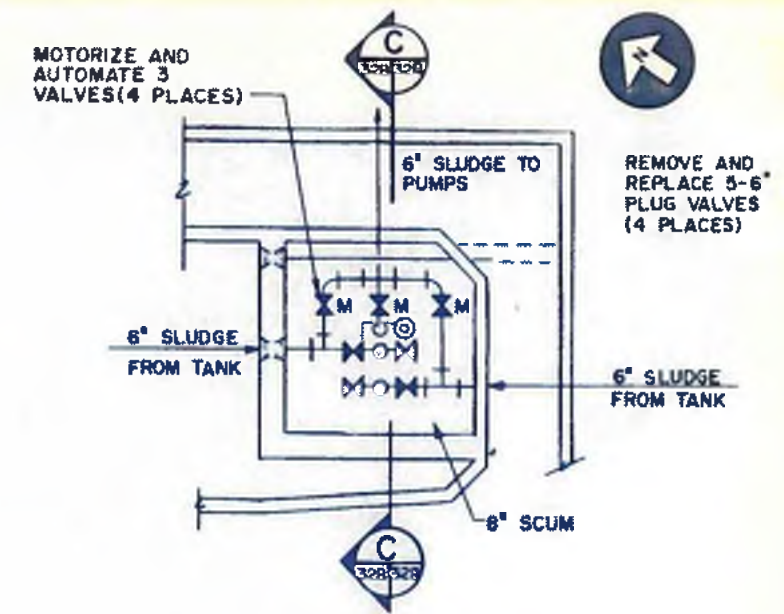
DETAIL
SCALE: 1" = 1'-0"



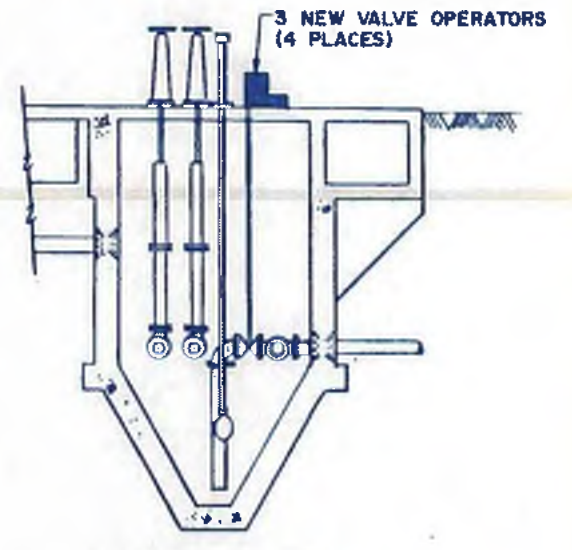
REMOVE AND REPLACE 8" GATE VALVE, (8 PLACES)



SECTION BB
SCALE:
SLUDGE HOPPER



WALL PLAN



SECTION CC
SCALE: 1/4" = 1'-0"
SLUDGE WELL 1B, OTHER 3 WELLS SIMILAR

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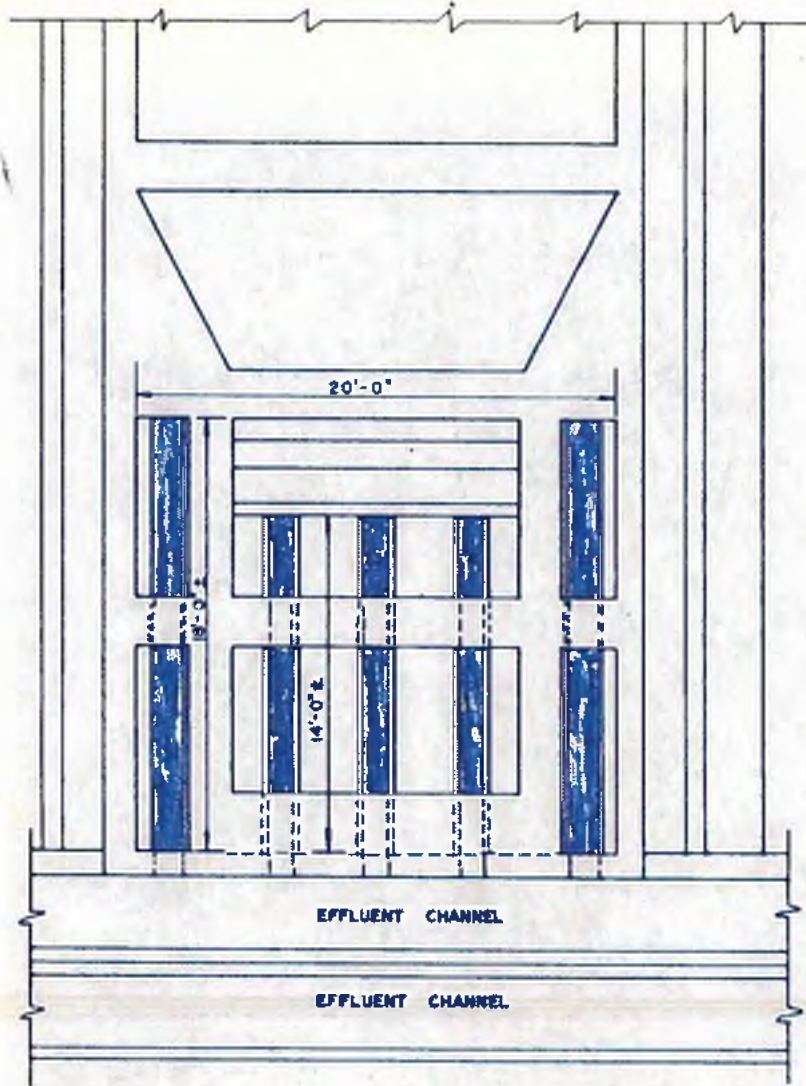
INTRENCHMENT CREEK PLANT MODIFICATIONS
PRIMARY SETTLING TANKS
SECTIONS & DETAILS



CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

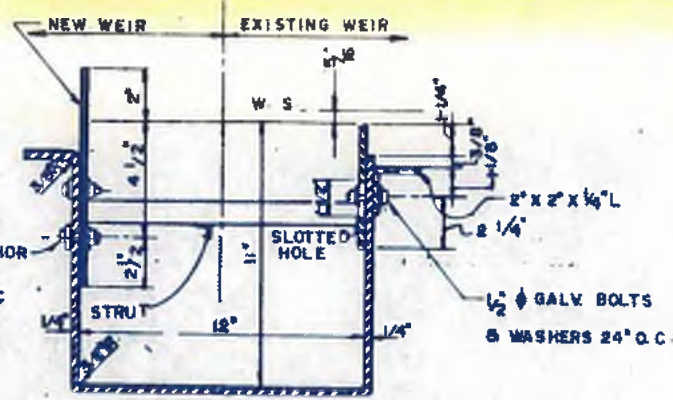
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

ORGN	JSM	APPROVED			
CHKD	DEH	SCALE AS NOTED	DATE	MAY 10, 1982	DRAWING NO. 4-P-25 B
LARD LOT			SHEET NO.		32B

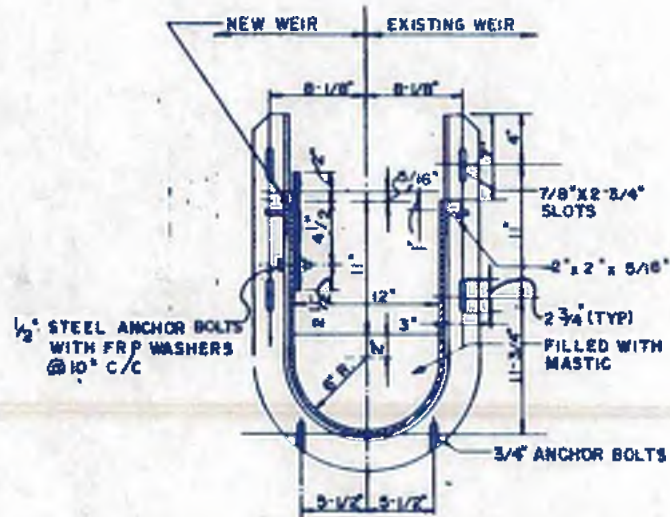


SETTLING TANK TROUGHS (EXCEPT TANK 1D)
SCALE 1/4" = 1'-0"

1/2" ϕ STEEL ANCHOR BOLTS WITH FRP WASHERS @ 10" C/C (STAGGERED)



SECTION THRU EXISTING TROUGH (TYPE A) - 27 PLACES
N.T.S.

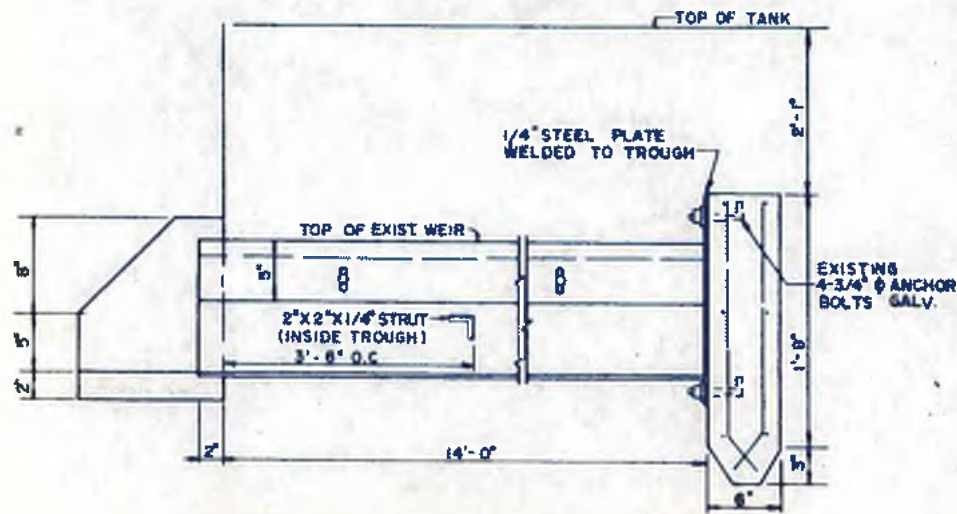


SECTION THRU EXISTING TROUGH (TYPE B) - 14 PLACES
N.T.S.

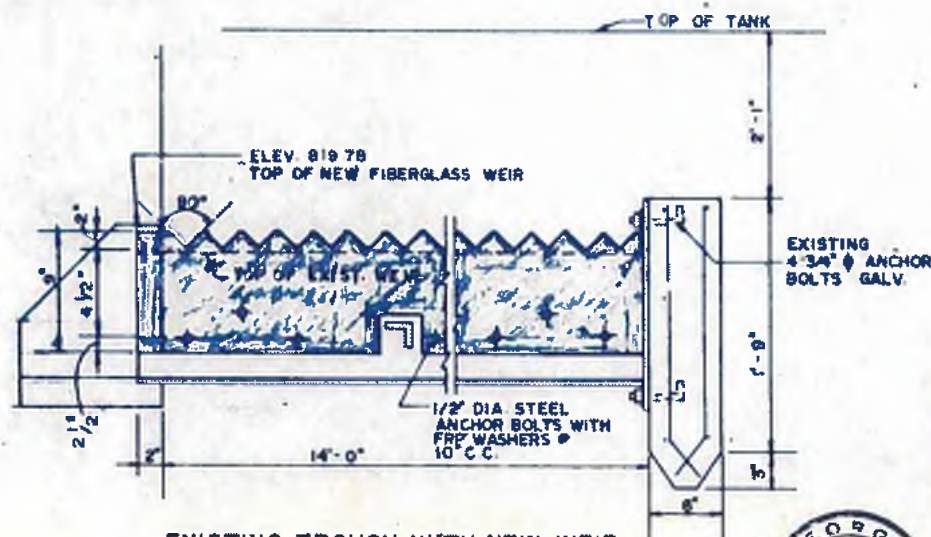
NOTES:

1. INSTALL FIBERGLASS REINFORCED PLASTIC WEIR ON BOTH SIDES OF THE EXISTING TROUGH.
2. THERE ARE EIGHT PRIMARY SETTLING TANKS SEE SHEET B FOR LAYOUT. TANK 1D CONTAINS 8 TROUGHS (APPROX 13'-8" LONG).
3. THERE ARE TWO TYPES OF EXISTING TROUGH AS SHOWN. CONTRACTOR SHALL VERIFY THE LENGTH, SIZE, AND TYPE OF TROUGH FOR EACH TANK.
4. THE TOP OF EXISTING WEIR ELEVATION SHALL BE MAINTAINED TO MATCH WITH THE BOTTOM OF V-NOTCH WEIR ELEVATION.
5. NEW WEIR INSTALLATION MAY VARY AS PER MANUFACTURER'S REQUIREMENTS.
6. TROUGH TYPES ARE AS FOLLOWS:

TANK	TYPE A	TYPE B
1A, 1B, 1C	TROUGH 2,3,4	TROUGH 1,5
2A, 2B, 2C, 2D	TROUGH 2,3,4	TROUGH 1,5
1D	ALL	ALL
7. DRILL NEW HOLES FOR FIBERGLASS WEIR.



SECTION THRU EXISTING TROUGH (TYPE A)
N.T.S.



EXISTING TROUGH WITH NEW WEIR
N.T.S.

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INTRENCHMENT CREEK PLANT MODIFICATIONS
PRIMARY SETTLING TANK WEIRS



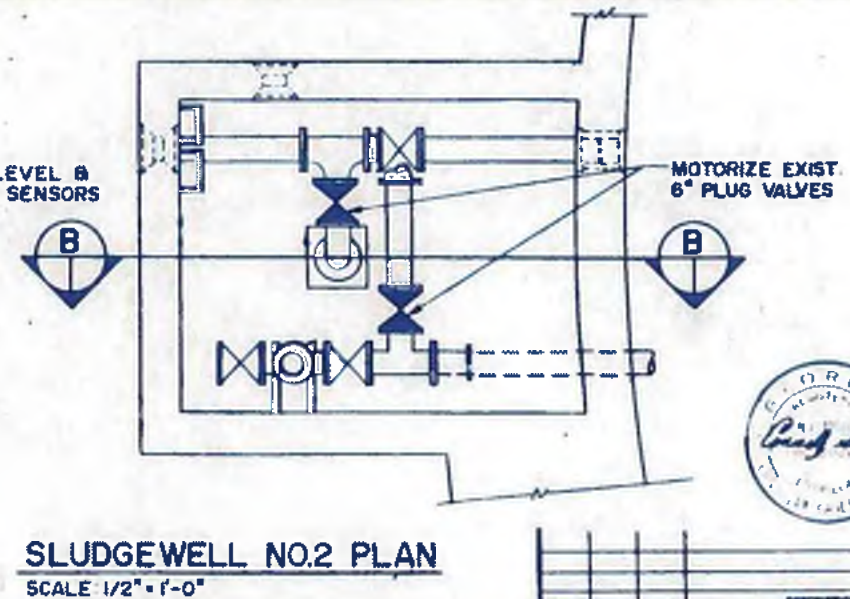
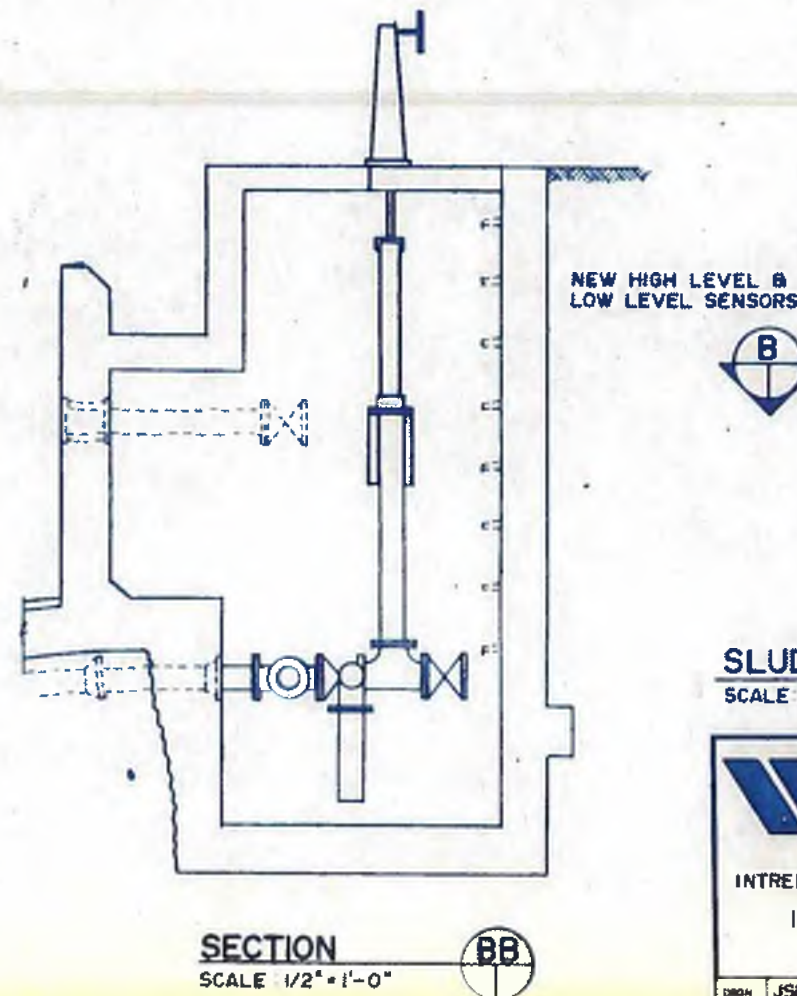
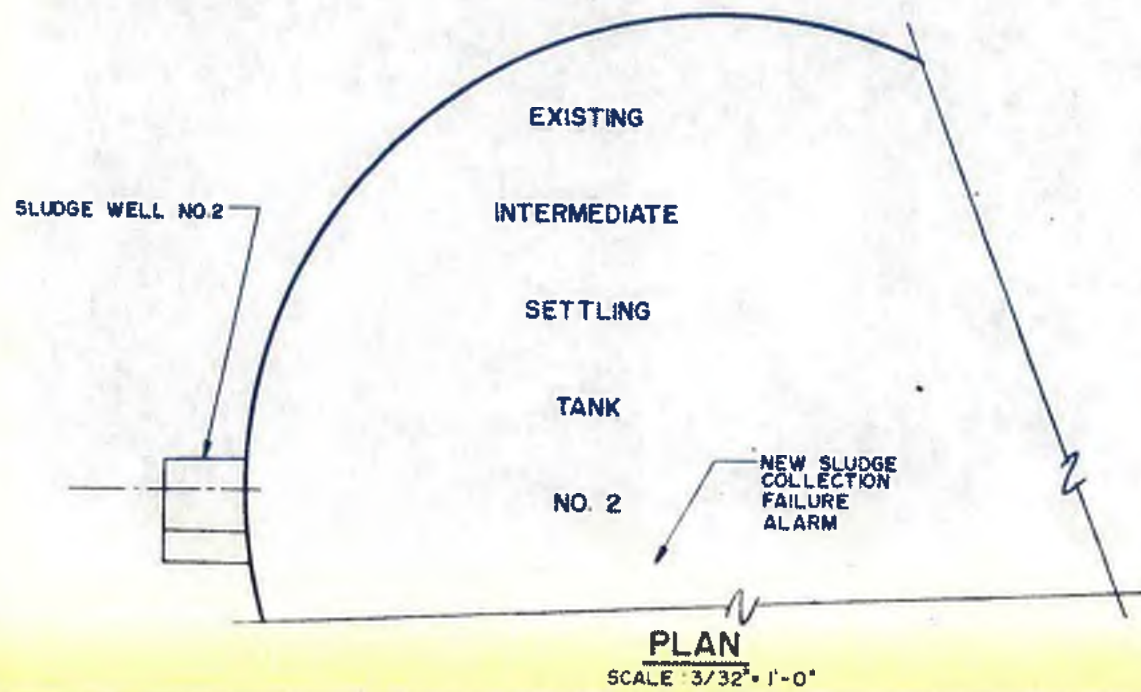
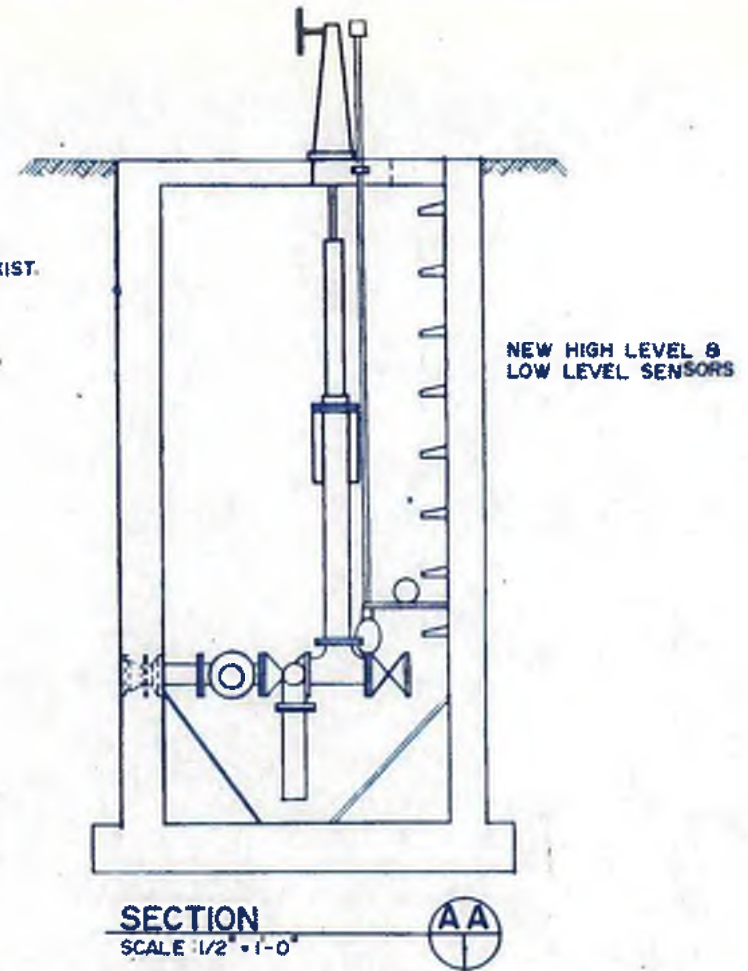
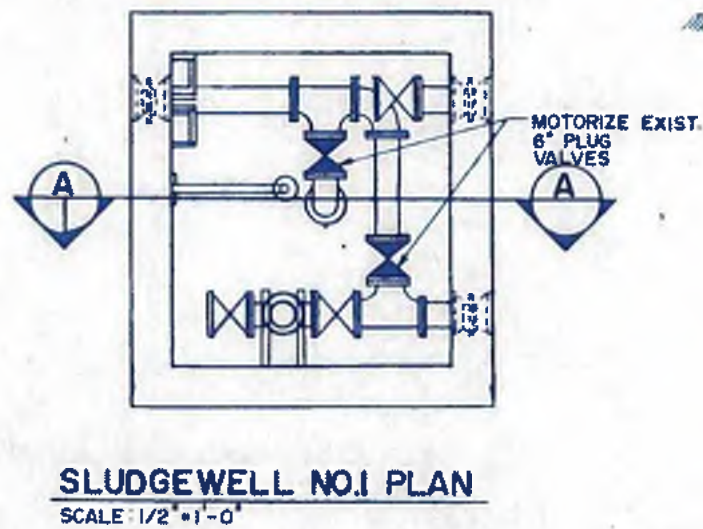
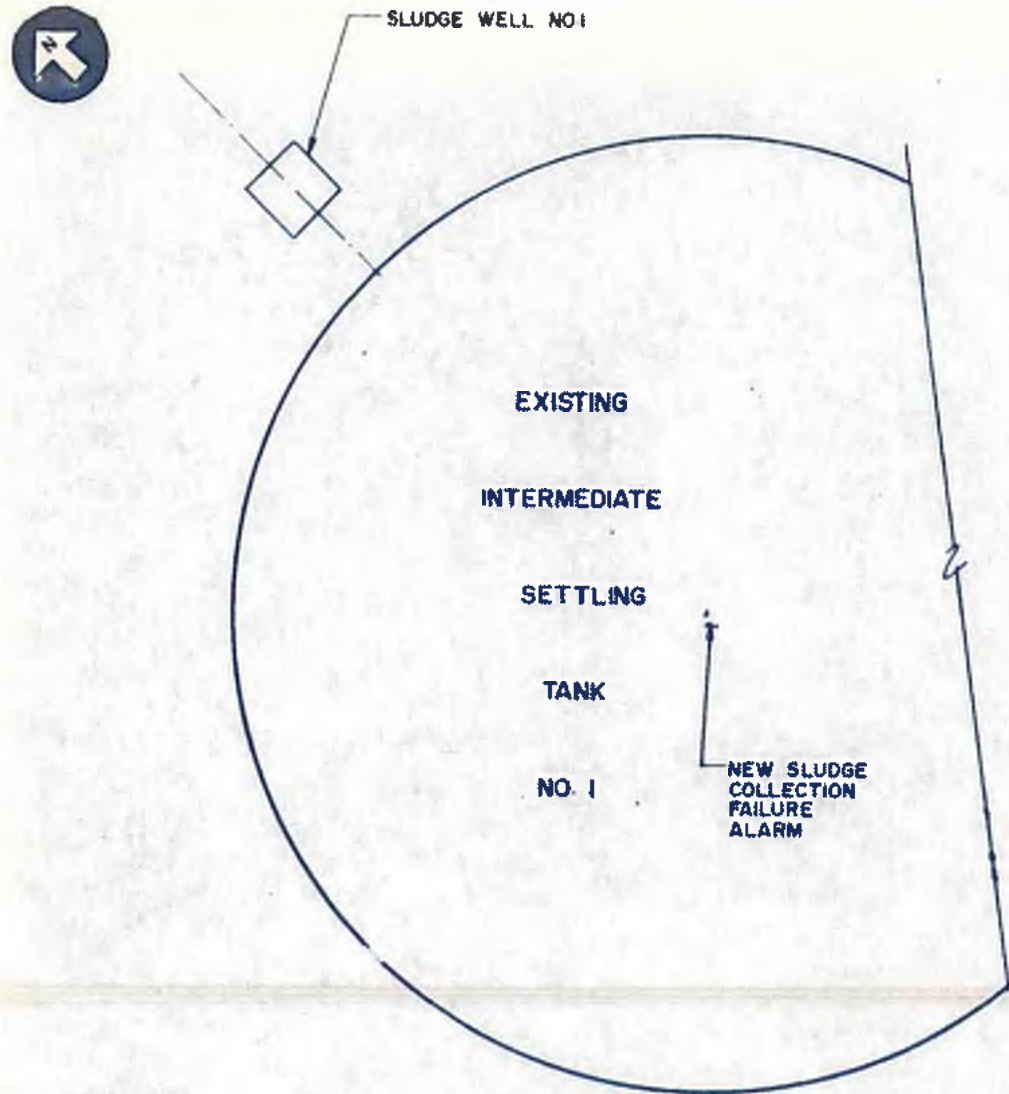
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

DESIGN: C.C.S. APPROVED
DRAWN: M.B.M.
CHECKED: B.L.S. SCALE: AS SHOWN DATE: MAY 10, 1982

LAND LOT: DISTRICT: COUNTY:
APPROVED: SHEET NO. 33
DRAWING NO. 4-P-27





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**INTRENCHMENT CREEK PLANT MODIFICATIONS
INTERMEDIATE SETTLING TANKS**

DESIGN	JSM	APPROVED
OWNER	W.B.	APPROVED
CHECKED	DLH	SCALE AS SHOWN

DATE MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACES

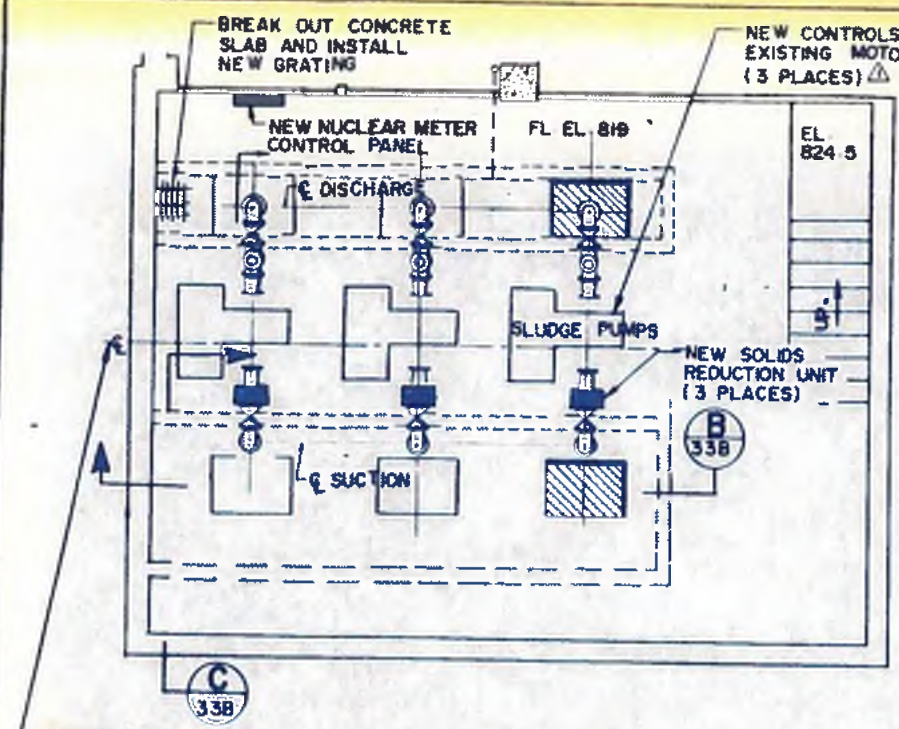
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

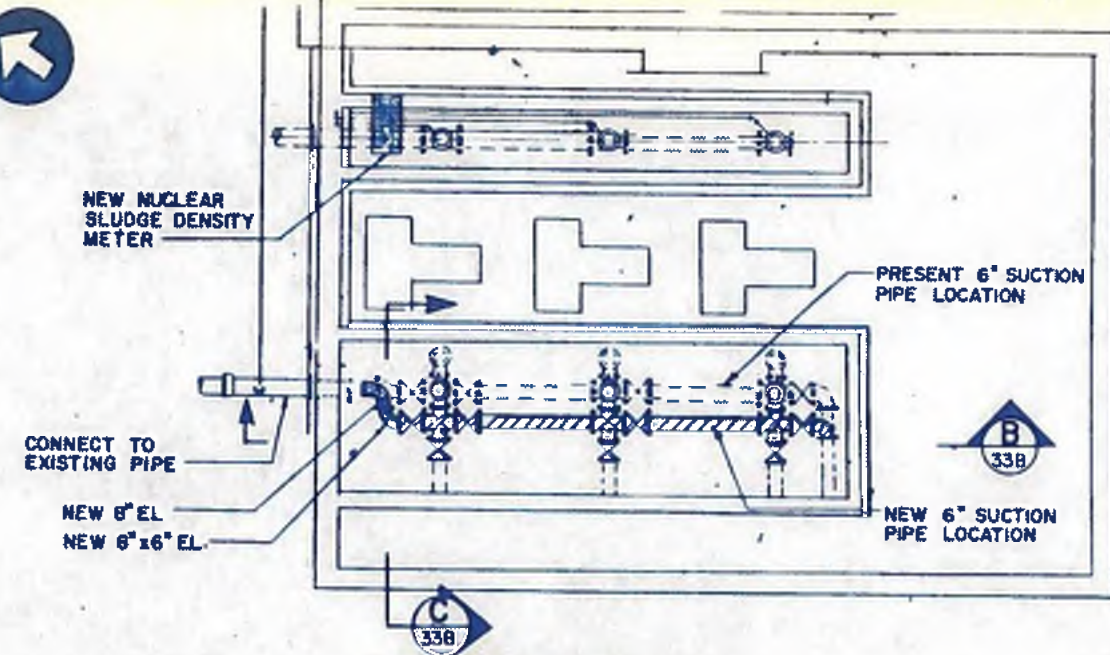
LAME LOT	DISTRICT	COUNTY

DRAWING NO. 4-P-27A

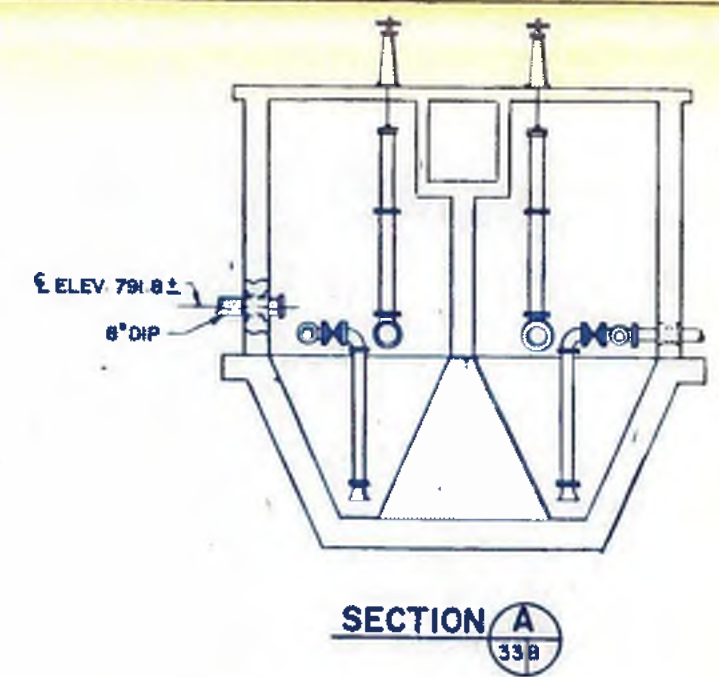
33A



PLAN ABOVE SLAB
SCALE 1/4" = 1'-0"

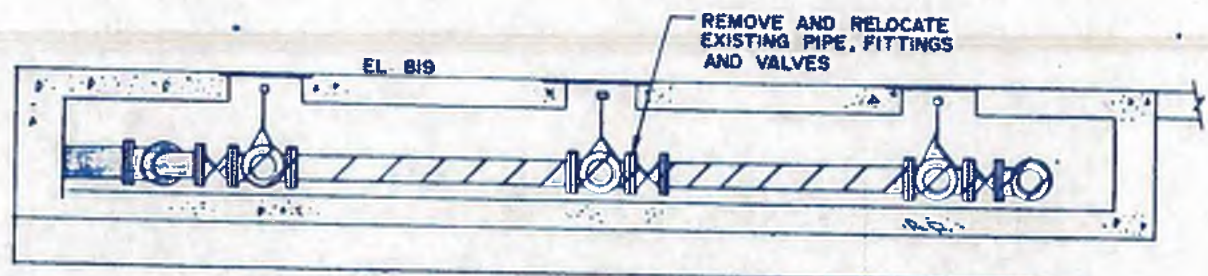


PLAN BELOW SLAB
SCALE 1/4" = 1'-0"

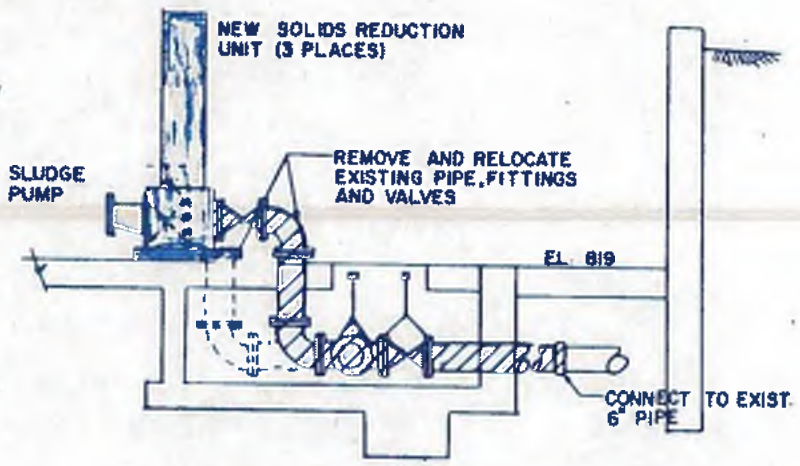


SECTION A
SCALE 1/2" = 1'-0"

REMOVE AND REPLACE EXIST. MONORAIL AT NEW CEILING

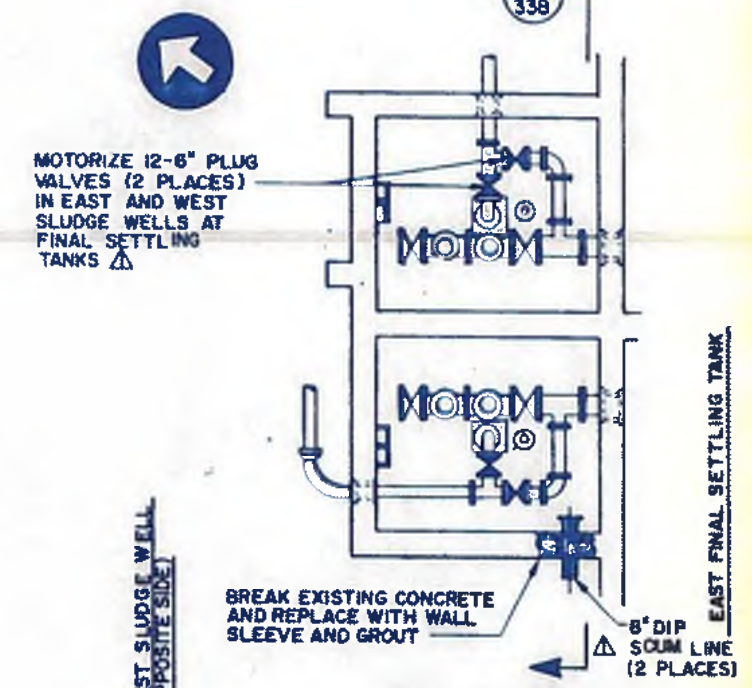


SECTION B
SCALE 1/2" = 1'-0"

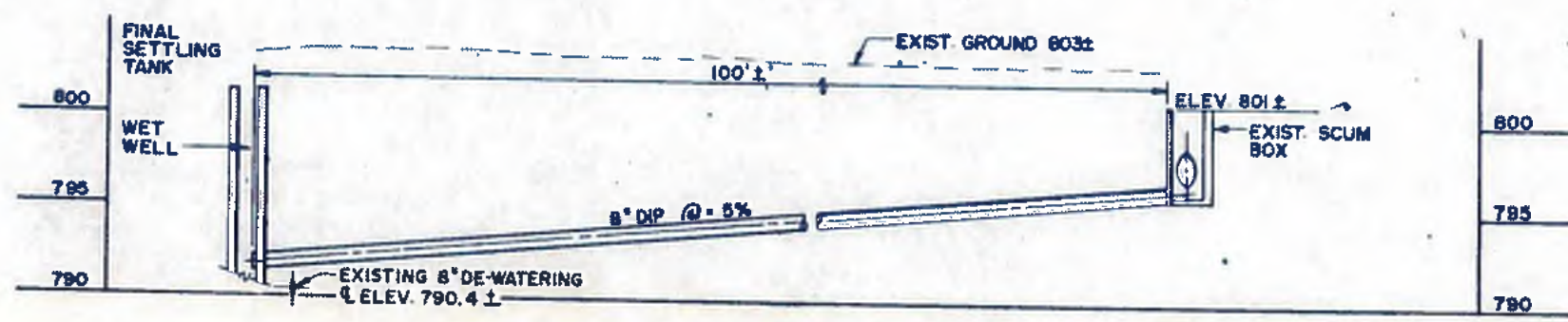


SECTION C
SCALE 1/2" = 1'-0"

PUMP ROOM ADMINISTRATION BUILDING



WALL PLAN EAST SLUDGE WELL
SCALE 1/4" = 1'-0"



NEW 8" DIP SCUM LINE (2 PLACES) PROFILE
SCALE: HORIZ. 1" = 10'
VERT. 1" = 5'
NOTE: FOR PLAN, SEE SHT. NO. 17



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INTRINCHEMENT CREEK PLANT MODIFICATIONS
MISCELLANEOUS MODIFICATIONS I

DESIGNER: JM
OWNER: WLB
CHECKED: DEH

APPROVED: [Signature]

SCALE: AS SHOWN
DATE: MAY 10, 1992

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

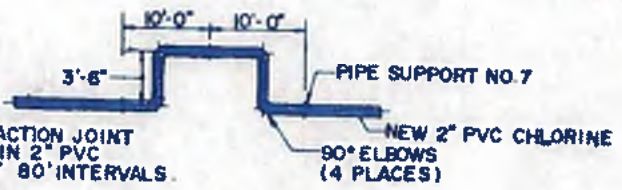
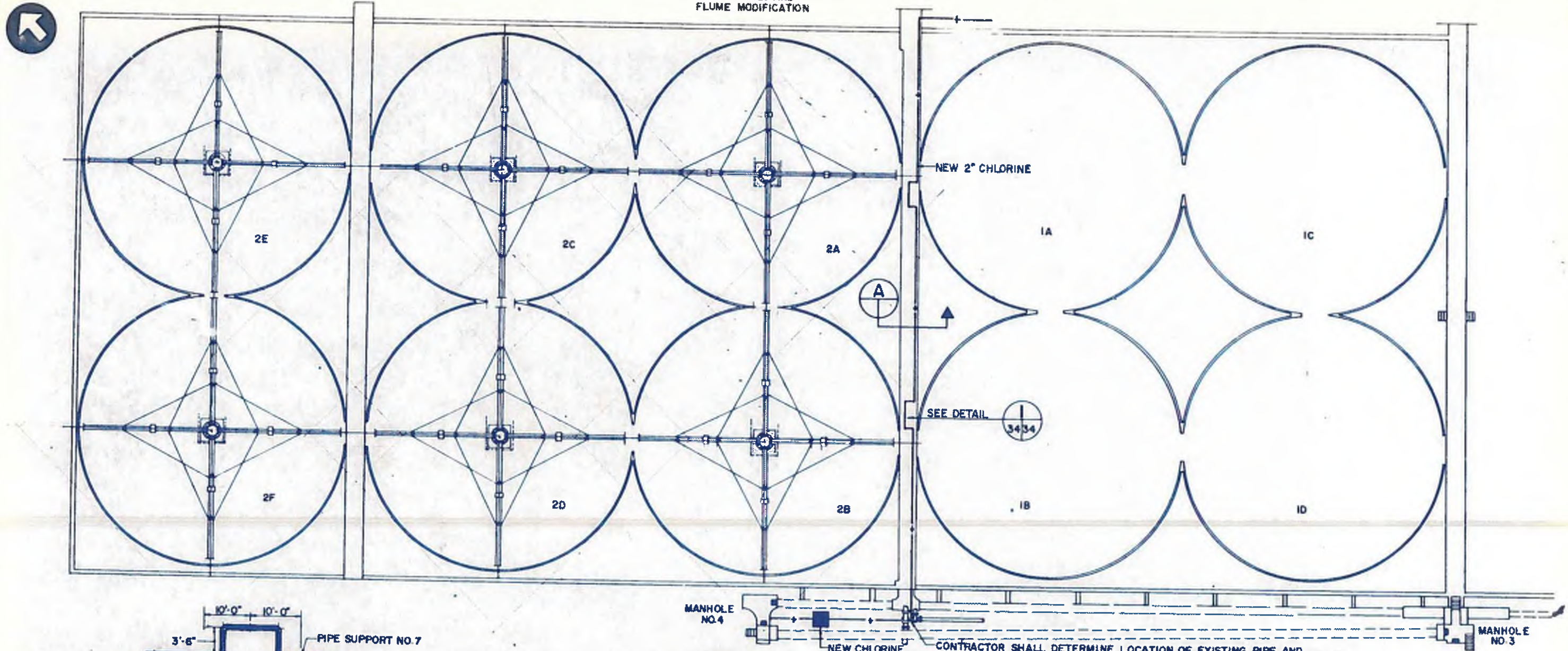
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

NO.	DATE	BY	DESCRIPTION	APPROVED	PLACES
6-1		JSM	PERMITS GLASS PIPE ADD		120.3

LAND LOT: [] DISTRICT: [] COUNTY: [] SHEET NO.: 338

DRAWING NO. 4-P-278

SEE SH. 14 AND 88
FOR 42" Ø DI AND
FLUME MODIFICATION

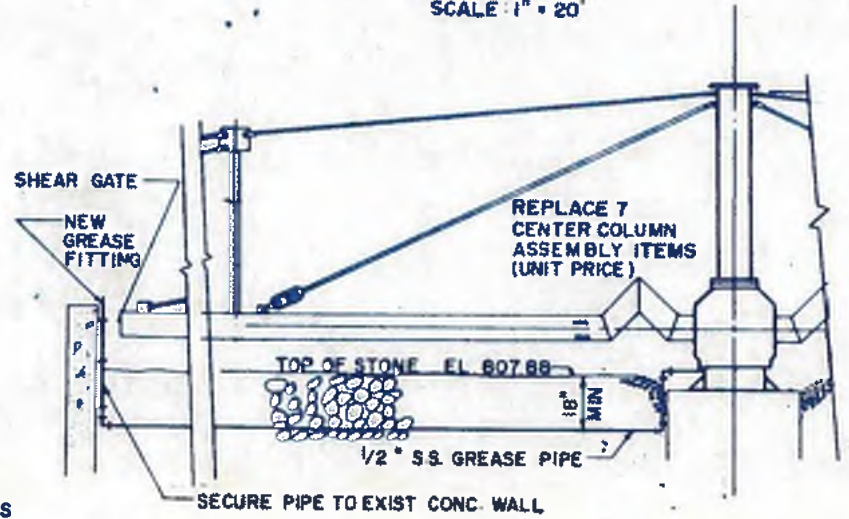


NOTE: EXPANSION/CONTRACTION JOINT SHALL BE PLACED IN 2" PVC CHLORINE LINE AT 80' INTERVALS.

DETAIL
N.T.S. 34/34

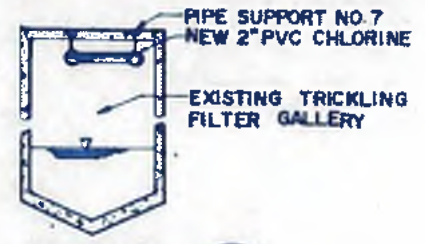
- NOTE:
1. SUPPLY BEARINGS, SEALS AND STATIONARY CENTER COLUMNS FOR 12 TRICKLING FILTERS UNDER UNIT PRICE ITEM.
 2. INSTALL NEW PARTS IN 7 TRICKLING FILTERS UNDER UNIT PRICE ITEM
 3. NEW PLATE FOR ASSEMBLY SHALL FIT EXISTING EMBEDDED BOLTS (12 ON 30" BC)
 4. FOR DISPOSAL OF RETIRED EQUIPMENT SEE SPECIFICATIONS
 5. REMOVE AND REPLACE 24 SHEAR GATES UNDER UNIT PRICE ITEM.

PLAN
SCALE: 1" = 20'



CENTER COLUMN DETAIL
SCALE 3/8" = 1'-0"

CONTRACTOR SHALL DETERMINE LOCATION OF EXISTING PIPE AND STRUCTURES. LOCATE 2" PVC PIPE & FITTINGS TO AVOID INTERFERENCES.



SECTION A
N.T.S.



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INTRENCHMENT CREEK PLANT MODIFICATIONS
IMPROVEMENTS TRICKLING FILTERS

DESIGN: BLS APPROVED
DRAWN: VJ
CHECKED: BLS SCALE: AS SHOWN DATE: MAY 10, 1982

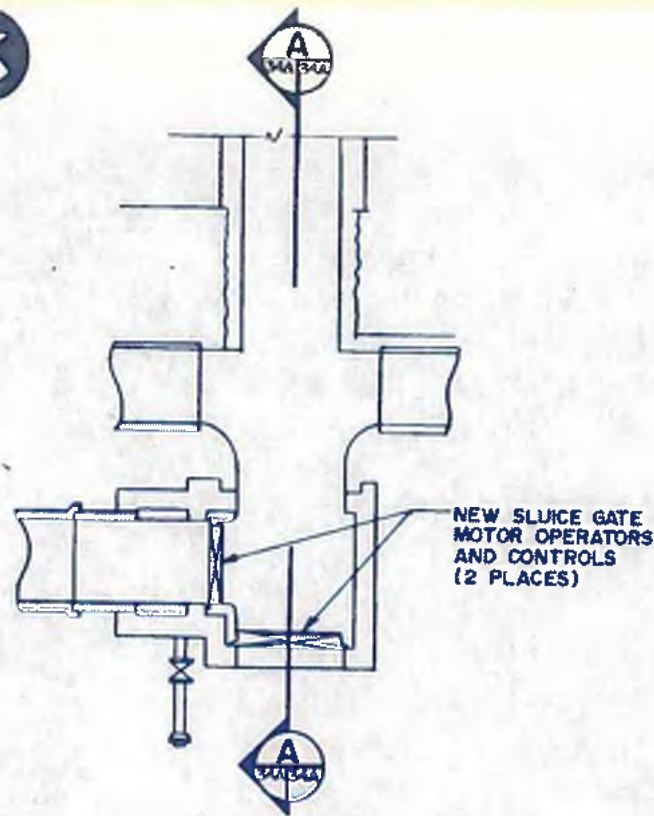
NO.	DATE	BY	DESCRIPTION	PLACES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

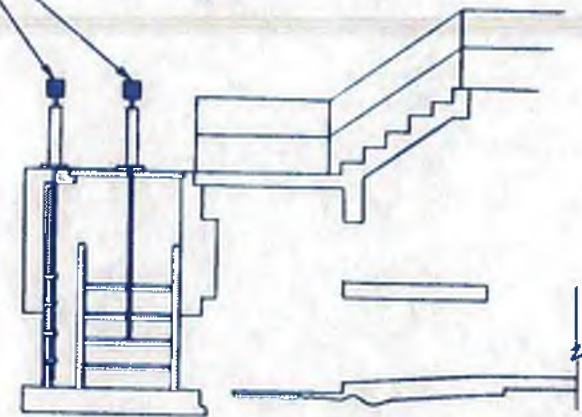
LAND LOT	DISTRICT	COUNTY

DRAWING NO. 4-P-28



WALL PLAN

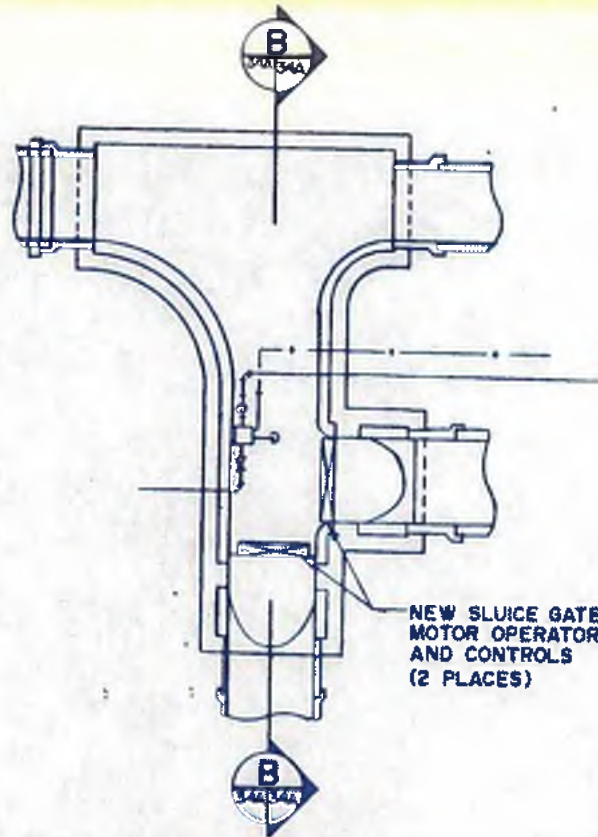
NEW SLUICE GATE MOTOR OPERATORS AND CONTROLS (2 PLACES)



SECTION AA

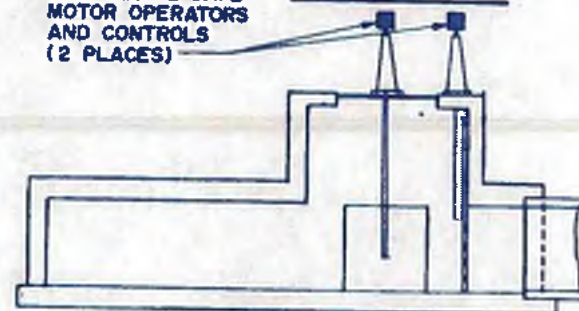
MANHOLE NO. 3

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



WALL PLAN

NEW SLUICE GATE MOTOR OPERATORS AND CONTROLS (2 PLACES)

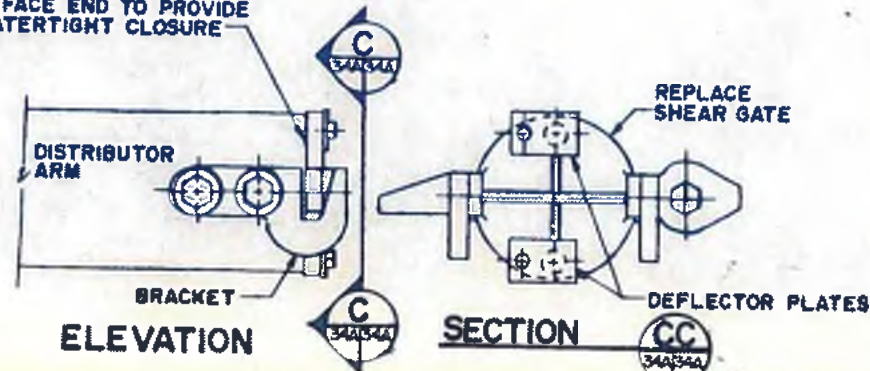


SECTION BB

MANHOLE NO. 4

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

REFACE END TO PROVIDE WATERTIGHT CLOSURE



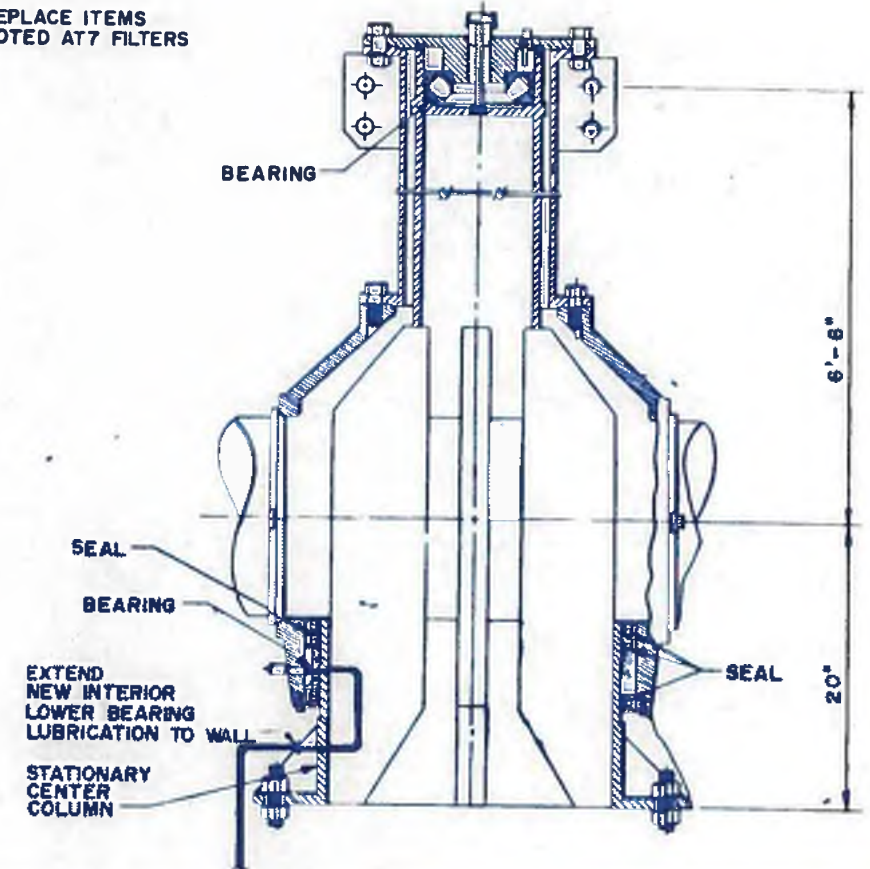
ELEVATION

SECTION CC

SHEAR GATE TYPICAL UNIT PRICE
N.T.S.

SUPPLY ITEMS NOTED FOR 12 FILTERS

REPLACE ITEMS NOTED AT 7 FILTERS



SECTION THROUGH

20' CENTER COLUMN
N.T.S.



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INTRENCHMENT CREEK PLANT MODIFICATIONS
TRICKLING FILTERS
SECTIONS AND DETAILS

DESIGN: JSM APPROVED
DRAWN: WLB
CHECKED: DEH SCALE: AS SHOWN DATE: MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				

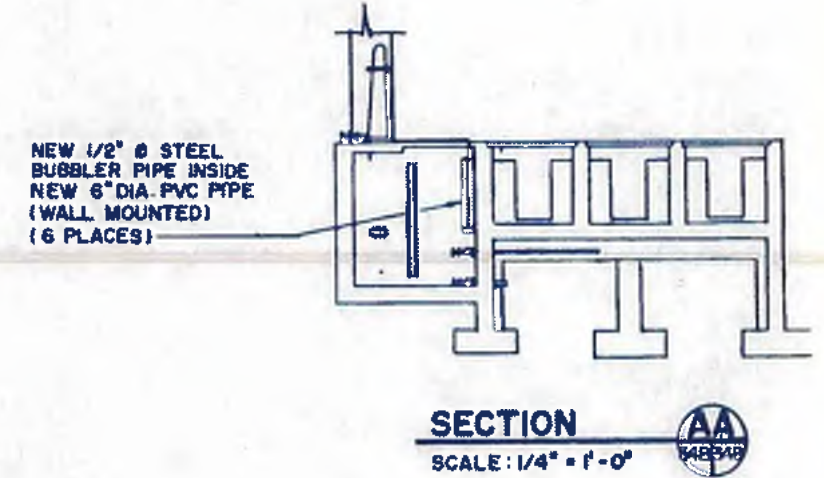
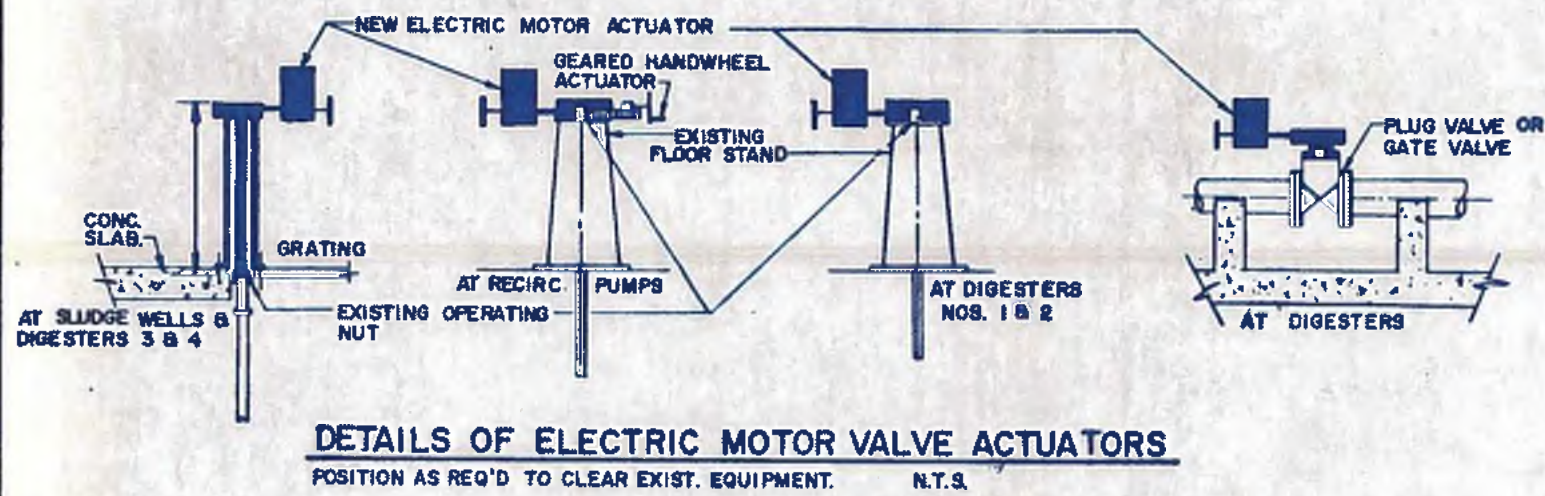
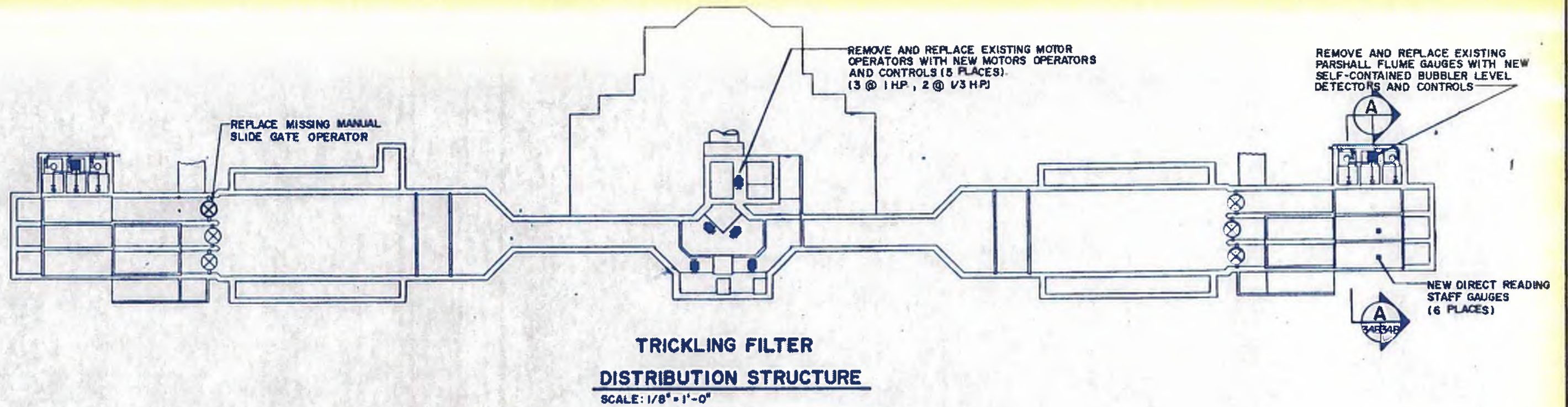


CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: APPROVED
DISTRICT: COUNTY: SHEET NO. **34A**

DRAWING NO. 4-P-28A



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INTRENCHMENT CREEK PLANT MODIFICATIONS
MISCELLANEOUS MODIFICATIONS 2

ORGN FR APPROVED
ORGN WLB
CHD DEH SCALE AS NOTED DATE MAY 10, 1982

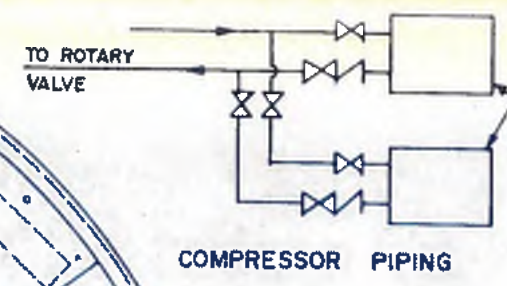
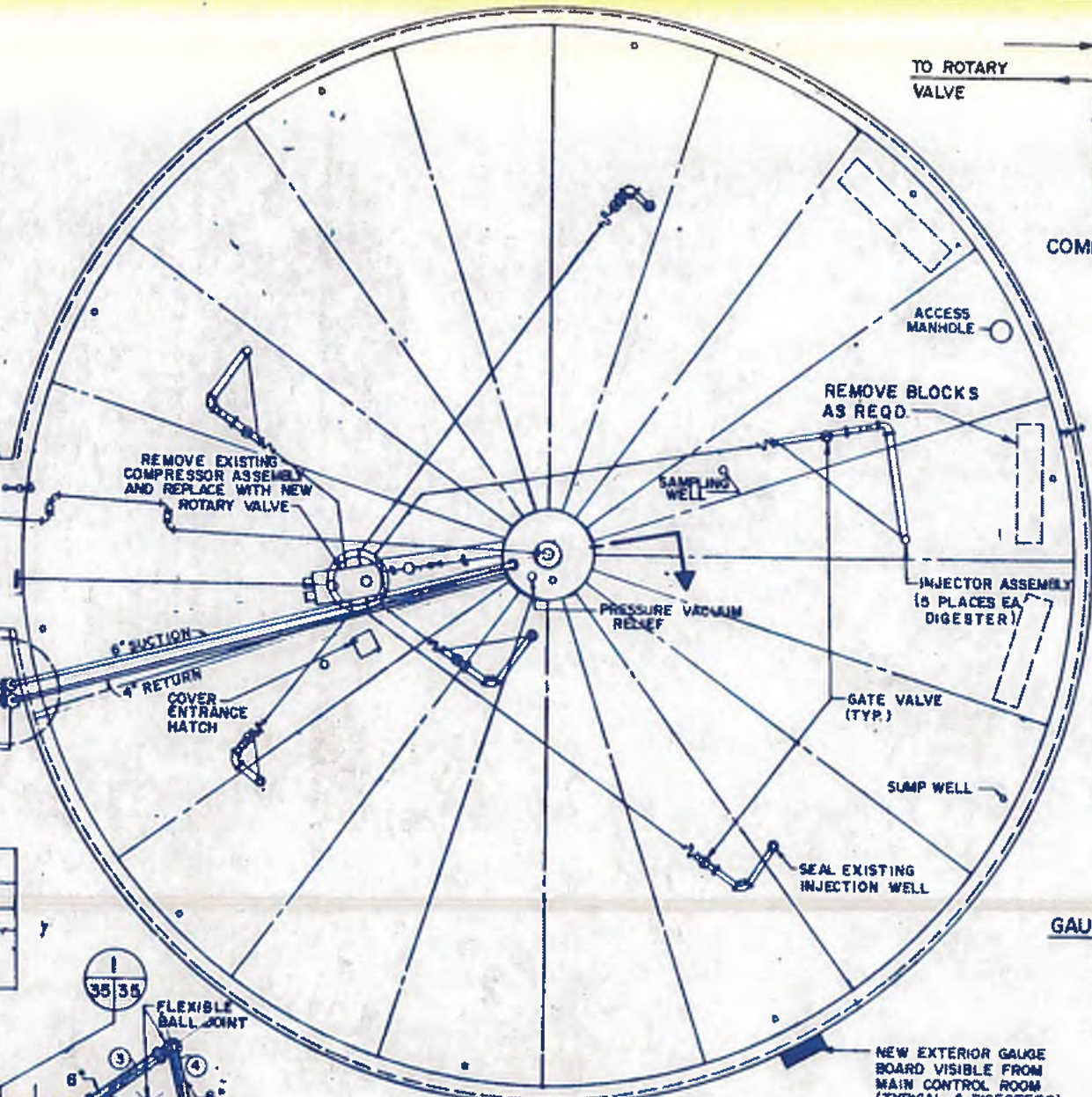
NO	DATE	BY	DESCRIPTION	PLACES
REVISIONS				
CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREET BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND LOT	DISTRICT	COUNTY	SHEET NO.	
APPROVED			348	
DRAWING NO. 4-P-288				

DIGESTER NO. 2

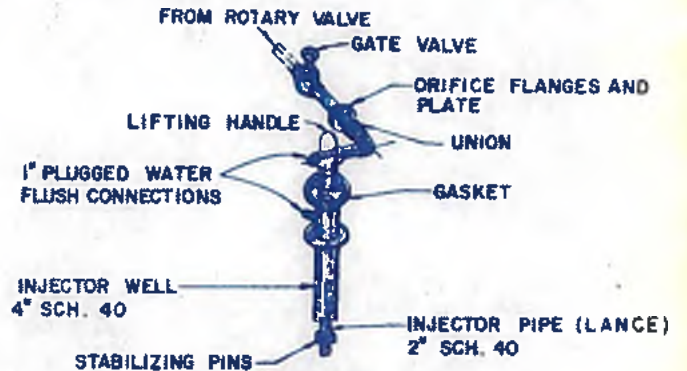
EXISTING DIGESTER CONTROL BUILDING NO. 1

ROOF PIPING PLAN
SCALE 1/8" = 1'-0"

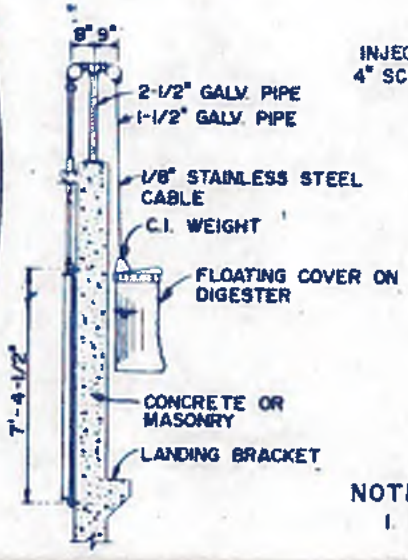
SWIVEL JOINTS SCHEDULE					
DIGESTER NO.	D	PIPE LENGTH			
		①	②	③	④
1 & 2	11'-2"±	7'-9"	6'-6"	7'-3"	7'-3"



DETAIL 2
NTS. 35/35



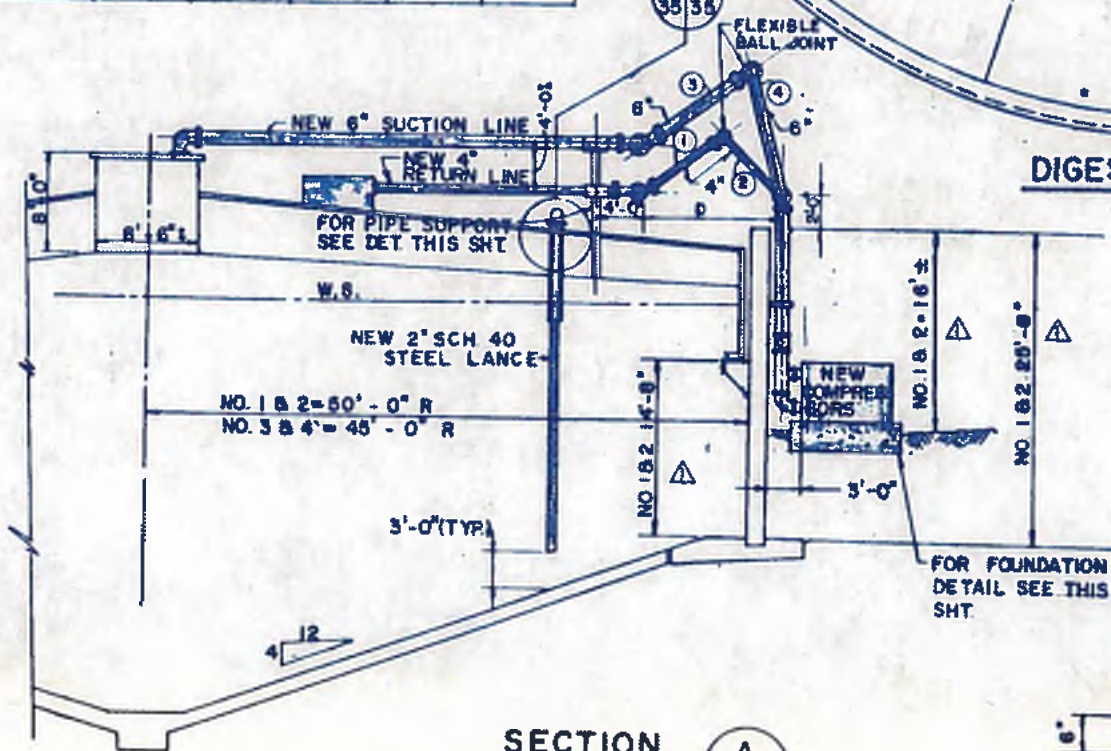
GAS INJECTOR ASSEMBLY DETAIL
SCALE: NTS. 1 35/35



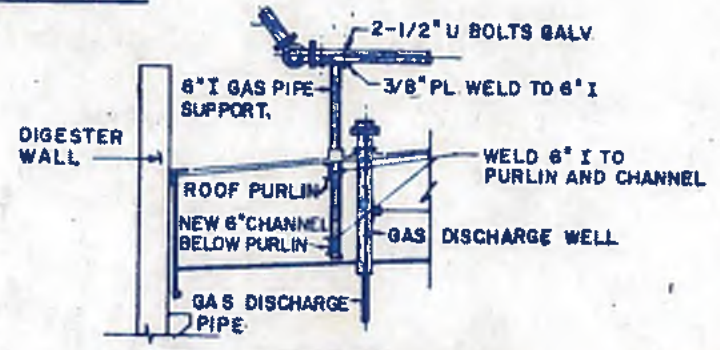
GAUGE BOARD (4 REQD.)
NTS.

- NOTES:
- FOR EACH DIGESTER REPLACE FIVE EXISTING LANCES WITH NEW LANCES AND MODIFY THE OPENING AS REQUIRED.
 - COMPRESSOR AND HOUSING SHALL BE ANCHORED ON PAD AS PER MFR'S REQUIREMENTS, (AT GRADE).
 - INCLUDE ACCUMULATOR AND DRIP TRAP AT EACH 6" SUCTION PIPE. (2 PLACES)
 - REMOVE EXISTING COMPRESSORS AND DISTRIBUTION PIPING CONNECTED TO THE DISCHARGE WELLS FROM DIGESTERS NOS. 1 & 2.
 - LENGTH AND WIDTH OF PAD SHALL PROVIDE 8" (MINIMUM) CLEARANCE ON ALL SIDES OF COMPRESSOR HOUSING (4 REQUIRED).

DIGESTER NO. 1



SECTION A
SCALE 1/8" = 1'-0" 35/35



PIPE SUPPORT DETAIL
SCALE NTS.



COMPRESSOR FOUNDATION DETAIL (NTS)

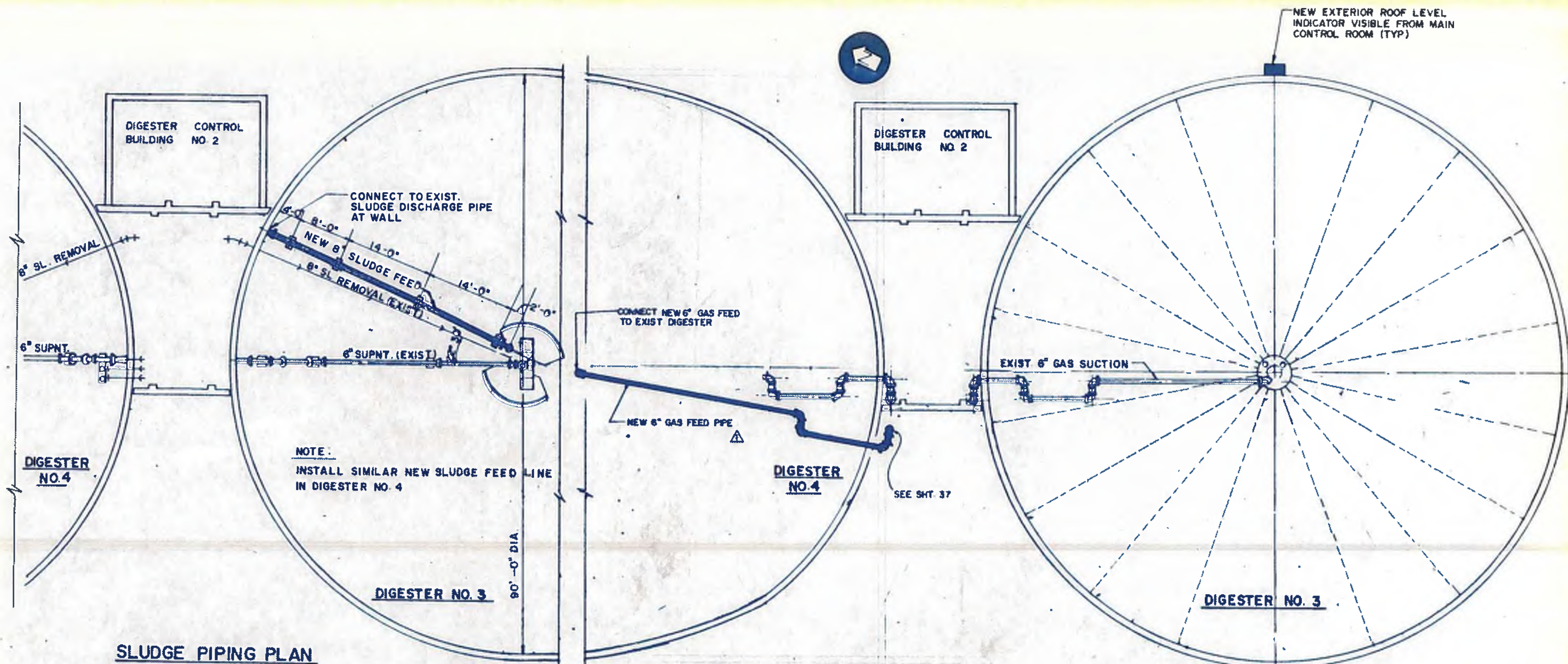
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engineers - planners
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INTRENCHMENT CREEK PLANT MODIFICATIONS
MIXING SYSTEMS DIGS. 1 & 2



CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

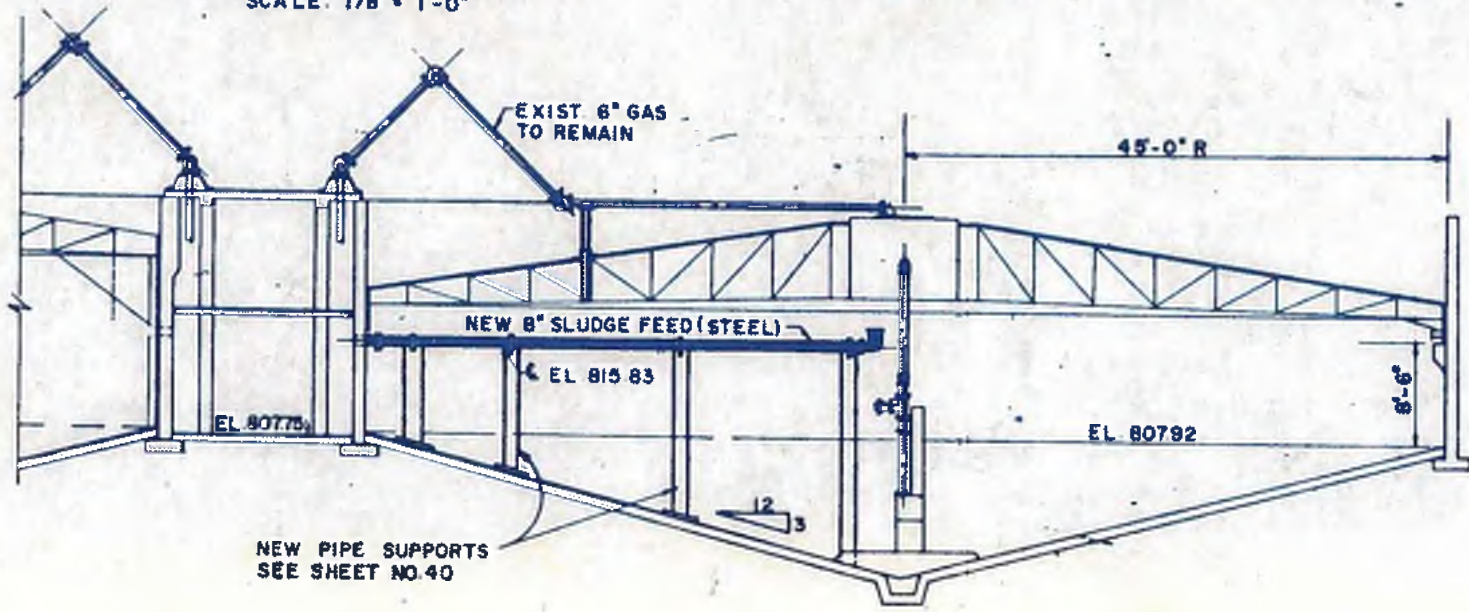
DATE: MAY 10, 1982
SCALE: AS SHOWN

THREE RIVERS WATER QUALITY MANAGEMENT PLAN
LAMB LOT: DISTRICT: COUNTY: SHEET NO: 35



SLUDGE PIPING PLAN
SCALE: 1/8" = 1'-0"

ROOF PIPING PLAN
SCALE: 1/8" = 1'-0"



SECTION THRU EXISTING DIGESTER 3
SCALE: 1/8" = 1'-0"

1. INCLUDE ACCUMULATOR AND DRIP TRAP AT NEW 6" GAS FEED



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INTRENCHMENT CREEK PLANT MODIFICATIONS
DIGS 384
SLUDGE FEED MOD.

DATE: C.C.S. APPROVED
DRAWN: R.J.D.
CHECKED: B.L.S. SCALE: AS SHOWN DATE: MAY 10, 1992

NO.	DATE	BY	DESCRIPTION	ADD. NO.
1			ADD 6" GAS FEED PIPE	
2			DELETE MAKING SYSTEM	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

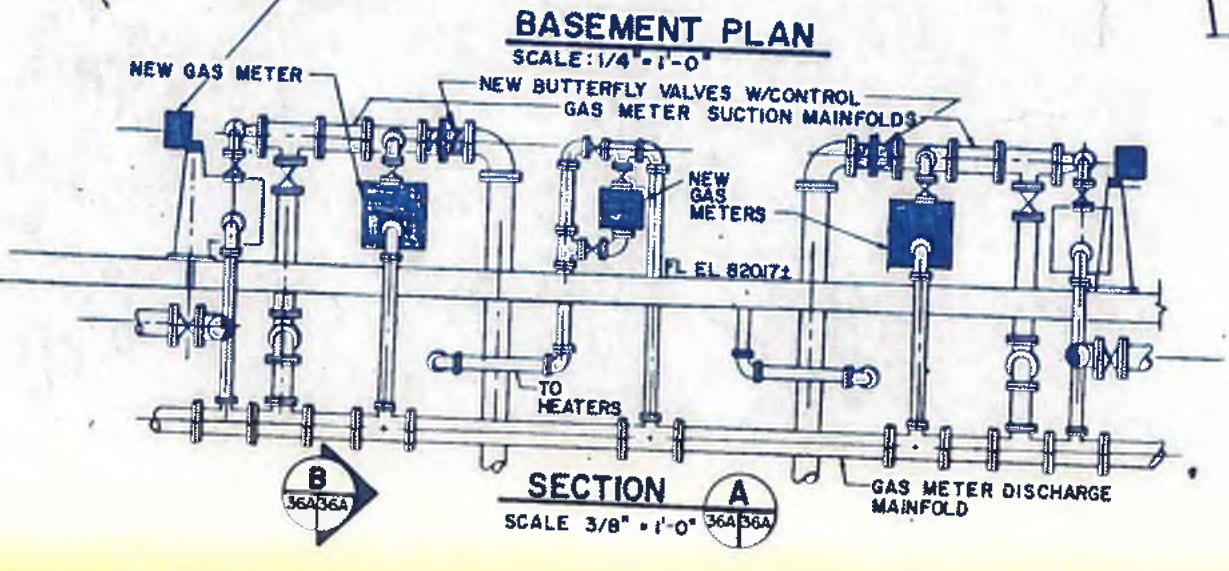
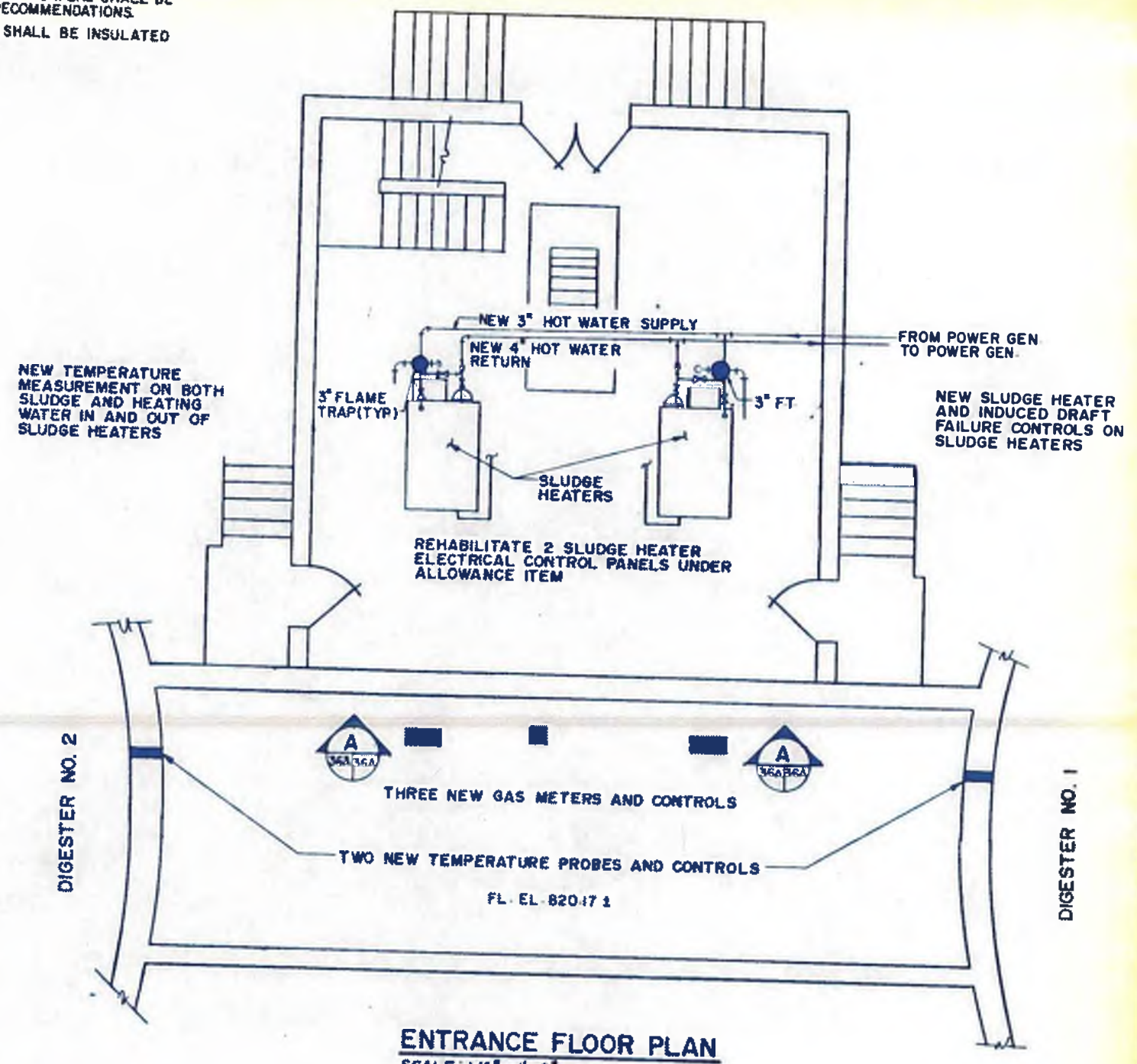
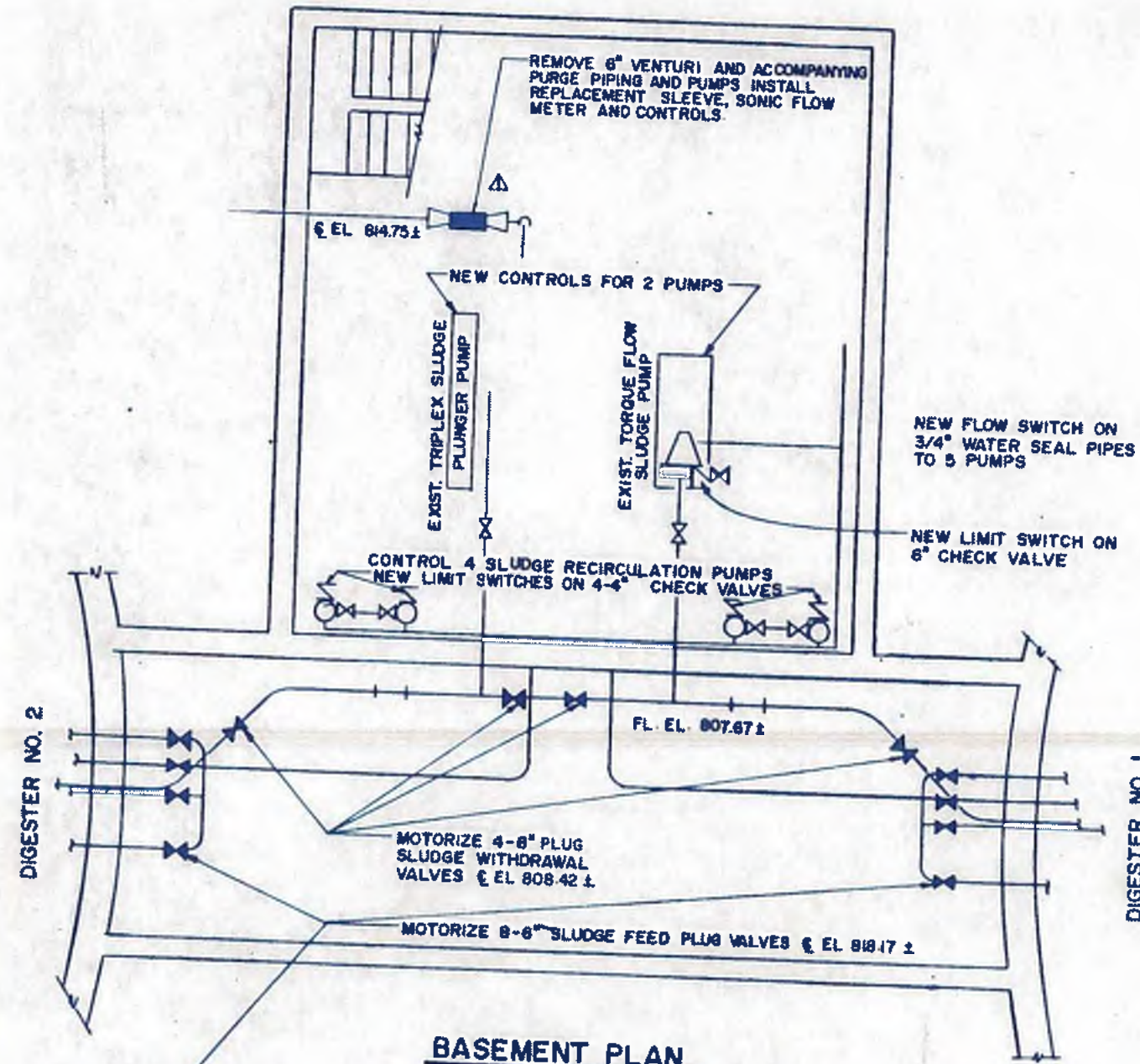
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LOT: [] DISTRICT: [] COUNTY: []
APPROVED: [] QUALITY: [] SHEET NO.: []

36



- NOTES:
1. ALL NEW PIPING CONNECTIONS TO THE EXISTING DIGESTER HEATERS SHALL BE AS PER MFR'S RECOMMENDATIONS.
 2. ALL NEW PIPING SHALL BE INSULATED AS PER SPECS.



ENTRANCE FLOOR PLAN
SCALE: 1/4" = 1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
DIGESTER CONTROL BUILDING NO. 1

ORGN	JSM	APPROVED
DRWN	WLB	
CHKD	DEH	SCALE AS NOTED

NO.	DATE	BY	DESCRIPTION	APP. NO.	PLACED
			SONIC METER ADDED		

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DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

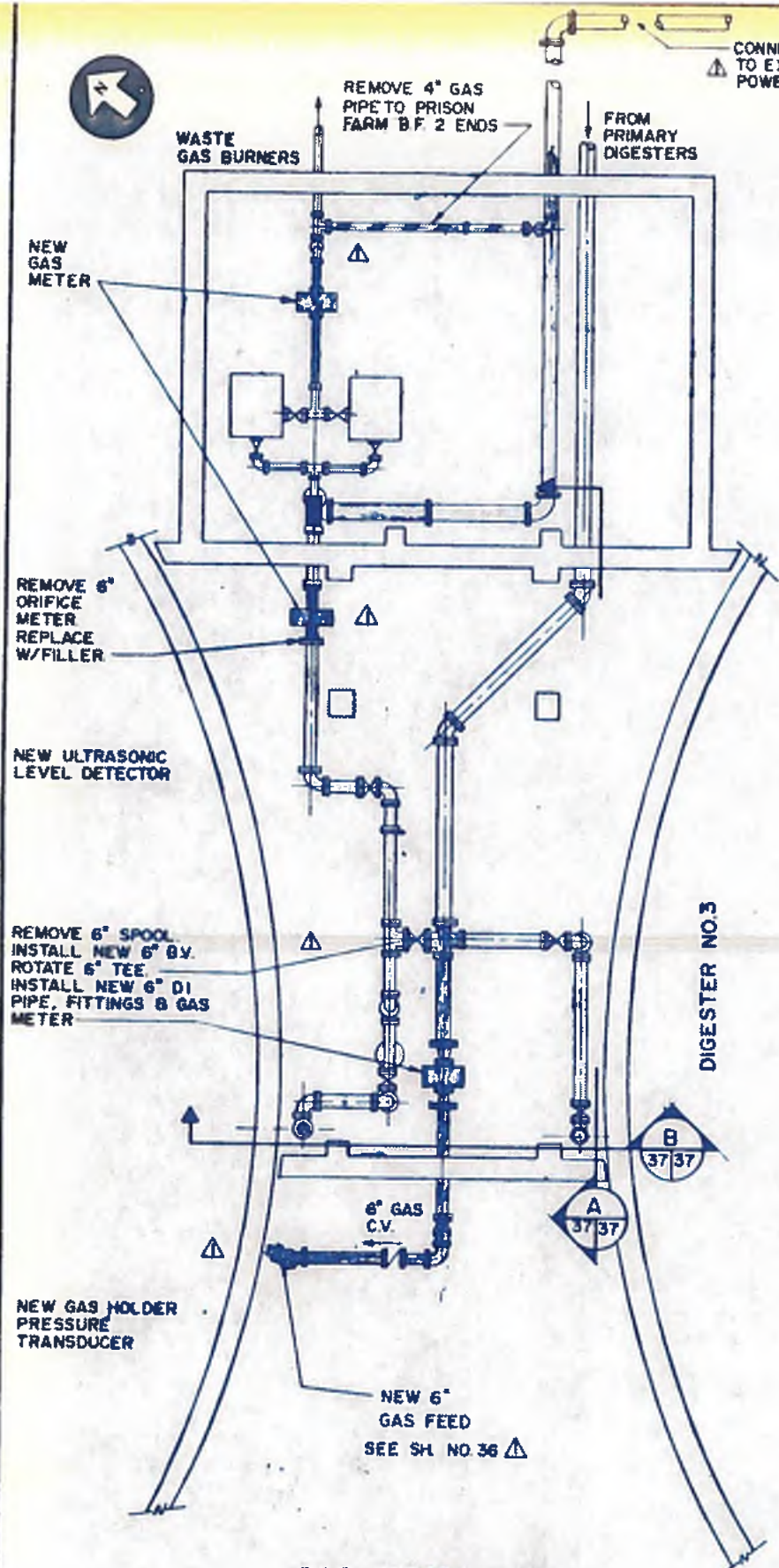
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LOT APPROVED

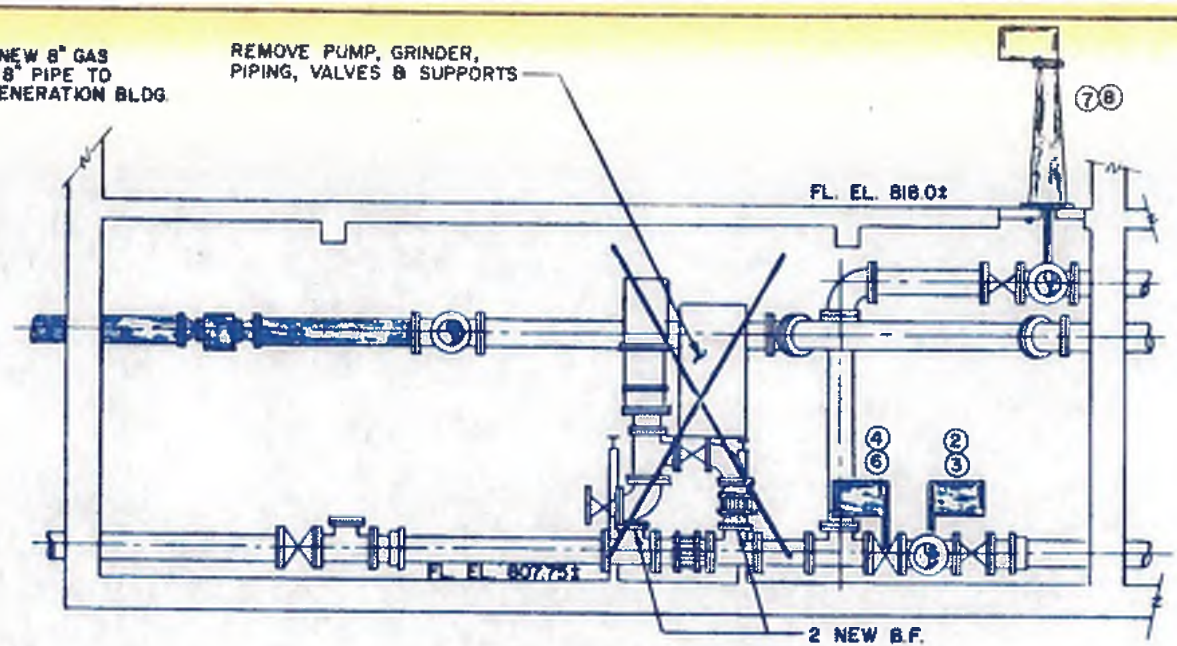
DISTRICT

COUNTY

SHEET NO. **36A**



GAS PIPING PLAN
SCALE: 1/4" = 1'-0"

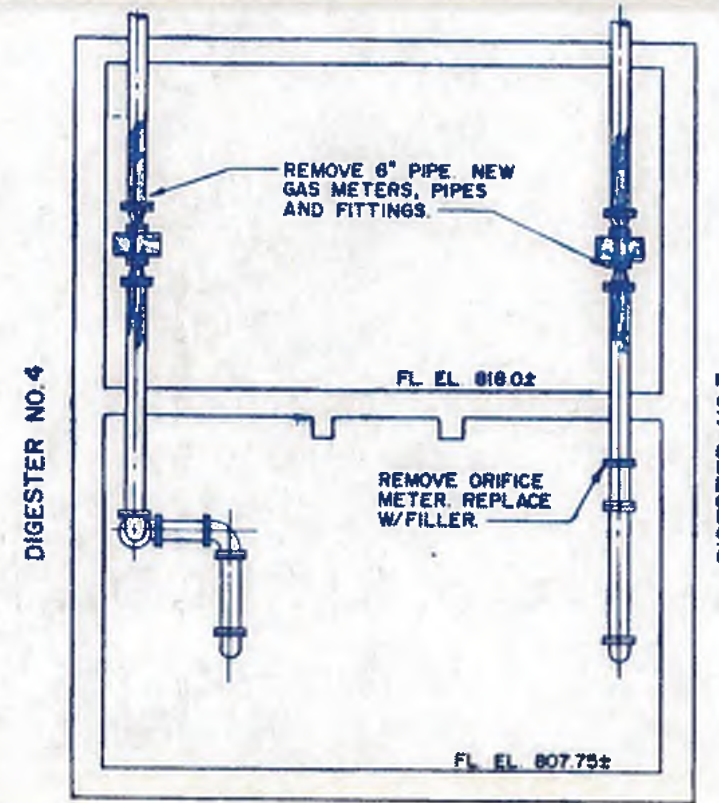


SECTION A
SCALE: 3/8" = 1'-0"

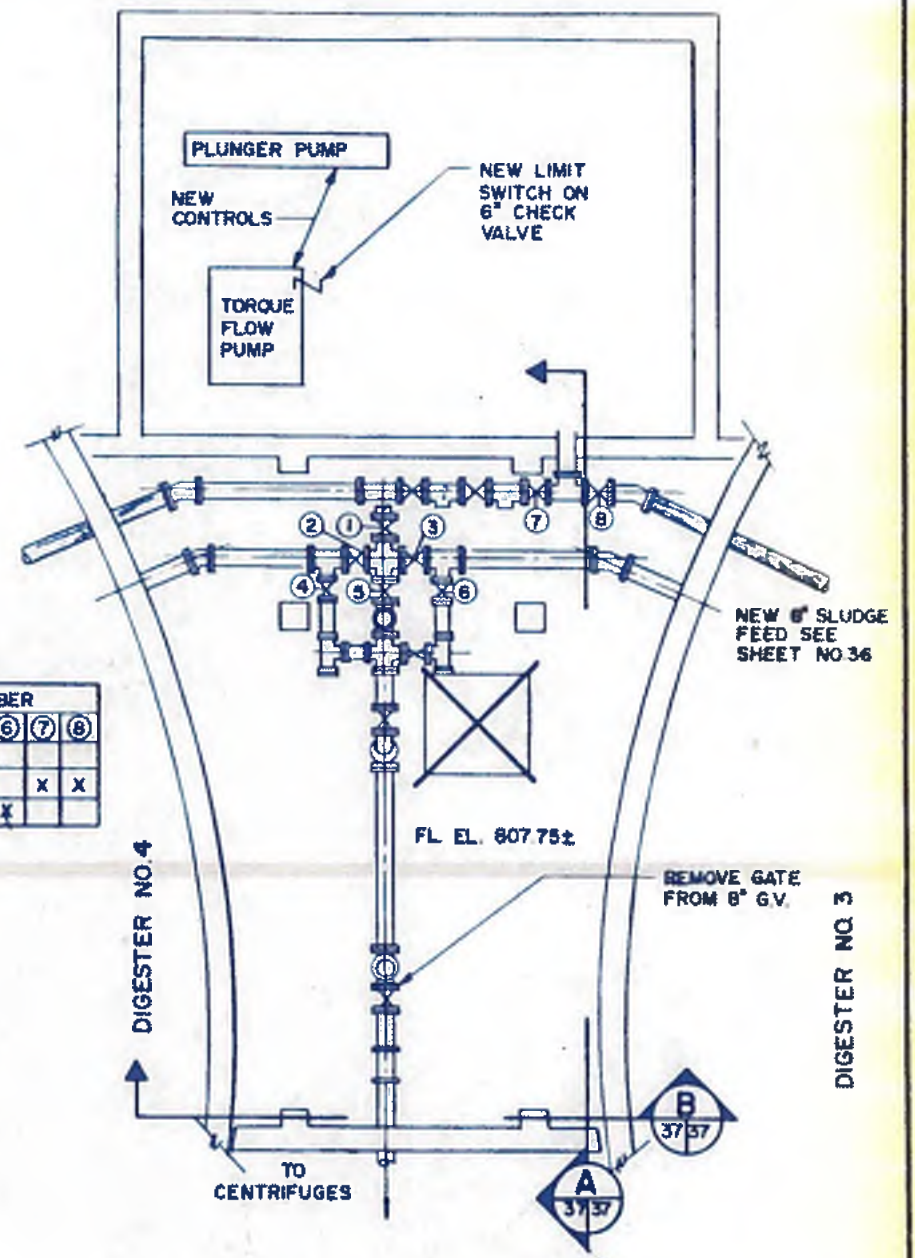
NOTE:
NEW THROUGH DIGESTER WALL
TEMPERATURE PROBES. (2 PLACES)

SLUDGE VALVE LIST

	VALVE NUMBER							
	1	2	3	4	5	6	7	8
REMOVE 8" GATE VALVE								
NEW 8" PLUG VALVE	X	X	X		X			
MOTORIZED W/VALVE STAND AND CONTROL ON VALVE				X			X	X



SECTION B
SCALE: 3/8" = 1'-0"



SLUDGE PIPING PLAN
SCALE: 1/4" = 1'-0"

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INTRENCHMENT CREEK PLANT MODIFICATIONS
DIGESTER CONTROL BUILDING NO. 2

NO.	DATE	BY	DESCRIPTION
1	6-1	USA	ADD GAS METER, DELETE COMPRESSORS, RELOCATE 8" GAS TO PGB, DELETE BLOWER CONTROLS, ADD NO. 3

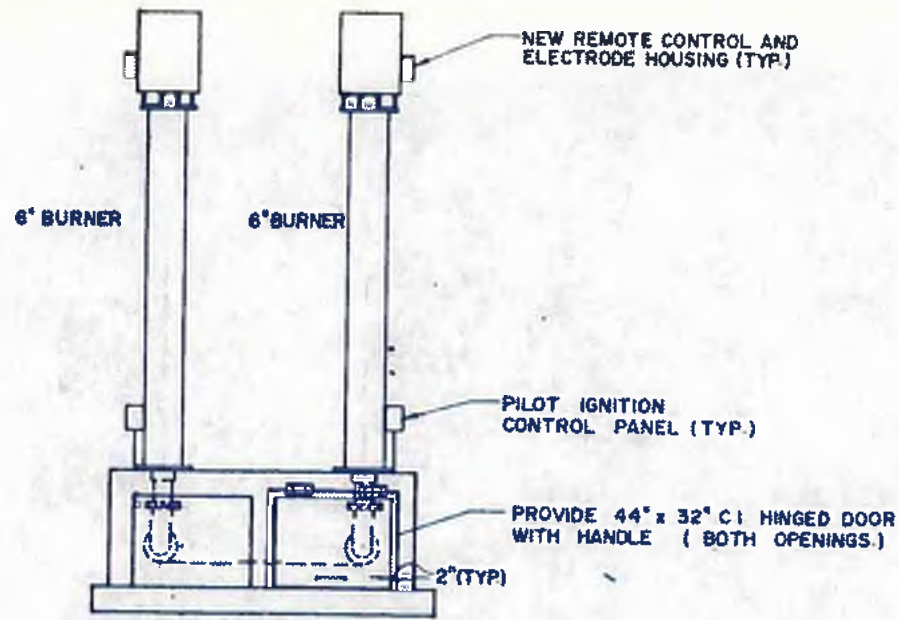


DESIGN: J.M. APPROVED
DRAWN: W.L.B.
CHECKED: D.E.H. SCALE: AS SHOWN DATE: MAY 10, 1982

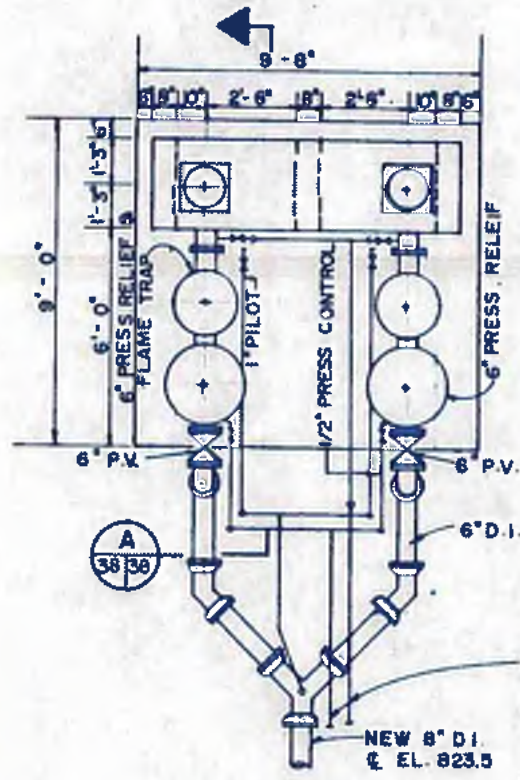
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LOT: APPROVED DISTRICT: COUNTY: SHEET NO. **37**

DRAWING NO. 4-P-31

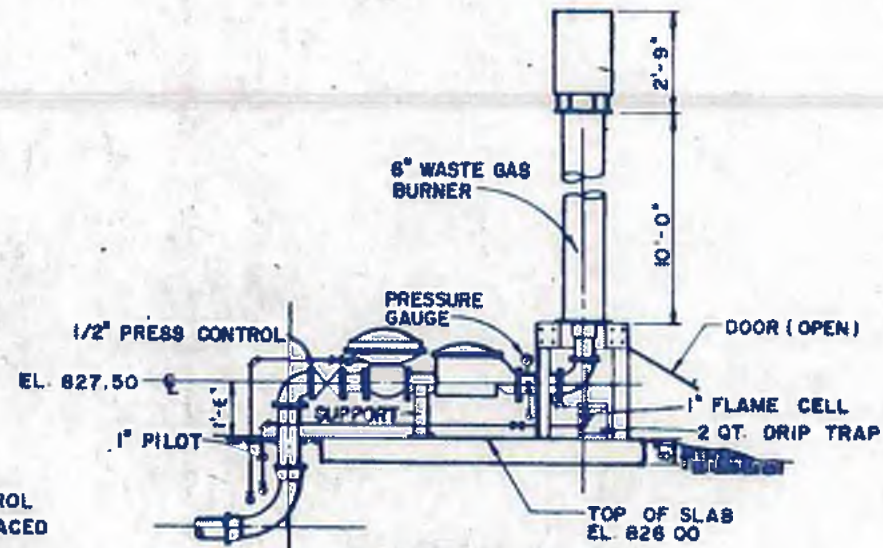


REAR ELEVATION
SCALE: 3/8" = 1'-0"



PLAN
SCALE: 3/8" = 1'-0"

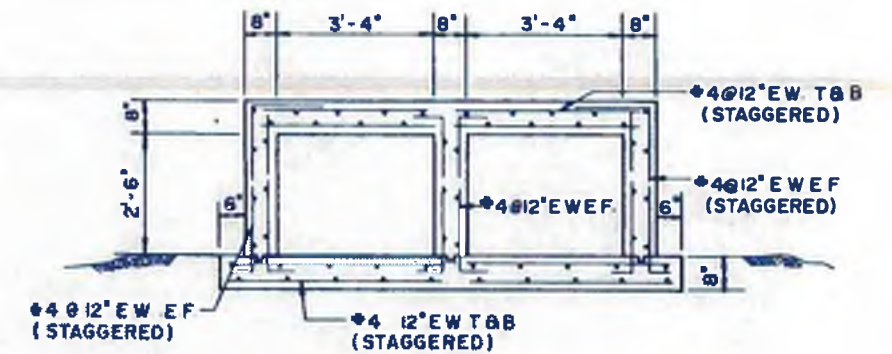
EXISTING 1/2" PRESSURE CONTROL AND GAUGE LINES TO BE REPLACED FROM BURNERS TO DIGESTER CONTROL BUILDING AND EXTENDED TO NEW BURNERS.



SECTION
SCALE: 3/8" = 1'-0"

NOTES

1. DEMOLISH EXISTING WASTE GAS BURNERS AFTER INSTALLING NEW WASTE GAS BURNERS.



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

NEW WASTE GAS BURNERS



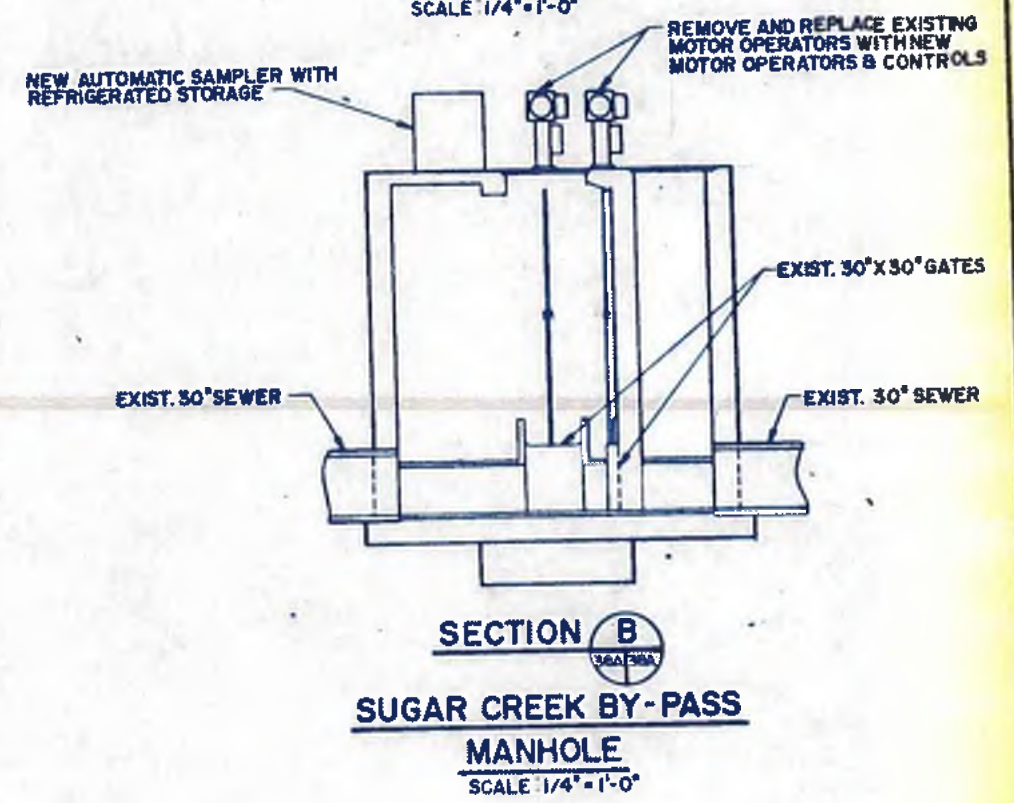
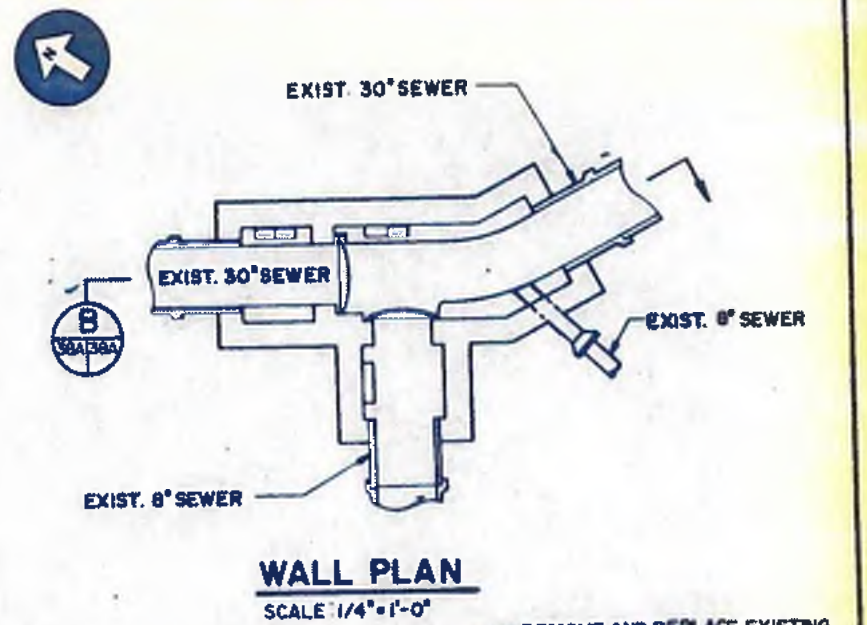
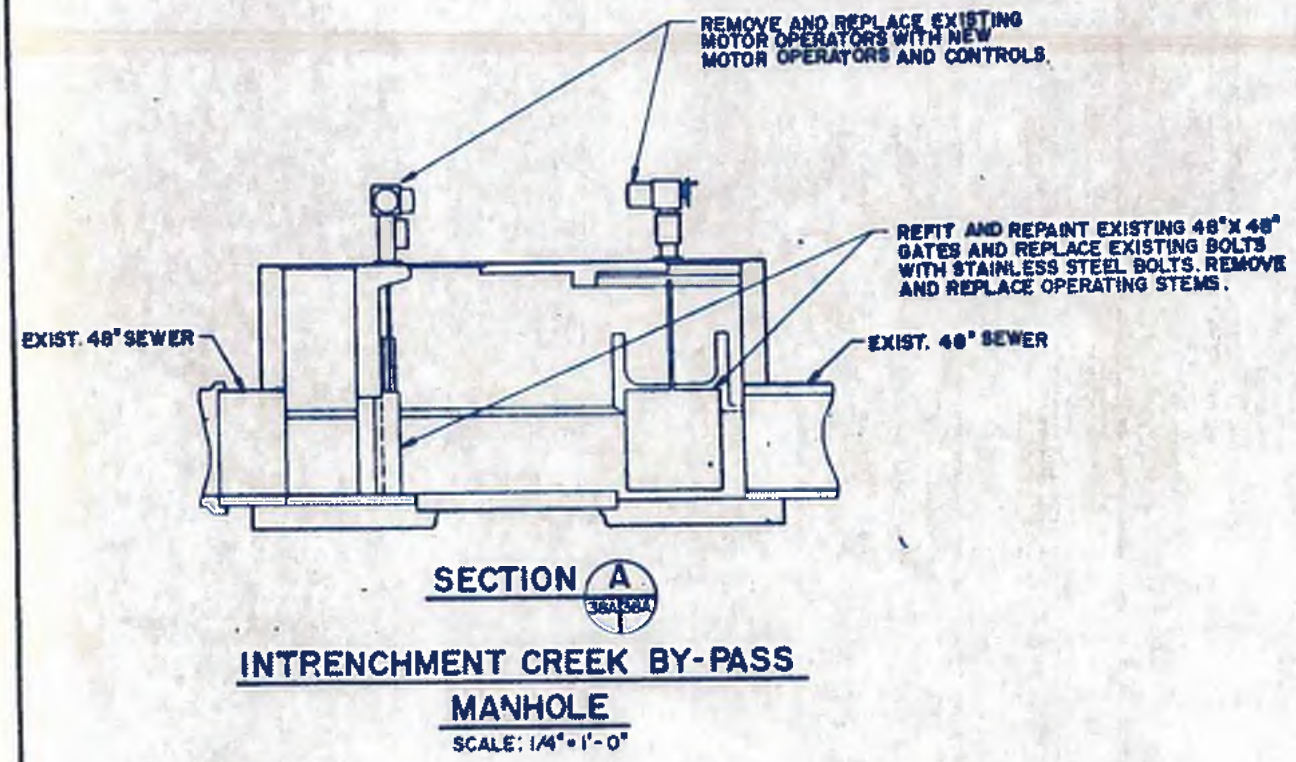
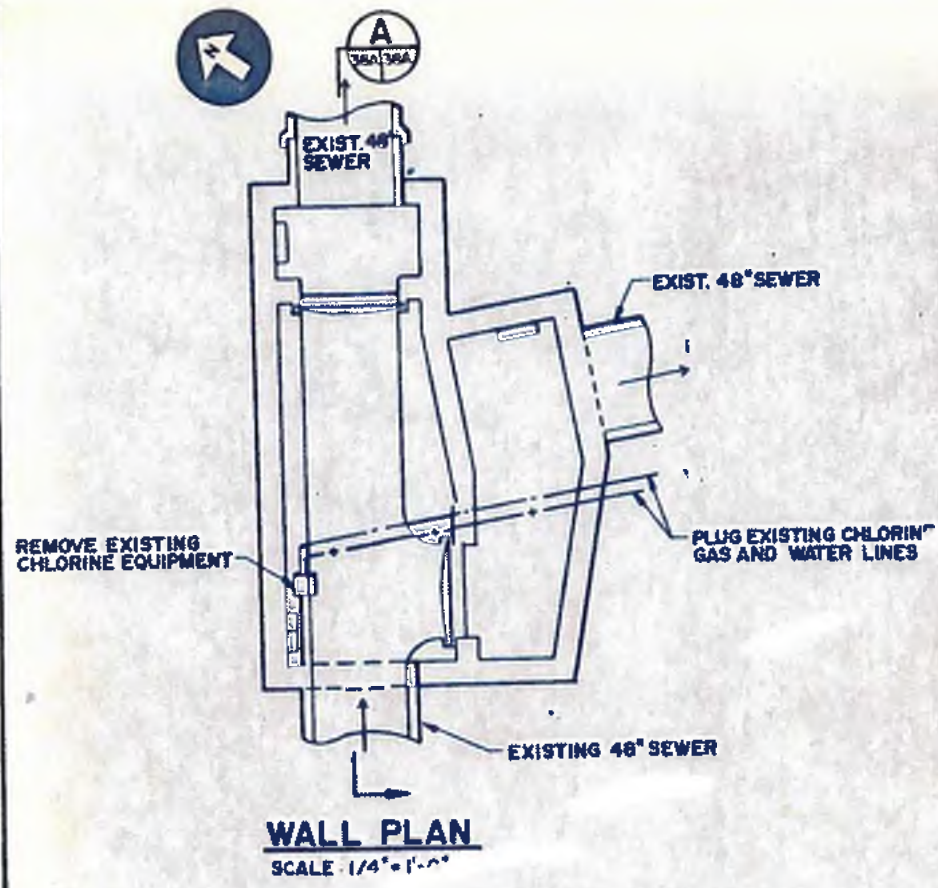
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INTRENCHMENT CREEK PLANT MODIFICATIONS
NEW WASTE GAS BURNERS



CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

DESIGN	CCS	APPROVED			
DRAWN	RJD				
CHECKED	BLS				
SCALE	AS SHOWN	DATE	MAY 10, 1982	DRAWING NO.	4-P-32

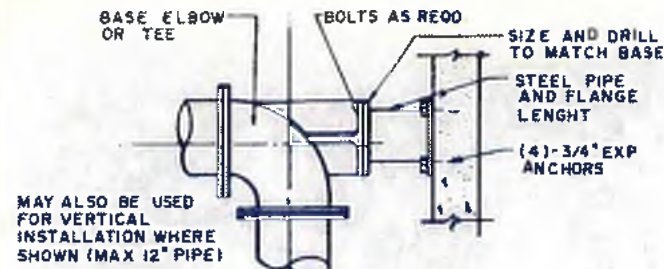


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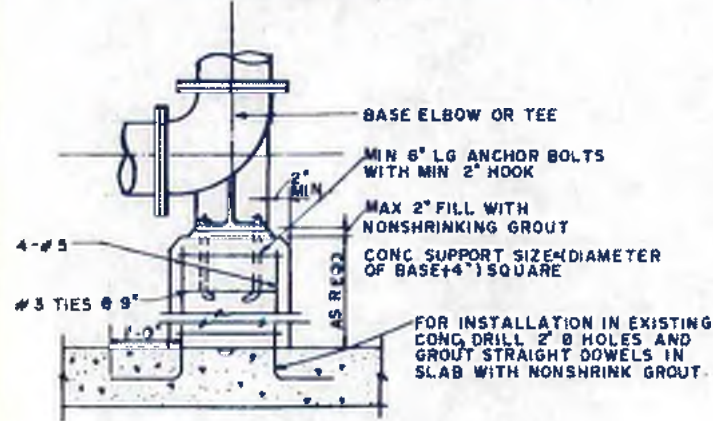
INTRENCHMENT CREEK PLANT MODIFICATIONS
BY-PASS MANHOLE ALTERATIONS

NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				
CITY OF ATLANTA				
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND LOT	DISTRICT	COUNTY	SHEET NO.	
APPROVED			38A	
CHKD DEH	SCALE AS SHOWN	DATE MAY 10, 1982	DRAWING NO. 4-P-32A	

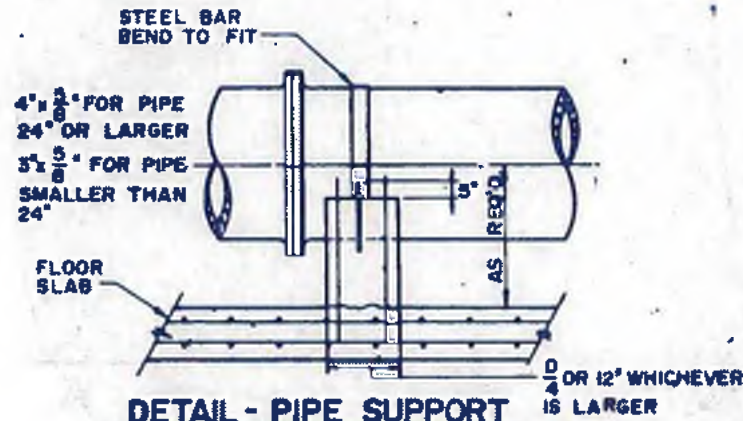
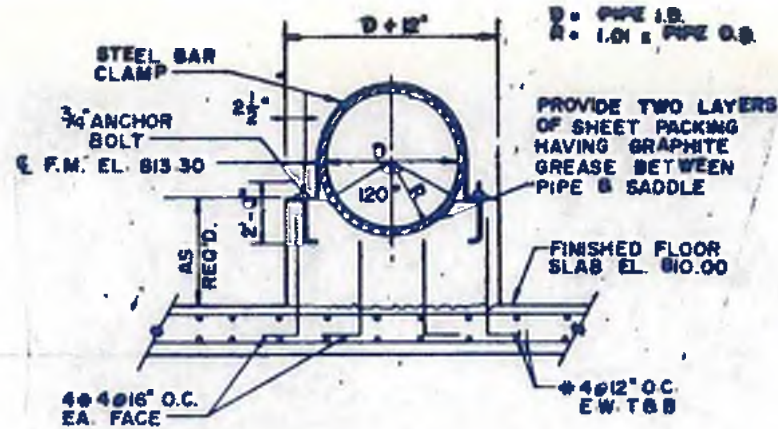
DWG: FR APPROVED
 DRAWN: NH
 CHKD: DEH



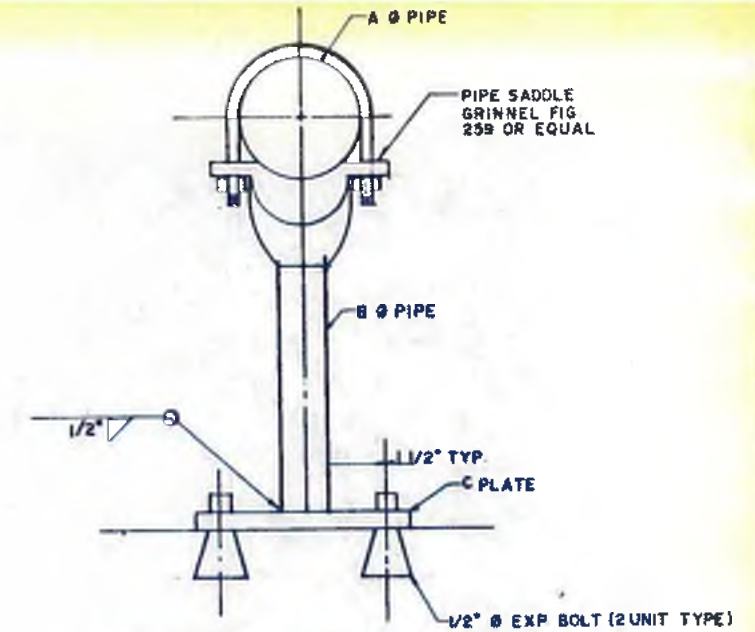
PIPE SUPPORT - TYPE 3
SCALE: N.T.S.



PIPE SUPPORT - TYPE 4
SCALE: N.T.S.

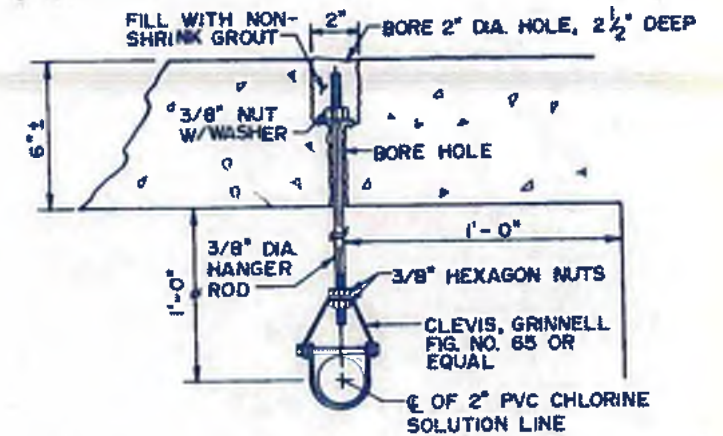


DETAIL - PIPE SUPPORT
SCALE: 1/2" = 1'-0" (TYPE 2)

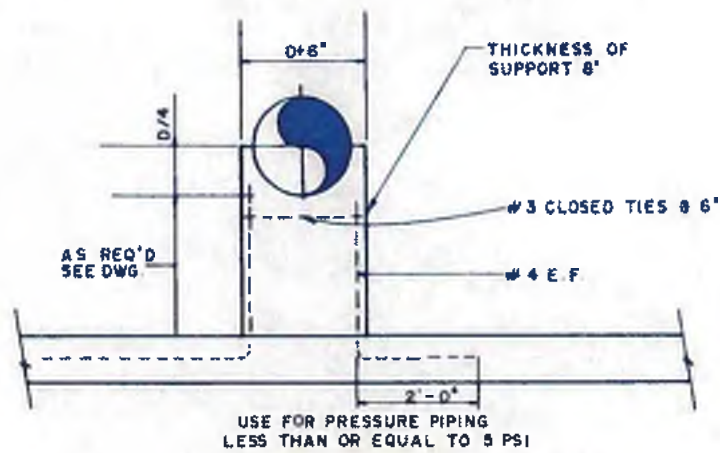


A PIPE	B PIPE	C PLATE
4" - 12"	3"	R. 1/4 X 9 X 9
14" - 18"	4"	R. 1/4 X 12 X 12
20" - 30"	6"	R. 3/8 X 14 X 14
36"	8"	R. 1/2 X 18 X 18

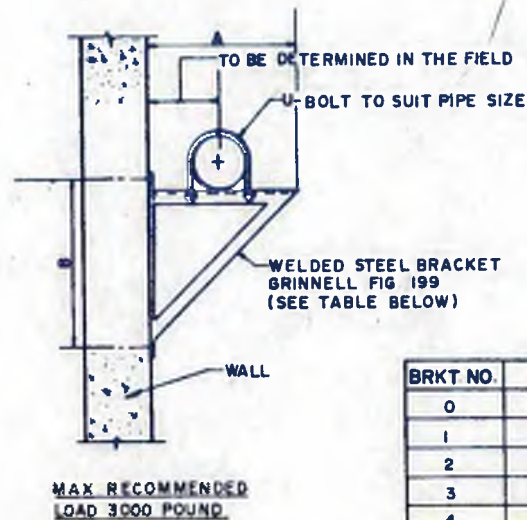
PIPE SUPPORT - TYPE 6
SCALE: N.T.S.



PIPE SUPPORT - TYPE 7
SCALE: N.T.S.



PIPE SUPPORT - TYPE 1
SCALE: N.T.S.



PIPE SUPPORT - TYPE 5
SCALE: N.T.S.

BRKT NO.	A	B
0	12"	15 1/4"
1	18"	21 3/8"
2	24"	27 1/2"
3	30"	33 1/4"
4	36"	39"
5	42"	48"

MAX RECOMMENDED LOAD 3000 POUND



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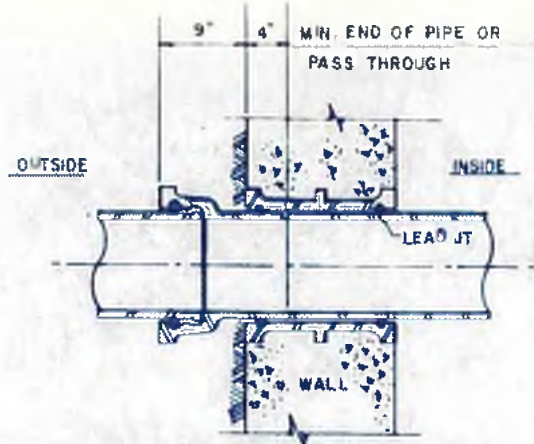
INTRENCHMENT CREEK PLANT MODIFICATIONS
PIPE SUPPORT DETAILS



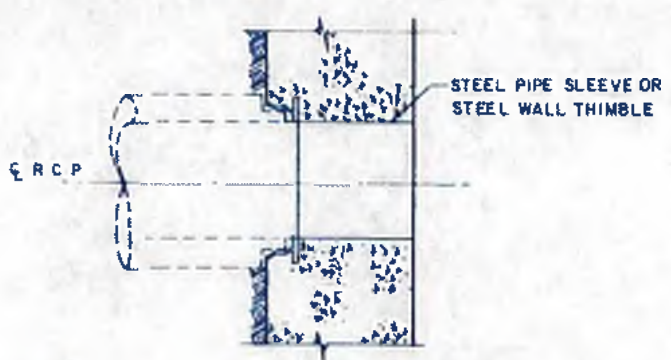
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

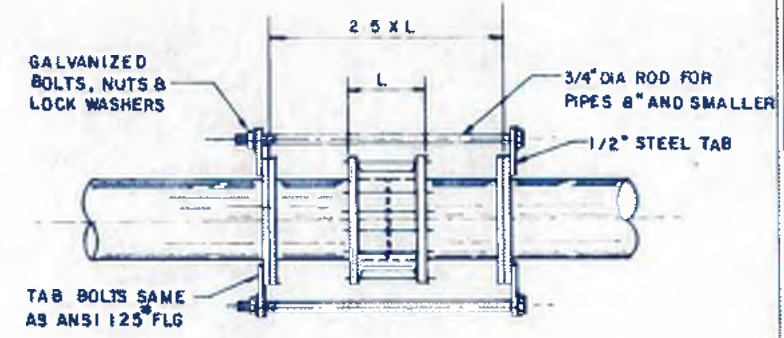
DESIGN	APPROVED	DATE	SCALE	DESCRIPTION	PLACES
DESIGN	BLS				
DESIGN	D.C.C.				
CHECK	BLS	MAY 10, 1982	AS SHOWN		



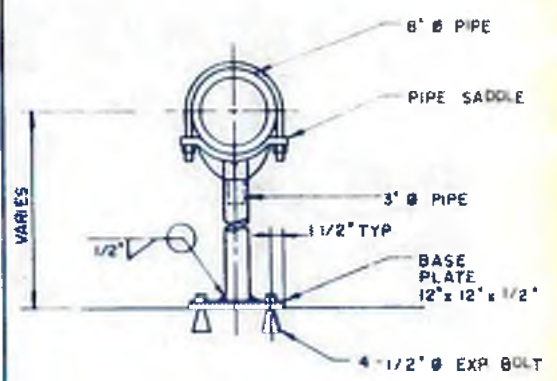
WALL SLEEVE



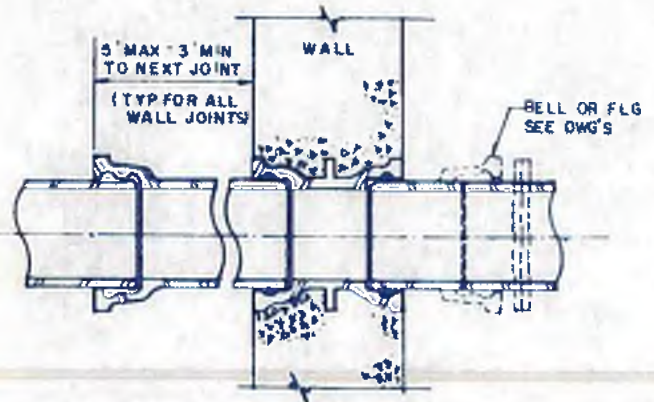
TYPICAL WALL JOINT DETAIL
(BELL WALL FITTING FOR CONC PIPE)



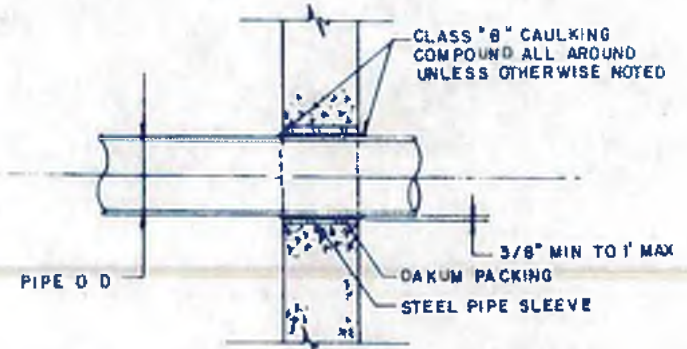
HARNESSED DRESSER COUPLING DETAILS



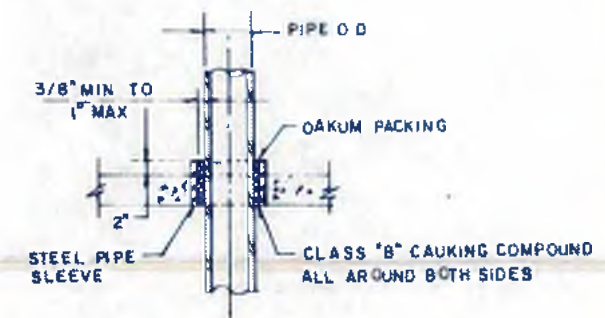
PIPE SUPPORT DETAIL
SCALE N.T.S.



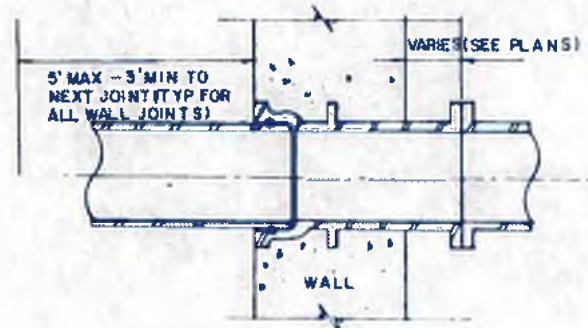
WALL CASTING LEAD JOINT (NIC)



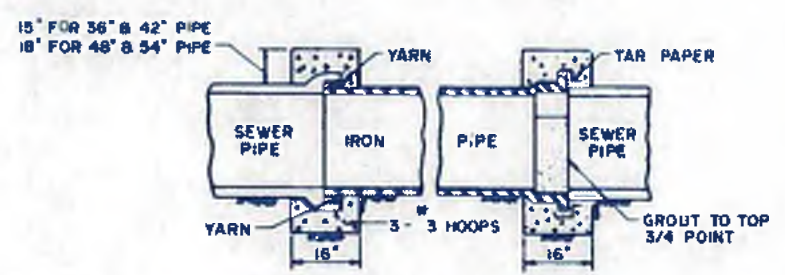
PIPES THROUGH INTERIOR WALLS



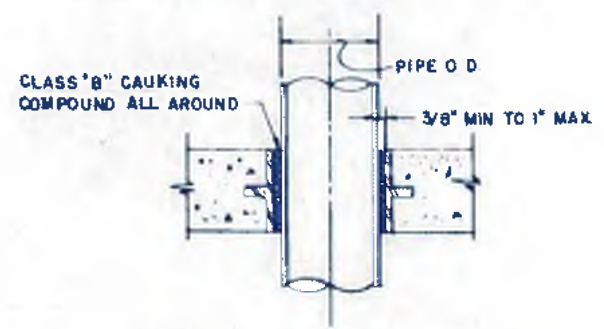
PIPES THROUGH SLABS
(EXCEPT BASE SLABS)



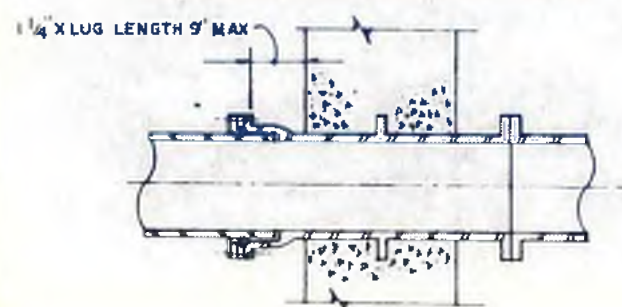
WALL CASTING LOK TYTON TYPE (NIC)



CONCRETE COLLAR DETAIL
N.T.S.



PIPE SLEEVE THRU FLOOR SLAB
(FOR LESS THAN 6")



WALL CASTING M. J. LOCK TYPE (NIC)

NOTES:
1 THIS DETAIL FOR DIGESTER FEED LINE SUPPORTS ONLY

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	

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INTRINCHMENT CREEK PLANT MODIFICATIONS

MISCELLANEOUS DETAILS

DATE: CCS APPROVED
DRAWN: WC
CHECKED: CCS

SCALE: N.T.S. DATE: MAY 10, 1982

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND DISTRICT: DISTRICT: COUNTY:

APPROVED: SHEET NO: **40**

















DRAWING NO: 4-P-54



ABBREVIATIONS

A-E	Aluminum Extrusion	CI	Cast Iron	HPT	High Point	PVMT	Pavement	W/W	Welded Wire Fabric
AB	Anchor Bolt	CTR	Center	HTG	Heating	QT	Quarry Tile	W/F	2" Metal Furring
ARRIV	Arrive	Q	Depth	HTR	Heater	R	Riser	C/F	2" Metal Furring
AC	American Concrete Institute	DBL	Double	HYD	Hydrant	RBR	Rubber		
ACS	Access	DEFL	Deflection	ID	Inside Diameter	RCVU	Receiving		
AC T	Acoustic Tile	DEM	Demolition	IN	Inch	REC	Recess		
ADD	Additional	DEPT	Department	INCL	Inclusive	REINF	Reinforce		
ADM	Adhesive	DET	Detail	INSUL	Insulation	REU	Required		
ADP	Adjustment	Ø	Diameter	INT M	Intermediate	REV	Revised		
ALMN	Aluminum	DIAU	Ring Size	INT R	Interior	RF	Rip File		
AFF	Above Finished Floor	DM	Dimension	INCL	Inclusive	RFG	Roofing		
AGOR	Aggregate	DR	Drain	INCL	Inclusive	RL	Roof Leader		
AHR	Anchor	OK	OK	INT M	Intermediate	RM	Room		
ASC	American Institute of Steel Construction	DEM	Demolition	INT R	Interior	RND	Round		
AL	Aluminum	DN	Down	INT M	Intermediate	SCT	Structural Clay Tile		
ALT	Alternate	DP	Damp Proofing	INT R	Interior	SCU	Scupper		
AP	Access Panel	DR	Door	INT M	Intermediate	SCHED	Schedule		
APPROX	Approximate	DS	Downspout	INT R	Interior	SD	Showers Drain		
ARCH	Architectural	DT	Drain Tile	INT M	Intermediate	SECT	Section		
ASB	Asbestos	DUP	Duplicate	INT R	Interior	SGT	Structural Glazed Tile		
ASPH	Asphalt	DWG	Drawing	INT M	Intermediate	SHT	Sheet		
AT	Asphalt Tile	DWL	Dowel	INT R	Interior	SHT MTL	Sheet Metal		
P	As	EA	Each	INT M	Intermediate	SM	Similar		
AUTO	Automatic	EJ	Each Face	INT R	Interior	SK	Sketch		
AUX	Auxiliary	EJ	Expansion Joint	INT M	Intermediate	SLP	Slope		
AV	Air Vent	EL	Elevation	INT R	Interior	SP	Space		
VS	Vertical	ELEC	Electrical	INT M	Intermediate	SPEC	Specification		
B TO B	Back to Back	EMER	Emergency	INT R	Interior	SPRT	Support		
BD	Build	ENGR	Engineer	INT M	Intermediate	SQ	Square		
BF	Bottom of Footing	ENTR	Entrance	INT R	Interior	SST	Stainless Steel		
BS	Bottom of Beam	EW	Electric Wire	INT M	Intermediate	ST	Street		
BIB	Bottom of Concrete Beam	EXC	Excavate	INT R	Interior	STD	Standard		
BIT	Bituminous	EXH	Exhibit	INT M	Intermediate	STIF	Stiffener		
L	Building Line, Base Line	EXP	Exposed	INT R	Interior	STL	Steel		
BLOG	Building	EXP LG	Exposed Ceiling	INT M	Intermediate	STOR	Storage		
BLH	Blocking	EXPN	Expansion	INT R	Interior	STR	Structural		
BLW	Below	EXIST	Existing	INT M	Intermediate	SURF	Surface		
BM	Beam	EXT	Exterior	INT R	Interior	SUSP	Suspended		
BOT	Bottom	F	Furring	INT M	Intermediate	SYMM	Symmetrical		
BP	Base Plate	F TO F	Face to Face	INT R	Interior	T/B	Top & Bottom		
BR	Brick	FD	Floor Drain	INT M	Intermediate	T/B G	Tongue and Groove		
BRK	Break	FDN	Foundation	INT R	Interior	TEL	Telephone		
B/T	Bisect	FHC	Fire House Cabinet	INT M	Intermediate	TER	Terrace		
Q/C	Center to Center	FIG	Figure	INT R	Interior	THK	Thickness		
B/G	Sub B Gutter	FIN	Finish	INT M	Intermediate	TOP	Top of Finishing		
CAB	Cabinet	FL	Floor	INT R	Interior	TOT	Total		
CAP	Capacity	FLG	Flooring	INT M	Intermediate	TR	Trails		
CEM	Cement	FPRF	Fire Proof	INT R	Interior	TRTD	Treated		
CEM PL	Cement Plaster	FR	Frame	INT M	Intermediate	TS	Top of Steel		
CF	Cast Iron	FT	Foot	INT R	Interior	TW	Top of Wall		
CIP	Cast in Place	FTG	Footing	INT M	Intermediate	UG	Underground		
CIRC	Circular	FUT	Future	INT R	Interior	ULT	Ultimate		
CJ	Construction Joint	GA	Gage	INT M	Intermediate	UNRF	Uniform		
S	Center Line	GAL	Gallon	INT R	Interior	UTIL	Utility		
CLG	Ceiling	GALV	Galvanized	INT M	Intermediate	V	Vinyl		
CJ	Control Joint	GDW	Gypsum Drywall	INT R	Interior	VAT	Vinyl Asbestos Tile		
CLQ	Clear	GL	Glass	INT M	Intermediate	VENT	Ventilate		
CUMP	Compressor	GNB	Ground	INT R	Interior	VERT	Vertical		
CMU	Concrete Masonry Units	G/T	Government	INT M	Intermediate	VWC	Vinyl Wall Covering		
COL	Column	GR	Grade	INT R	Interior	W	Wall		
COMB	Combination	GRAN	Granite	INT M	Intermediate	WD	Wood		
CONC	Concrete	GRL	Grille	INT R	Interior	W	Window		
CONN	Connect, Connection	GYP	Gypsum	INT M	Intermediate	WI	Wrought Iron		
CONSTR	Construction	H	Match	INT R	Interior	W/P	Waterproofing		
CONT	Continuous, Continuation	HB	Howe B & B	INT M	Intermediate	WT	Weight		
CONTR	Contract, Contractor	HDW	Hardware	INT R	Interior				
COR	Corner	HGT	Height	INT M	Intermediate				
COV	Cover	HM	Hot Rolled Metal	INT R	Interior				
		HORZ	Horizontal	INT M	Intermediate				

MATERIAL SYMBOLS

	EXIST TO BE REMOVED
	EXIST TO REMAIN
	EARTH
	GRAVEL
	CONCRETE
	PRECAST CONCRETE
	CONCRETE MASONRY UNITS
	STRUCTURAL GLAZED TILE UNITS
	STRUCTURAL CLAY TILE UNITS
	BRICK
	ROUGH WOOD
	FINISHED WOOD
	STEEL
	METAL STUDS & GYPSUM DRYWALL
	INSULATION
	CONCRETE MASONRY UNITS 2 HOUR RATED FIREWALL



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INTREACHMENT CREEK PLANT MODIFICATION
ARCHITECTURAL DRAWINGS
SYMBOLS, LEGEND, ABBREVIATIONS

DATE: MAY 10, 1982

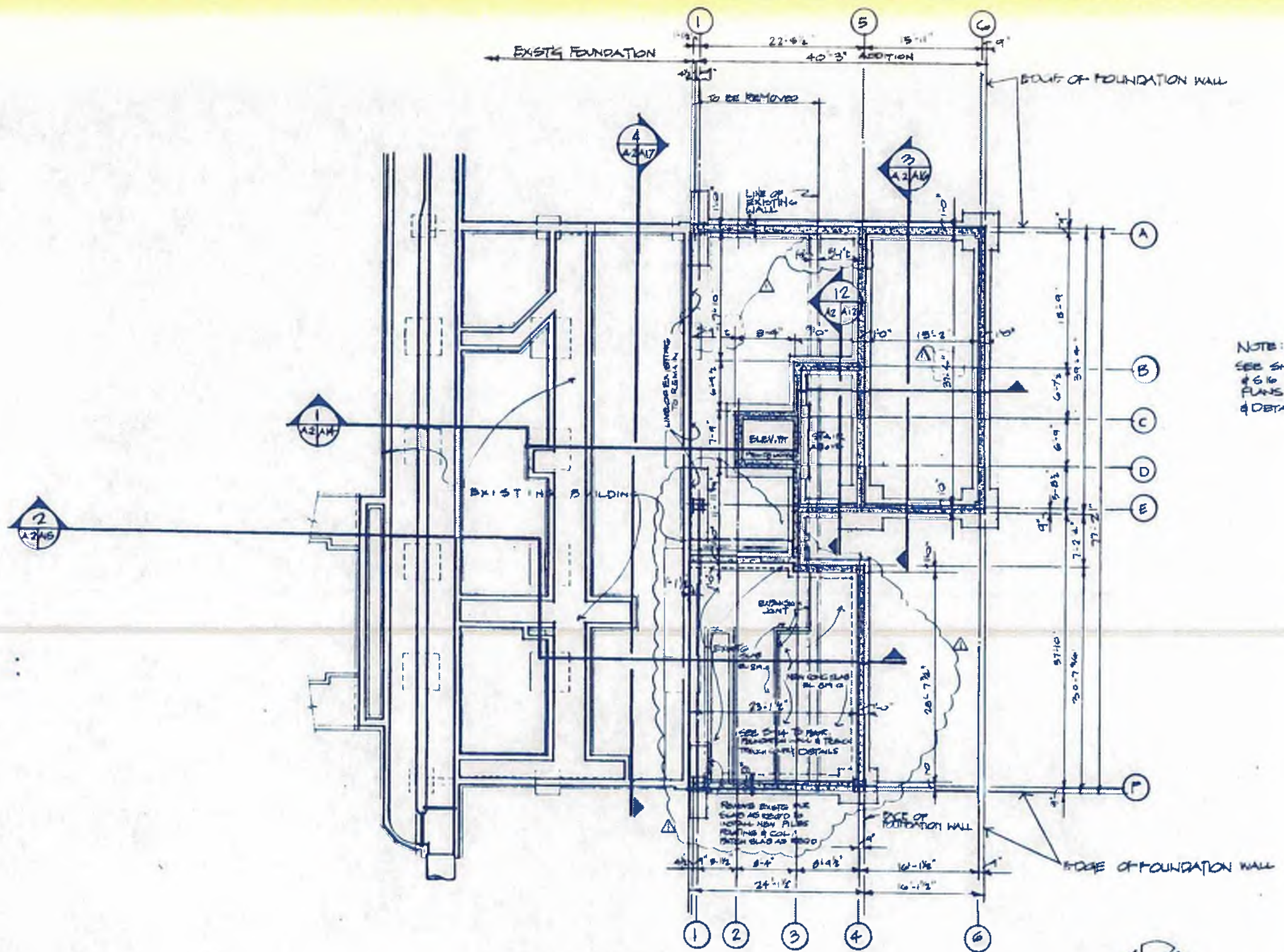
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

NO.	DATE	BY	DESCRIPTION	PLACE

LAND LOT: _____ DISTRICT: _____ COUNTY: _____ SHEET NO: 41

44002/B



NOTE:
SEE SHEETS S-14, S-15
& S-16 FOR STRUCTURAL
PLANS, SECTIONS
& DETAILS

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



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atlanta, georgia

INTRINCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
FOUNDATION PLAN

DATE	BY	APPROVED
10-10-82	JF	JF
CHECKED	NGA	SCALE 1/8" = 1'-0"
		DATE 10-10-82

NO.	DATE	BY	DESCRIPTION	APPROVED	PLACES
1			ADDED PUMP RM PLAN & CONNECTION		

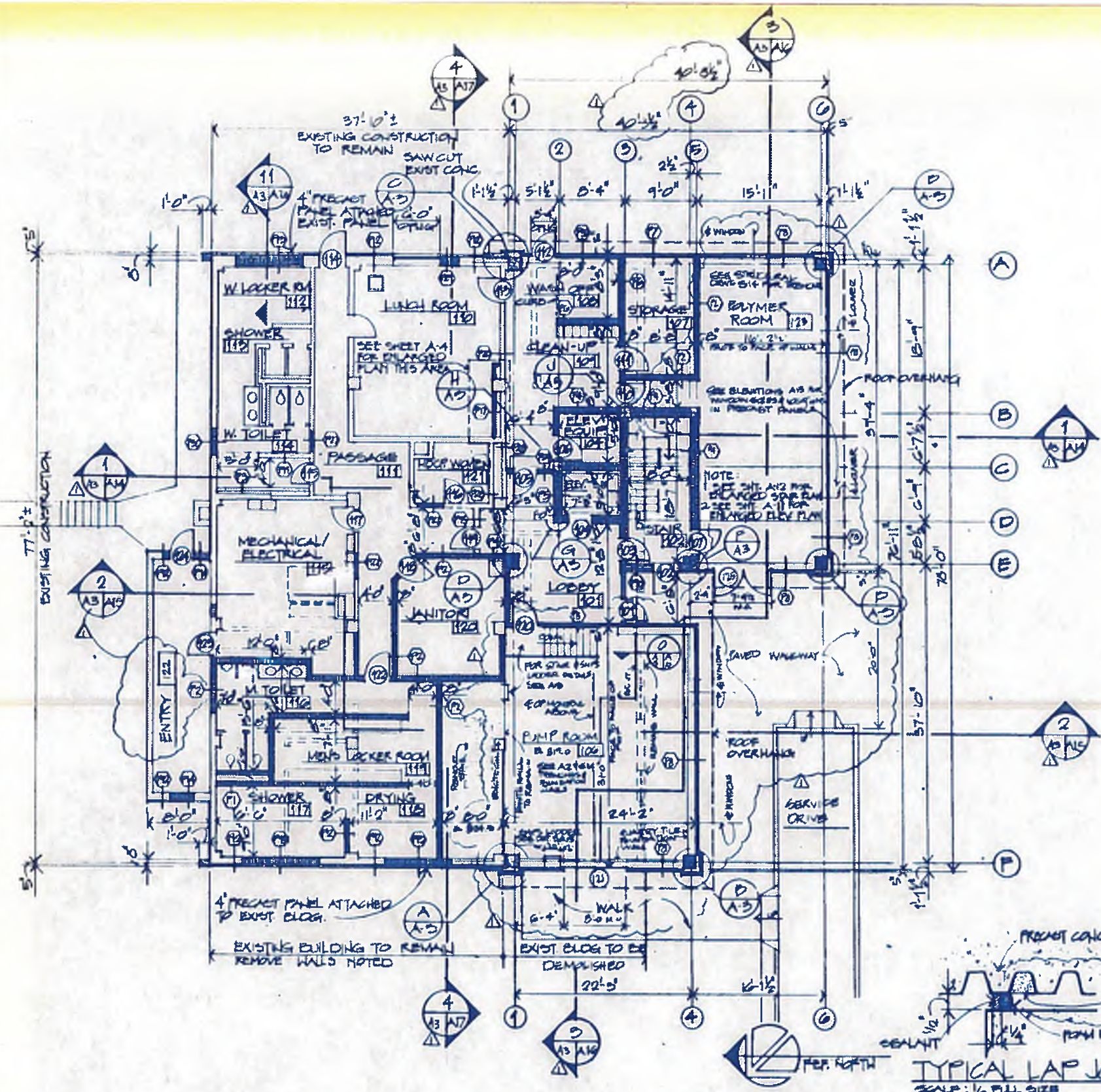
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY

APPROVED: _____ SHEET NO. **42**

DRAWING NO. 4-A-2

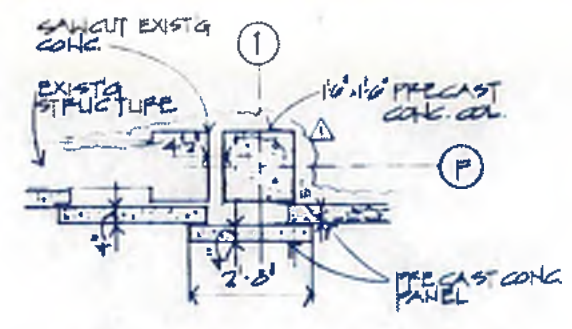


FIRST FLOOR PLAN
SCALE: 1/8" = 1'-0"

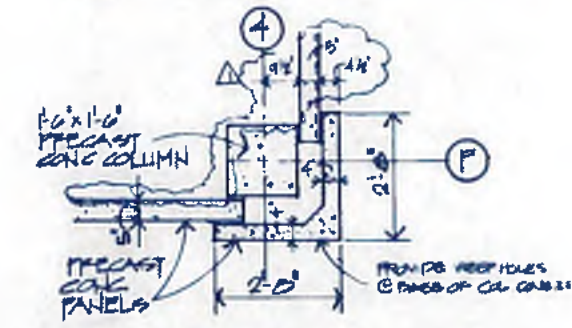
FIN. FLR. IN 824-S EXCEPT WHERE NOTED DIFFERENTLY

GENERAL NOTE

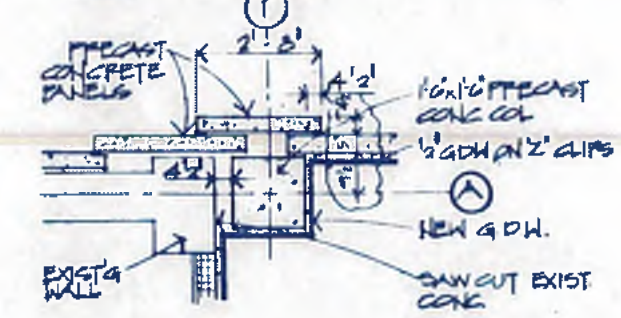
① ALL DIMENSIONS FOR MASONRY PARTITIONS ARE TO FACE OF MASONRY. DIMENSIONS FOR METAL STUD AND GYPSUM DRYWALL ARE INDICATED WITH OVERALL NOMINAL PARTITION WIDTH. SYMBOL (D) DENOTES PARTITION TYPE; REFER TO SHEET A-25 FOR PARTITION TYPES AND DETAILS; FOR FINISHES REQUIRED OVER MASONRY AND DETAILS OF PARTITION CONSTRUCTION.



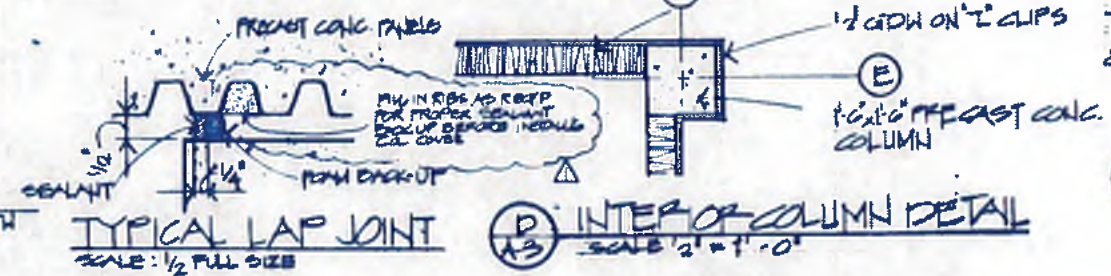
A EXTERIOR COLUMN DETAIL
SCALE: 1/2" = 1'-0"



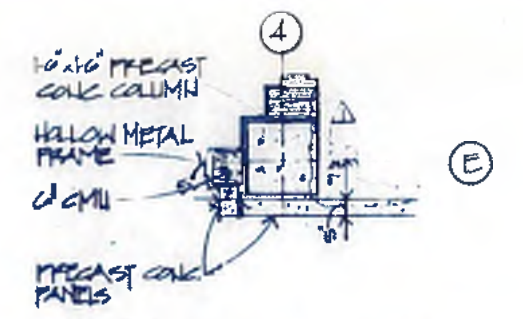
B EXTERIOR COLUMN DETAIL
SCALE: 1/2" = 1'-0"



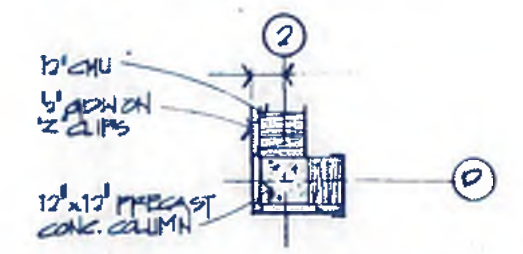
C EXTERIOR COLUMN DETAIL
SCALE: 1/2" = 1'-0"



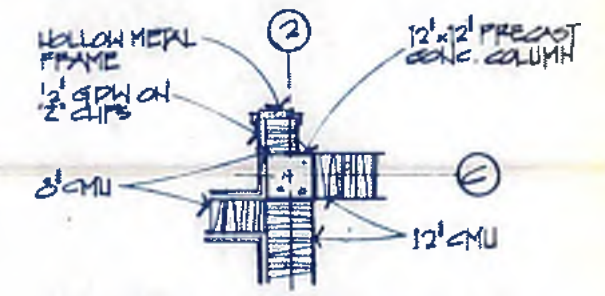
D INTERIOR COLUMN DETAIL
SCALE: 1/2" = 1'-0"



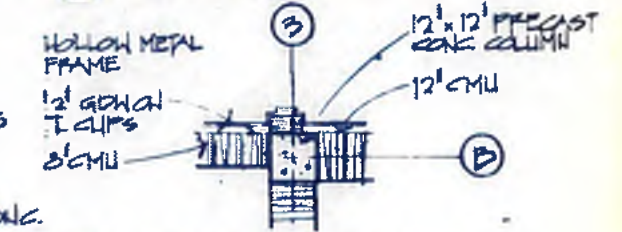
E INTERIOR COLUMN DETAIL
SCALE: 1/2" = 1'-0"



F INTERIOR COLUMN DETAIL
SCALE: 1/2" = 1'-0"



G INTERIOR COLUMN DETAIL
SCALE: 1/2" = 1'-0"



H INTERIOR COLUMN DETAIL
SCALE: 1/2" = 1'-0"

NO	DATE	BY	GENERAL REVISIONS	DESCRIPTION	APPROVED	PLACES

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atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
FIRST FLOOR PLAN & DETAILS

DRWN: JF APPROVED: MAM
CHKD: JWF SCALE: 1/8" = 1'-0" DATE: 5-10-82

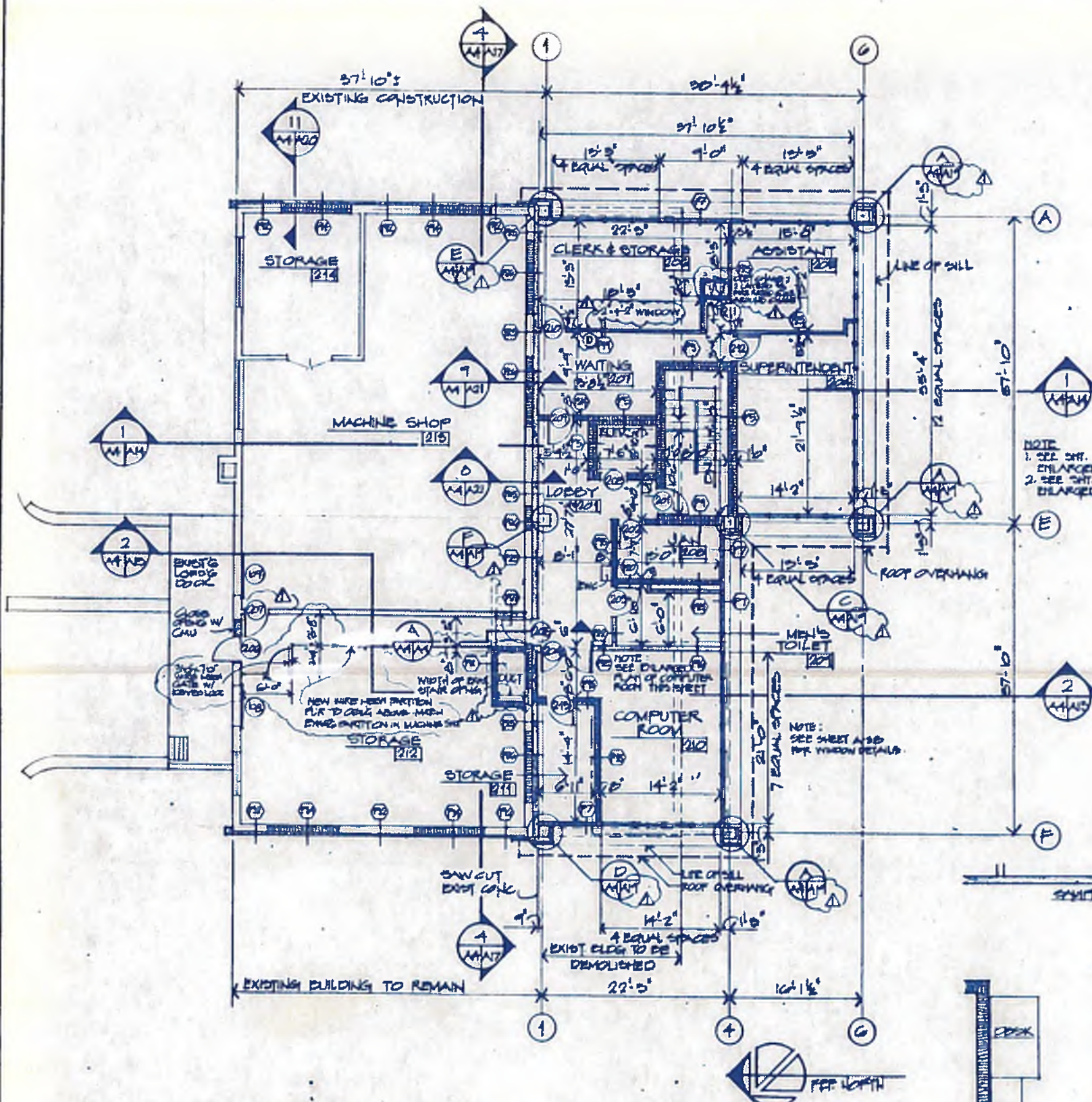
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: APPROVED: DISTRICT: COUNTY: SHEET NO. **43**

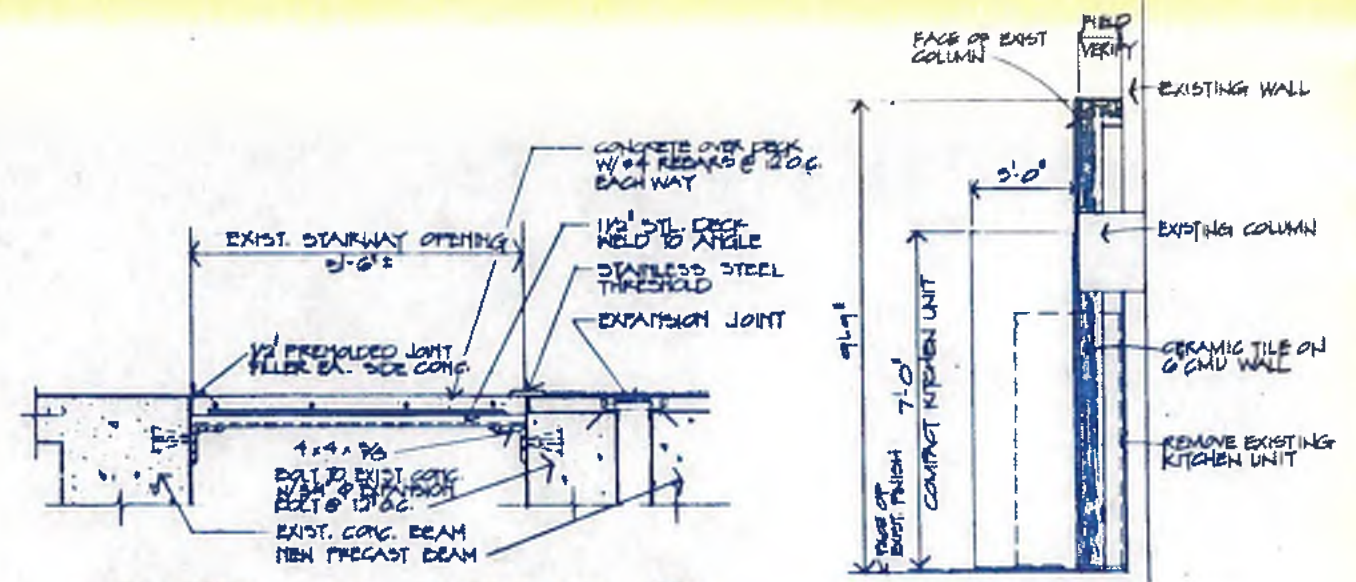
DRAWING NO: 4-A-3





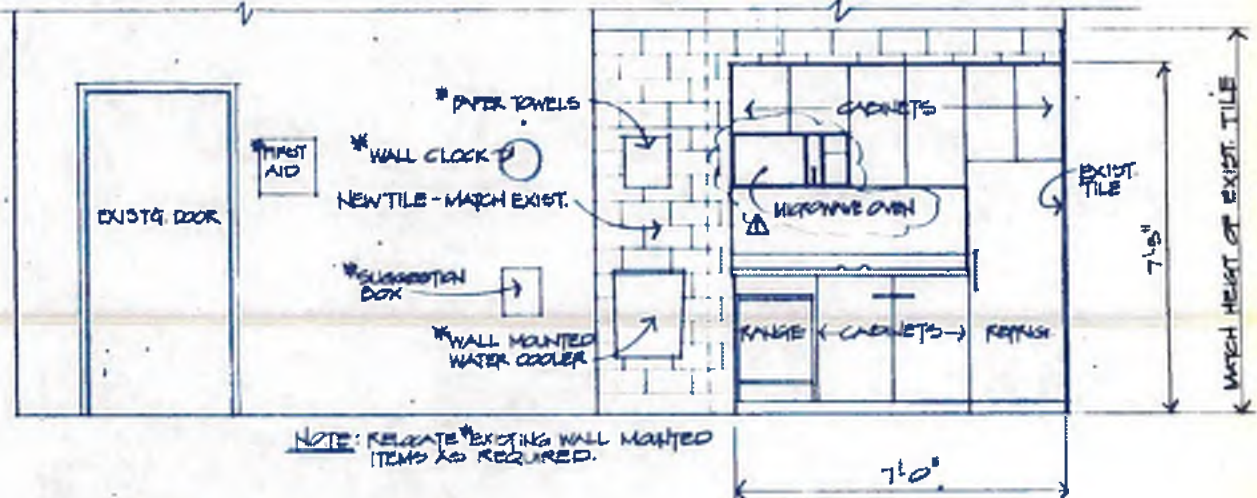
SECOND FLOOR PLAN
SCALE: 1/8" = 1'-0"

GENERAL NOTE
ALL DIMENSIONS FOR MASONRY PARTITIONS ARE TO FACE OF MASONRY. DIMENSIONS FOR METAL STUD AND GYPSUM DRYWALL ARE INDICATED WITH OVERALL NOMINAL PARTITION WIDTH. SYMBOL (C) DENOTES PARTITION TYPE. REFER TO SHEET A-33 FOR PARTITION TYPES AND DETAILS, FOR FINISHES REQUIRED OVER MASONRY AND DETAILS OF PARTITION CONSTRUCTION.

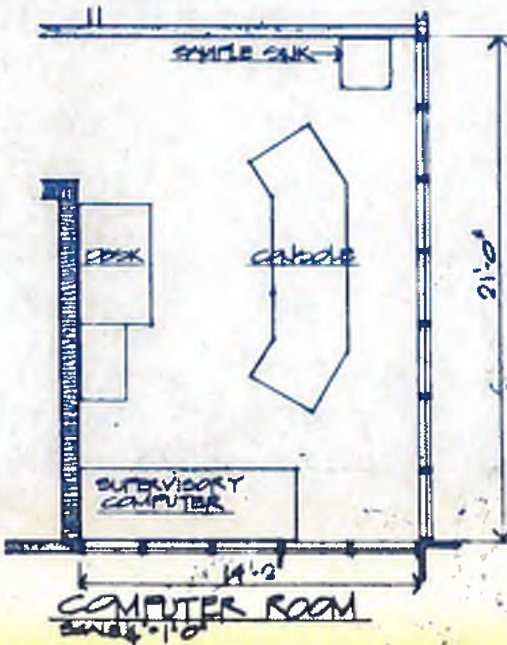


CONCRETE SLAB @ STAIRWAY
SCALE: 1" = 1'-0"

PARTIAL FLOOR PLAN - LUNCH ROOM
SCALE: 1/8" = 1'-0"



ELEVATION - LUNCH ROOM
SCALE: 1/8" = 1'-0"



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



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INTRINCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
SECOND FLOOR PLAN & DETAILS

DATE: 5-10-82
SCALE: 1/8" = 1'-0"

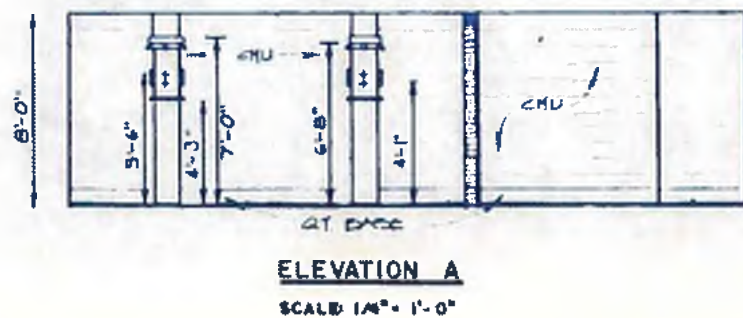
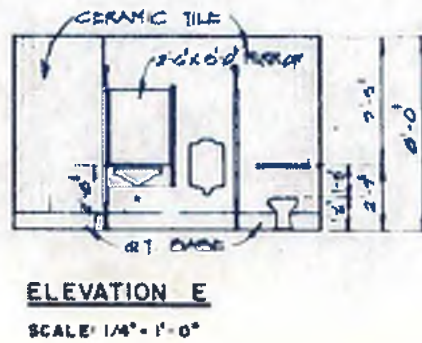
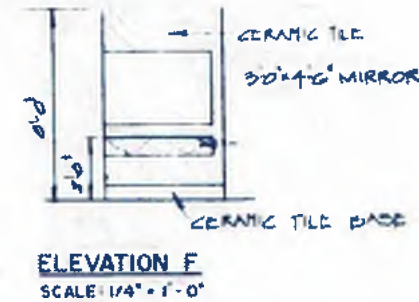
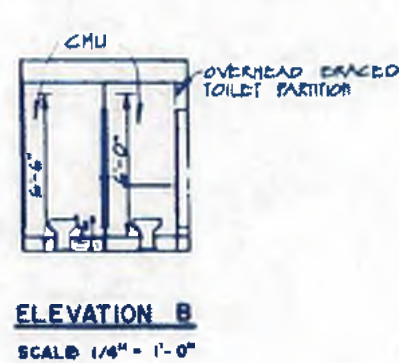
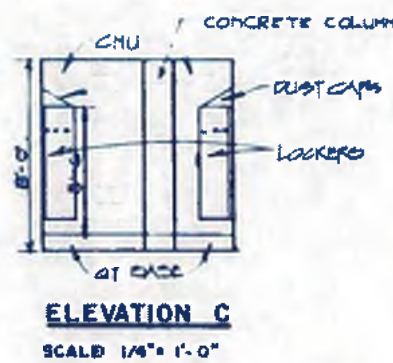
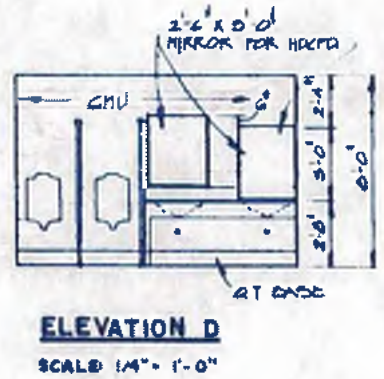
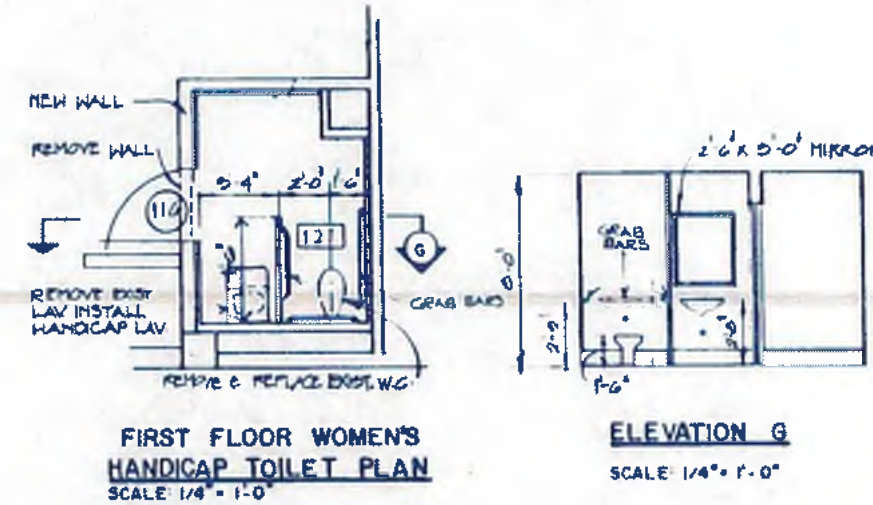
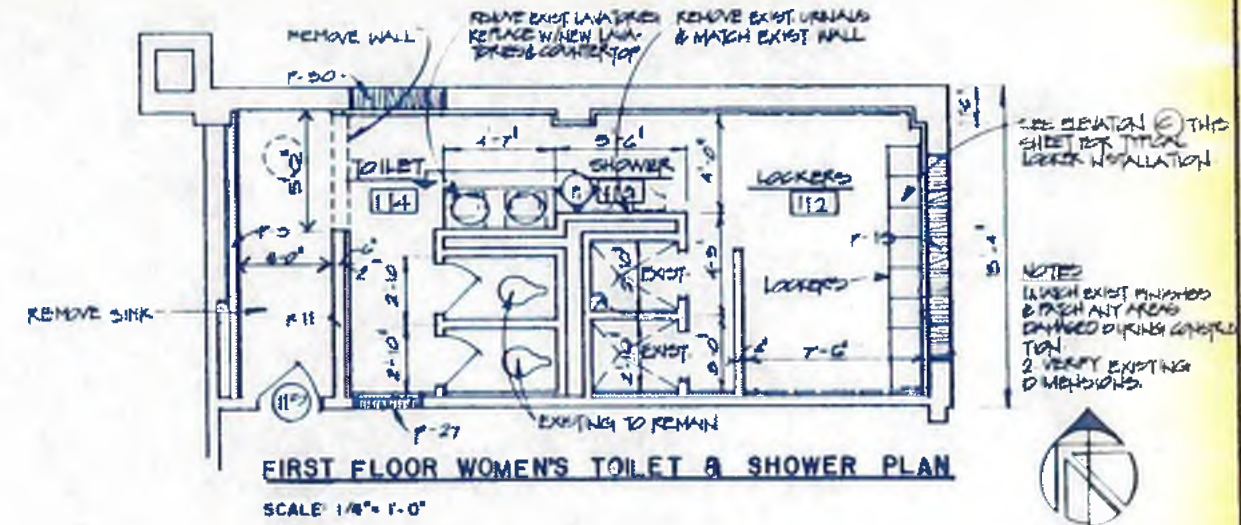
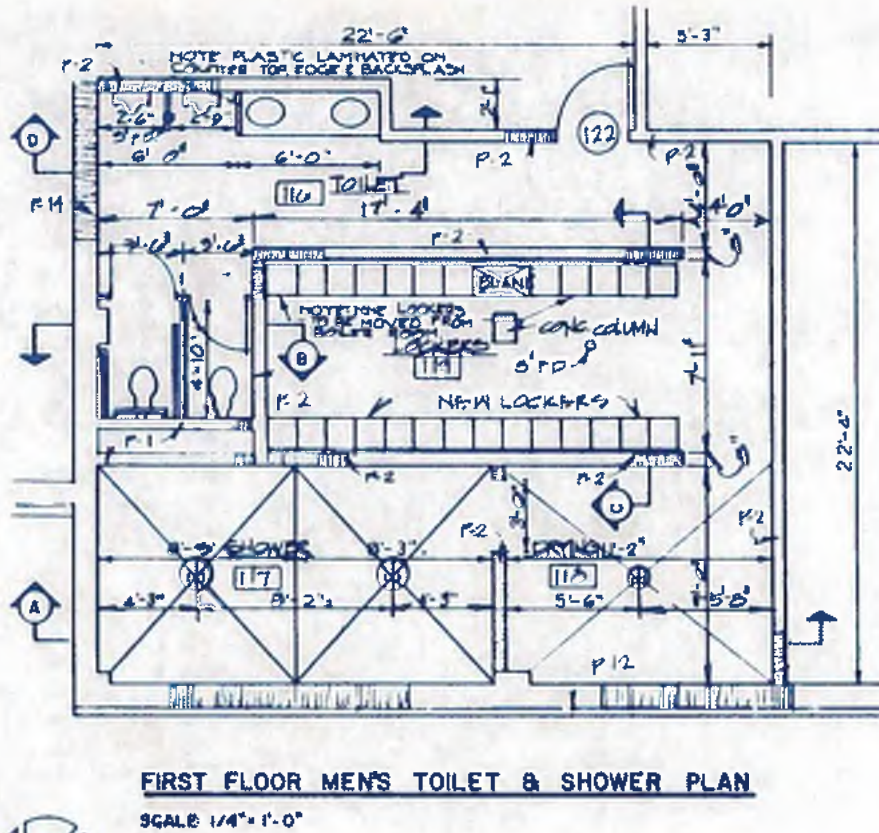
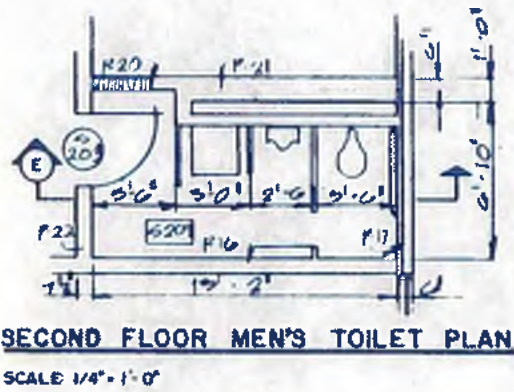
NO.	DATE	BY	GENERAL REVISIONS DESCRIPTION	APP. NO. & PLACE
1				

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETWORKS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LOT: APPROVED
DISTRICT: COUNTY: SHEET NO. **44**

DRAWING NO. **4-A-4**



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INTRINCHMENT CREEK PLANT MODIFICATION
ADMINISTRATION BUILDING
TOILET ROOM DETAILS

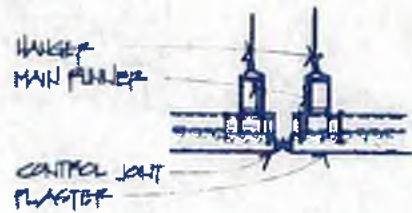


CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

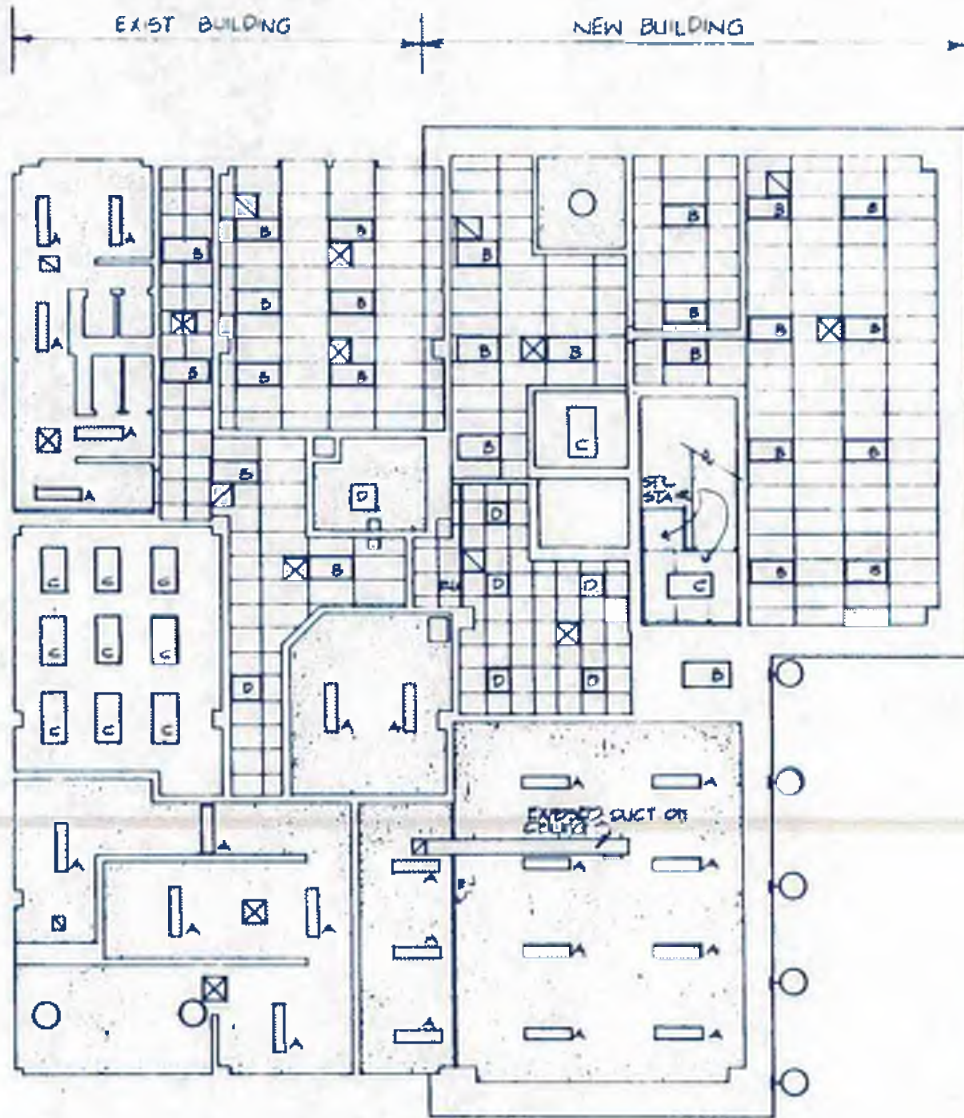
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

ENGR: MAM APPROVED
OWNER: JH
DATE: 5-10-82

LAND LOT: [] DISTRICT: [] COUNTY: [] SHEET NO: 45
DRAWING NO: 4-A-D



EXPANSION JOINT DETAIL
1/8" = 1'-0" 5 PLASTER CEILING



FIRST FLOOR - REFLECTED CEILING PLAN
1/8" = 1'-0"

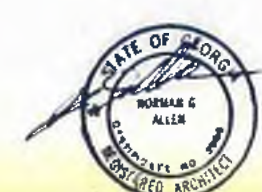


LEGEND

- 1x4 RECESSED FLOOR LIGHT FIXTURE
- 2x4 RECESSED FLOOR LIGHT FIXTURE
- 2x4 SURFACE MTD FLOOR LIGHT FIXTURE
- 2x2 RECESSED FLOOR LIGHT FIXTURE
- EXPANSION JOINT
- SUPPLY DIFFUSER
- RETURN GRILLE
- SURFACE MOUNTED FIXTURE
- WALL MOUNTED FIXTURE
- EXPOSED CEILING
- CEMENT PLASTER
- ACOUSTICAL TILE 2x4
- ACOUSTICAL TILE 2x2

- 1 REFER TO ELECTRICAL DRINGS #15 THROUGH #18 FOR DETAILS
- 2 REFER TO MECHANICAL DRINGS #17 THROUGH #25 FOR DETAILS

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	



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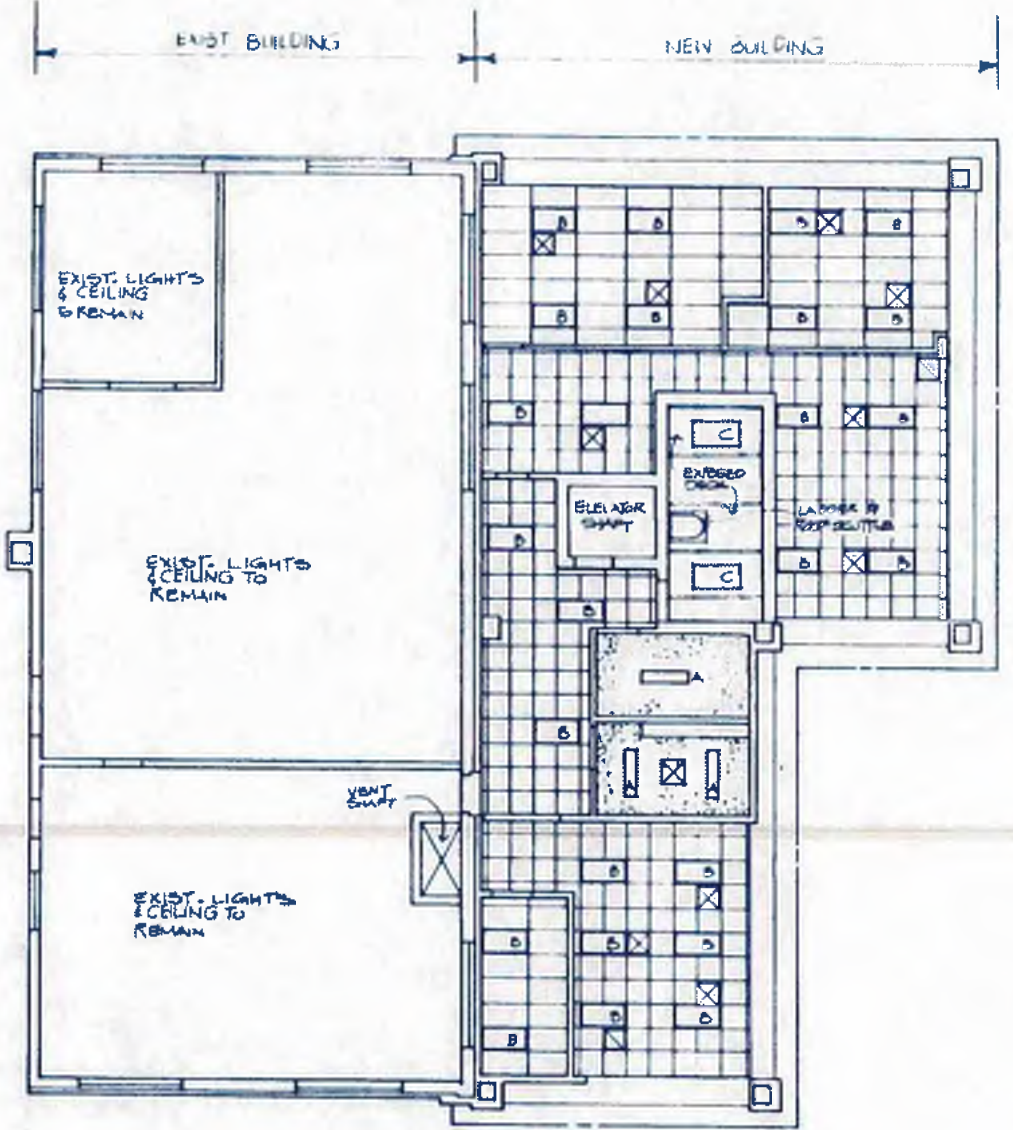
INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
FIRST FLOOR REFLECTED CEILING PLAN

DATE: 5-10-82
SCALE: 1/8" = 1'-0"

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

DISTRICT: _____ COUNTY: _____
SHEET NO: 46



SECOND FLOOR-REFLECTED CEILING PLAN
 1/8" = 1'-0"

LEGEND

- EXPOSED CEILING
- CEMENT PLASTER
- ACOUSTICAL TILE 2x4
- ACOUSTICAL TILE 2x2
- 1x4 RECESSED LIGHT FIXTURE
- 2x4 RECESSED LIGHT FIXTURE
- 2x4 SURFACE MTD LIGHT FIXTURE
- RETURN AIR GRILLE
- DIFFUSER



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INTRINCHMENT CREEK PLANT MODIFICATIONS
 ADMINISTRATION BUILDING
 SECOND FLOOR REFLECTED CEILING PLAN

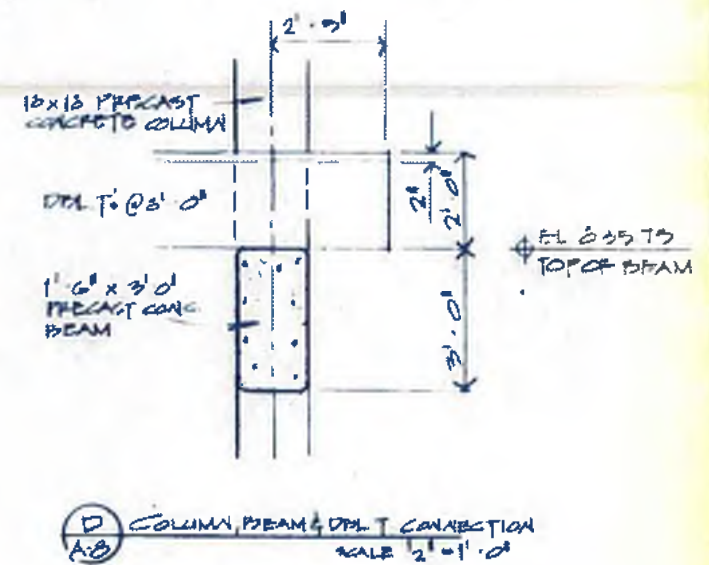
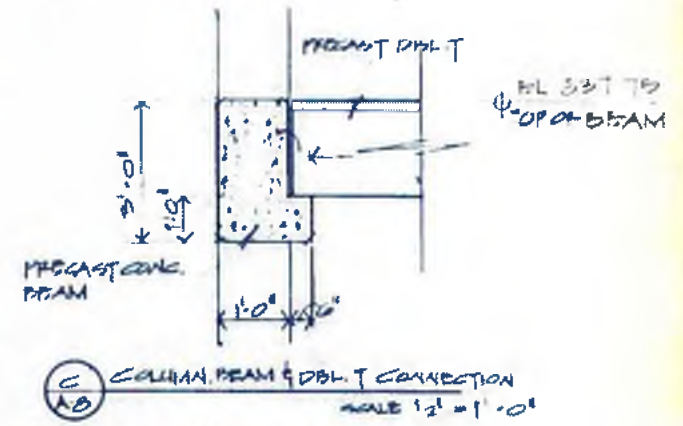
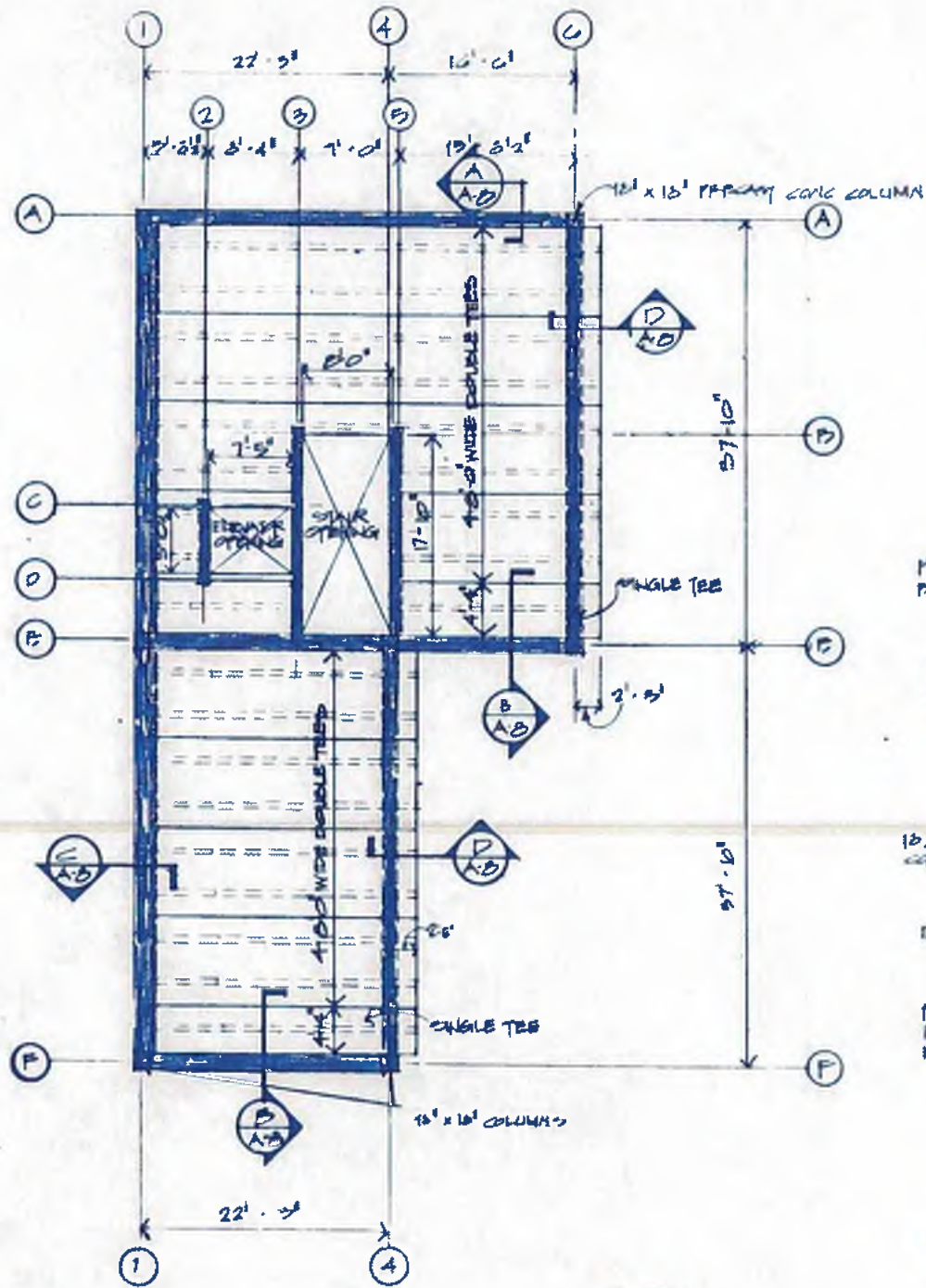
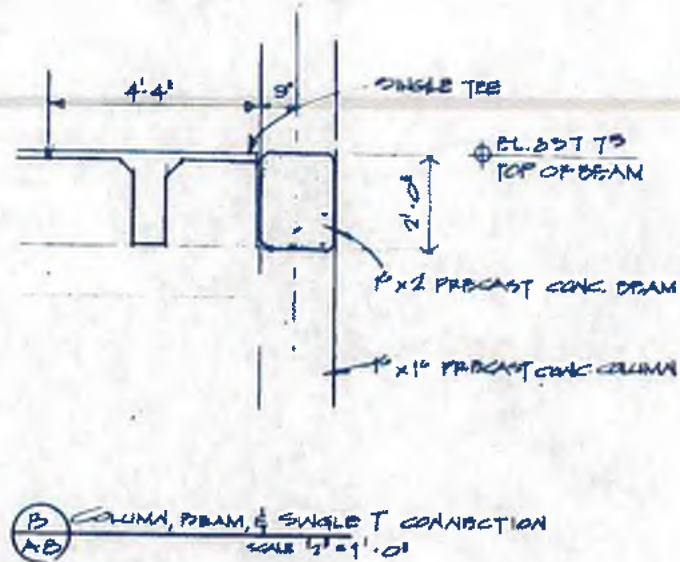
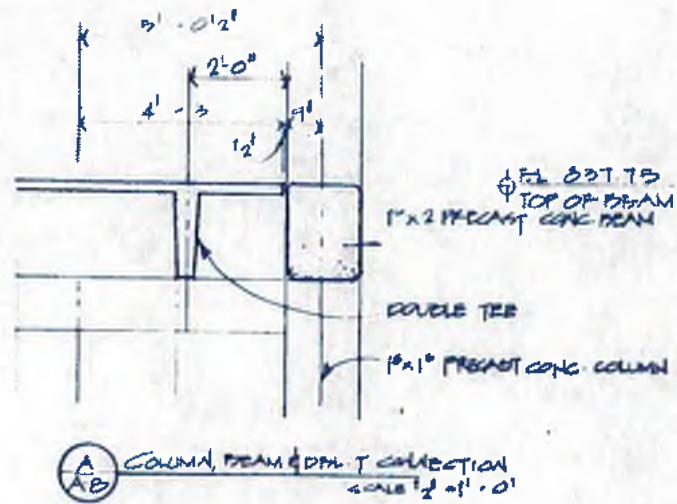
DESIGN	JF	APPROVED
DRAWN	L.P.	
CHECKED	NGA	SCALE 1/8" = 1'-0" DATE 5-10-82

NO.	DATE	BY	DESCRIPTION	PLACED
REVISIONS				

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NO.
DR. PLAN NO.	4-A-7	47



NOTE-ALL DRAWING ABOVE FLOOR LINE SHALL BE THE RESPONSIBILITY OF THE PRECAST CONCRETE MANUFACTURER & DESIGNER EXCEPT WHERE MATERIALS ARE TO BE FURNISHED IN PLACE

DETAILS SHOWN ARE RECOMMENDED FOR ARCHITECTURAL DESIGN PRECAST CONCRETE SUPPLIER SHALL BE RESPONSIBLE FOR ALL FINAL DESIGN CALCULATIONS & SIZES BUT HE WILL NOT ALTER ARCHITECTURAL DETAILS WITHOUT THE APPROVAL OF THE ARCHITECT/ENGINEER.

SECOND FLOOR FRAMING PLAN
1/8" = 1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
SECOND FLOOR FRAMING PLAN

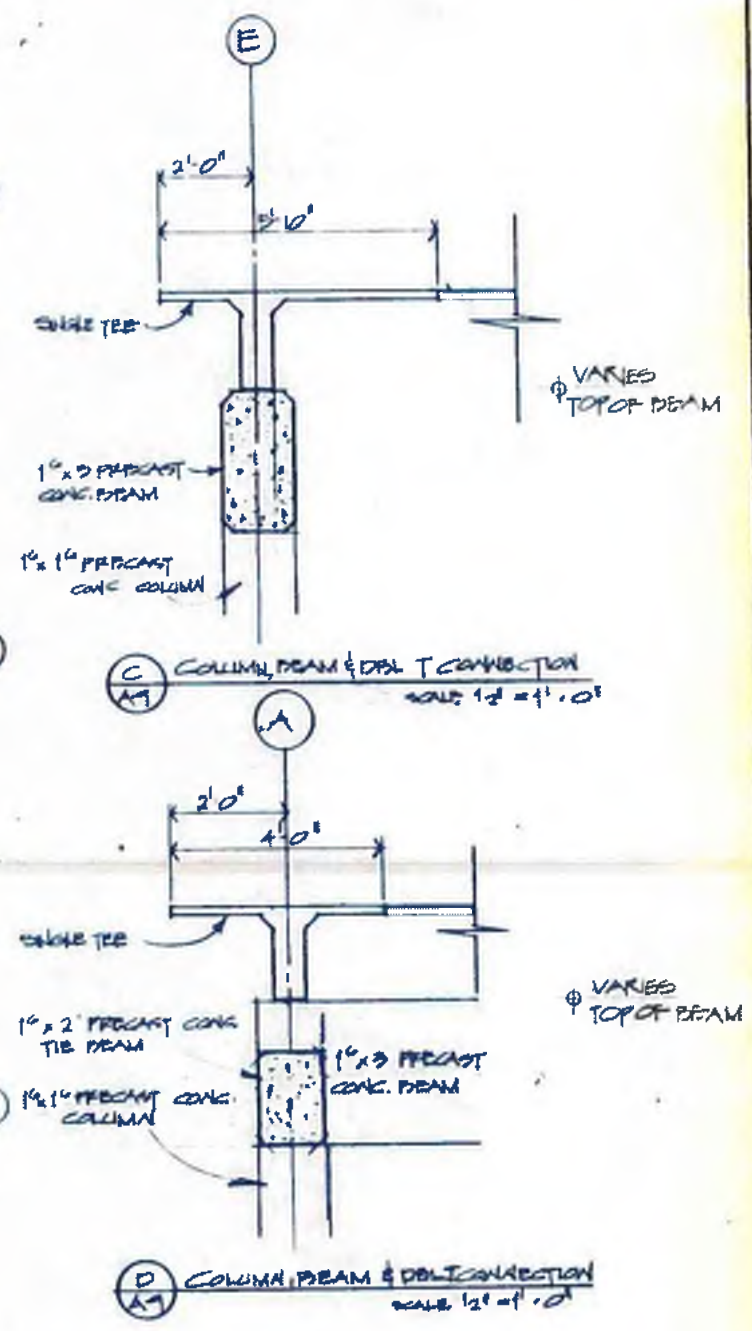
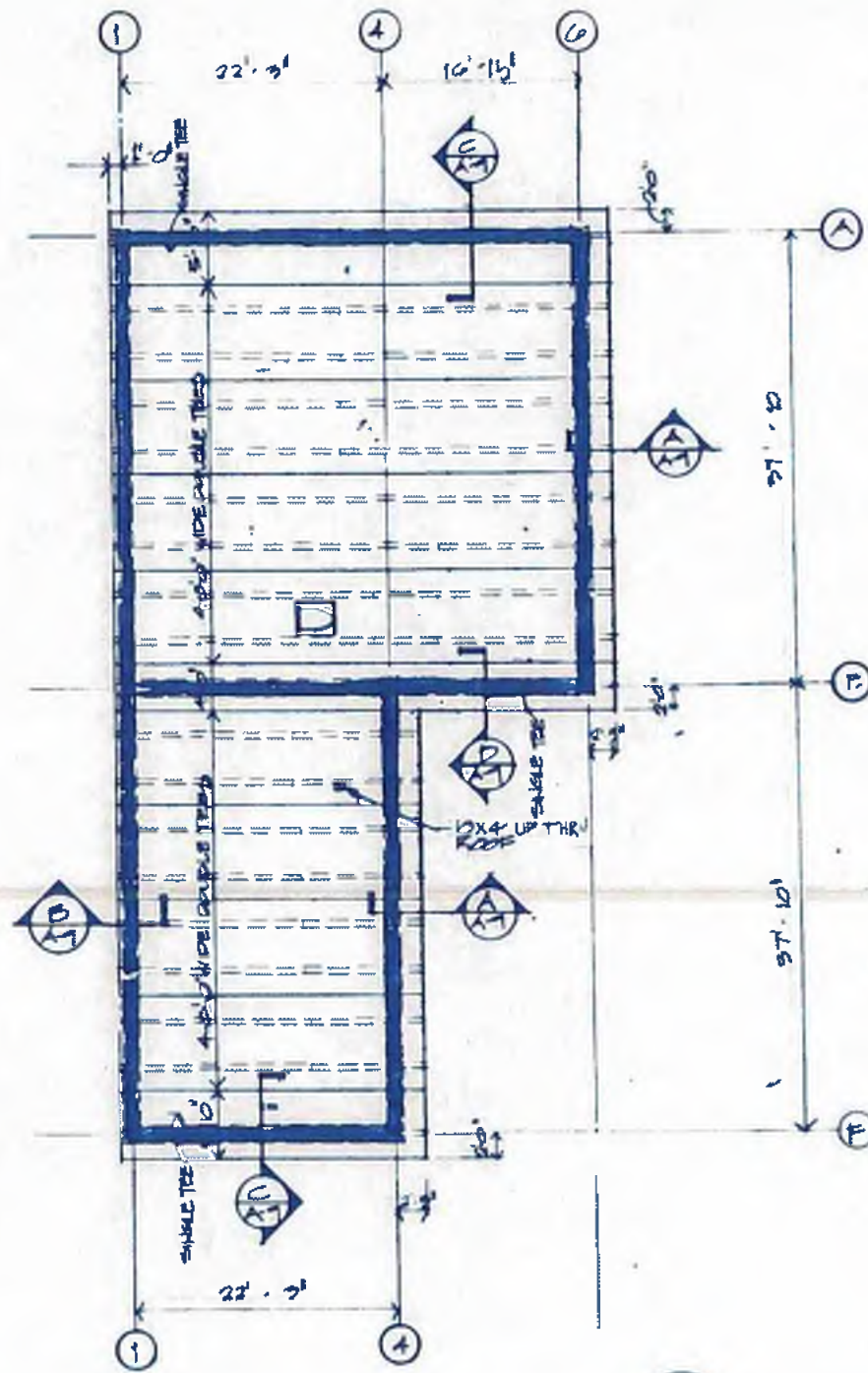
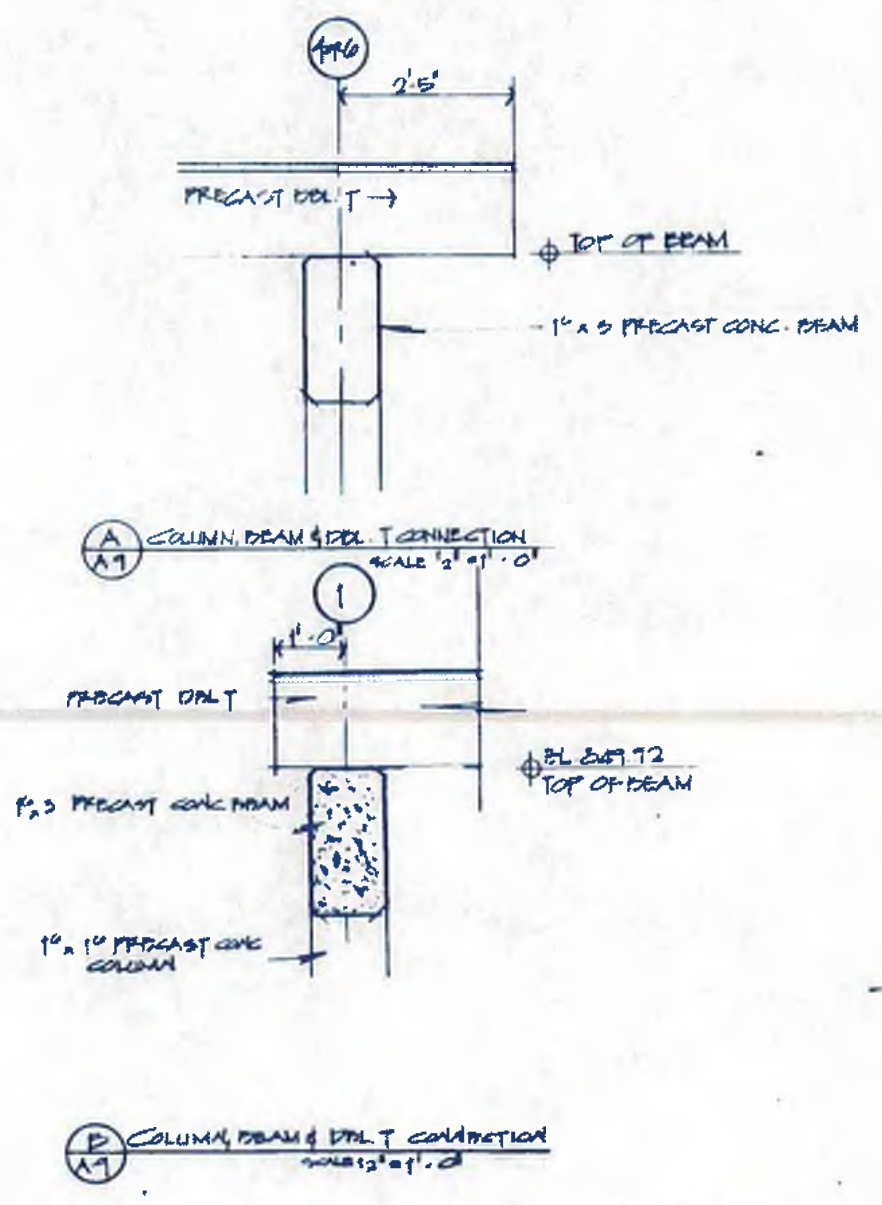
DESIGN	JF	APPROVED
DRAWN	AB	
CHECKED	NGA	SCALE AS SHOWN DATE 5-10-82



CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NO
DRAWING NO	4-A-B	48



ROOF FRAMING PLAN
1/8" = 1'-0"



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INTRICHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
ROOF FRAMING PLAN

DRGN JF APPROVED
DRWN AB
CHKD NGA SCALE AS SHOWN DATE 5-10-02

NO	DATE	BY	DESCRIPTION	PL/CS
REVISIONS				

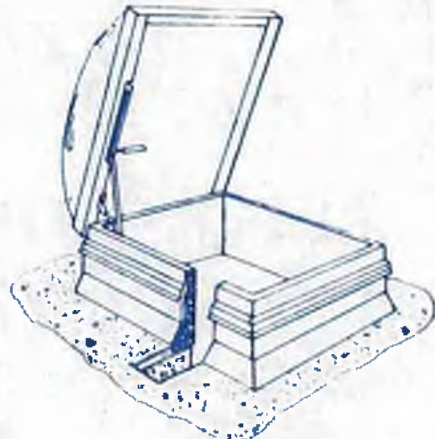
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

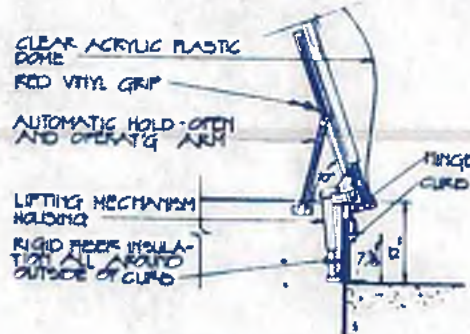
DISTRICT COUNTY
APPROVED SHEET NO.

DRAWING NO. 4-A-9

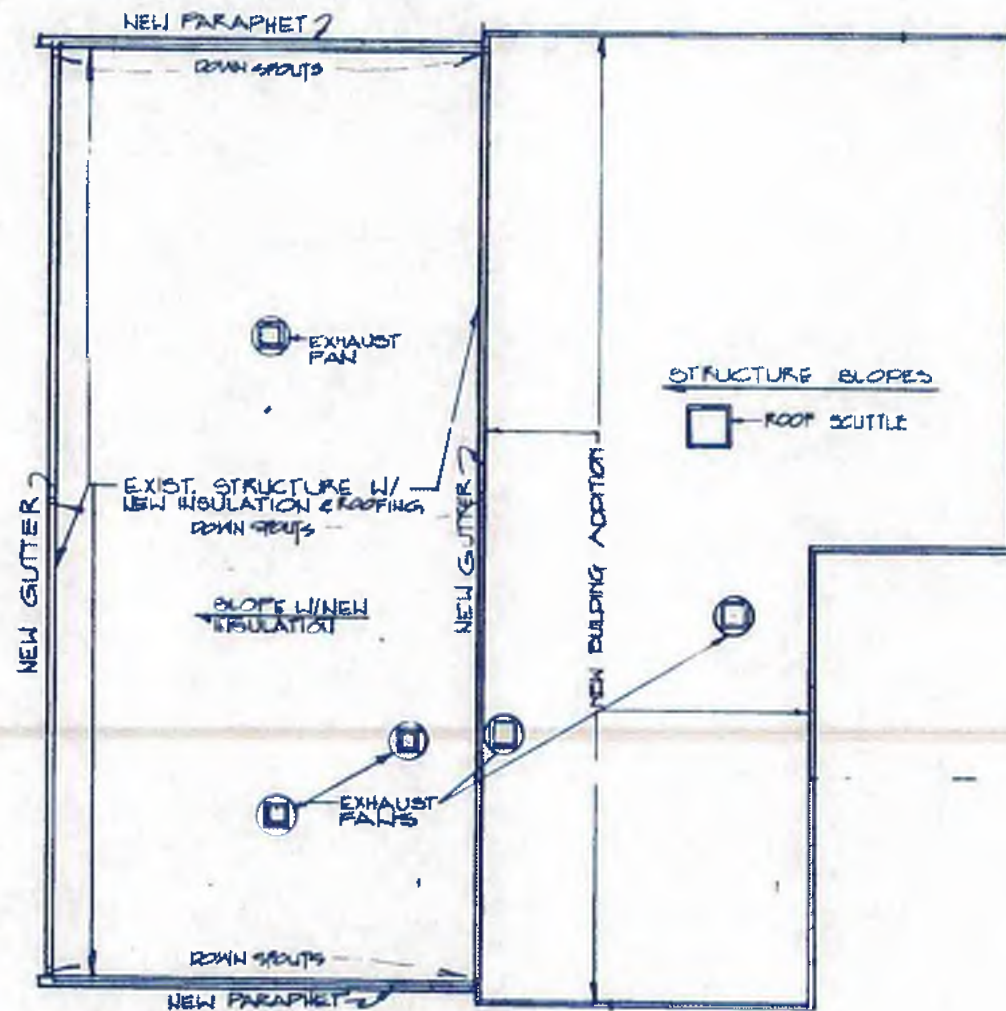
49



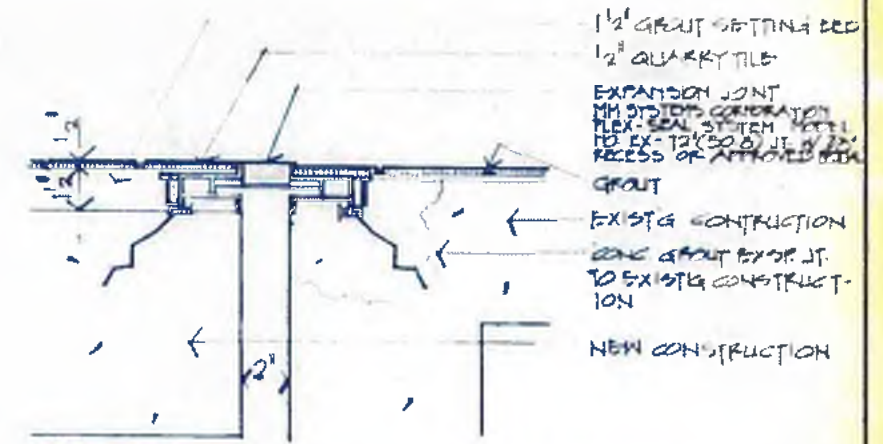
SCUTTLE DETAIL
N.T.S.



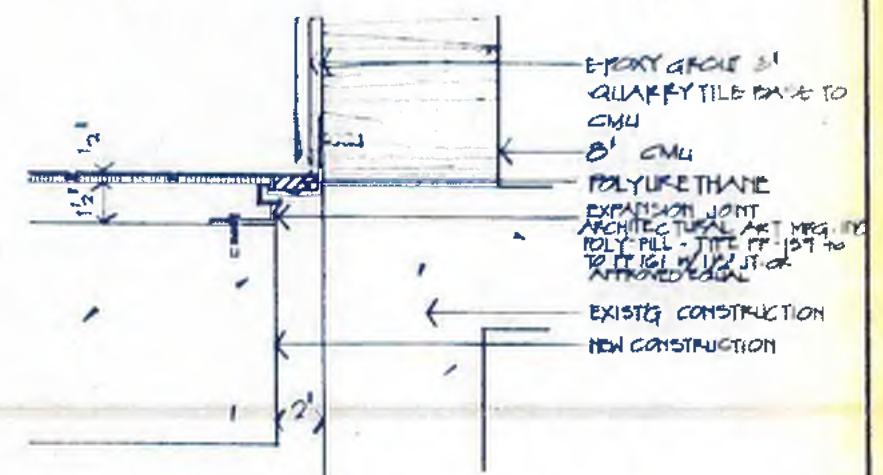
SECTION
N.T.S.



ROOF PLAN
1/8" = 1'-0"



EXPANSION JT. DETAIL
SCALE 3/4" = 1'-0"



EXPANSION JT. DETAIL
SCALE 3/4" = 1'-0"



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INTRENEHNT CREEK PLANT MODIFICATION
ADMINISTRATION BUILDING
ROOF PLAN AND DETAILS

ORGN: JF APPROVED
CHKD: MYB
DATE: 5-10-82

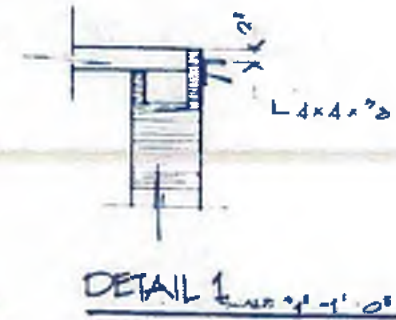
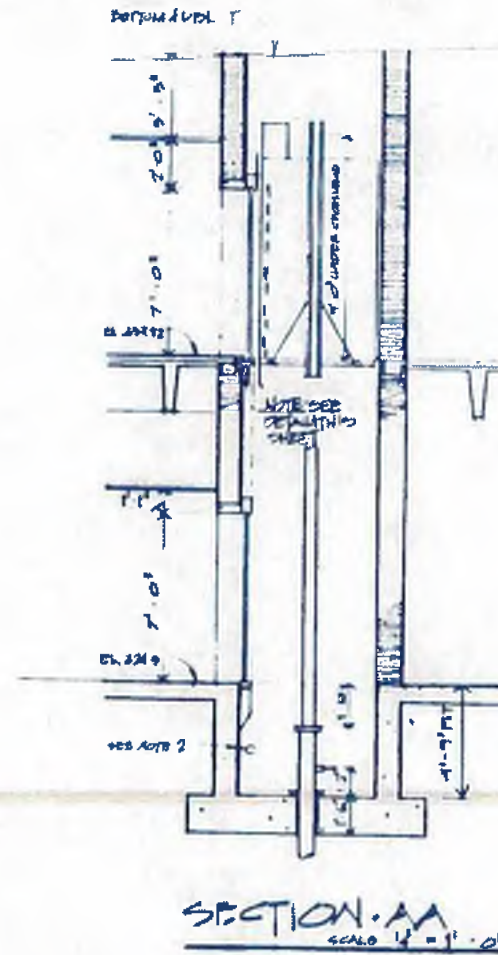
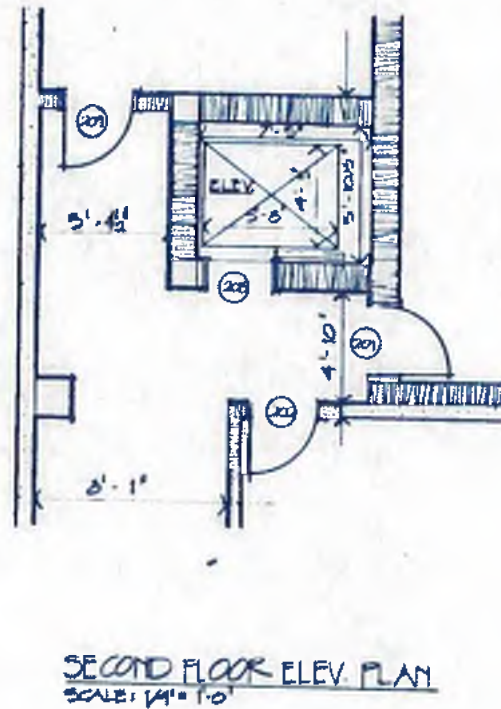
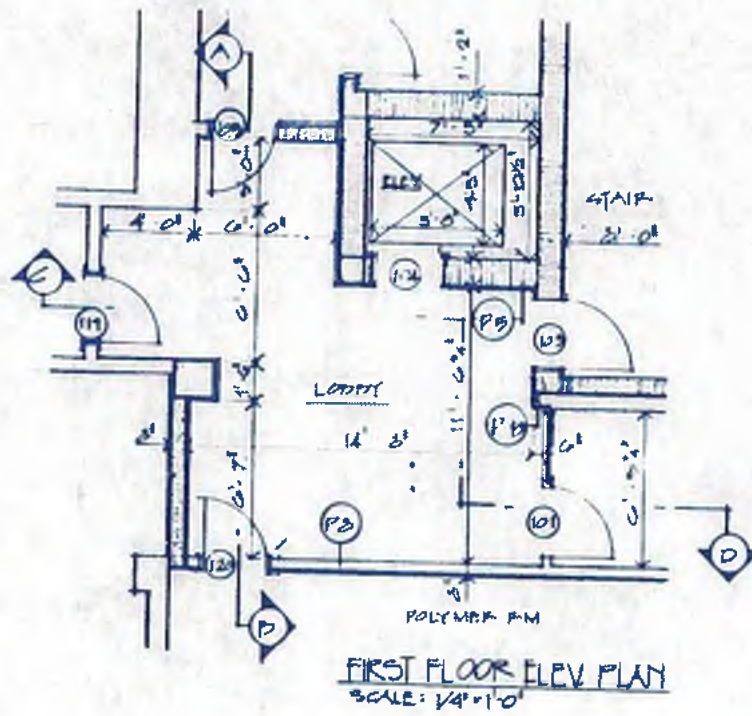
NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

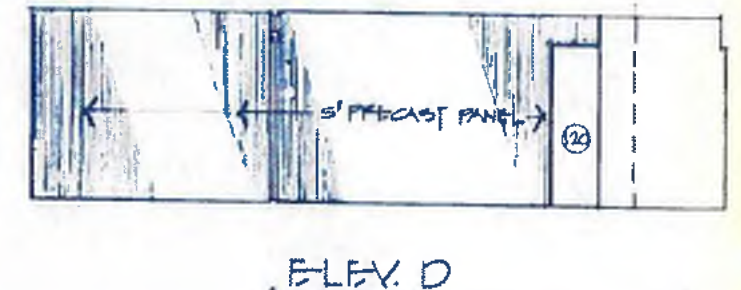
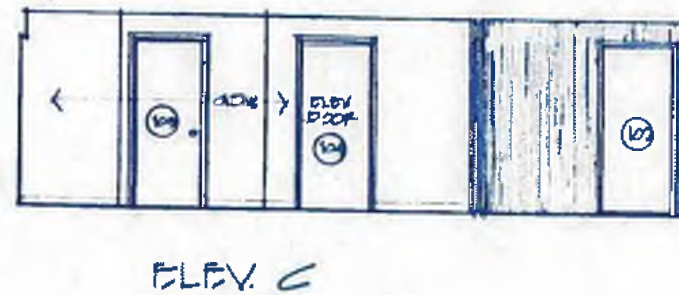
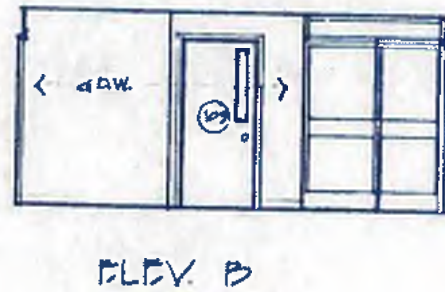
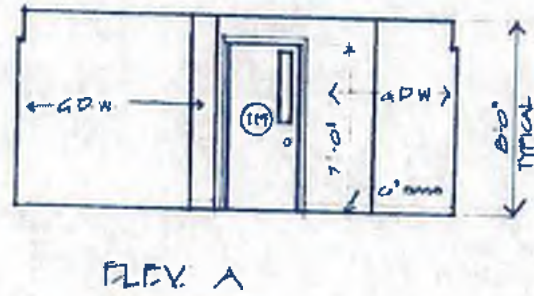
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND USE: DISTRICT: COUNTY: SHEET NO: **50**

DRAWING NO: 4-A-10



- NOTES:
- WORK NOT INCLUDED IN ELEVATOR CONTRACT
1. A pipe hoistway according to loads and sizes shown and properly ventilated. Adequate support at all guide rail bracket locations for loads shown. Pipe sleeves, trenching and back filling for all and/or conduit lines as shown or located by elevator contractor. All cutting and patching to install hoistway entrances and elevator hall fixtures. Hoistway barricades.
 2. Necessary pit lights and switch, convenience outlets, pit ladder, according to code. (Keep clear of elevator equipment.)
 3. An enclosed machine area according to code, with adequate light, heat (min. 50°F., max. 100°F.) and ventilation.
 4. Power feeders (copper wire, type RH, or THW) to terminals of each power controller, shall be sized for a starting current of _____ amps, with a max. allowable voltage drop of 10%, and a full load current of _____ amps, with a max. allowable voltage drop of 5%. Branch circuit disconnect switch shall be sized for _____ amp. st'd. fuses, _____ amp. circuit breaker, _____ amp. time delay fuses.
 5. 120 volts, 15 amp. car light and alarm circuit and junction box as located on drawing.
 6. A 2'-0" square hole in pit floor for setting of jalk and grout in after jalk is set.
 7. Steel angle or concrete fill supports with a 2" Deep x 4" wide pocket, full width of hoistway, and grouting of pocket after sills are in place.
 8. For passenger elevator type hoistway entrances, erect entrance walls, with lintels, after frames are set, or leave a rough opening 1"-0" wider x 5" higher than finished opening and fill-in, with lintels, around frame, after frames are set.
 9. Necessary pockets in corridor walls for hall fixtures per table below. (Locate as directed by elevator contractor.)



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
ELEVATIONS AND SECTIONS-INTERIOR ELEVATIONS

DESIGNER	JF	APPROVED	
DRAWN	AB		
CHECKED	NGA	SCALE AS SHOWN	DATE 5-10-82

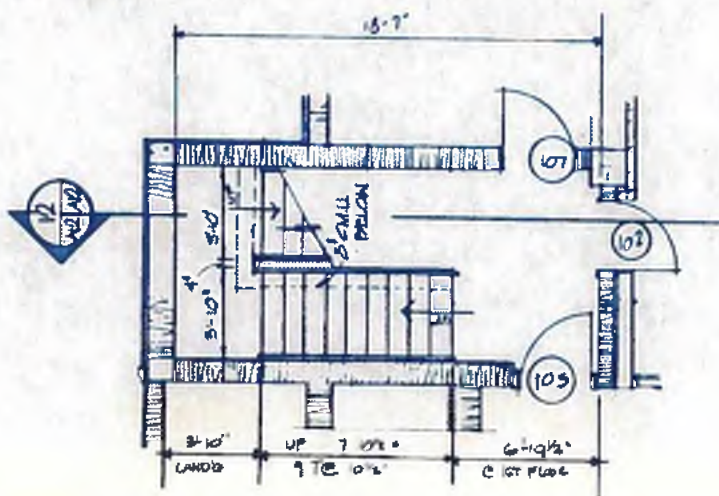


CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

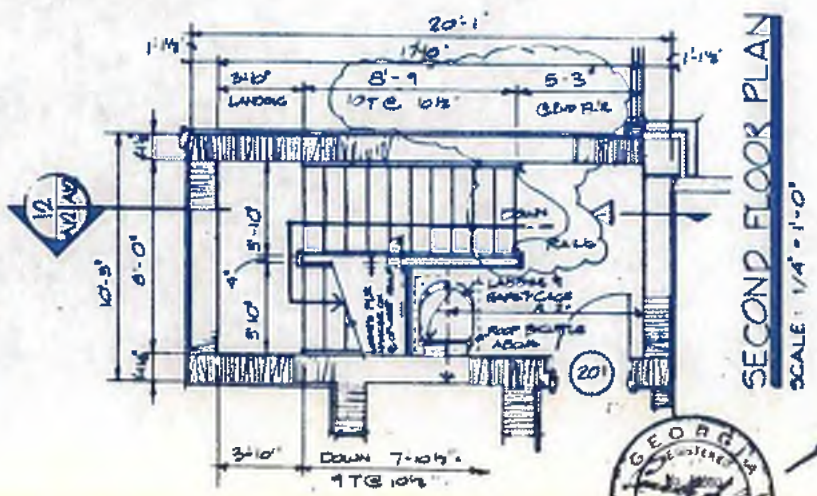
NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

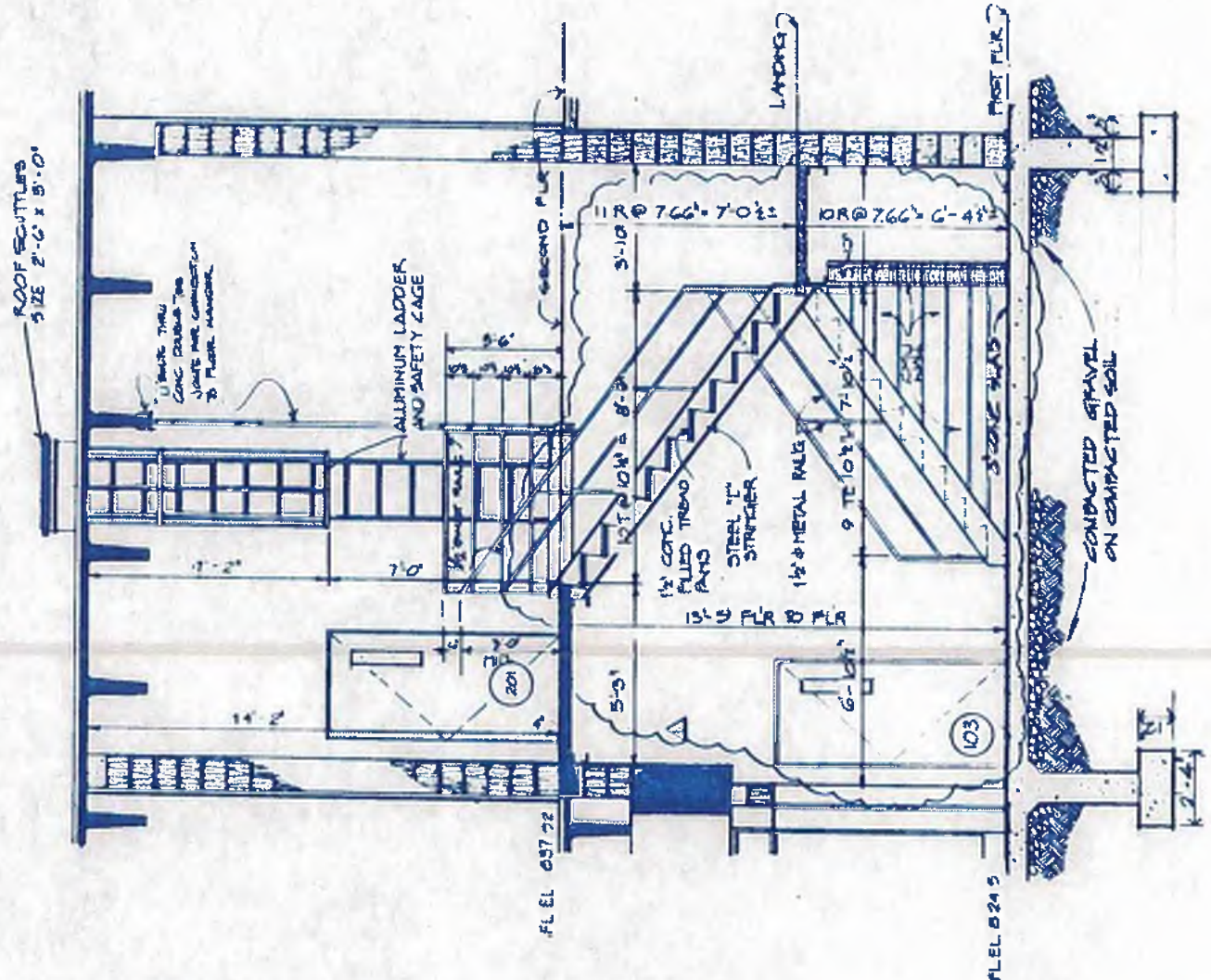
AND LOT	DISTRICT	DATE
APPROVED		
DRAWING NO.	4-A-II	



FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"



SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



STAR SECTION
SCALE: 3/8" = 1'-0"



NOTE: DESIGN OF STAIR, LANDINGS, ETC. ARE THE RESPONSIBILITY OF THE STAIR MANUFACTURER.



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INTRICHMENT CREEK PLANT MODIFICATIONS,
ADMINISTRATION BUILDING
STAIRS, PLANS AND SECTIONS

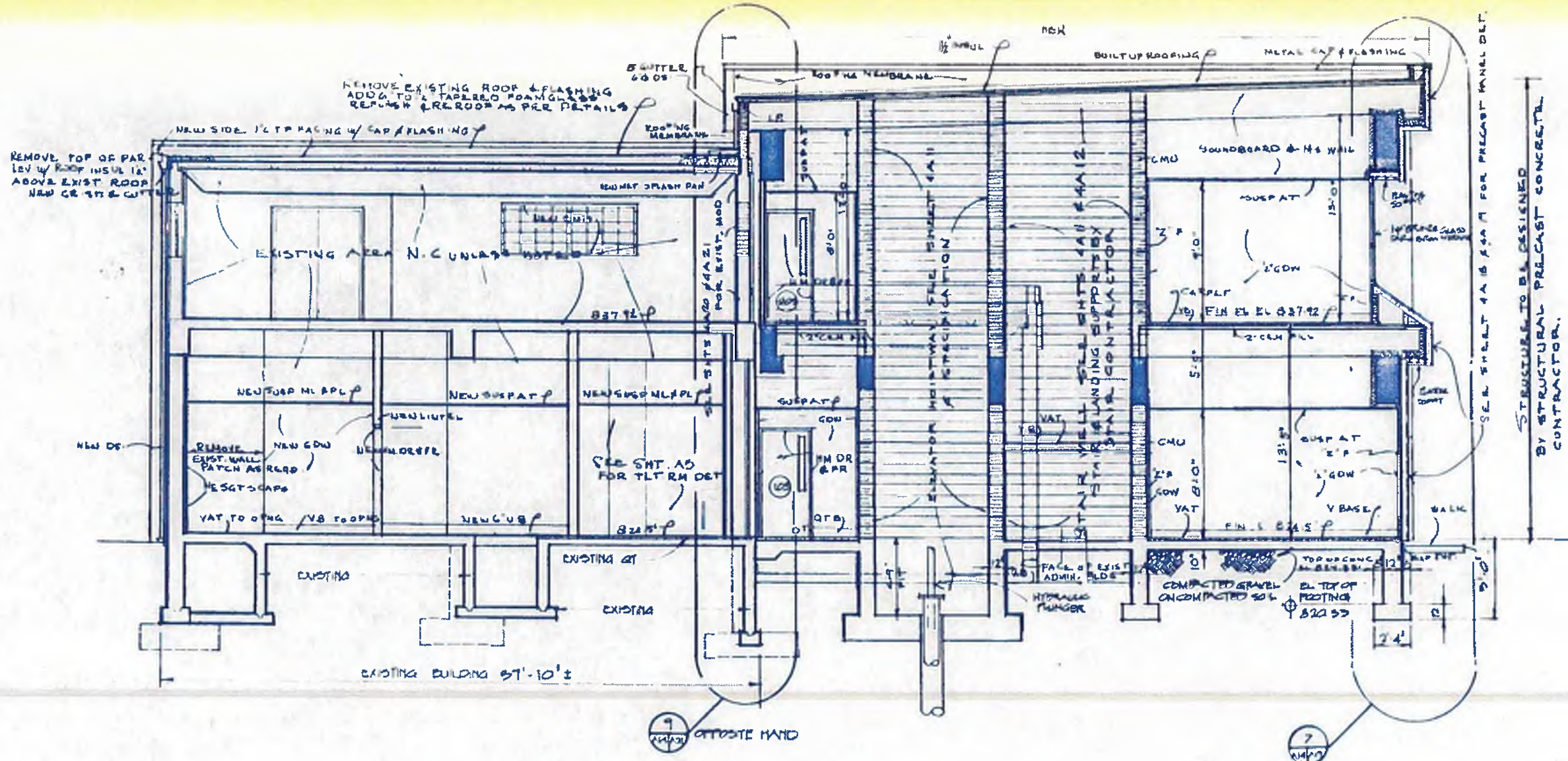
DRGN	JWF	APPROVED
DRWN	STG	APPROVED
CHKD	NGA	SCALE AS SHOWN DATE 5-10-82

NO.	DATE	BY	DESCRIPTION	ADD. NO'S	PLACES
1	4-82	JWF	GENERAL REVISIONS		

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NO.
DRAWING NO. 4-A-12		52



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



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atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
1/4" SECTION AND DETAILS

DESN	JE	APPROVED
DRWN	AB	
CHKD	NGA	SCALE 1/4" = 1'-0" DATE 5-30-82

NO	DATE	BY	DESCRIPTION	PLACED
			REVISED	

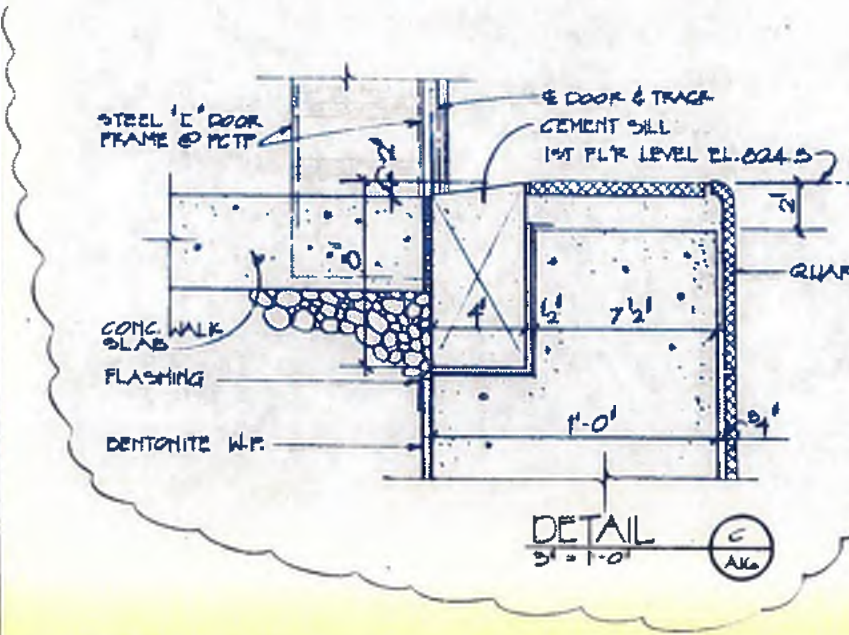
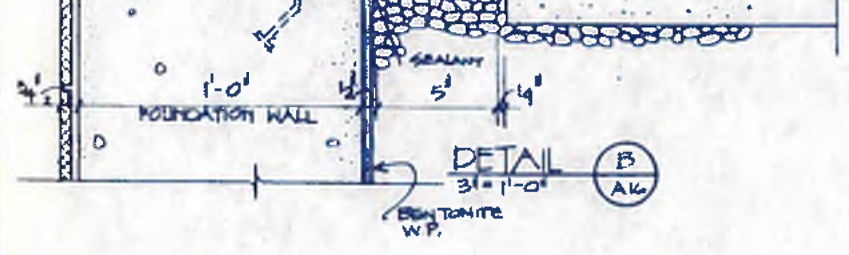
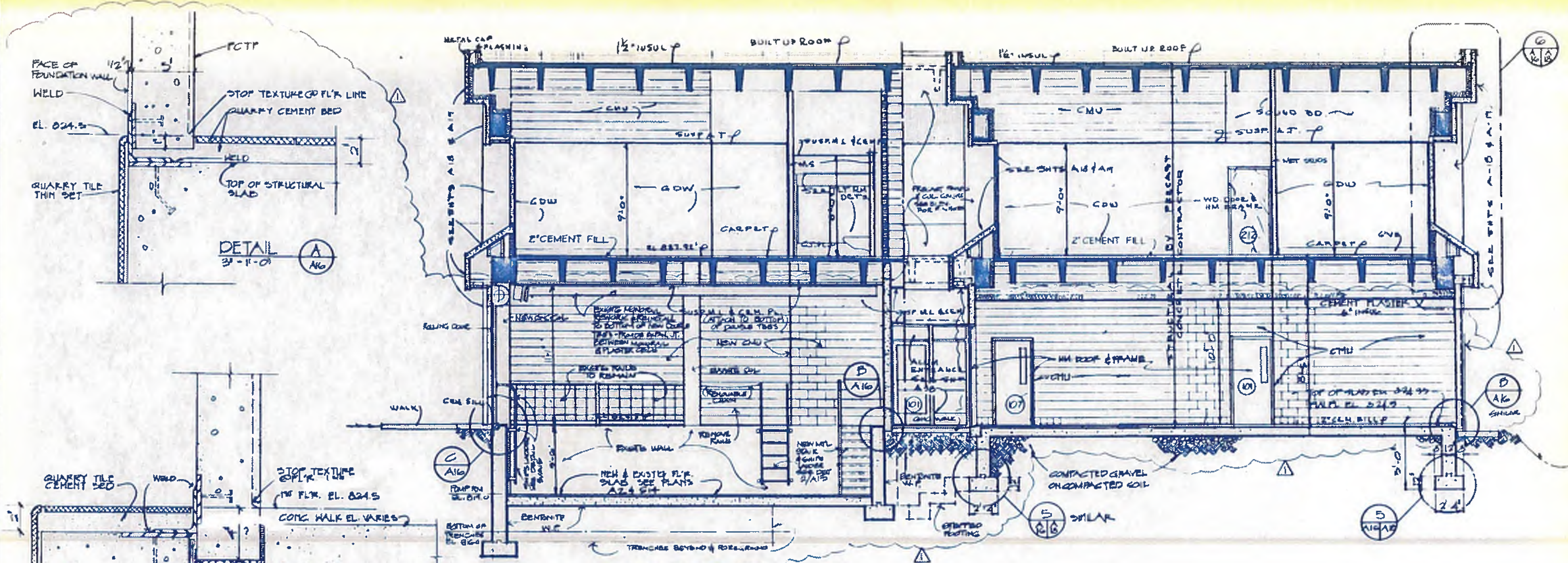
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

HAND LOT	DISTRICT	COUNTY

DRAWING NO. 4-A-14 **54**

1277



SECTION
1/4" = 1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATION
ADMINISTRATION BUILDING
1/4" SECTION AND DETAILS

ORGN: JWF APPROVED
DRAWN: MYB
CHKD: NGA
SCALE: 1/4" = 1'-0" DATE: 5-10-82

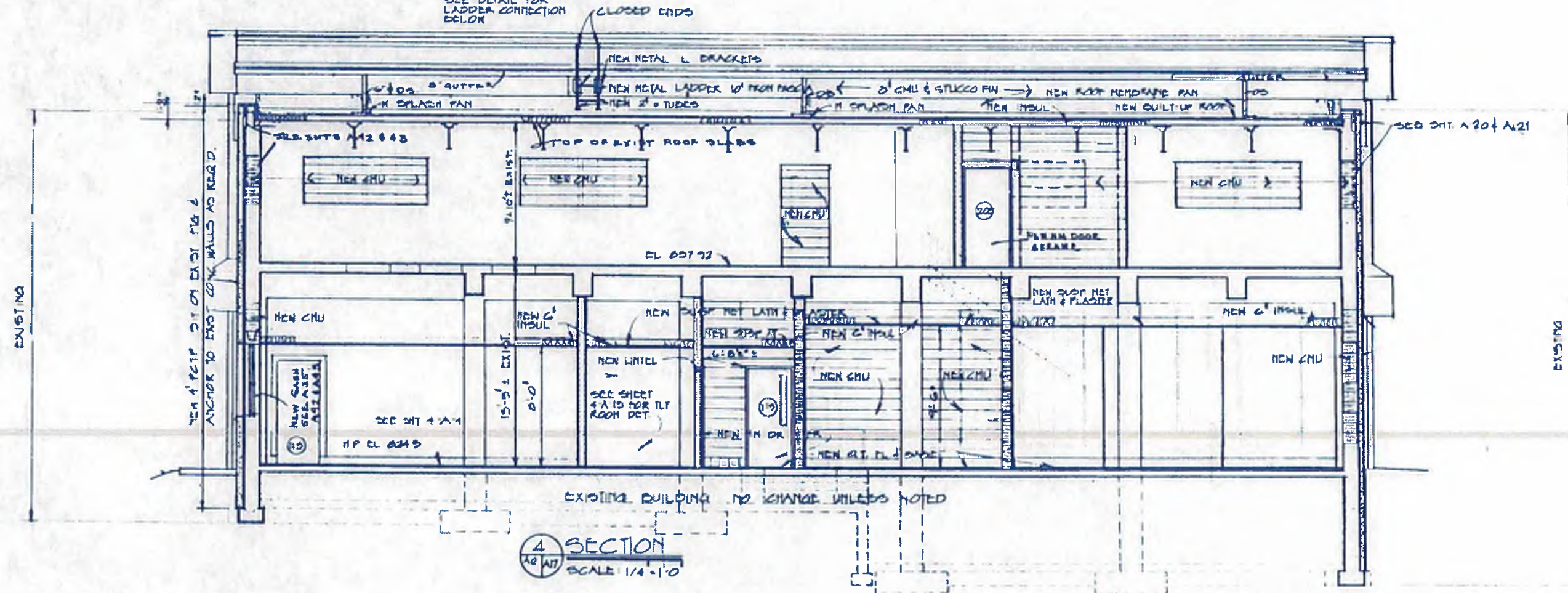
NO.	DATE	BY	DESCRIPTION	APP. NO. 2

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

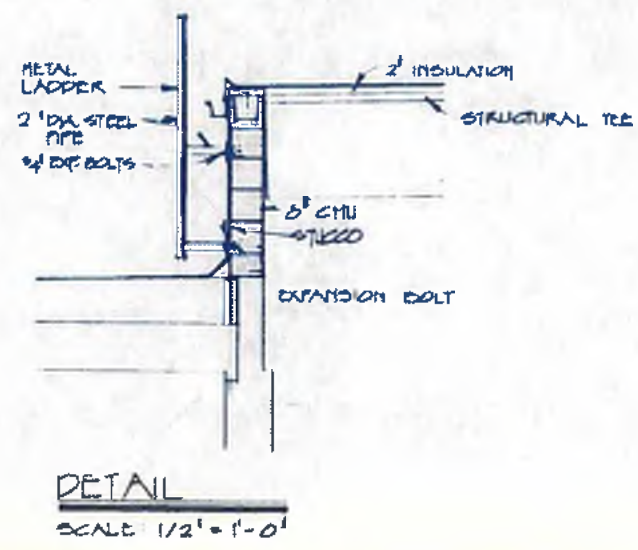
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NO.
DRAWING NO. 4-A-15		56

NOTE:
SEE DETAIL FOR
LADDER CONNECTION
BELOW



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



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



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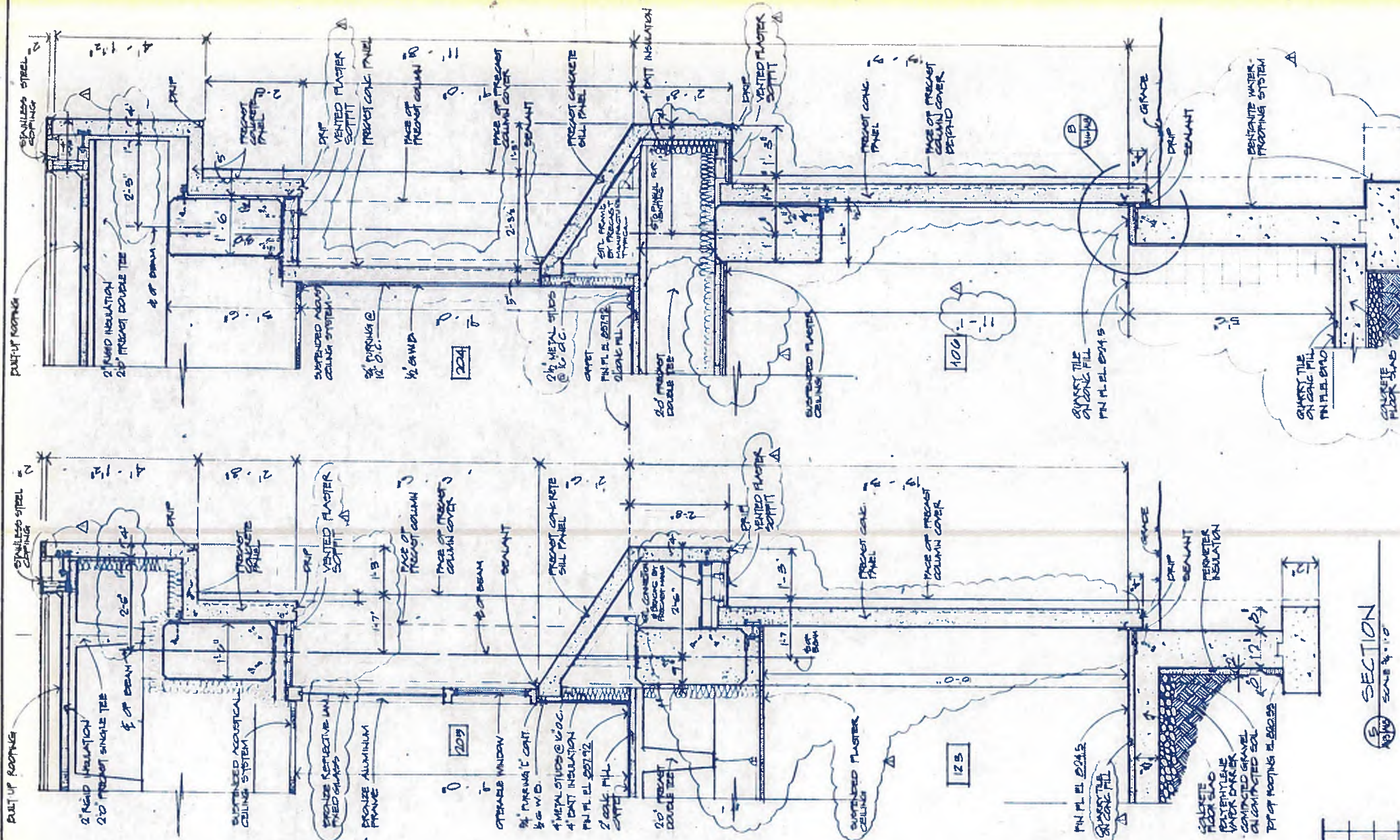
INTRINCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
1/4" SECTION AND DETAILS

ORGN JF APPROVED
CHDR NGA
SCALE AS SHOWN DATE 5-10-82

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS
LAND LOT APPROVED DISTRICT COUNTY SHEET NO.
DRAWING NO. 4-A-17 **57**



GENERAL NOTE:
 CONNECTION AND SUPPORT OF PRECAST CONCRETE COMPONENTS
 ARE SHOWN FOR DESIGN INTENT ONLY. PRECAST SUPPLIER
 SHALL ENSURE THAT DESIGN OF ALL COMPONENTS OF THE
 PRECAST CONCRETE SYSTEM MEET ALL APPLICABLE REGULATIONS.

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

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



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INTRINCIMENT CREEK PLANT MODIFICATIONS
 ADMINISTRATION BUILDING
 PART 3/4" DETAILS

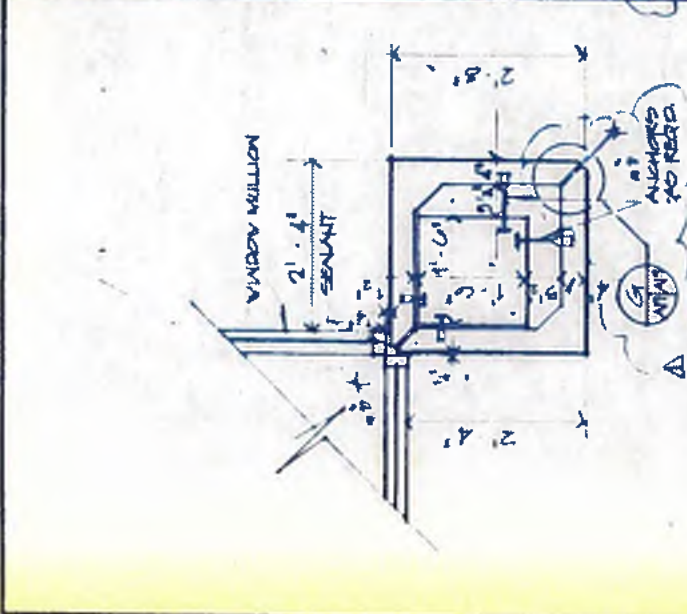
DESIGNER: JF APPROVED
 DRAWN: AB
 CHECKED: NGA
 SCALE: 3/4" = 1'-0" DATE: 5-10-82



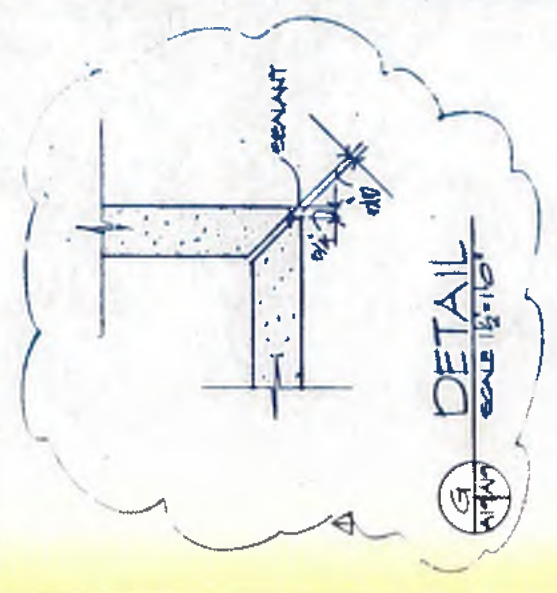
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

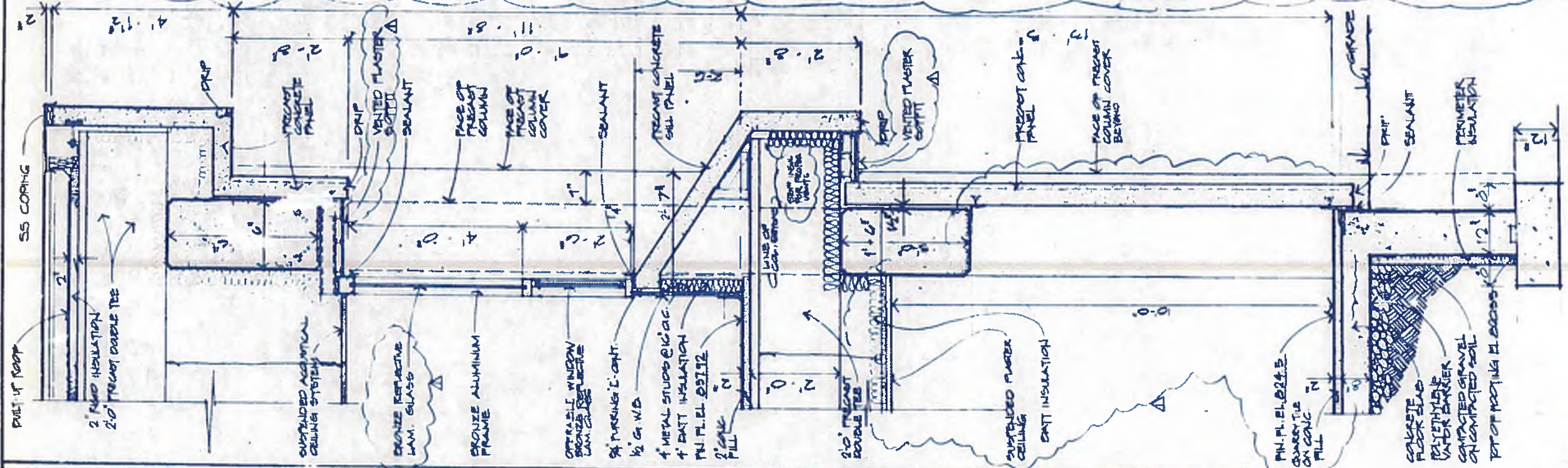
LAND LOT: APPROVED DISTRICT: COUNTY: SHEET NO:
 DRAWING NO: 4-A-18



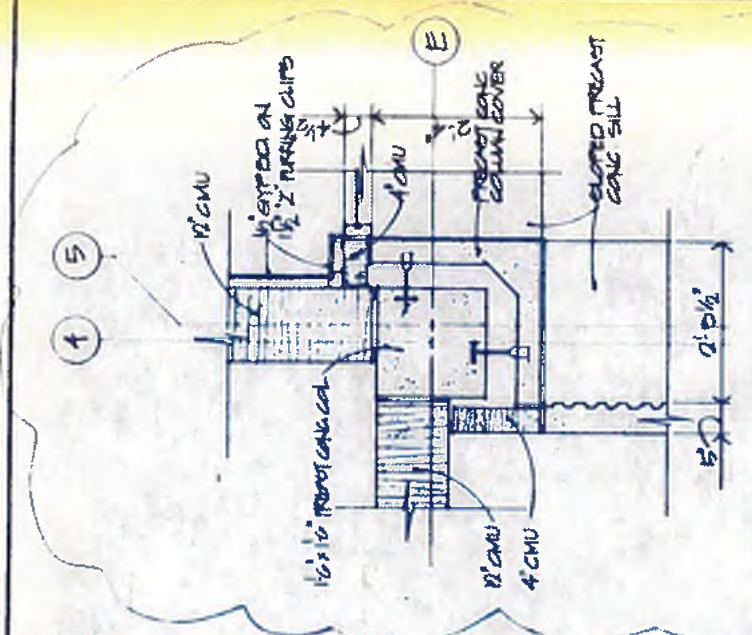
A TYPICAL WINDOW COLUMN DETAIL
SCALE 3/4" = 1'-0"



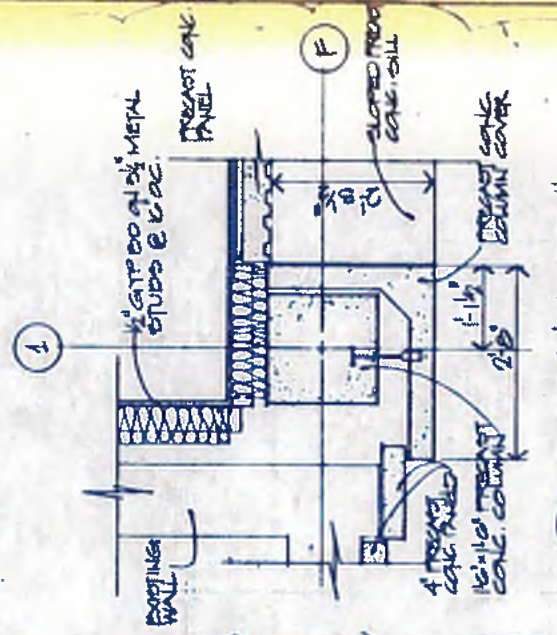
G DETAIL
SCALE 1/2" = 1'-0"



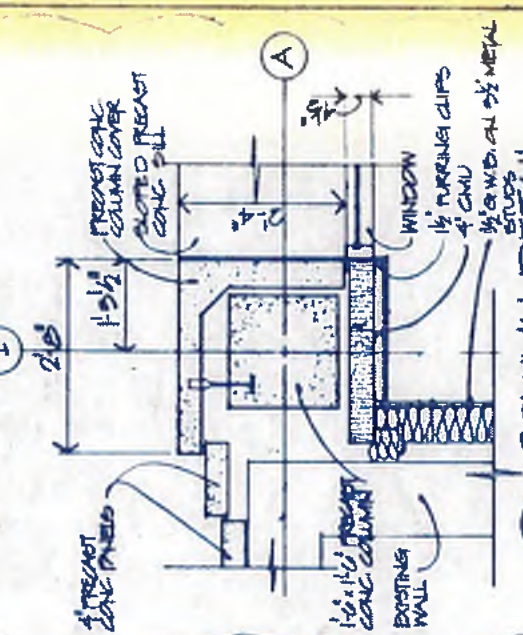
7 SECTION
SCALE 3/4" = 1'-0"



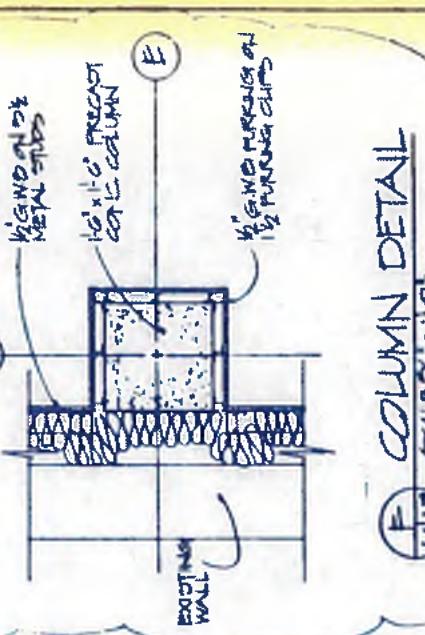
C COLUMN DETAIL
SCALE 3/4" = 1'-0"



D COLUMN DETAIL
SCALE 3/4" = 1'-0"



E COLUMN DETAIL
SCALE 3/4" = 1'-0"



F COLUMN DETAIL
SCALE 3/4" = 1'-0"

GENERAL NOTE
THE DESIGN AND SUPPORT OF PRECAST CONCRETE CONNECTIONS AND CONNECTIONS ARE SHOWN FOR DESIGN INTENT ONLY. PRECAST SUPPLIER SHALL ENSURE THAT DESIGN OF ALL COMPONENTS OF THE PRECAST CONCRETE SYSTEM MEET ALL APPLICABLE REGULATIONS.



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INTRINCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
MAIN 3/4" DETAILS

DRGN	JWF	APPROVED
DRWN	AB	APPROVED
CHKD	NGA	SCALE 3/4" = 1'-0" DATE 5-10-82

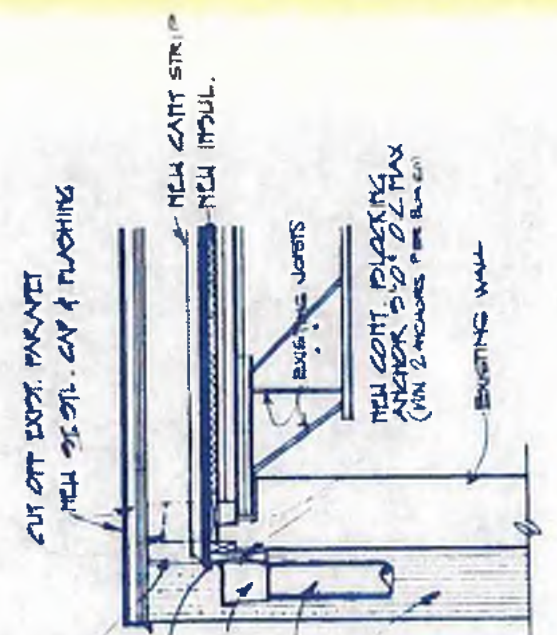
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

NO.	DATE	BY	DESCRIPTION	ADD. NO.	PLACES
1	5-10-82	NGA	SUPPLY VENT, ACC DETAILS		

LAND LOT	DISTRICT	COUNTY
APPROVED		

59



SECTION 10
SCALE 3/4" = 1'-0"

NEW EXPOSE
NEW 1/4\"/>

NEW 3/4\"/>

NEW 1/4\"/>

NEW 2\"/>

EXISTING WALL & FLOOR
SECOND FL. CL. 857.72 (EXISTING)

NEW 2\"/>

NEW 2\"/>

NEW 1\"/>

FIRST FL. CL. 829.5' (EXISTING)

SECTION 11
SCALE 3/4" = 1'-0"

NEW 3/4\"/>

NEW 2\"/>

GROUT FULL LEVEL

NEW 1\"/>

EXISTING WALL & FLOOR

NEW 2\"/>

NEW 1\"/>

1\"/>

REST NEW PANELS
ON EXISTING
FOOTING

TOP OF EXIST.
FIA VARIES



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
ALTERATION OF EXISTING CONDITIONS

DESIGN: JF APPROVED
DRAWN: SG
CHECKED: NGA
SCALE: 3/4" = 1'-0" DATE: 5-10-82

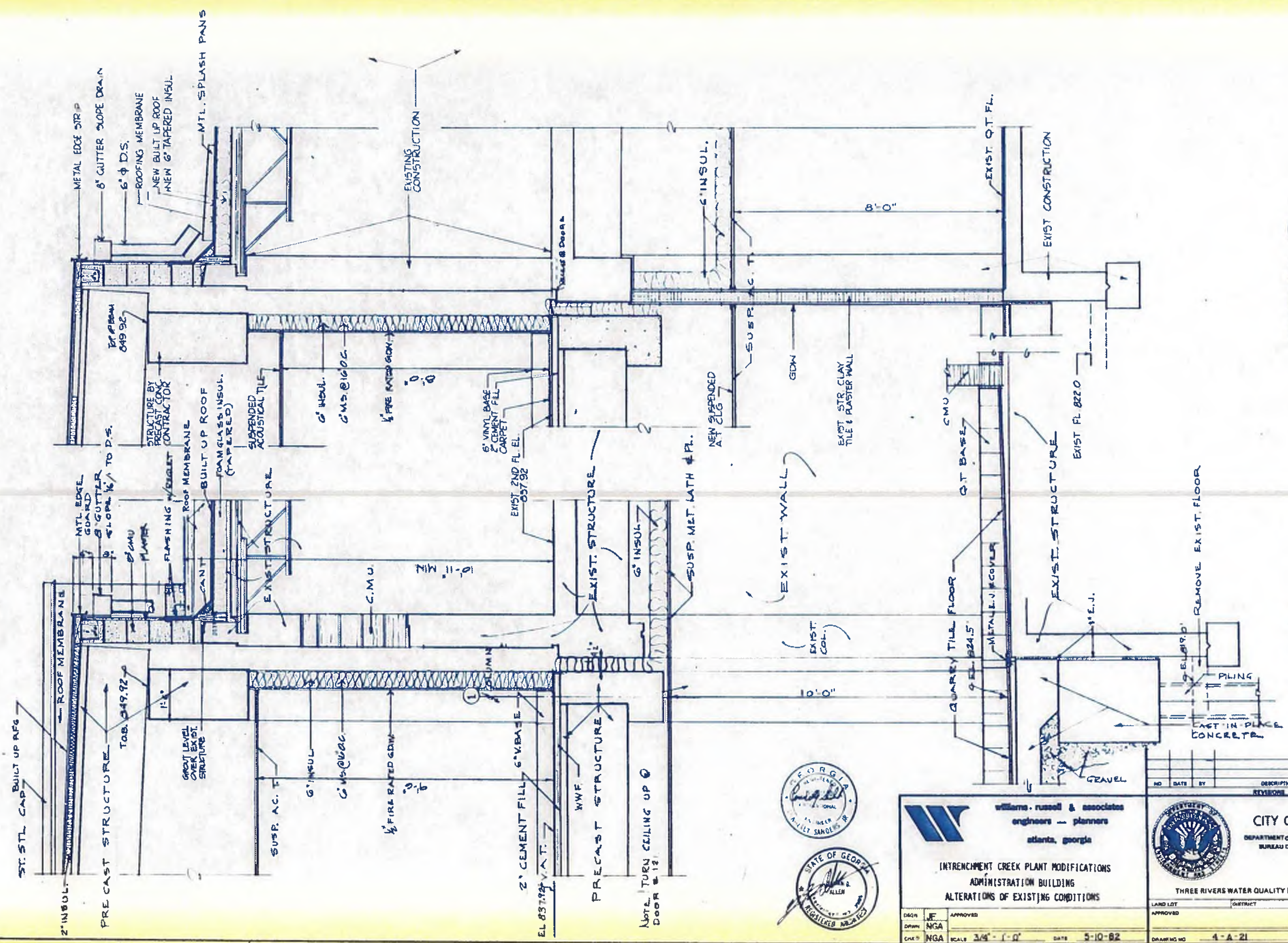
NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LIST: APPROVED DISTRICT: COUNTY: SHEET NO: **60**

DRAWING NO: 4-A-20



SECTION 9
3/4" = 1'-0"

SECTION 8
3/4" = 1'-0"



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INTRINCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
ALTERATIONS OF EXISTING CONDITIONS

DESIGN: WJR
DRAWN: NGA
CHECKED: NGA

APPROVED: [Signature]
DATE: 5-10-82

SCALE: 3/8" = 1'-0"

NO.	DATE	BY	DESCRIPTION	PLACED
			REVISIONS	

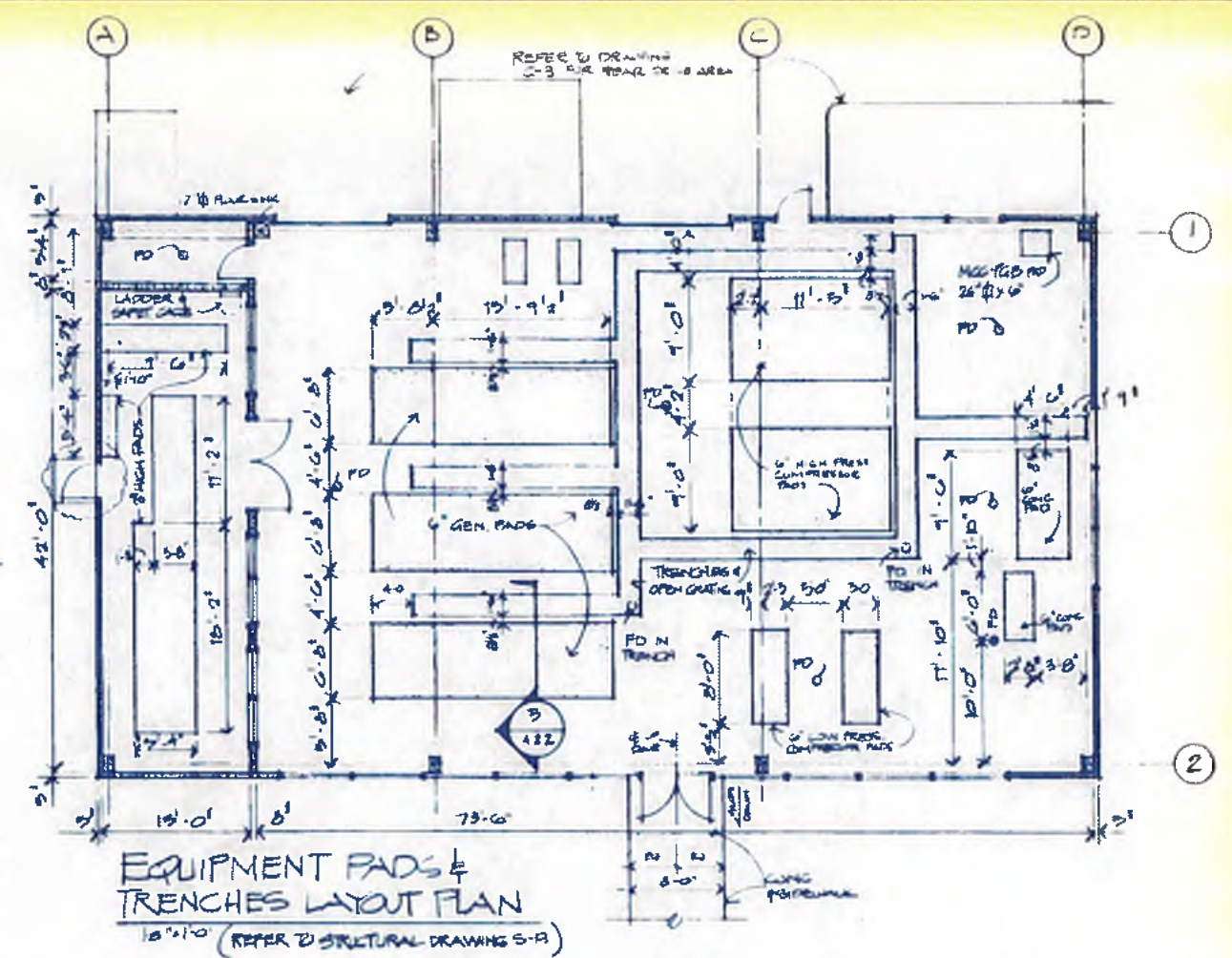
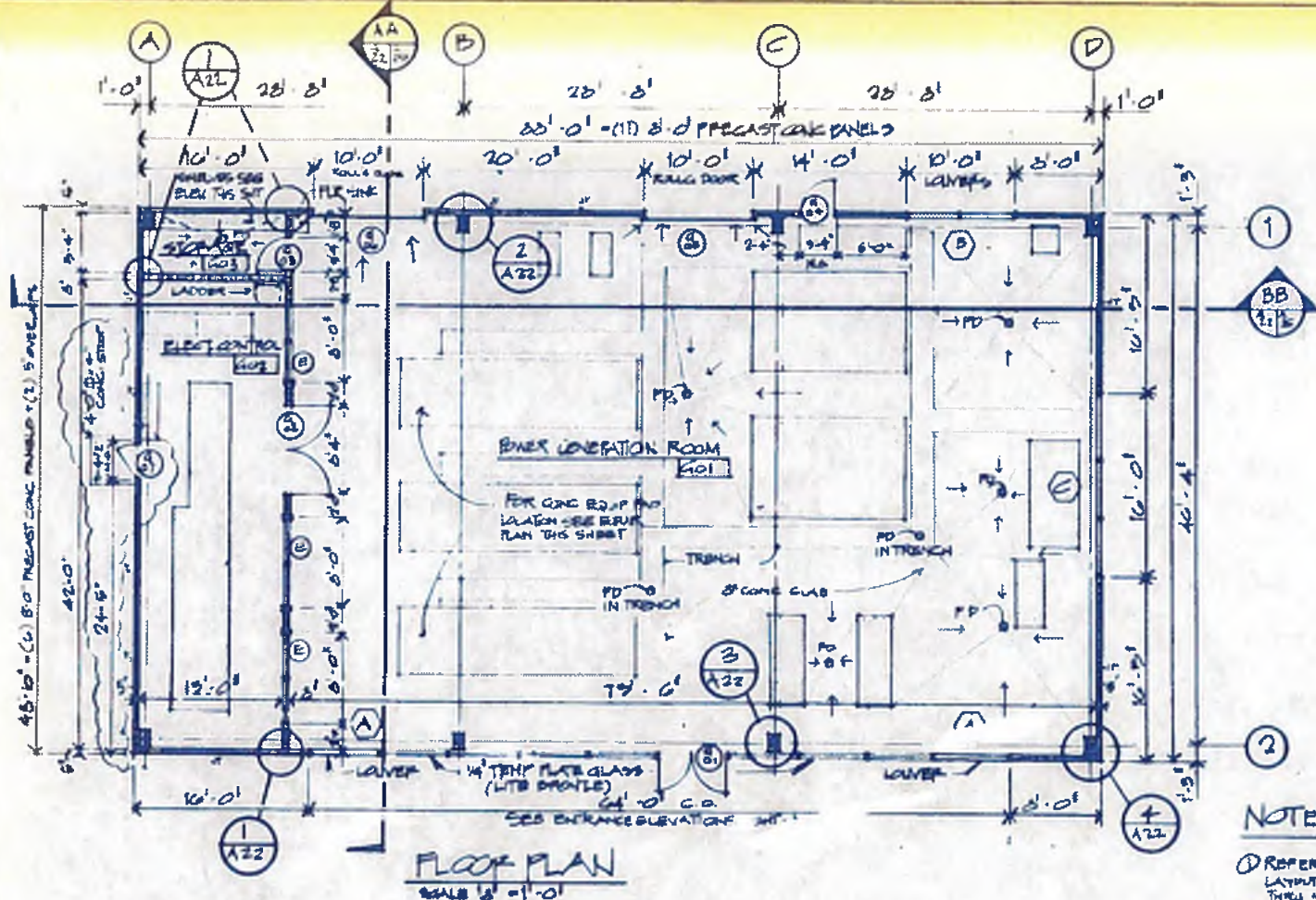
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

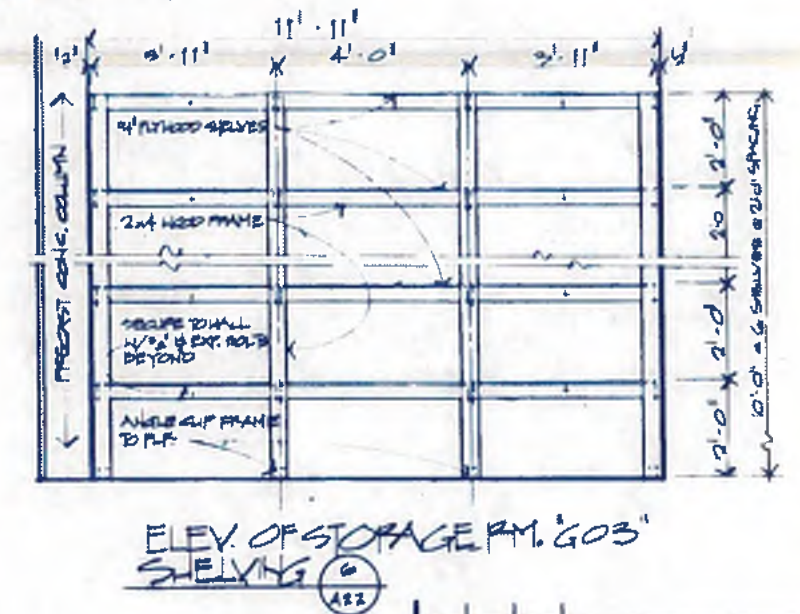
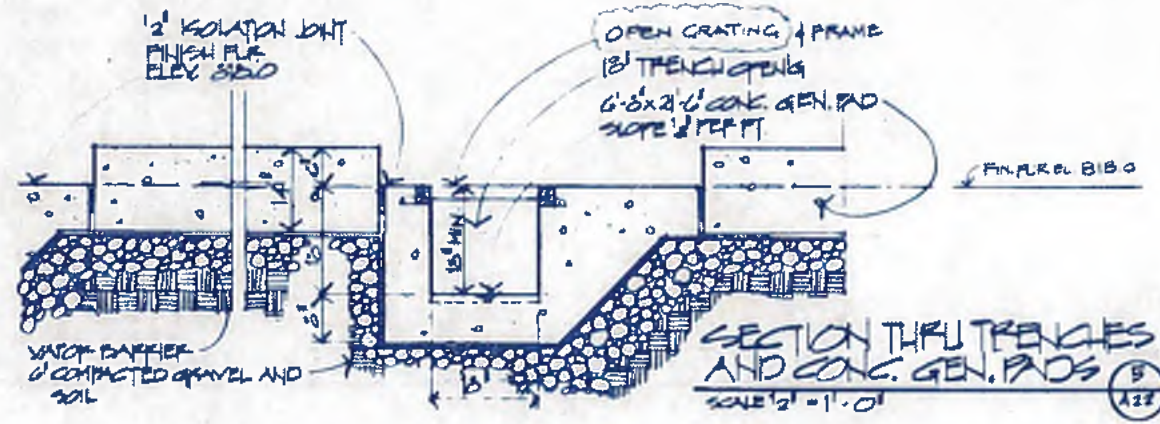
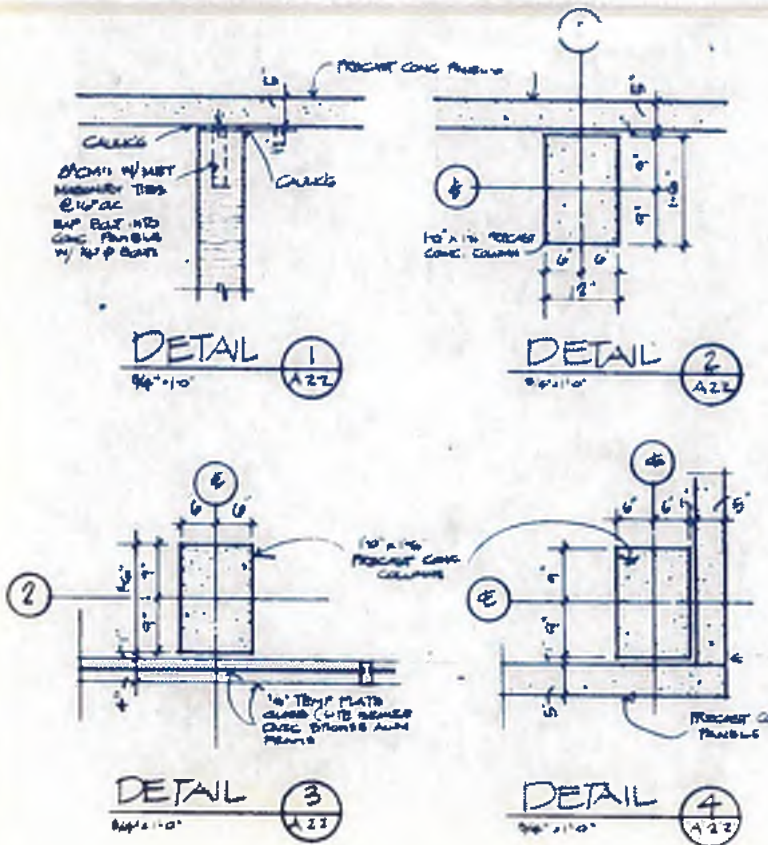
LAND LOT: [] DISTRICT: [] COUNTY: []

APPROVED: [Signature] SHEET NO: 61

DRAWING NO: 4-A-21



- NOTES:**
- REFER TO MECHANICAL FOR EQUIP LAYOUT & DETAILS - DRAWINGS M-12 THRU M-15
 - REFER TO ELECTRICAL FOR LAYOUT & DETAILS - DRAWINGS E-10 THRU E-25
 - REFER TO PLUMBING FOR LAYOUT & DETAILS - DRAWINGS P-1 & THRU P-10
- ← = SLOPE TO DRAIN



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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION BUILDING
FLOOR PLAN & EQUIPMENT PADS
TRENCHES PLAN & DETAILS - COLUMN DETAILS

DESIGN: JWF APPROVED
DRAWN: AB
CHECKED: JWF
SCALE: AS SHOWN DATE: 5-10-82

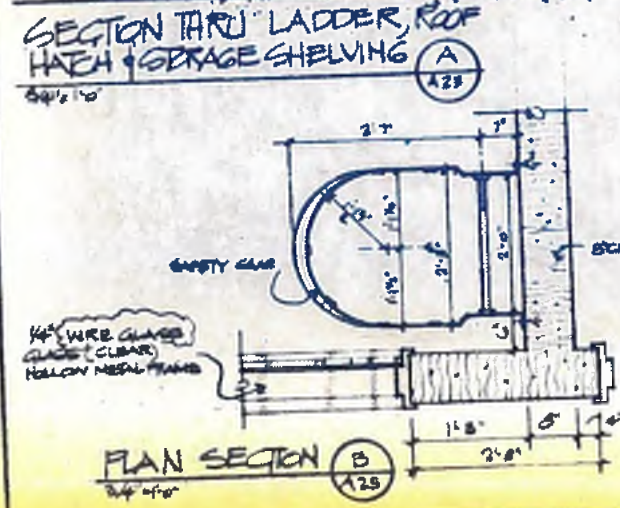
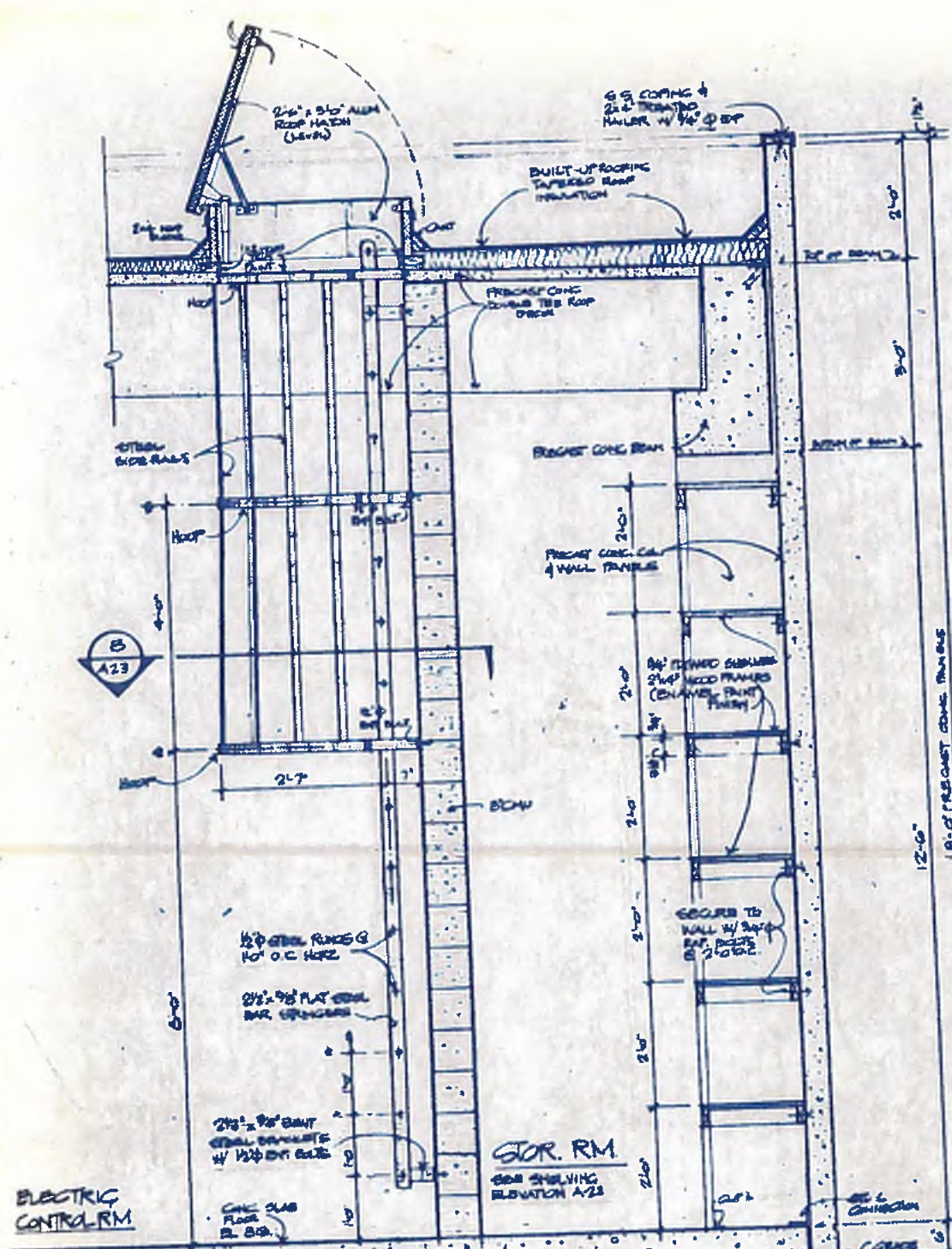
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

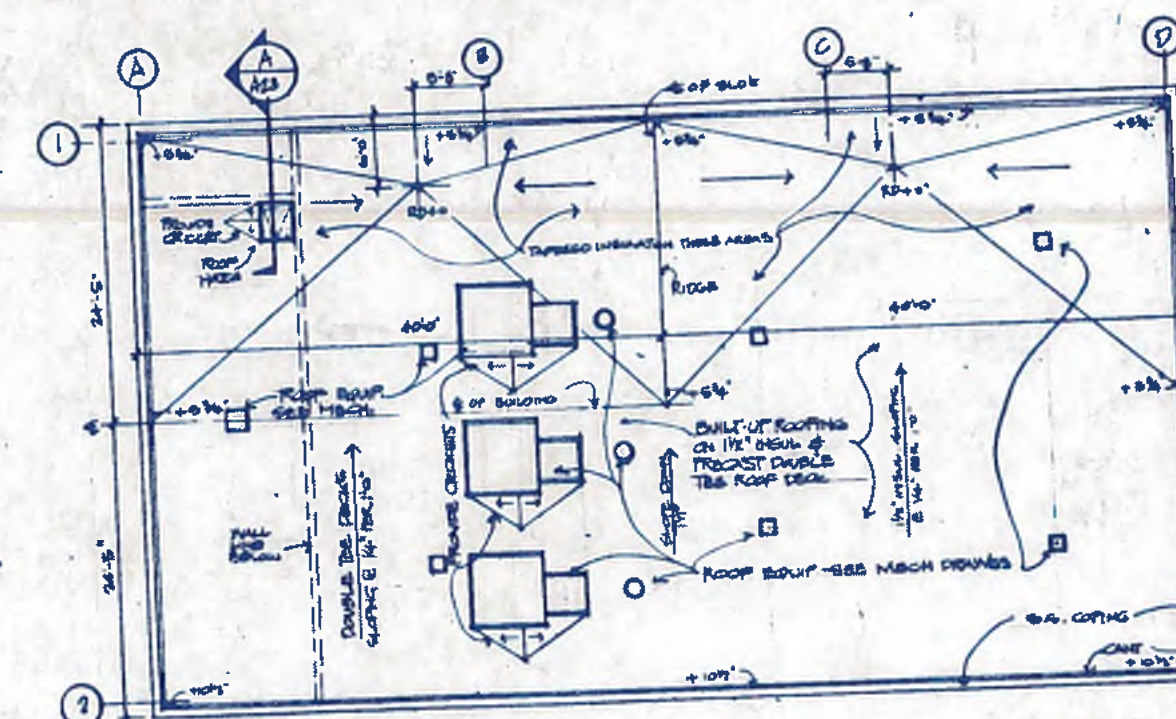
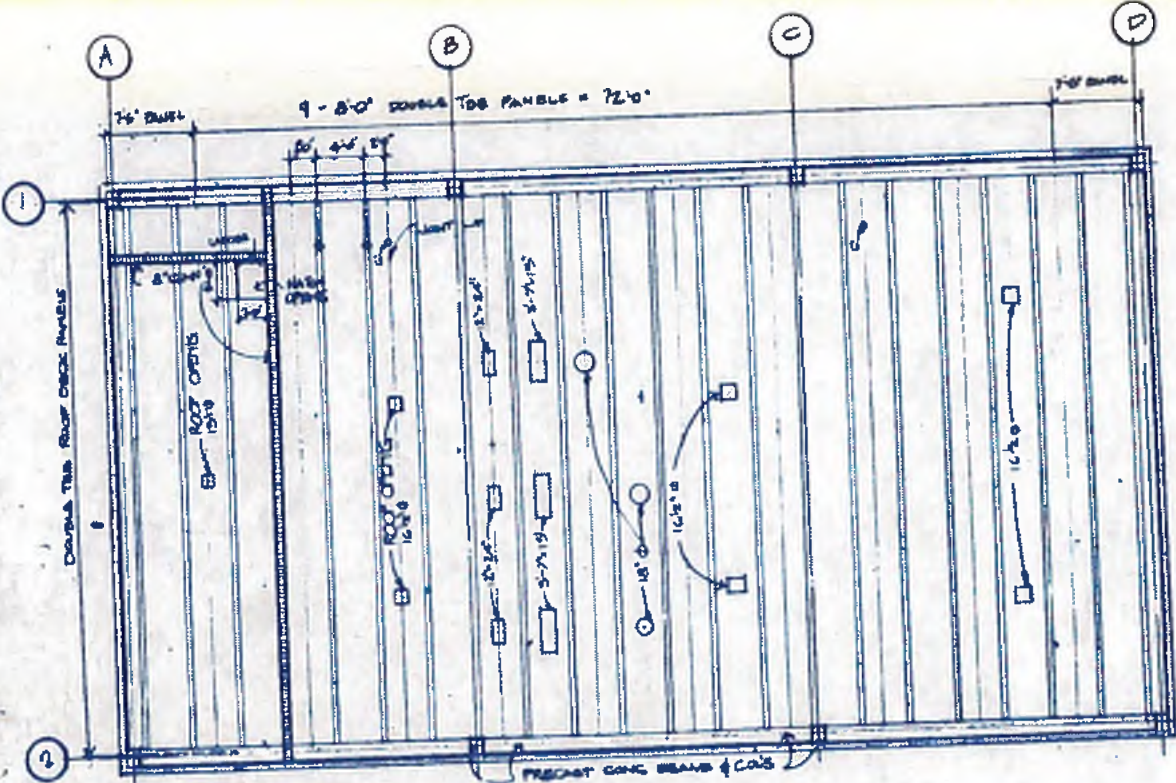
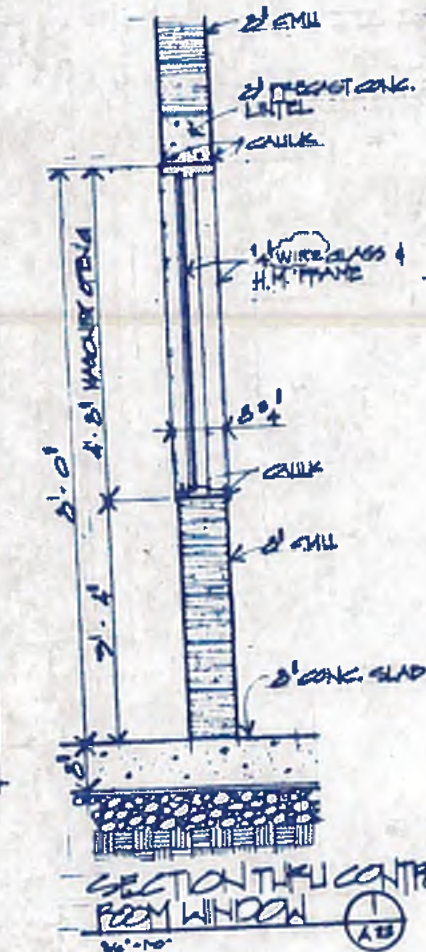
NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	

LAND LOT: APPROVED DISTRICT: COUNTY: SHEET NO. **62**

DRAWING NO. **4-A-22**



- NOTES:**
- REFER TO STRUCTURAL FOR ROOF FRAMING COL & BEAM LAYOUT/DETAILS DRAWINGS.
 - REFER TO MECHANICAL FOR ROOF EQUIP. ROOF OPENINGS LAYOUT & DETAILS - DRAWINGS.
 - REFER TO ELECTRICAL FOR LIGHTS & SWG LAYOUT/DETAILS - DRAWINGS.
 - REFER TO PLUMBING FOR LAYOUT & DETAILS - DRAWINGS.



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INTRENCHMENT CREEK PLANT MODIFICATIONS
 POWER GENERATION BUILDING
 REFLECTED CEILING PLAN, ROOF PLAN, LADDER, ROOF HATCH, STORAGE, SHELVING & WINDOW DETAILS

DATE: 5-10-82
 SCALE: AS SHOWN

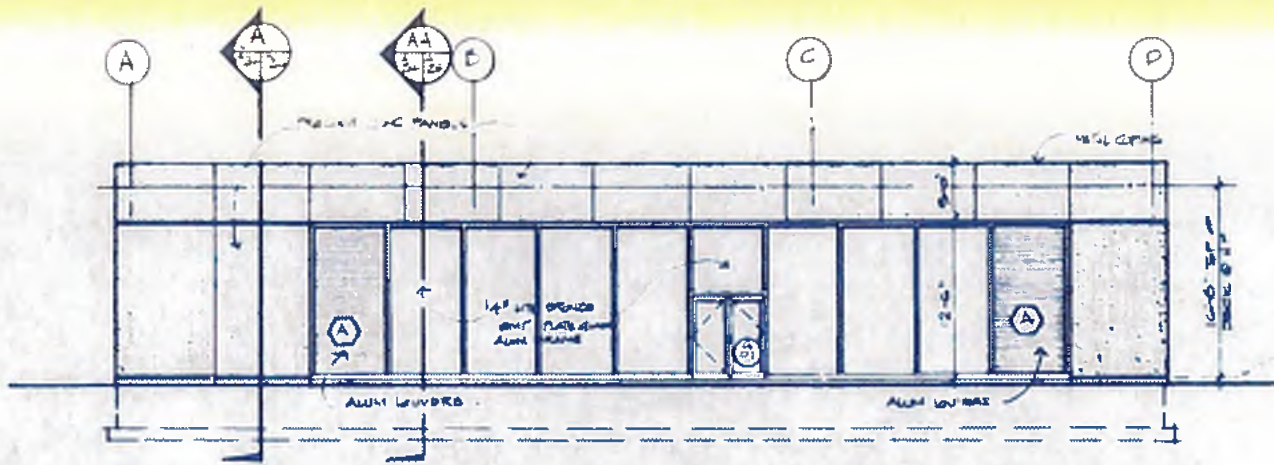
NO.	DATE	BY	DESCRIPTION	PLACE

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

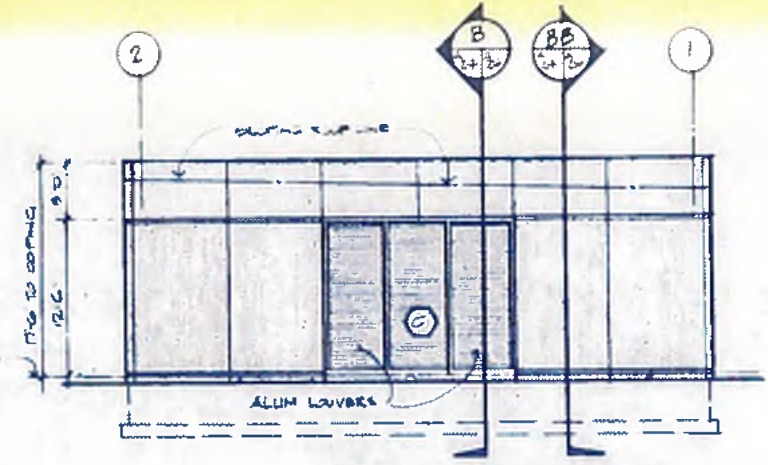
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: _____ DISTRICT: _____ COUNTY: _____ SHEET NO.: **63**

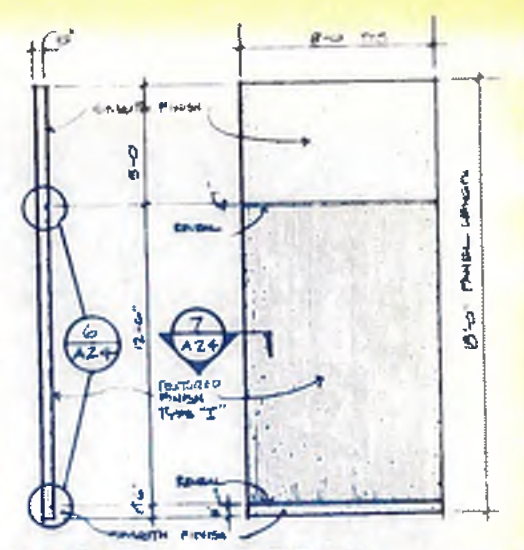
DRAWING NO.: **4-A-23**



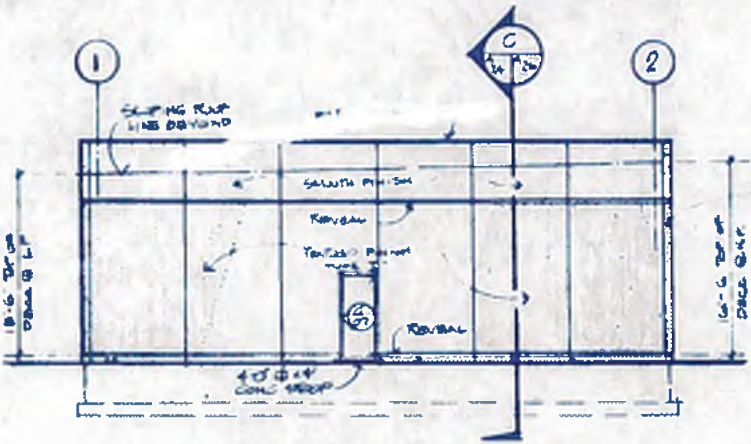
WEST ELEVATION - VIEW FROM STREET
18'-0"



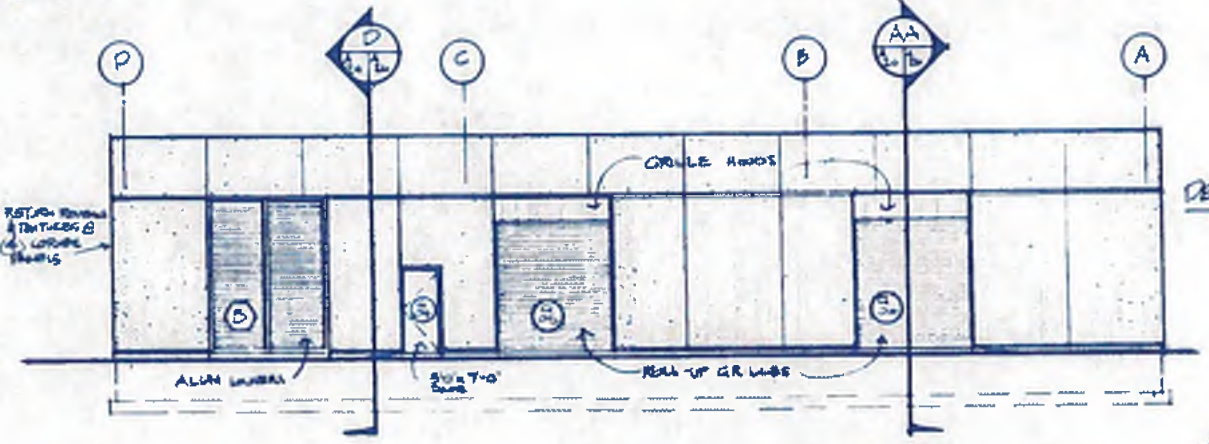
SOUTH ELEVATION
12'-0"



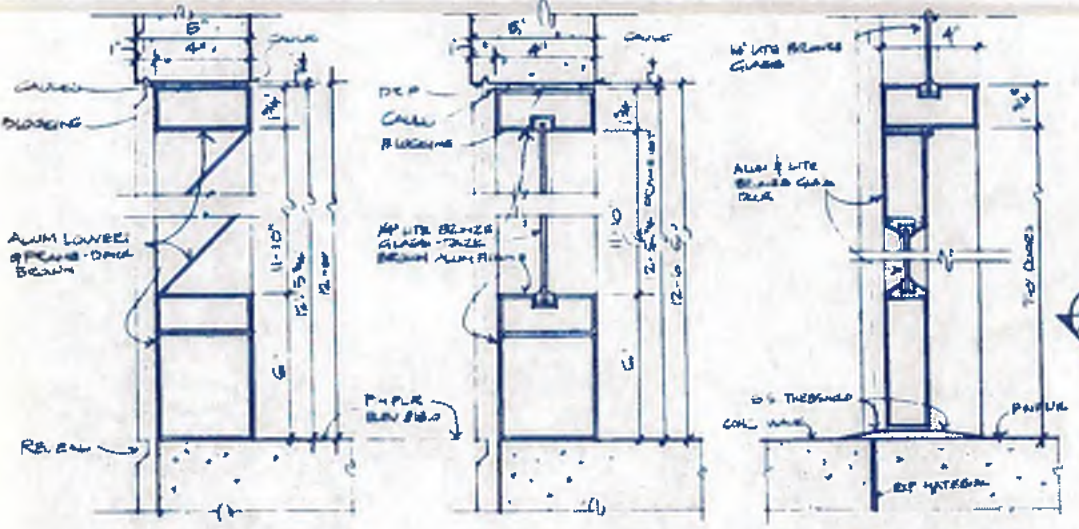
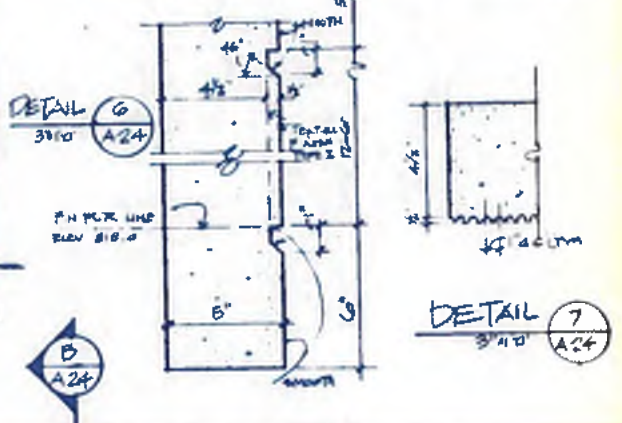
SECTION 4'-0"
TYP. PANEL ELEVATION 12'-0"



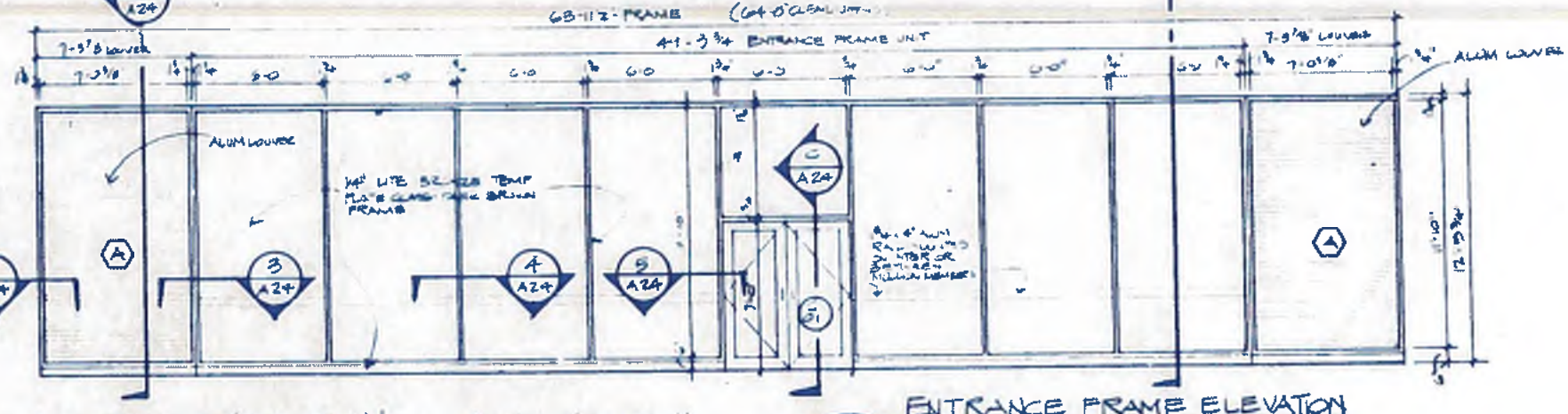
NORTH ELEVATION
18'-0"



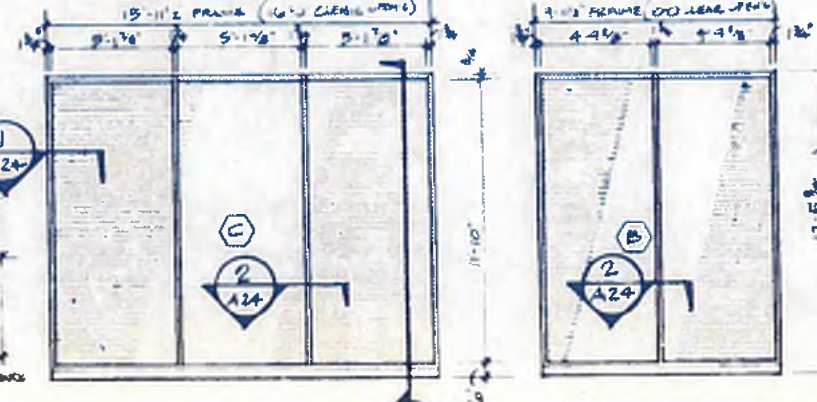
EAST ELEVATION - SERVICE
12'-0"



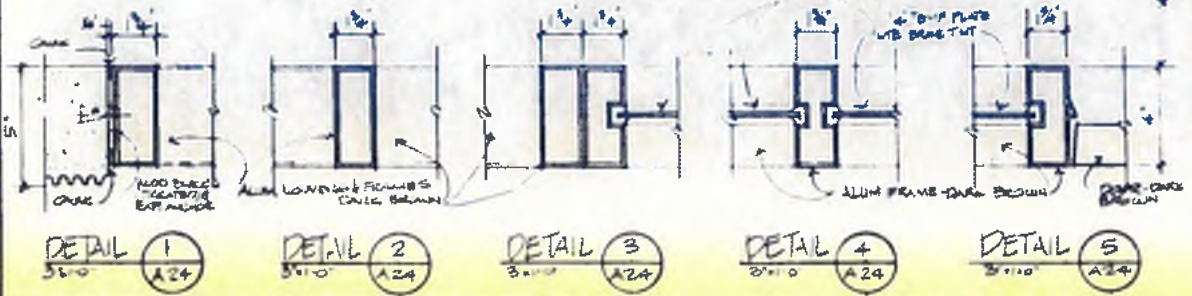
LOWER SECTION A 3'-0"
WINDOW SECTION B 3'-0"
FRONT DOOR SECTION C 3'-0 1/2"



ENTRANCE FRAME ELEVATION
12'-0"



LOUVER C 1'-0"
LOUVER D 1'-0 1/2"

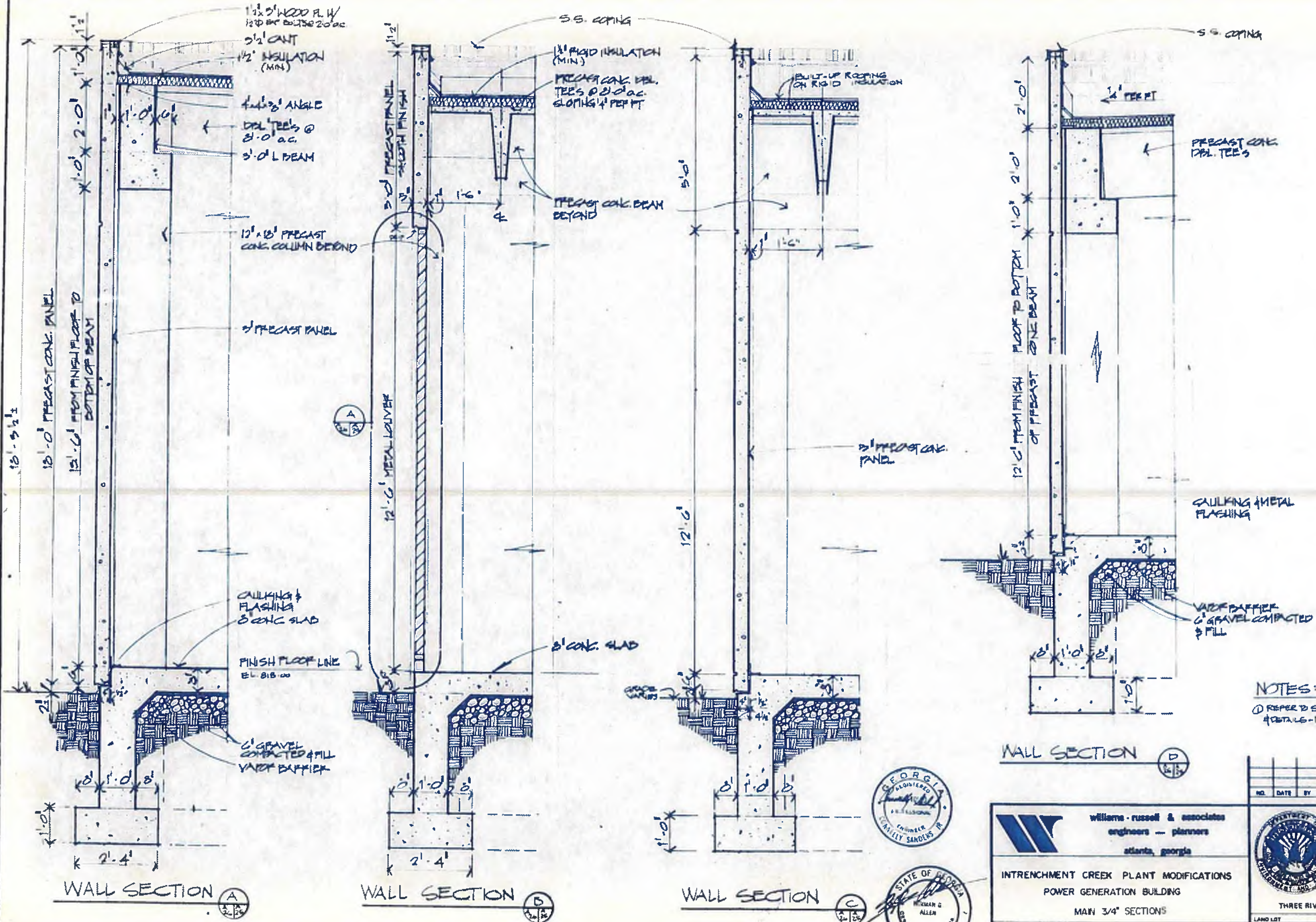


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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION BUILDING
EXTERIOR ELEVATIONS

DRGN JWF APPROVED
DRWN JWF
CHKD MAM SCALE AS SHOWN DATE 5-10-82

NO.	DATE	BY	DESCRIPTION	PLACED
REVISIONS				
CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
LAND LOT		DISTRICT		COUNTY
APPROVED		APPROVED		BY SET NO.
DRAWING NO. 4-A-24		64		



NOTES:
 1 REFER TO STRUCTURAL FOR LAYOUT & DETAILS - DRAWINGS S18 THRU S22

WALL SECTION (D)



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INTRENCHMENT CREEK PLANT MODIFICATIONS
 POWER GENERATION BUILDING
 MAIN 3/4" SECTIONS

NO.	DATE	BY	DESCRIPTION	PLACES

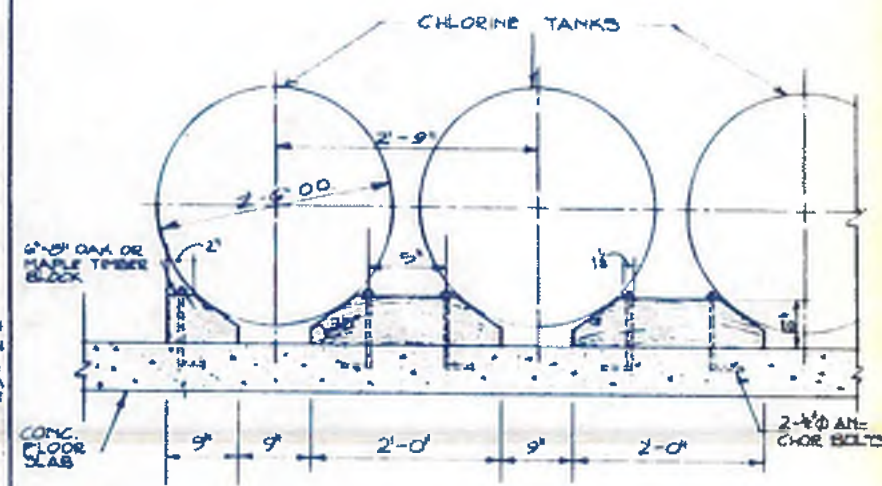
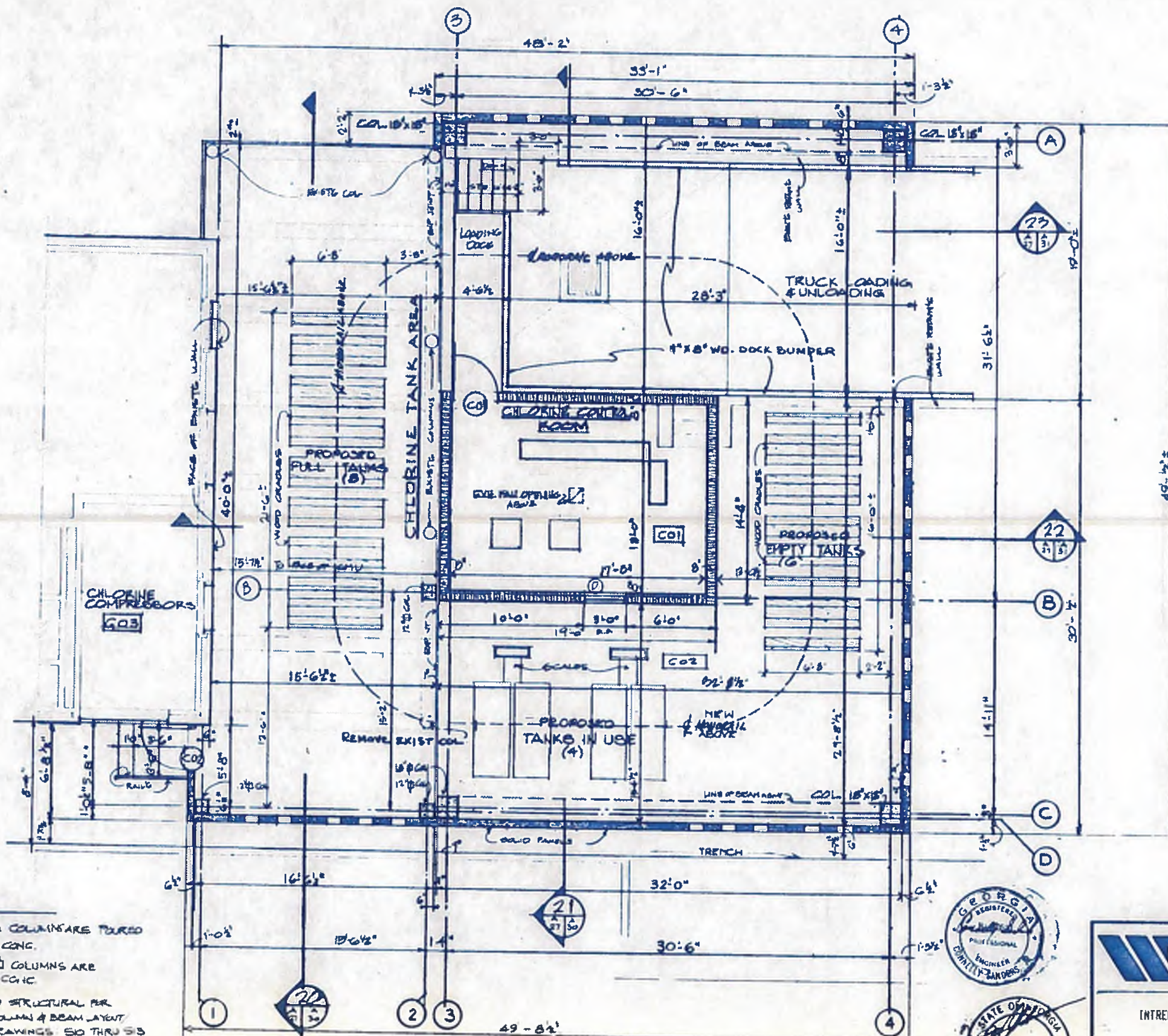
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

DRWN JWF APPROVED
 DRWN AB
 CHKO JWF SCALE AS SHOWN DATE 5-10-82

LAND LOT	DISTRICT	COUNTY	SHEET NO.

DRAWING NO. 4-A-26



DETAIL OF CHLORINE TANK CRADLE
M.T. 5 (TYPICAL)

- NOTE:**
- ① NEW 12" ϕ COLUMNS TO BE TOURS IN PLACE CONC.
 - ② NEW 15" ϕ COLUMNS ARE PRECAST CGIC
 - ③ REFER TO STRUCTURAL FRAMING COLUMNS & BEAM LAYOUT DETAILS - DRAWINGS 50 THRU 53

GROUND FLOOR PLAN
1/27/82



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INTRENCHMENT CREEK PLANT MODIFICATIONS
CHLORINE BUILDING
GROUND FLOOR PLAN AND DETAILS

ORGN	MAM	APPROVED	
DRWN	JF		
CHKD	NGA	SCALE 1/4" = 1'-0"	DATE 5-10-82

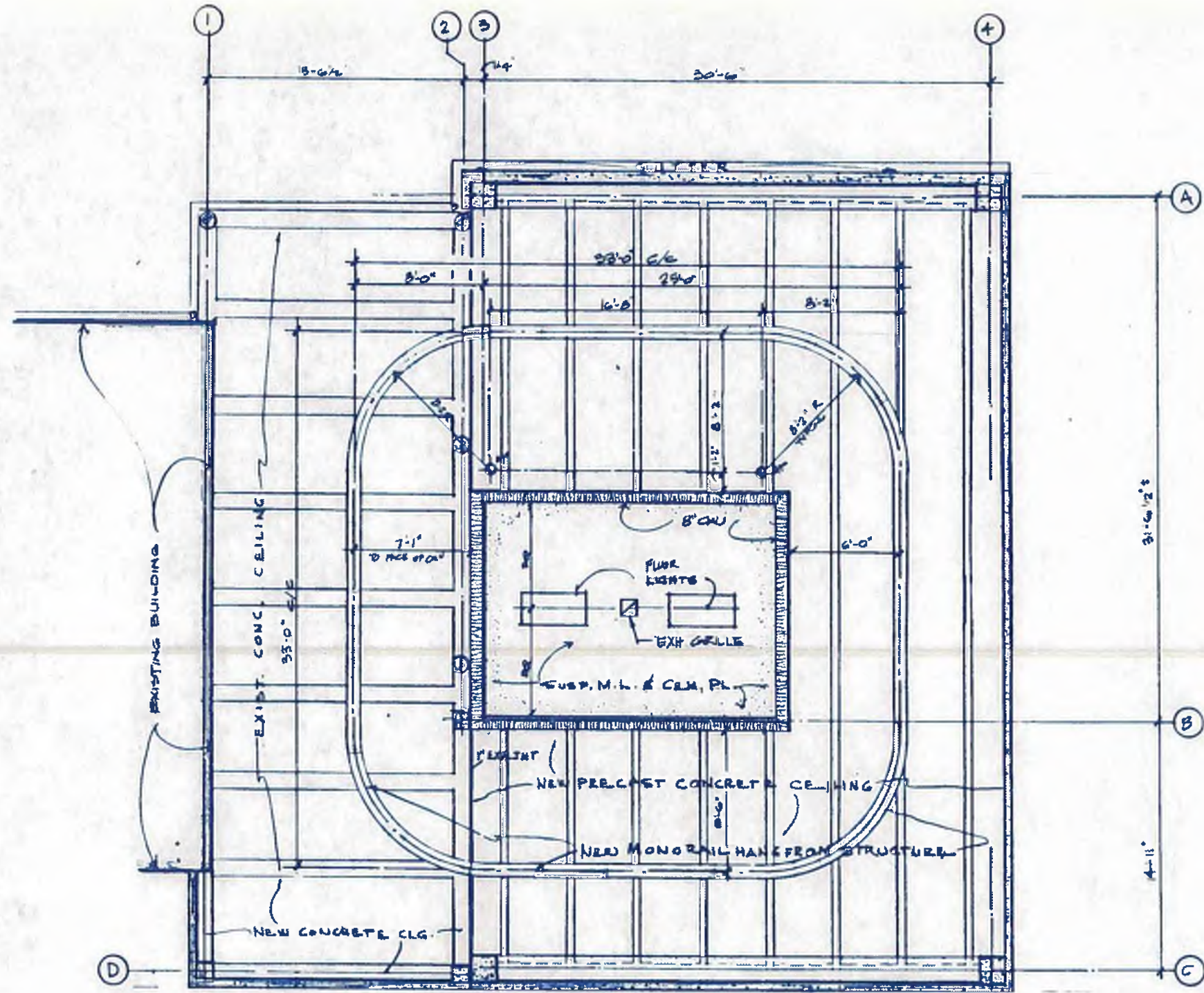
NO.	DATE	BY	DESCRIPTION	PLACES
			REVISION	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LIST	DISTRICT	COUNTY
		DEKALB

DRAWING NO. 4-A-27



NOTES:

- ① REFER TO STRUCTURAL FOR ROOF FRAMING, COL & BEAM LAYOUT/DETAILS DRAWINGS 1510 THRU 1518
- ② REFER TO MECHANICAL FOR ROOF BOV & ROOF OPENINGS LAYOUT & DETAILS - DRAWING M26
- ③ REFER TO ELECTRICAL FOR LIGHTS & BOV LAYOUT & DETAILS - DRAWINGS 1523 & 1524

REFLECTED CEILING PLAN
1/4" = 1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
CHLORINE BUILDING
REFLECTED CEILING PLAN AND DETAILS

ORGN: JF APPROVED
DRWN: NGA
CHKD: NGA
SCALE: 1/4" = 1'-0" DATE: 5-10-82

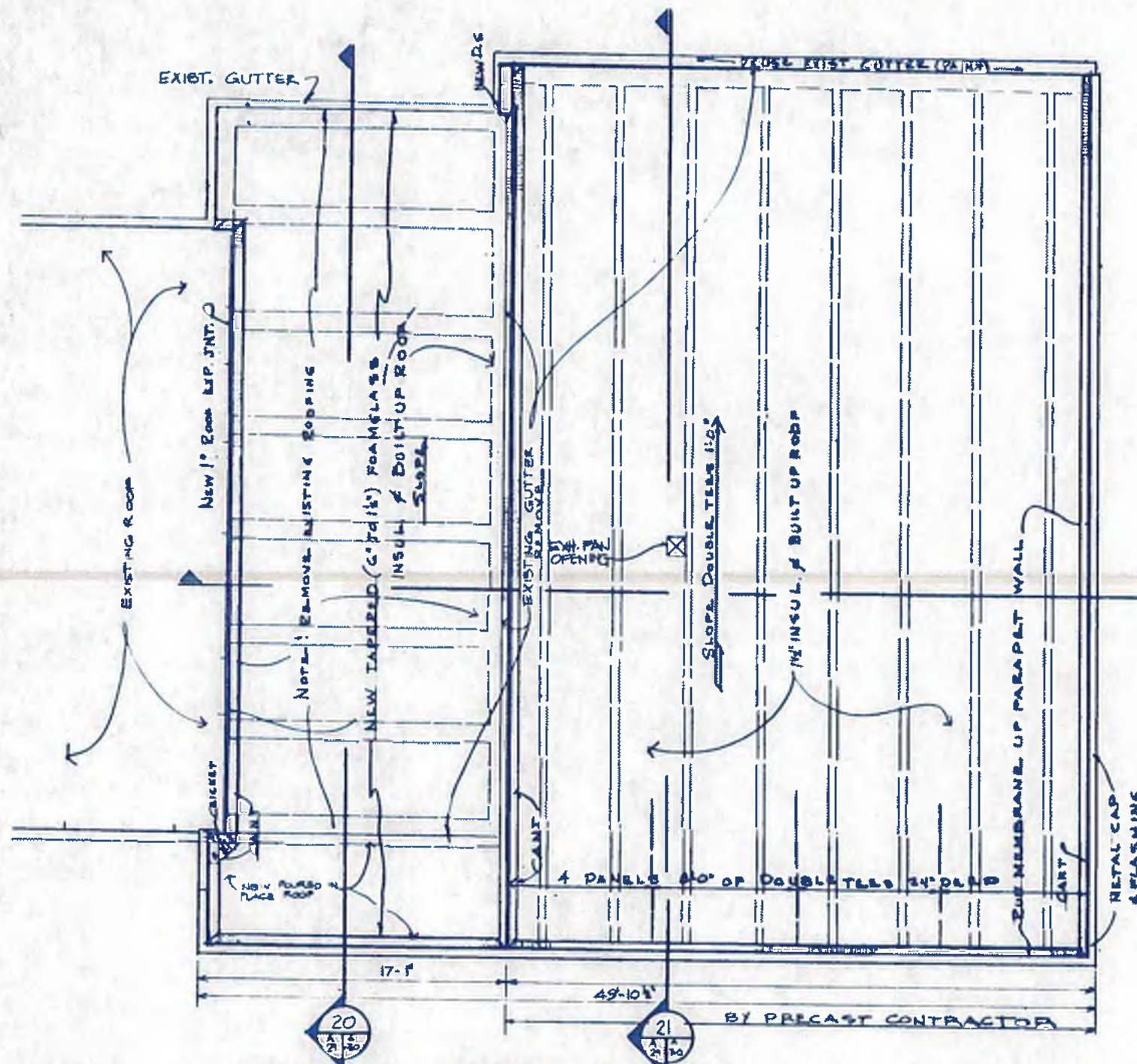
NO.	DATE	BY	DESCRIPTION	PLACED
REVISIONS				



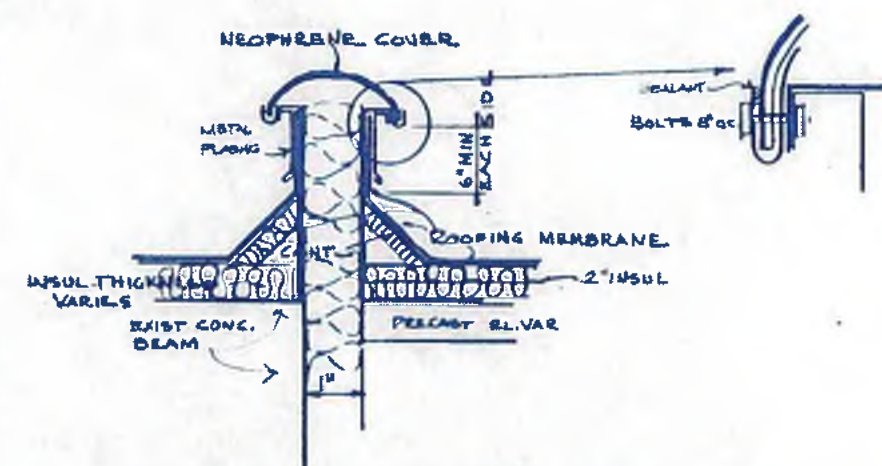
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: APPROVED DISTRICT: COUNTY: SHEET NO. **68**



ROOF PLAN & ROOF FRAMING PLAN
1/4" = 1'-0"



DETAIL OF ROOF EXPANSION JOINT
NOT TO SCALE

NOTE - ALL FRAMING ABOVE 1st FLOOR LINE SHALL BE THE RESPONSIBILITY OF THE PRECAST CONCRETE MANUFACTURER & DESIGNER EXCEPT WHERE MATERIALS ARE TO BE POURED IN PLACE.

DETAILS SHOWN ARE RECOMMENDED FOR ARCHITECTURAL DESIGN. PRECAST CONCRETE SUPPLIER SHALL BE RESPONSIBLE FOR ALL FINAL DESIGN CALCULATIONS & SIZES BUT HE WILL NOT ALTER ARCHITECTURAL DETAILS WITHOUT THE APPROVAL OF THE DESIGN ARCHITECT/ENGINEER.

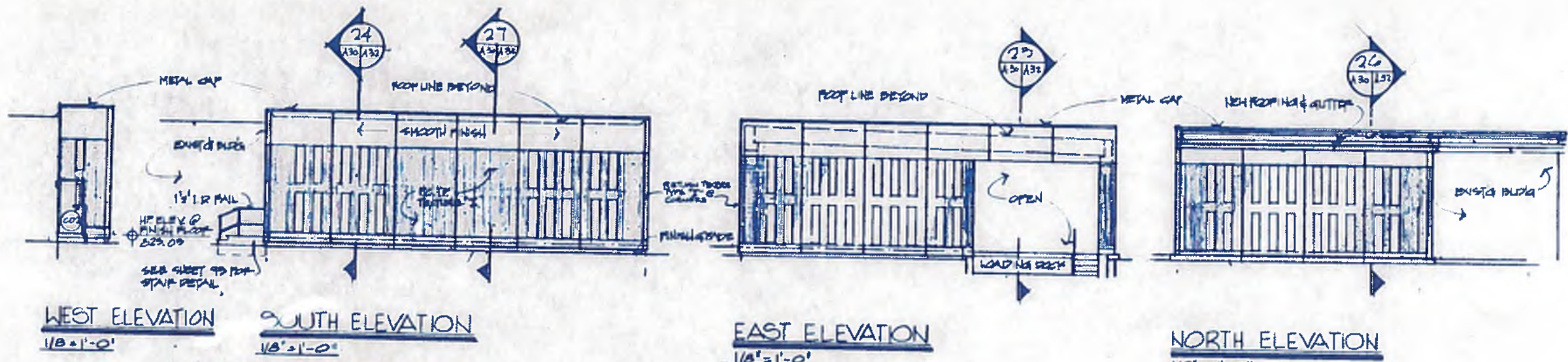


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atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
CHLORINE BUILDING
ROOF PLAN AND ROOF FRAMING PLAN

DESIGN	JF	APPROVED
DRAWN	NGA	
CHECK	NGA	

NO.	DATE	BY	DESCRIPTION	PLACE
REVISIONS				
CITY OF ATLANTA				
DEPARTMENT OF ENVIRONMENT & STREET BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND LOT	DISTRICT	COUNTY		
APPROVED			SHEET NO.	
DRAWING NO. 4-A-29			69	

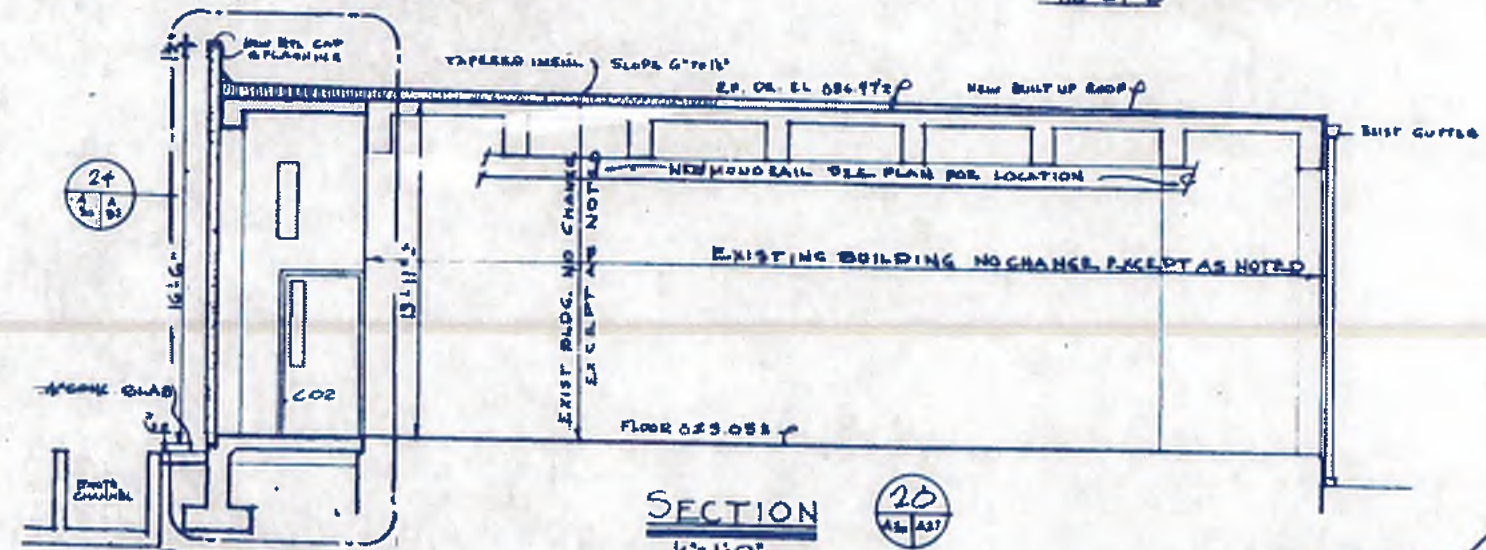


WEST ELEVATION
1/8"=1'-0"

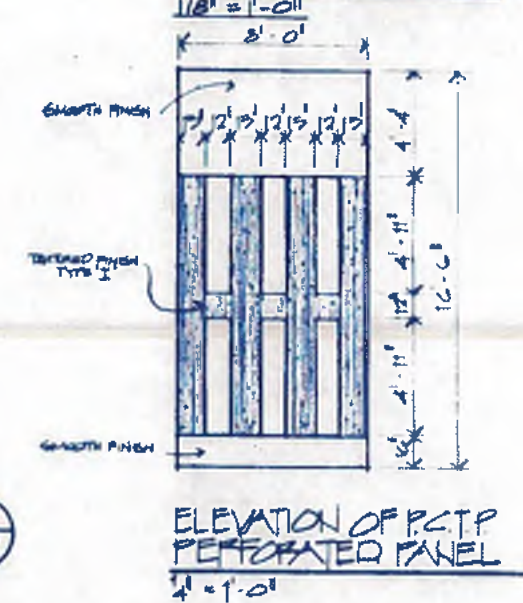
SOUTH ELEVATION
1/8"=1'-0"

EAST ELEVATION
1/8"=1'-0"

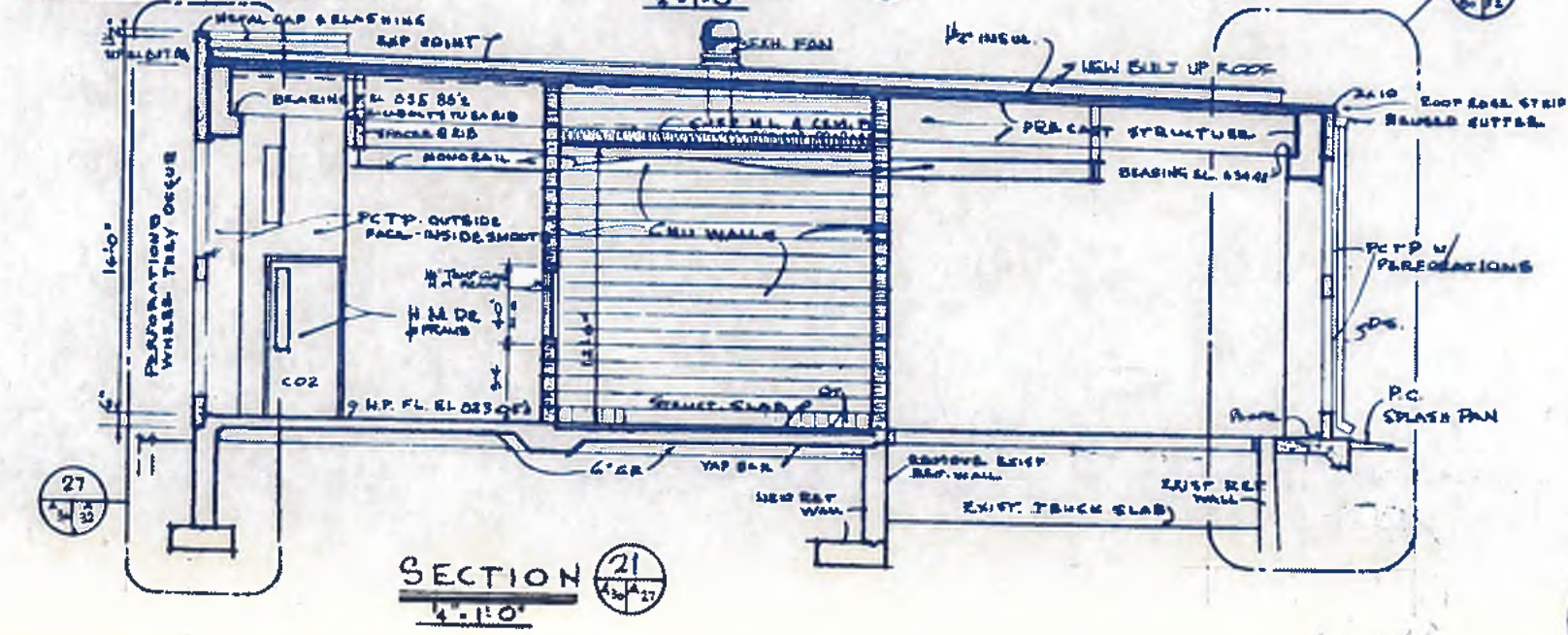
NORTH ELEVATION
1/8"=1'-0"



SECTION 20
1/4"=1'-0"



ELEVATION OF P.C.T.P. PERFORATED PANEL
1/4"=1'-0"



SECTION 21
1/4"=1'-0"



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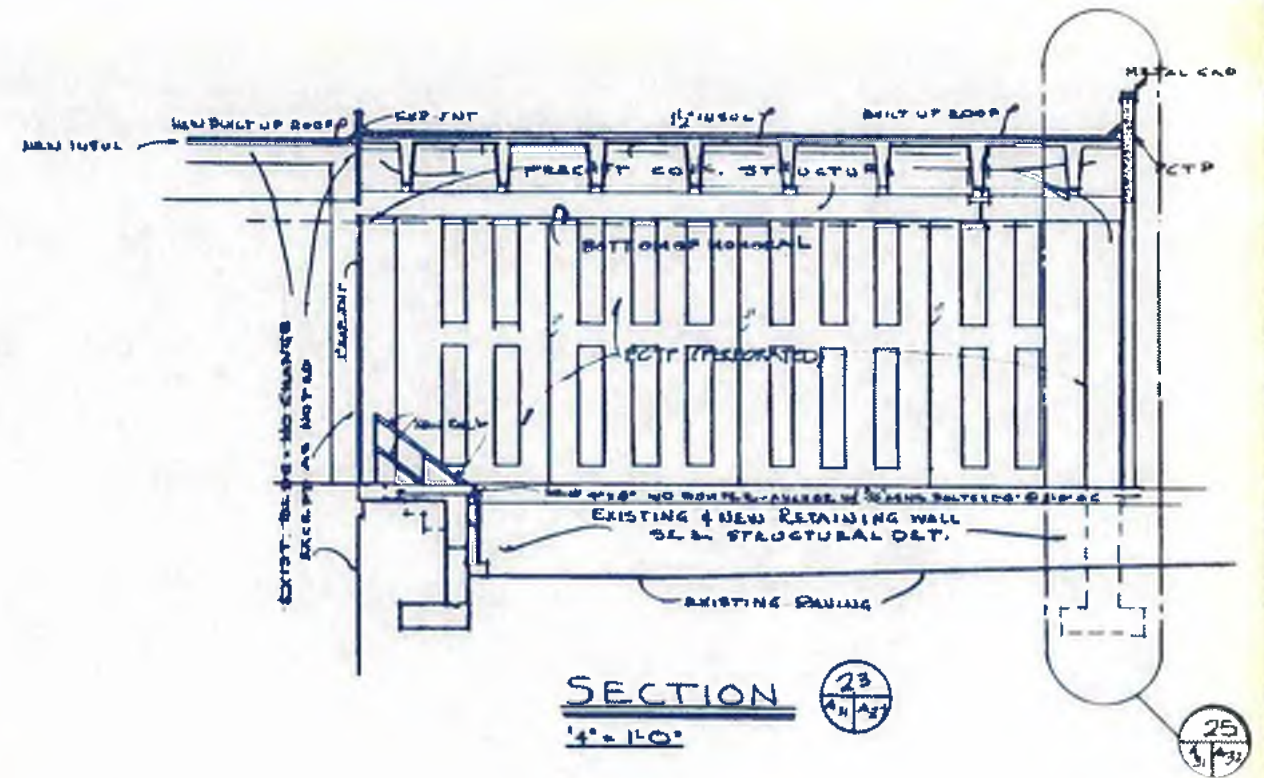
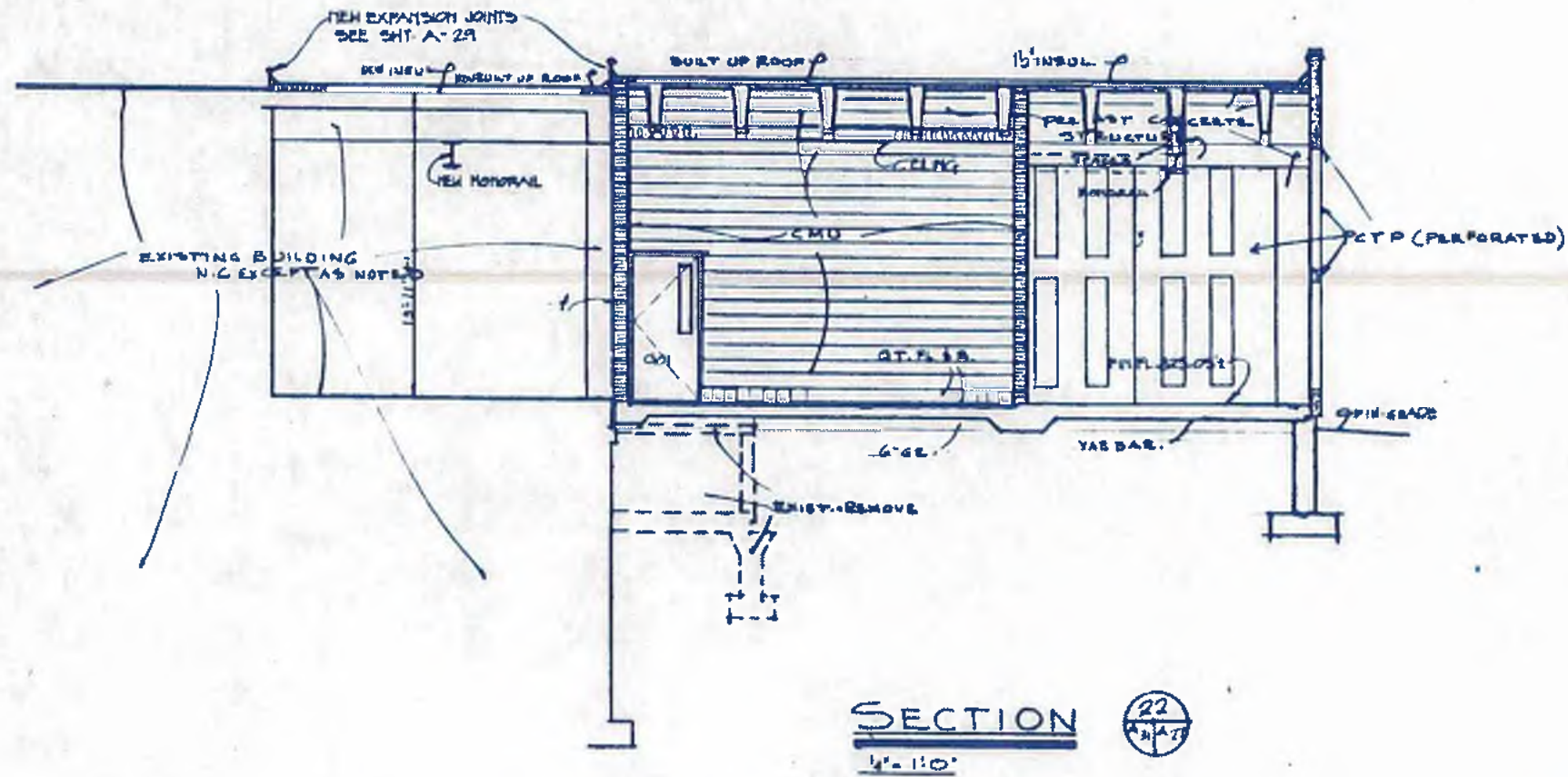
INTRENCHMENT CREEK PLANT MODIFICATIONS
CHLORINE BUILDING
ELEVATIONS AND SECTION

NO.	DATE	BY	DESCRIPTION	PLACED
			REVISION	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NO.
DRAWN	SCALE AS SHOWN	DATE 5-10-82
DRAWING NO. 4-A-30		70



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INTRENCHMENT CREEK PLANT MODIFICATIONS
CHLORINE BUILDING
1/4" SECTION AND DETAILS

ORGN: NGA APPROVED
DRWN: NGA
CHKD: NGA
SCALE: 1/4" = 1'-0" DATE: 5-10-82

NO.	DATE	BY	DESCRIPTION	PLACES

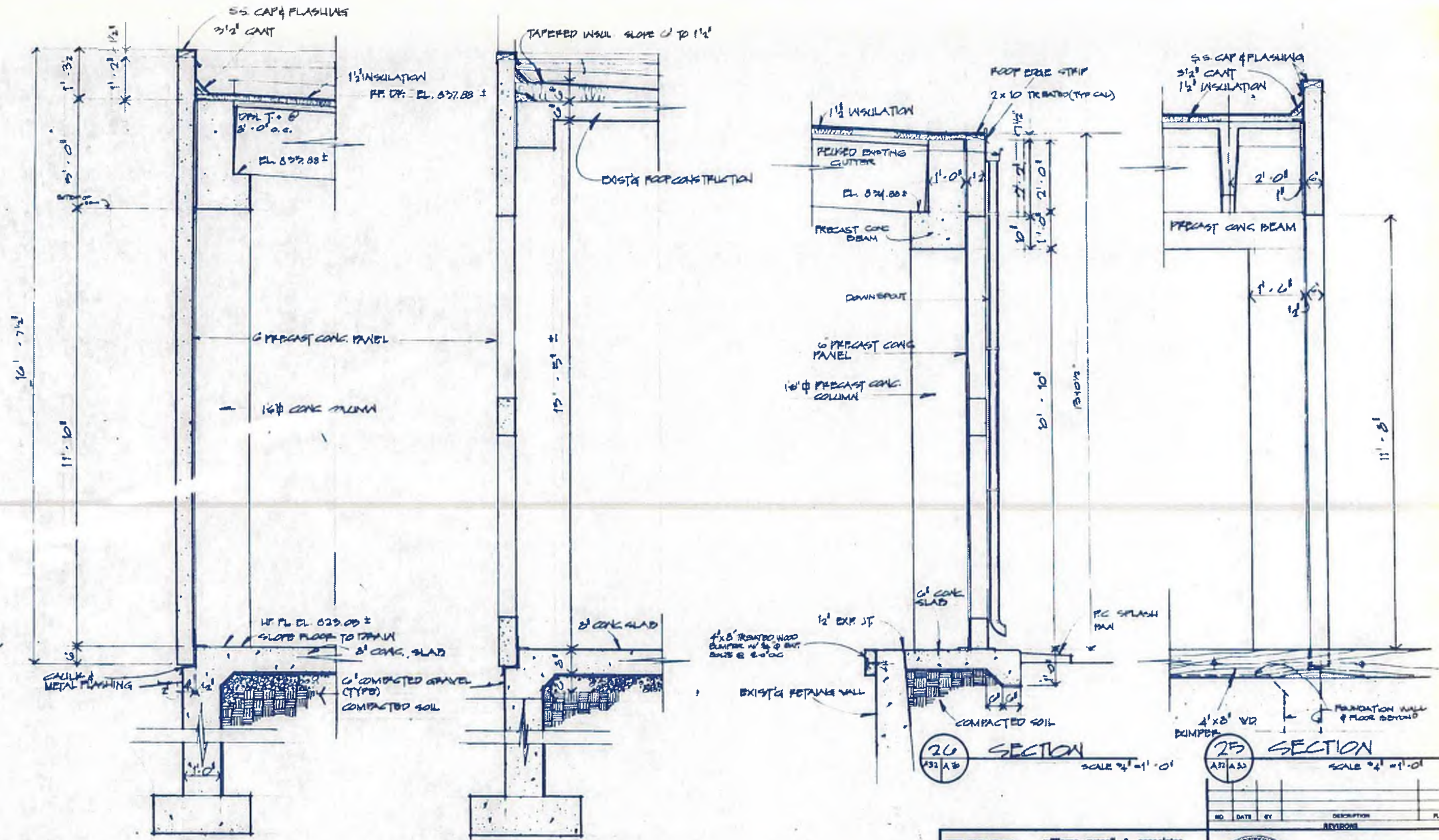
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY

APPROVED

DRAWING NO. 4-A-31 SHEET NO. 71



27 SECTION SCALE 3/4" = 1'-0"

24 SECTION SCALE 3/4" = 1'-0"

26 SECTION SCALE 3/4" = 1'-0"

25 SECTION SCALE 3/4" = 1'-0"



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INTRINCHMENT CREEK PLANT MODIFICATIONS
 CHLORINE BUILDING
 PATH 3/4" DETAILS

DRGN MAM APPROVED
 DRWN AB
 CHD NGA SCALE 3/4" = 1'-0" DATE 5-10-92

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

NO.	DATE	BY	DESCRIPTION	PLACED
REVISIONS				

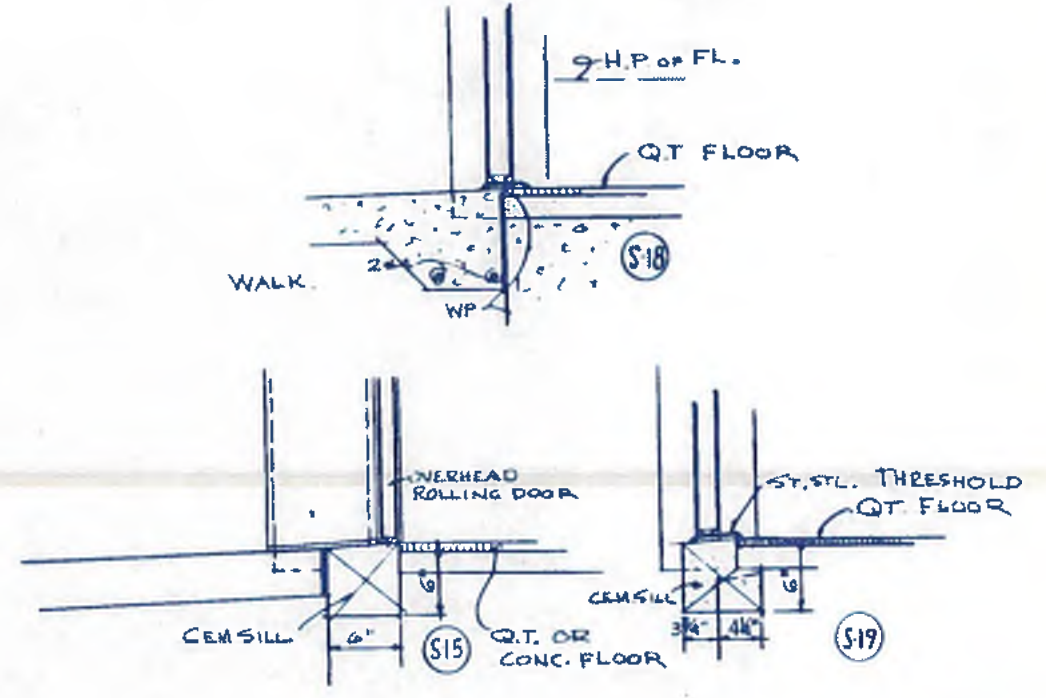
LAND LOT: OFFICER: COUNTY: SHEET NO. **72**

DRAWING NO. 4-A-32

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM TITLE	FLOOR		BASE		MANSOOTS		WALLS		CEILING		REMARKS
		MTL	FINISH	FINISH	FINISH	MTL	FINISH	MTL	FINISH	MTL	HGT	
ADMINISTRATION BUILDING												
101	LOBBY	CONC	8" QT	QT	PRECAST B. CMU	PREC AS IS	PREC AS IS	PREC AS IS	PAINT	SUSP ACT	8'-0"	SEE DETAILS, PAINT CMU VINYL STRINGER AT WALLS PAINT METAL RAILINGS - SEE DETAIL - CAR & DOOR FINISHES BY ELEVATOR CONTRACTOR - SEE DETAIL EQUIPMENT BY ELEVATOR CONTRACTOR
102	STAIR	STL & CONC	VTR BRS VAT	VINYL	CMU & CONC	PAINT	PAINT	PAINT	PAINT	STL & CONC	VARIES	
103	ELEVATOR	CONC PIT			CMU	CMU	CMU	HG PAINT	PAINT	CONC		
104	ELEVATOR EQPT.	CONC	VAT	8" VINYL	CMU	HG PAINT	CMU	HG PAINT	PAINT	CONC		
105	ELEVATOR	CONC	QT SLOPED	8" QT	CMU & CONC	HG PAINT	CMU & CONC	HG PAINT	PAINT	CEM PLAS	11'-1"	
106	PUMP ROOM	CONC	VAT	8" VINYL	PREL & CAL	PAINT	PREL & CAL	PAINT	PAINT	SUSP ACT	8'-0"	
107	STORAGE	CONC	QT	8" C.T.	PREL & CMU	C.T.	PREL & CMU	C.T.	PAINT	SUSP ACT	8'-0"	8" HIGH QT CURB COVERED SIDES & TOP, GRAB BAR BY FAUCET
108	WASH-OFF ROOM	CONC	QT	8" QT	CMU - GWB	PAINT	CMU - GWB	PAINT	PAINT	SUSP ACT	8'-0"	LOCKERS & BASE
109	CLEAN-UP ROOM	CONC	QT	8" QT	PREC	REQUIRE EXISTING MATCH	PATCH AS REQ'D EXIST & MATCH EXIST	REQUIRE EXISTING MATCH	REQUIRE EXISTING MATCH	SUPERIMPOSED CEM PLASTER	8'-0"	REPLACE & PATCH EXIST. UNDES. ROOMS
110	EXIST LUNCH ROOM	N.C.	QT	8" QT	CMU	REQUIRE EXISTING MATCH	PATCH AS REQ'D EXIST & MATCH EXIST	REQUIRE EXISTING MATCH	REQUIRE EXISTING MATCH	SUPERIMPOSED CEM PLASTER	8'-0"	PATCH AS REQ'D FOR WALLS & FLOOR NEW CLG
111	PASSAGE	EXIST CONC	QT	8" QT	CMU	REQUIRE EXISTING MATCH	PATCH AS REQ'D EXIST & MATCH EXIST	REQUIRE EXISTING MATCH	REQUIRE EXISTING MATCH	SUPERIMPOSED CEM PLASTER	8'-0"	
112	WOMEN'S LKR ROOM	EXIST CONC	QT	8" QT	CMU	REQUIRE EXISTING MATCH	PATCH AS REQ'D EXIST & MATCH EXIST	REQUIRE EXISTING MATCH	REQUIRE EXISTING MATCH	SUPERIMPOSED CEM PLASTER	8'-0"	
113	WOMEN'S SHOWER	EXIST CONC	QT	8" QT	CMU	REQUIRE EXISTING MATCH	PATCH AS REQ'D EXIST & MATCH EXIST	REQUIRE EXISTING MATCH	REQUIRE EXISTING MATCH	SUPERIMPOSED CEM PLASTER	8'-0"	
114	WOMEN'S TOILET	EXIST CONC	QT	8" QT	CMU	REQUIRE EXISTING MATCH	PATCH AS REQ'D EXIST & MATCH EXIST	REQUIRE EXISTING MATCH	REQUIRE EXISTING MATCH	SUPERIMPOSED CEM PLASTER	8'-0"	
115	MECH AND ELEC	EXIST CONC	QT	8" QT	CMU	REQUIRE EXISTING MATCH	PATCH AS REQ'D EXIST & MATCH EXIST	REQUIRE EXISTING MATCH	REQUIRE EXISTING MATCH	SUPERIMPOSED CEM PLASTER	8'-0"	REMOVE EXIST WALLS AND CLG WHERE SHOWN
116	MEW'S TOILET	EXIST CONC AND QT	NEW QT SLOPED	NEW QT (8")	EXIST & CMU	HG PAINT	EXIST & CMU	HG PAINT	HG PAINT	SUSP CEM PLAS	8'-0"	NEW FINISHES UNCLIPPED REQUIREMENTS
117	MEW'S SHOWER	EXIST CONC AND QT	NEW QT (8")	NEW QT (8")	EXIST & CMU	HG PAINT	EXIST & CMU	HG PAINT	HG PAINT	SUSP CEM PLAS	8'-0"	
118	MEW'S DRYING	EXIST CONC AND QT	NEW QT (8")	NEW QT (8")	EXIST & CMU	HG PAINT	EXIST & CMU	HG PAINT	HG PAINT	SUSP CEM PLAS	8'-0"	
119	MEW'S LKR ROOM	EXIST CONC AND QT	NEW QT (8")	NEW QT (8")	EXIST & CMU	HG PAINT	EXIST & CMU	HG PAINT	HG PAINT	SUSP CEM PLAS	8'-0"	CEM. AND QT BASES - LOCKERS
120	JANITOR	EXIST CONC	QT SLOPE	8" QT	CMU	HG PAINT	CMU	HG PAINT	HG PAINT	SUSP CEM PLAS	8'-0"	SHELVING AND MOP RACK
121	HANDICAPPED WOMEN'S TOILET	EXIST CONC	QT SLOPE	8" QT	CMU	HG PAINT	CMU	HG PAINT	HG PAINT	SUSP CEM PLAS	8'-0"	NEW PARTITIONS - TLT PARTITION AND FINISHES, HANDICAPPED REQUIREMENTS
122	ENTRY	EXIST CONC	QT SLOPE	8" QT	CMU & CONC	HG PAINT	CMU & CONC	HG PAINT	HG PAINT	SUSP CEM PLAS	8'-0"	BASES FOR EQUIPMENT
123	POLYMER ROOM	CONC	CRPT	8" VINYL	CMU & CONC	HG PAINT	CMU & CONC	HG PAINT	HG PAINT	SUSP CEM PLAS	8'-0"	VINYL STRINGER AT WALLS, PAINT MET-RAIL CAB AND DOOR FINISHES BY ELEVATOR CONTRACTOR
201	LOBBY	CONC	VTR AND RS	8" VINYL	GWB	PAINT	GWB	PAINT	PAINT	CONC.		
202	STAIR	STL AND CONC	VAT	8" VINYL	CMU	PAINT	CMU	PAINT	PAINT	STL AND CONC	VAR	
203	ELEVATOR	CONC	CRPT	8" VINYL	CMU	PAINT	CMU	PAINT	PAINT	SUSP ACT 2x2	8'-0"	
204	SUPERINTENDENT	CONC	CRPT	8" VINYL	GWB	PAINT	GWB	PAINT	PAINT	SUSP ACT 2x2	8'-0"	
205	ASSISTANT SUPERINTENDENT	CONC	CRPT	8" VINYL	GWB	PAINT	GWB	PAINT	PAINT	SUSP ACT 2x2	8'-0"	
206	CLERK AND STORAGE	CONC	CRPT	8" VINYL	GWB	PAINT	GWB	PAINT	PAINT	SUSP ACT 2x2	8'-0"	
207	WAITING	CONC	CRPT	8" VINYL	GWB	PAINT	GWB	PAINT	PAINT	SUSP ACT 2x2	8'-0"	
208	JANITOR	CONC	QT SLOPE	8" QT	CMU	HG PAINT	CMU	HG PAINT	HG PAINT	SUSP CEM PLAS	8'-0"	SEE DETAIL HANDICAPPED REQUIREMENTS
209	MEN'S TOILET	EXIST CONC	QT	8" VINYL	CT	VAR	CT	VAR	VAR	SUSP ACT 2x2	8'-0"	
210	COMPUTER ROOM	CONC	CRPT	8" VINYL	GWB	PAINT	GWB	PAINT	PAINT	SUSP ACT 2x2	8'-0"	
211	STORAGE	CONC	VAT	8" VINYL	GWB-CMU	PAINT	GWB-CMU	PAINT	PAINT	SUSP ACT 2x2	8'-0"	
212	STORAGE	CONC	VAT	8" VINYL	GWB-CMU	PAINT	GWB-CMU	PAINT	PAINT	SUSP ACT 2x2	8'-0"	
213	MACHINE SHOP	CONC	VAT	8" VINYL	GWB-CMU	PAINT	GWB-CMU	PAINT	PAINT	SUSP ACT 2x2	8'-0"	
214	STORAGE	CONC	VAT	8" VINYL	GWB-CMU	PAINT	GWB-CMU	PAINT	PAINT	SUSP ACT 2x2	8'-0"	
215	STORAGE	CONC	VAT	8" VINYL	GWB-CMU	PAINT	GWB-CMU	PAINT	PAINT	SUSP ACT 2x2	8'-0"	

NOTE:
 RECESS ALL NEW CONCRETE FLOORS UNDER NEW QUARRY TILE FLOORS OR BUILD UP NEW QUARRY TILE FLOORS OVER EXISTING CONCRETE TO SLOPE TO DRAINS. SEE DETAILS THROUGHOUT DRAWINGS.



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INTRINCHMENT CREEK PLANT MODIFICATIONS
 ARCHITECTURAL
 ROOM FINISH SCHEDULE AND DETAILS

DATE: 5-10-82
 SCALE: NO SCALE

NO. 412 DATE: JWP BY: REVISED FIN. SCHEDULE PLACE: ADD NO. 3

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREET
 BUREAU OF POLLUTION CONTROL

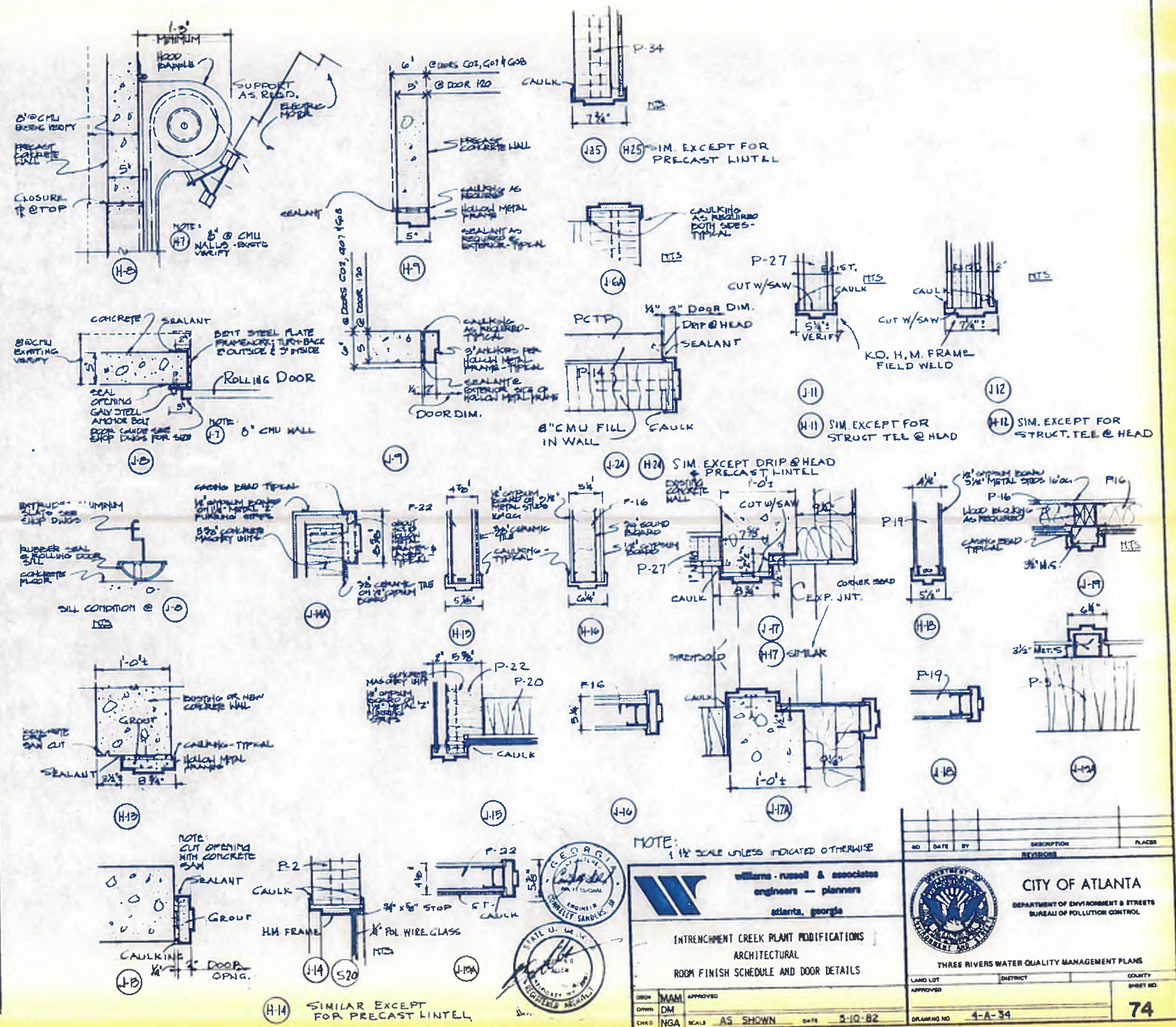
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: APPROVED DISTRICT: COUNTY: SHEET NO. 73

DRAWING NO. 4-A-33

ROOM FINISH SCHEDULE

ROOM NUMBER	ROOM TITLE	FLOOR		BASE		WAINSCOT		WALLS		CEILING		REMARKS
		MTL	FINISH	FINISH	FINISH	MTL	FINISH	MTL	FINISH	MTL	HGT	
POWER GENERATION BUILDING												
G01	POWER GENERATION ROOM	CONC.	CONC.	CONC.	CONC.	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	AS IS	VARIES	
G02	ELECTRIC CONTROL ROOM	CONC.	CONC.	CONC.	CONC.	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	AS IS	VARIES	
G03	STORAGE	CONC.	CONC.	CONC.	CONC.	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	PRECAST CONCRETE	AS IS	VARIES	
CHLORINE BUILDING												
C01	CHLORINE CONTROL ROOM	CONC.	CONC.	QT	QT	CMU	CMU	PRECAST CONCRETE	PRECAST CONCRETE	SUSP. CEM. PL.	VAR.	BASES FOR EQUIPMENT MONORAIL - DOCK BUMPER STAIR RAILING
C02	CHLORINE TANK AREA	CONC.	CONC.			CMU-PC	CMU-PC	PRECAST CONCRETE	PRECAST CONCRETE			
C03	CHLORINE COMPRESSORS											



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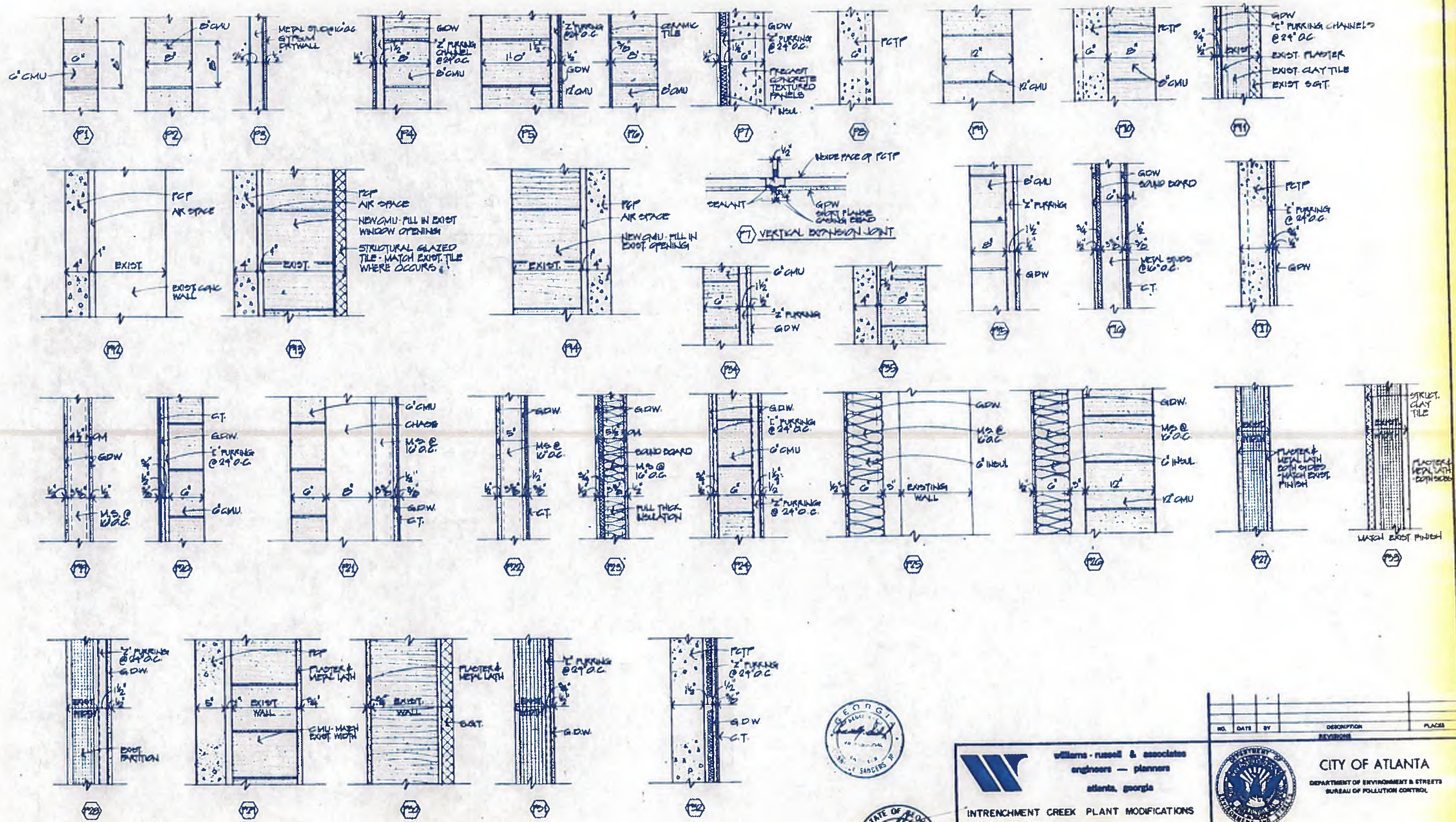
INTRENCHMENT CREEK PLANT MODIFICATIONS
 ARCHITECTURAL
 ROOM FINISH SCHEDULE AND DOOR DETAILS

DATE: 3-10-82

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: _____ DISTRICT: _____ COUNTY: _____
 APPROVED: _____ SHEET NO.: **74**



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ARCHITECTURAL
PARTITION TYPES AND DETAILS

ORGN: MAM APPROVED
 DRAWN: MAM
 CHG: JWF SCALE: 1/2" = 1'-0" DATE: 5-10-82

NO.	DATE	BY	DESCRIPTION	PLACE
			REVISION	

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND DISTRICT COUNTY SHEET NO.
 APPROVED
 DRAWING NO. 4-A-36 **75**

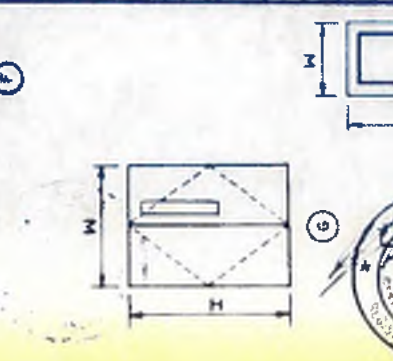
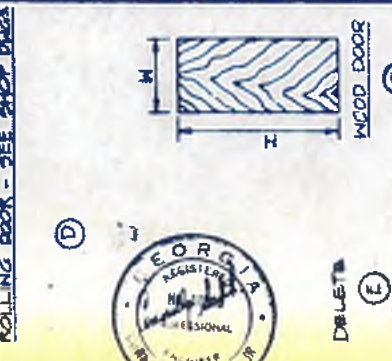
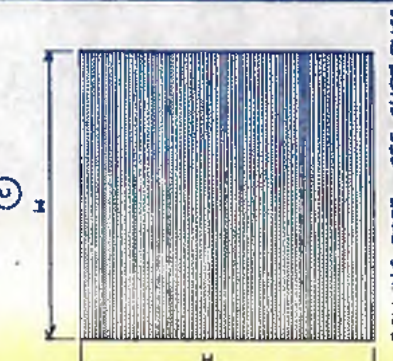
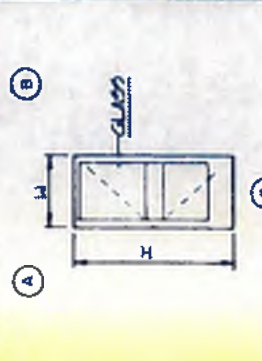
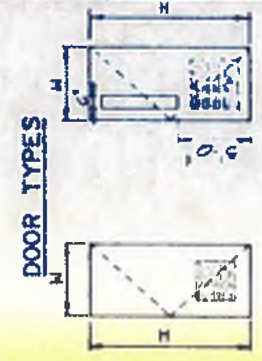
DOOR SCHEDULE

DOOR		FRAME			DETAILS				REMARKS
MARK TYPE	SIZE	MTL	TYPE	MTL	HEAD/SILL	HDW	LVR	GLAZING	THRESHOLD

ADMINISTRATION BUILDING											
101	C	3'-0" x 6'-8" x 1 3/4"	ALUM.	AL.	H-3	J-3	S-3	SET 3	BLACK ALUMINUM	ALUM FRAME W/SIDE LIGHT - SEE DET SHEET 4-A-36	
102	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-1	J-1	S-1	SET 1	BRONZE TEMP GL	2 HR RATED	
103	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-2	J-2	S-2	SET 2	1/4" w GL	SEE ELEVATOR SHOP DRAWINGS	
104		3'-0" x 6'-8"			DOOR, SILL & FRAME BY ELEVATOR CONTRACTOR						SEE ELEVATOR SHOP DRAWINGS
105	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-3	J-3	S-3	SET 3		SIZE OF LOUVER BY ELEVATOR CONTRACTOR	
106	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-20	J-20	S-4	SET 4	SEE REMARKS	2 HR RATED	
107	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-21	J-21	S-11	SET 5	1/4" w GL	VERIFY EXIST'G CONDITIONS OVERHEAD DOOR (ELECTRIC OPERATED)	
108	D	6'-0" x 10'-0"	GALV MET.	C	GALV MET.	H-7	J-7	EXIST'G DR CONTR.	BY OVRD. DR CONTR.	VERIFY EXIST'G CONDITIONS OVERHEAD DOOR (ELECTRIC OPERATED)	
109	D		GALV MET.	C	GALV MET.	H-7	J-7	EXIST'G DR CONTR.	BY OVRD. DR CONTR.	VERIFY EXIST'G CONDITIONS OVERHEAD DOOR (ELECTRIC OPERATED)	
110	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-3	J-3	S-4	SET 7		EXPANSION JOINT @ SILL	
111	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-20	J-20	S-4	SET 8			
112	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-4	J-4	S-14	SET 9	1/4" w GL		
113	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-12	J-12	S-3		1/4" w GL		
114	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-23	J-23	S-11	SET 11	1/4" w GL		
115	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-11	J-11	S-3	SET 12			
116	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-22	J-22	S-2	SET 13			
117	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-11	J-11	S-2	SET 14			
118	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-6	J-6	S-3	SET 15			
119	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-3	J-3	S-3	SET 16	1/4" w GL		
120	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-9	J-9	S-3	SET 17	1/4" w GL		
121	D	8'-0" x 10'-0"	GALV STL	C	GALV STL	H-9	J-13	S-15	BY OVRD. DR CONTR.	OVERHEAD DOOR (ELECTRIC OPERATED)	
122	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-6	J-6	S-3	SET 18			
123	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-13	J-13		SET 19	STAINLESS STEEL		
124	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-24	J-24	S-13	SET 19	1/4" w GL		
201	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-2	J-2	S-6	SET 2	1/4" w GL	2 HR. DOOR	
202	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-25	J-25	S-7	SET 20		2 HR. DOOR	
203	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-15	J-15	S-9	SET 21			
204	G	203'-0" x 6'-8" x 1 3/4"	HM	B	H-16	J-16	S-9	SET 22	1/4" w GL	2 HR. DOOR EXPANSION JOINT @ SILL	
205	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-17	J-17	S-10	SET 23	STAINLESS STEEL		
206	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-13	J-13	S-1	SET 24	1/4" w GL		
207	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-11	J-11	S-3	SET 25		2 HR. DOOR	
208		3'-0" x 6'-8" x 1 3/4"			DOOR, SILL & FRAME BY ELEVATOR CONTRACTOR					SEE ELEVATOR SHOP DRAWINGS	
209	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-3	J-3	S-9	SET 3	1/4" w GL		
210	F	3'-0" x 6'-8" x 1 3/4"	WO	A	H-18	J-18	S-9	SET 26			
211	F	3'-0" x 6'-8" x 1 3/4"	WD	A	H-16	J-16	S-9	SET 27			
212	F	3'-0" x 6'-8" x 1 3/4"	WD	A	H-16	J-16	S-9	SET 28			
213	A	3'-0" x 6'-8" x 1 3/4"	HM	A	H-25	J-25	S-6	SET 29		2 HR. DOOR	

POWER GENERATION BUILDING										
G01	C	203'-0" x 6'-8" x 1 3/4"	ALUM.	ALUM.	H-2	J-2	S-5	SET 5	LITE BRON TEMP PL	SEE DETAILS, SHEET A-25
G02	K	204'-0" x 7'-11" x 1 3/4"	HM	A	H-6	J-6	S-5	SET 5	1/4" TEMP GLASS	(2) 2'-0" x 2'-0" LOUVERS
G03	A	3'-0" x 7'-11" x 1 3/4"	HM	A	H-6	J-6	S-5	SET 5		2'-0" x 2'-0" LOUVER
G04	A	3'-0" x 7'-0" x 1 3/4"	HM	A	H-6	J-6	S-5	SET 5		SEE DETAILS, SHEET A-26
G05	A	10'-0" x 10'-0"	DK BRON ALUM.	C	DK BRON ALUM.	H-6	J-6	S-5		SEE DETAILS, SHEET A-26
G06	A	10'-0" x 10'-0"	DK BRON ALUM.	C	DK BRON ALUM.	H-6	J-6	S-5		SEE DETAILS, SHEET A-26
G07	A	21'-4'-0" x 6'-8" x 1 3/4"	HM	B	H-9	J-9			STAINLESS STEEL	SEE DETAILS, SHEET M-11
G08	A	21'-4'-0" x 6'-8" x 1 3/4"	N.M.	B	H-9	J-9			STAINLESS STEEL	SEE DETAILS, SHEET S-22

CHLORINE BUILDING										
C01	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-6	J-6	S-5	SET 39	2'-0" X 2'-0" 1/4" w GL	STAINLESS STEEL
C02	B	3'-0" x 6'-8" x 1 3/4"	HM	A	H-9	J-9		SET 39	1/4" w GL	



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ARCHITECTURAL
DOOR SCHEDULE AND DETAILS

DATE: 5-10-82

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

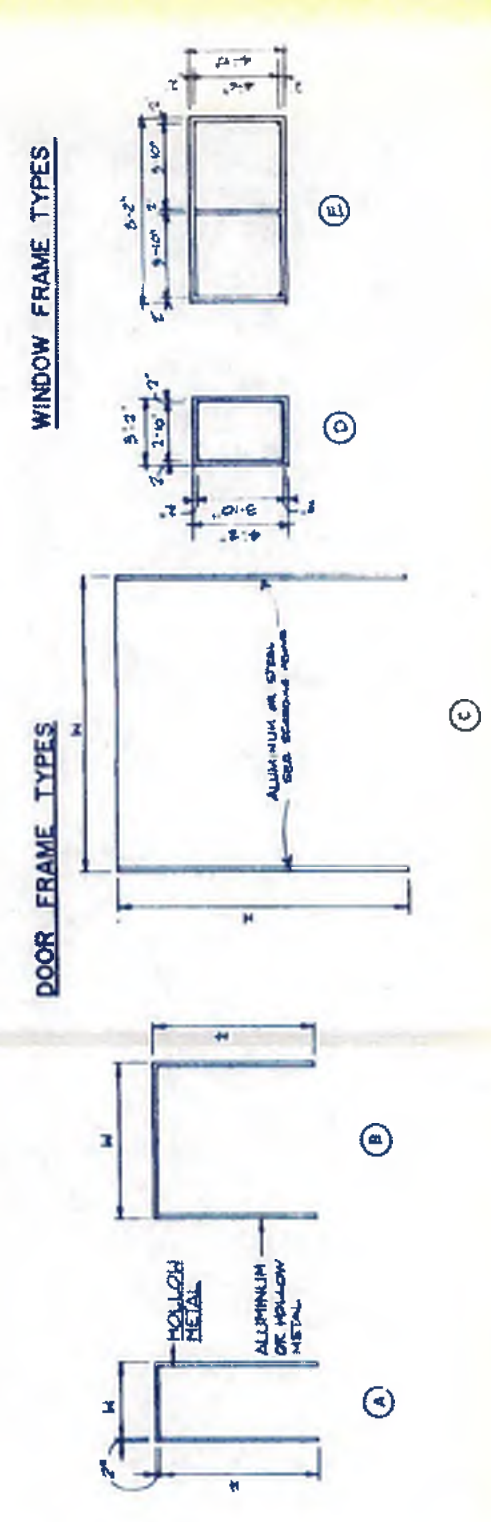
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

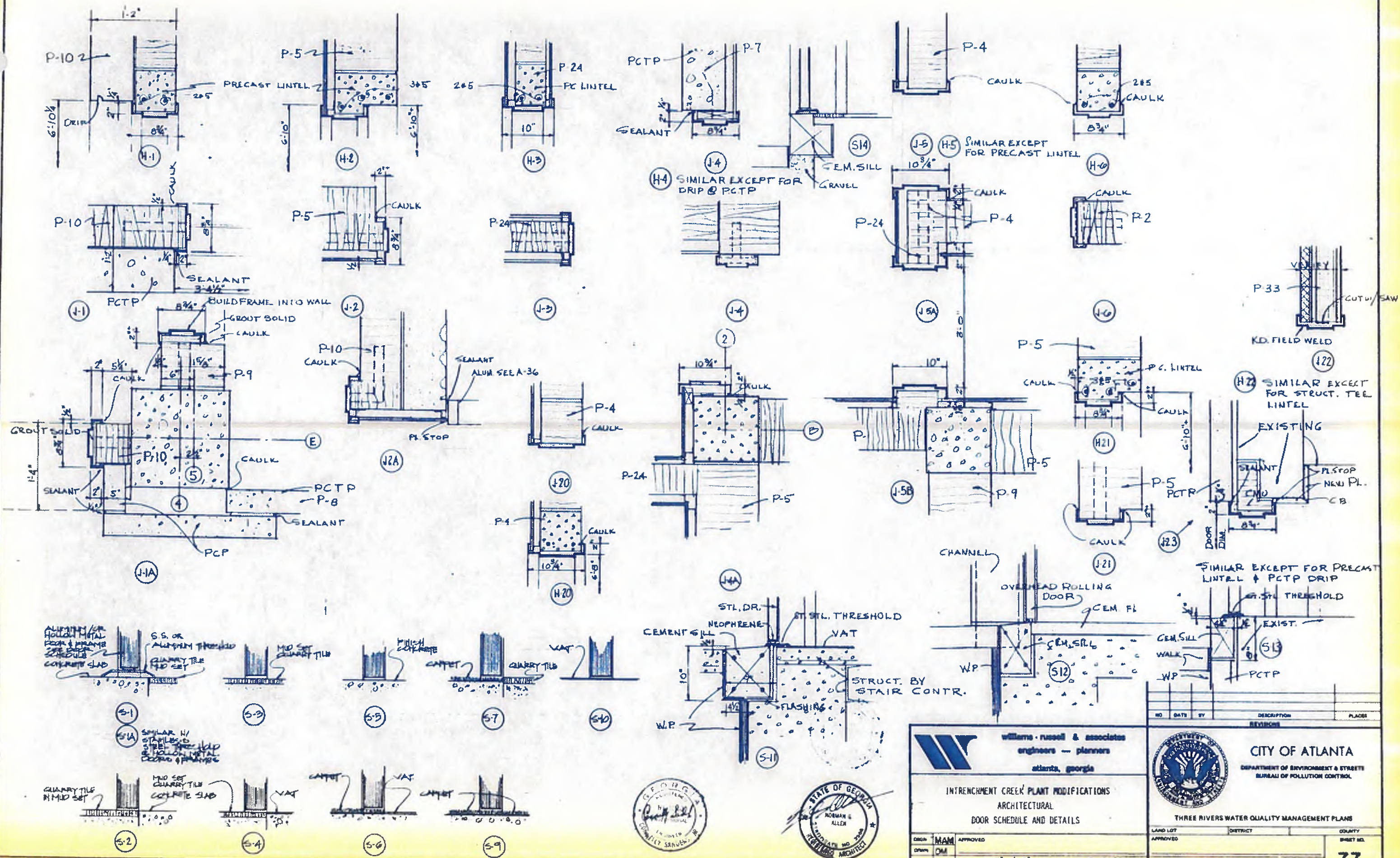
NO. DATE BY DESCRIPTION PLACES

APPROVED: JF, MYB, NGA

SCALE: NO SCALE

SHEET NO. **76**





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 atlanta, georgia

INTRICHMENT CREEK PLANT MODIFICATIONS
 ARCHITECTURAL
 DOOR SCHEDULE AND DETAILS

DATE: 3-10-82
 SCALE: 1/2" = 1'-0"

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREET
 BUREAU OF POLLUTION CONTROL

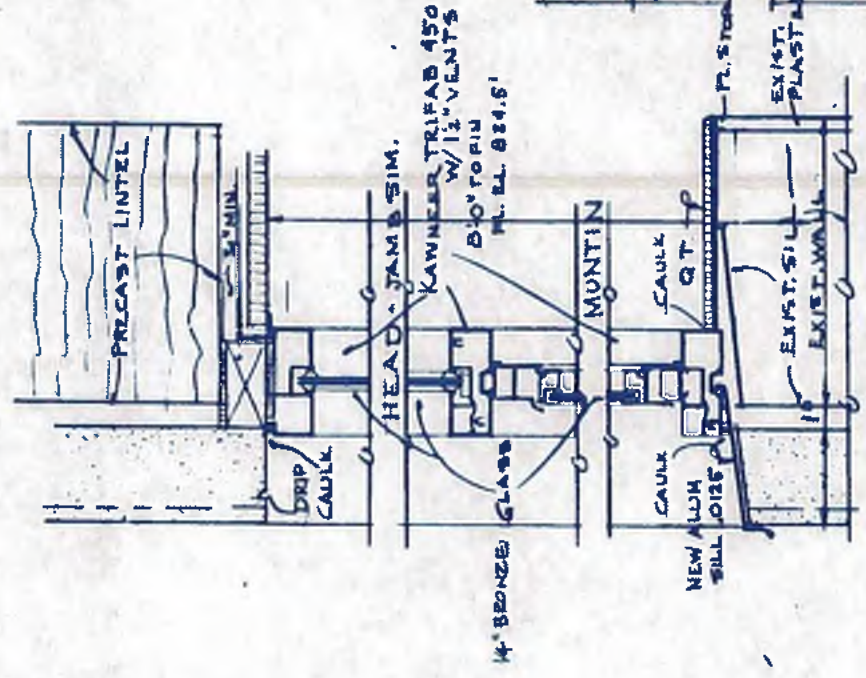
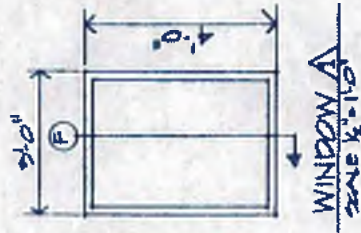
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

NO. DATE BY DESCRIPTION PLACE

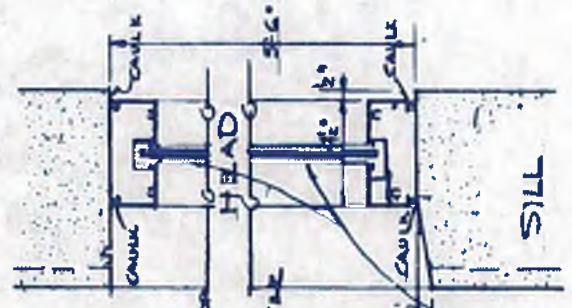
LAND LOT DISTRICT COUNTY SHEET NO.

77

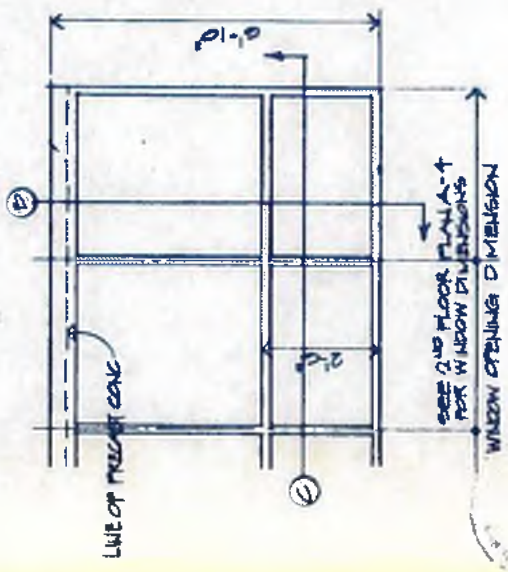




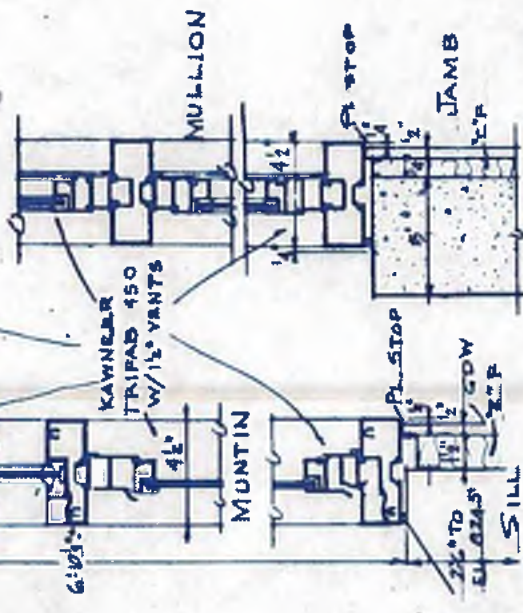
SILL SECTION H



SECTION F



TYPICAL WINDOW - 2ND FLOOR ADMINISTRATION BLDG. SCALE 1/2\"/>

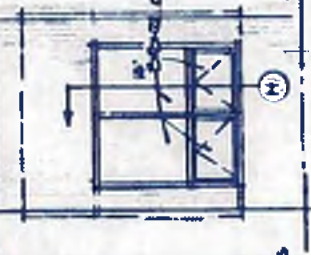


VERTICAL SECTION B HORIZONTAL SECTION C

SECTIONS @ CURTAIN WALL - 2ND FL.

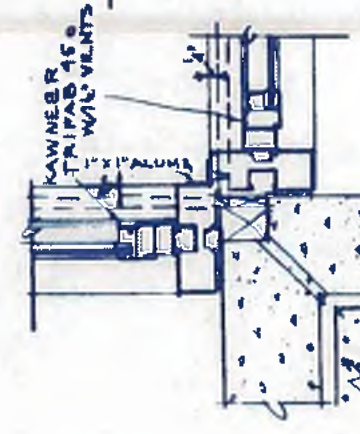
ADMIN. BLDG

SCALE 1/2\"/>

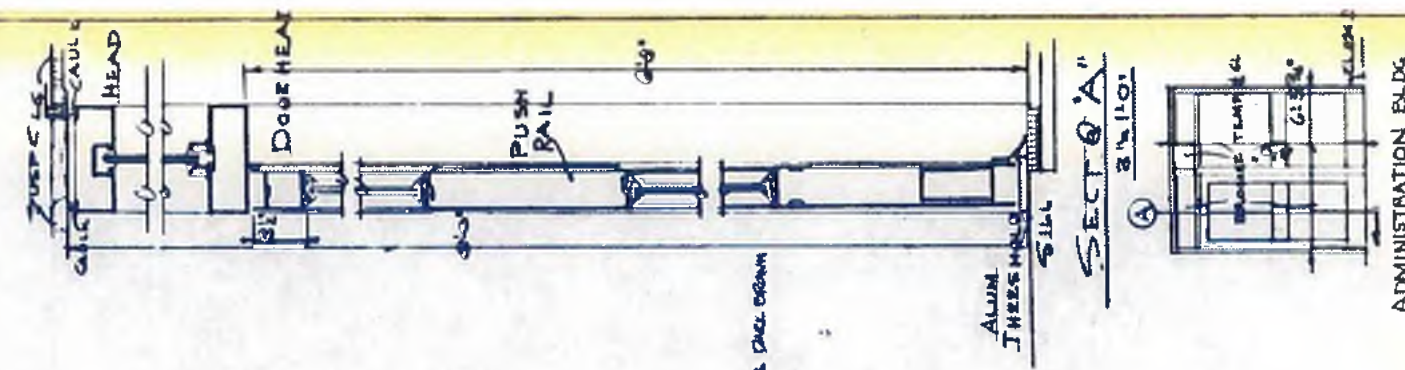


ELEV. @ ADMIN. BUILDING LUNCH ROOM WINDOW

SCALE 1/2\"/>



TYPICAL PLAN AT ADMIN. BLDG - 2ND FLOOR @ COLUMN COVER & WINDOW SCALE 1/2\"/>



SECTION A

NOTE: ALL ALUM. TO BE DEL. ORG. DURABODIC FINISH.

ADMINISTRATION BLDG. ELEVATION SCALE 1/2\"/>



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ARCHITECTURAL
ALUMINUM DETAILS AND ELEVATIONS

DESN	NGA	APPROVED	
DRWN	NGA		
CHCK	NGA	SCALE AS SHOWN	DATE 5-10-82



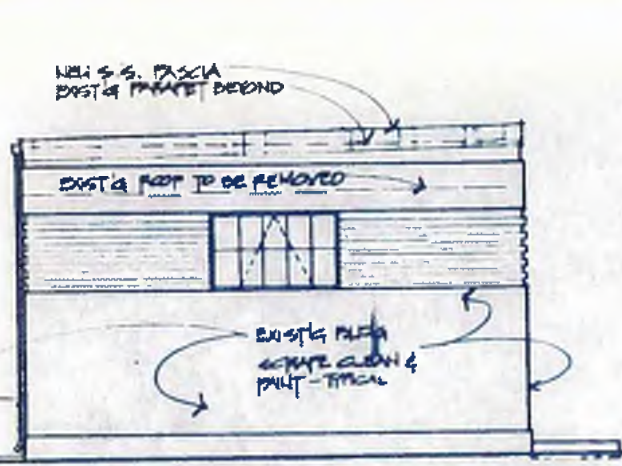
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

NO.	DATE	BY	DESCRIPTION	PLACES

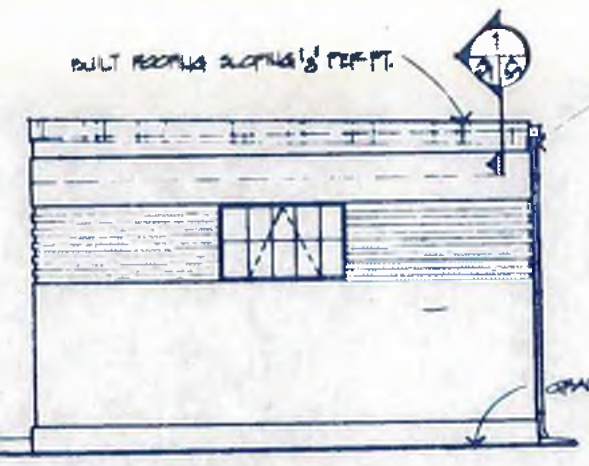
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LOT	DISTRICT	COUNTY

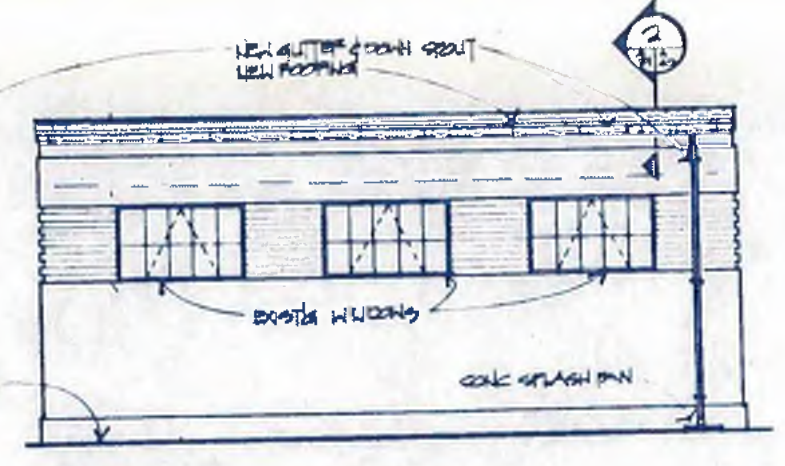
DRAWING NO. 4-A-30



LEFT SIDE ELEV.
SCALE 1/4" = 1'-0"



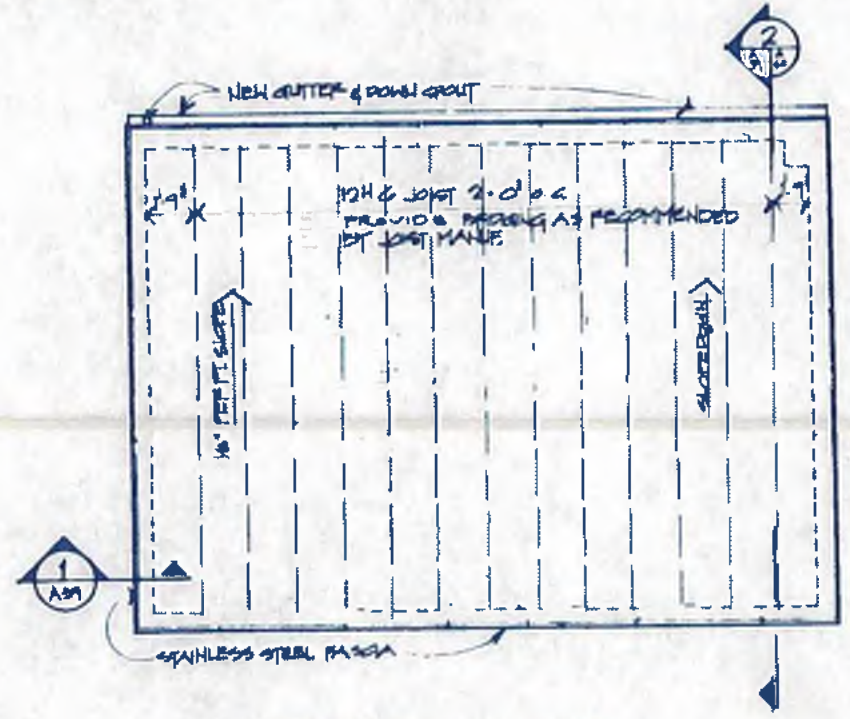
RIGHT SIDE ELEV.
SCALE 1/4" = 1'-0"



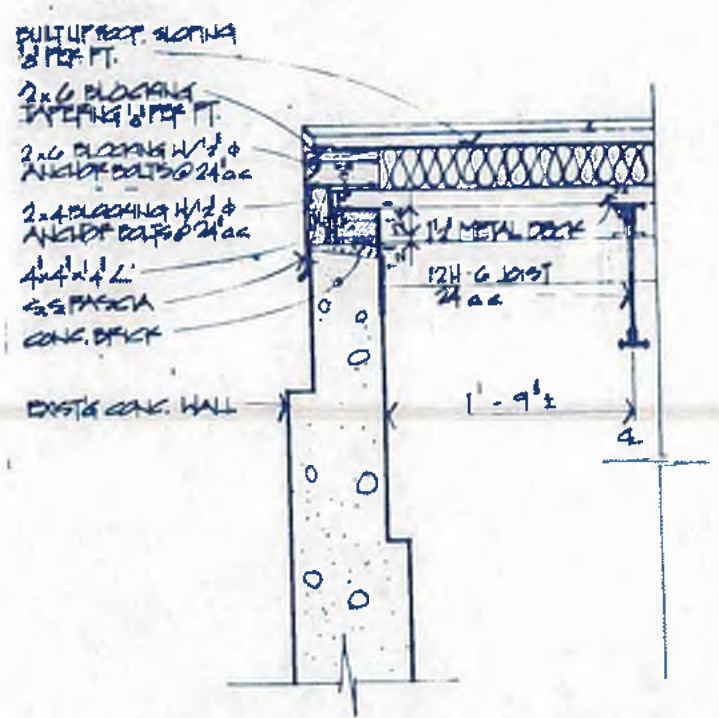
REAR ELEV.
SCALE 1/4" = 1'-0"



FRONT ELEV.
SCALE 1/4" = 1'-0"



ROOF FRAMING PLAN
SCALE 1/4" = 1'-0"



ROOF & FASCIA DETAIL
SCALE 1/2" = 1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
OIL STORAGE BUILDING
RE-ROOFING PLANS & DETAILS

DESIGN	GS	APPROVED
DRAWN	AJB	
CHECKED	JWF	

SCALE AS SHOWN DATE 5-10-82

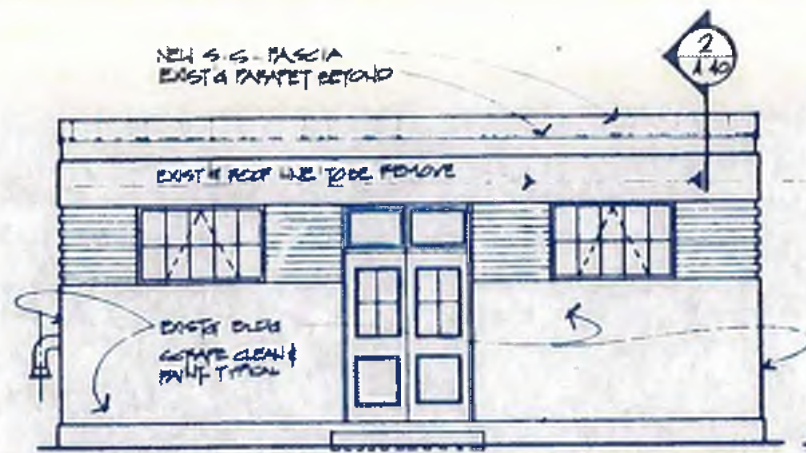
NO.	DATE	BY	DESCRIPTION	PLACES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

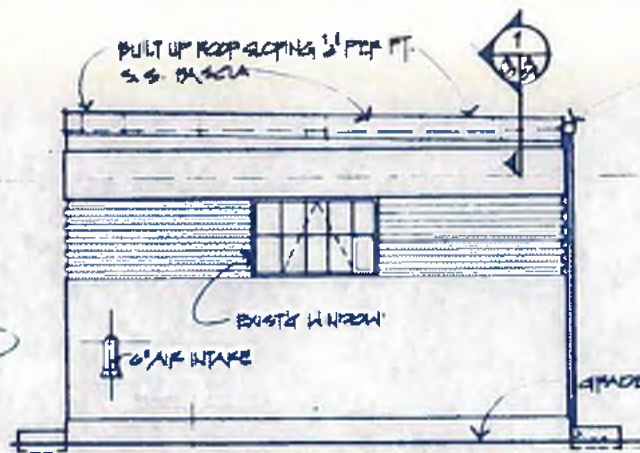
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		

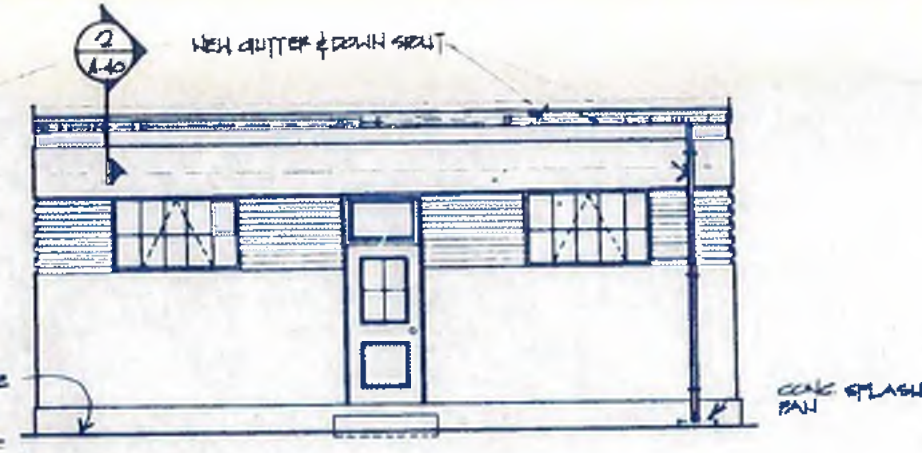
DRAWING NO. 4-A-39 SHEET NO. 79



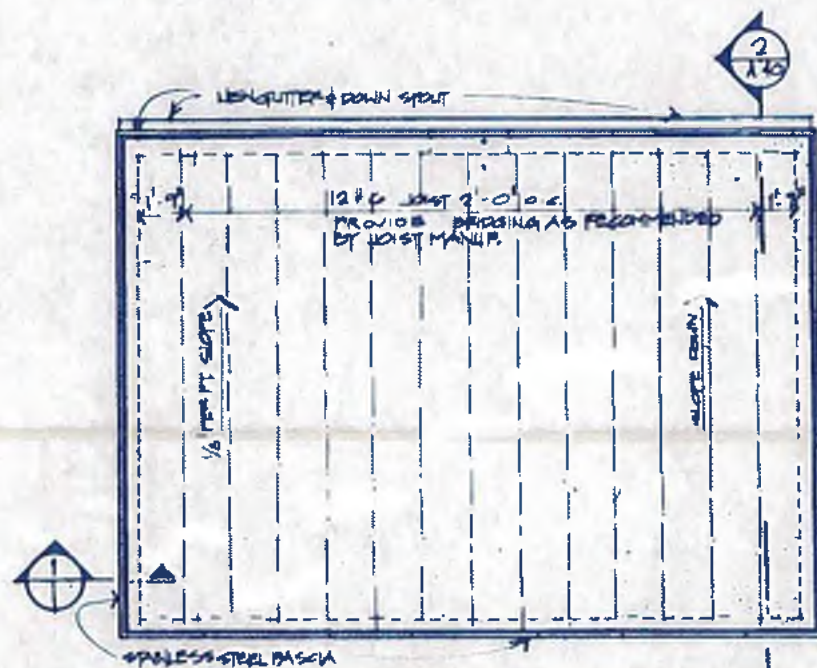
FRONT ELEV.
SCALE: 1/4" = 1'-0"



TYPICAL SIDE ELEV.
SCALE: 1/4" = 1'-0"



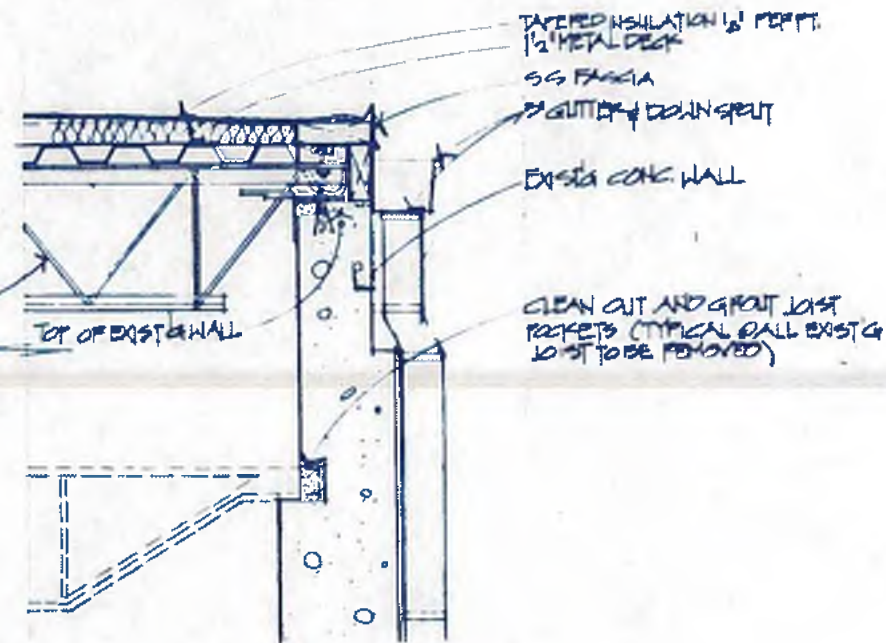
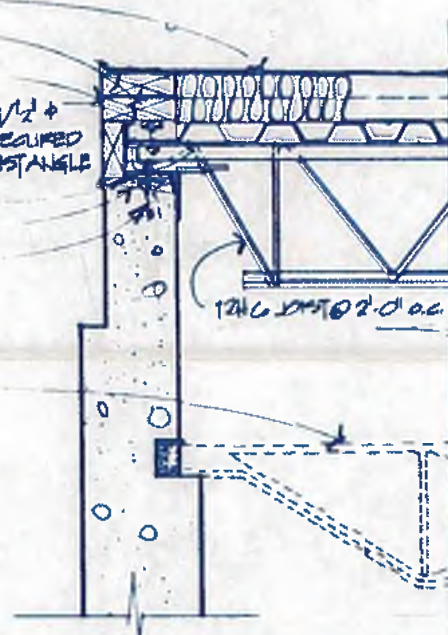
REAR ELEV.
SCALE: 1/4" = 1'-0"



ROOF FRAMING PLAN
SCALE: 1/4" = 1'-0"

BUILT UP ROOF SLOPING 1/2" PER FT.
2x6 FLOORING
SS FASCIA
2x4 FLOORING W/ 1/2" ANCHOR BOLTS, SECURED TO TOP OF EACH JOIST ANGLE
4x4x1/2 L
GROUT LEVEL
1 1/2" EXP. BOLT @ 2' O.C.

REMOVE EXIST. STEEL JOIST



ROOF & FASCIA DETAIL
SCALE: 1/2" = 1'-0"



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INTRINCHMENT CREEK PLANT MODIFICATIONS
CHAIN STORAGE BUILDING
RE-ROOFING PLANS & DETAILS

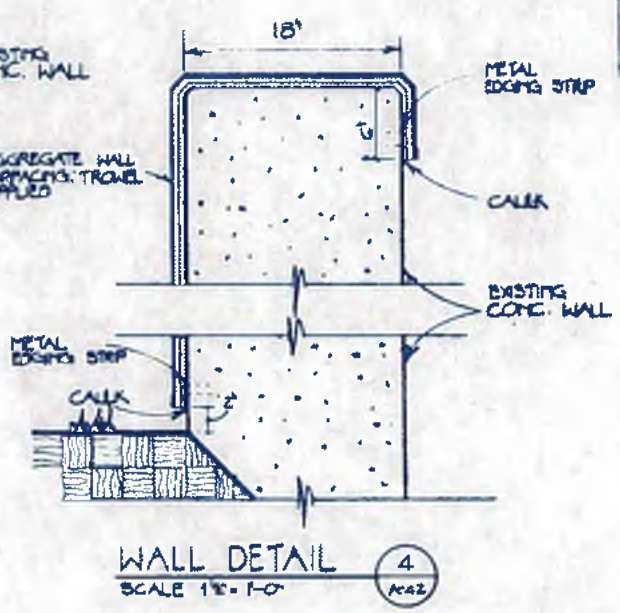
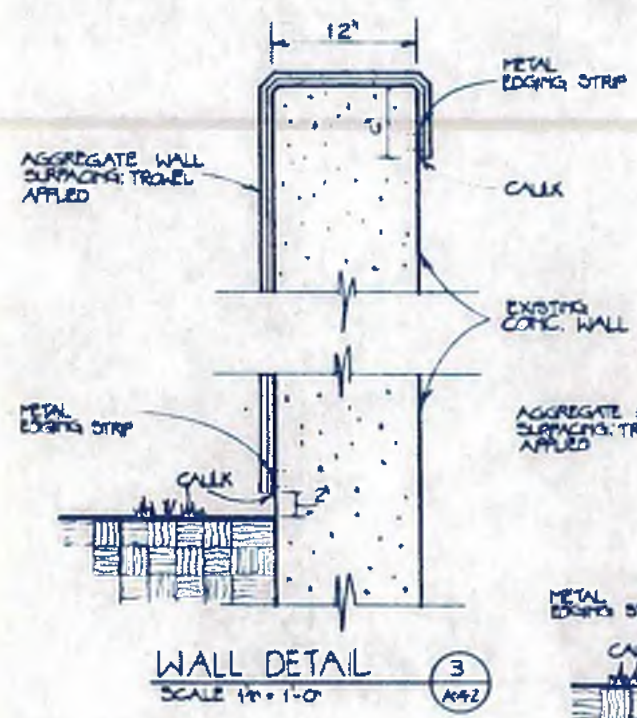
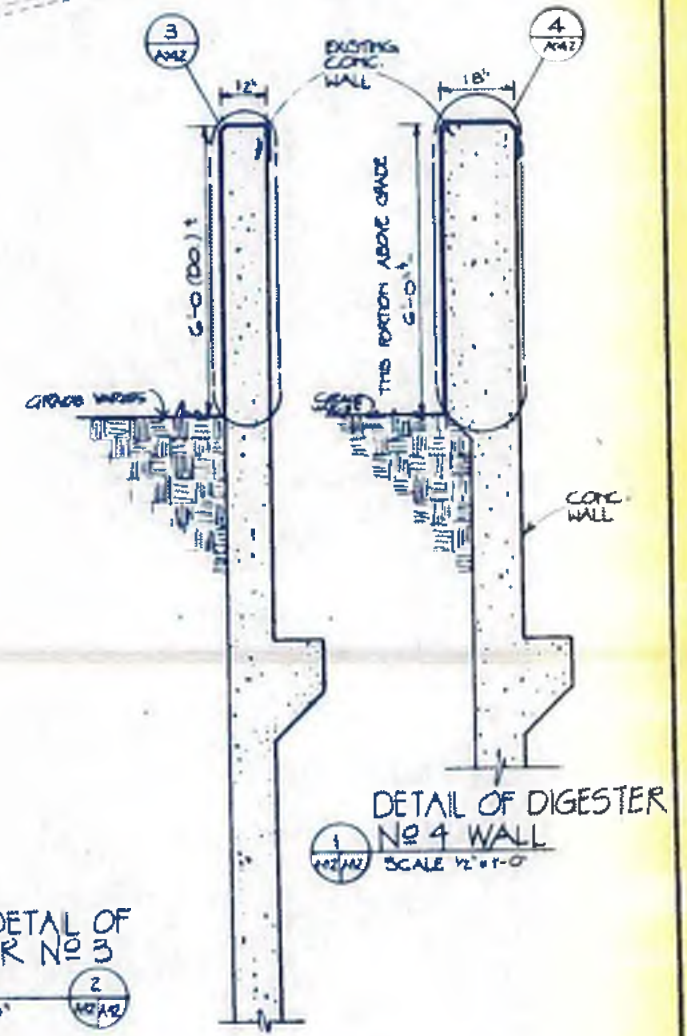
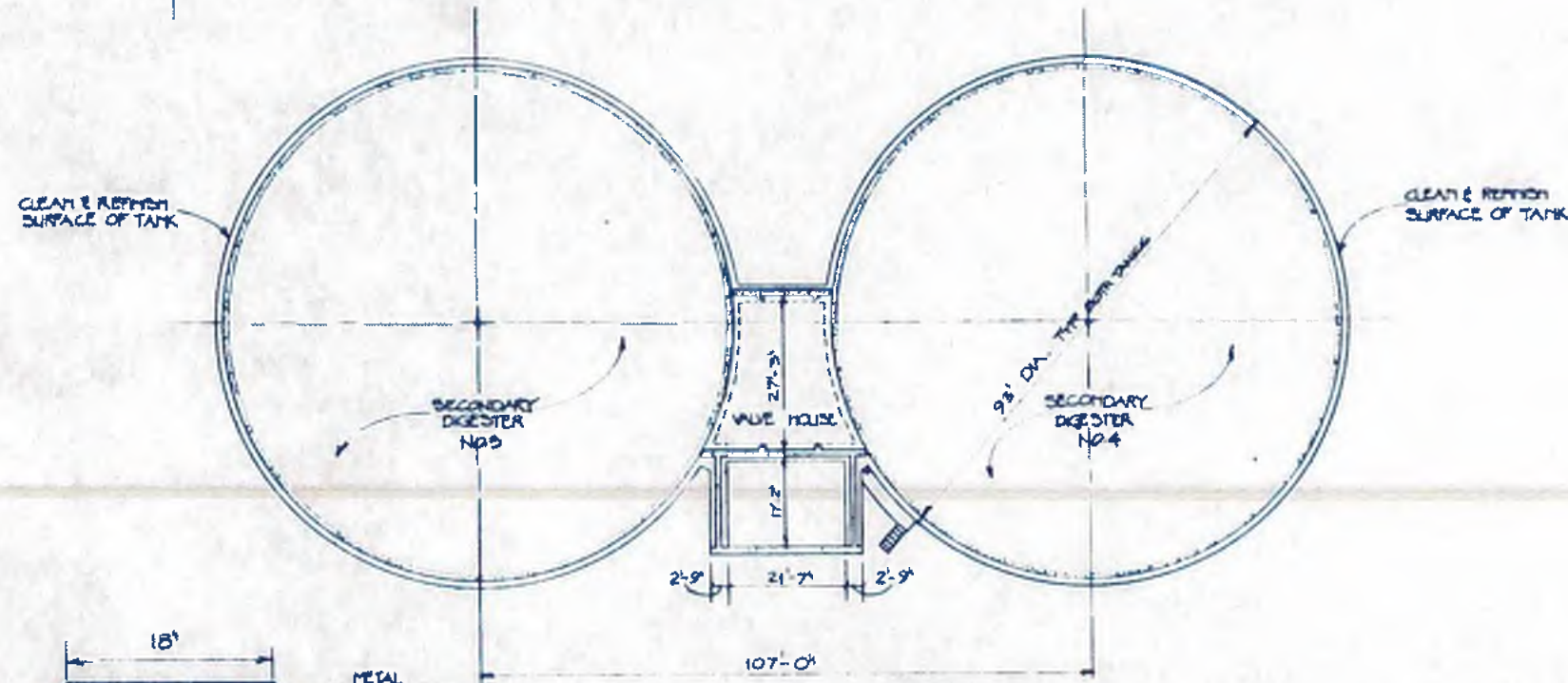
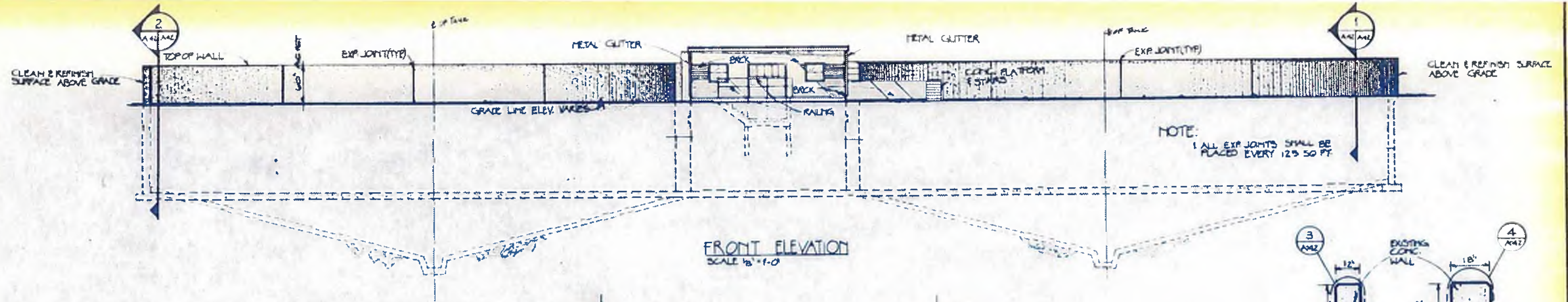
DRWN	GS	APPROVED
CHKD	AJB	
DATE	SCALE	DATE
5-10-82	AS SHOWN	5-10-82

NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

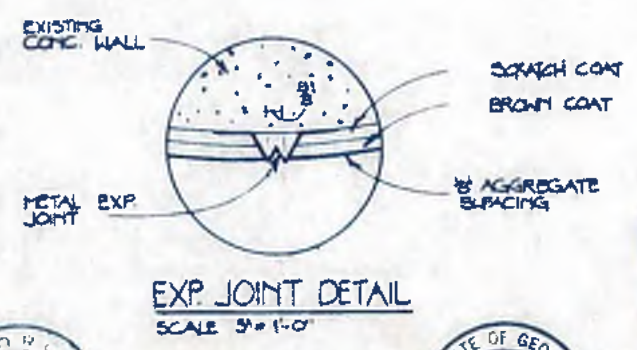
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LIST	DISTRICT	COUNTY
APPROVED		
DRAWING NO. 4-A-40		SHEET NO. 80



WALL PLAN OF DIGESTERS AND VALVE HOUSE
SCALE 1/8" = 1'-0"

TYPICAL DETAIL OF DIGESTER NO 3 WALL
SCALE 1/2" = 1'-0"



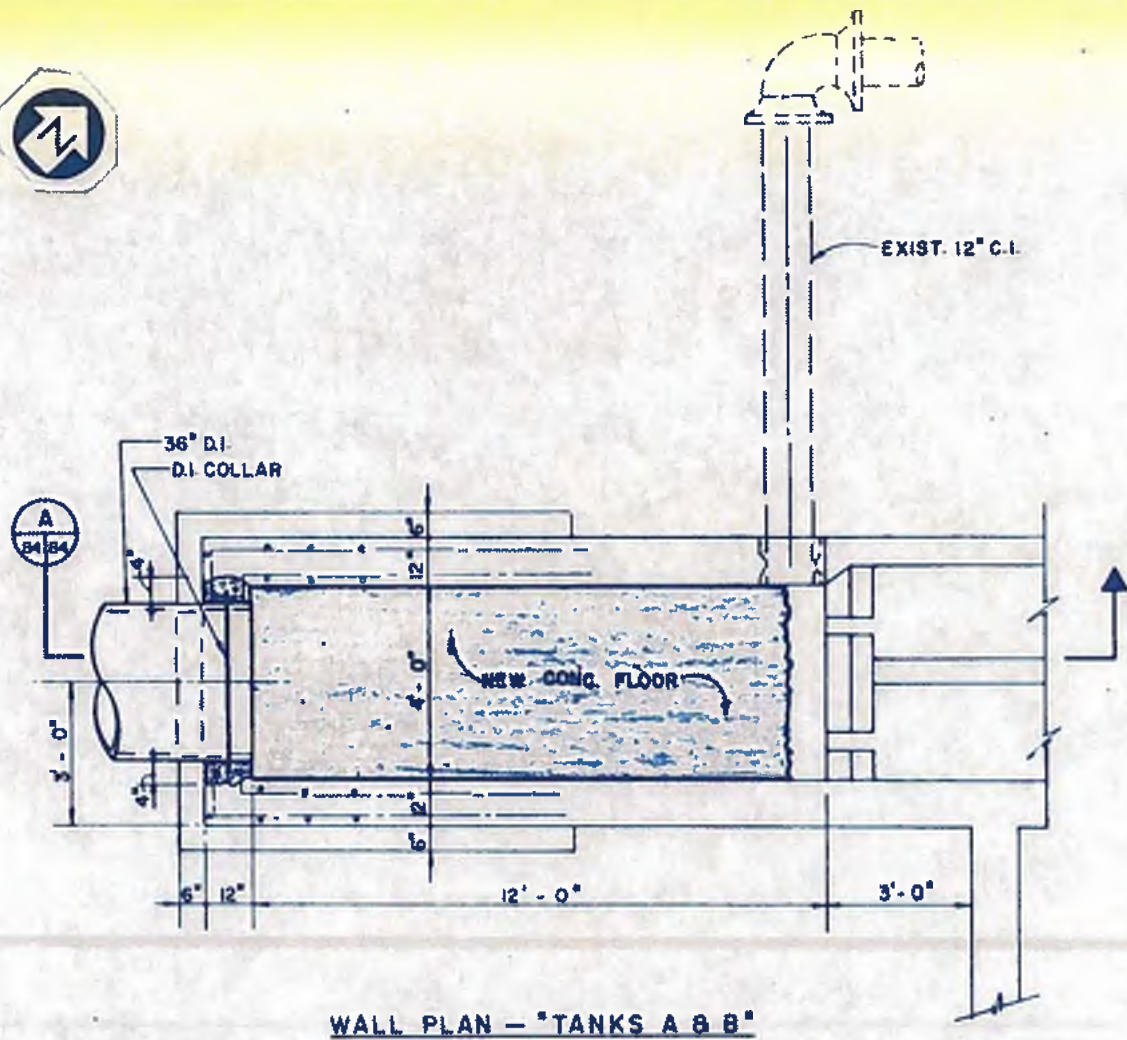
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INTRINCHMENT CREEK PLANT MODIFICATIONS
EXTERIOR WALL REFINISHING
DIGESTER TANKS

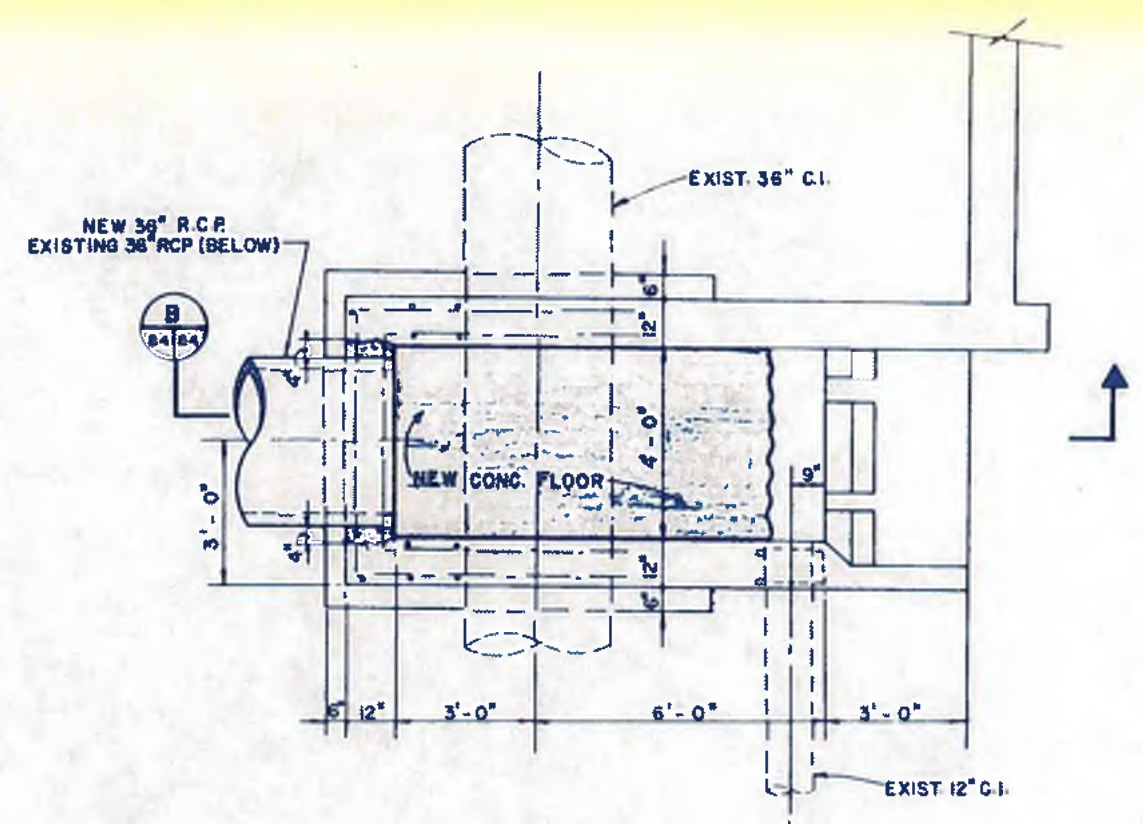
DESIGN: JWH APPROVED: JWH
DRAWN: JWH
CHECKED: JWF

SCALE: AS SHOWN DATE: 5-10-82

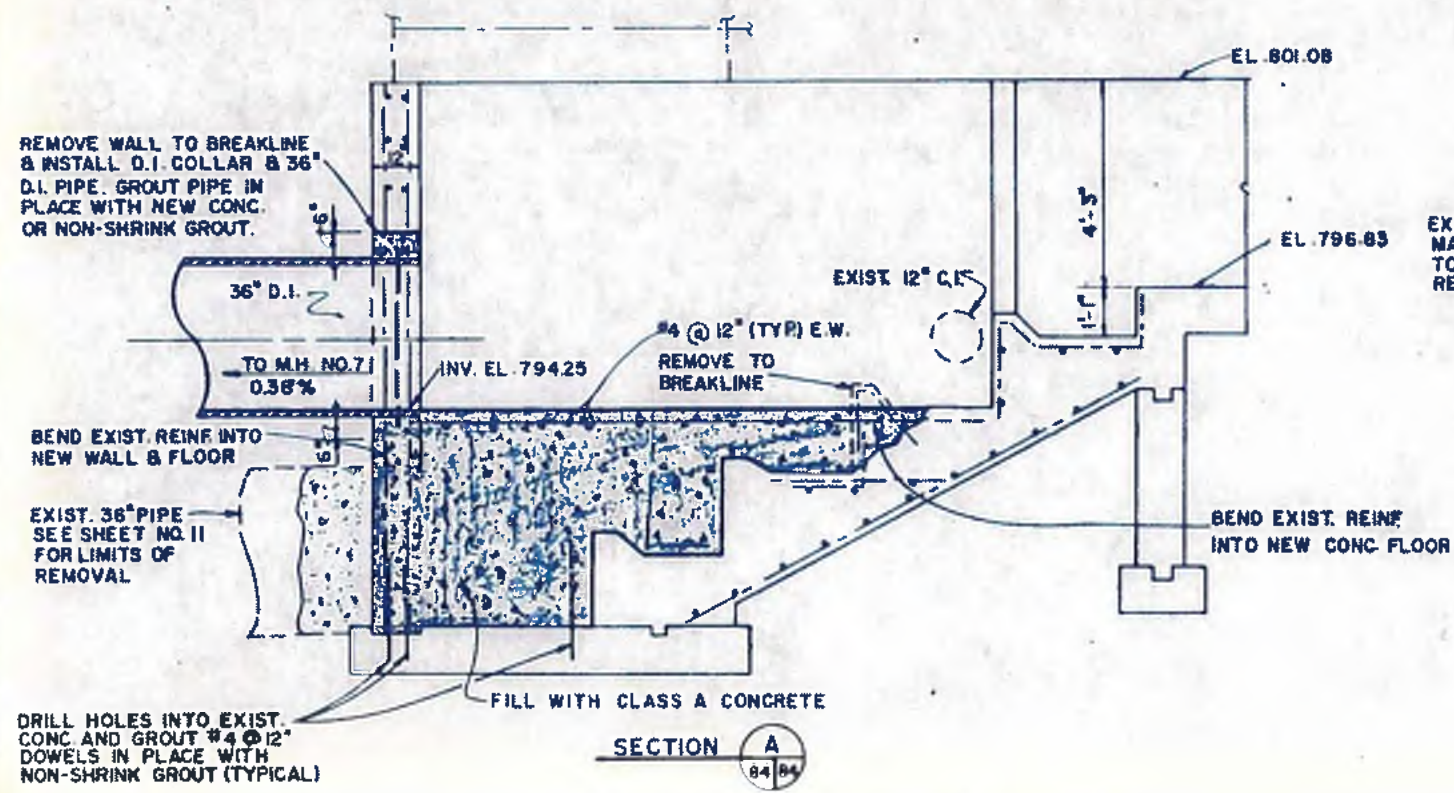
NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				
CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND LOT	DISTRICT	COUNTY	SHEET NO.	
APPROVED			81	
DRAWING NO.	4 A-41			



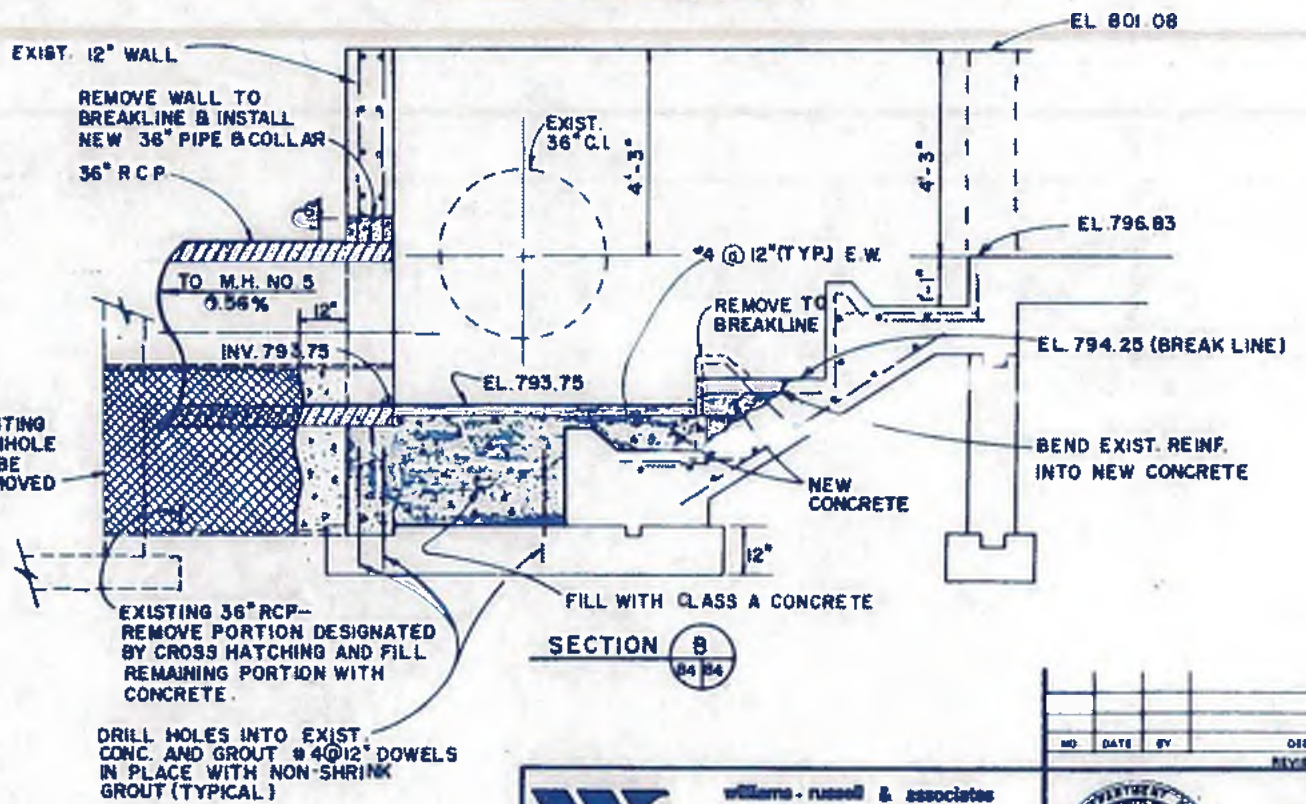
WALL PLAN - "TANKS A & B"



WALL PLAN - "TANKS C & D"



SECTION A



SECTION B

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INTRINCHMENT CREEK PLANT MODIFICATIONS
FINAL SETTLING TANKS
EFFLUENT FLUME MODIFICATIONS

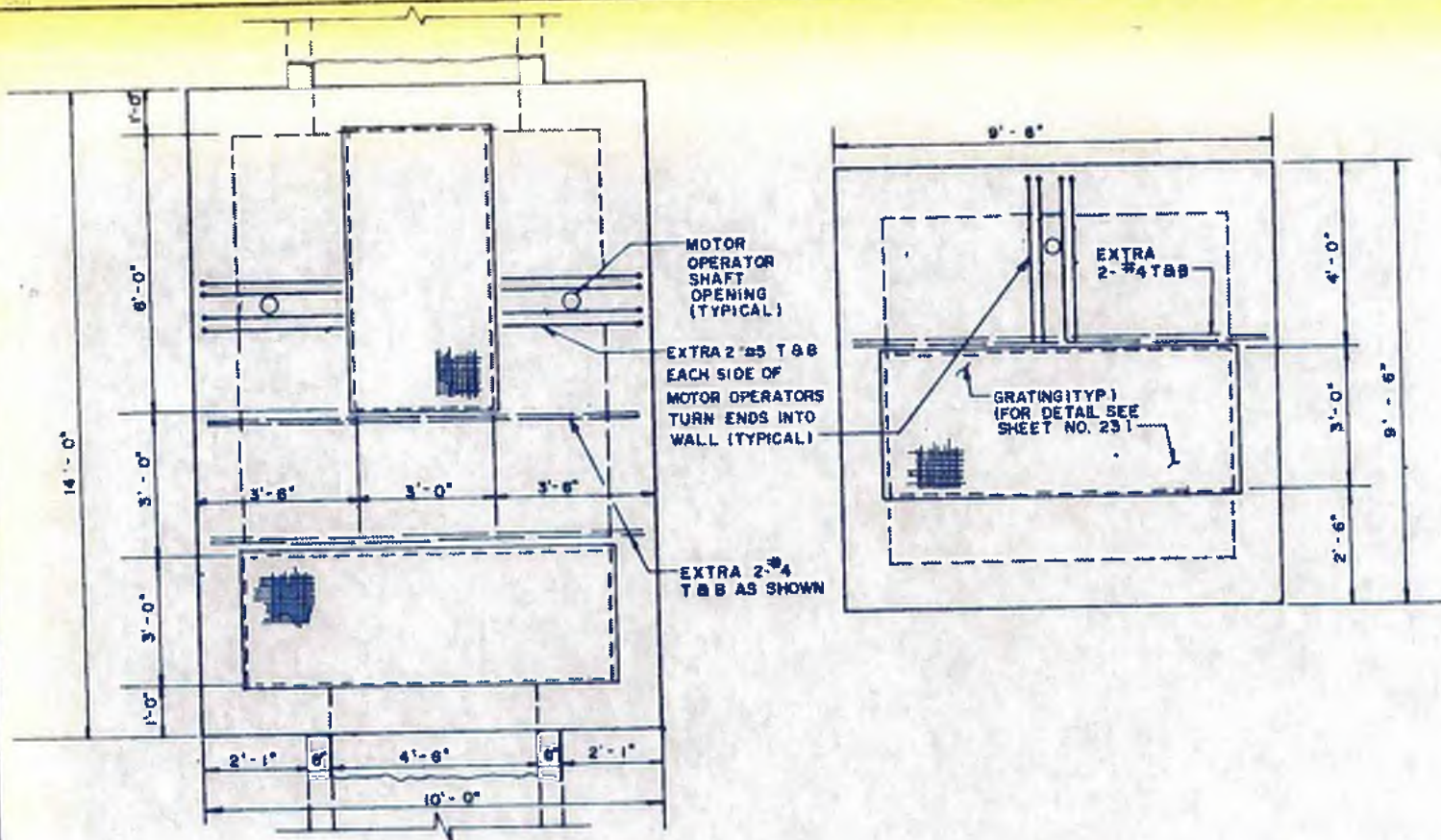
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

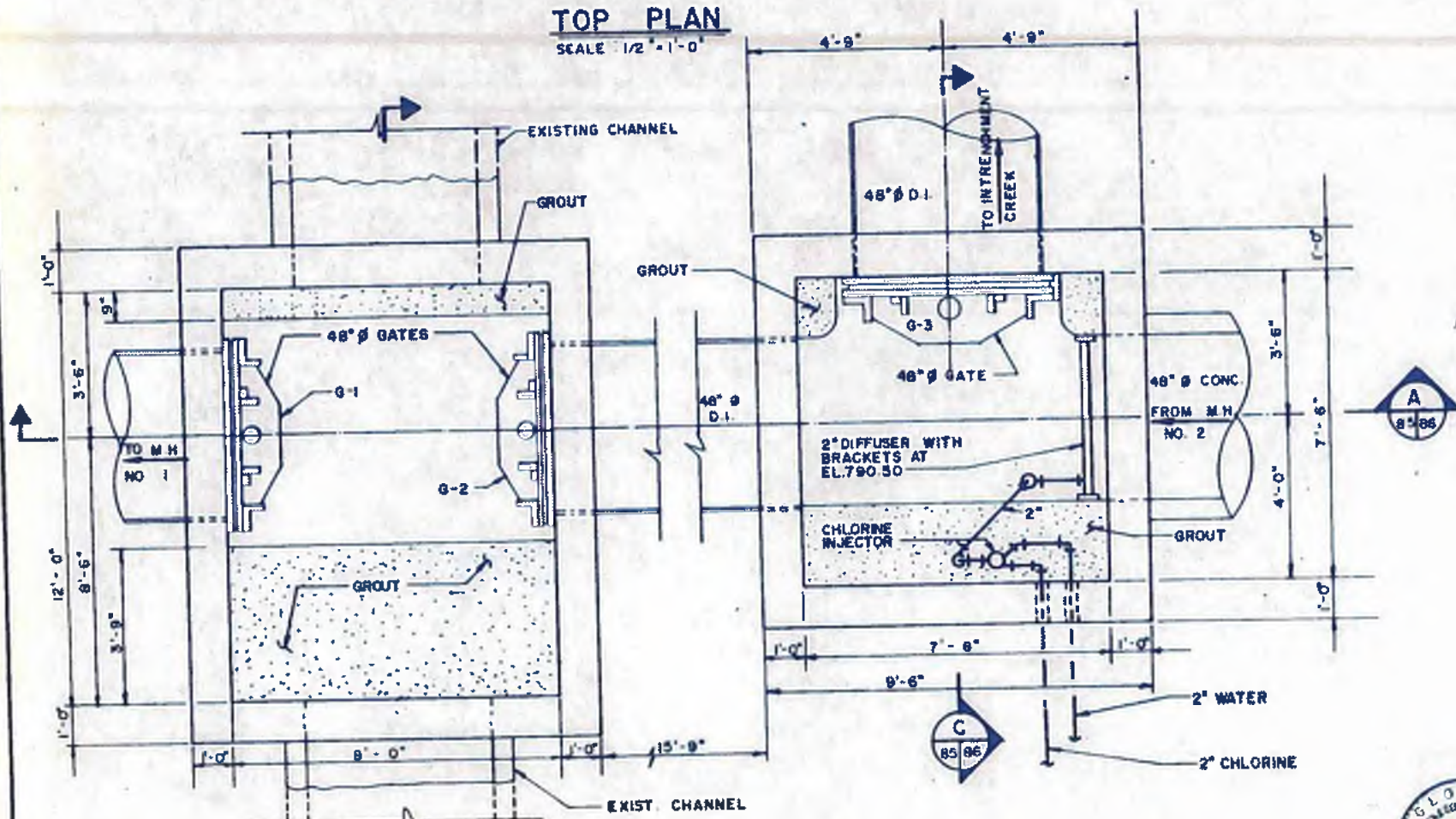
DRWN	MRP	APPROVED
DRWN	LB	
CHKD	CS	SCALE 1/2" = 1'-0" DATE MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	
LAND LOT	DISTRICT	COUNTY	SHEET NO.	
			84	





TOP PLAN
SCALE 1/2" = 1'-0"



WALL PLAN
SCALE 1/2" = 1'-0"

NOTES:

- 1. ALL NEW CONSTRUCTION EXCEPT CHANNEL.
- 2. SEE SHEET NO. 9 FOR LOCATIONS.

ECS NO. 1

ECS NO. 2



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INTRENCHMENT CREEK PLANT MODIFICATIONS
FLOW CONTROL STRUCTURES NO. 1 & 2

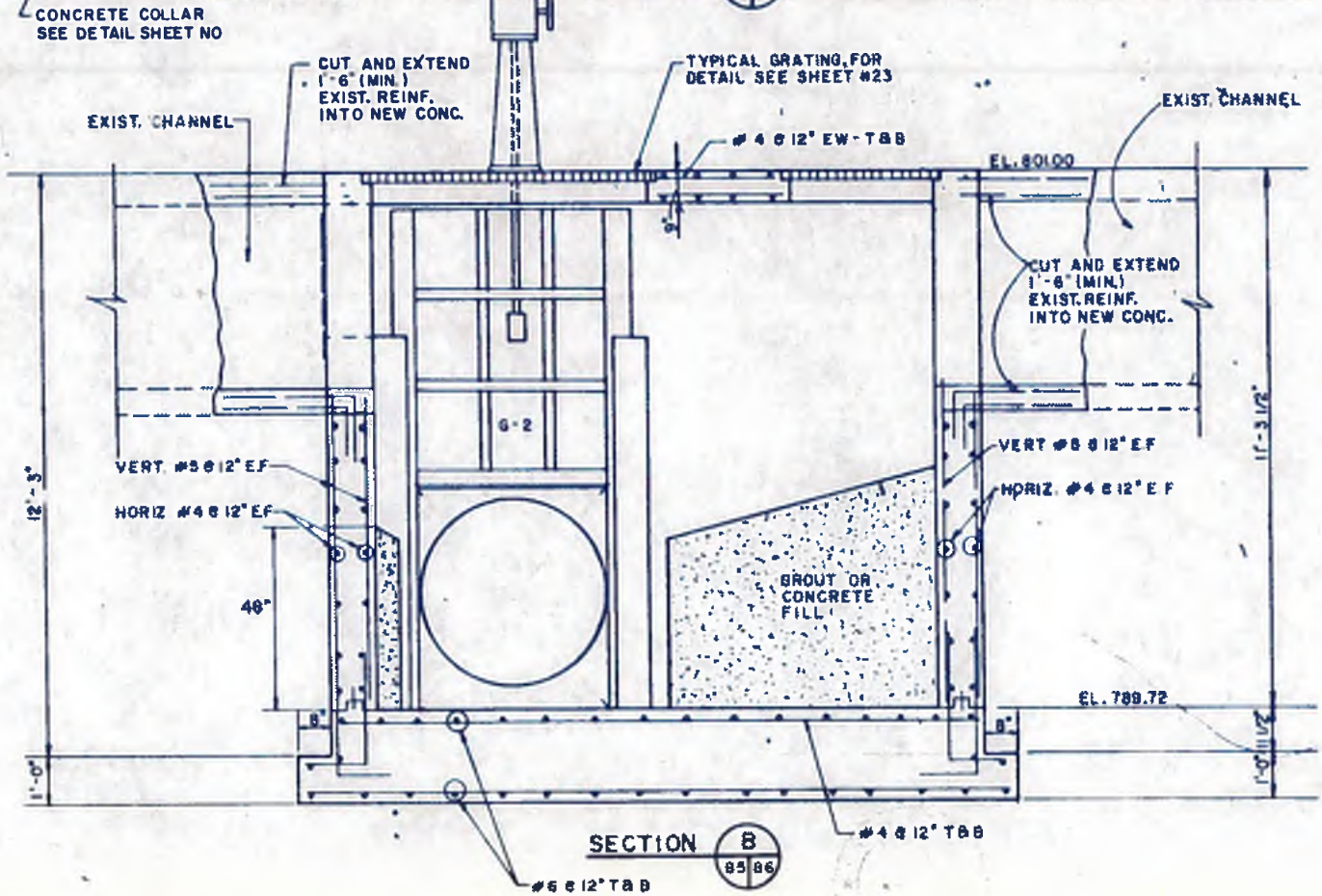
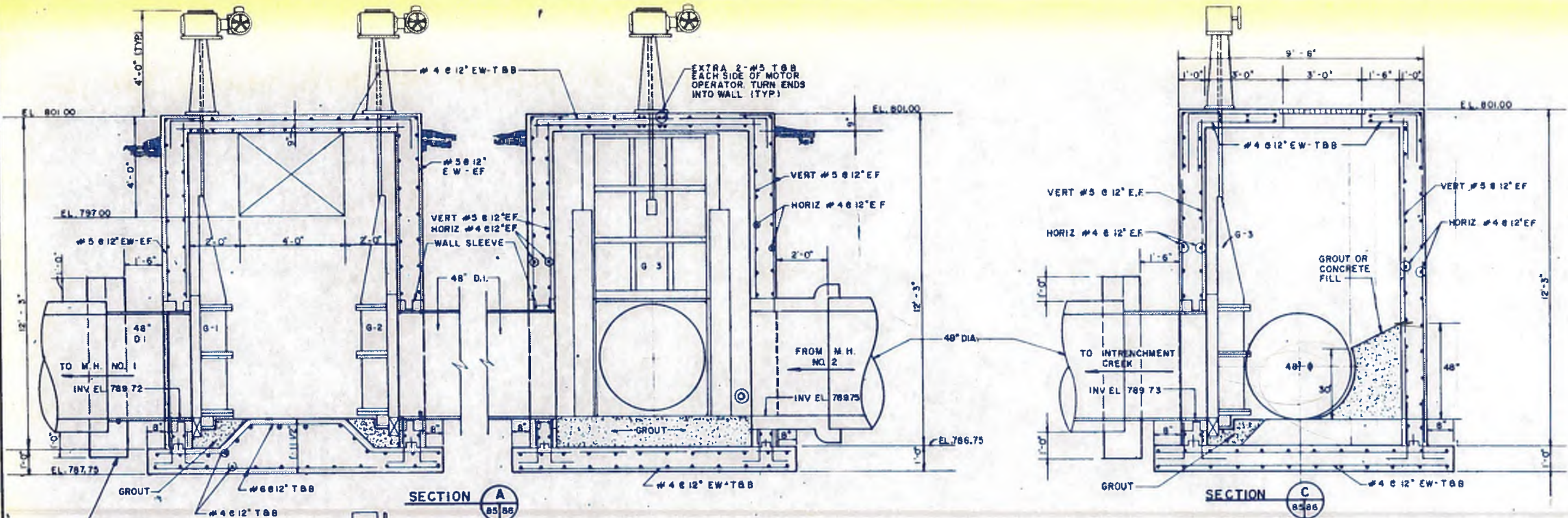


CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

DESIGN	REF	APPROVED
DRAWN	MBM	
CHECKED	BLS	SCALE AS SHOWN DATE MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACE
LAND LOT		DISTRICT		COUNTY
APPROVED				SHEET NO.
		DRAWING NO. 4-5-2		85



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INTRENCHMENT CREEK PLANT MODIFICATIONS
FLOW CONTROL STRUCTURES NO. 1 & 2

DATE: MAY 10, 1982

DESIGN	REF	APPROVED
DRAWN	MBM	
CHECKED	BLS	

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

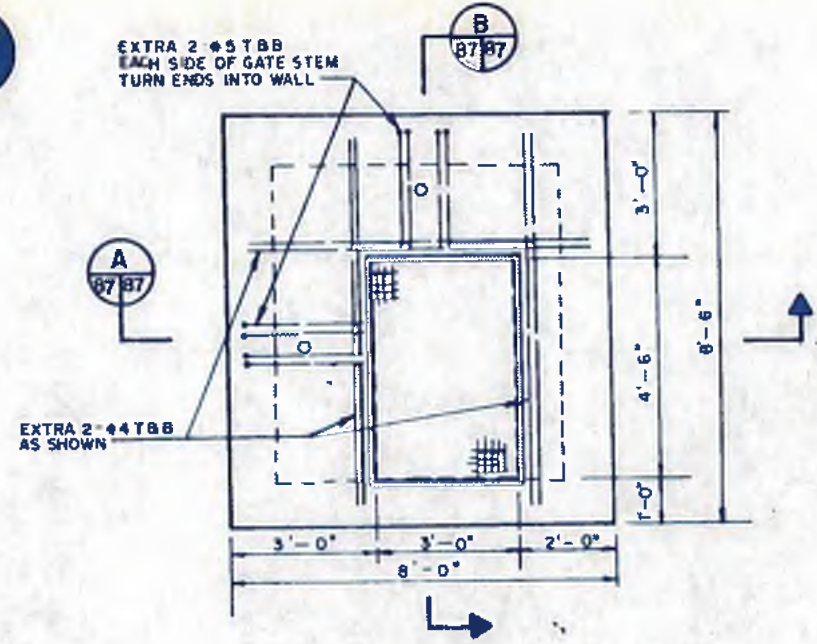
NO.	DATE	BY	DESCRIPTION	PLACED

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

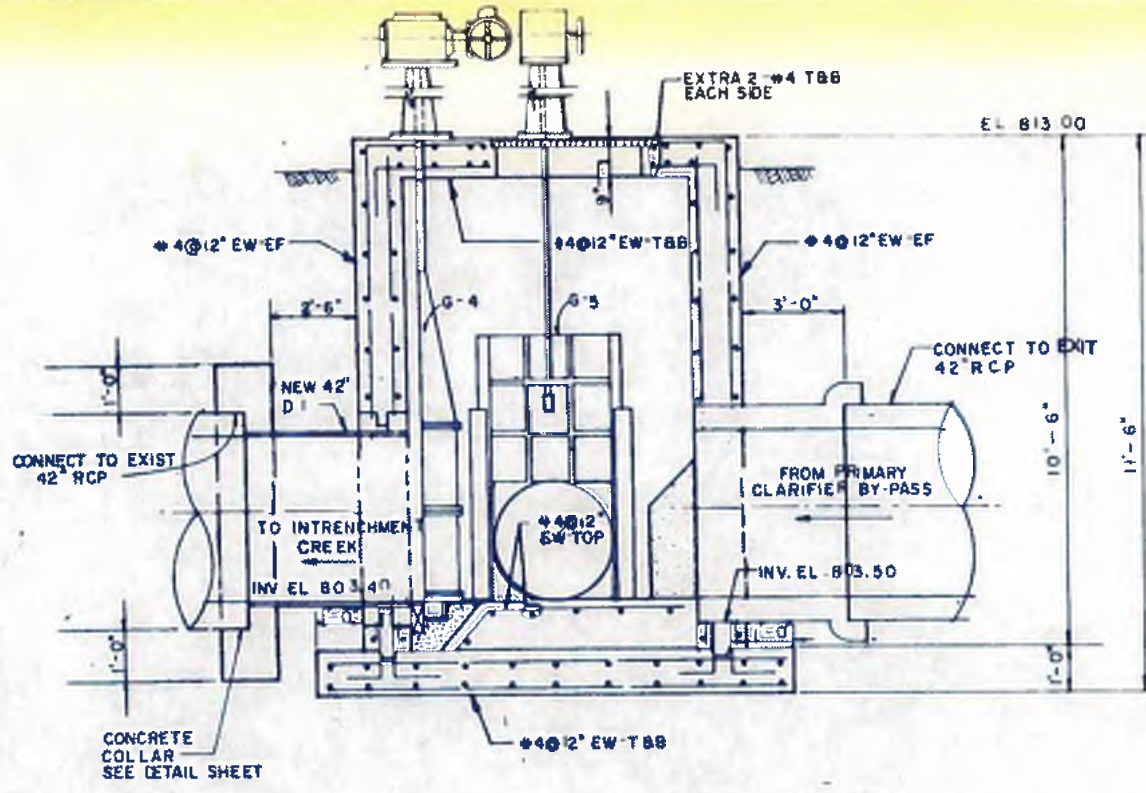
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY

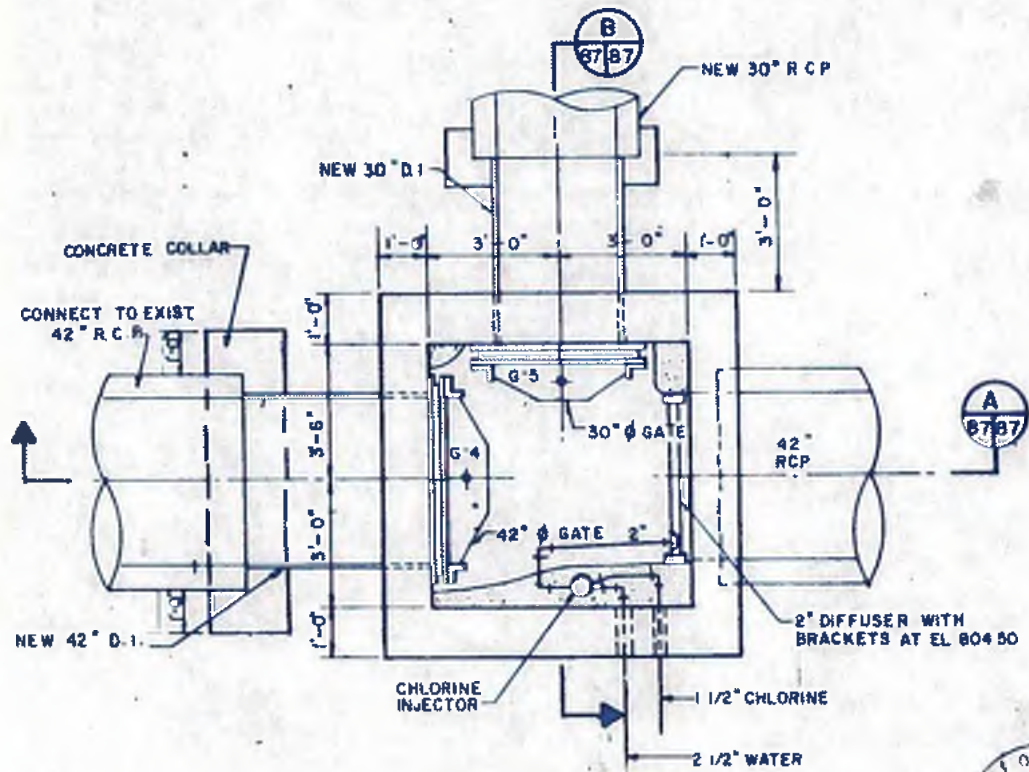
86



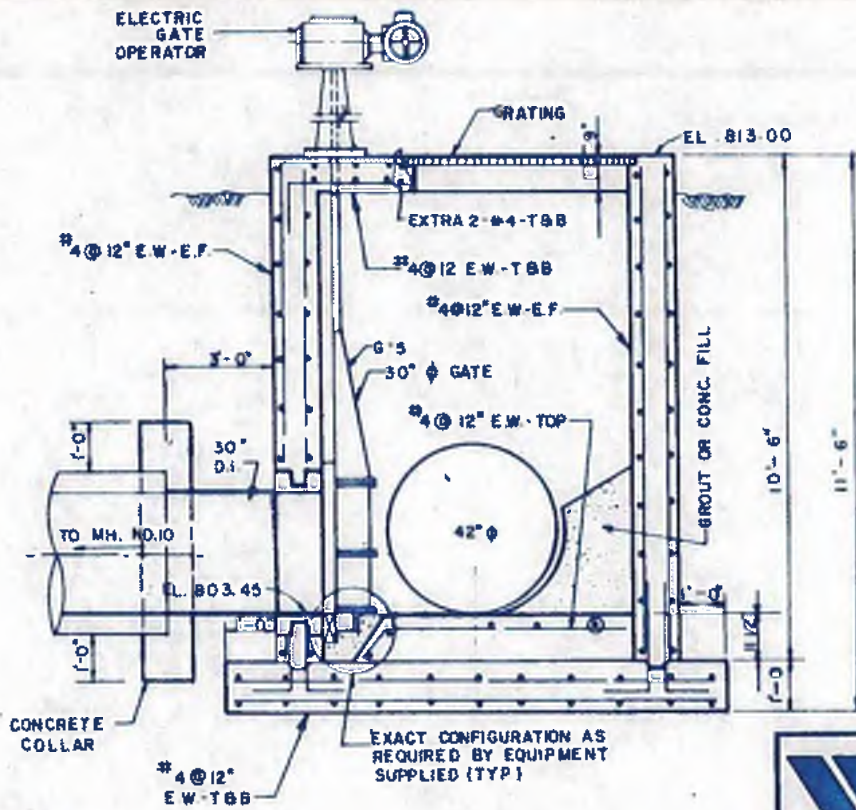
TOP PLAN



SECTION A



WALL PLAN



SECTION B



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INTRENCHMENT CREEK PLANT MODIFICATIONS
FLOW CONTROL STRUCTURES NO. 3



CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

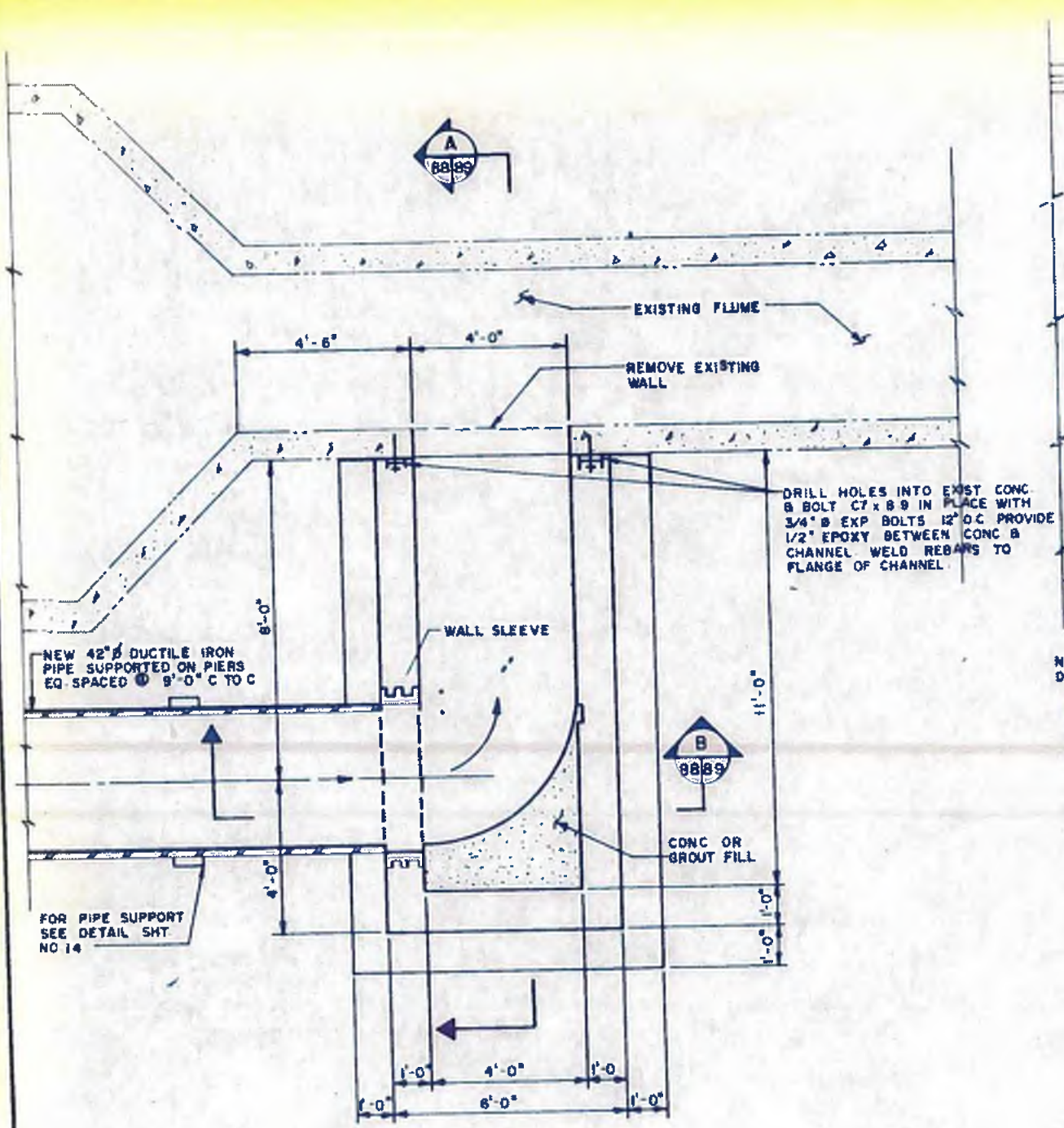
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

DRWN YGL APPROVED
DWG WC
CHK YGL SCALE 1/2" = 1'-0" DATE MAY 10, 1982

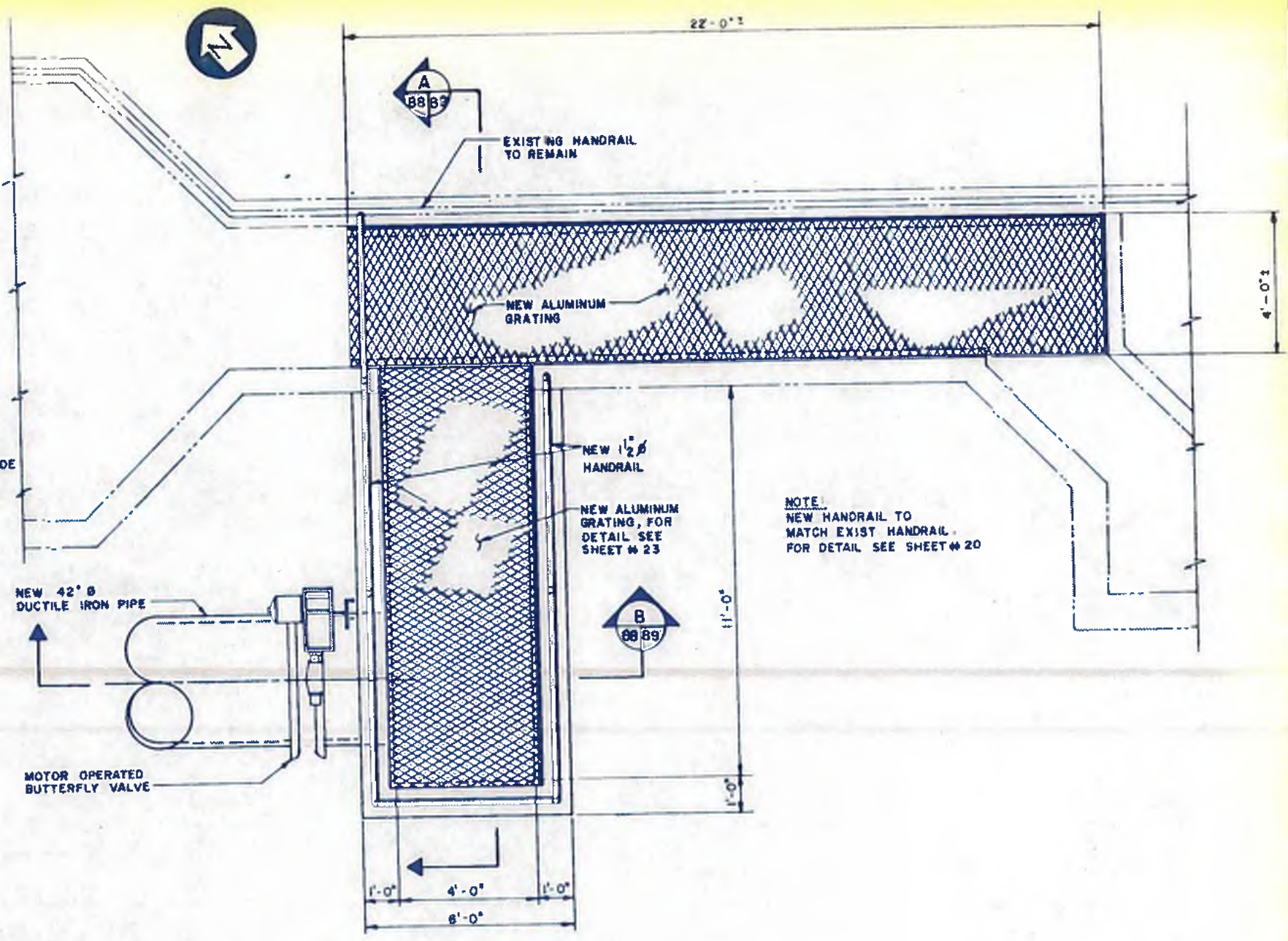
NO.	DATE	BY	DESCRIPTION	PLACE

LAND LOT: DISTRICT: COUNTY: SHEET NO. **87**

DRAWING NO. 4-3-4



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



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



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INTRENCHMENT CREEK PLANT MODIFICATIONS
TRICKLING FILTER
DISTRIBUTION FLUME
MODIFICATION PLAN

DRGN	BLS	APPROVED
DRWN	VLH	
CHKD	YGL	SCALE AS SHOWN DATE

NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

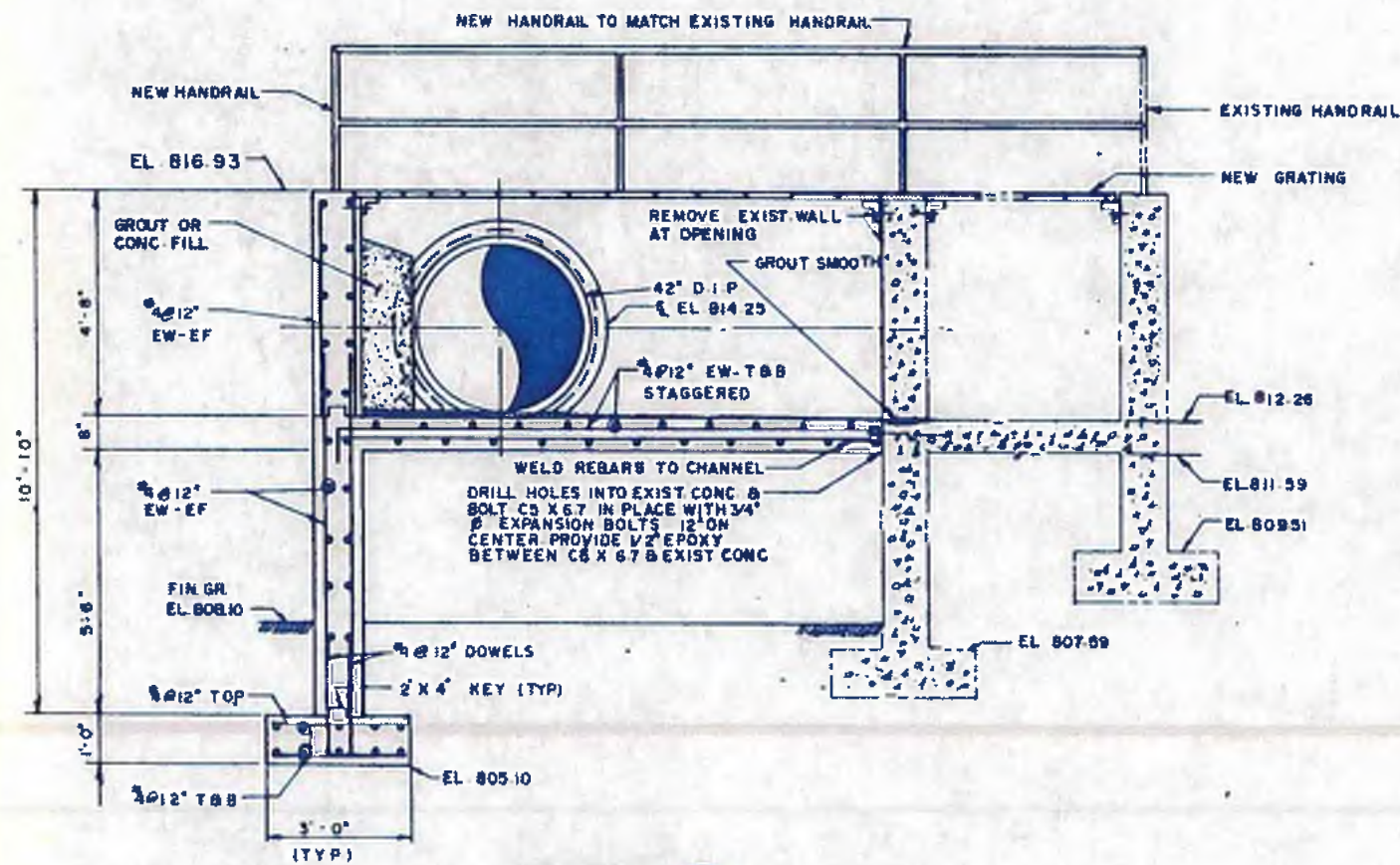
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY

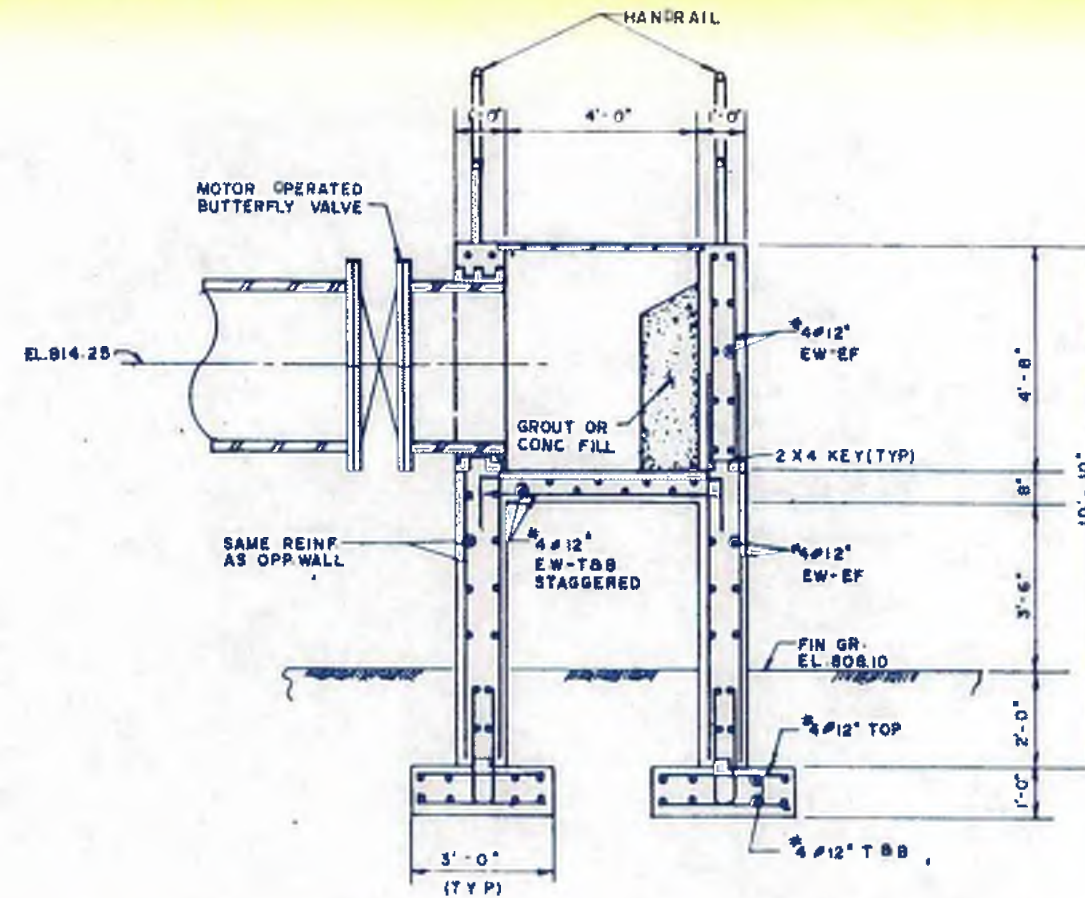
APPROVED

DRAWING NO. 4-5-5

88



SECTION A
1/2" = 1'-0"



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



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**INTRENCHMENT CREEK PLANT MODIFICATIONS
TRICKLING FILTER
DISTRIBUTION FLUME
MODIFICATIONS SECTIONS & DETAILS**

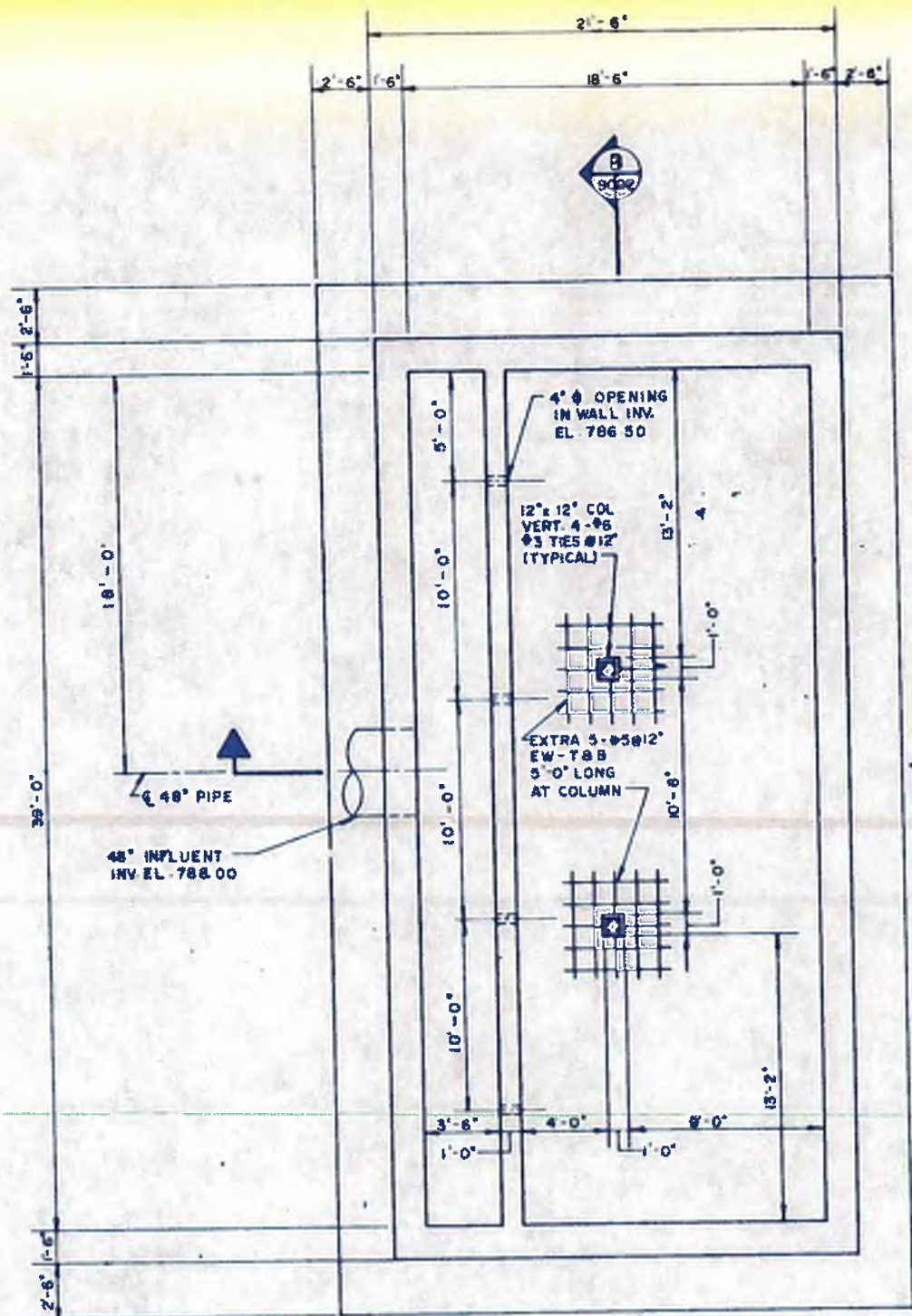
DATE: BLS APPROVED
DRAWN: VLH
CHECKED: YGL SCALE: AS SHOWN DATE:

NO.	DATE	BY	DESCRIPTION	PLACED
			REVISIONS	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

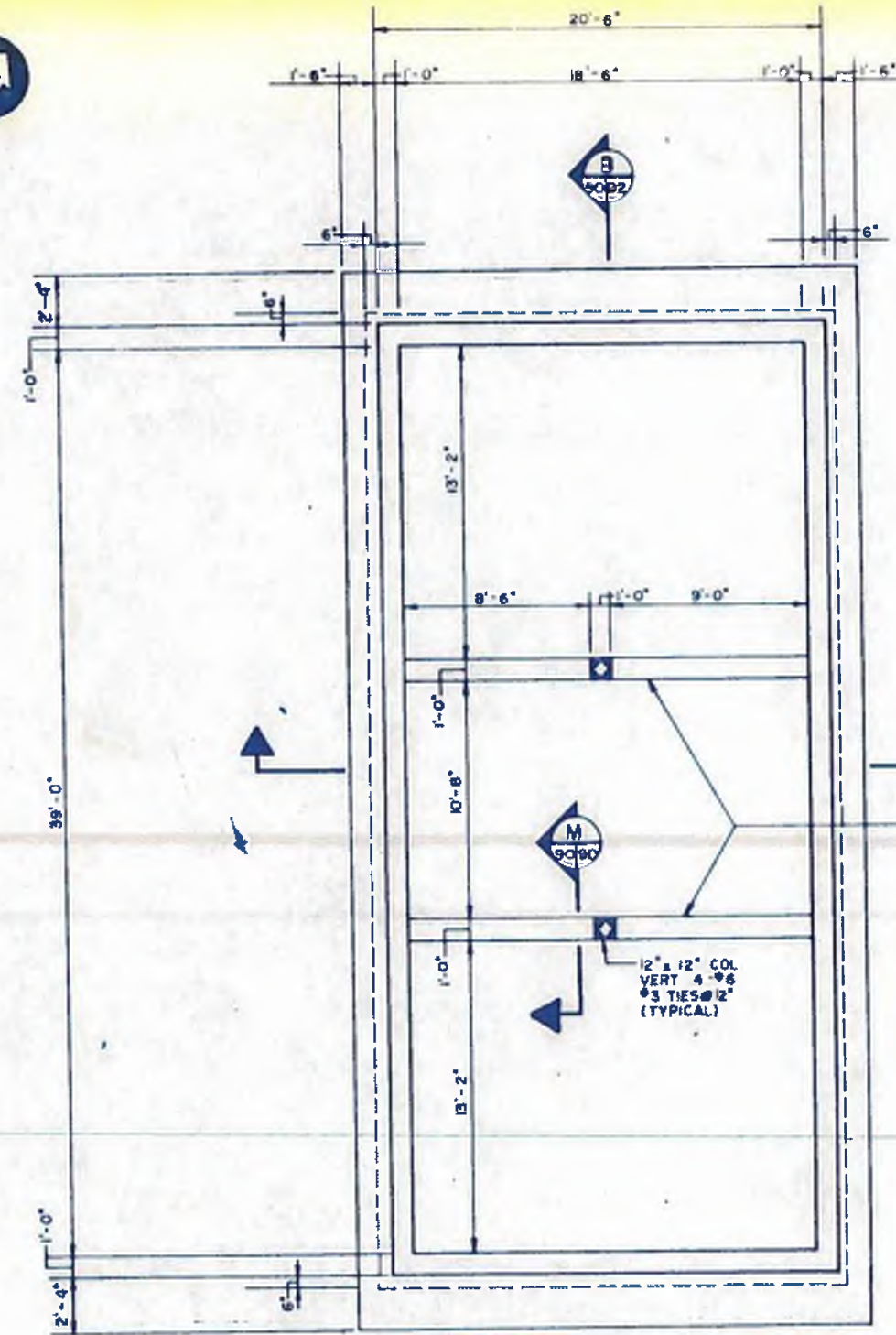
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		
DRAWING NO. 4-5-6		SHEET NO. 89



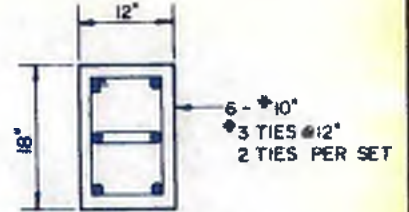
FOUNDATION PLAN

SCALE $\frac{1}{4}'' = 1'-0''$

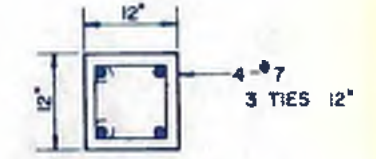


INTERMEDIATE PLAN

SCALE $\frac{1}{4}'' = 1'-0''$



SECTION M



SECTION N



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INTRENCHMENT CREEK PLANT MODIFICATIONS
EFFLUENT PUMPING STATION
PLANS



CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

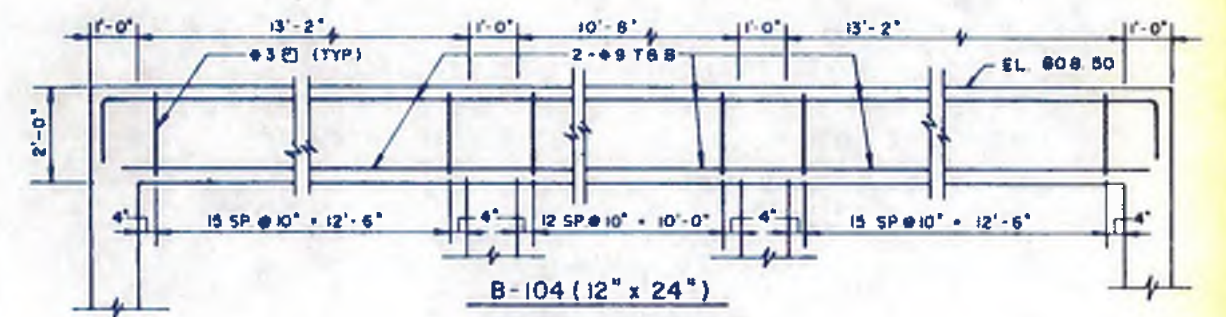
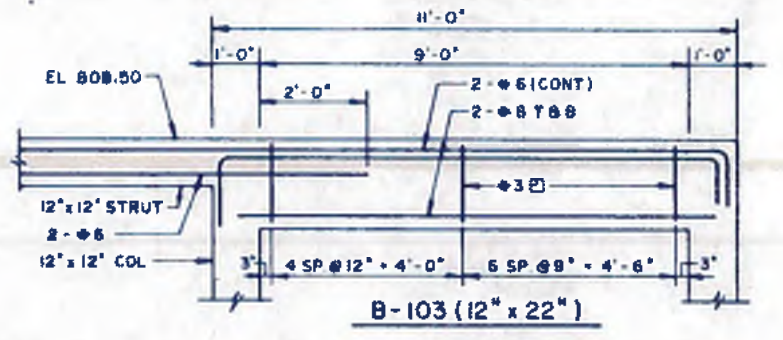
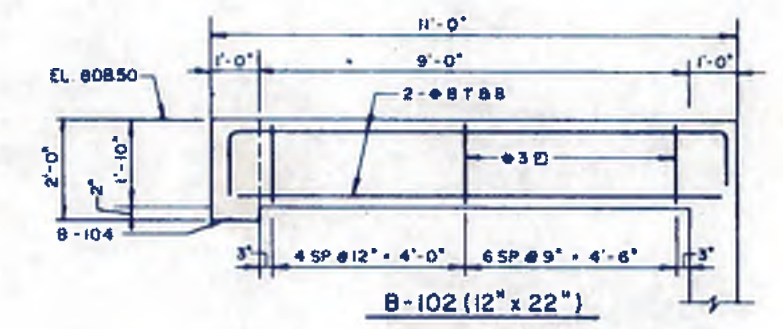
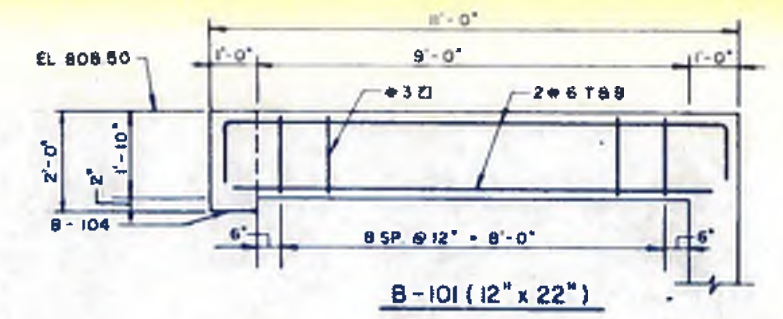
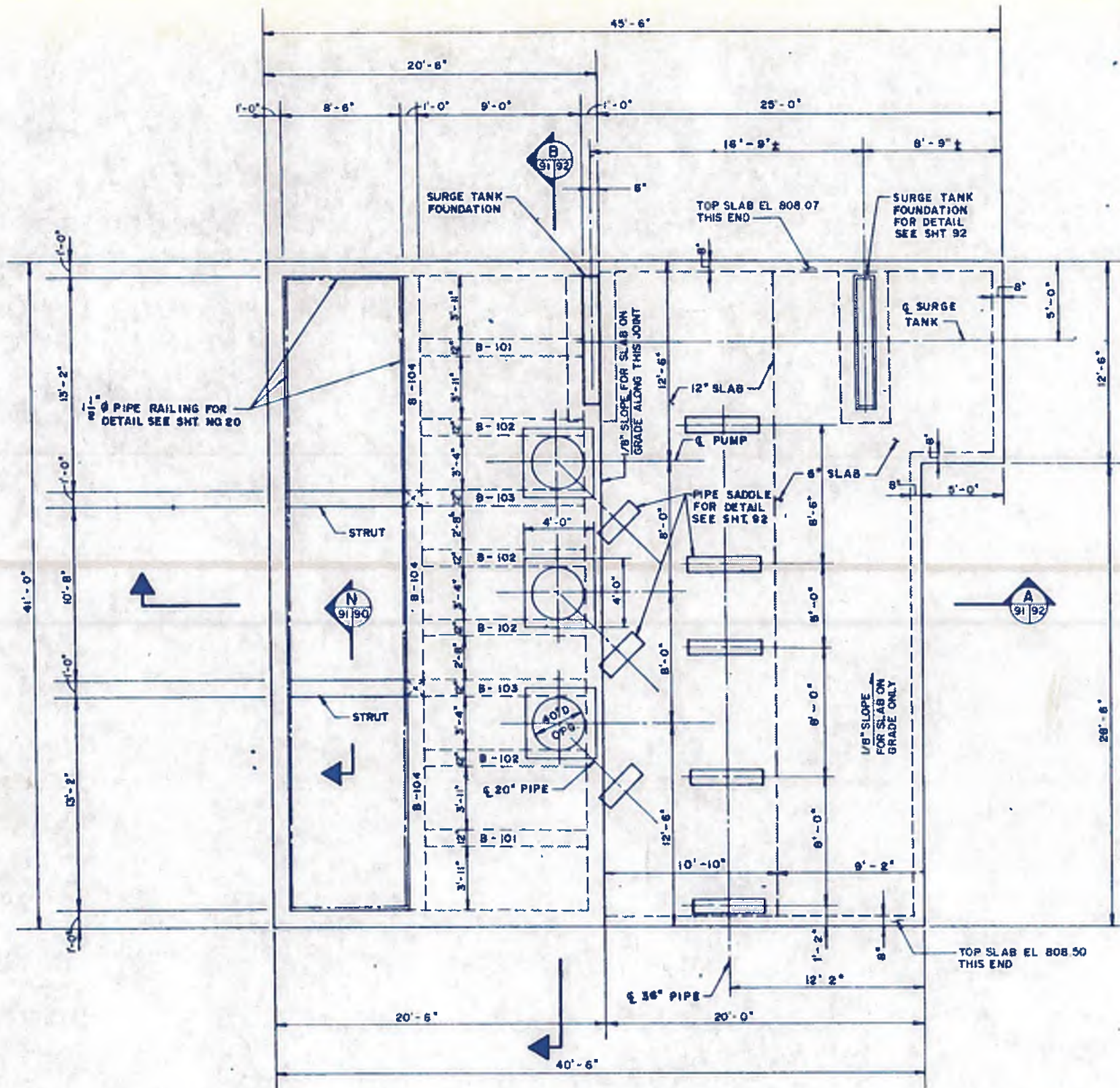
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

ORGN KYM APPROVED
 ORGN V.L.H.
 CHD YGL SCALE AS SHOWN DATE

NO.	DATE	BY	DESCRIPTION	PLACES

LANG LOT APPROVED DISTRICT COUNTY SHEET NO. **90**

DRAWING NO. **4-5-7**



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

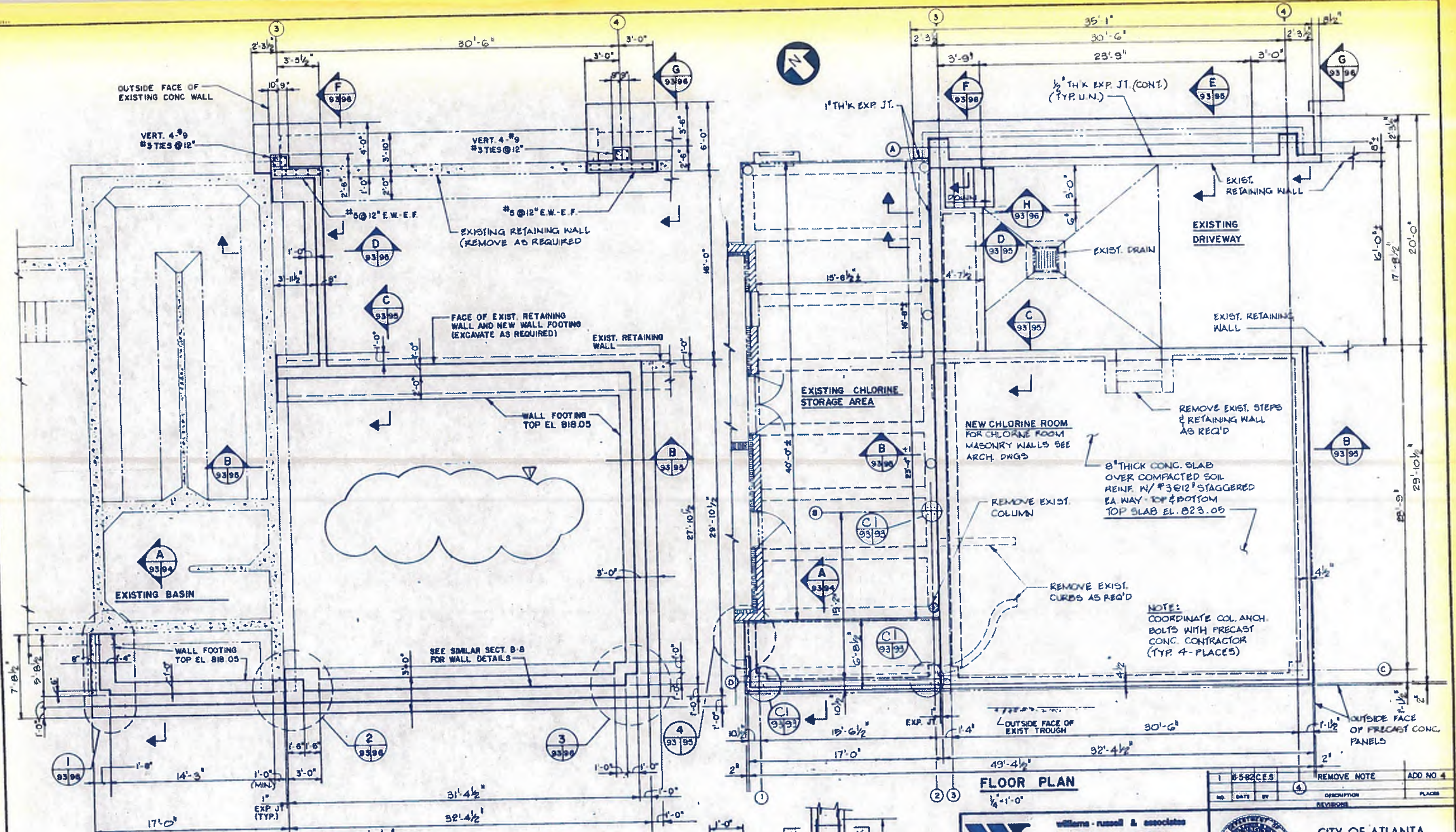


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INTRENCHMENT CREEK PLANT MODIFICATIONS
EFFLUENT PUMPING STATION
PLANS & DETAILS

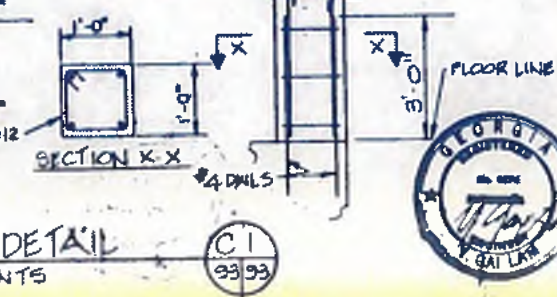
ORDER: KYM APPROVED
DRAWN: VH
CHECKED: YGL SCALE: AS SHOWN

NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				
 CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND USE	DISTRICT	COUNTY	SHEET NO.	
APPROVED			91	
DRAWING NO.	4-38			



FOUNDATION PLAN
1/4" = 1'-0"

FLOOR PLAN
1/8" = 1'-0"



NOTE:
COORDINATE COL. ANCH. BOLTS WITH PRECAST CONC. CONTRACTOR (TYP. 4-PLACES)



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**INTRENCHMENT CREEK PLANT MODIFICATIONS
CHLORINE BUILDING
FOUNDATION AND FLOOR PLAN**



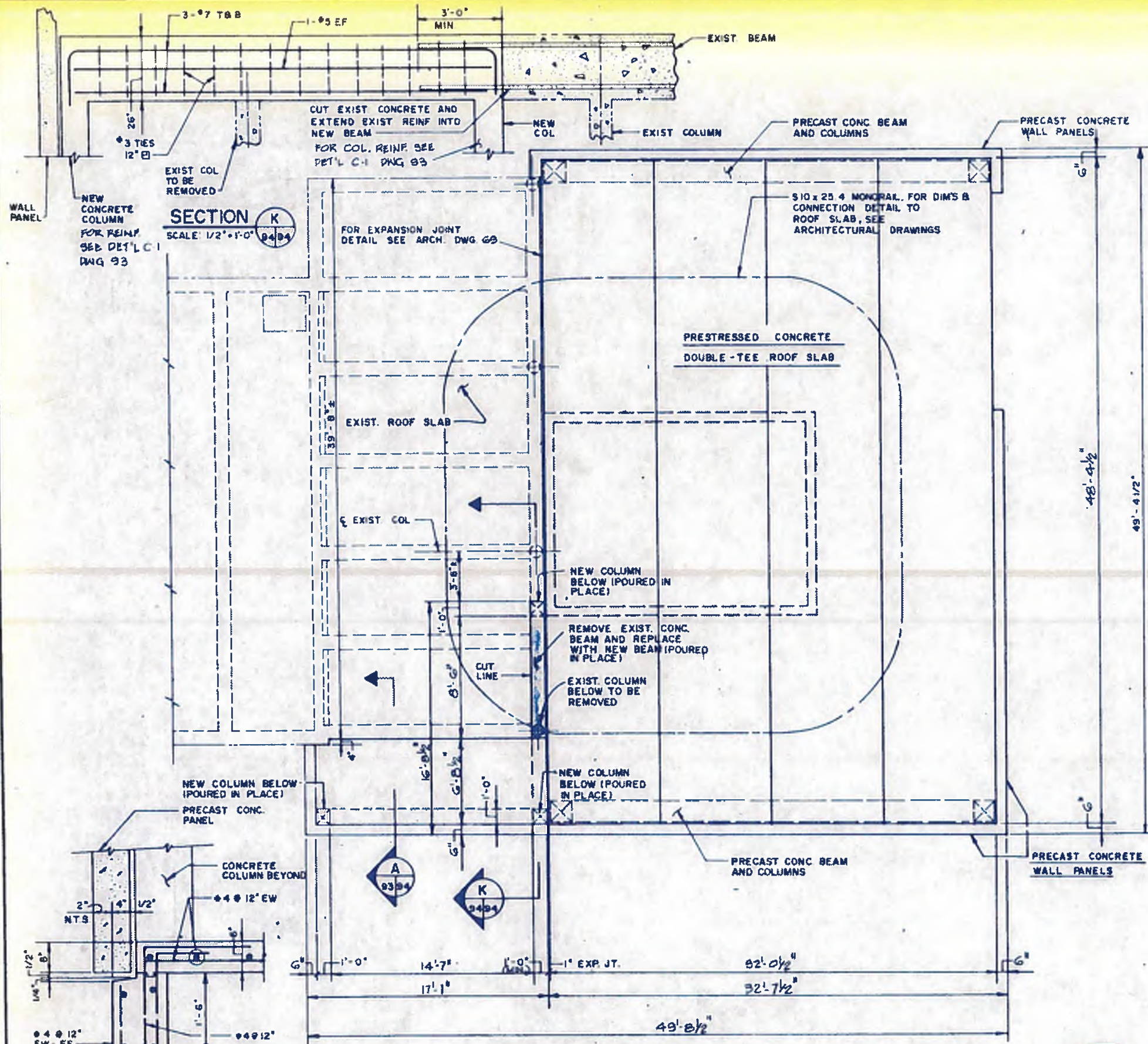
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

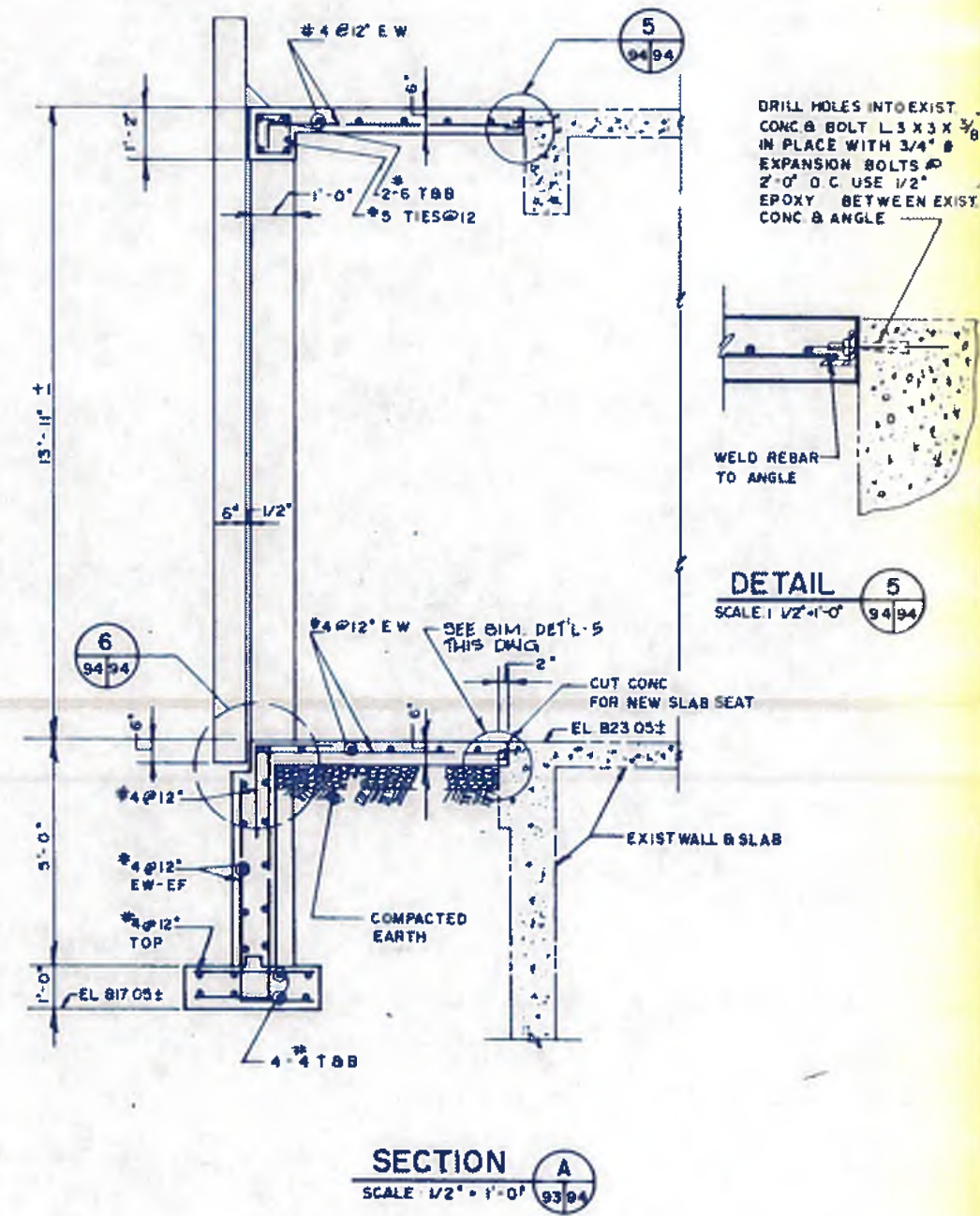
LAND LOT	DISTRICT	COUNTY
APPROVED		BEST NO.
DATE		93
CHANGING NO.	4-5-10	

DRGN KYM APPROVED
DRAW VLH
CHG YGL SCALE AS SHOWN MAY 10, 1982

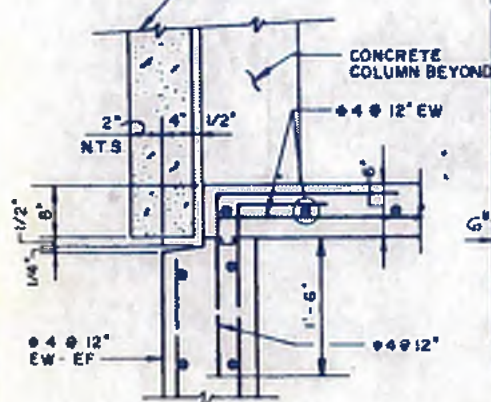
1 85-82.C.E.S. REMOVE NOTE ADD NO 4



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



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



DETAIL 6
SCALE: 1" = 1'-0"

NOTE: DETAIL 6 SHALL BE THE TYPICAL DETAIL FOR RECESS SIZE IN FOUND WALL FOR PRECAST SECTION.



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**INTRENCHMENT CREEK PLANT MODIFICATIONS
CHLORINE BUILDING
ROOF PLAN AND SECTIONS (STRUCT.)**

DRW: KYM APPROVED
DWN: VH
CHK: YGL SCALE: AS SHOWN DATE: MAY 10, 1982

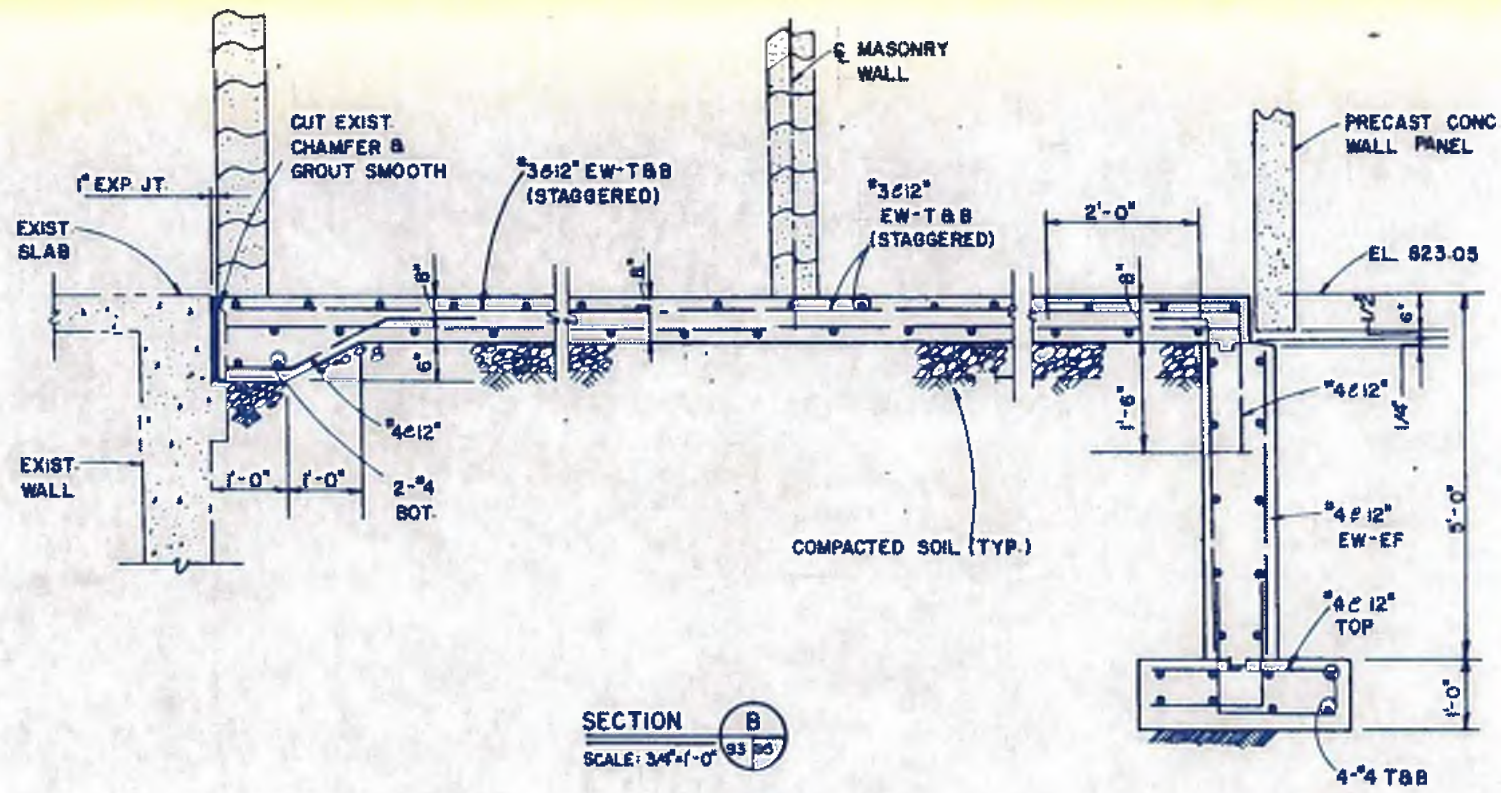
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

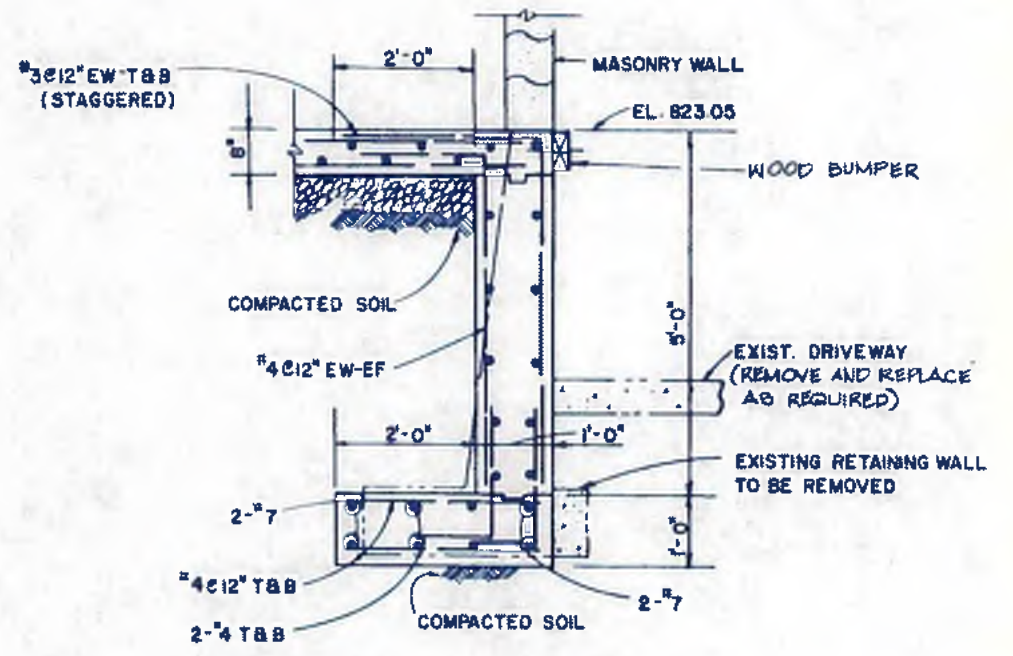
NO.	DATE	BY	DESCRIPTION	PLACED
REVISIONS				

LAND LOT: _____ DISTRICT: _____ COUNTY: _____

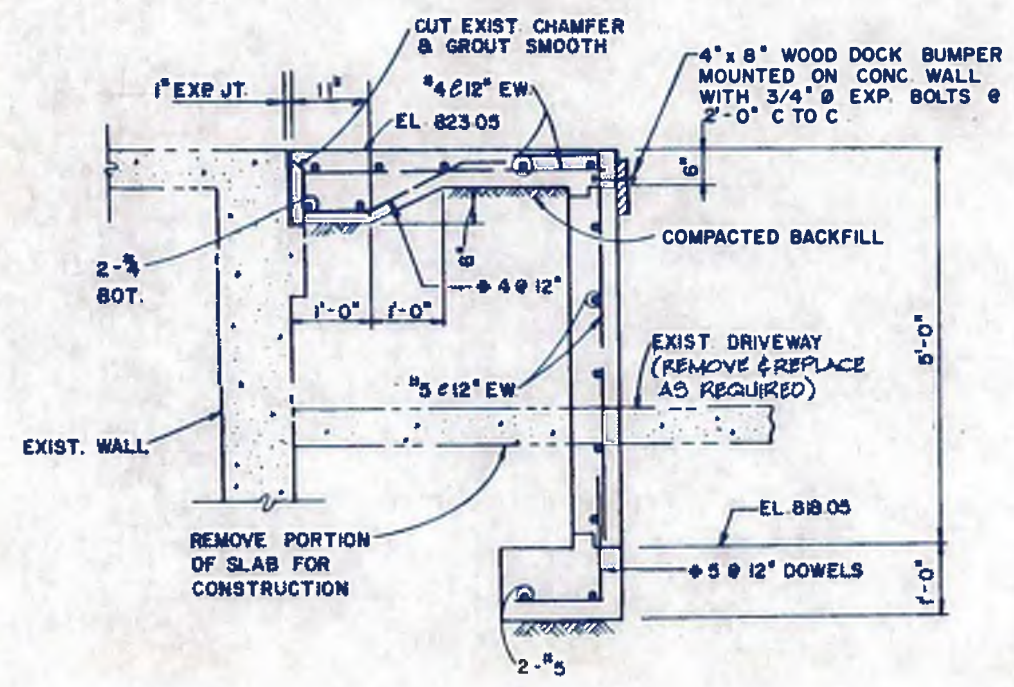
APPROVED: _____ SHEET NO. **94**



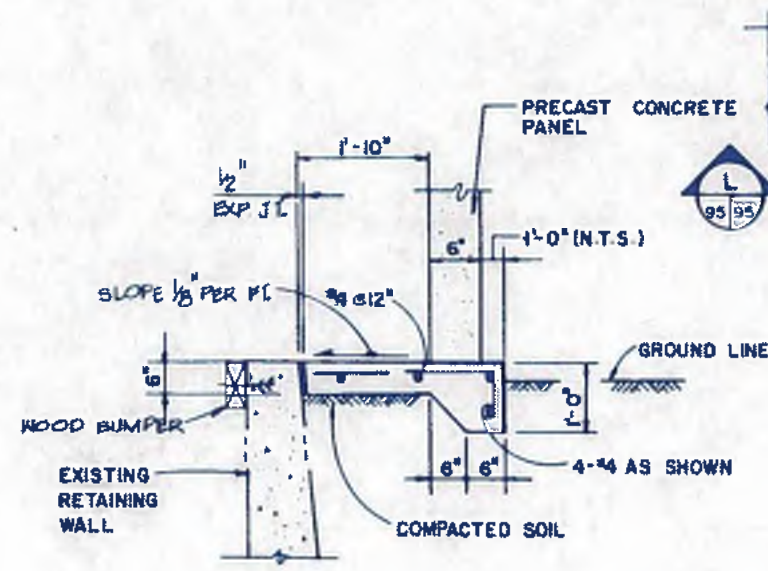
SECTION B
SCALE: 3/4"=1'-0"
93/95



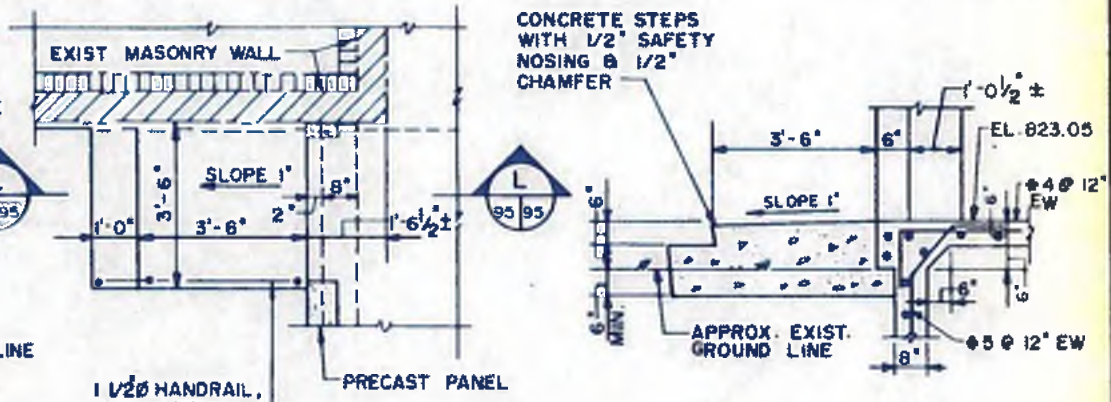
SECTION C
SCALE: 3/4"=1'-0"
93/95



SECTION D
SCALE: 3/4"=1'-0"
93/95



SECTION E
SCALE: 3/4"=1'-0"
93/95



PLAN

DETAIL 4
SCALE: 1/2"=1'-0"
93/95

SECTION L
93/95



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INTRENCHMENT CREEK PLANT MODIFICATIONS
CHLORINE BUILDING
SECTIONS

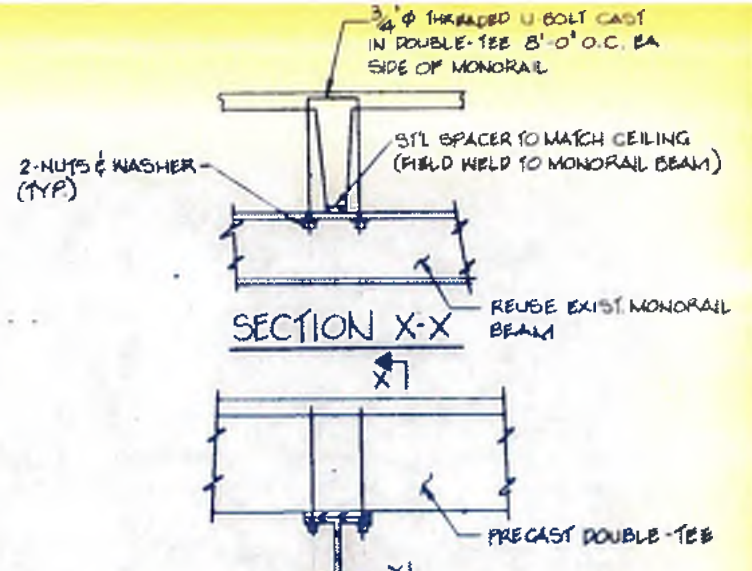
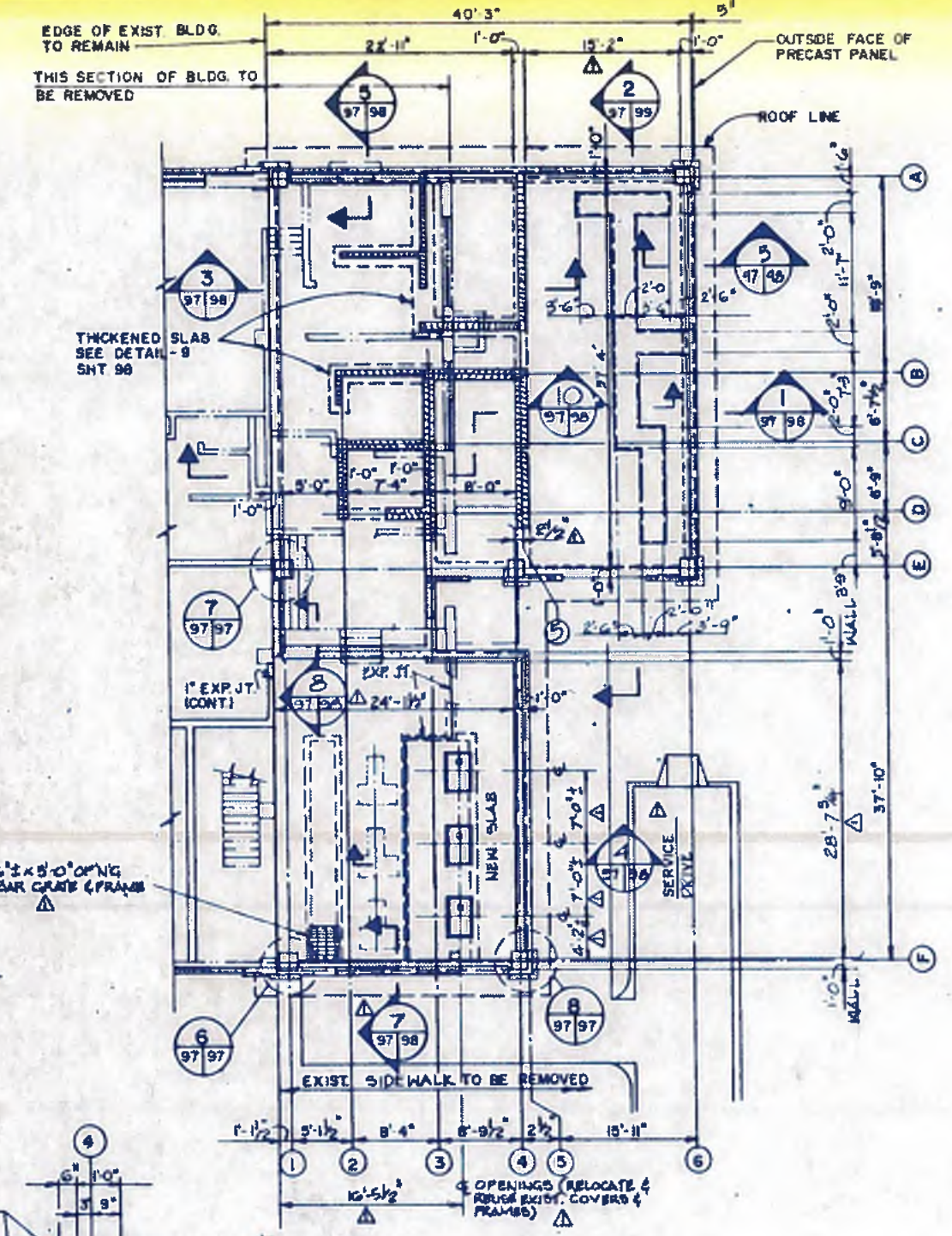
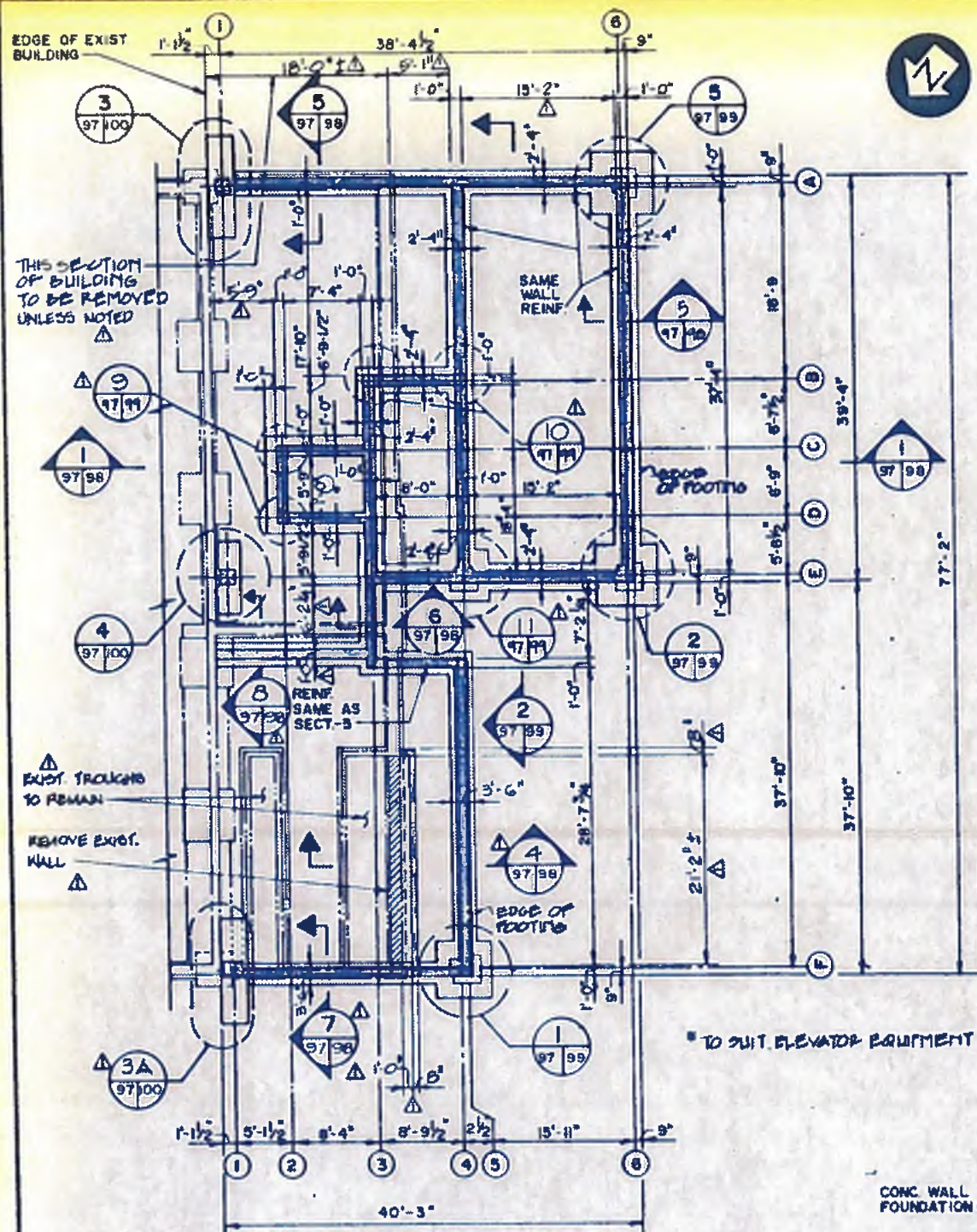


CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

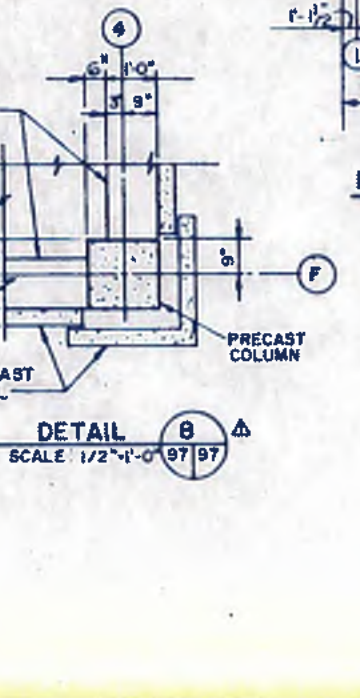
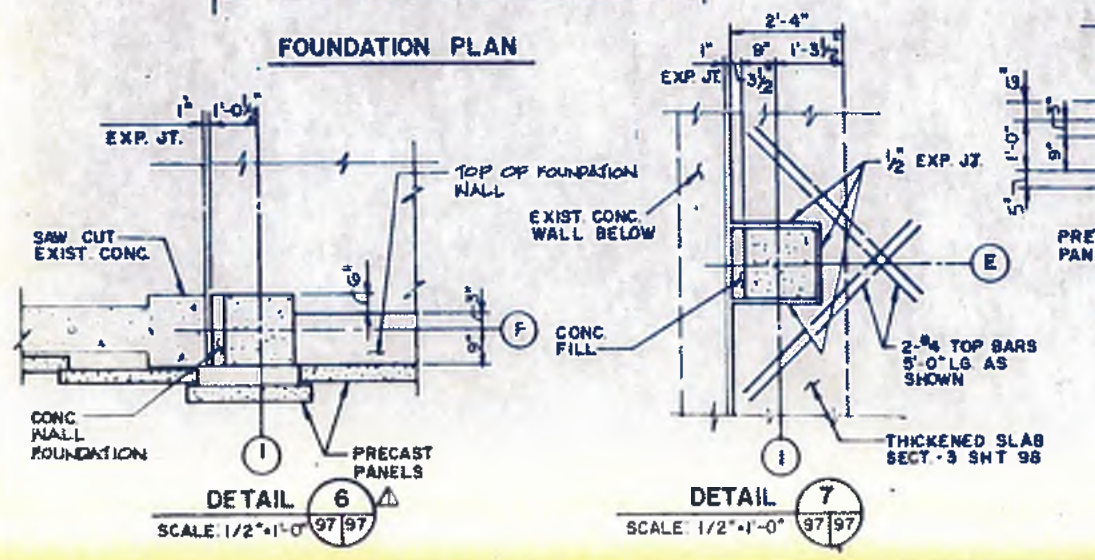
NO.	DATE	BY	DESCRIPTION	PLACED

DESIGN	YGL	APPROVED		
DRAWN	GS			
CHECKED	YGL	SCALE: AS SHOWN	DATE: MAY 10, 1982	DRAWING NO: 4-5-12



DETAIL OF MONORAIL INSTALLATION

- NOTES
- The Contractor shall coordinate all openings for the mechanical equipment in the precast double-tee roof units. The precast subcontractor shall consider the effect of the openings in the precast double-tee's and reinforce the units as necessary.
 - The precast manufacturer is responsible for the structural design of all precast units. The building shall be capable of withstanding horizontal wind forces of 30 p.s.f. in each direction of the building. The horizontal wind forces shall be resisted by two or more precast concrete panels on each side of the building, acting as wind bracing.
 - All precast concrete connections for exterior wall panels, double-tee's, beams and columns shall be designed and detailed by the precast manufacturer. The connections shall be adequate to transfer horizontal forces and uplift forces due to wind, to the foundations.
 - The contractor shall coordinate the location of all anchor bolts and miscellaneous metal used to fasten the precast units to the slab and foundation.
 - Underneath footings A-6, E-6, E-4 and F-4, the existing fill soil material shall be removed to reach residual soils, capable of resisting bearing stresses of 4000 p.s.f. The unsuitable fill material shall be replaced with suitable structural fill material, properly compacted and capable of resisting bearing stresses of 3000 p.s.f.
 - Underneath the continuous footings and the slab, where unsuitable material is encountered it shall be replaced with properly compacted structural fill.
 - Refer to Architectural Drawings for locations of interior walls, precast concrete panels, columns and other Architectural features.
 - For structural general notes and standard details, see drawing No. 4-5-23.



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
PLANS

NO.	DATE	BY	GEN. REV.	DESCRIPTION	APP. NO. 3	PLACES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: _____ DISTRICT: _____ COUNTY: _____

APPROVED: _____

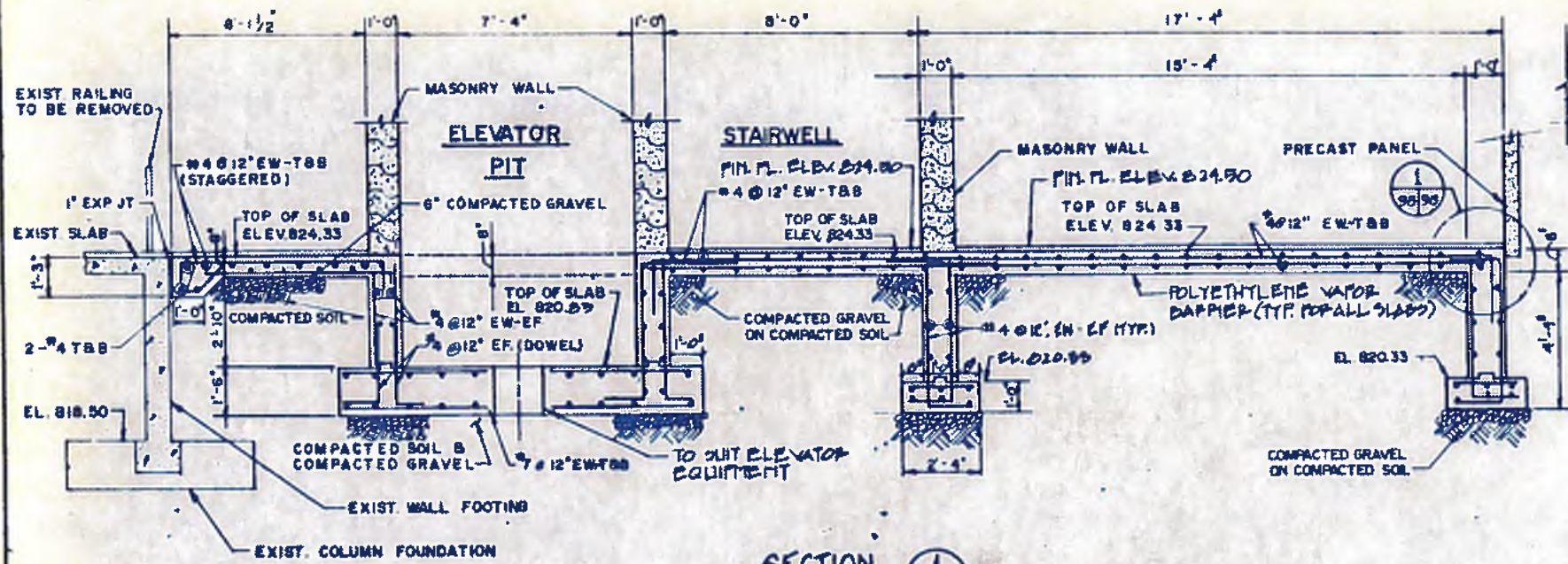
DRAWING NO. 4-5-14

SHEET NO. 97

DESIGN: KYM APPROVED: _____

DRAWN: VH

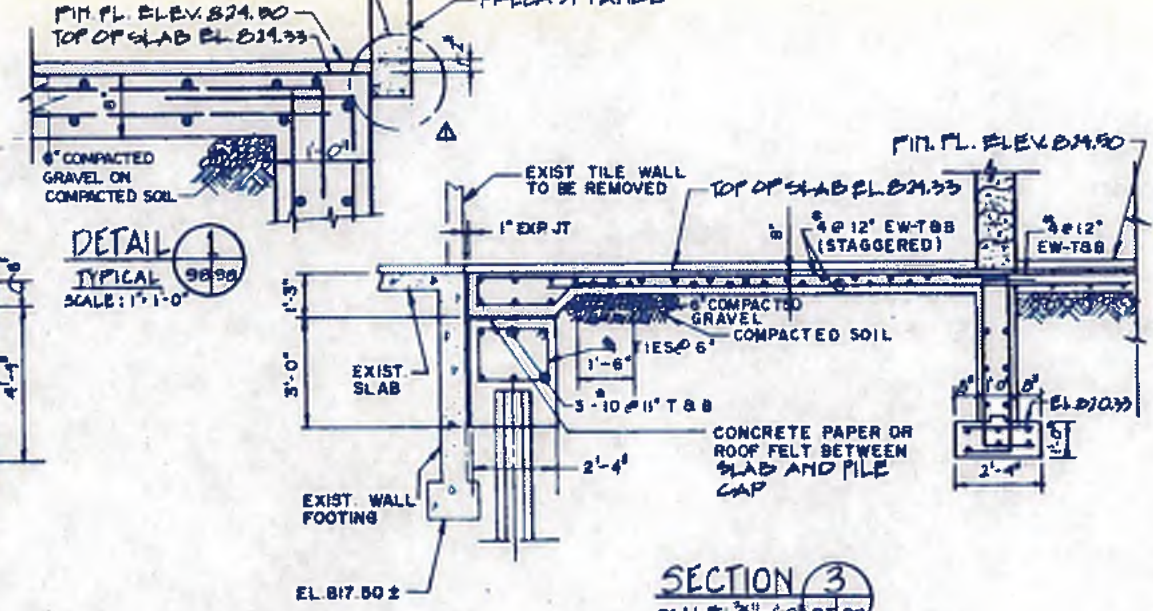
CHECKED: YGL SCALE: 1/8" = 1'-0" DATE: MAY 10, 1982



SECTION 1
SCALE: 3/8" = 1'-0"
97/98

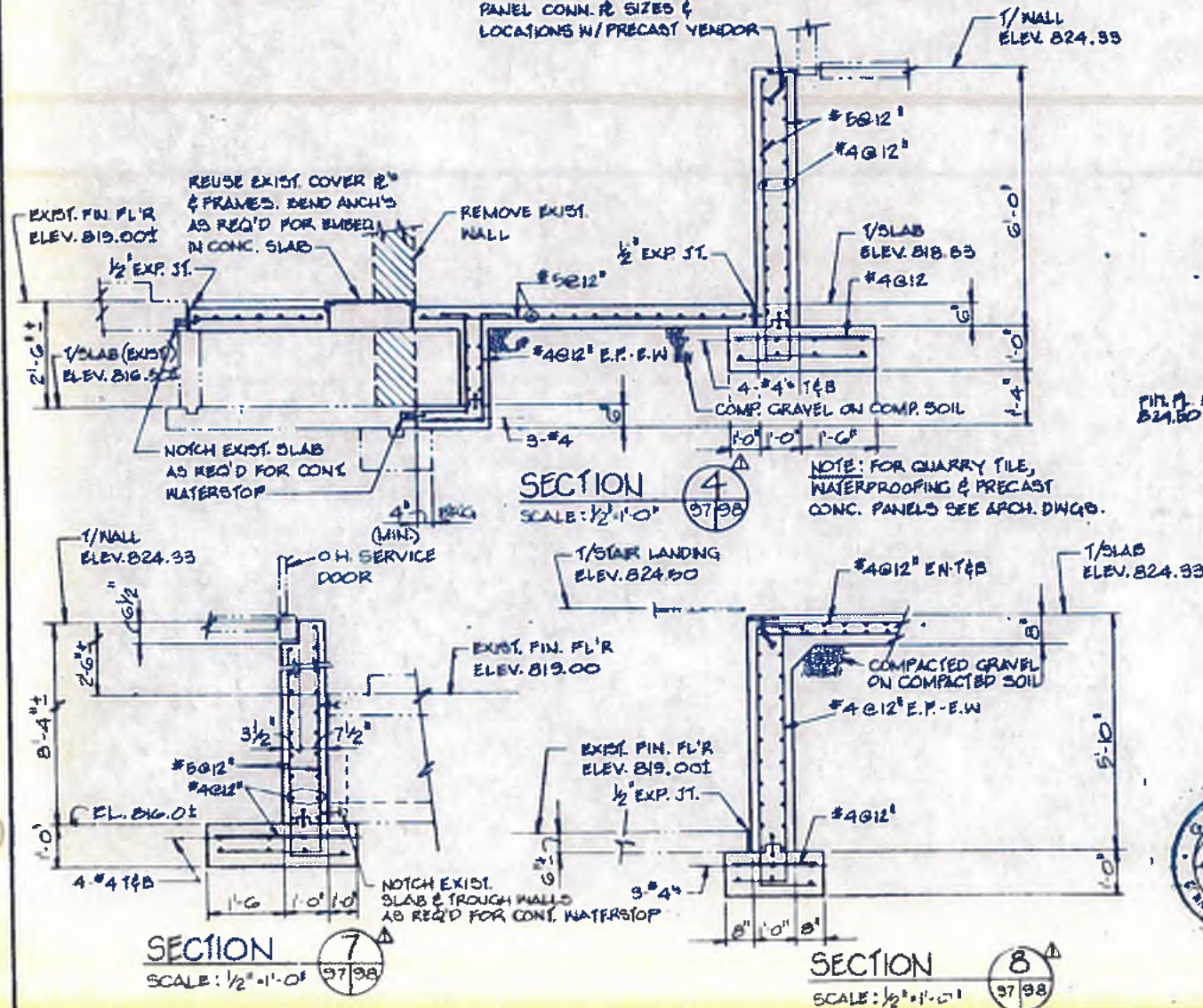
COORDINATE PRECAST CONC. PANEL CONN. R. SIZES & LOCATIONS W/ PRECAST VENDOR

REFER TO ARCHITECTURAL DRAWINGS FOR CONNECTION AND SUPPORT OF PRECAST CONCRETE PANEL



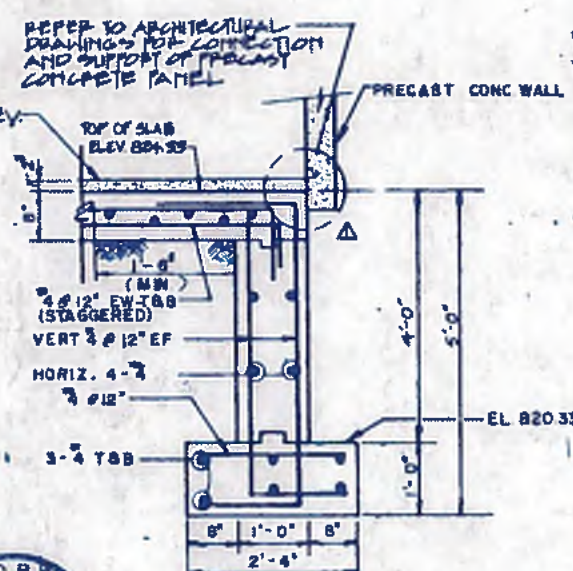
DETAIL
TYPICAL
SCALE: 1" = 1'-0"
98/98

SECTION 3
SCALE: 3/8" = 1'-0"
97/98

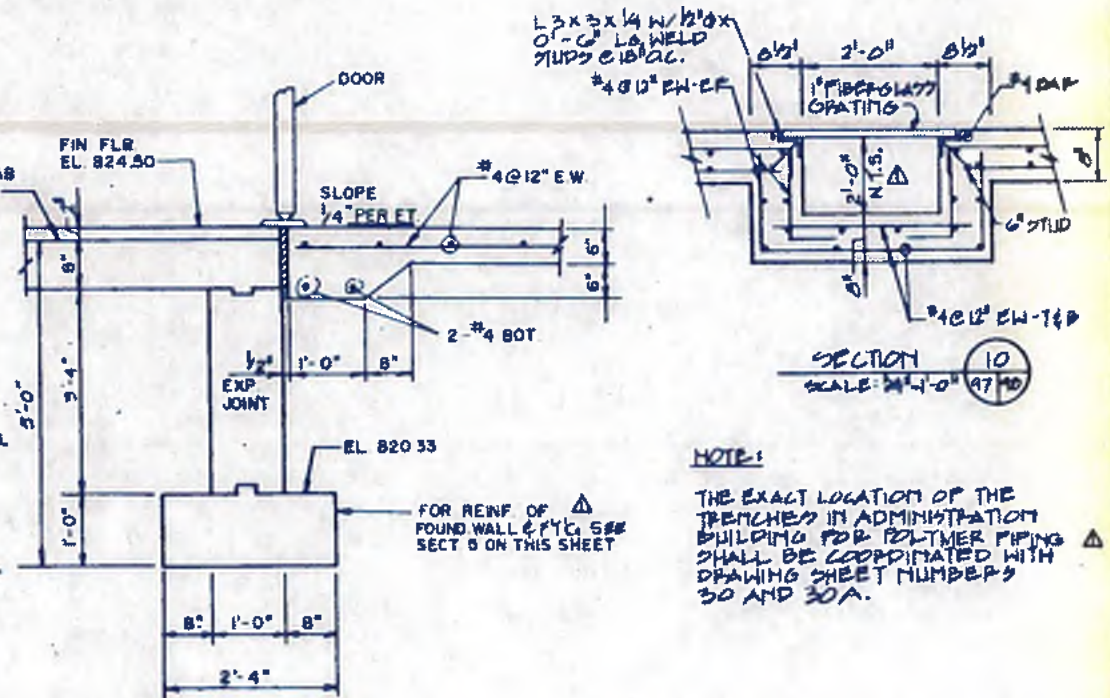


SECTION 4
SCALE: 1/2" = 1'-0"
97/98

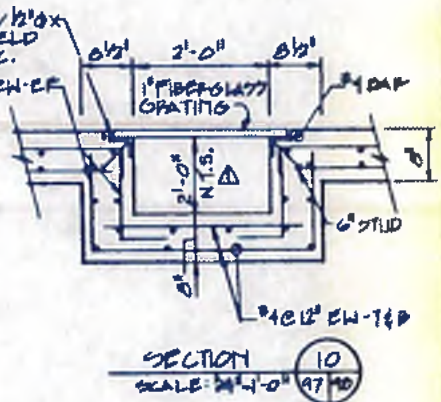
NOTE: FOR QUARRY TILE, WATERPROOFING & PRECAST CONC. PANELS SEE ARCH. DWG. 9.



SECTION 5
SCALE: 3/4" = 1'-0"
97/98



SECTION 6
SCALE: 3/4" = 1'-0"
97/98



SECTION 10
SCALE: 3/4" = 1'-0"
97/98

NOTE: THE EXACT LOCATION OF THE TRENCHES IN ADMINISTRATION BUILDING FOR POLYMER PIPING SHALL BE COORDINATED WITH DRAWING SHEET NUMBERS 30 AND 30A.

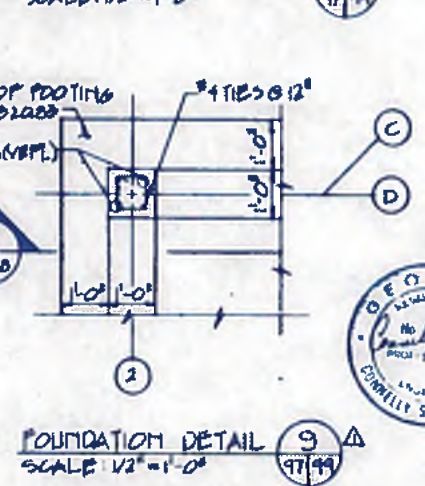
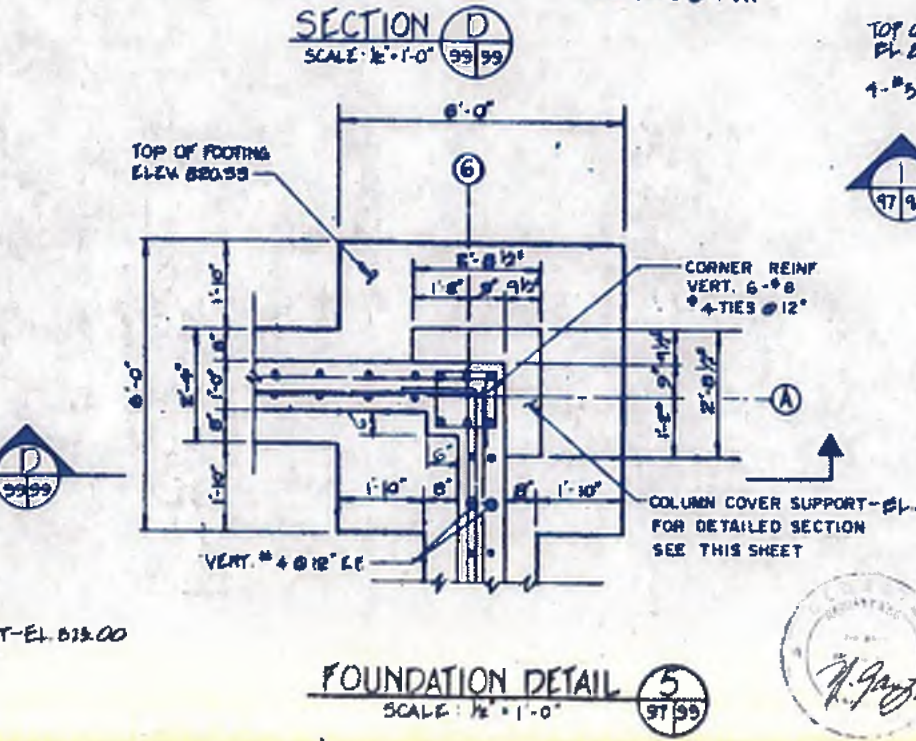
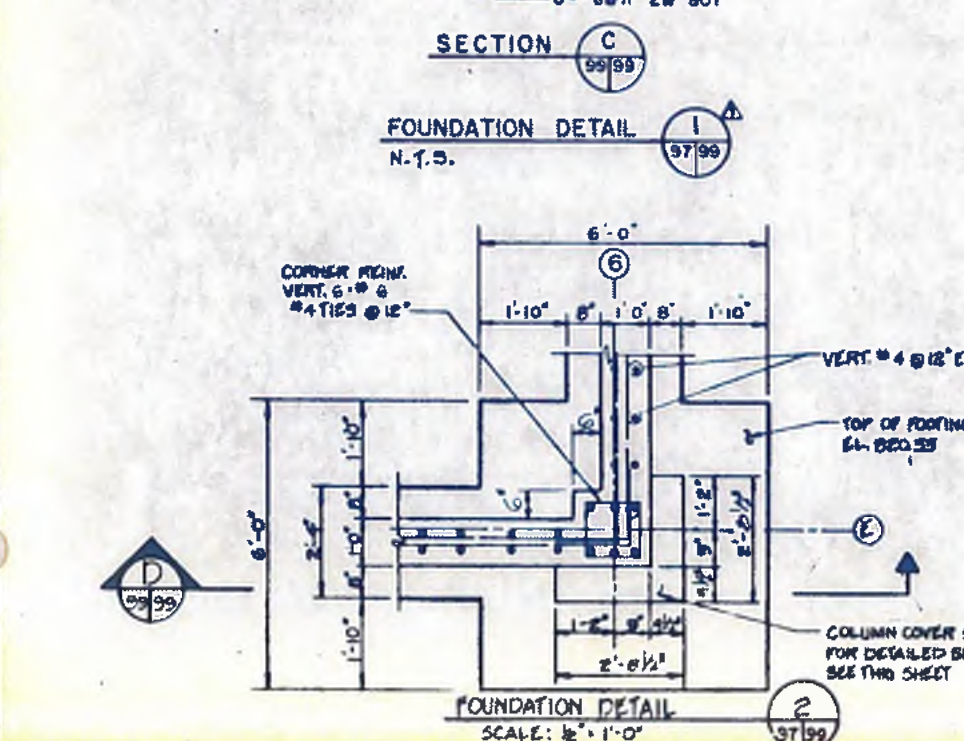
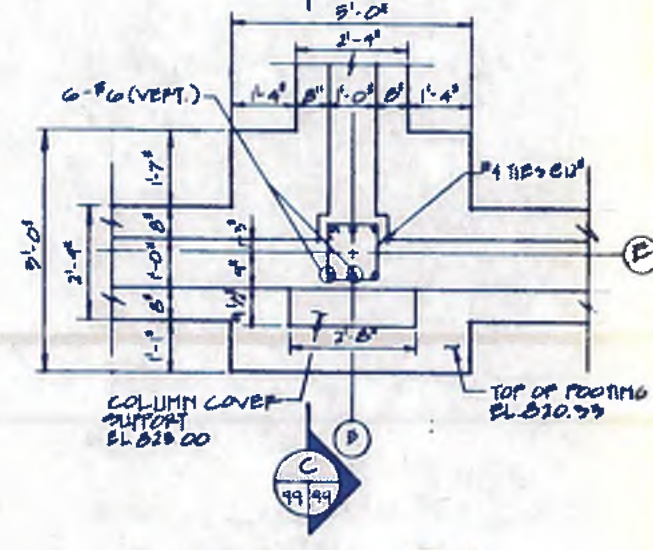
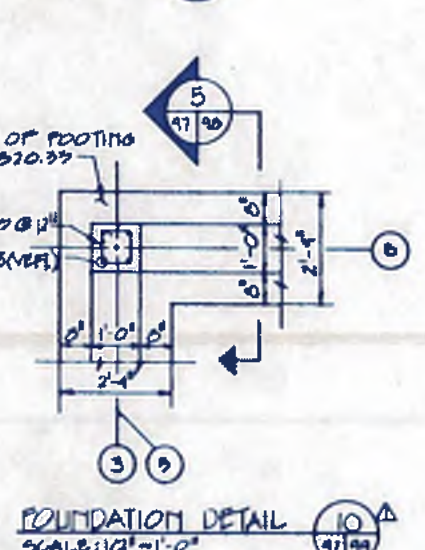
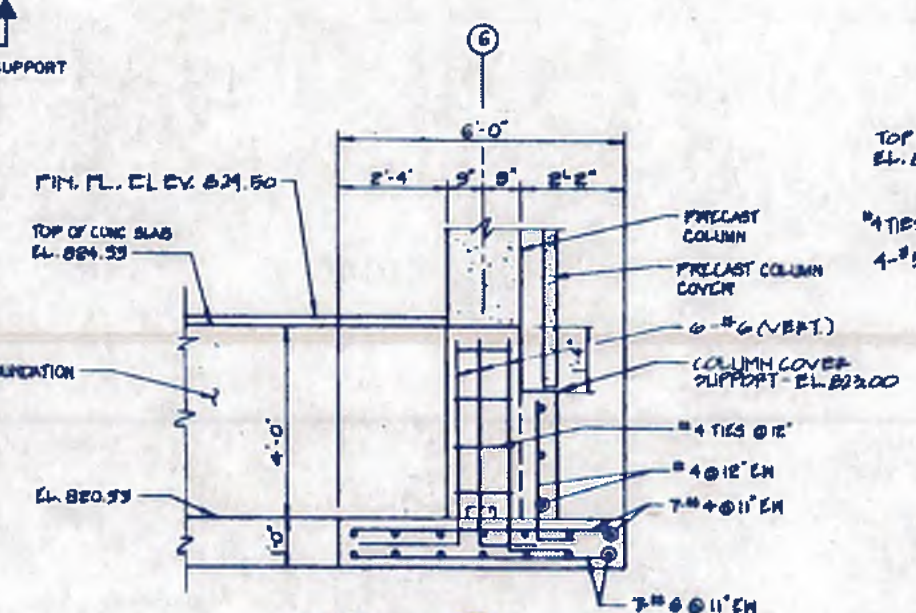
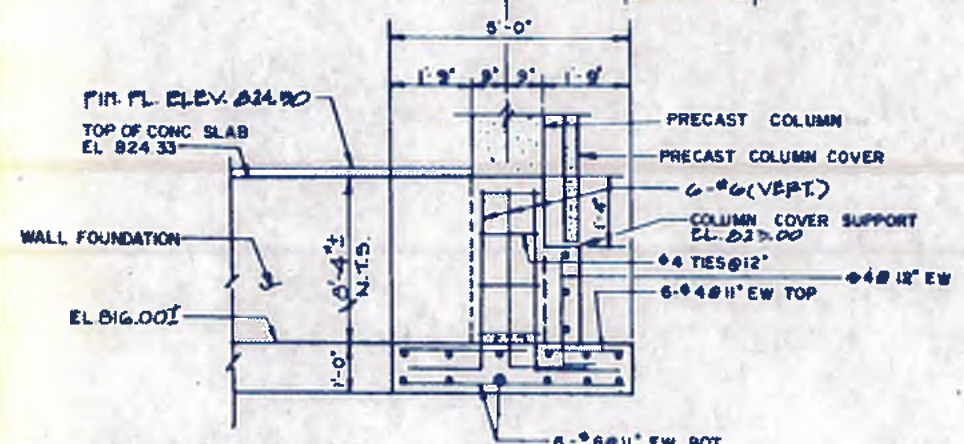
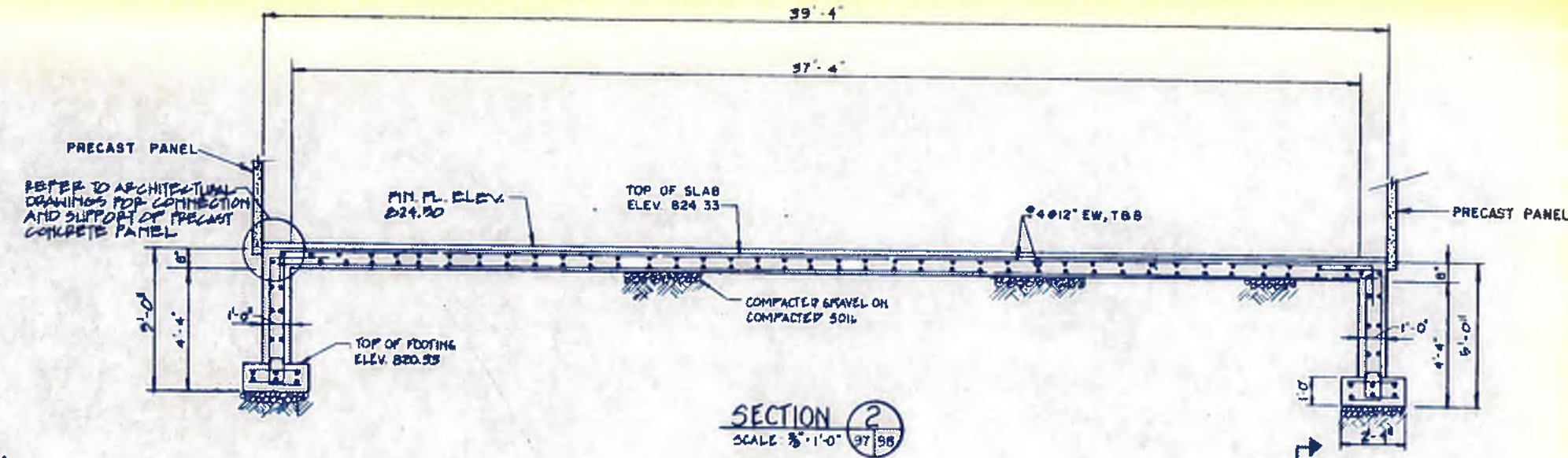
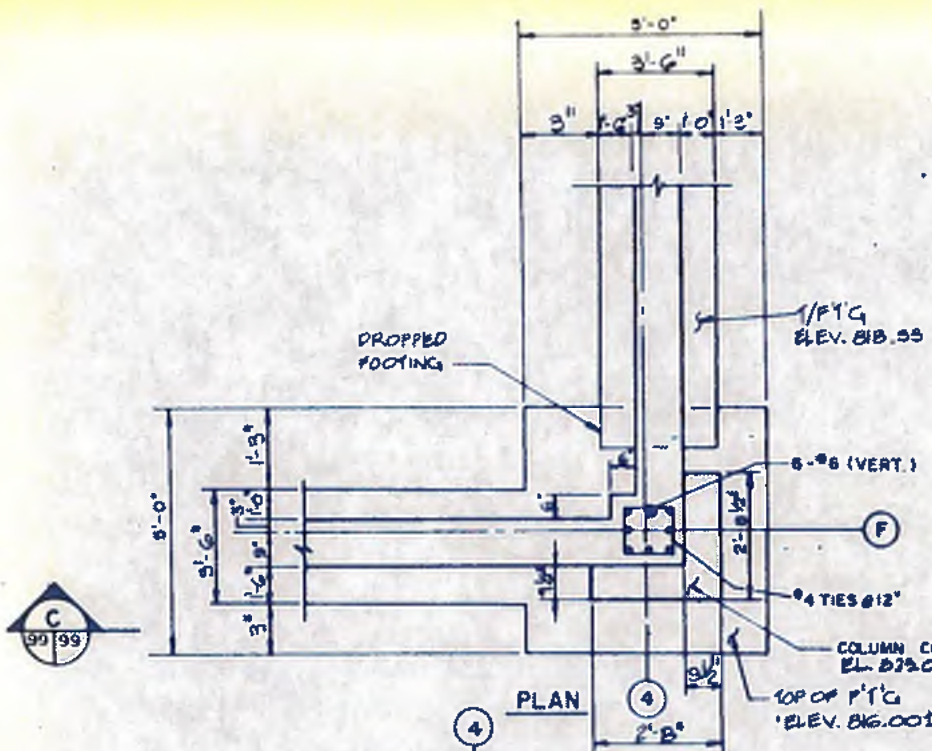


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INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
SECTIONS

DESIGNER: KYM APPROVED: [Signature]
DRAWN: SKF
CHECKED: YGL SCALE: AS SHOWN DATE: MAY 10, 1982

NO. 51-82	DATE	BY	SECTION 17, 4, 7 & 8	APP. NO. 5	PLACER
REVISIONS					
CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREET BUREAU OF POLLUTION CONTROL					
THREE RIVERS WATER QUALITY MANAGEMENT PLAN					
LAND LOT	DISTRICT	QUARTY	SHEET NO.		
			98		
DRAWING NO. 4-5-15					



NOTE:
COLUMNS B-3, B-5, C-2 AND D-2 ARE 12" X 12";
ALL OTHER COLUMNS ARE 15" X 15".



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**INTRENCHMENT CREEK PLANT MODIFICATION
ADMINISTRATION BUILDING
SECTIONS AND FOOTING
DETAILS**

DATE: MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	APP. NO. 3	PLACED
1	5-1-82	YGL	GEN. REV.		

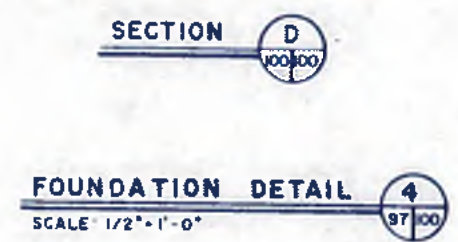
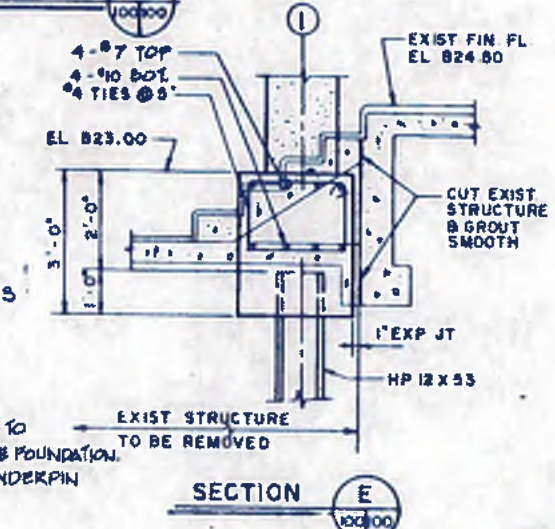
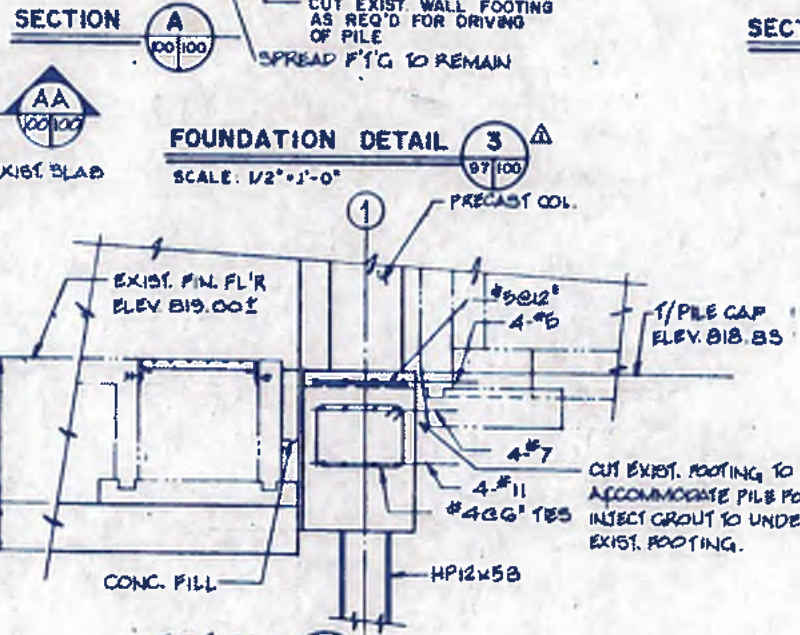
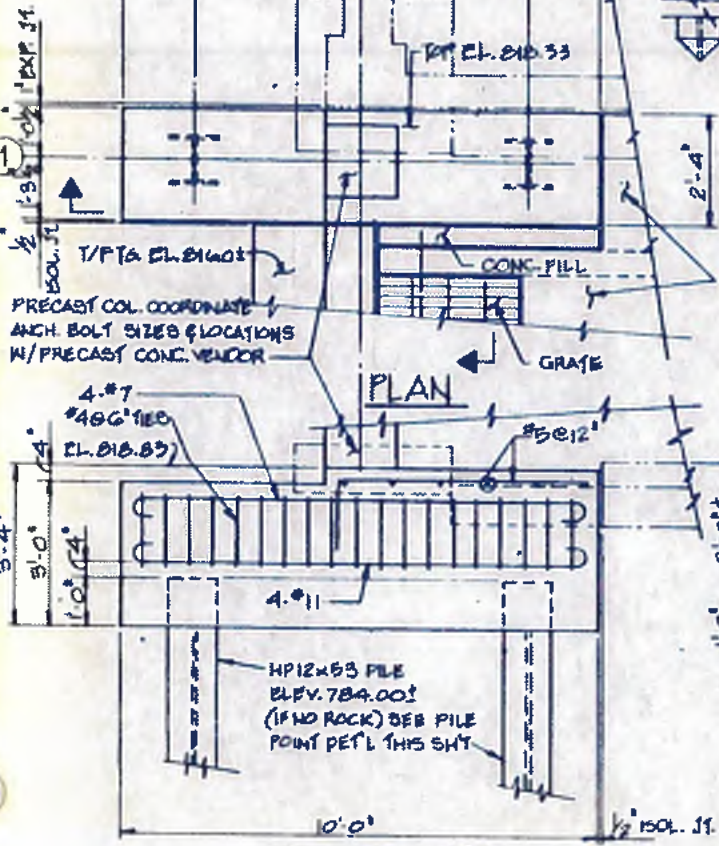
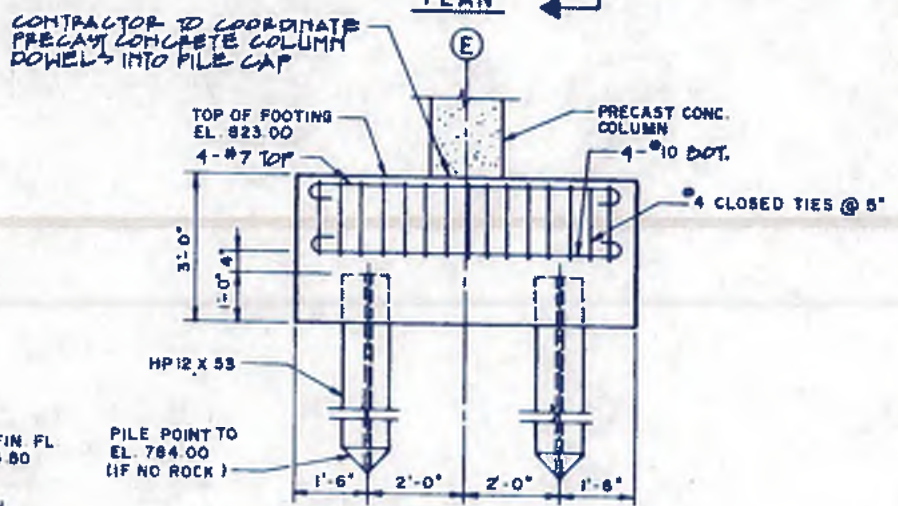
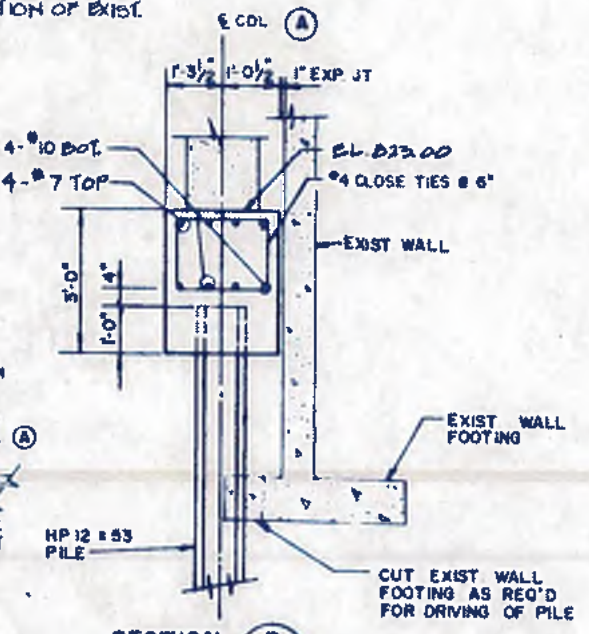
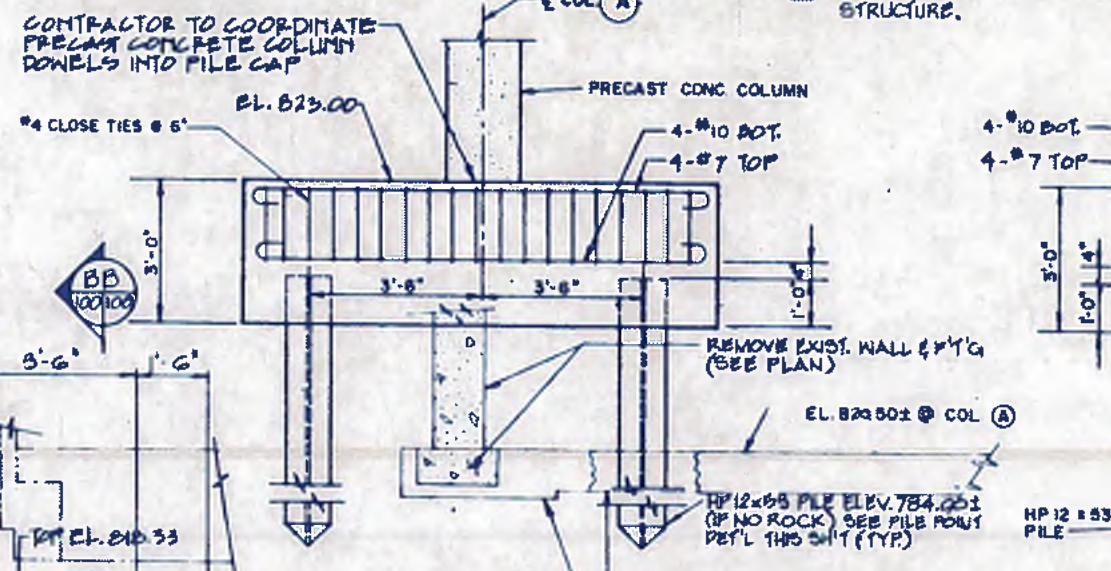
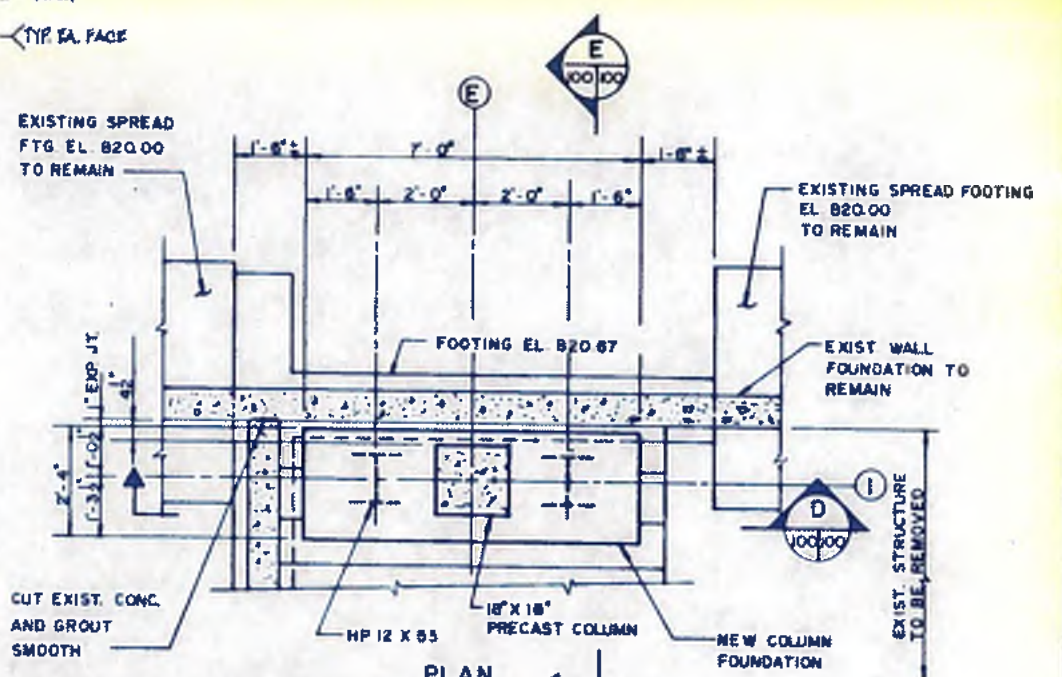
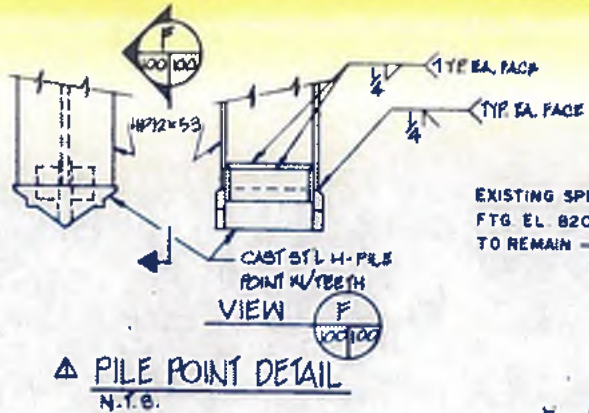
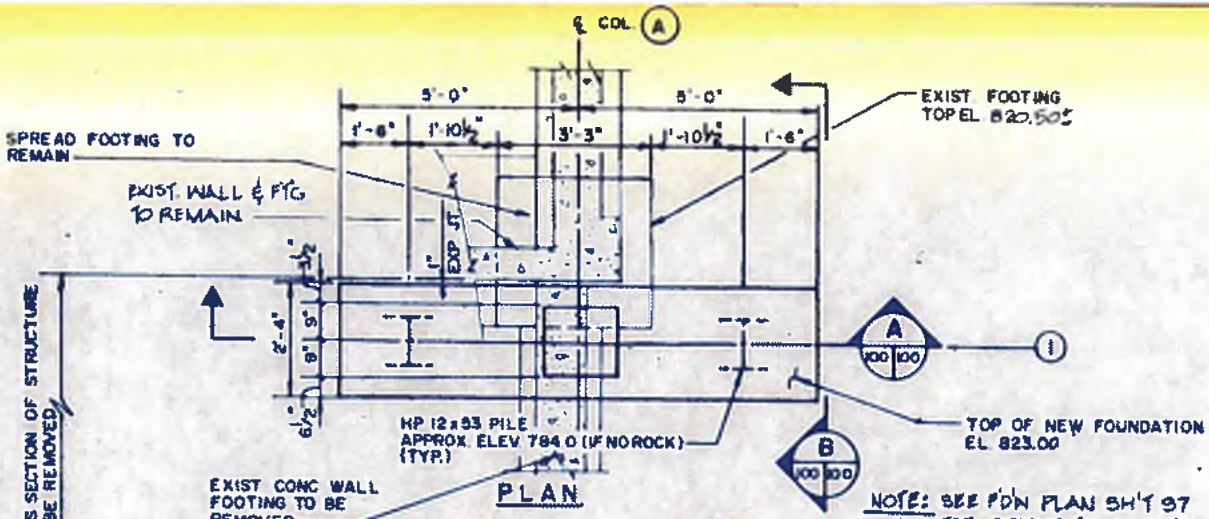
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

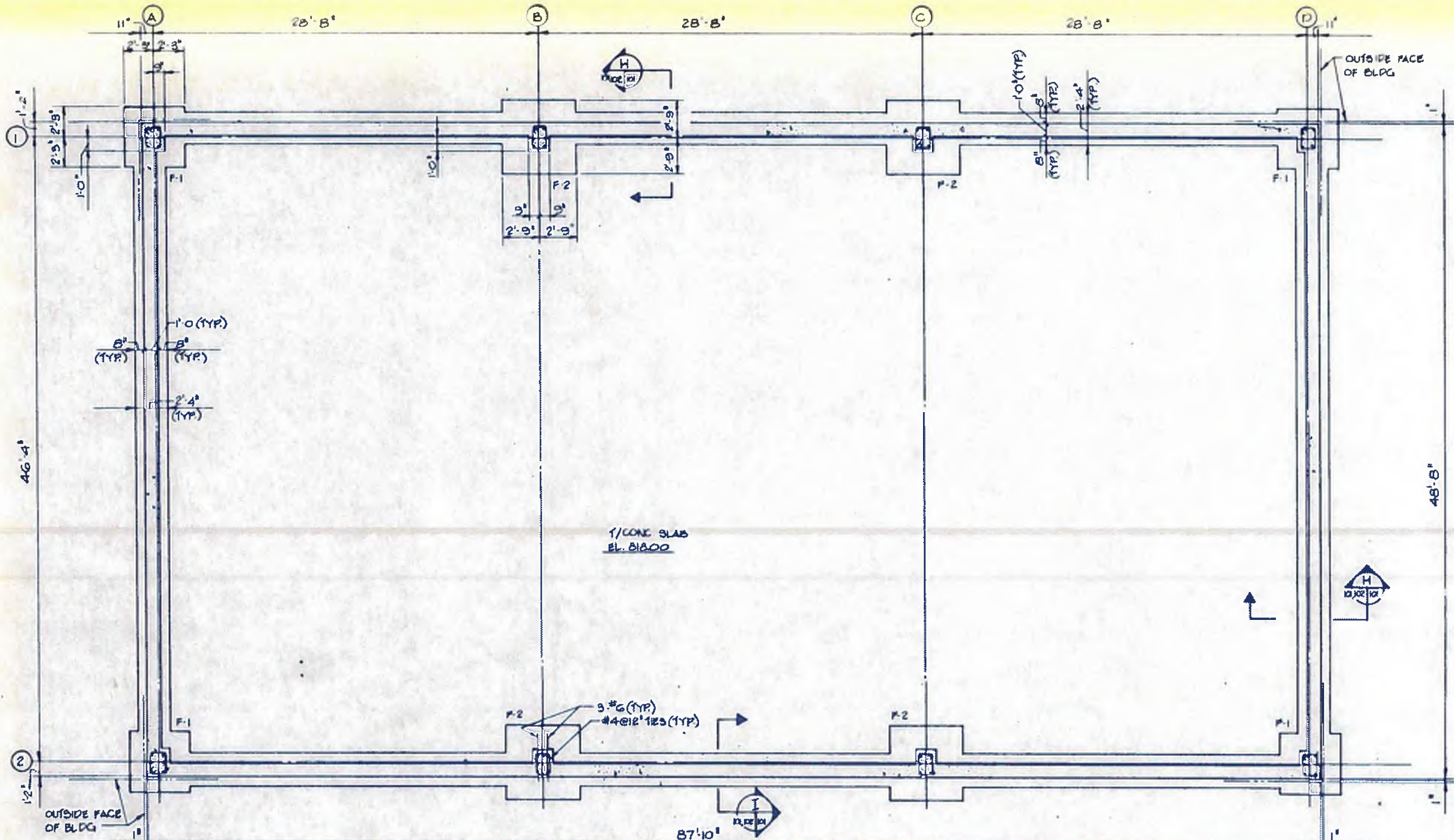
LAND LOT: _____ DISTRICT: _____ COUNTY: _____

APPROVED: _____ SHEET NO. **99**

DRAWING NO. 4-5-16

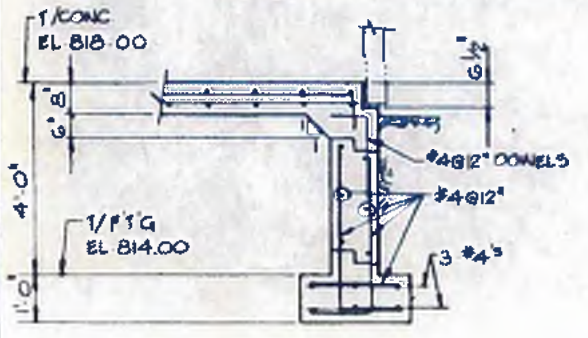


NO. 5188		DATE	GEN. REV.	DESCRIPTION	ADD. NO. 3
				REVISION	PLACES
		williams-russell & associates engineers - planners atlanta, georgia			
INTRENCHMENT CREEK PLANT MODIFICATIONS		CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL			
ADMINISTRATION BUILDING		THREE RIVERS WATER QUALITY MANAGEMENT PLANS			
FOUNDATION DETAILS	LAND LOT			DISTRICT	COUNTY
DRWN: KYM	APPROVED:	APPROVED:		SHEET NO.	
CHG: VHL	SCALE: AS SHOWN	DATE: MAY 10, 1982	PLANNING NO: 4-5-17	100	

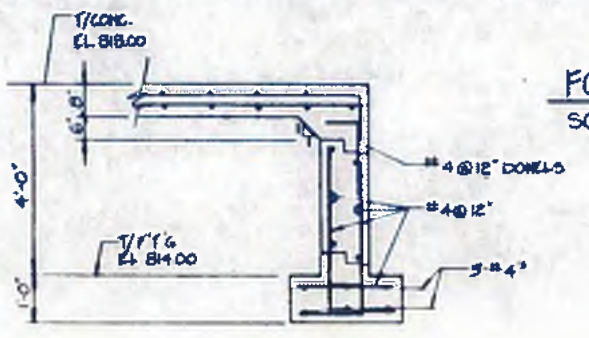


FOOTING SCHEDULE		
NO.	SIZE	REIN.
F-1	4'-6" x 4'-6" x 1'-0"	BOFF #5 @ 12" E.W.
F-2	5'-0" x 5'-0" x 1'-0"	BOFF #5 @ 12" E.W.

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



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



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



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atlanta, georgia

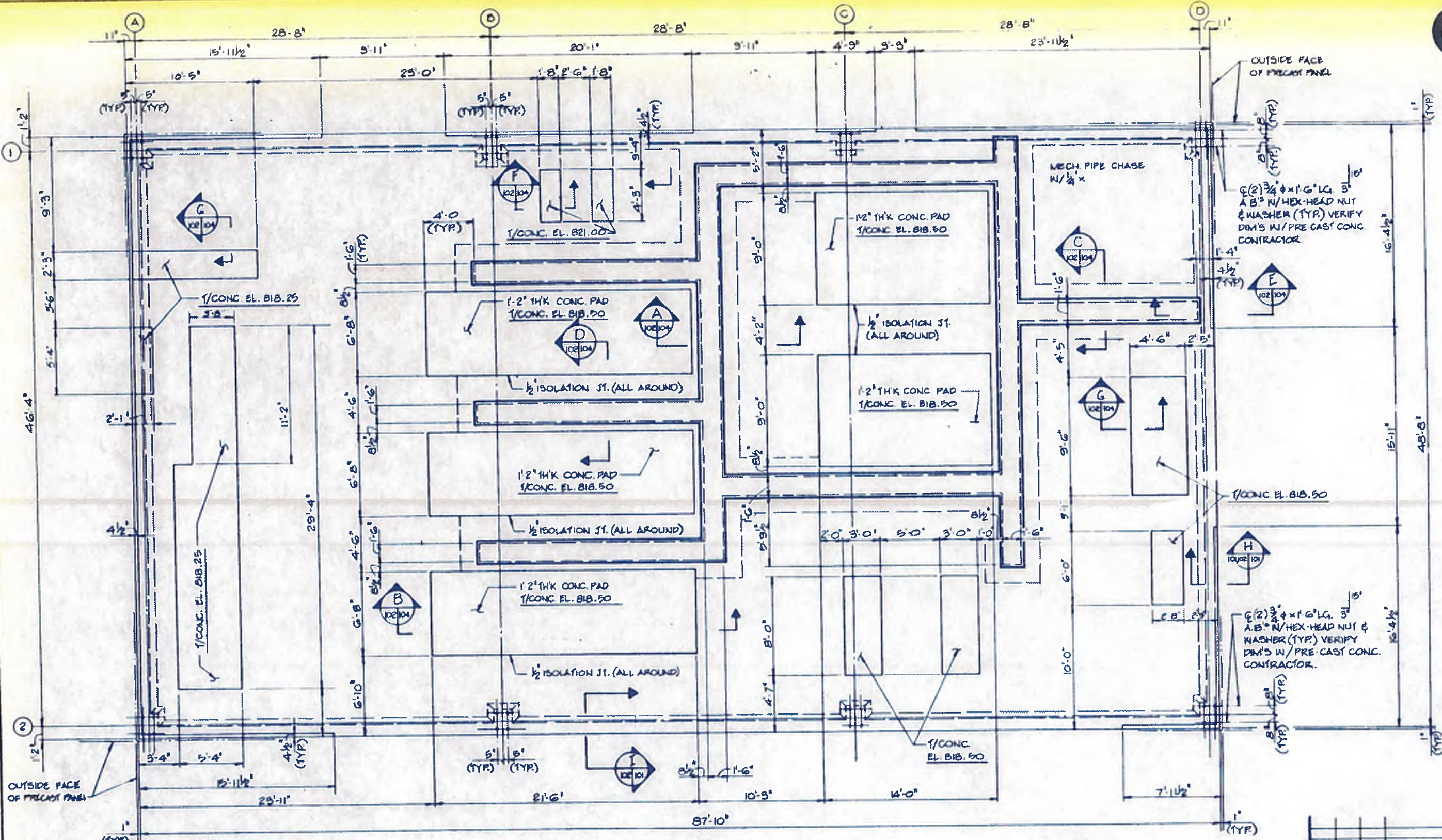
INTRINCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION BUILDING
FOUNDATION PLAN & SECTION

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

DESIGNER	TM	APPROVED	DATE	MAY 10, 1982
DRAWN	VH			
CHECKED	TM	SCALE	AS SHOWN	

NO.	DATE	BY	DESCRIPTION	PLACES

LAND LOT	DISTRICT	COUNTY
APPROVED		
DRAWING NO.	4-5-18	SHEET NO.
		101



NOTE:
 FOR SIZE & LOCATION OF ADDITIONAL PEDESTALS, THE CONTRACTOR SHALL COORDINATE WITH MECHANICAL & ELECTRICAL EQUIPMENT PLANS. THE FINAL LOCATION & TOP OF PEDESTAL ELEVATION FOR ALL PEDESTALS SHALL BE COORDINATED WITH THE EQUIPMENT MANUFACTURERS.

FLOOR PLAN (1/CONC. EL. 818.00 UNLESS NOTED)
 SCALE: 1/4" = 1'-0"



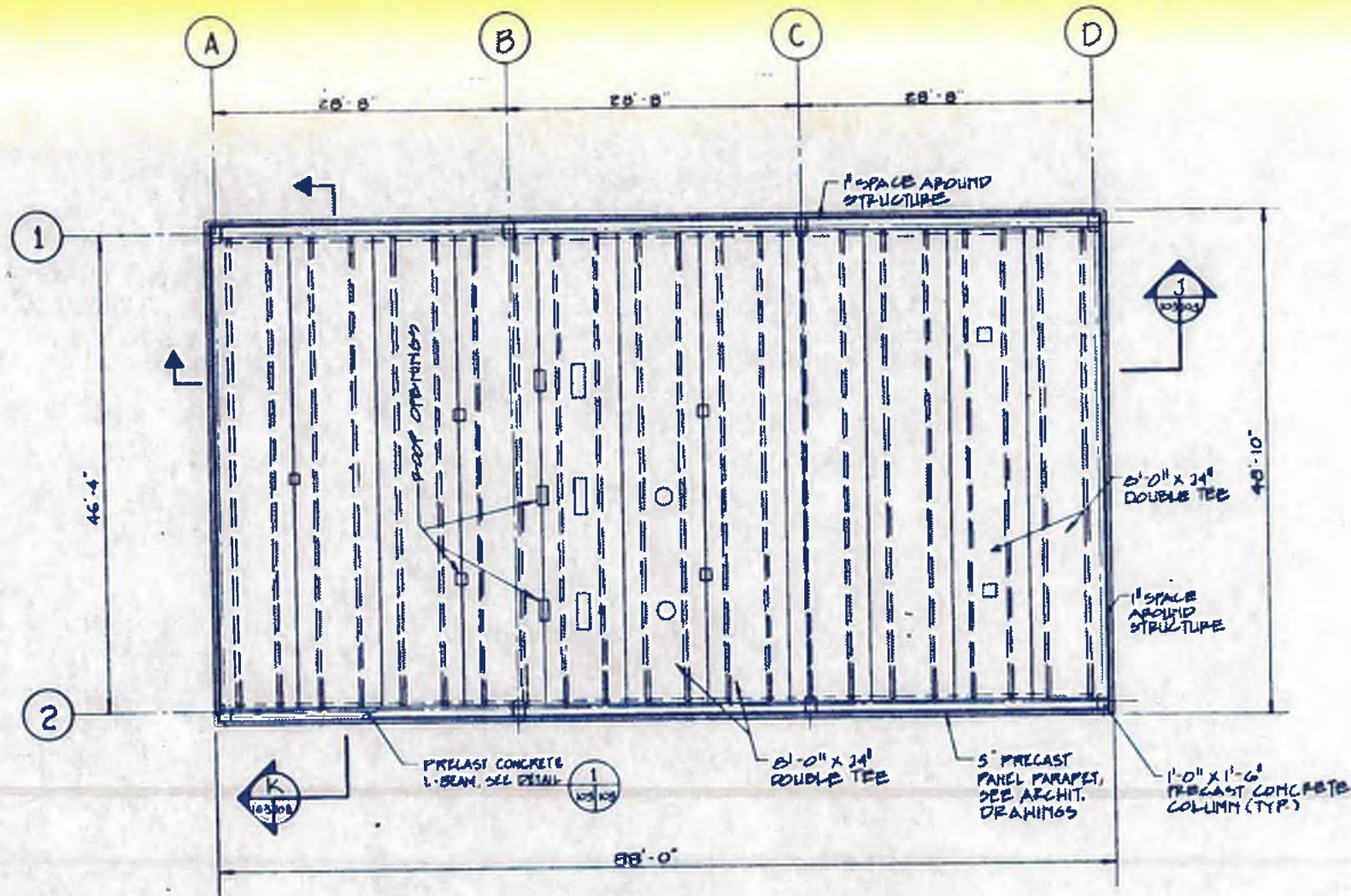
williams - russell & associates
 engineers - planners
 atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION BUILDING
FLOOR PLAN

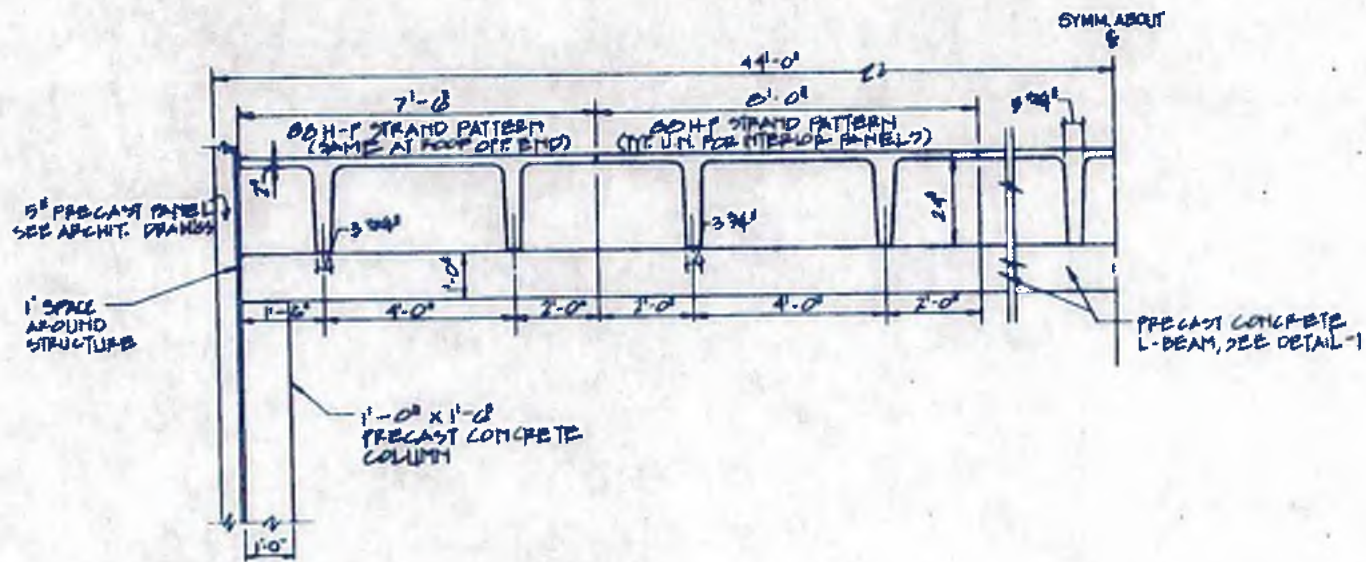
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

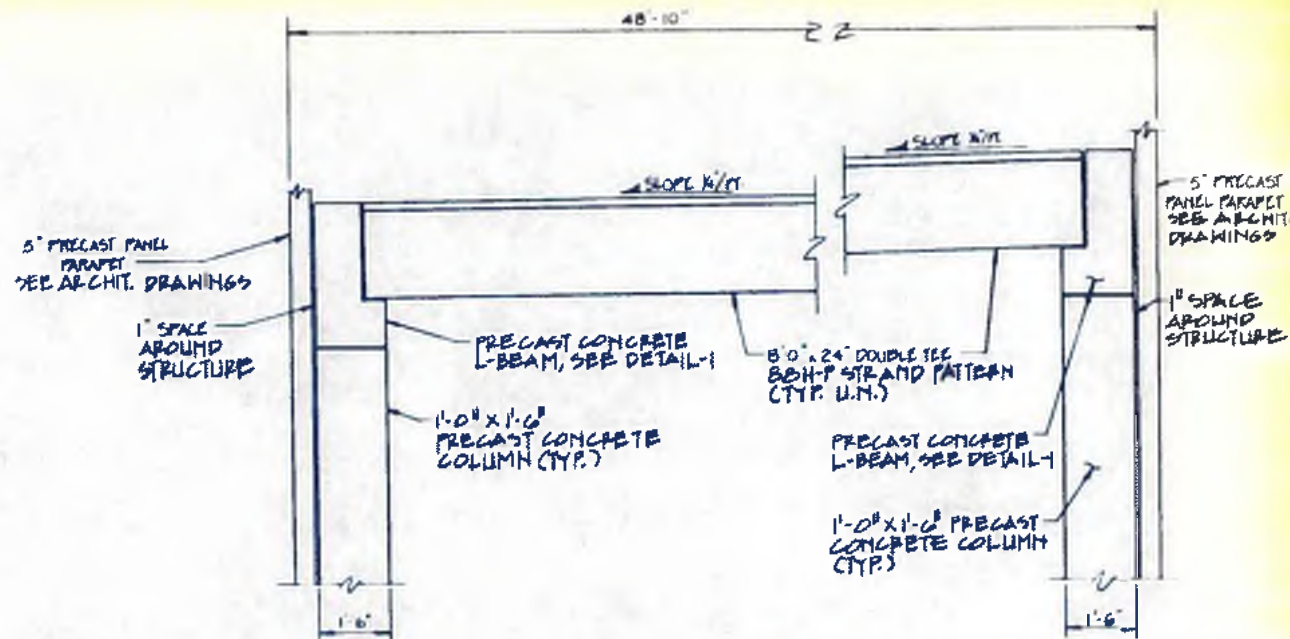
CRIM	TM	APPROVED			
DRWS	VH				
CHKD	TM	SCALE	1/4" = 1'-0"	DATE	MAY 10, 1982
		DRAWING NO.	4-5-89		



ROOF PLAN
SCALE 1/8" = 1'-0"



SECTION J
SCALE 1/8" = 1'-0"



SECTION K
SCALE 1/8" = 1'-0"



PRECAST CONCRETE L-BEAM
60H-P STRAND PATTERN

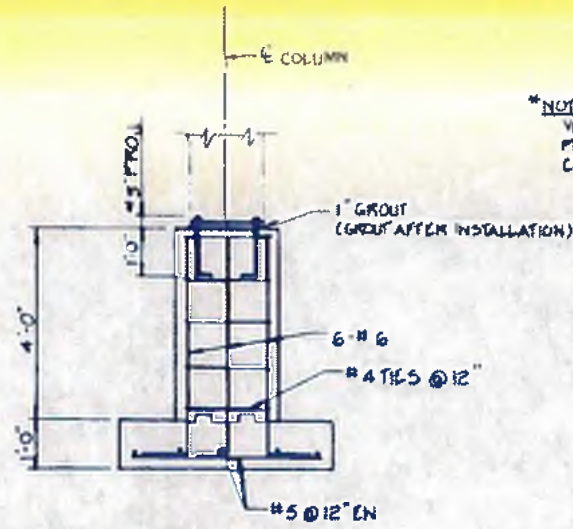
DETAIL I
SCALE 1/2" = 1'-0"

NOTES

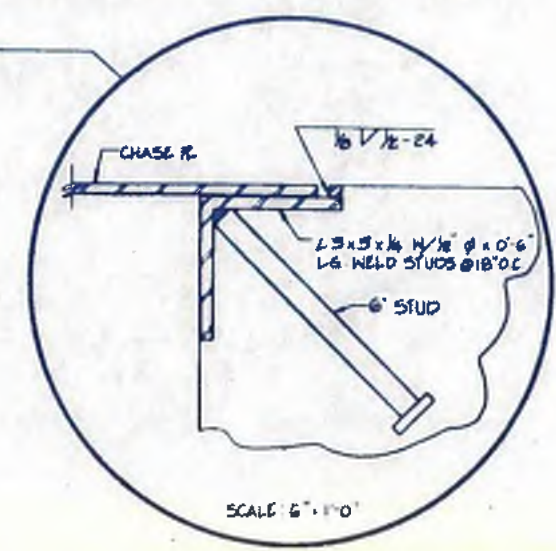
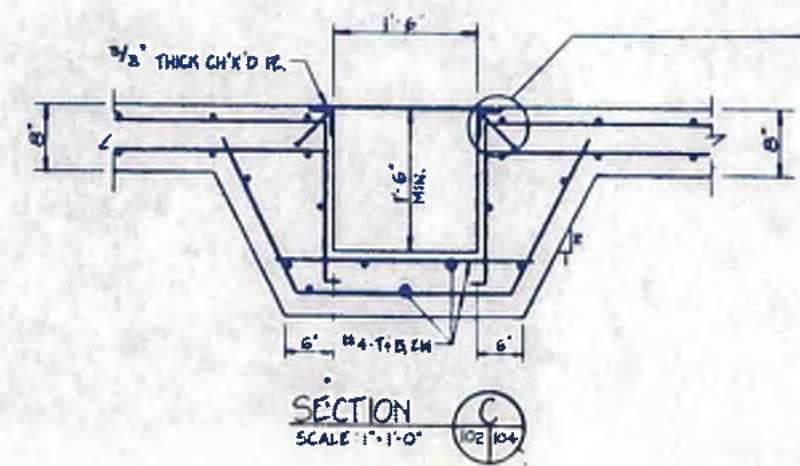
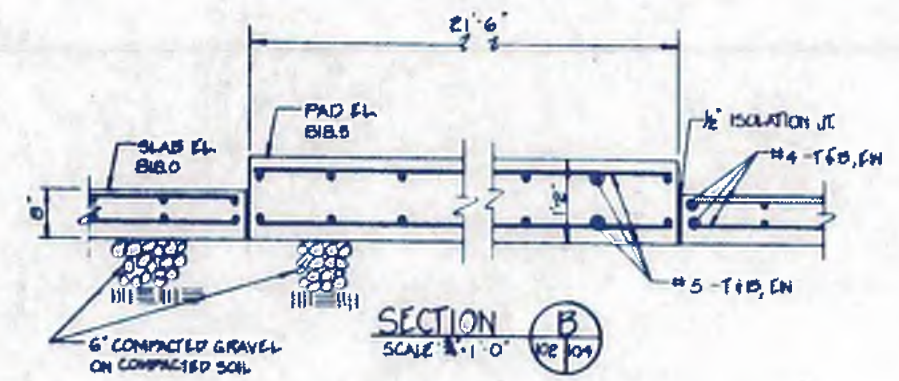
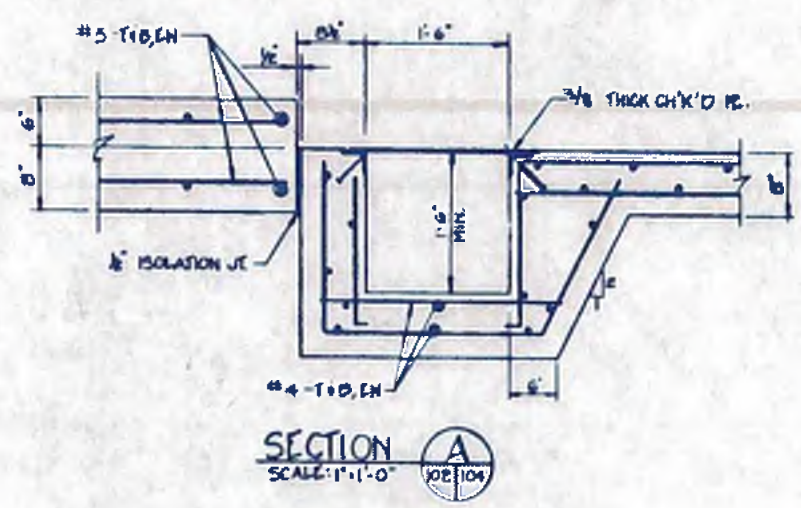
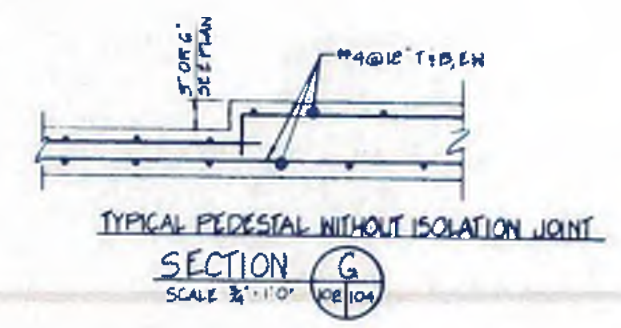
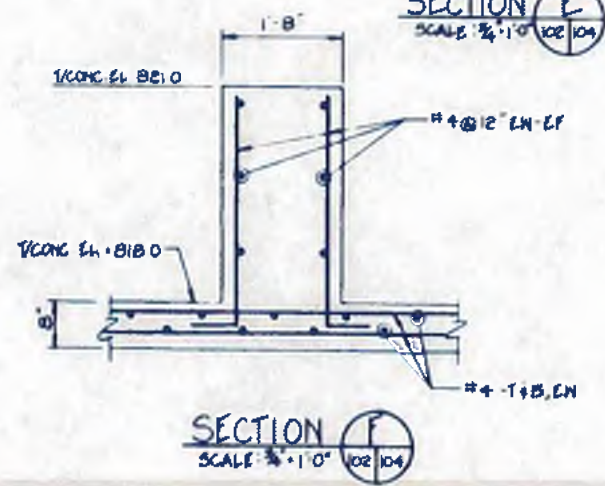
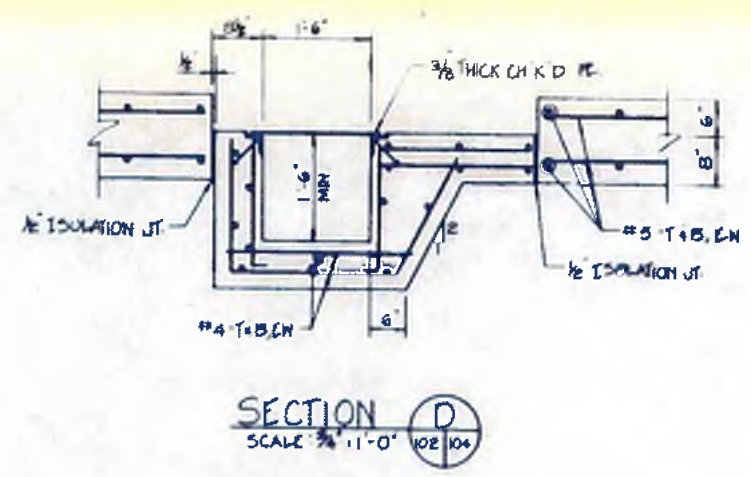
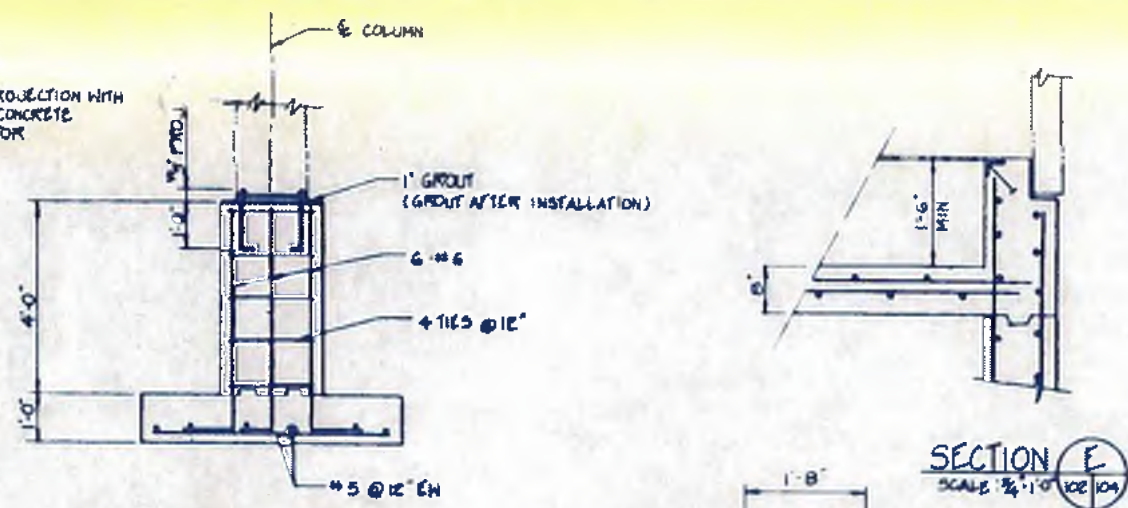
- The Contractor shall coordinate all openings for the mechanical equipment in the precast double-tee units. The precast subcontractor shall consider the effect of the openings in the precast double-tee's and reinforce the units as necessary.
- The precast manufacturer is responsible for the structural design of all precast units. The building shall be capable of withstanding horizontal wind forces of 30 p.s.f. in each direction of the building. The horizontal wind forces shall be resisted by two or more precast concrete panels on each side of the building, acting as wind bracing.
- All precast concrete connections for exterior wall panels, double-tee's, beams and columns shall be designed and detailed by the precast manufacturer. The connections shall be adequate to transfer horizontal forces and uplift forces due to wind, to the foundations.
- The contractor shall coordinate the location of all anchor bolts and miscellaneous metal used to fasten the precast units to the slab and foundation.
- Refer to Architectural Drawings for locations of interior walls, precast concrete panels, columns and other Architectural features.
- For structural general notes and standard details, see drawing No. 4-S-20.



<p>williams-russell & associates engineers — planners atlanta, georgia</p>	<p>INTRENCHMENT CREEK PLANT MODIFICATIONS POWER GENERATION BUILDING ROOF PLAN & SECTIONS</p>		<p>CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREET BUREAU OF POLLUTION CONTROL</p>
	<p>THREE RIVERS WATER QUALITY MANAGEMENT PLANS</p>		
<p>NO. DATE BY DESCRIPTION PLACE</p>	<p>APPROVED</p>		<p>COUNTY SHEET NO.</p>
<p>DRAWN BY G.S.</p>	<p>DATE MAY 10, 1982</p>	<p>DRAWING NO. 4-S-20</p>	<p>103</p>



*NOTE:
VERIFY PROJECTION WITH
PRECAST CONCRETE
CONTRACTOR



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INTRINCHEMENT CREEK PLANT MODIFICATIONS
POWER GENERATION BUILDING
SECTIONS & DETAILS

DRW: YM APPROVED
CWN: RDY
CHK: TM

SCALE: AS SHOWN DATE: MAY 10, 1982

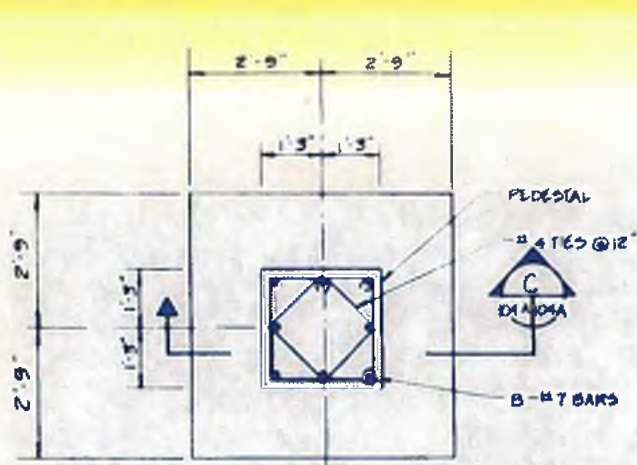
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

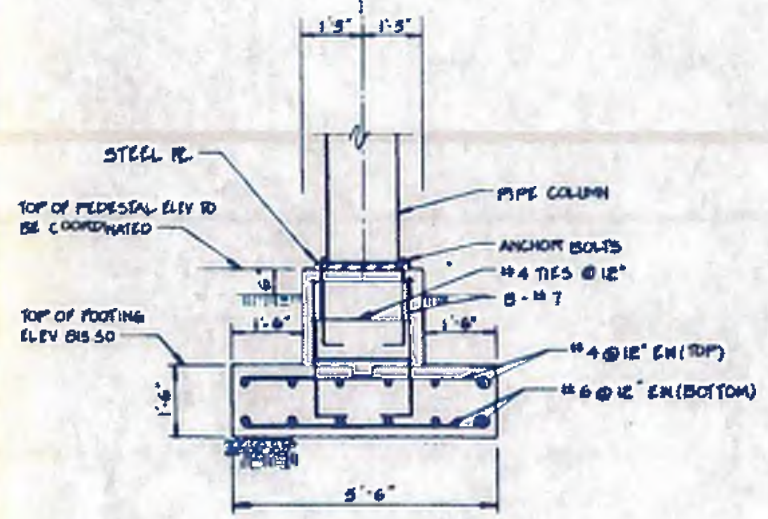
NO.	DATE	BY	DESCRIPTION	PLACES
			REVISION	

LAND LOT: COUNTY: DISTRICT: SHEET NO: 104

DRAWING NO: 4-5-21

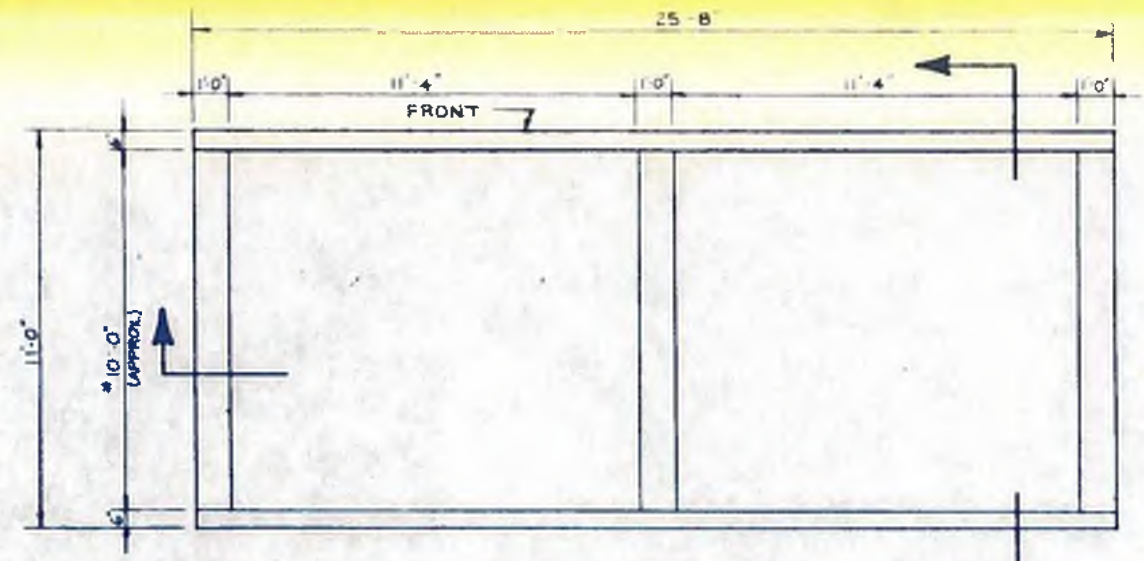


PLAN
SCALE: 1/8" = 1'-0"



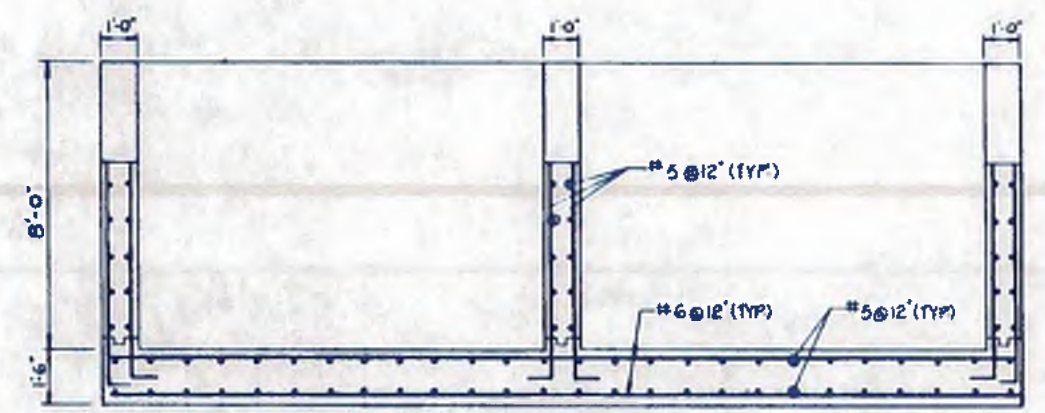
SECTION C
SCALE: 1/8" = 1'-0" DIA 104A

TYPICAL FOOTING DETAIL
GAS SPHERE

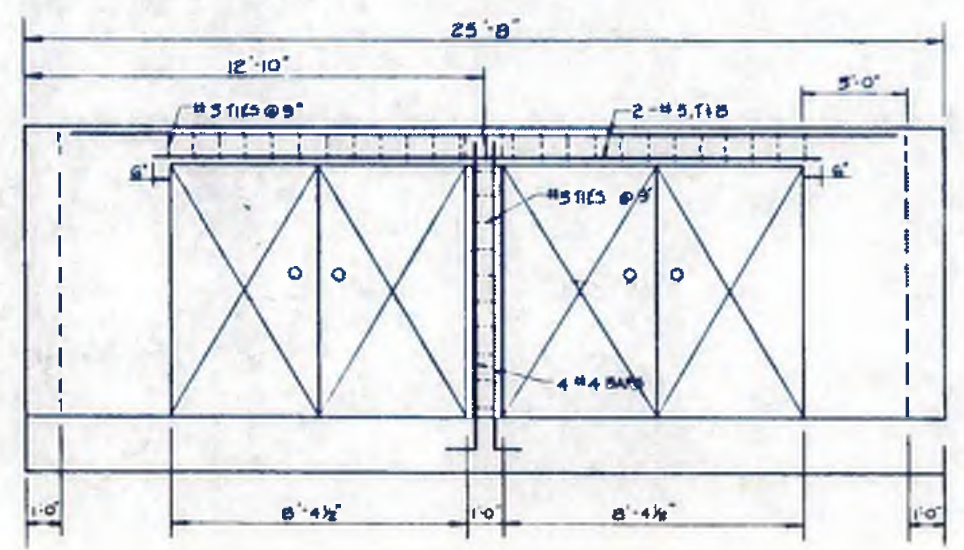


PLAN
SCALE: 1/8" = 1'-0"

* FINAL DIMENSION TO BE COORDINATED WITH THE TANK MANUFACTURER.



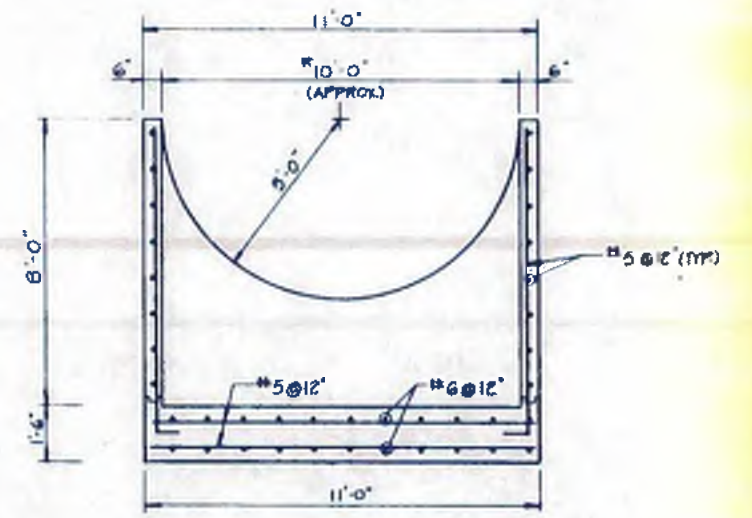
SECTION A
SCALE: 1/8" = 1'-0" DIA 104A



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

NOTES
GAS SPHERE

- 1 THE GAS STORAGE SPHERE INCLUDING THE PIPE COLUMNS, BASE PLATE & THE ANCHOR BOLTS SHALL BE DESIGNED BY THE SPHERE MANUFACTURER. THE FINAL SIZE & LOCATION OF THE ANCHOR BOLTS IN THE PEDESTALS SHALL BE COORDINATED WITH TANK COLUMNS.
- 2 THE GAS STORAGE SPHERE SHALL BE SUPPORTED BY EIGHT (8) COLUMNS & FOOTINGS.
- 3 FOR LOCATION OF FOOTINGS SEE MECHANICAL DWG 4-M-8
- 4 FOOTINGS FOR THE TANK LADDERS SHALL BE DESIGNED BY THE TANK MANUFACTURER & COORDINATED BY THE CONTRACTOR. THE FOOTINGS SHALL BE DESIGNED FOR SOIL BEARING STRESSES NOT EXCEEDING 3000 PSF. THE FOOTINGS SHALL BEAR AT ELEVATION 514.00.



SECTION B
SCALE: 1/8" = 1'-0" DIA 104A

* FINAL DIMENSION TO BE COORDINATED WITH THE TANK MANUFACTURER.

FOUNDATION DETAILS
OIL STORAGE TANK

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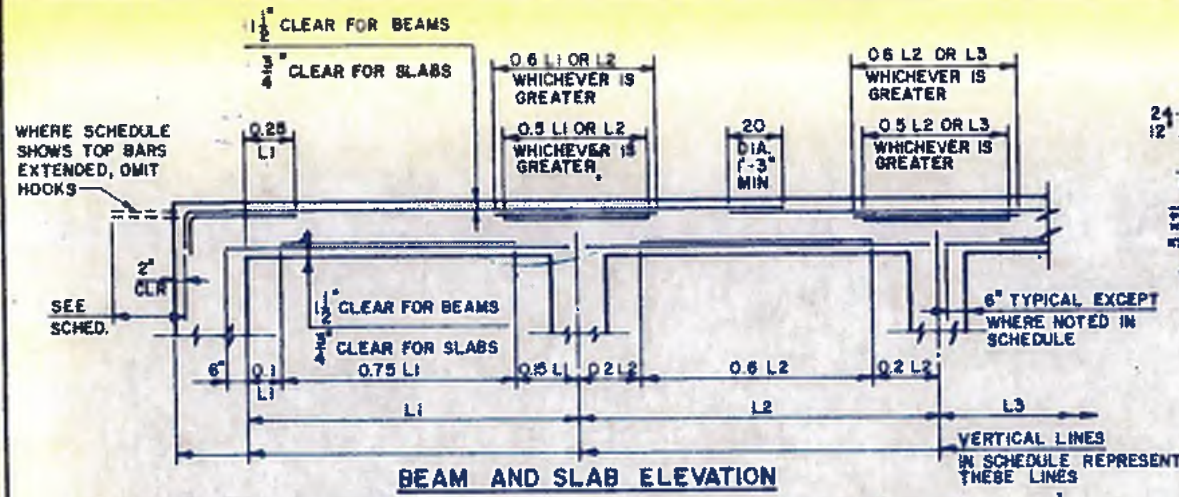
INTRENCHMENT CREEK PLANT MODIFICATIONS
OIL STORAGE TANK & GAS SPHERE DETAILS

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

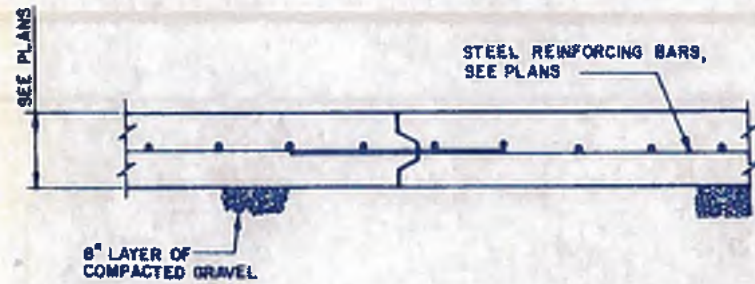
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DATE: MAY 10, 1982	SCALE: AS SHOWN	DATE: MAY 10, 1982	DATE: MAY 10, 1982
DATE: MAY 10, 1982	SCALE: AS SHOWN	DATE: MAY 10, 1982	DATE: MAY 10, 1982

104A

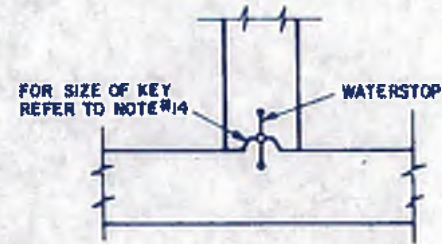


- 1. THIS DIAGRAM SHALL APPLY UNLESS SHOWN OTHERWISE ON SCHEDULE.
- 2. SEE SCHEDULE FOR SIZE AND QUANTITIES OF BARS USED.
- 3. TOP & BOTTOM STEEL IS IN ONE LAYER RESPECTIVELY UNLESS OTHERWISE NOTED IN SCHEDULE. STEEL IS SHOWN SEPARATED ON THIS DIAGRAM AND IN SCHEDULES FOR CLARITY. CENTER TOP REINFORCING OVER SUPPORT UNLESS OTHERWISE SHOWN ON SCHEDULE.
- 4. TOP CONTINUOUS STEEL LAPS TYPICALLY AT MIDSPAN AS SHOWN. IT MAY ALSO LAP OVER THE SUPPORT BY 0.60 OF THE GREATER ADJACENT SPAN, IF SHOWN BY THE SCHEDULES.
- 5. WHERE THIS ARE SHOWN ON SCHEDULES THEY ARE TO BE PROVIDED REGARDLESS OF THE REQUIREMENTS OF THIS DIAGRAM.
- 6. STIRRUP SPACING BEGINS AT FACE OF SUPPORT.
- 7. EXTEND TOP BARS TO SUPPORT STIRRUPS WHERE STIRRUPS ARE OTHERWISE UNSUPPORTED.

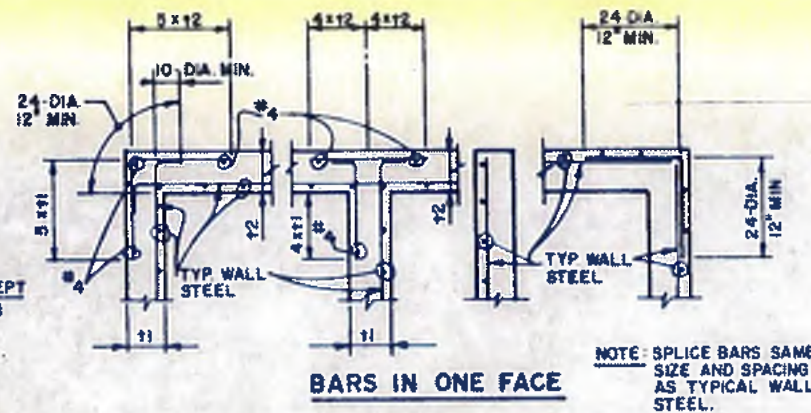
TYPICAL REINFORCING DETAILS - CONCRETE BEAMS, JOISTS & SLABS



TYPICAL CONSTRUCTION JOINT FOR SLABS ON GRADE

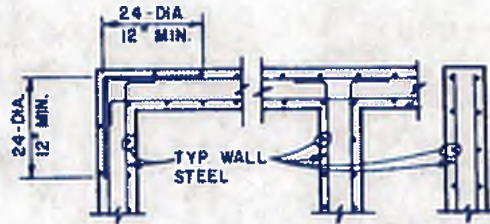


DETAIL OF WATERPROOF CONSTRUCTION JOINT



BARS IN ONE FACE

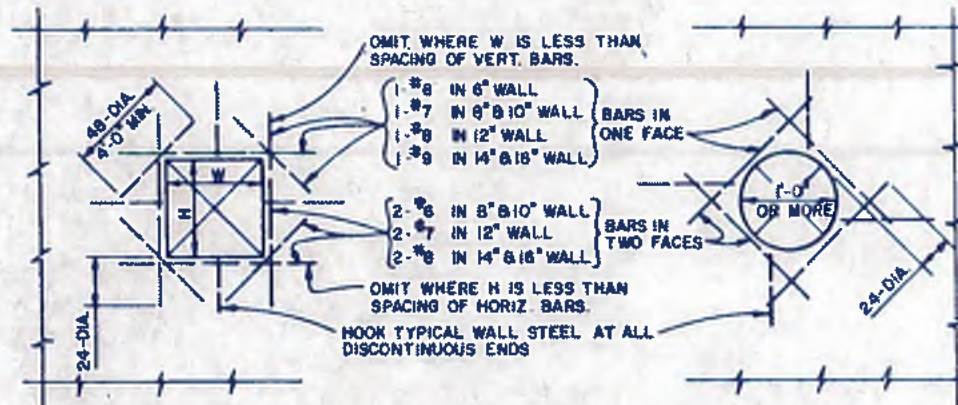
NOTE: SPLICE BARS SAME SIZE AND SPACING AS TYPICAL WALL STEEL.



BARS IN BOTH FACES

NOTE: SPLICE BARS SAME SIZE AND SPACING AS TYPICAL WALL STEEL.

ARRANGEMENT OF STEEL AT WALL CORNERS, ENDS & INTERSECTIONS



REINFORCEMENT AROUND OPENINGS IN CONCRETE WALLS

GENERAL NOTES :

1. THESE NOTES SHALL APPLY EXCEPT WHERE OTHERWISE INDICATED BY THE DRAWINGS OR SPECIFICATIONS. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.
2. BACKFILL AGAINST WALLS SHALL BE DEPOSITED EVENLY AGAINST BOTH SIDES OF THE WALL UNTIL THE LOWER FINAL GRADE IS REACHED.
3. BACKFILL SHALL NOT BE PLACED AGAINST RETAINING WALLS DEPENDENT UPON TOP AND BOTTOM SLABS FOR SUPPORT UNTIL SUCH SLABS HAVE BEEN IN PLACE A MINIMUM OF THREE DAYS. EXCEPT FOUNDATION WALLS WITH SEAB ON GROUND AT TOP OF WALL.
4. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR DRIPS, CHAMFERS, REGLETS, RUSTICATIONS, SLOTS, SLEEVES, ANCHORS, INSERTS AND OPENINGS REQUIRED.
5. SECTIONS DO NOT SHOW REINFORCING FOR SLABS OR BEAMS SHOWN IN SCHEDULES, UNLESS REQUIRED FOR CLARITY IN PLACING.
6. PROVIDE KEYS, IN BEAMS AT CONSTRUCTION JOINTS. LEAVE SLABS ROUGH TO PROVIDE GOOD BOND. APPLY SLUSH COAT AS SPECIFIED.
7. TEMPERATURE STEEL, AT RIGHT ANGLES TO MAIN STEEL FOR SLAB THICKNESSES INDICATED SHALL BE AS FOLLOWS UNLESS OTHERWISE SHOWN: #3 @ 85' UP TO 3 7/8"; #3 @ 12", 4" TO 4 7/8"; #3 @ 9", 5" TO 5 7/8"; #3 @ 8", 6" TO 6 7/8"; #3 @ 7", 7" TO 7 7/8"; #4 @ 12", 8" AND UP.
8. WHERE NOT OTHERWISE SHOWN ON THE DRAWINGS, MINIMUM SLAB REINFORCING SHALL BE #4 @ 8" EACH WAY IN BOTTOM.
9. UNLESS OTHERWISE SHOWN: AT OPENINGS THRU SOLID SLABS UP TO 5'-0", PROVIDE SUPPLEMENTARY REINFORCING FOUR SIDES OF OPENING EQUAL TO PRINCIPAL REINFORCING INTERRUPTED BY THE OPENING. INTERRUPTED BARS SHALL BE CUT. LENGTH OF BARS PERPENDICULAR TO SPAN SHALL BE THREE TIMES THE WIDTH OF THE OPENING. PLACE 1-#5 x 4-0 DIAGONAL BAR AT MID-HEIGHT AT EACH CORNER. A SIMILAR ARRANGEMENT OF REINFORCEMENT SHALL BE USED AT CIRCULAR OPENINGS.
10. UNLESS SPECIFICALLY SHOWN OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATIONS, DEFORMED REINFORCEMENT SHALL COMPLY WITH ASTM A615 OR A617. STIRRUPS, TIES AND HOOKS SHALL BE GRADE 40, ALL OTHER REINFORCEMENT SHALL BE GRADE 60. WELDED WIRE FABRIC, OF SIZES SHOWN ON THE DRAWINGS, SHALL CONFORM TO ASTM A606.
11. WHERE HOOKED BARS ARE INDICATED BY THE DRAWINGS, THEY SHALL BE FABRICATED IN ACCORDANCE WITH THE FOLLOWING:
 - STIRRUPS: IN ACCORDANCE WITH ACI 318-71, 7.1.3.3
 - BEAMS AND JOISTS: THE HOOK SHALL EXTEND TO WITHIN 2" OF THE SURFACE OF THE MEMBER OPPOSITE THE SURFACE IN WHICH THE BAR IS LOCATED, UNLESS THIS PRODUCES A HOOK SMALLER THAN A MINIMUM HOOK IN WHICH CASE A MINIMUM HOOK SHALL BE USED, AND THE BAR INCLINED. ALL OTHER HOOKS SHALL BE STANDARD (NOT MINIMUM) HOOKS.
12. WHERE NOT OTHERWISE SHOWN, THE FOLLOWING REINFORCING SHALL BE USED IN WALLS:
 - 8" WALLS - #4 @ 10" HORIZ., #4 @ 16" VERT. - ONE FACE
 - 10" WALLS - #4 @ 8" HORIZ., #4 @ 12" VERT. - ONE FACE
 - 12" WALLS - #5 @ 10" HORIZ., #4 @ 11" VERT. - ONE FACE
13. ALL CONCRETE WALLS SHALL BE DETAILED IN ELEVATION ON SHOP DRAWINGS. NO MORE THAN 50% OF HORIZONTAL WALL REINFORCING SHALL LAP IN A SINGLE VERTICAL PLANE. STAGGER LAPS. CONCRETE WALLS SHALL BE CAST MONOLITHIC WITH ADJOINING COLUMNS UNLESS SPECIFICALLY NOTED OTHERWISE.
14. THE NOMINAL SIZE OF KEYS AT HORIZONTAL CONSTRUCTION JOINTS SHALL BE AS FOLLOWS EXCEPT WHERE OTHERWISE SHOWN ON THE DRAWINGS:
 - 8" WALLS - 2 x 4
 - 10" WALLS - 2 x 6
 - 12" WALLS - 2 x 6
15. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36.
16. STRUCTURAL STEEL DETAILING, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF STEEL CONSTRUCTION" OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION. SHOP DRAWINGS SHALL SHOW COMPLETE WELDING INFORMATION, BOTH SHOP AND FIELD, USING AMERICAN WELDING SOCIETY SYMBOLS. SURFACES TO BE WELDED OR ENCASED IN CONCRETE SHALL NOT BE PAINTED. UNLESS OTHERWISE SHOWN OR INDICATED, BOLTED CONNECTIONS SHALL BE MADE USING 3/4" DIAMETER BOLTS CONFORMING TO ASTM A325. BOLTS SHALL BE INSTALLED USING THE TURN-OF-NUT METHOD IN ACCORDANCE WITH THE LATEST EDITION OF THE SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS AS APPROVED BY RESEARCH COUNCIL ON RIVETED AND BOLTED STRUCTURAL JOINTS OF THE ENGINEERING FOUNDATION.
17. CONNECTIONS FOR BEAMS WHICH CANNOT CONFORM TO THE "TYPICAL CONNECTION DETAILS" SHALL BE MADE IN ACCORDANCE WITH THE FOLLOWING:
 - WHERE BEAM REACTIONS ARE NOT SHOWN ON THE DRAWINGS, CONNECTIONS SHALL BE DETAILED FOR THE MAXIMUM UNIFORM LOAD WHICH THE BEAM WILL SUPPORT (AS SIMPLE BEAM) FOR THE SPAN SHOWN ON THE DRAWING.
 - WHERE BEAM REACTIONS ARE SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL DEVELOP THE REACTIONS SHOWN.
 - WHERE REACTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DETAILING THE CONNECTION.



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INTRENCHMENT CREEK PLANT MODIFICATIONS
MISCELLANEOUS DETAILS

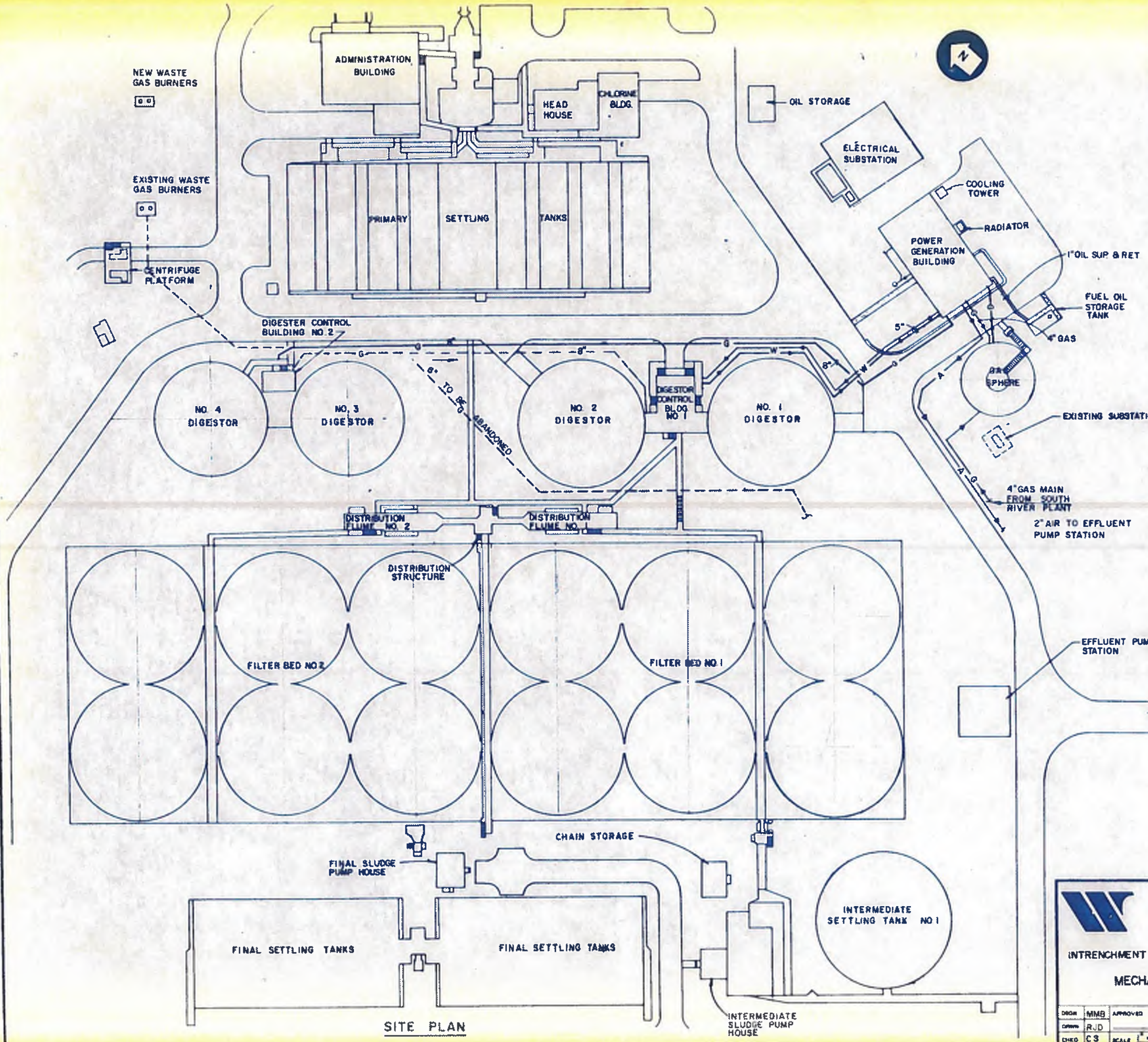


CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

NO.	DATE	BY	DESCRIPTION	PLACED

DESIGN	YGL	APPROVED		
DRAWN	VLH			
CHECKED	YGL	SCALE NONE	DATE MAY 10, 1982	DRAWING NO. 4-5-23



MECHANICAL LEGEND & ABBREVIATIONS

SYMBOLS	DESCRIPTIONS	SYMBOLS	DESCRIPTIONS
	SOIL & WASTE PIPE		CHECK VALVE CK.V.
	CLEANOUT AT CHANGE OF DIRECTION		NEEDLE VALVE N.V.
	CLEANOUT IN RISE		PLUG VALVE P.V.
	VENT PIPE		GATE VALVE G.V.
	RAINWATER PIPE		METER M.
	HOT WATER PIPE		STRAINER STR.
	WASTE HOT WATER PIPE		THERMAL RELIEF VALVE T.R.V.
	COLD WATER PIPE		THERMOSTAT T.STAT.
	OIL PIPE		THERMOMETER T.METER.
	AIR PIPE		PRESSURE GAUGE P.G.
	GAS PIPE		VACUUM GAUGE V.G.
	PIPE UP		PIPE SUPPORT P.S.
	PIPE DOWN		
	BALL VALVE B.V.		
	BUTTERFLY VALVE B.FLY.V.		

ABBREVIATIONS	DESCRIPTIONS	ABBREVIATIONS	DESCRIPTIONS
ABV. CLG.	ABOVE CEILING	FIN. FL.	FINISHED FLOOR
A.F.F.	ABOVE FINISH FLOOR	FIN. GR.	FINISHED GRADE
ABV. GR.	ABOVE GRADE	FL.	FLOOR
A.C.	AIR CHAMBER	F.D.	FLOOR DRAIN
A.	AIR	GA.	GAUGE
BL.	BELOW	H.B.	HOSE BIBB
BL. SLB.	BELOW SLAB	H.T.L. S.	HIGH TEMPERATURE LIMIT SWITCH
BL. GR.	BELOW GRADE	INSUL.	INSULATION
CONC.	CONCRETE	INV.	INVERT
CONN.	CONNECTION	M.H.	MANHOLE
CONT.	CONTINUATION	MFG.	MANUFACTURE
DET.	DETAIL	N.C.	NORMALLY CLOSED
DN.	DOWN	N.O.	NORMALLY OPEN
DR.	DRAIN	L.P.S.	LOW PRESSURE SWITCH
DWG.	DRAWING	RET.	RETURN
ELEV.	ELEVATION	SUP.	SUPPLY
EXH.	EXHAUST	S.A.	SHOP AIR
EXIST.	EXISTING		

- NOTES**
- SEE SHEET 5 (CIVIL) FOR DETAIL LOCATIONS OF ALL PIPING AND EQUIPMENT.
 - THIS SHEET DOES NOT PURPORT TO SHOW ALL EXISTING OR PROPOSED UTILITIES. (FOR GENERAL REFERENCES ONLY)



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 atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
 MECHANICAL SITE PLAN

DRON: MMB APPROVED
 DRAWN: R.J.D.
 CHECKED: C.S. SCALE: 1" = 40'

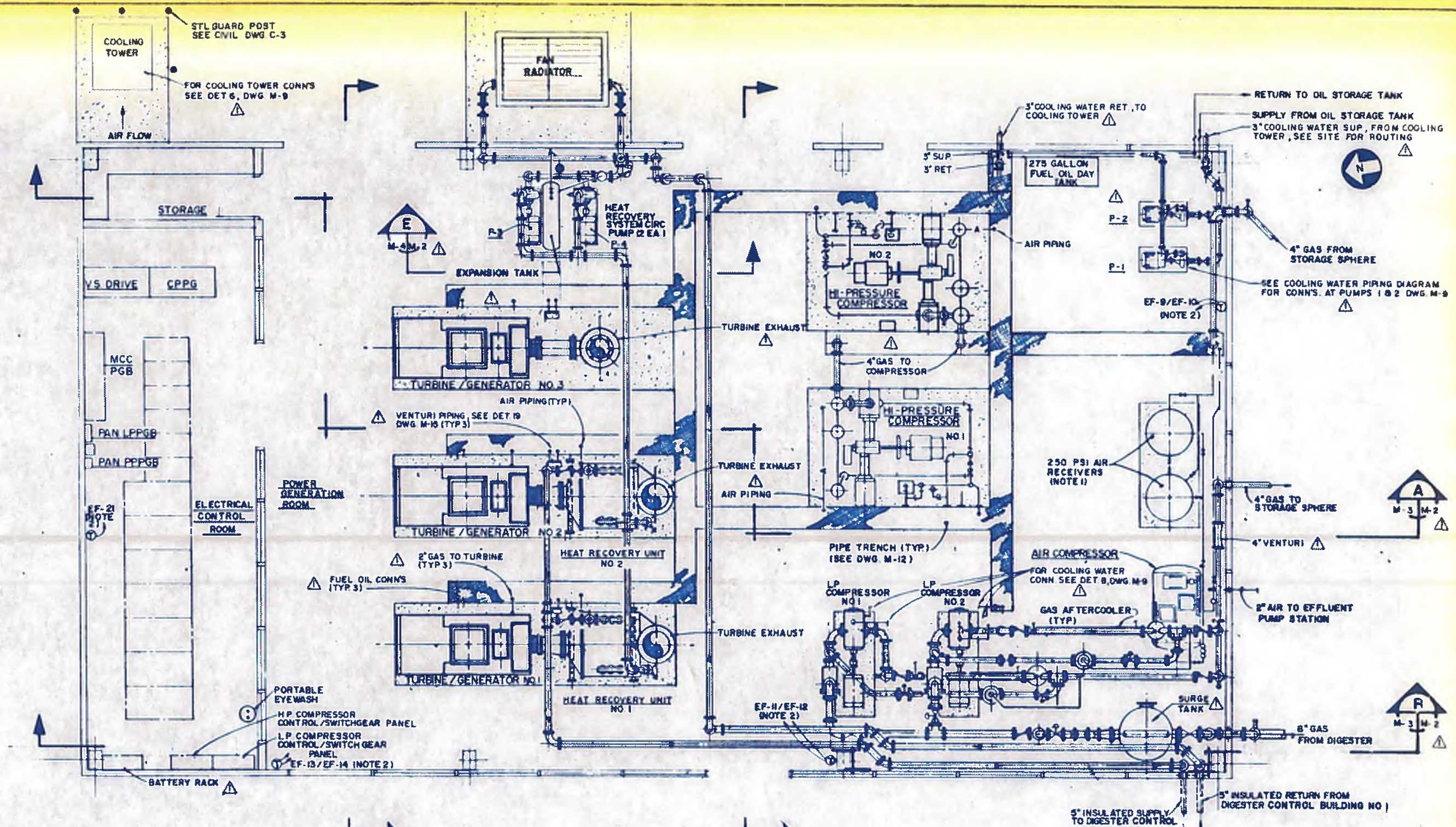
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

NO.	DATE	BY	DESCRIPTION	PLACE

LAND LOT: APPROVED DISTRICT: COUNTY: SHEET NO: 106

SITE PLAN



- NOTES**
1. FOR AIR SYSTEM DETAILS SEE SHEET III (M-10)
 2. THERMOSTAT TO CONTROL EXHAUST FANS BASED ON MAX. 10°F TEMPERATURE RISE TO 95°F MOUNT T' STAT 5' ABV FF ON WALL OR COLUMN AT THIS LOCATION
 3. ALL PIPING SHALL BE SLEEVED WHEN PENETRATING BLDG. WALL OR FLOOR SLAB; SEE DET -20 DWG M-13
 4. FOR FUEL OIL PIPING SEE SHEET III (M-10)
 5. FOR HEAT RECOVERY PIPING SEE SHEET 109 (M-8)
 6. FOR COMPRESSOR COOLING WATER PIPING SEE SHEET 110 (M-9)
 7. FOR PIPE ROUTING IN TRENCH SEE SHEET 112 (M-12)

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

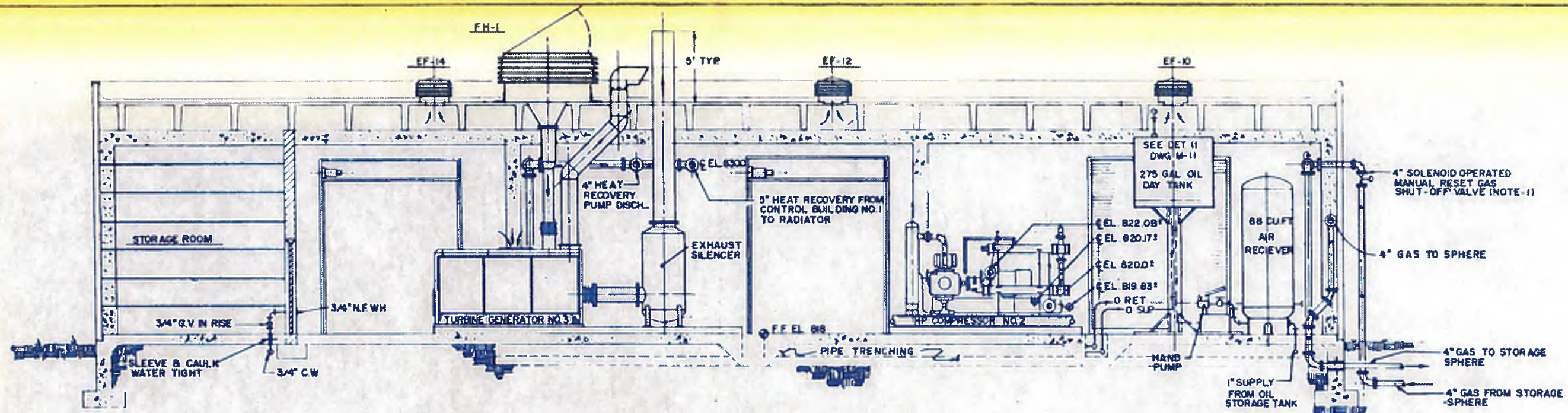


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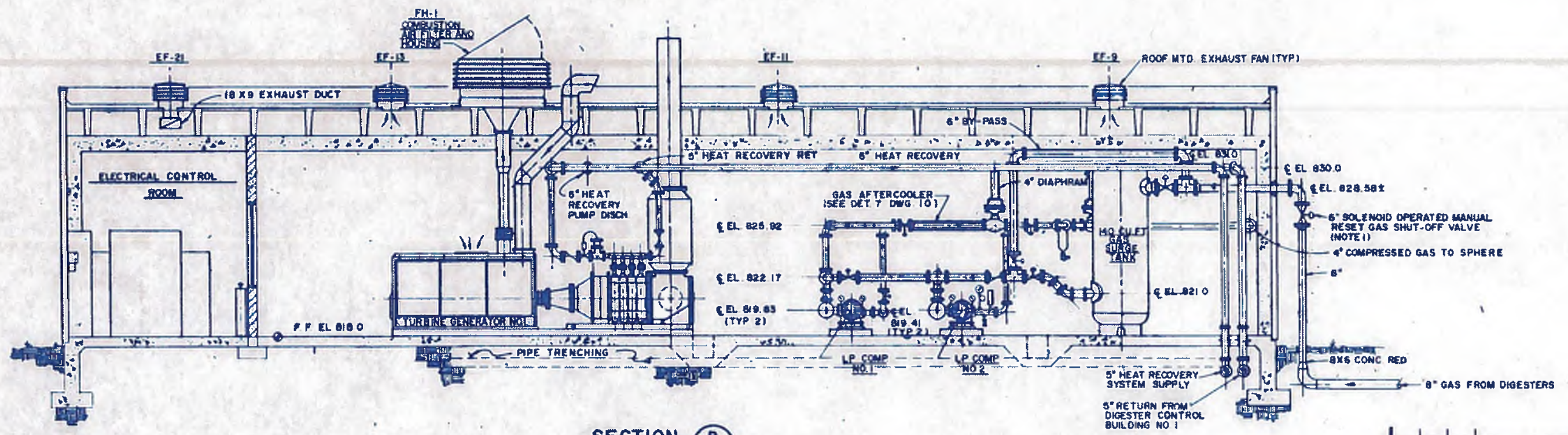
INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION SYSTEM
FLOOR PLAN



DRW: MMB	APPROVED:	DATE: MAY 10, 1982	NO. DATE BY	GENERAL DESCRIPTION	ADD NO. 1
CHK: CS	SCALE: 1/4" = 1'-0"	DATE: MAY 10, 1982	NO. DATE BY	GENERAL DESCRIPTION	ADD NO. 1
DRAWING NO. 1 M-2			SHEET NO. 107		



SECTION A
SCALE 1/4" = 1'-0" M-2 M-3



SECTION B
SCALE 1/4" = 1'-0" M-2 M-3

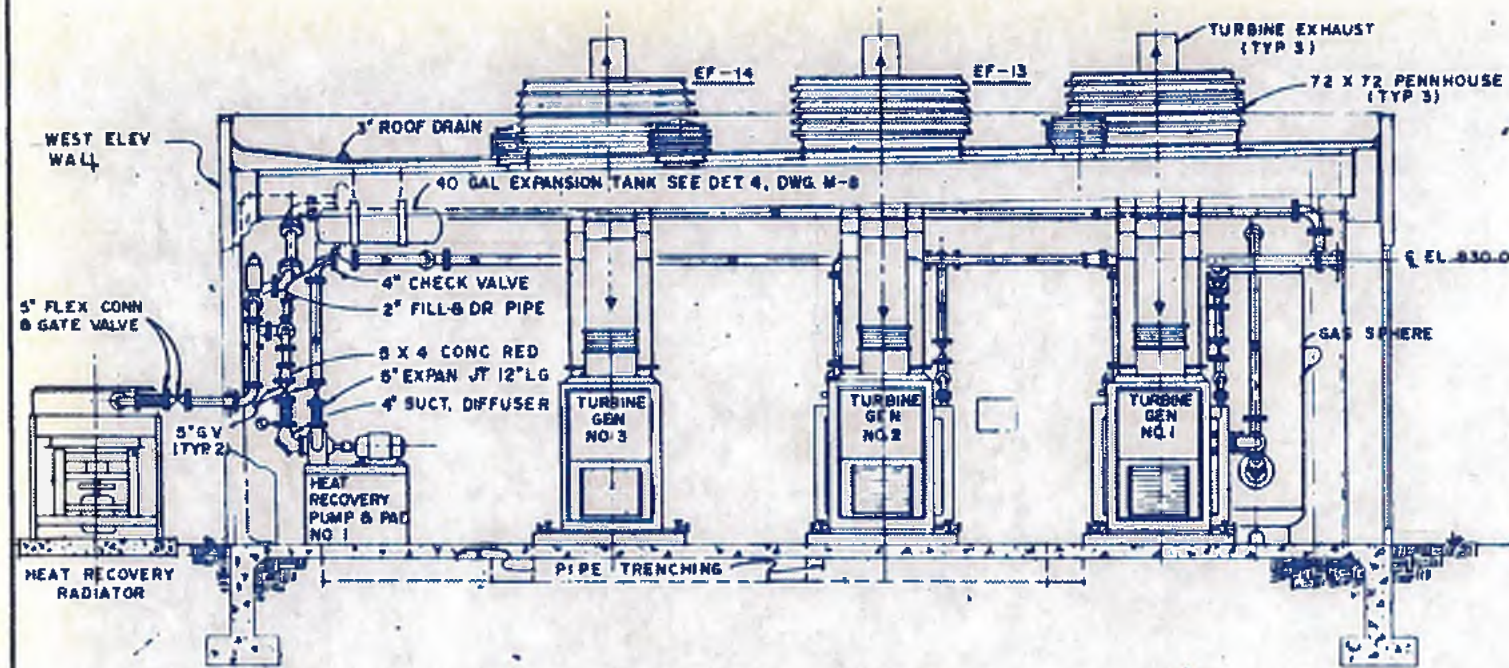
- NOTES**
1. VALVE TO CLOSE UPON DETECTION OF TRACES OF METHANE GAS INSIDE POWER GENERATION BUILDING
 2. ALL PIPE ELEVATIONS ARE TAKEN FROM FINISH FLOOR ELEV 818
 3. ALL PIPING SHALL BE SLEEVED WHEN PENETRATING BLDG WALL OR FLOOR SLAB; SEE DET 20 DWG M-15



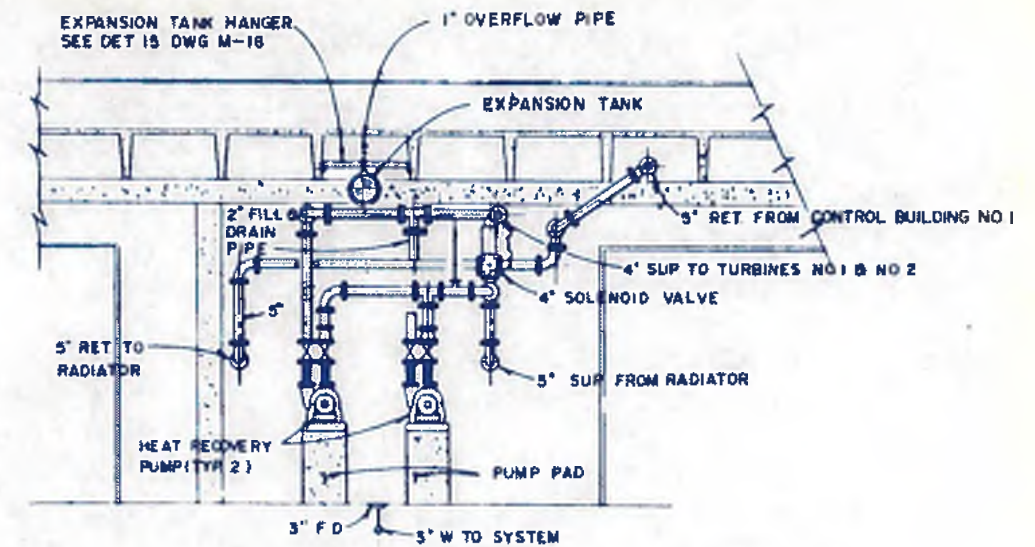
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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION SYSTEM
SECTIONS AND ELEVATIONS

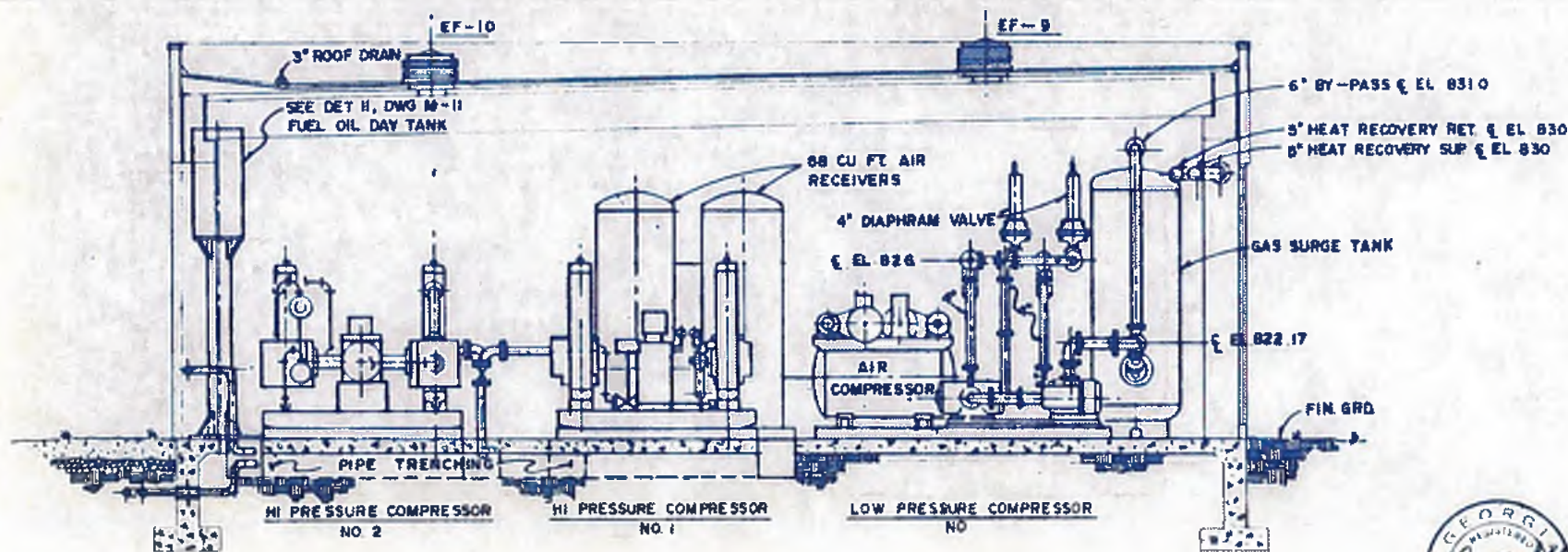
NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				
 CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
ORGN	MMB	APPROVED		
DRWN	JJ			
CHKD	CS			
LAND LOT		DISTRICT	COUNTY	SHEET NO.
APPROVED				107 A
SCALE 1/4" = 1'-0"		DATE MAY 10, 1967	DRAWING NO. 4-M-3	



SECTION C
SCALE: 1/4" = 1'-0" M-2/M-4



SECTION E
SCALE: 1/4" = 1'-0" M-2/M-4



SECTION D
SCALE: 1/4" = 1'-0" M-2/M-4

NOTE
ALL PIPING SHALL BE SLEEVED WHEN PENETRATING BLDG WALL OR FLOOR SLAB, SEE DET 20, DWG M-15



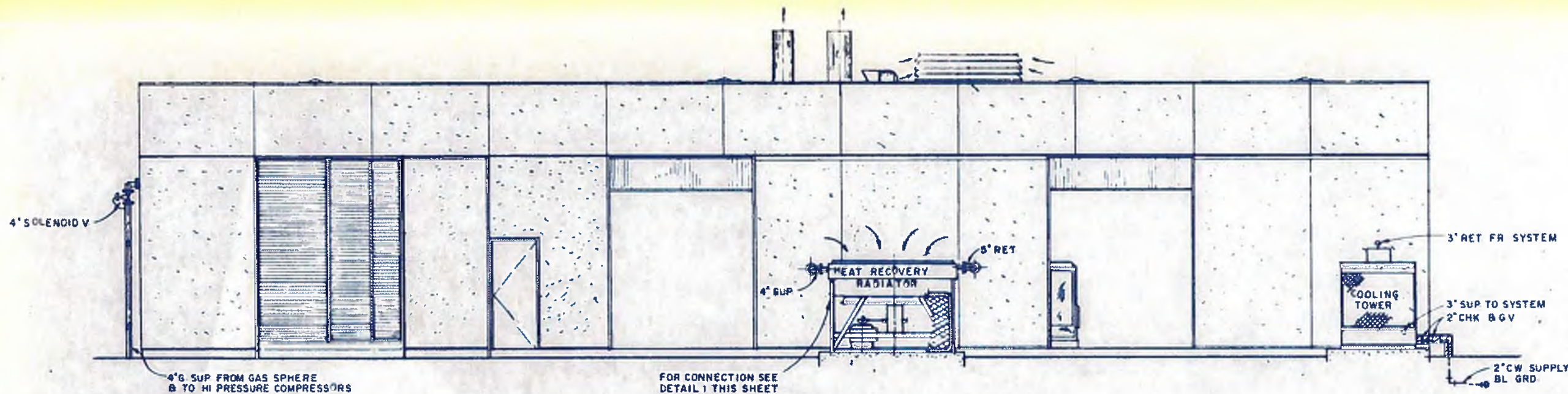
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INTRINCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION SYSTEM
SECTIONS AND ELEVATIONS

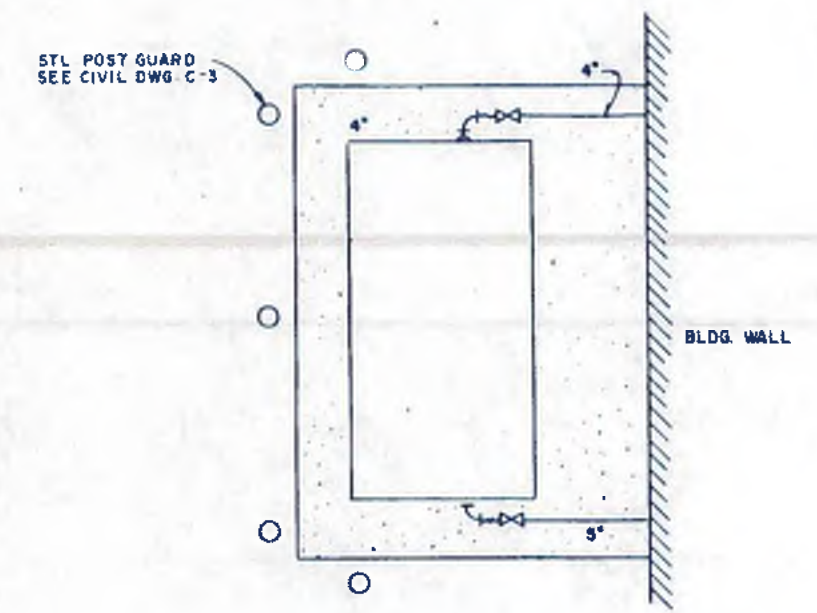
DRGN	MEMB	APPROVED
UPWV	JJ	
CHKD	CS	

SCALE: 1/4" = 1'-0" DATE: MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACED
REVISIONS				
 CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND LOT	DISTRICT	COUNTY	SHEET NO.	
APPROVED			107 B	
DRAWING NO. 4-M-4				



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



DETAIL - RADIATOR CONNECTIONS
N.T.S.

PUMP SCHEDULE									
EQPT NO.	MFG AND TYPE	MODEL SIZE	SERVICE	GPM	HEAD FT	HP	SPEED RPM	VOLTS/PHASE/HERTZ	REMARKS
P-1	BELL & GOSSETT END SUCTION CLOSE-COUPLED	SERIES 1510 2 1/2 B	COOLING TOWER CIRC WATER	125	101	7 1/2	1750	480/3/60	DUPLX
P-2	SAME	SAME	SAME	125	101	7 1/2	1750	480/3/60	
P-3	BELL & GOSSETT END SUCTION CLOSE-COUPLED	SERIES 1510 4BB	HEAT RECOVERY CIRCULATING WATER	450	203	40	3500	480/3/60	DUPLX B TWO SPEED
P-4	SAME	SAME	SAME	450	203	40	3500	480/3/60	

EXHAUST FAN SCHEDULE							
FAN NO.	AREA SERVED	CFM	S.P.	MAX RPM	DRIVE TYPE	ELEC CHARACTERISTICS	HP
EF-9	POWER GEN ROOM	2350	0.0	765	V-BELT	460/3/60	1/4
EF-10	POWER GEN ROOM	2350	0.0	765	V-BELT	460/3/60	1/4
EF-11	POWER GEN ROOM	2350	0.0	765	V-BELT	460/3/60	1/4
EF-12	POWER GEN ROOM	2350	0.0	765	V-BELT	460/3/60	1/4
EF-13	POWER GEN ROOM	2350	0.0	765	V-BELT	460/3/60	1/4
EF-14	POWER GEN ROOM	2350	0.0	765	V-BELT	460/3/60	1/4
EF-21	ELECTRICAL ROOM	1470	0.125	1020	V-BELT	460/3/60	1/4



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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION SYSTEM
ELEVATIONS AND DETAILS

DRGN: MMB
DWGN: WC
CHKD: CS

APPROVED: [Signature]
DATE: MAY 10, 1992

NO.	DATE	BY	DESCRIPTION	PLACED

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

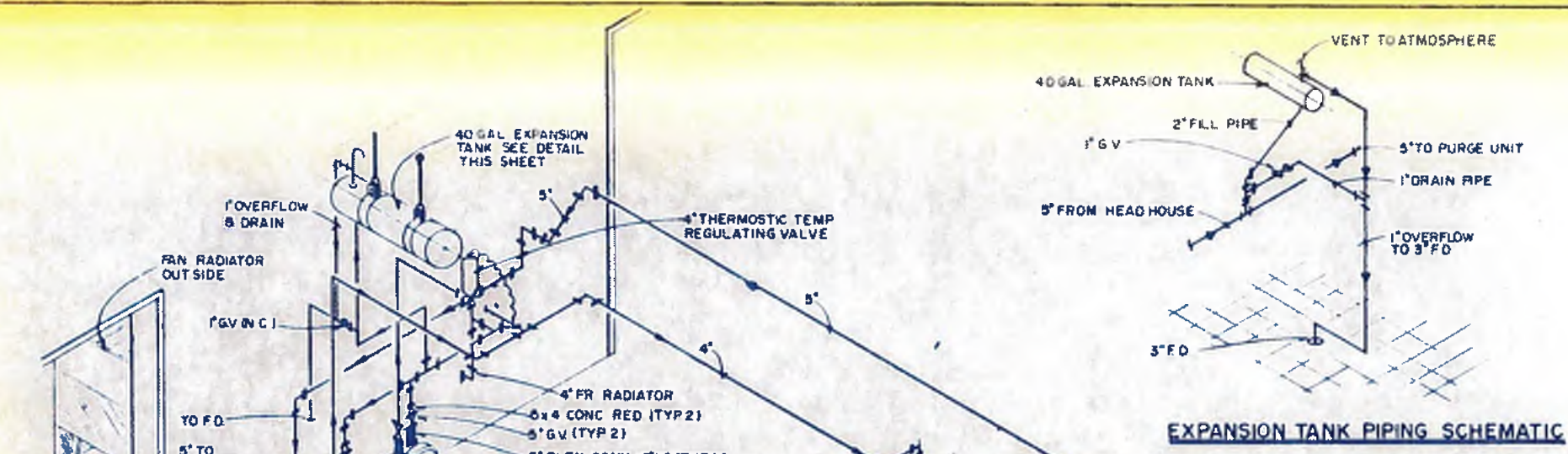
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: [] DISTRICT: [] COUNTY: []
APPROVED: [] SHEET NO: 107 C

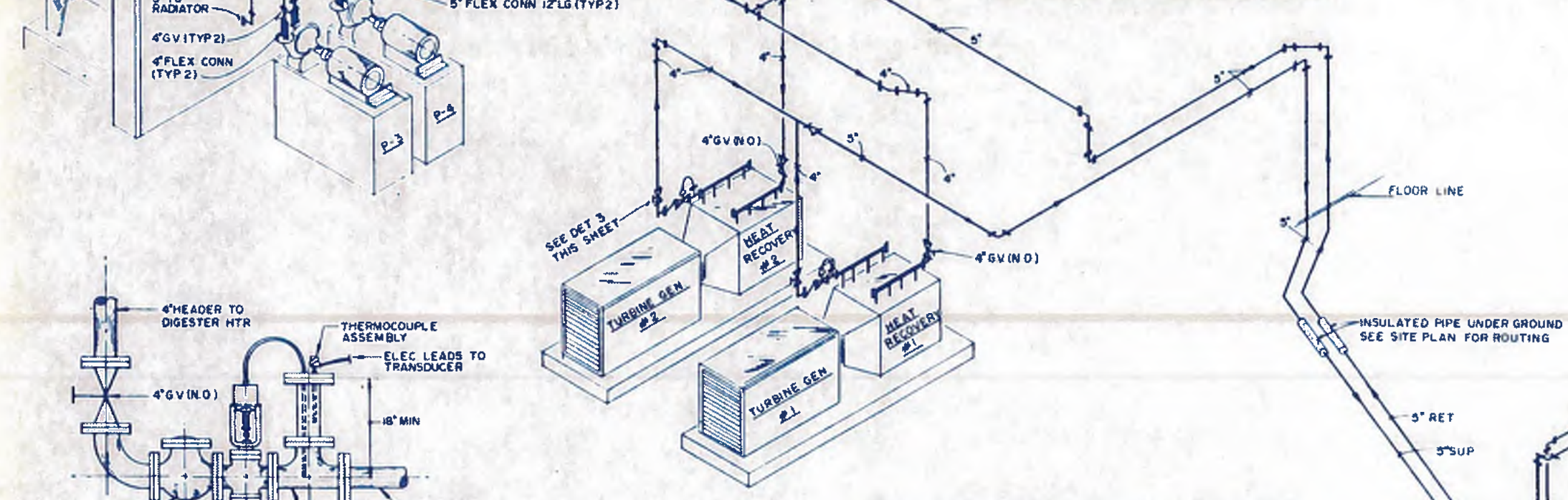
HEAT RECOVERY SYSTEM SEQUENCE OF OPERATION

1. WHEN HEAT RECOVERY UNIT WATER TEMPERATURE REACHES 140°F THERMOSTATIC TEMPERATURE REGULATING VALVE (TTRV) BEGINS TO OPEN TO PERMIT FLOW FROM HEAT RECOVERY UNIT (HRU).
2. WHEN THERMOCOUPLE SENSES 145°F WATER IN HEAT RECOVERY UNIT (HRU), PUMP P-3 OR P-4 IS ENERGIZED TO ON CONDITION TO INDUCE FLOW THROUGH CIRCULATING LOOP AND DIGESTER HEATERS (LOCATED IN DIGESTER HEAD HOUSE)
3. WHEN ONLY ONE (1) TURBINE-GENERATOR SET IS IN OPERATION PUMP (P-3) OR (P-4) WILL OPERATE AT ONE-HALF SPEED. FULL PUMP SPEED OPERATION OCCURS WHEN TWO (2) TURBINE GENERATOR SETS ARE OPERATING.
4. PUMPS P-3 AND P-4 ARE TO OPERATE IN DUPLEX MODE TO MAINTAIN EQUAL WEAR.

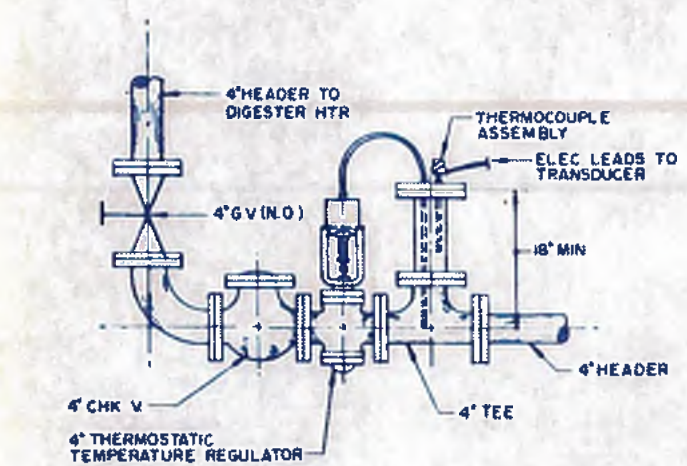
- NOTES:**
1. DIGESTER HEATERS LOCATED IN DIGESTER HEADHOUSE ARE EXISTING.
 2. COORDINATE MECHANICAL MODIFICATIONS TO DIGESTER HEATERS WITH OTHER DESPLINES MAKING MODIFICATIONS.



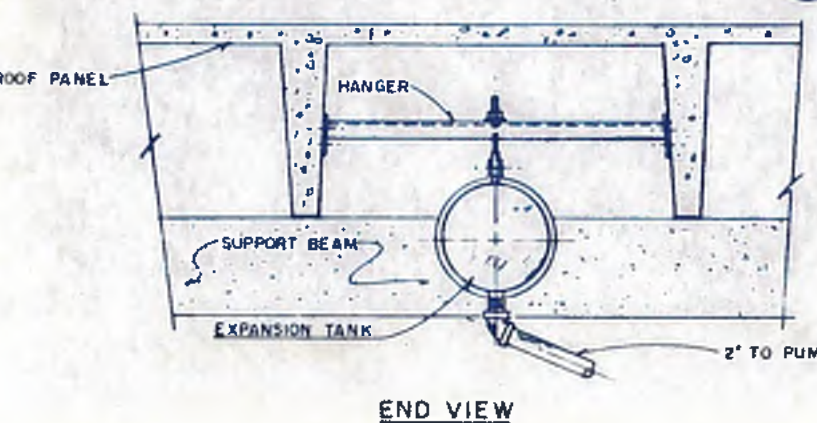
EXPANSION TANK PIPING SCHEMATIC



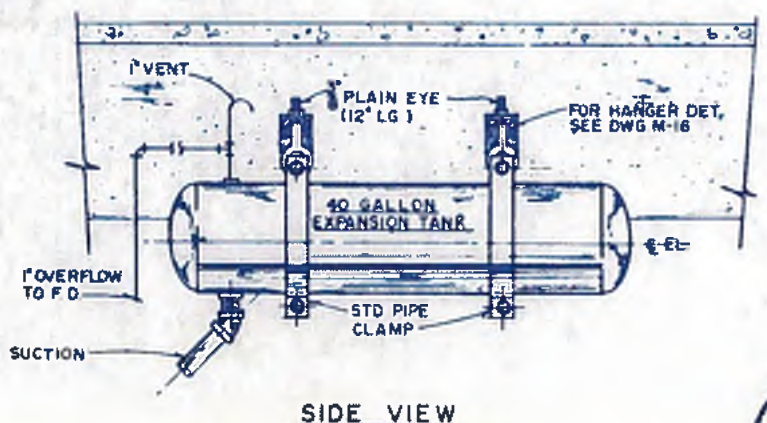
HEAT RECOVERY PIPING DIAGRAM SCHEMATIC - ONLY



DETAIL-HEAT RECOVERY DISCH. CONNECTION
NTS

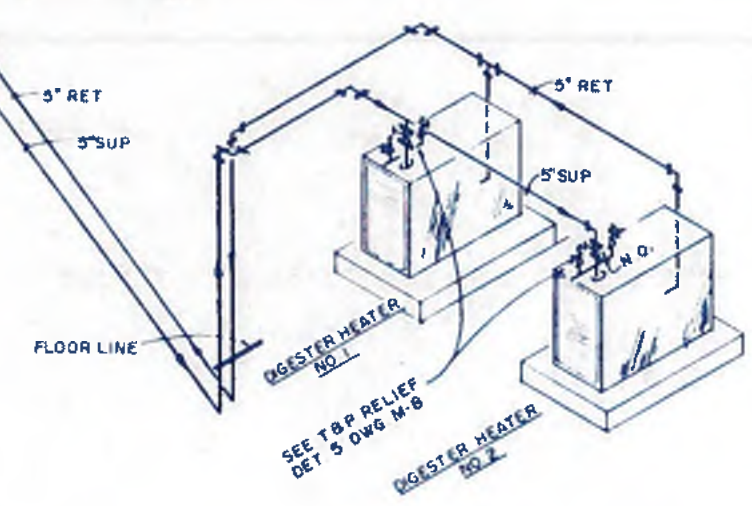


END VIEW



SIDE VIEW

DETAIL - EXPANSION TANK MOUNTING
NTS



FLOOR LINE



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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION SYSTEM
HEAT RECOVERY SYSTEM

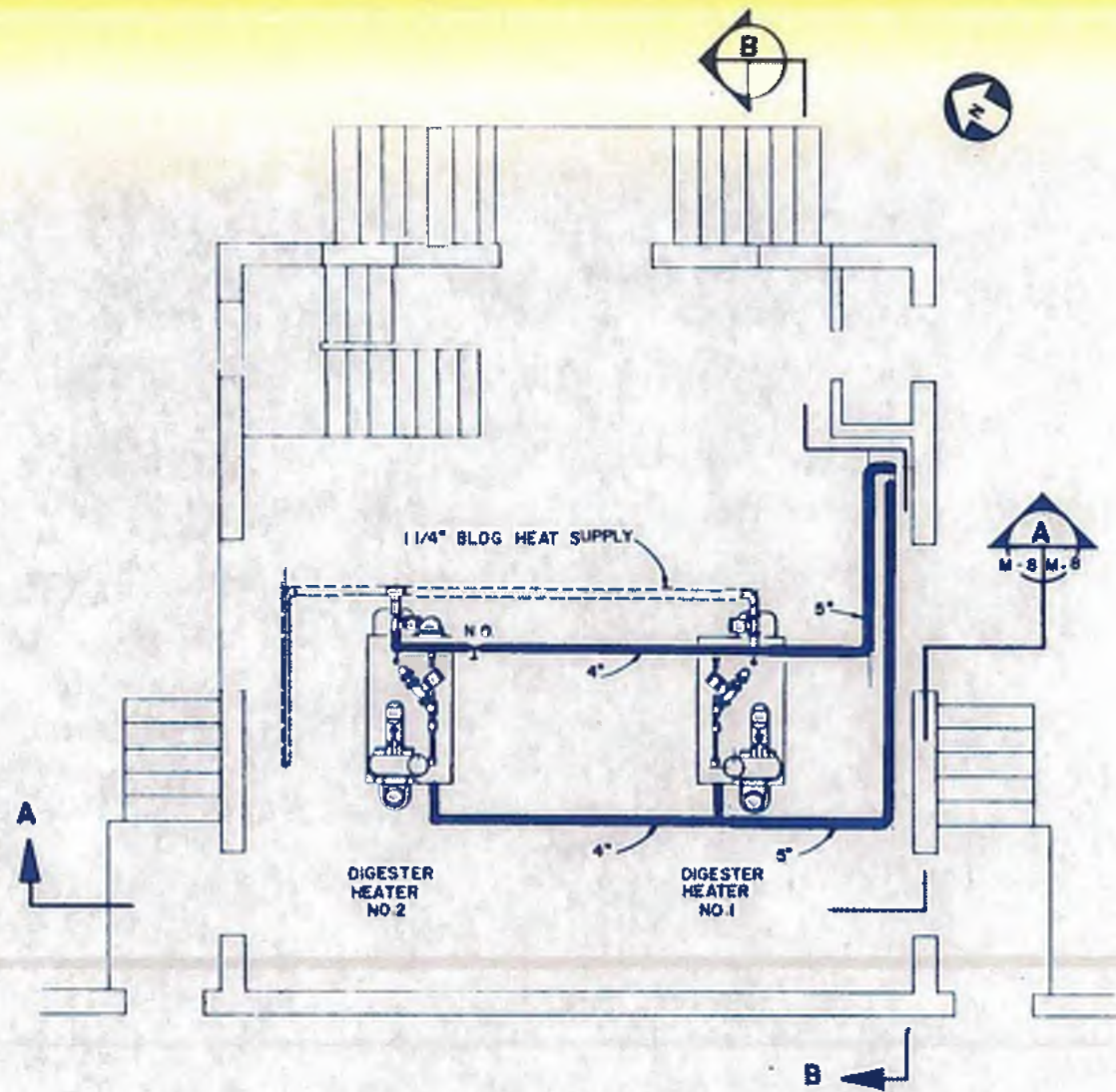
DATE: MAY 10, 1982

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

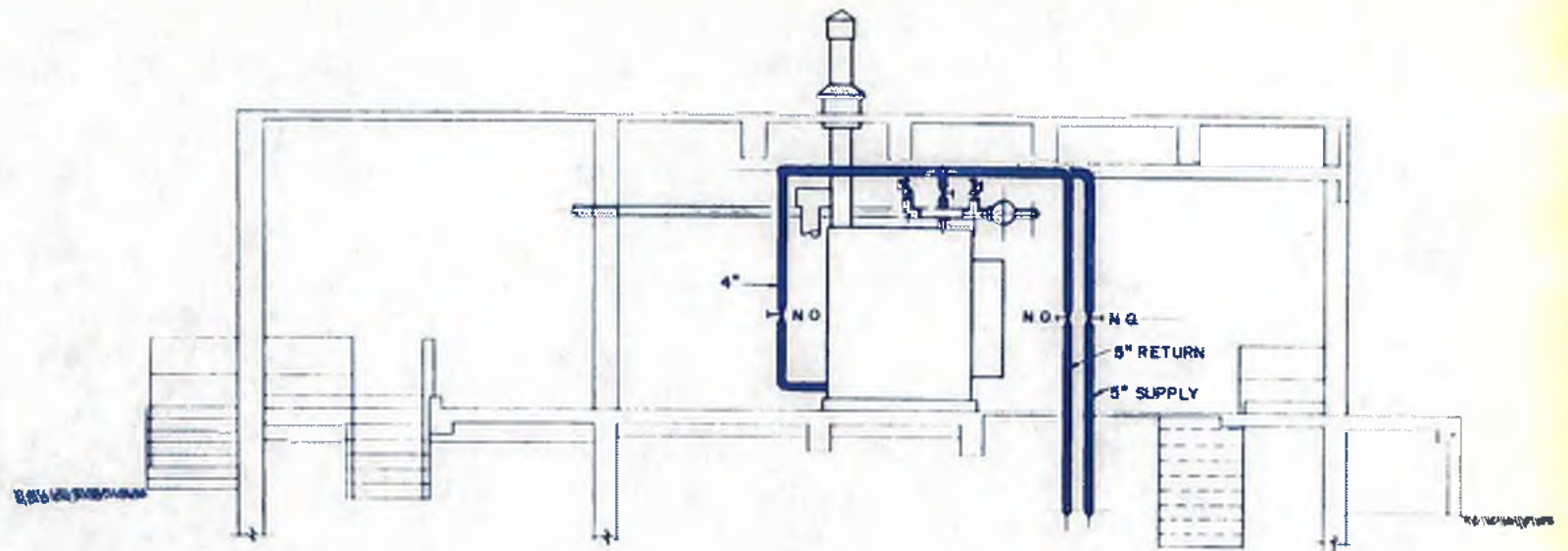
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

NO.	DATE	BY	DESCRIPTION	PLACE

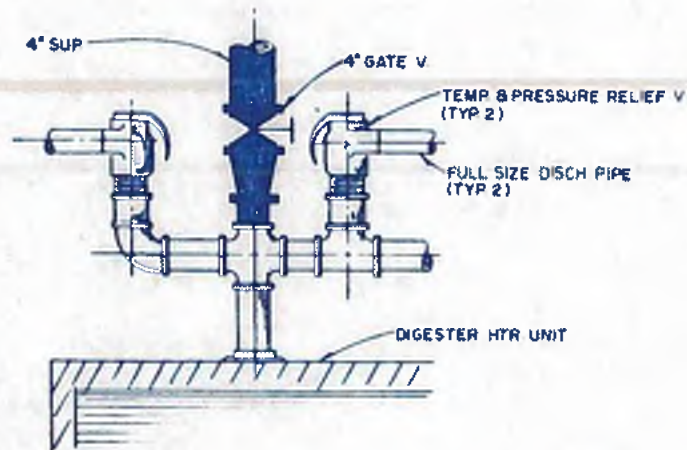
LANG. LOT: APPROVED DISTRICT: COUNTY: SHEET NO. **109**



DIGESTER CONTROL BUILDING NO. 1 FLOOR PLAN
SCALE: 1/4" = 1'-0"

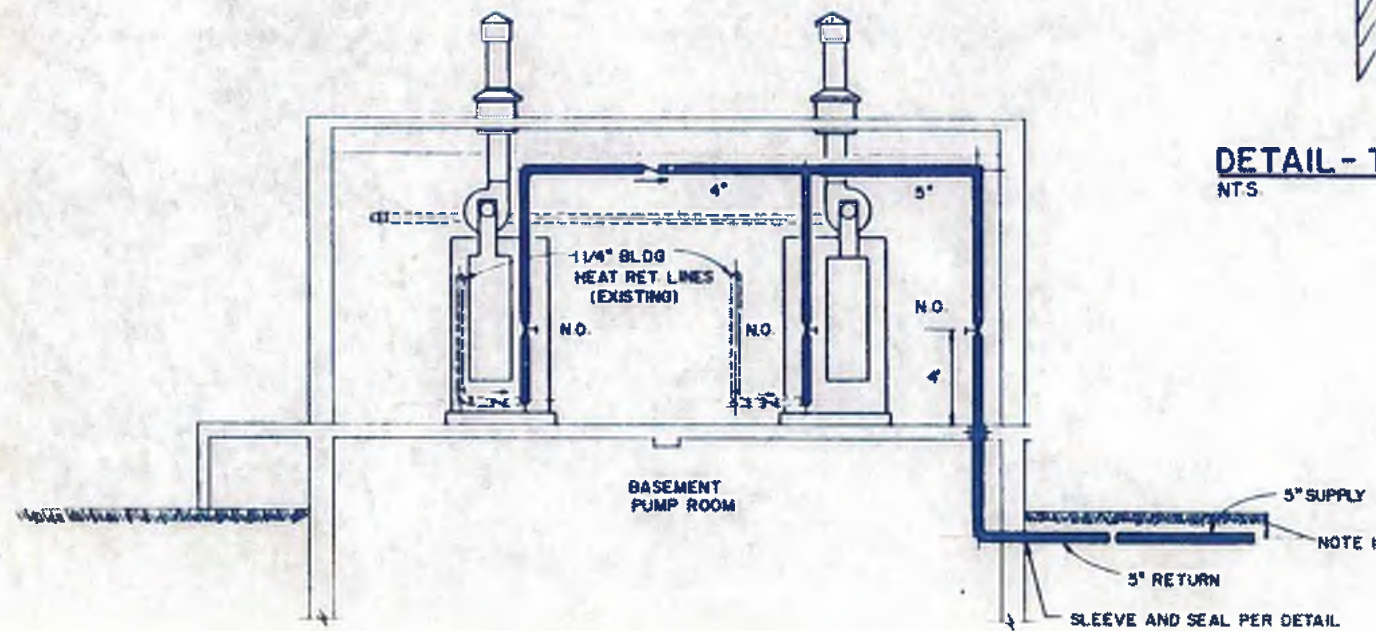


SECTION
SCALE: 1/4" = 1'-0"
B
M-B-M-B



DETAIL - T & P RELIEF VALVE ASSEMBLY
NTS
22
M-B-M-B

- NOTES:**
1. LOCATE ALL OUTSIDE HEAT RECOVERY SYSTEM PIPING 6" BELOW LOCAL FROST LINE.
 2. SUPPORT PIPING PER SCHEDULE ON DWG M-16
 3. INSULATE ALL HEAT RECOVERY SYSTEM PIPING
 4. ALL PIPING SHALL BE SLEEVED WHEN PENETRATING BLDG WALL OR FLOOR SLAB, GET 20 DWG M-15



SECTION
SCALE: 1/4" = 1'-0"
A
M-B-M-B

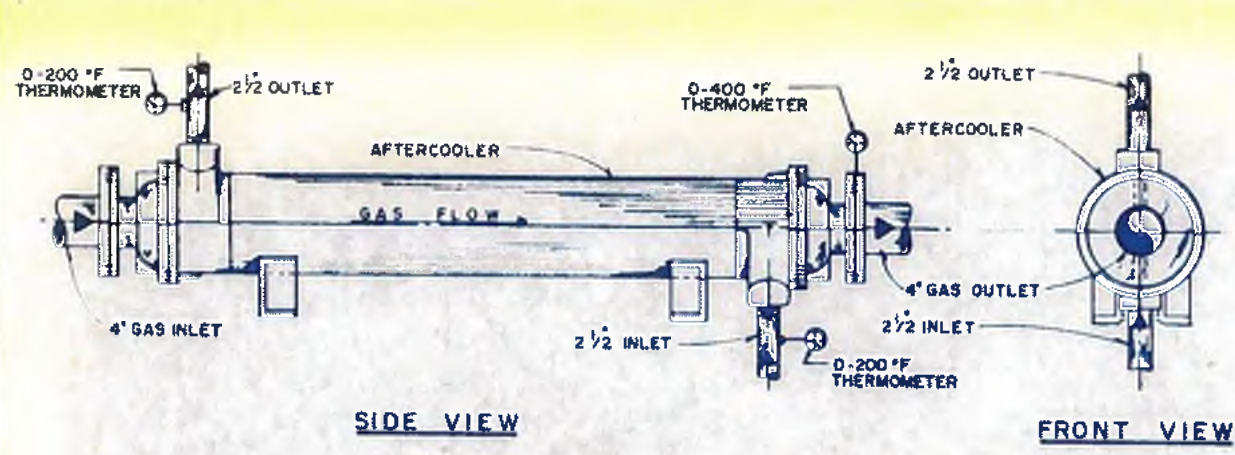
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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION SYSTEM
HEAT RECOVERY SYSTEM

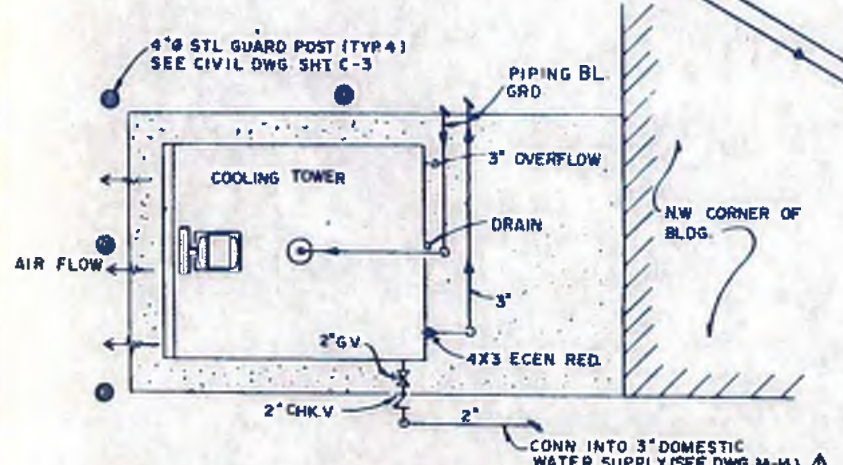
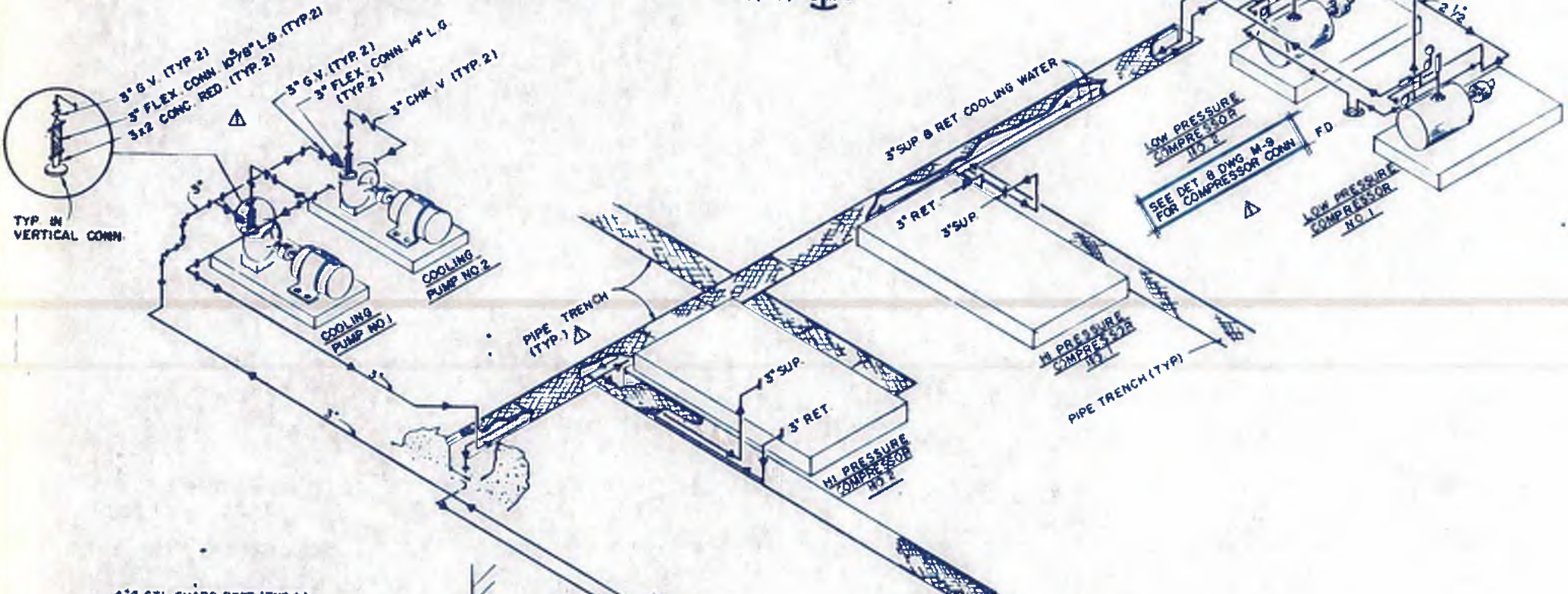


NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				
 CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND LOT	DISTRICT	COUNTY	SHEET NO.	
APPROVED			109A	
DRAWN	SCALE	DATE	DRAWING NO.	
CS	1/4" = 1'-0"	MAY 10, 1982	4-M-B	

DWG: MMB APPROVED
 OWN: JJJ
 CHD: CS SCALE: 1/4" = 1'-0" DATE: MAY 10, 1982

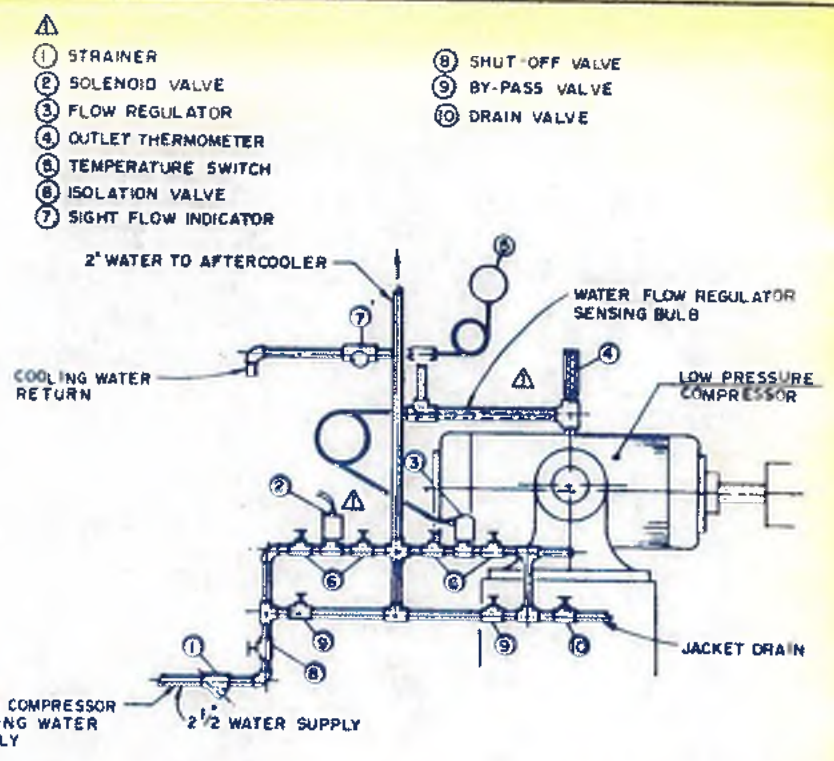
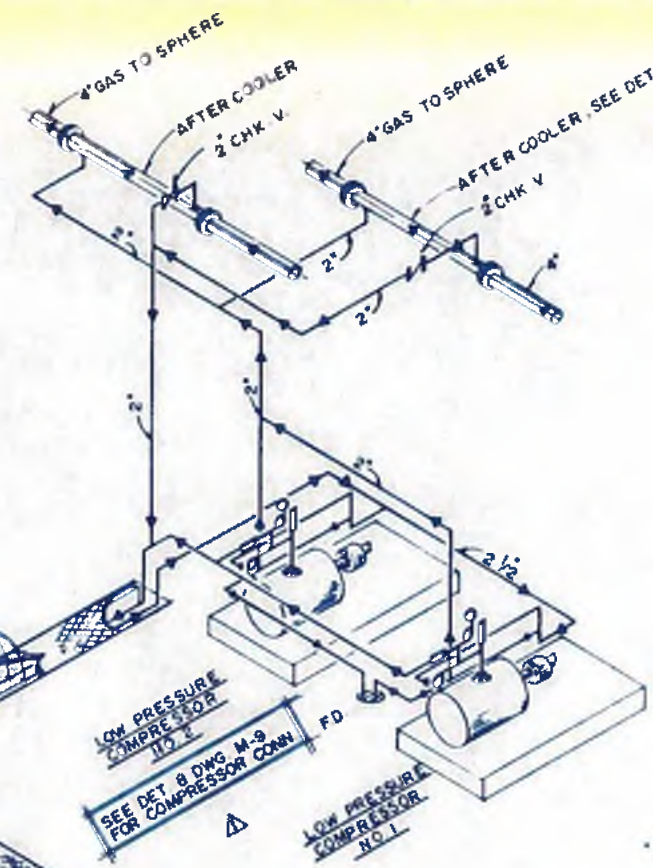


DETAIL - AFTERCOOLER CONNECTIONS
 N.T.S. M-2, M-3, M-9 M-9



DETAIL - COOLING TOWER CONNECTIONS
 N.T.S. M-2, M-3, M-9 M-9

COMPRESSOR COOLING WATER PIPING DIAGRAM
 SCHEMATIC - ONLY



DETAIL - COOLING WATER CONNECTIONS
 N.T.S. M-2, M-3, M-9 M-9

- ① STRAINER
- ② SOLENOID VALVE
- ③ FLOW REGULATOR
- ④ OUTLET THERMOMETER
- ⑤ TEMPERATURE SWITCH
- ⑥ ISOLATION VALVE
- ⑦ SIGHT FLOW INDICATOR
- ⑧ SHUT-OFF VALVE
- ⑨ BY-PASS VALVE
- ⑩ DRAIN VALVE



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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION SYSTEM
COMPRESSOR COOLING WATER

NO.	DATE	BY	GENERAL DESCRIPTION	ADD NO.

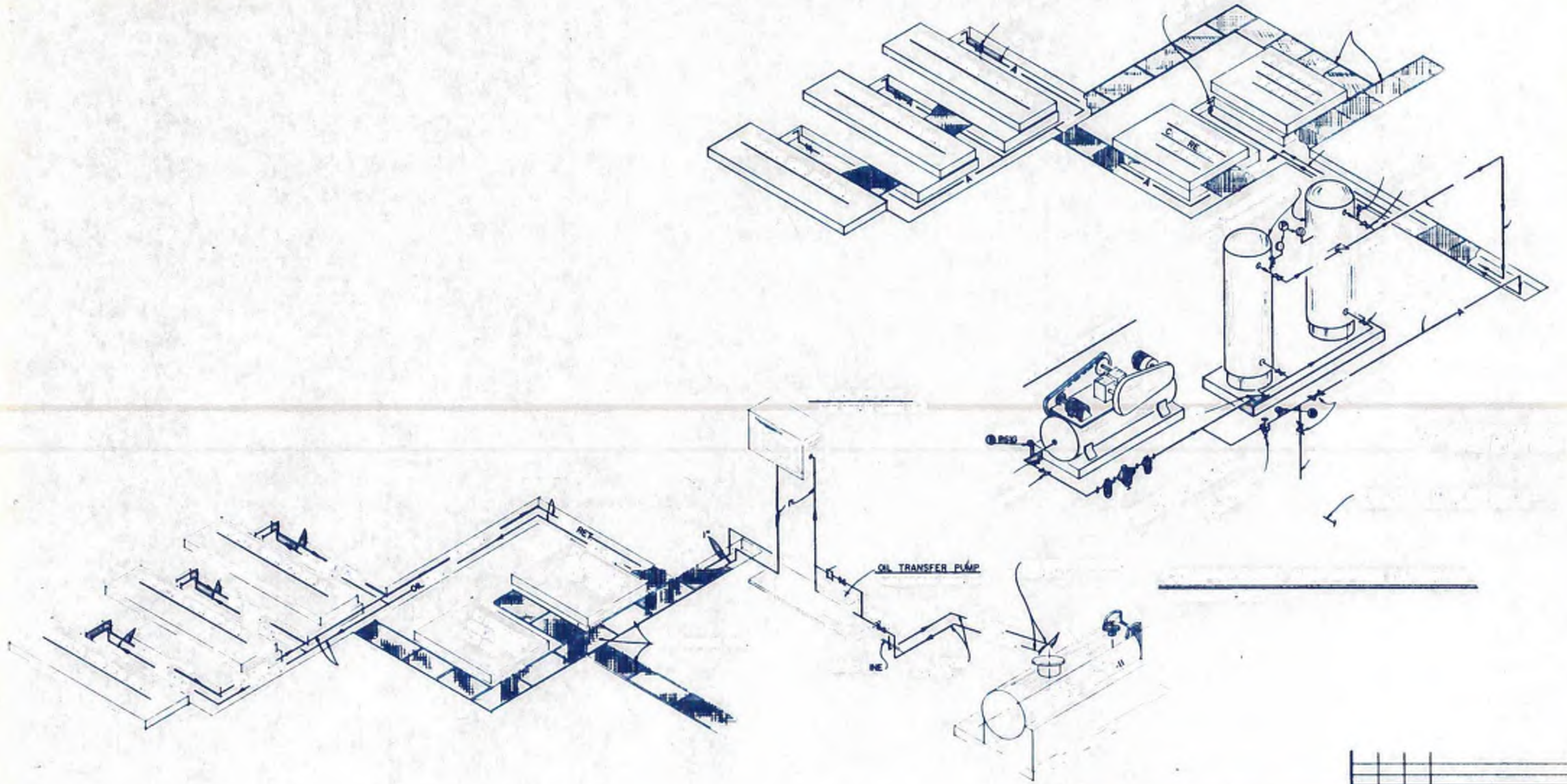
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREET
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: DISTRICT: COUNTY: SHEET NO.:

APPROVED: DATE: DRAWING NO. 4-M-2

DESIGN: MMD APPROVED
 DRAWN: VJ
 CHECK: CS
 SCALE: AS SHOWN
 DATE: MAY 10, 1982



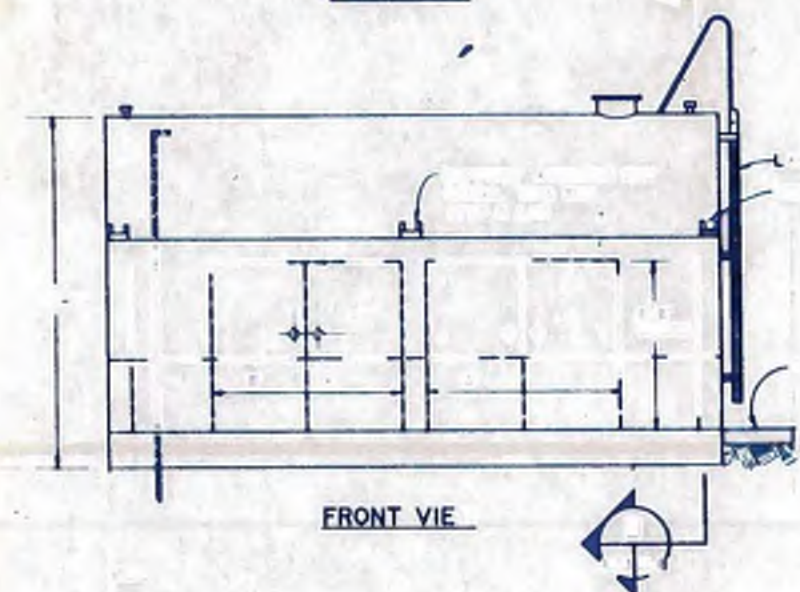
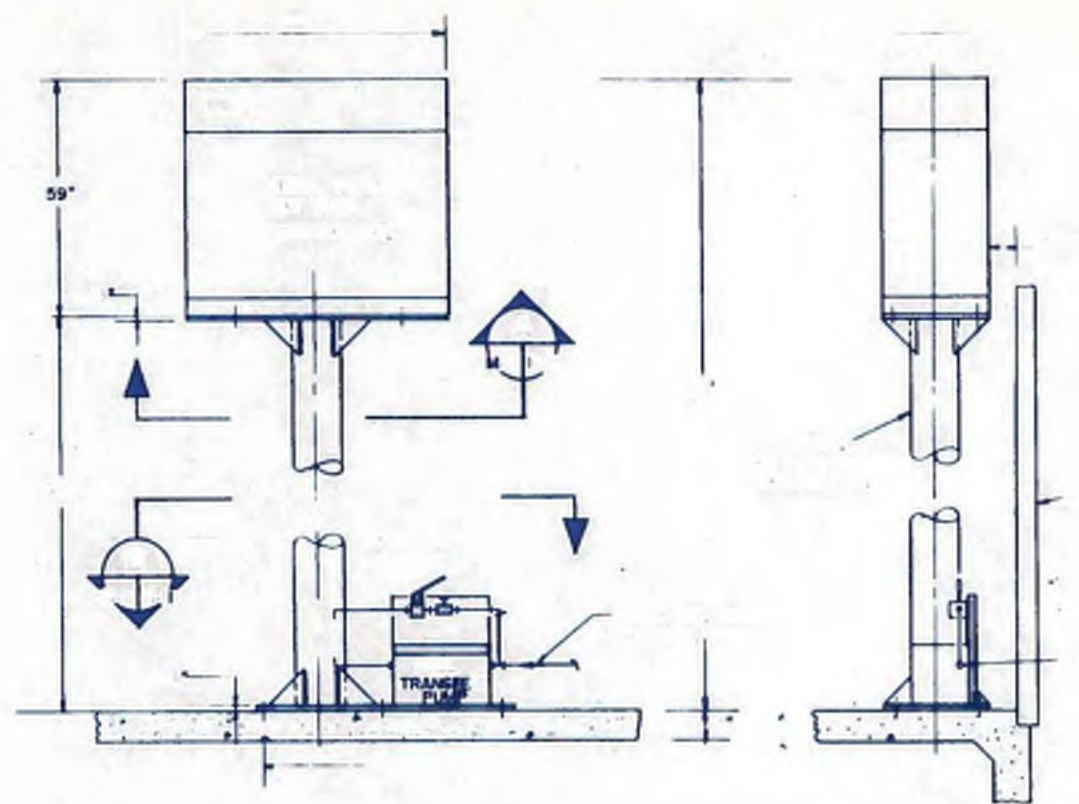
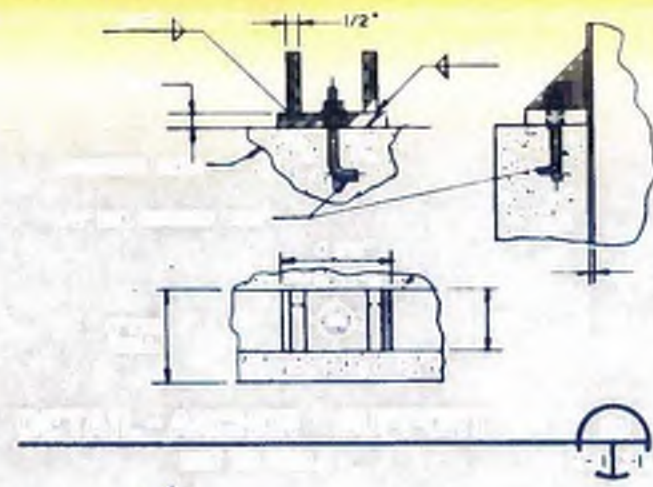
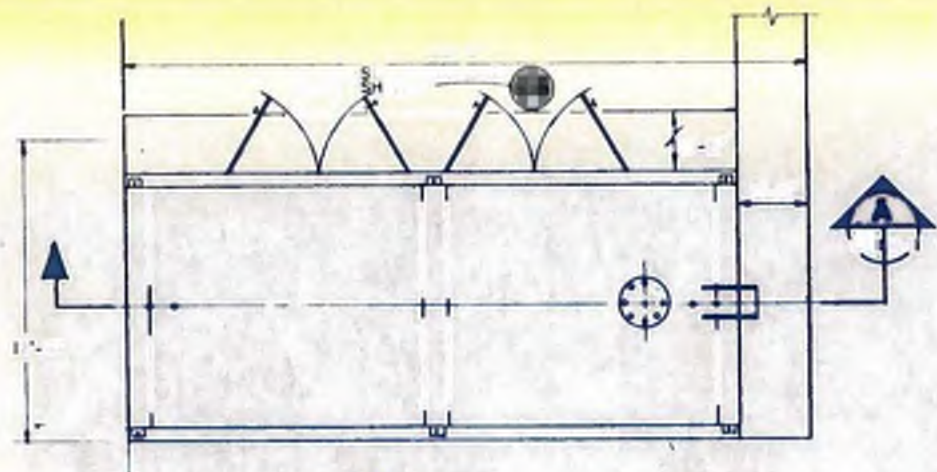
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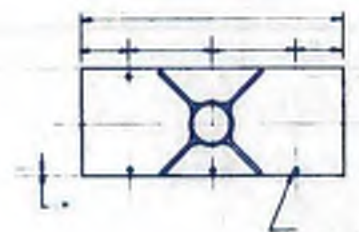
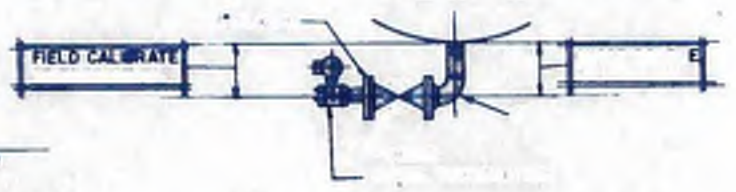
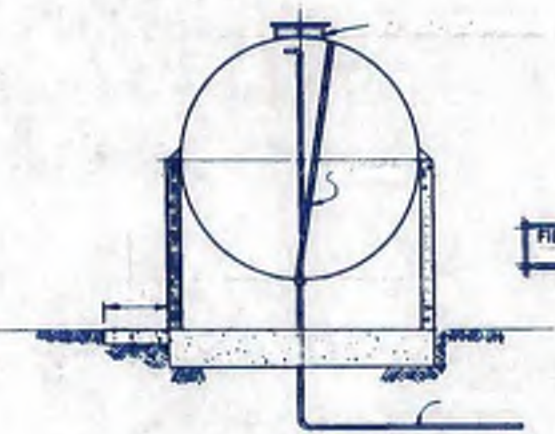
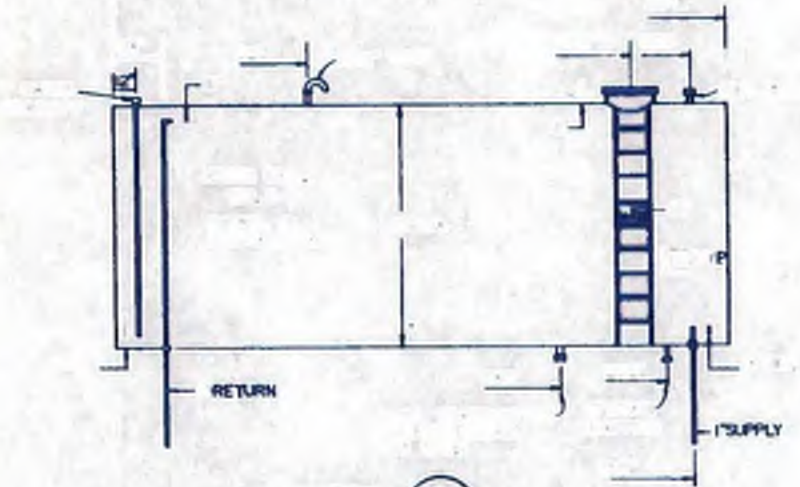
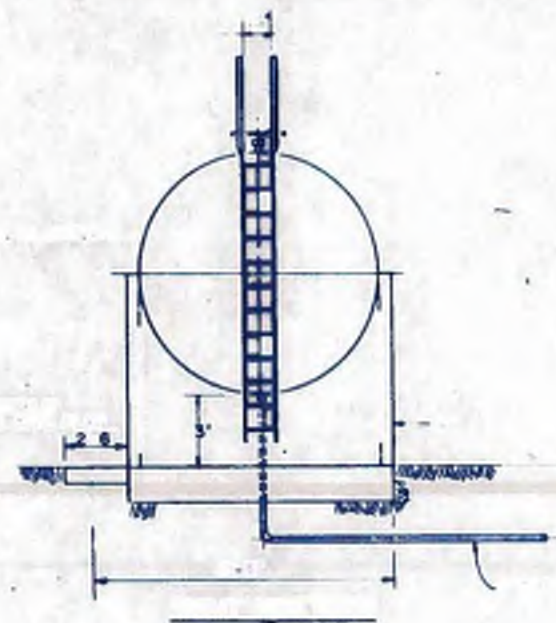
DESCRIPTION	
NO.	REVISIONS

Y 10, 592

4-M-10



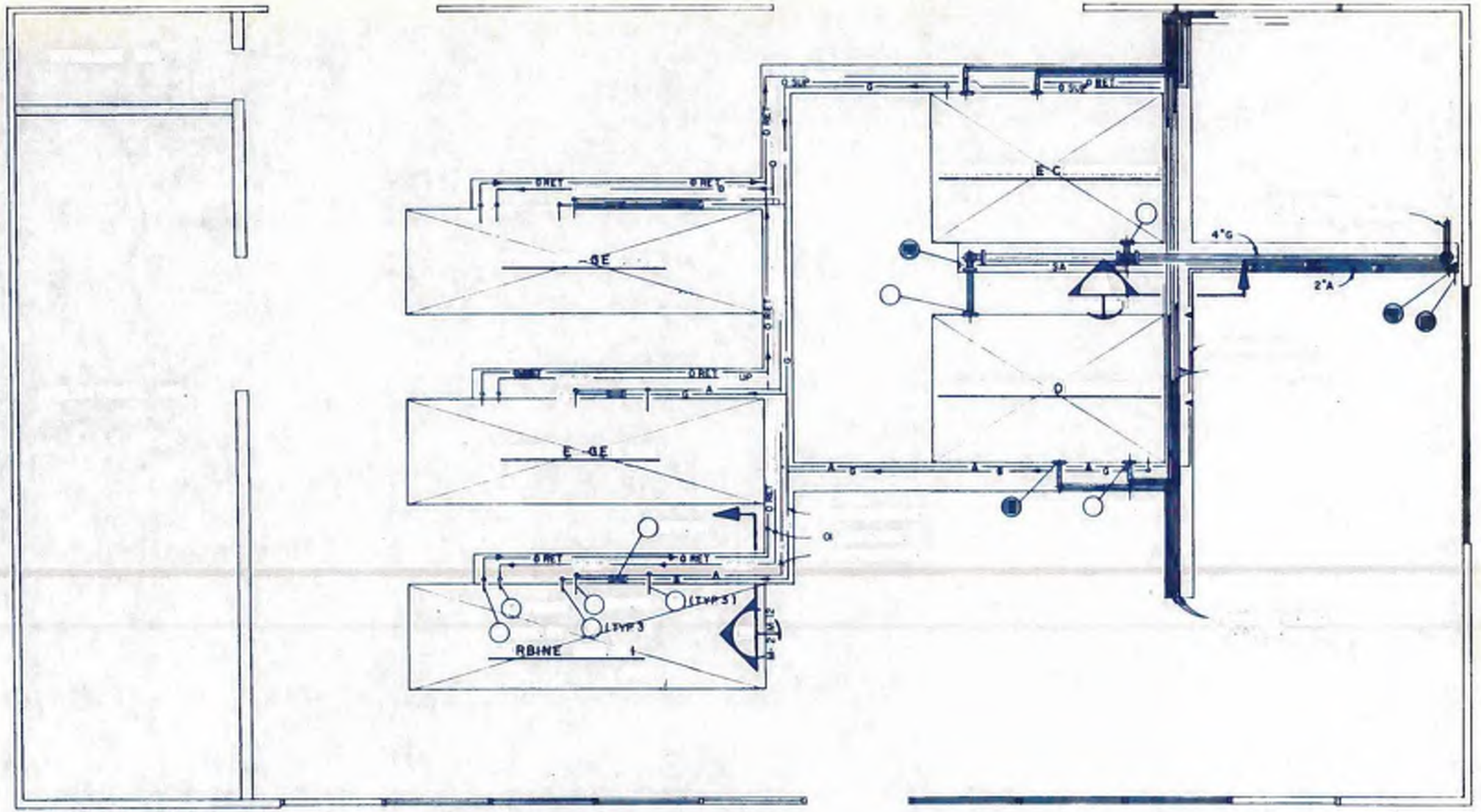
FRONT VIEW



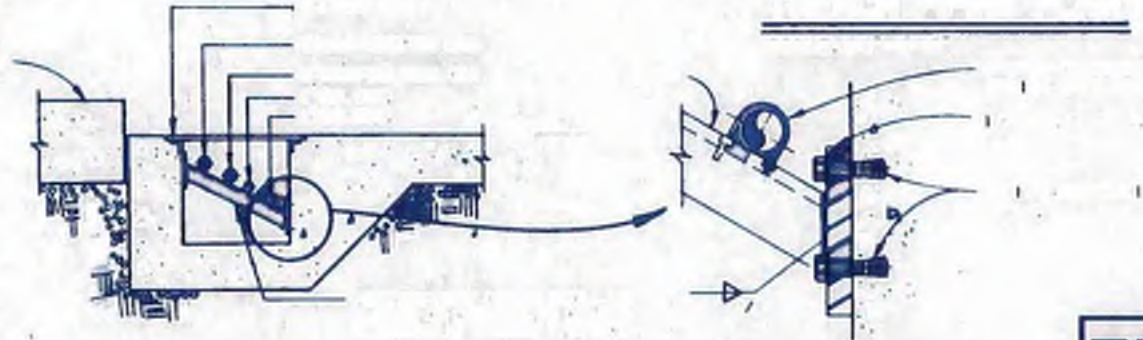
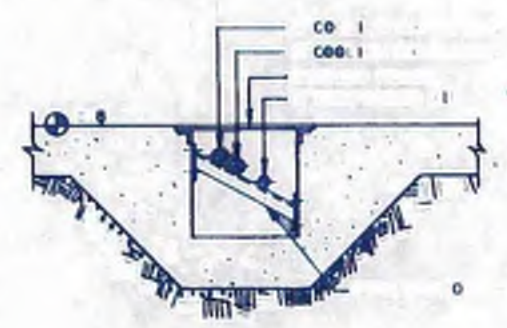
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atlanta, georgia



DATE	AS SHOWN	DATE	MAY 10, 1982	SCALE	1 - M - 11
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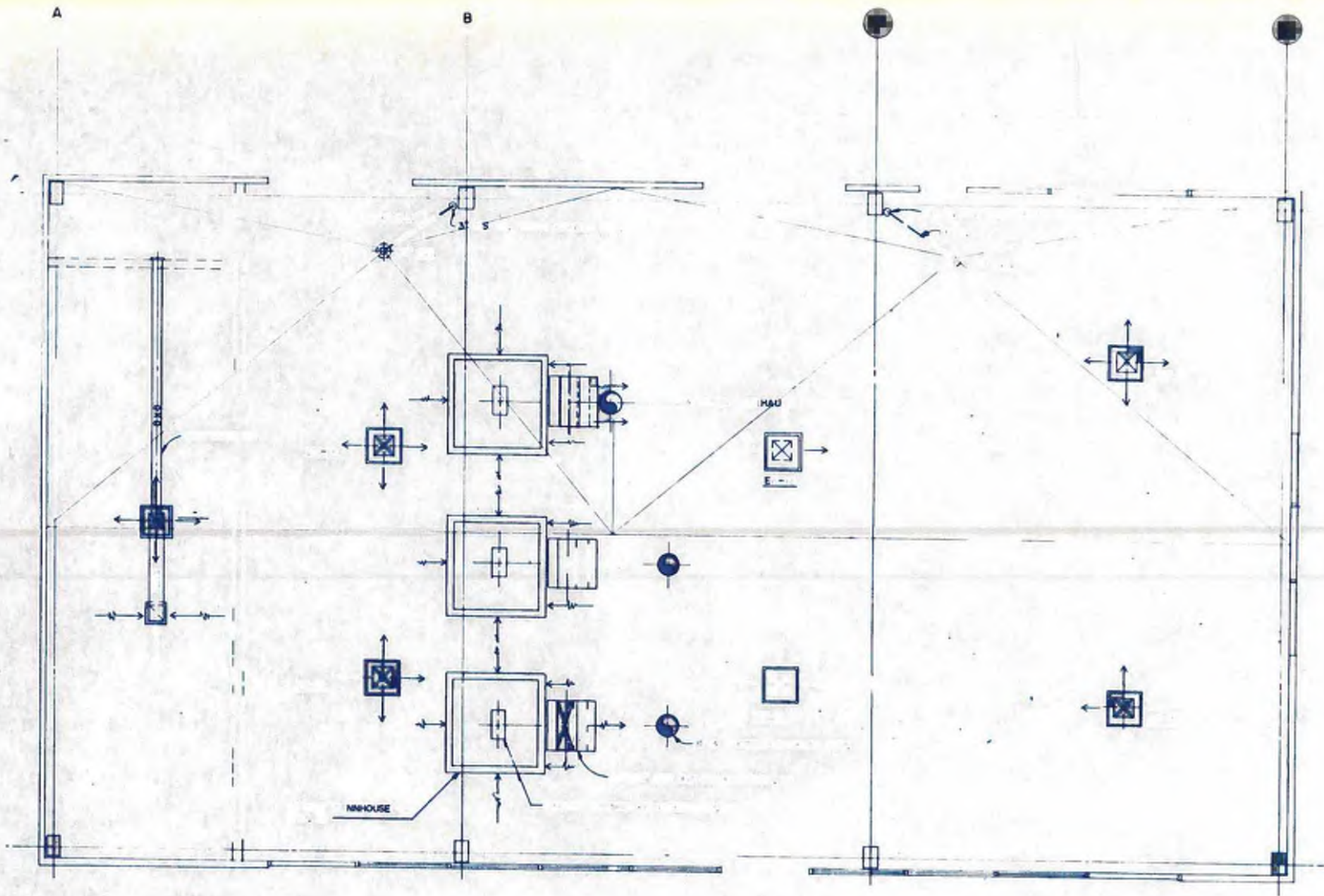
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NO.	DESCRIPTION	REVISION
1		
2		
3		
4		

DATE MAY 10, 1962

4-M-12



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 atlanta, georgia

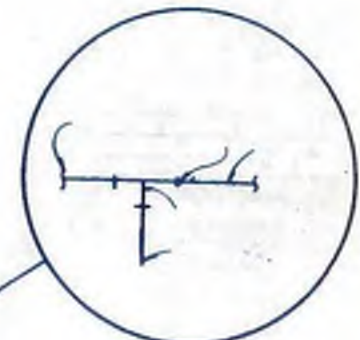
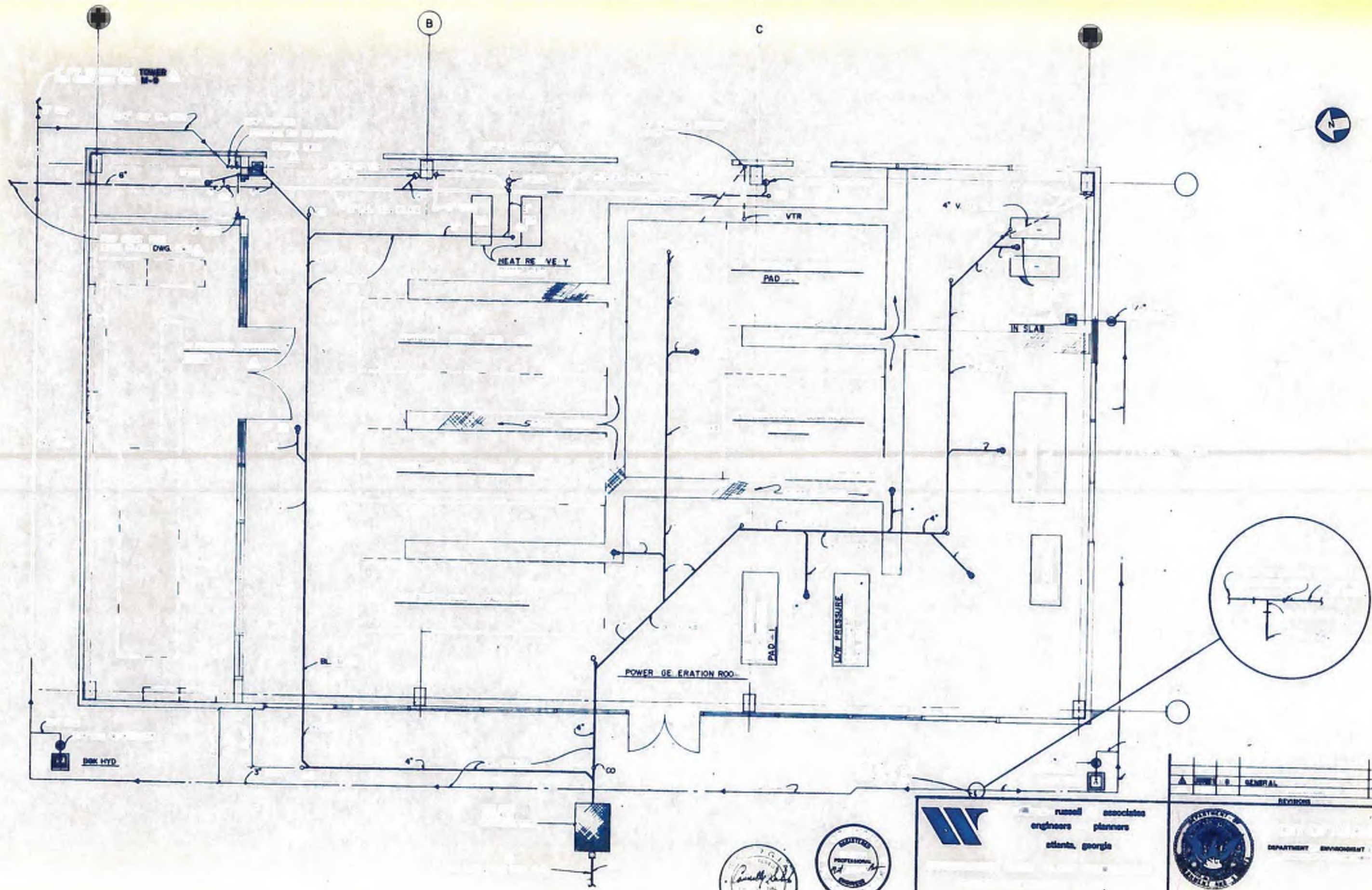


DATE **MAY 10, 1962**

REVISIONS

NO.	DESCRIPTION	DATE

4 - M - 13



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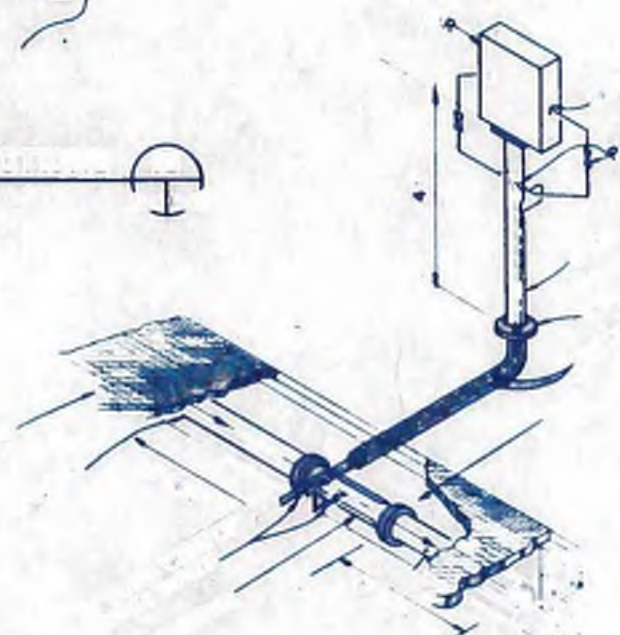
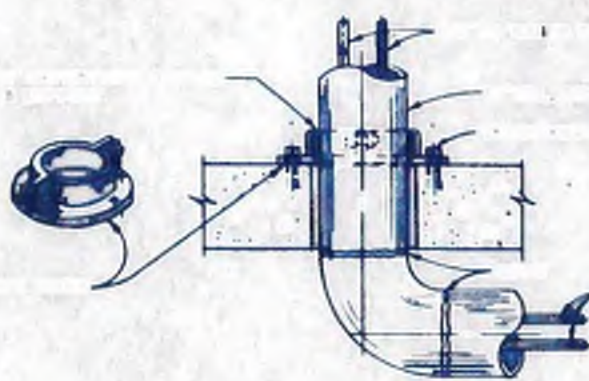
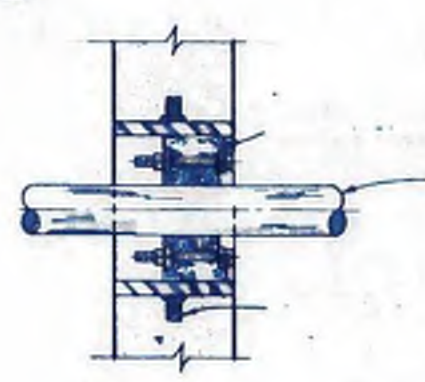
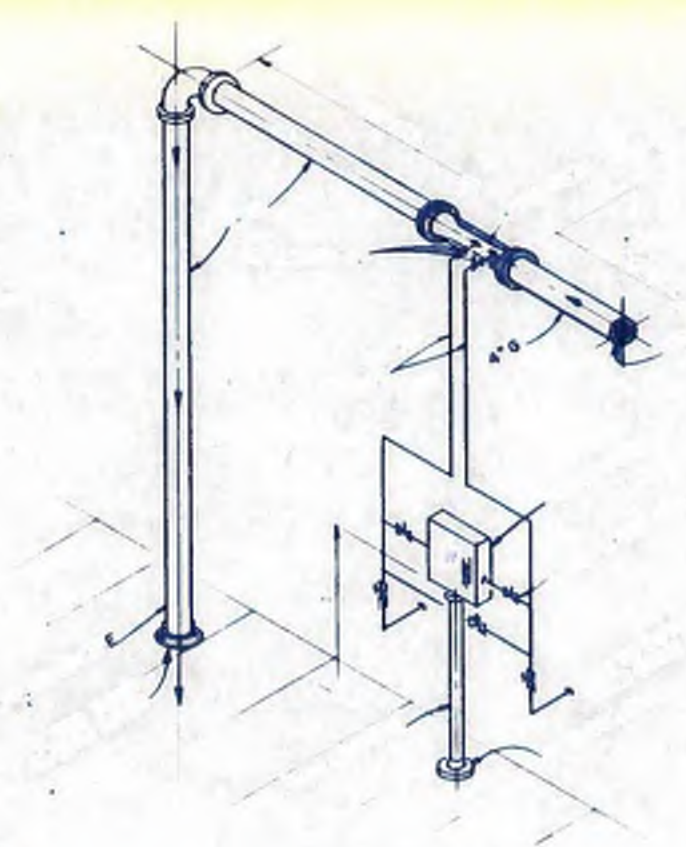
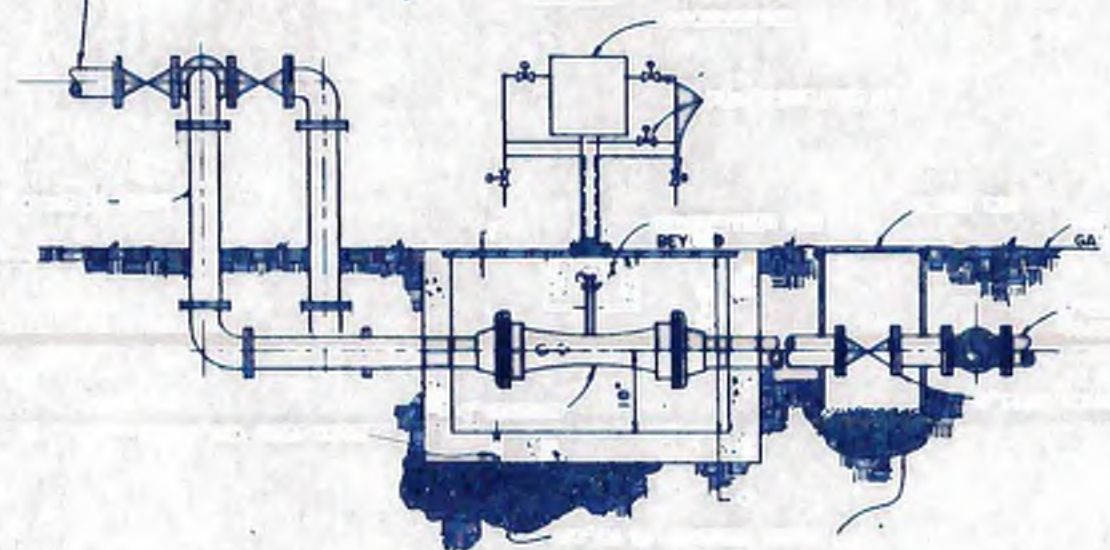
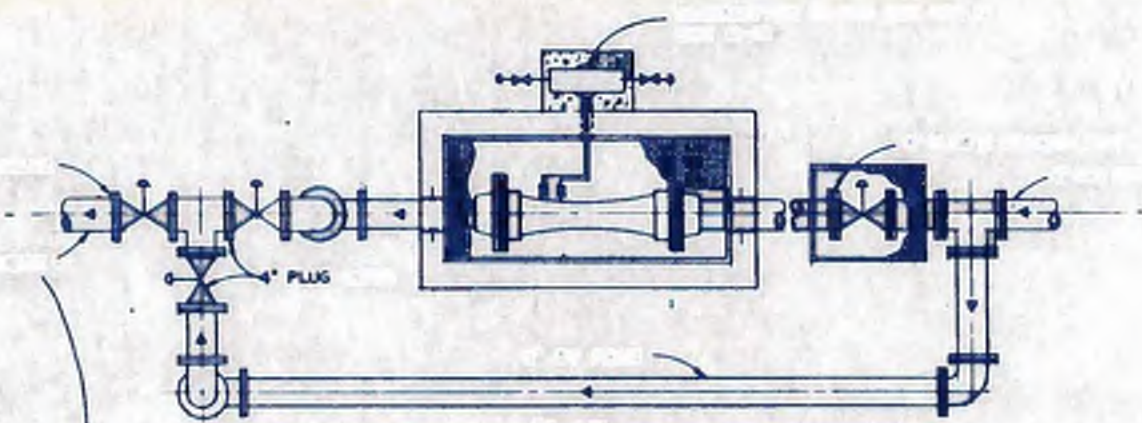
DEPARTMENT ENVIRONMENT & STREETS

NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10
A		GENERAL		ADD. NO. 2					
REVISION									
R W R									
NO.									
DATE									
4-M-14									
4									

1/4" = 1'-0"

10.19

4-M-14



20
14-5

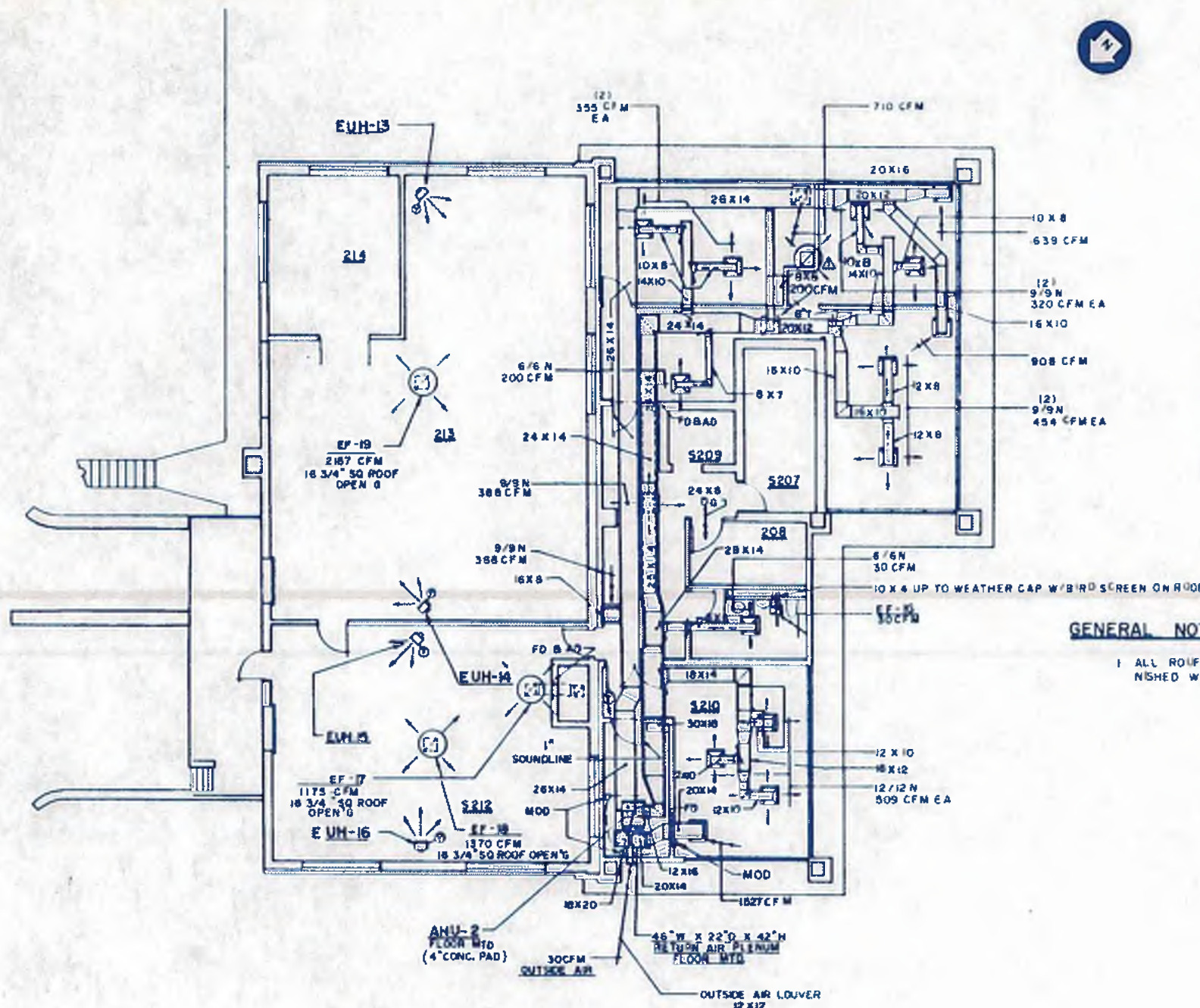
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DESCRIPTION

TITLE NUMBER

DRW	WRS	DATE	MAY 10, 1952	NO
1/4" = 1'-0"				4-M-5



UNIT HEATER SCHEDULE					
EQUIP NO	SPACE SERVED	ELEC DATA	CAPACITY (BTUH)	KW	DESIGN BASIS
EUM-13	MACHINE SHOP	480-30	17,100	5	EMERSON (THRU DUCT)
EUM-14	MACHINE SHOP	480-30	17,100	5	"
EUM-15	STORAGE	480-30	17,100	5	"
EUM-16	STORAGE	480-30	17,100	5	"
EUM-17	CHLORINE BLDG	240-10	8,000	2.6	LUH-02-16
EUM-19	WT SLUDGE PUMP HSE	480-30	80,000	25	TRANE UHEC-25300AO
EUM-20	FINAL SL PUMP HSE	480-30	80,000	25	"
EUM-21	CHLORINE BLDG	480-30	35,000	10	TRANE UHEC-10300AO
EUM-22	CHLORINE BLDG	480-30	11,000	3.3	TRANE UHEC-03300AO
EUM-23	CHLORINE BLDG	480-30	11,000	3.3	"
EUM-24	CHLORINE BLDG	480-30	11,000	3.3	"

GENERAL NOTES:

1 ALL ROOF AND WALL MOUNTED EXHAUST FANS SHALL BE FURNISHED WITH BUILT IN DISCONNECT SWITCHES

SECOND FLOOR PLAN - HVAC
SCALE 1/8" = 1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
SECOND FLOOR HVAC PLAN

NO.	DATE	BY	DESCRIPTION	ADD No.
			DUCT ADDED	
			REVISION	

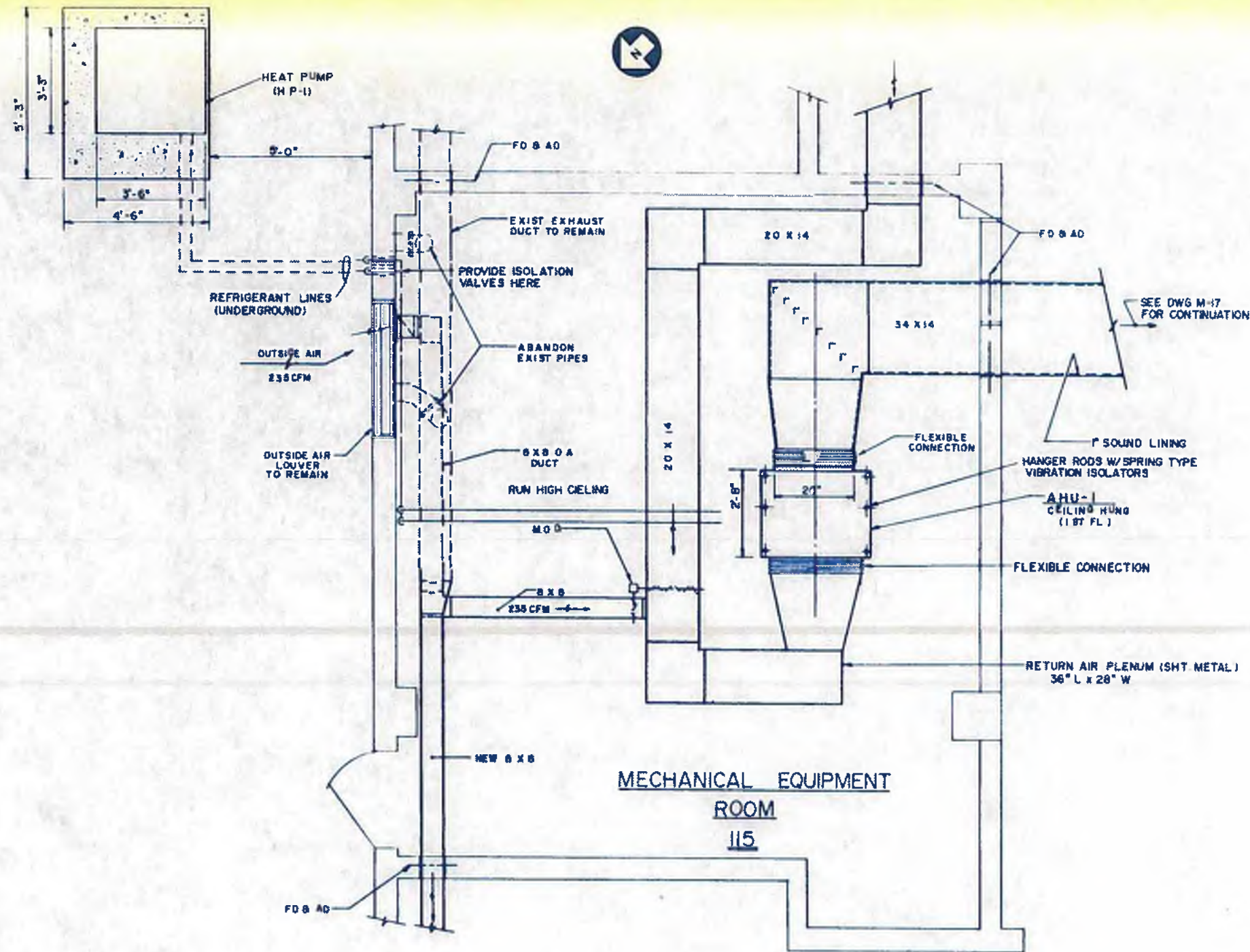
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: DISTRICT: COUNTY: SHEET NO. **118**

DATE: MAY 10, 1982 DRAWING NO. 4-M-18

DRG: EJM APPROVED
DWG: EJM
CHK: MMB SCALE 1/8" = 1'-0" DATE MAY 10, 1982



- NOTES:**
1. CONTRACTOR IS TO REMOVE ALL EXISTING BOILER SYSTEM COMPONENTS AND DISPOSE OF PER DIRECTIONS FROM CITY OF ATLANTA PROJECT MANAGER
 2. ALL RADIATORS, CONVECTORS, AND UNIT HEATERS IN ADMINISTRATION BUILDING ARE TO BE REMOVED. EXISTING UNEXPOSED PIPING IS TO BE CUT FLUSH WITH WALLS OR OTHER BARRIER AND PROPERLY CAPPED OR REMOVED
 3. FINAL FINISH OF EXISTING PENETRATIONS SHALL MATCH NEW WALLS, FLOORS AND CEILINGS
 4. LOCATE SLEEVES AT 2'-0" AND 2'-6" ABOVE FLOOR FOR RUNNING OF REFRIGEANT AND CONDENSATE LINES

MECHANICAL EQUIPMENT ROOM PLAN
SCALE: 1/2" = 1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
MECHANICAL ROOM PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
			SECTIONS	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NO.
DATE	SCALE	DRAWING NO.
MAY 10, 1982	1/2" = 1'-0"	4-M-19

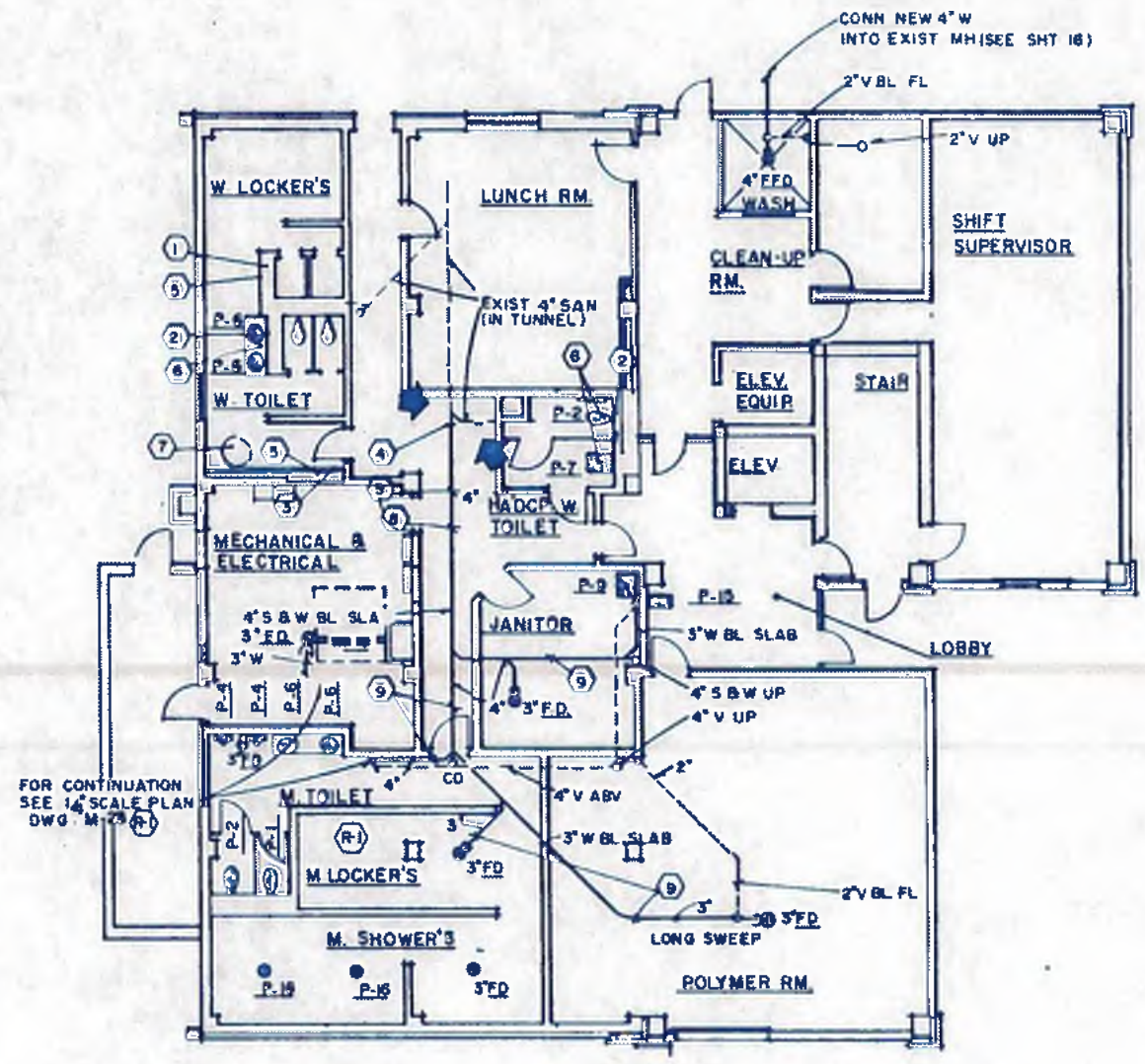
119

DESIGN: E.J.H. APPROVED: _____
DRAWN: E.J.H.
CHECKED: M.M.B. SCALE: 1/2" = 1'-0" DATE: MAY 10, 1982



REFERENCE NOTES

- 1 WASTE AND DOMESTIC WATER PIPING SHALL BE CAPPED AND OR PLUGGED BEHIND FINISHED WALL
- 2 RECONNECT EXISTING WASTE AND DOMESTIC WATER PIPING TO NEW FIXTURES
- 3 SOIL AND OR WASTE PIPING TO BE CAPPED OR PLUGGED BELOW FINISHED FLOOR.
- 4 CONNECT NEW PIPING INTO EXISTING AT THIS POINT
- 5 REMOVE EXISTING FIXTURES FROM THIS LOCATION
- 6 REMOVE EXISTING FIXTURE AND REPLACE WITH NEW AS SPECIFIED.
- 7 EXISTING WATER HEATER TO BE REMOVED & WATER PIPING CAPPED ABOVE CLG.
- 8 RUN S & W PIPING IN TUNNEL BELOW FLOOR SLAB
- 9 CUT AND PATCH EXISTING CONCRETE FLOOR TO INSTALL NEW PIPING.



PLUMBING LEGEND	
SYMBOLS	DESCRIPTION
	SOIL & OR WASTE PIPING , S & W
	VENT PIPING , V
	COLD WATER PIPING , C.W.
	HOT WATER PIPING , H.W.
	DIGESTER GAS PIPING
	GATE VALVE IN LINE , G.V.
	CHECK VALVE IN LINE , C.V.
	GAS COCK
	UNION
	HOSE BIBB , H.B.
	CLEANOUT AT CHANGE OF DIRECTION , CO
	CLEANOUT IN WALL , CO
V.T.R.	VENT THRU ROOF
F.D.	FLOOR DRAIN
BL, FL	BELOW , FLOOR
W	WASTE
ABV.	ABOVE
NF	NON-FREEZE
WH	WALL HYDRANT
CLG	CEILING
W.HTR.	WATER HEATER
	CONTRACTOR SHALL TAKE SPECIAL CARE IN COORDINATING HIS WORK WITH OTHER TRADES AT THIS POINT

PLUMBING FIXTURE SCHEDULE	
ABBREVIATION	DESCRIPTION
P-1	WATER CLOSET 15" HIGH FL. MT'D
P-2	WATER CLOSET 18" HIGH FL. MT'D
P-3	WATER CLOSET 18" HIGH WALL MT'D
P-4	URINAL, WALL MT'D
P-6	LAVATORY 31" HIGH COUNTER MT'D
P-7	LAVATORY 34" HIGH WALL MT'D
P-9	SERVICE SINK (STD.)
P-15	ELECT WATER COOLER 28" HW MT'D
P-16	SHOWER GANG

FIRST FLOOR PLUMBING PLAN
SCALE 1/8" = 1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
FIRST FLOOR PLUMBING PLAN

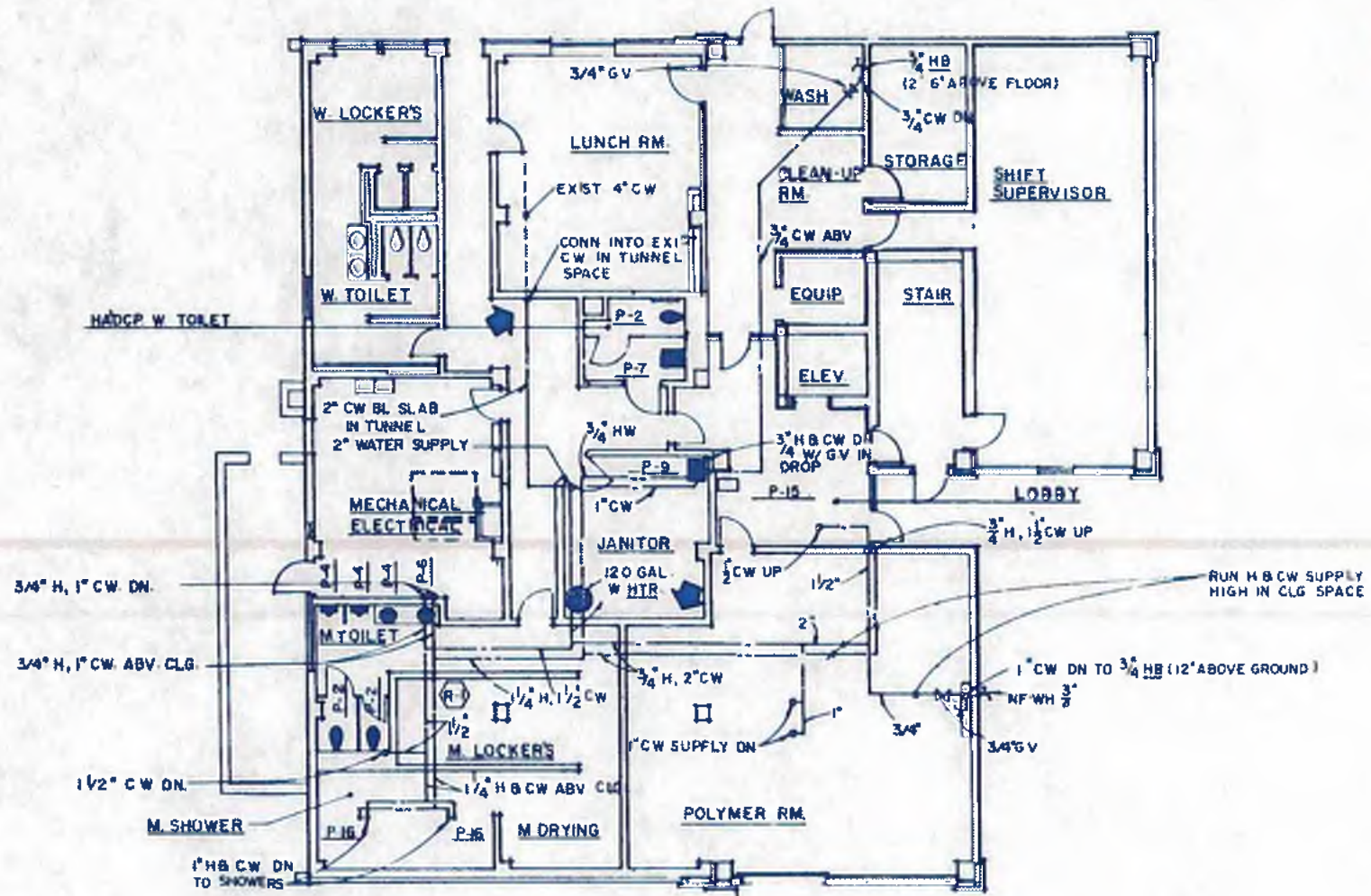
DRWN: VJ
CHKD: MMB
SCALE: 1/8" = 1'-0"
DATE: MAY 10, 1992

NO.	DATE	BY	DESCRIPTION	PLACED
REVISIONS				

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

COUNTY: [] SHEET NO: 120



DOMESTIC WATER-FIRST FLOOR PLUMBING PLAN

SCALE 1/8" = 1'-0"



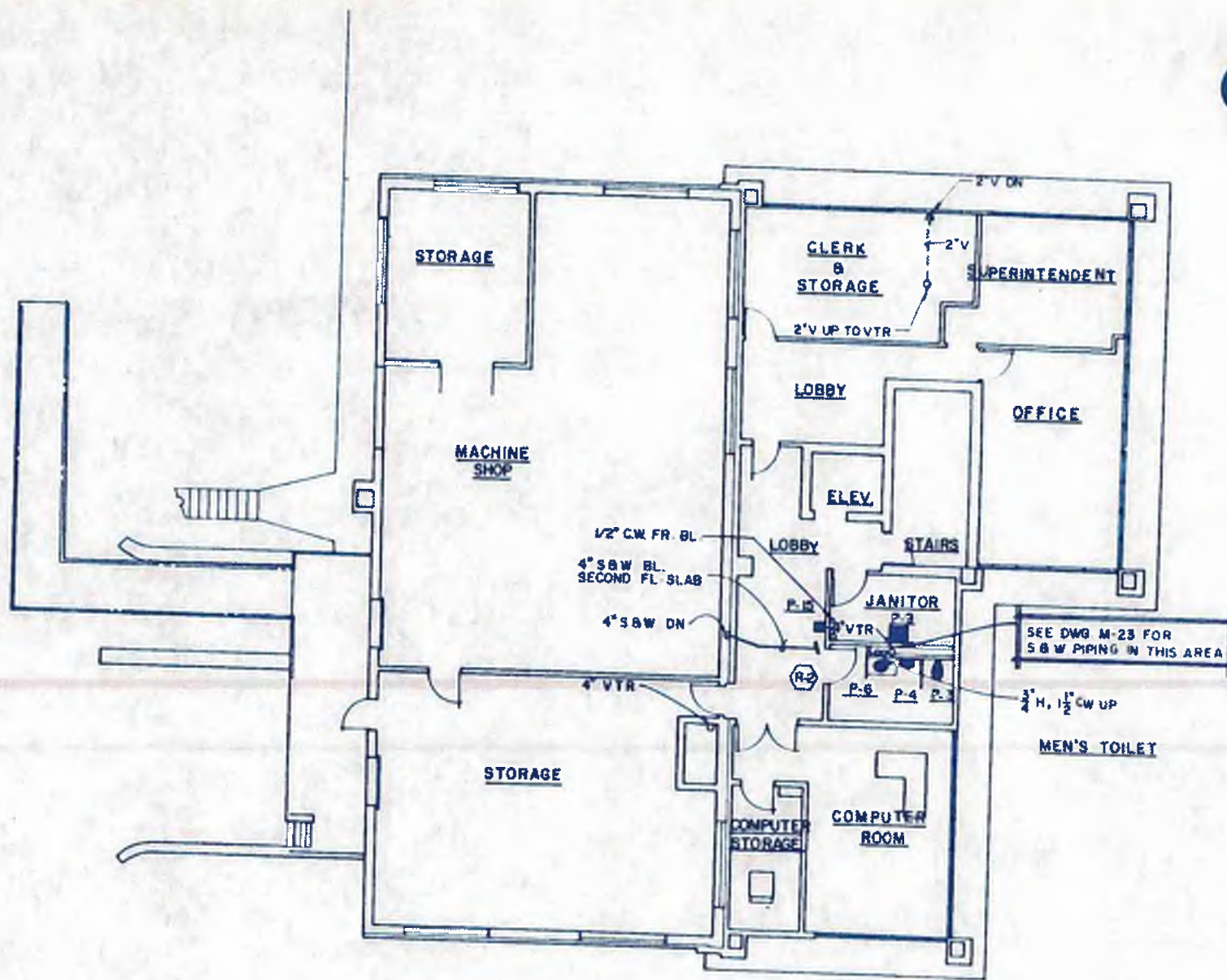
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 atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
 ADMINISTRATION BUILDING
 FIRST FLOOR PLUMBING PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				

		CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREET BUREAU OF POLLUTION CONTROL	
THREE RIVERS WATER QUALITY MANAGEMENT PLANS			
LAND USE	DISTRICT	COUNTY	SHEET NO.
APPROVED			121
DRAWN BY	SCALE	DATE	DRAWING NO.
MMR	AS SHOWN	MAY 10, 1982	4-M-21

DATE: MAY 10, 1982
 SCALE: AS SHOWN
 DRAWING NO: 4-M-21



SECOND FLOOR PLUMBING PLAN
SCALE: 1/8" = 1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
SECOND FLOOR PLUMBING PLAN

DESIGN: VJ APPROVED
DRAWN: RJD
CHECKED: MMB

SCALE: AS SHOWN DATE: MAY 10, 1982

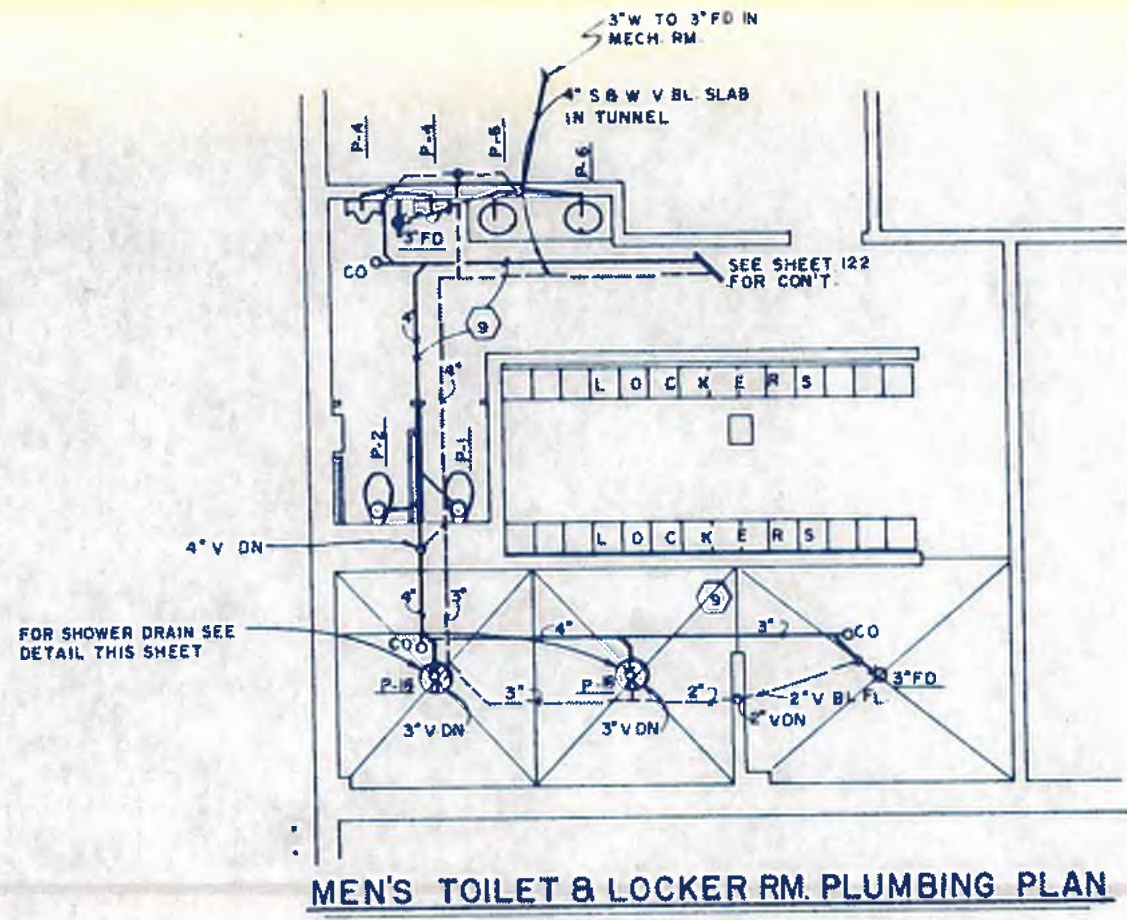
NO.	DATE	BY	DESCRIPTION	PLACES
			REVISIONS	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

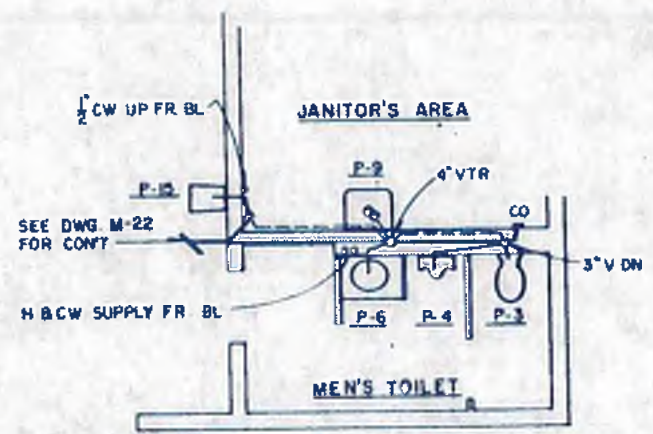
LAND LOT: _____ DISTRICT: _____ COUNTY: _____

DRAWING NO: 4-M-22 SHEET NO: 122



MEN'S TOILET & LOCKER RM. PLUMBING PLAN

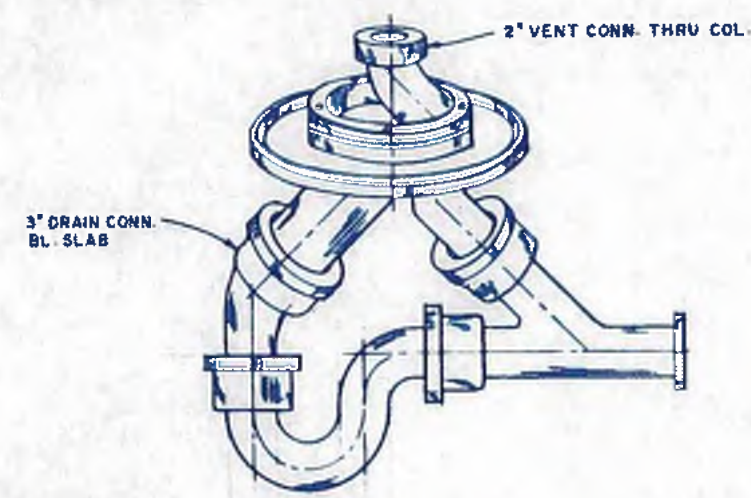
SCALE 1/4" = 1'-0"



MEN'S TOILET & JANITOR'S RM. PLUMBING PLAN

SCALE 1/4" = 1'-0"

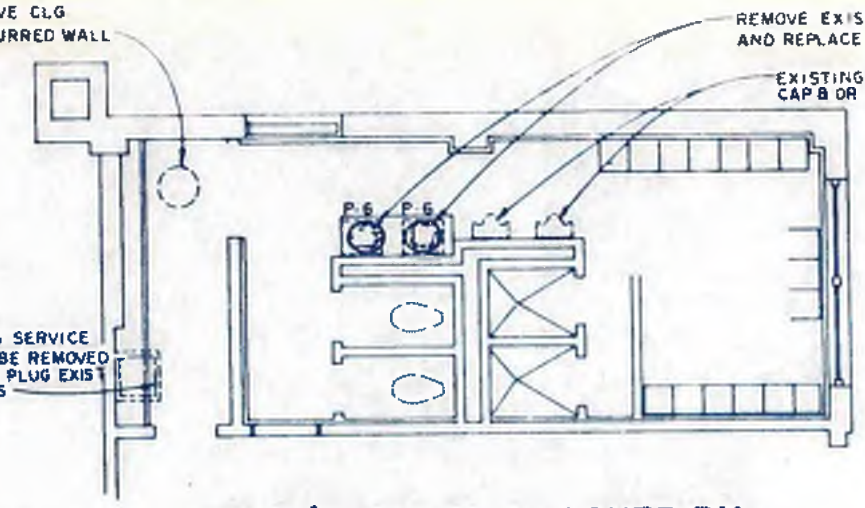
NOTE: H & CW SUPPLIES FR ABV.



DETAIL - COLUMN SHOWER WASTE & VENT CONN.

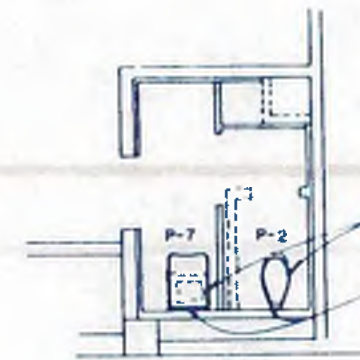
N.T.S.

EXISTING WATER HTR TO BE REMOVE AND CONNECTING PIPE CAPPED ABOVE CLG OR BEHIND NEW FURRED WALL



WOMEN'S TOILET & LOCKER RM. PLUMBING PLAN

SCALE 1/4" = 1'-0"



HANDICAPPED WOMEN'S TOILET PLAN

SCALE 1/4" = 1'-0"



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atlanta, georgia

INTRINCHMENT CREEK PLANT MODIFICATIONS
ADMINISTRATION BUILDING
PLUMBING PART PLAN

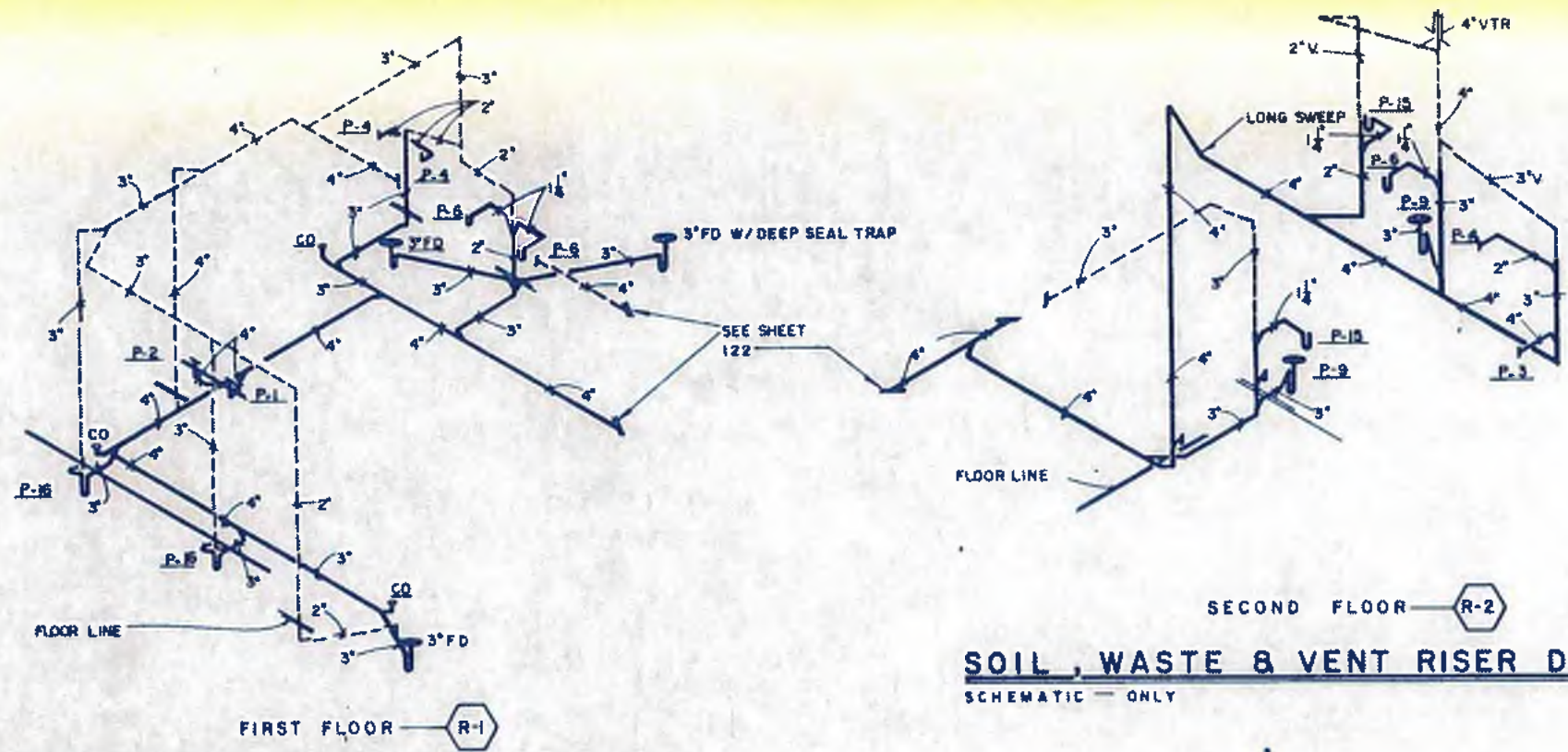


CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

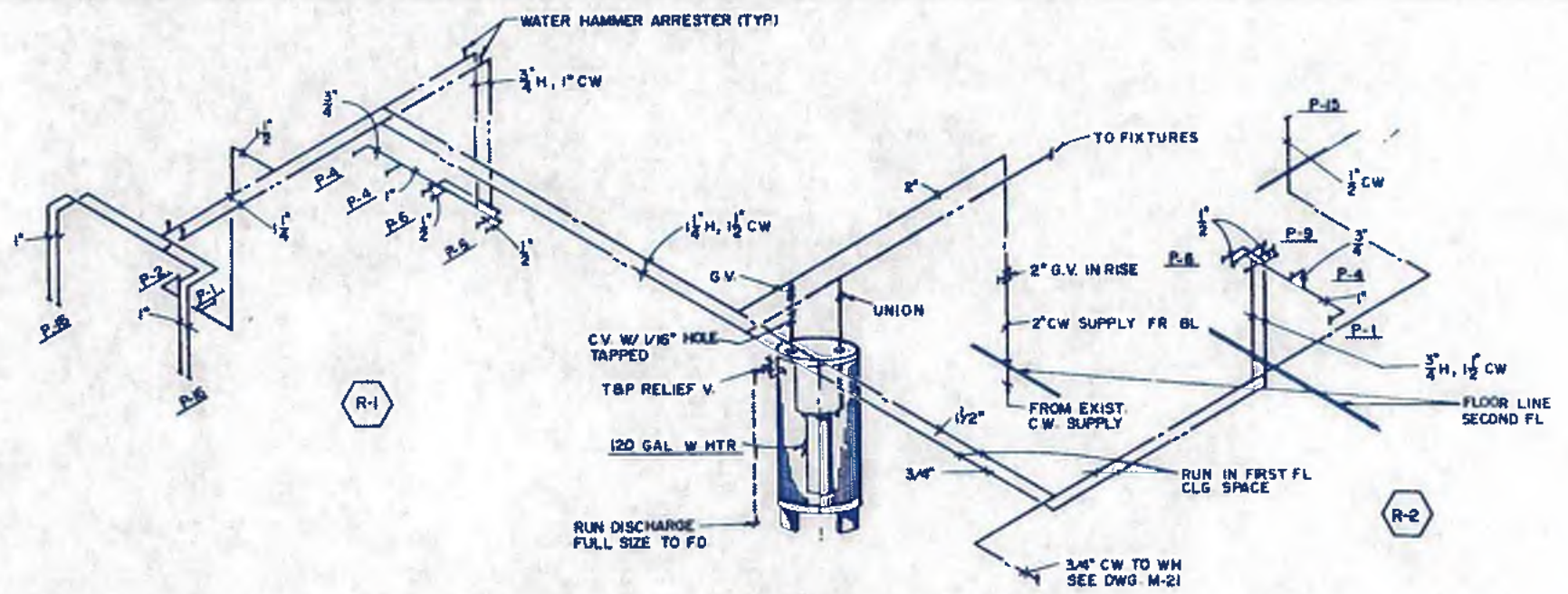
DESIGN: V.J. APPROVED
CHECKED: MMB
DATE: MAY 10, 1982

NO. DATE BY DESCRIPTION PLACES
APPROVED: _____ DISTRICT: _____ COUNTY: _____ SHEET NO.: 123
DRAWING NO. 4-M-23



SECOND FLOOR — R-2
SOIL, WASTE & VENT RISER DIAGRAM
 SCHEMATIC — ONLY

FIRST FLOOR — R-1
SOIL, WASTE & VENT RISER DIAGRAM
 SCHEMATIC — ONLY



HOT & COLD WATER RISER DIAGRAM
 SCHEMATIC — ONLY

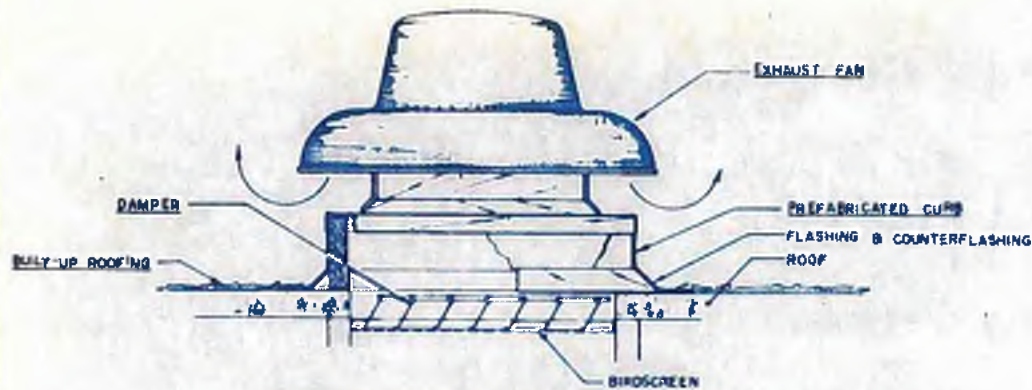


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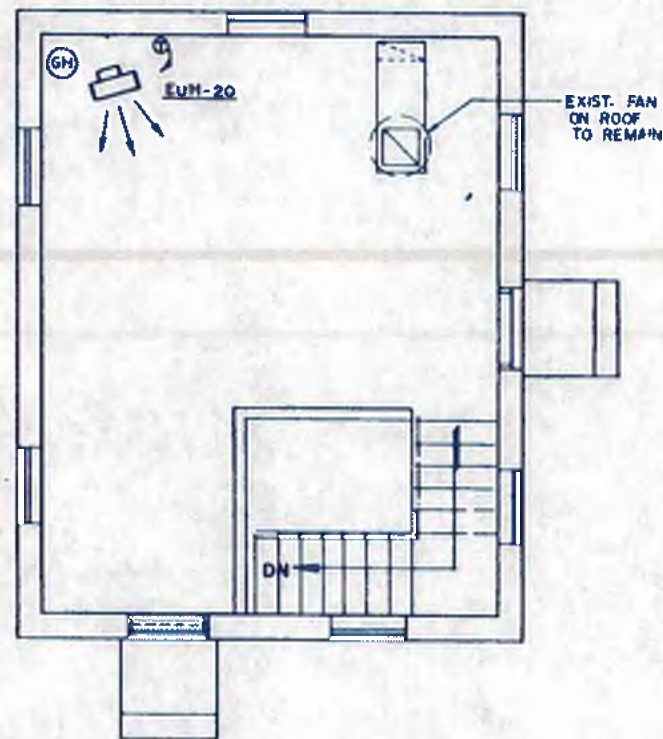
INTRENCHMENT CREEK PLANT MODIFICATIONS
 ADMINISTRATION BUILDING
 PLUMBING RISER DIAGRAM

DATE: V.J. APPROVED: V.J.
 DATE: MMR SCALE: NOT TO SCALE DATE: MAY 10, 1982

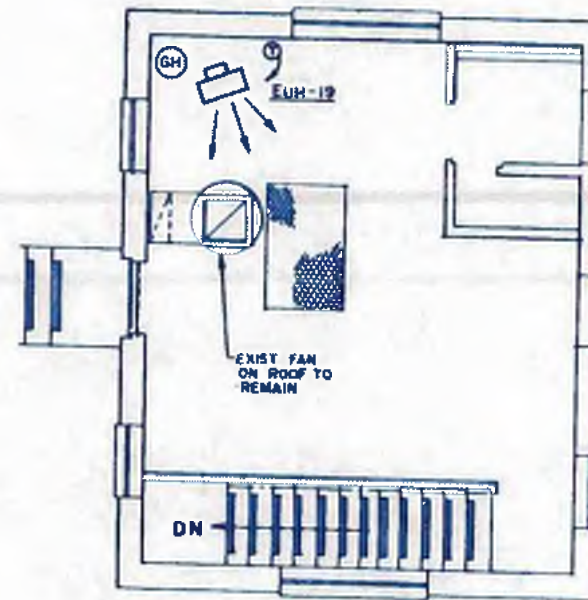
NO.	DATE	BY	DESCRIPTION	PLACED
REVISIONS				
CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND LIST	DISTRICT	COUNTY	SHEET NO.	
APPROVED:	1		124	
DRAWING NO.	4-M-24			



EXHAUST FAN DETAIL (ROOF)
SCALE N.T.S.



FINAL SLUDGE PUMP HOUSE HEATING PLAN
SCALE 1/4" = 1'-0"



INTERMEDIATE SLUDGE PUMP HOUSE HEATING PLAN
SCALE 1/4" = 1'-0"

NOTES:

1. REMOVE EXISTING GAS FIRED UNIT HEATERS AND REPLACE WITH ELECTRIC UNITS INSTALLED AT SAME APPROXIMATE LOCATION.
2. REMOVE ALL GAS FLUMS AND REPAIR ROOF OPENINGS TO CONDITIONS OF BALANCE OF ROOF.
3. EXISTING UNIT HEATERS TO BE DISCARDED VIA INSTRUCTIONS FROM CITY OF ATLANTA PROJECT MANAGER.
4. (GH) = LOCATION OF EXISTING GAS FIRED HEATERS.
5. ABANDON ALL EXISTING GAS PIPING OUTSIDE OF BUILDING AND 6" BELOW EXISTING GRADE WITH CAPS OF SAME PIPE SIZE.



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INTRICHMENT CREEK PLANT MODIFICATIONS
SLUDGE PUMP HOUSE
HVAC PLANS

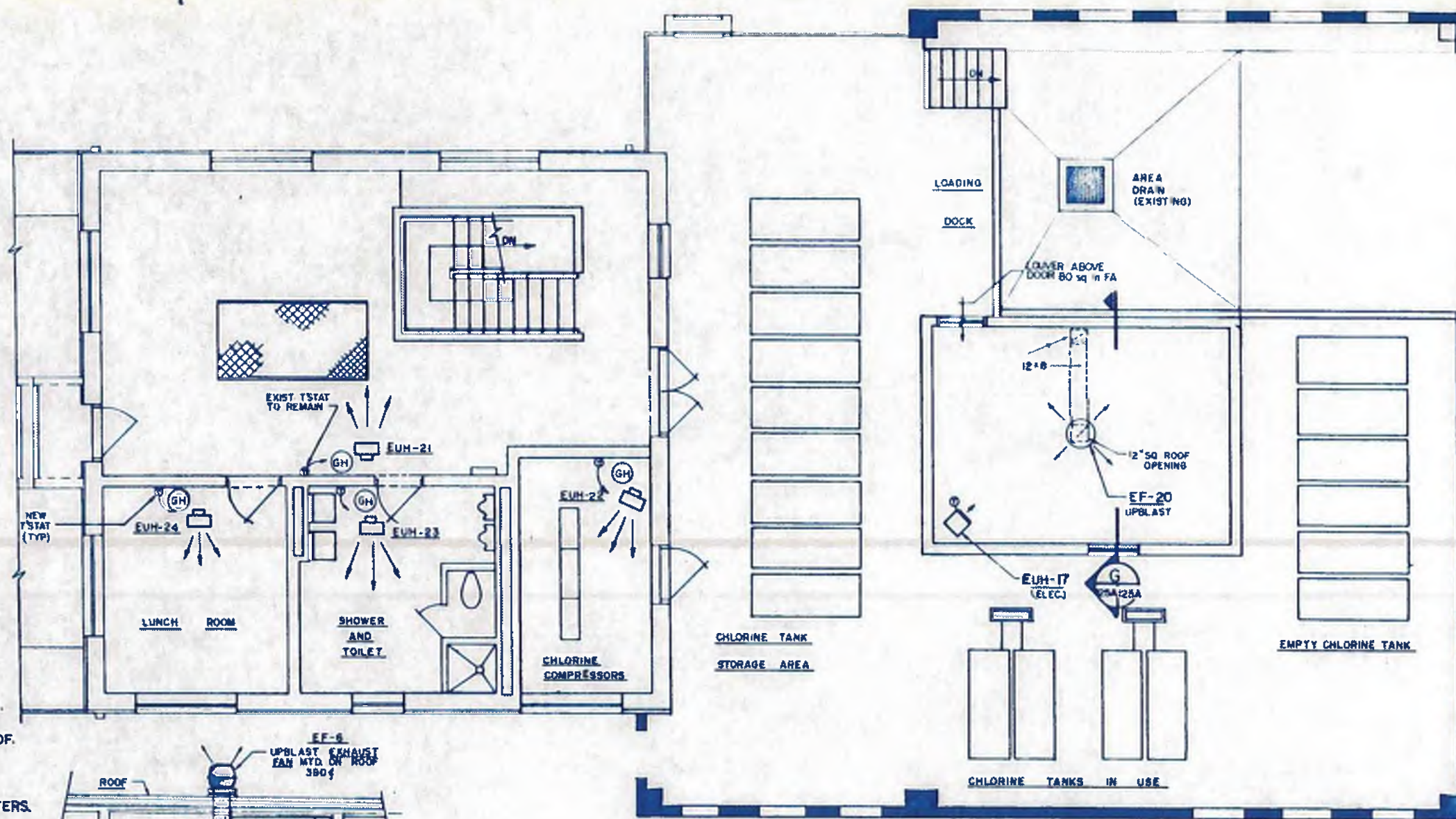
NO.	DATE	BY	DESCRIPTION	PLACE
			REVISION	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

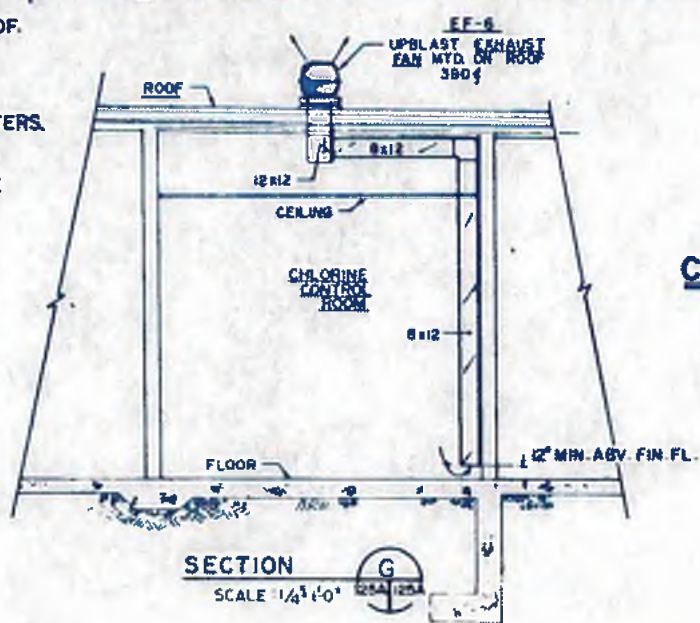
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		
DATE	SCALE	DRAWING NO.
MAY 10, 1982	AS SHOWN	4-M-25

125



- NOTES:**
1. REMOVE EXISTING GAS FIRED UNIT HEATERS AND REPLACE WITH ELECTRIC UNITS INSTALLED AT SAME APPROXIMATE LOCATION.
 2. REMOVE ALL GAS FLUES AND REPAIR ROOF OPENING TO CONDITION OF BALANCE OF ROOF.
 3. EXISTING UNIT HEATERS TO BE DISCARDED VIA INSTRUCTIONS FROM CITY OF ATLANTA PROJECT MANAGER.
 4. (GH) = LOCATION OF EXISTING GAS FIRED HEATERS.
 5. ABANDON ALL EXISTING GAS PIPING OUTSIDE OF BUILDING AND 6" BELOW EXISTING GRADE WITH CAP OF SAME PIPE SIZE. VARIANCES SHALL BE CLEARED WITH THE CITY OF ATLANTA PROJECT MANAGER.



**CHLORINE BUILDING PLAN
HEATING PLAN**
SCALE: 1/4" = 1'-0"



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engineers - planners
atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
CHLORINE BUILDING
HVAC PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				
 CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
DESIGN	EJH	APPROVED		
DRAWN	EJH			
CHECKED	MMB			
SCALE: AS SHOWN		DATE: MAY 10, 1992		DRAWING NO: 4-M-26
				SHEET NO: 126

ELECTRICAL LEGEND

- COMBINATION FVNR
- MOTOR STARTER
- 3Ø ELECTRIC MOTOR
NO. INDICATES H.P. RATING
- PUSHBUTTON STATION
- STOP-START STATION
- SAFE START-RUN STATION
- INDICATING LIGHT, LETTER
DENOTES COLOR.
- INDICATES NEMA SIZE i STARTER
- COMBINATION FVNR MAGNETIC
STARTER WITH NON FUSIBLE
DISCONNECT
- HEATER
- CIRCUIT BREAKER
- CONDUIT CONCEALED
CEILING OR WALL
- CONDUIT CONCEALED
IN FLOOR OR WALL
- CONDUIT EXPOSED
- FLEXIBLE CONDUIT
- DUCTBANK OR FEEDER
DESIGNATED BY NUMBER CUM
TO LISTING IN CABLE & CONDUIT SCHEDULE
- JUNCTION BOX
- PULLBOX
- DUPLEX RECEPTACLE
- WEATHERPROOF RECEPTACLE
- GROUND FAULT
INTERRUPTER RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- SINGLE POLE SWITCH
- DOUBLE POLE SWITCH
- THREE WAY SWITCH
- FOUR WAY SWITCH
- LIGHTING PANEL
- POWER PANEL
- HOME RUN TO PANEL BOARD
INDICATE CIRCUIT BY ARROW
- MOTOR NUMBER INDICATES H.P. RATING
- POWER TRANSFORMER
- SEPERATLEY MOUNTED
- ISOLATING SWITCH
- PUSH BUTTON
- TELEPHONE OUTLET

INSTRUMENTATION LEGEND

- MOTOR, ACTUATOR OR SWITCH
- INSTRUMENT TYPE (SEE LEGEND)
- MOTOR/PUMP
- HAND OPERATED VALVE
- SOLENOID VALVE
- MOTOR OPERATED VALVE
- LEVEL DETECTION DEVICE
- PUSHBUTTON
- SELECTOR SWITCH
- TIME DELAY PICKUP
- TIME DELAY DROPOUT
- LIMIT SWITCH
- PRESSURE SWITCH
- FLOAT SWITCH
- TEMPERATURE SWITCH
- RELAY COIL
- NORMALLY OPEN CONTACT
- NORMALLY CLOSED CONTACT
- INDICATING LIGHT, LETTER INDICATES COLOR
- WIRING NOT CONNECTED
- WIRING CONNECTED
- SHIELDED CABLE
- SOLENOID VALVE
- SPECIAL DEVICE, AS INDICATED
- FUSE
- POTENTIOMETER
- REMOTE LOCATION
- AUDIBLE DEVICE
- RECTIFIER
- CAPACITOR
- OVERLOAD
- LOCAL-OFF-REMOTE
- MOTOR STARTER
- LOCK OUT STOP
- GROUND

**COMPUTER SYSTEM
INSTRUMENTATION LEGEND**

FIRST LETTER		SUCCEEDING LETTERS		
MEASURED OR INITIATING VARIABLE	MODIFIER	READOUT OR PASSIVE FUNCTION	OUTPUT FUNCTION	MODIFIER
A	Analysis		Alarm	
B	Burner Flame			
C	Conductivity (Electrical)		Control	
D	Density (Mass) or Specific Gravity	Differential		
E	Efficiency (EMF)		Primary Element	
F	Flow Rate	Ratio/Fraction		
G	Galvanic		Alarm	
H	Hand (Manually Initiated)			High
I	Current (Electrical)		Indicate	
J				
K	Time of Time Schedule		Control Station	
L	Level		Light (Pilot)	Low, Intermediate
M	Molality or Molarity			
N				
O			Orifice (Restriction)	
P	Pressure or Vacuum		Pump (Test Connected)	
Q	Quantity or Event	Integrate or Totalize		
R	Radiation		Record or Print	
S	Speed or Frequency	Safety		Switch
T	Temperature			Transmit
U	Multi-variable		Multi-function	Multi-function
V	Viscosity		Valve, Damper or Liner	
W	Weight or Force		Well	
X	Unclassified		Unclassified	Unclassified
Y	User's Choice		Unclassified	Unclassified
Z	Position		Unclassified	Unclassified



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atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS

LEGEND & GENERAL NOTES

DESIGN: GRW APPROVED
DRAWN: CDL
CHECKED: FJR SCALE: NONE DATE: 10 MAY 82

NO. 64-82-272 DATE 2/7/82 BY 272 ADDED SWITCHES

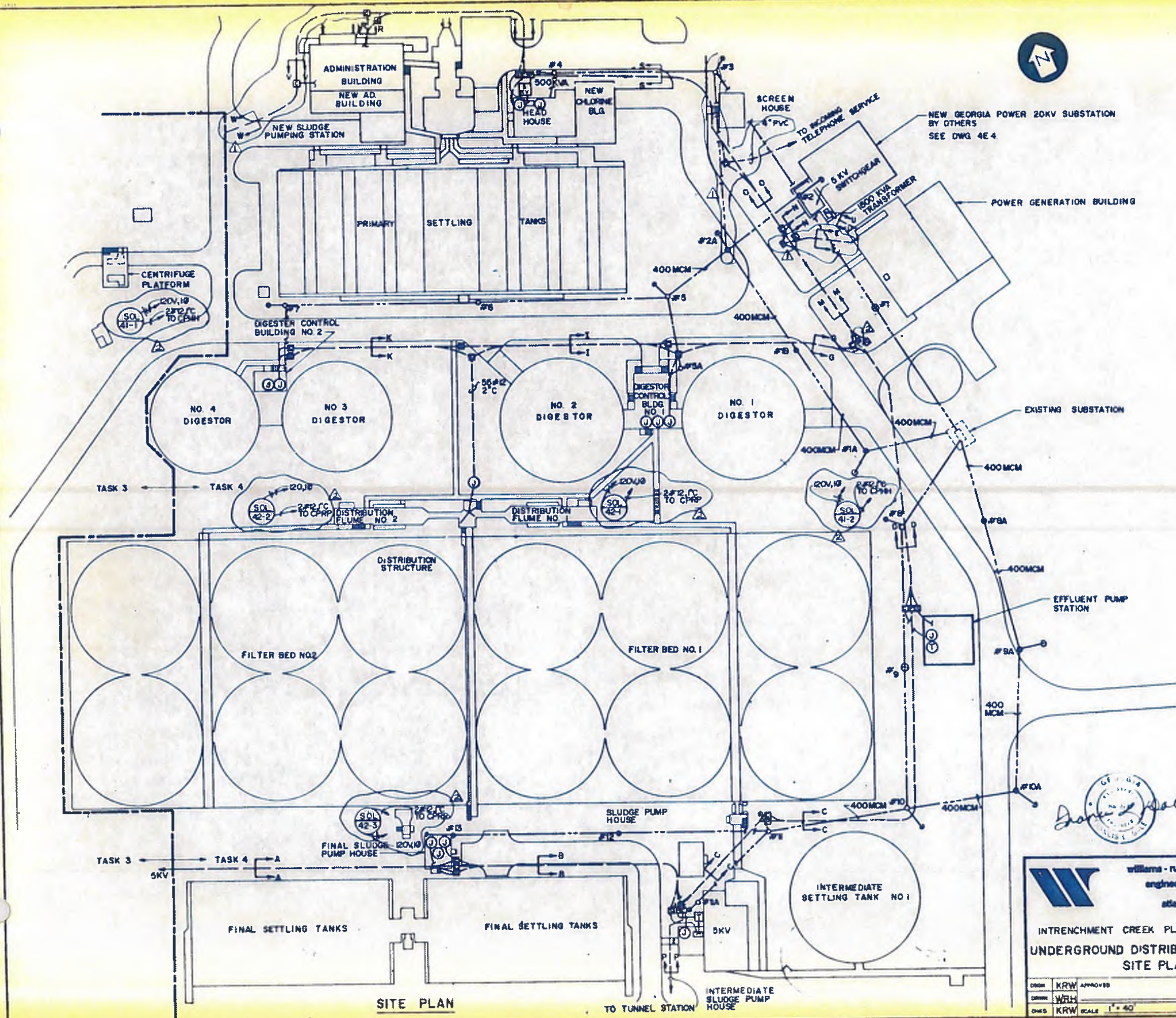
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: DISTRICT: COUNTY:

APPROVED: SHEET NO. 127

DRAWING NO. 4-E-1



- LEGEND**
- NEW UNDERGROUND CABLES AND DUCTS.
 - EXISTING WOOD POLE AND DOWN GUY TO BE REMOVED AT FINAL STAGE.
 - EXISTING POLE TO BE REMOVED AT FINAL STAGE.
 - EXISTING WOOD POLE (AND DOWN GUY WHERE SHOWN) TO BE REMOVED AT INITIAL STAGE.
 - NEW WOOD POLE (AND DOWN GUY WHERE SHOWN) TO BE CONSTRUCTED TEMPORARILY AND REMOVED AT FINAL STAGE.
 - TEMPORARY OVERHEAD LINE. CONDUCTOR SIZE AS SHOWN--BARE STRANDED COPPER.
 - EXISTING OVERHEAD LINE.

- NOTES**
1. FOR CONSTRUCTION SEE DETAILS DWG 4E-28 AND POLE #10 IS TO BE REMOVED AT INITIAL STAGE AFTER TEMPORARY LINE IS COMPLETED.
 2. NORTHERN OVERHEAD FEEDER BETWEEN SUBSTATION AND POLE #2 TO BE REMOVED AT INITIAL STAGE AFTER TEMPORARY LINE IS COMPLETED.
 3. CONTRACTOR TO DEVELOP CONSTRUCTION PROGRAM FOR TEMPORARY LINES SO THAT OUTAGES ARE KEPT TO THE ABSOLUTE MINIMUM.
 4. AFTER UNDERGROUND DISTRIBUTION SYSTEM IS ENERGIZED ALL OVERHEAD LINES ARE TO BE REMOVED.
 5. SOUTHERN OVERHEAD FEEDER BETWEEN SUBSTATION AND POLE #10 IS TO BE REMOVED AT INITIAL STAGE AFTER TEMPORARY LINE IS COMPLETED.

James L. Hall
 GEORGIA PROFESSIONAL ENGINEER
 No. 12345
 State of Georgia

williams-russell & associates
 engineers — planners
 atlanta, georgia

INTRINCHMENT CREEK PLANT MODIFICATIONS
UNDERGROUND DISTRIBUTION SYSTEM
SITE PLAN

DATE: 10, MAY 1982
 SCALE: 1" = 40'

NO.	DATE	BY	DESCRIPTION	REVISIONS	PLACES
2	5/3/82	KRW	DUCTBANK		ADD NO. 4
1	5/1/82	KRW	DUCTBANK		ADD NO. 3

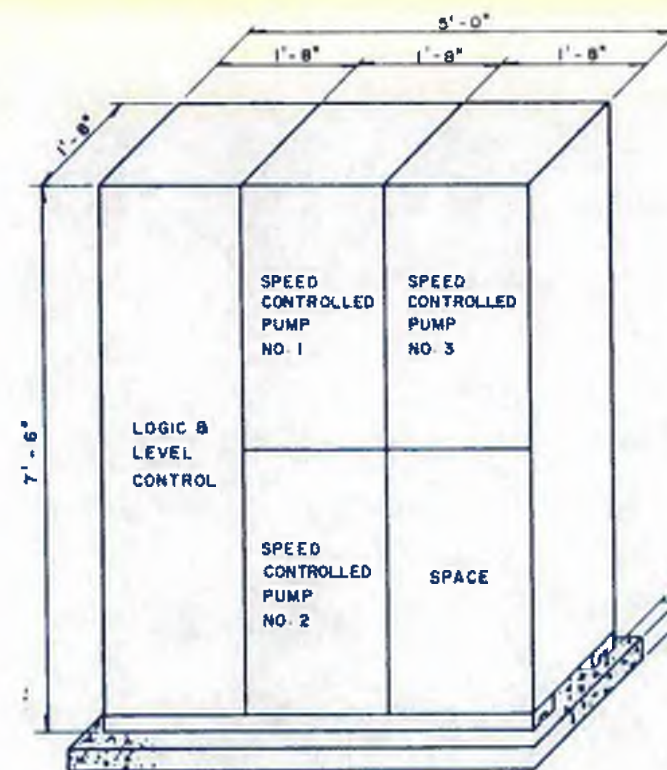
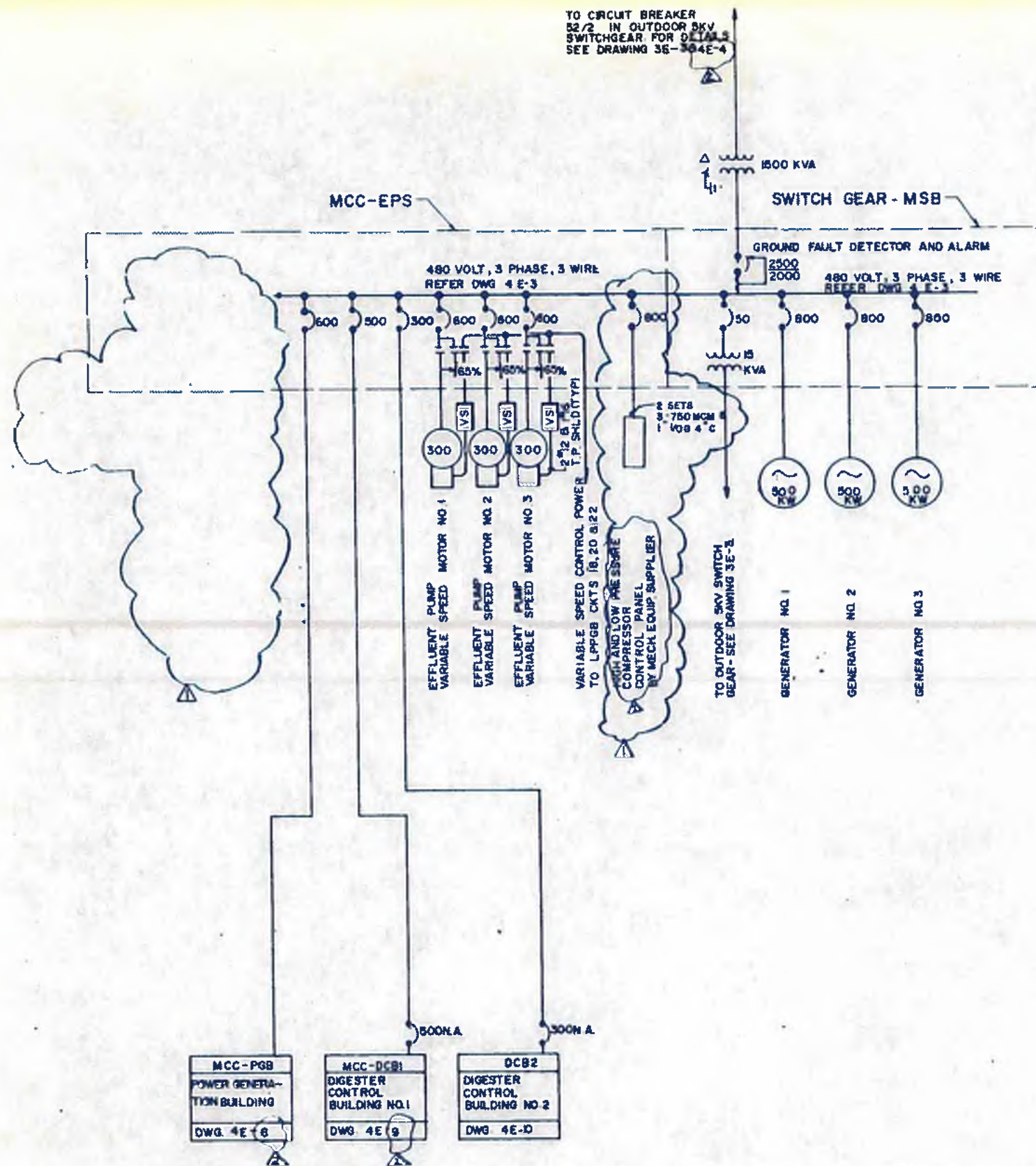
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LIST: _____ DISTRICT: _____ COUNTY: _____

APPROVED: _____ SHEET NO. **128**

DRAWING NO. **4E-2**



VARIABLE SPEED CONTROLLER

LEGEND

- FOR CABLE REFERENCE SEE SCHEDULE OF MAIN CABLES
- (300) ELECTRIC MOTOR-NO GIVES HP RATING
- CT CURRENT TRANSFORMER-
- CB CIRCUIT BREAKER-NO GIVES RATING
- NA INDICATES NON-AUTOMATIC
- TPS TWISTED PAIR SHIELDED
- VS VARIABLE SPEED CONTROLLER

NOTES

- 1 BUSBARS OF SWITCHGEAR IN SWITCHGEAR ROOM, POWER GENERATION BUILDING, TO BE BRACED FOR 65 KA RMS SYM INTERRUPTING RATING
- 2 CIRCUIT BREAKERS ON MAIN SWITCHBOARD, MAIN DISTRIBUTION BOARD AND MOTOR CONTROL CENTER IN SWITCHROOM SHALL HAVE INTERRUPTING RATINGS NOT LESS THAN 65 KA RMS SYM

NO	DATE	BY	DESCRIPTION	ADDENDUM NO
2	5/1/82	FLD	REVISED AS NOTED	ADD NO. 4
1	6/1/82	L.R.	DELETED BAS COMP ADD CONT. PNL	ADDENDUM 3

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engineers - planners
atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION BUILDING
SINGLE LINE DIAGRAM
WASTEWATER TREATMENT PLANT

DESIGNER: KRW APPROVED
DRAWN: FJA
CHECKED: KRW SCALE: N.T.S. DATE: 10 MAY 1982



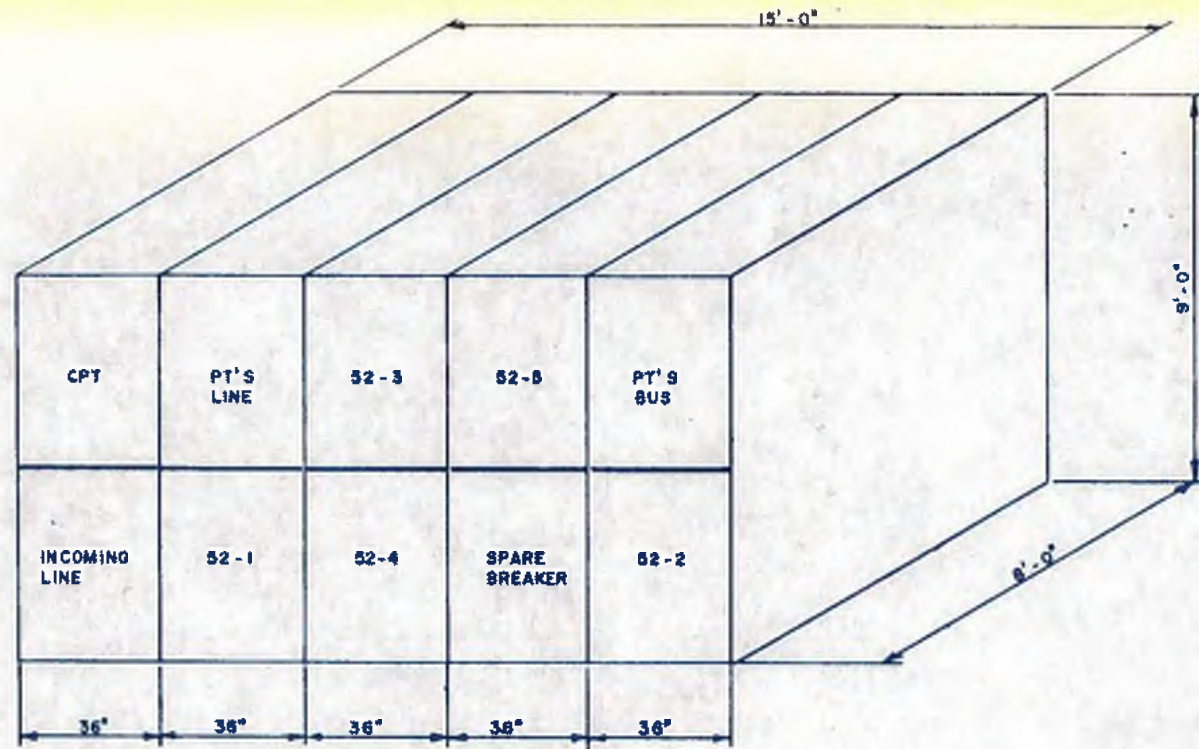
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

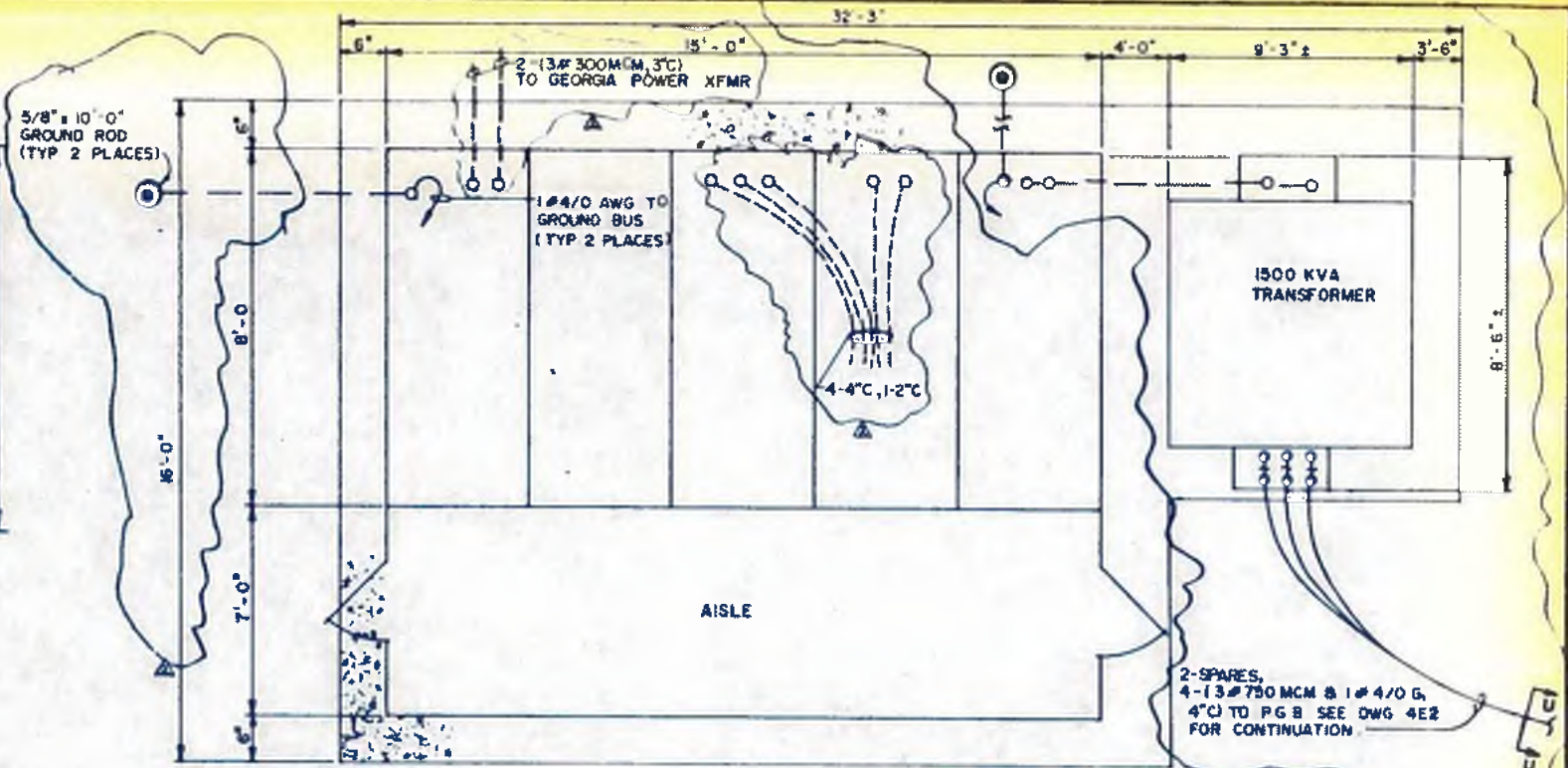
LAND LOT	DISTRICT	COUNTY	SHEET NO.
			129

Handwritten signature





**5KV SWITCHGEAR
FRONT ELEVATION**
SCALE: NONE

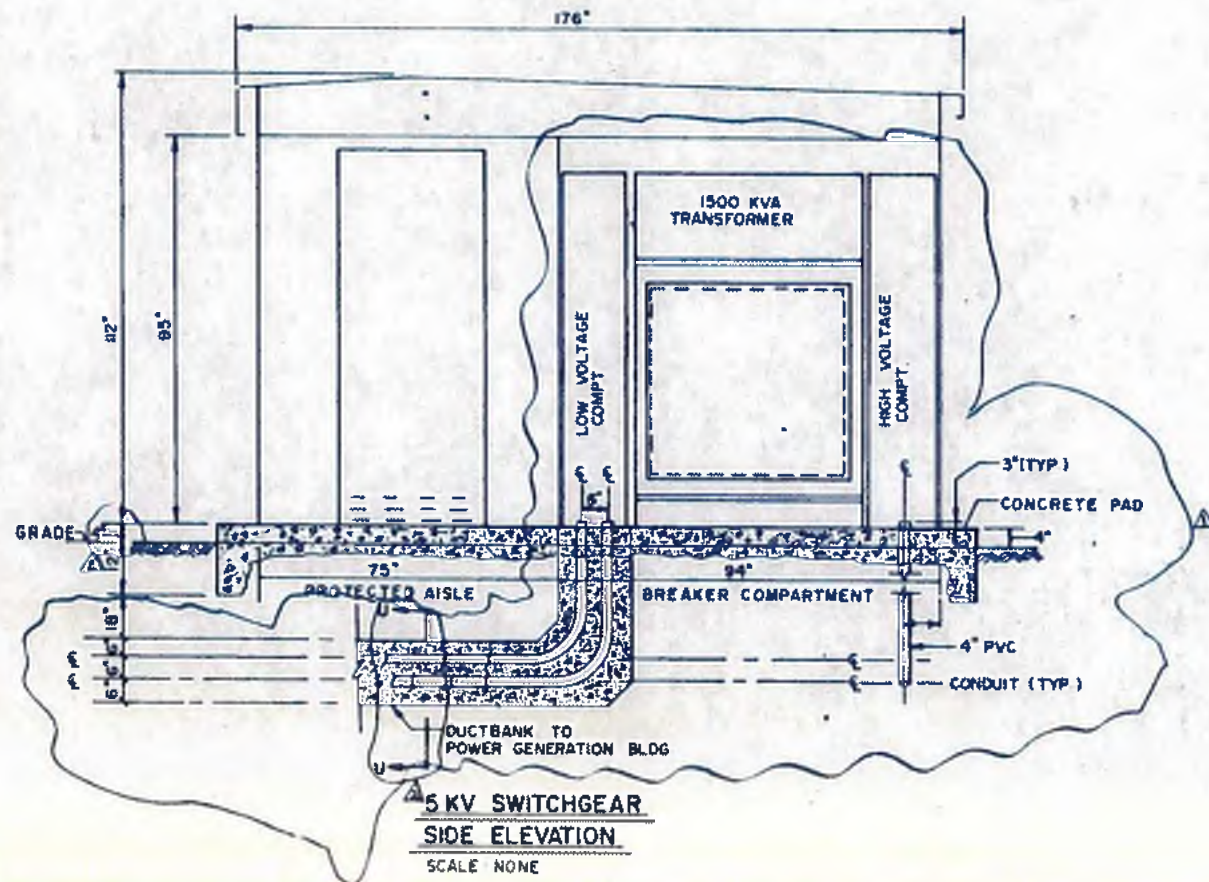


5KV SWITCHGEAR PLAN VIEW
SCALE: NONE



NOTES

- 1) SEE DRAWING 3E3 FOR SINGLE LINE DIAGRAM
- 2) SEE DRAWING 4E2 FOR PLAN B SWITCHGEAR LOCATION
- 3) ALL DIMENSIONS BASED ON PRELIMINARY INFORMATION FIELD TO VERIFY PRIOR TO INSTALLATION
- 4) SEE DRAWING 4E-32 FOR CABLE & CONDUIT SCHEDULE & DUCTBANK DETAILS



**5KV SWITCHGEAR
SIDE ELEVATION**
SCALE: NONE

Francis L. Dale

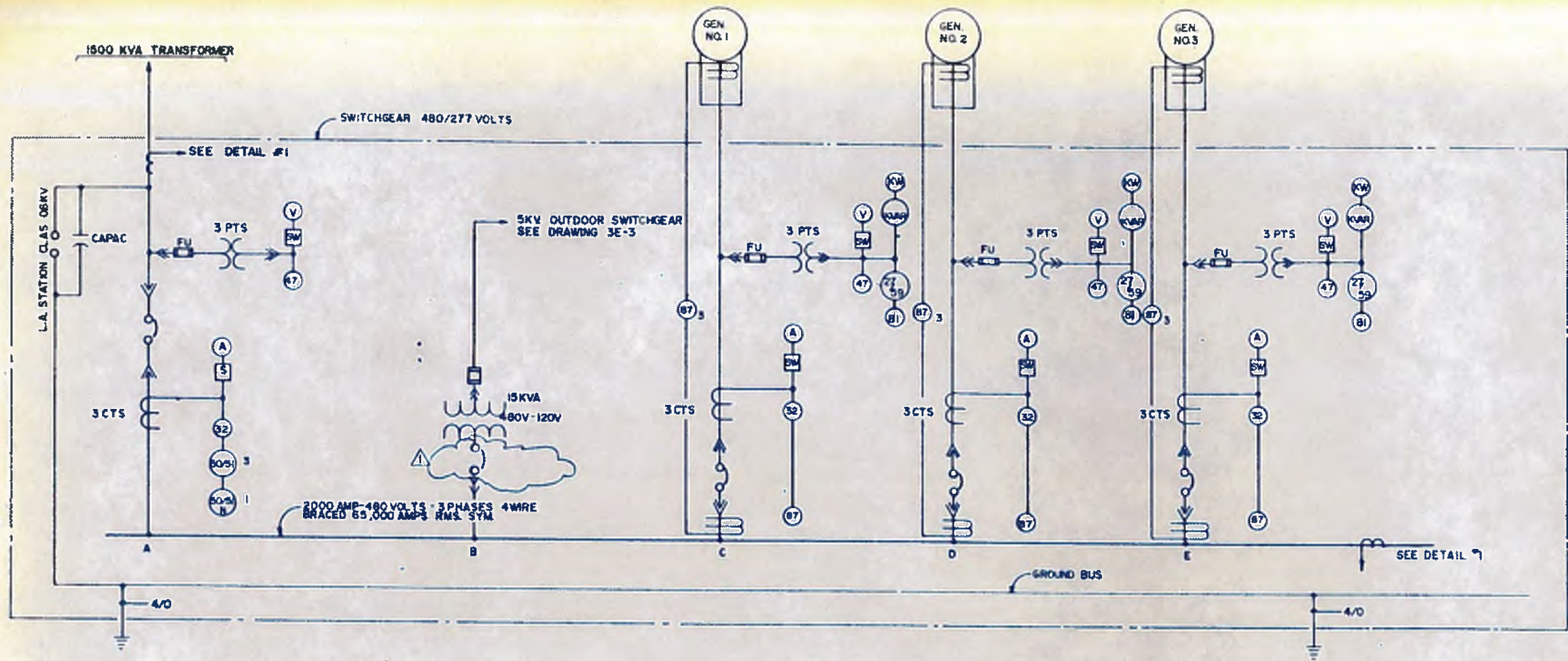
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 engineers - planners
 atlanta, georgia
INTRENCHMENT CREEK PLANT MODIFICATIONS
PLANT 5 KV SWITCHGEAR LAYOUT

NO.	DATE	BY	DESCRIPTION	ADD. NO.
2	6/22/82	CDL	ADD CONDUIT & ADD. PRELIM XFMR INFO	ADDENDUM 3
1	6/22/82	CDL	ADD. PRELIM XFMR INFO	ADDENDUM 3

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL
 THREE RIVERS WATER QUALITY MANAGEMENT PLANS

ORGN: *WJR* APPROVED:
 DRWN: CDL
 CHD: SCALE: AS NOTED DATE: 10, MAY 1982

LAND LOT: DISTRICT: COUNTY:
 APPROVED: SHEET NO: **130**
 DRAWING NO: 4E-4



- LEGEND**
- (V) VOLTMETER WITH PHASE SELECTOR SWITCH
 - (A) AMMETER WITH PHASE SELECTOR SWITCH
 - (KW) KILOWATT METER
 - (KVAR) KVAR METER
 - (L) SYNCHRONIZING LIGHT
 - (DS) SYNCHRONIZING DEVICE
 - (DR) DIRECTIONAL POWER RELAY
 - (PS) PHASE SEQUENCE VOLTAGE RELAY
 - (F) FREQUENCY METER
 - (KWH) KILOWATT-HOUR METER
 - (27/59) UNDER/OVER VOLTAGE RELAY
 - (87) DIFFERENTIAL RELAY
 - (81) UNDER/OVER FREQUENCY RELAY
- ↑ DRAW OUT CIRCUIT BREAKER-100KA RMS AT 480 VOLTS INTERRUPTING CAPACITY

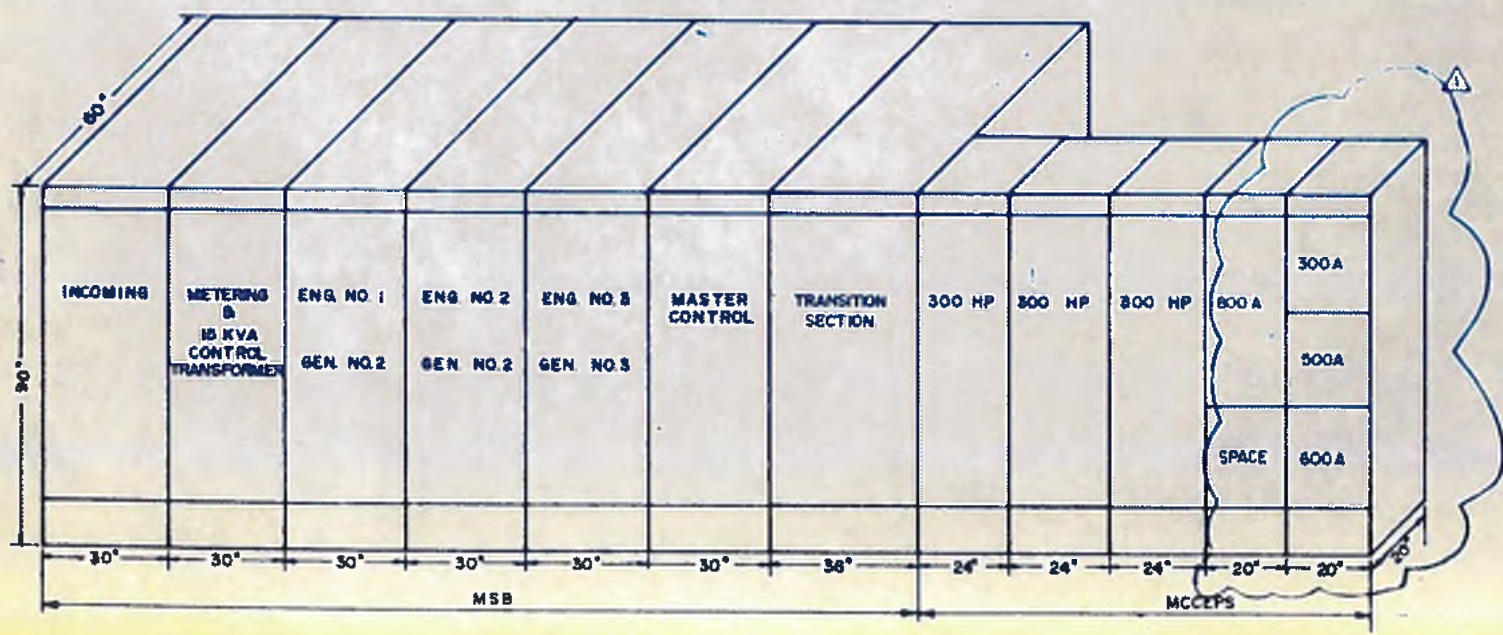
SINGLE LINE DIAGRAM

NOTE

1 CONTRACTOR SHALL SUPPLY, INSTALL AND CONNECT NEW SWITCH BOARD COMPLETE WITH ASSOCIATED CABLES EQUIPMENT SHALL BE LEFT IN SATISFACTORY WORKING ORDER



DETAIL NO. 1



OUTLINE OF SWITCHBOARD



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INTRENCHMENT CREEK PLANT MODIFICATIONS
CONTROL DIAGRAM & ELEVATION
480V MAIN SWITCHBOARD-POWER GENERATION

NO.	DATE	BY	DESCRIPTION	APPENDIX

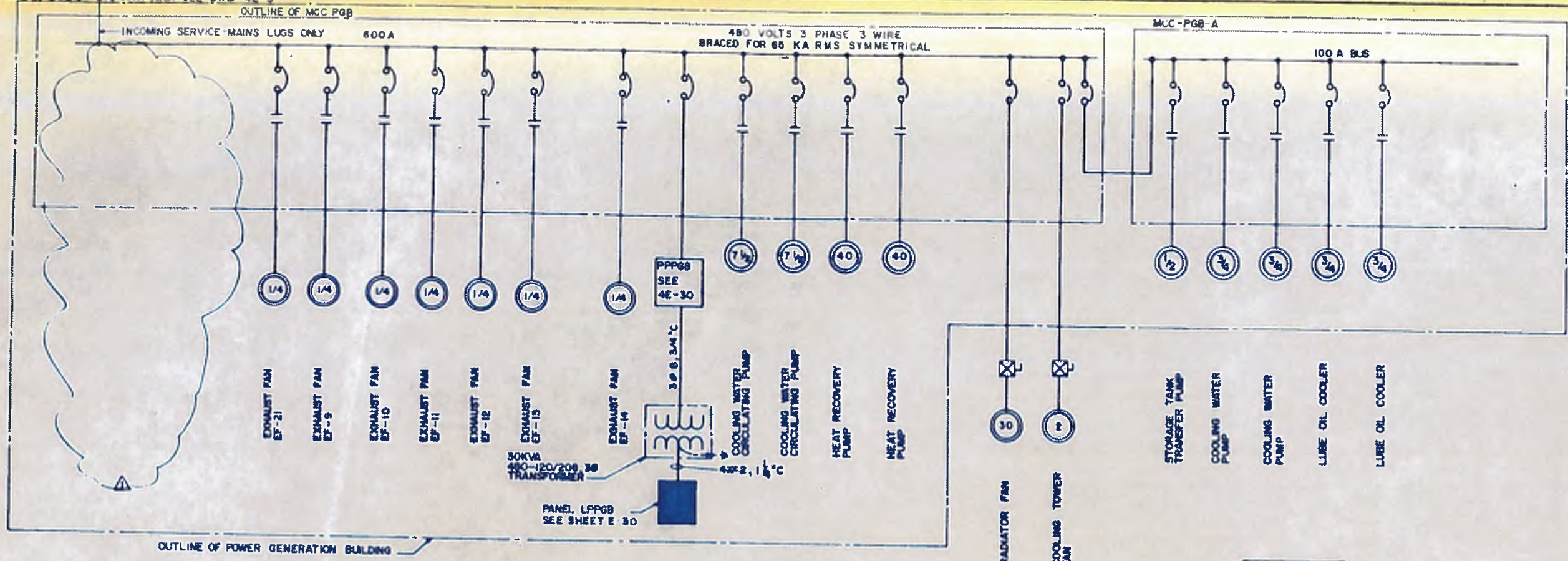
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREET
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY

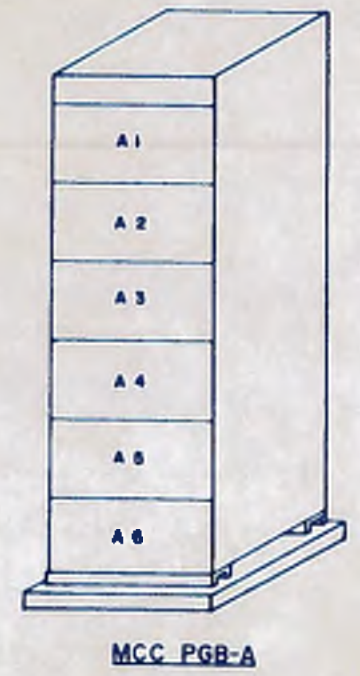
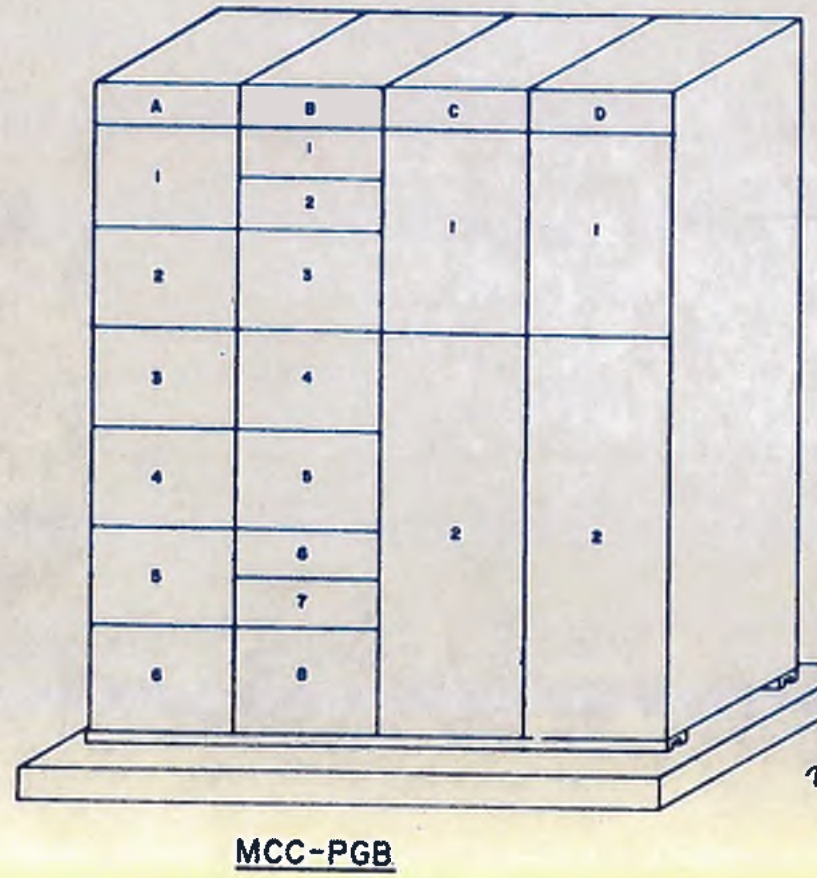
DATE: 10 MAY 1982
 DRAWING NO: 4E-5

DESIGN: KRW APPROVED
 DRAWN: T.J.R.
 CHECK: KRW SCALE: N.T.S. DATE: 10 MAY 1982



MCC PGB										
UNIT NO.	LABEL	HP RATING	STARTERS		CIR. BRKR.	MCCB			COND.	CABLE
			MEM. SIZE	TYPE		P.B.	SEL SW	FND LITE		
A-1	INCOMING SERVICE									
A-2	EXHAUST FAN EF-8	1/4	1	FVNR	15			3/4"	12	
A-3	" EF-10	1/4	1	FVNR	15			3/4"	12	
A-4	" EF-11	1/4	1	FVNR	15			3/4"	12	
A-5	" EF-12	1/4	1	FVNR	15			3/4"	12	
A-6	" EF-13	1/4	1	FVNR	15			3/4"	12	
B-1	PP-PGB				100			1 1/4"	8	
B-2	MCC PGB-A				100			1 1/4"	8	
B-3	EXHAUST FAN EF-14	1/4	1	FVNR	15			3/4"	12	
B-4	COOLING WATER CIRCULATING PUMP	7 1/2	1	FVNR	20		HOA	1"	12	
B-5	" "	7 1/2	1	FVNR	20		HOA	1"	12	
B-6	RADIATOR FAN	30			100			1"	8	
B-7	COOLING TOWER FAN	2			15			1"	12	
C-2	SPACE									
D-2	SPACE									
C-1	HEAT RECOVERY PUMP	40	3	FVNR	90		HOA	1"	4	
D-1	" "	40	3	FVNR	90		HOA	1"	4	
B-8	EXHAUST FAN EF-21	1/4	1	FVNR	15			3/4"	12	

MCC-PGB-A										
UNIT NO.	LABEL	HP RATING	MEM. SIZE	TYPE	CIR. BRKR.	P.B.	SEL SW	FND LITE	COND.	CABLE
A-1	INCOMING SERVICE									
A-2	STORAGE TANK TRANSFER PUMP	1/2	1	FVNR	15		HOA		12	3/4"
A-3	COOLING WATER PUMPS	3/4	1	FVNR	15		HOA		12	3/4"
A-4	COOLING WATER PUMPS	3/4	1	FVNR	15		HOA		12	3/4"
A-5	LUBE-OIL COOLER	3/4	1	FVNR	15		HOA		12	3/4"
A-6	LUBE-OIL COOLER	3/4	1	FVNR	15		HOA		12	3/4"



Quantity 1

Lucas

GEORGIA PROFESSIONAL ENGINEER

williams-russell & associates
engineers - planners
atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
SINGLE LINE DIAGRAM & MCC LAYOUT
POWER GENERATION BUILDING

DRG: *RJR* APPROVED
CHK: *GR*
DATE: 10, MAY 1982

NO. DATE BY DESCRIPTION REVISION

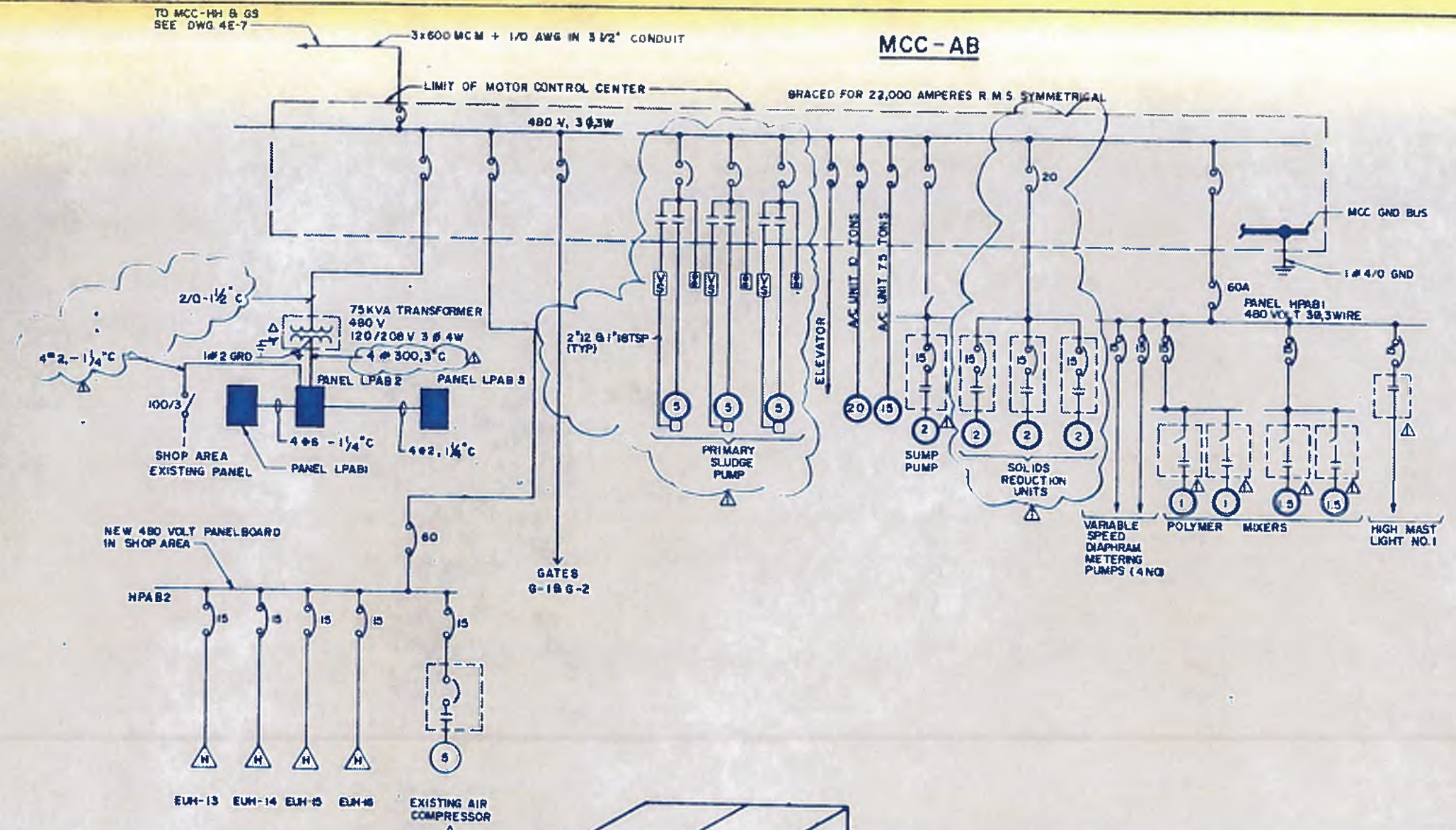
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

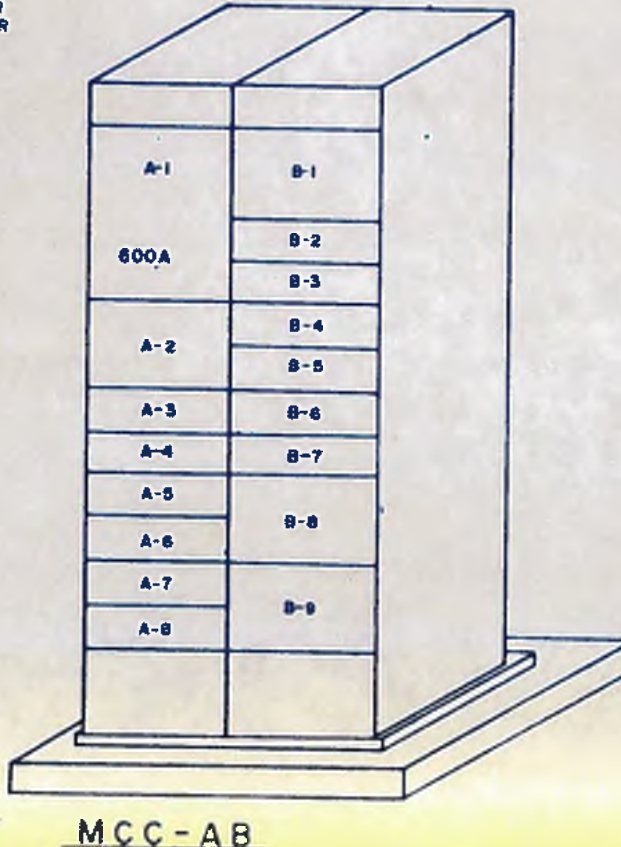
LAND LET APPROVED DISTRICT COUNTY

SCALE: N.T.S. DATE: 10, MAY 1982 DRAWING NO. 4E-6

132



MCC - AB									
UNIT NO	LABEL	M P RTG	STARTER		CHR BRKR	MODS			REMARKS
			HEMA SIZE	TYPE		P/B	SELECT SW	IND SW	
A-1	INCOMING/MCB				600A				
B-1	PRIMARY SLUDGE PUMP	5	1	FVNR	15			3/4"	12
A-2	PRIMARY SLUDGE PUMP 2	5	1	FVNR	15			3/4"	12
A-3	H2 5 KVA TRANSFORMER				175			1 1/2"	2/0
A-4	SHOP AREA (HPAB-2)				70				4
A-5	ELEVATOR	25			70			1"	6
A-6	GATES G1 & G2				20			3/4"	12
B-2	10 TON HEAT PUMP	25			70			1"	6
B-3	7.5 TON HEAT PUMP	20			60			3/4"	8
B-4	PANEL HPAB1				60			1"	6
B-5	AHU-1	2			15			3/4"	12
B-6	AHU-2	1			15			3/4"	12
B-7	SIMPLEX SUMP PUMP	2			15			3/4"	12
A-7	SOLIDS REDUCTION PUMPS				20			3/4"	12
B-8	PRIMARY SLUDGE PUMPS	5	1	FVNR	15			3/4"	12
B-9	SPACE								
A-8	SPACE								



NOTE
 1. EXISTING PUMP MOTORS, DRY TYPE TRANSFORMER AND LIGHTING PANEL BOARDS SHALL BE GIVEN TO THE OWNER.



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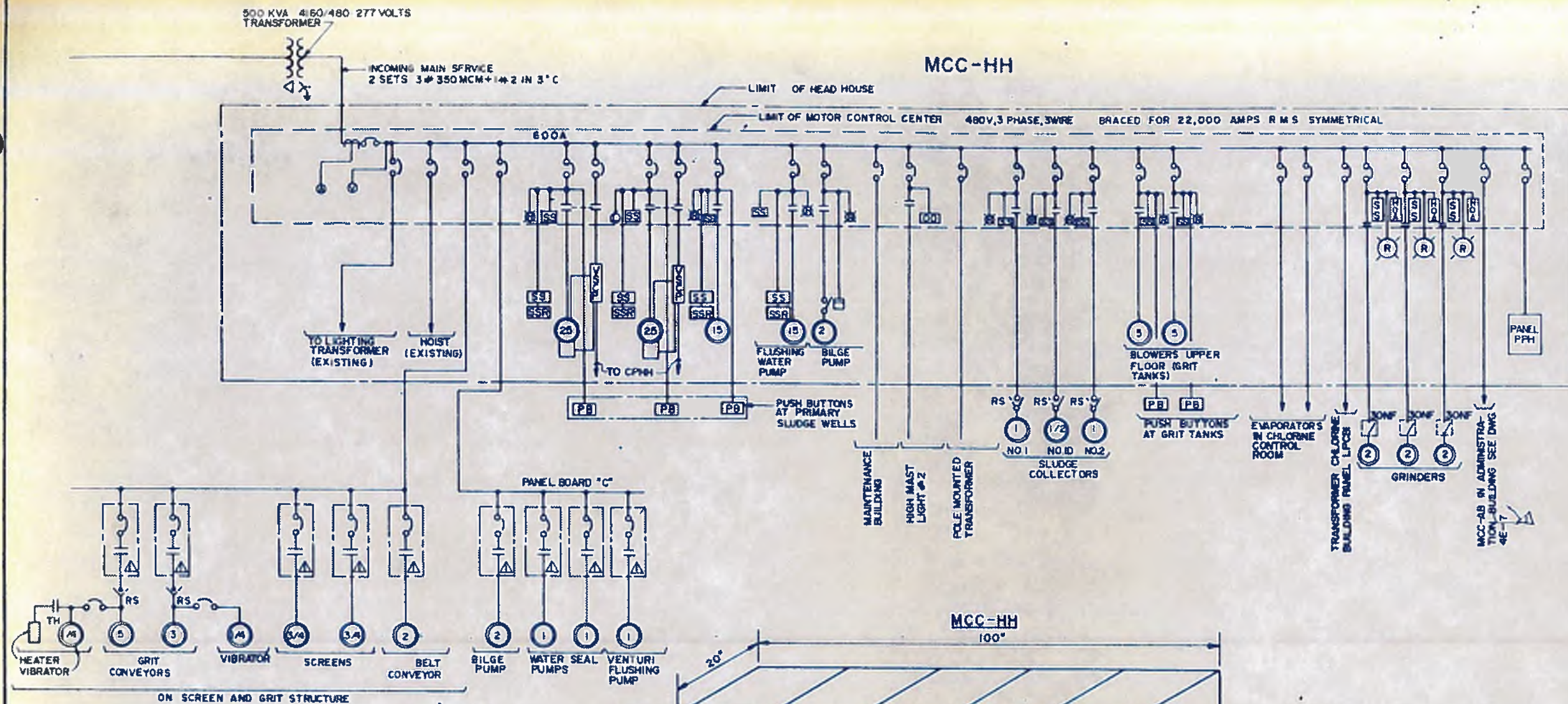
INTRENCHMENT CREEK PLANT MODIFICATIONS
 SINGLE LINE DIAGRAM & MCC LAYOUT
 ADMINISTRATION BUILDING

NO.	DATE	BY	DESCRIPTION	ADD NO.
1	5-1-82		GENERAL REVISIONS	ADD NO. 3

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & METEOROLOGY
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

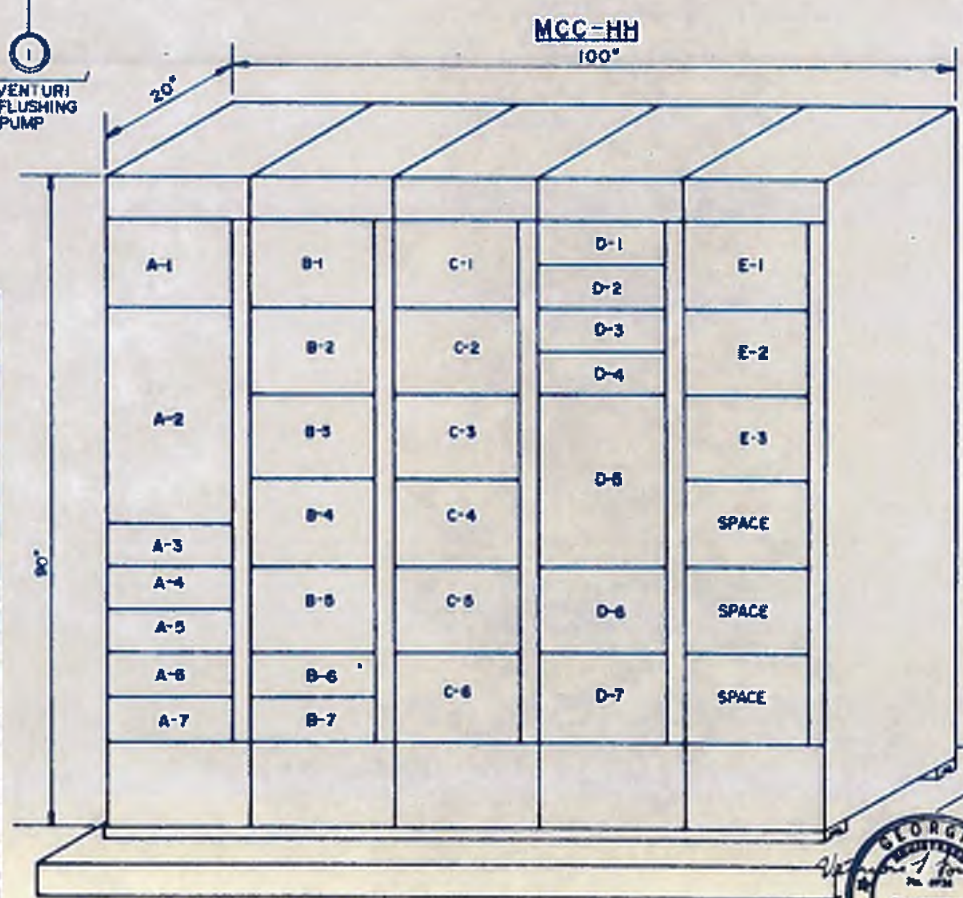
DESIGNER	KRW	APPROVED	
DRAWN	AJE	APPROVED	
CHECKED	J.P.	SCALE	NTS
DATE	10 MAY 1982	DRAWING NO.	4E-7



△ INDICATES NEMA SIZE 1 STARTER ALL STARTERS ARE TO BE REPLACED

NOTES
 1 UNLESS SHOWN OTHERWISE ALL EXISTING EQUIPMENT SUCH AS MOTORS, LIGHTING TRANSFORMER, ISOLATORS, REMOTE PUSHBUTTON STATIONS AND SELECTOR SWITCHES ARE TO BE RECONNECTED
 2 MCC AS SHOWN IS TO REPLACE EXISTING UNIT
 3 ALL SUB FEEDS FROM MOTOR CONTROL CENTER ARE TO BE REQUIRED USING EXISTING CONDUITS. WIRE SIZES SHALL EQUAL EXISTING OR IN ACCORDANCE WITH CODE WHICHEVER IS GREATER

UNIT NO.	LABEL	H.P. RATING	STARTER		CIRCUIT BREAKER	MODIFICATIONS				INSTRUMENTS		CONDUIT	WIRE
			NEMA SIZE	TYPE		F/V	SEL. SWITCH	IND. LITE	VOLT	AMM	C/T		
A-1	INCOMING SERVICE				700								
B-1	MAIN BREAKER				700								
A-3	30 KVA LTG TRANSFORMER				50							3/4"	8
A-4	HOIST				20							3/4"	10
A-5	PANELBOARD 'C'				30							3/4"	8
A-6	SCREEN & GRIT STRUCT.				40							1"	8
A-7	EVAPORATOR #1	15KW			25							3/4"	10
B-7	EVAPORATOR #2	15KW			25							3/4"	10
C-1	VOLTMETER								0-600		VSS		△
B-2	25 H.P. SLUDGE PUMP #1	25	2	FVNR	80	SS	O/O	R				1"	4
B-3	25 H.P. SLUDGE PUMP #2	25	2	FVNR	80	SS	O/O	R				1"	4
B-4	15 H.P. SLUDGE PUMP #3	15	2	FVNR	50	SS	O/O	R				1"	6
B-5	FLUSHING WATER PUMP	15	2	FVNR	50	SS		R				1"	8
D-6	2 H.P. BLGE PUMP	2	1	FVNR	15		HOA	R				3/4"	10
D-7	1 H.P. SLUDGE COLLECTOR #1		1	FVNR	15	SS	O/O	R				3/4"	10
C-2	1/2 H.P. SLUDGE COLLECTOR #10		1	FVNR	15	SS	O/O	R				3/4"	10
C-3	1 H.P. SLUDGE COLLECTOR #11		1	FVNR	15	SS	O/O	R				3/4"	10
C-4	5 H.P. GRIT TANK BLOWER #1		5	FVNR	15	SS		R				5/4"	10
C-5	5 H.P. GRIT TANK BLOWER #2		5	FVNR	15	SS		R				5/4"	10
C-6	VARIABLE SPEED C.P.				15			R				3/4"	12
D-1	LIGHTING TRANSFORMER				15			R				3/4"	10
D-2	MAINTENANCE BUILDING				15							3/4"	10
D-3	HIGH MASTLIGHT #2	64KW			40							3/4"	10
D-4	POLE MOUNTED SINGLE PHASE TRANSFORMER	5KVA			50							1"	6
D-5	ADMIN. BUILDING MCC-AB				350							3 1/2"	600 MCM
B-6	GRINDER				15	SS	HOA	R				3/4"	10
B-7	GRINDER				15	SS	HOA	R				3/4"	10
B-8	GRINDER				15	SS	HOA	R				3/4"	10



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 engineers — planners
 atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
SINGLE LINE DIAGRAM & MCC LAYOUT
HEAD HOUSE

DRGN: K.W. APPROVED: [Signature]
 DRAWN: C.D.L.
 CHECKED: F.K. SCALE: N.T.S. DATE: 10, MAY 1982

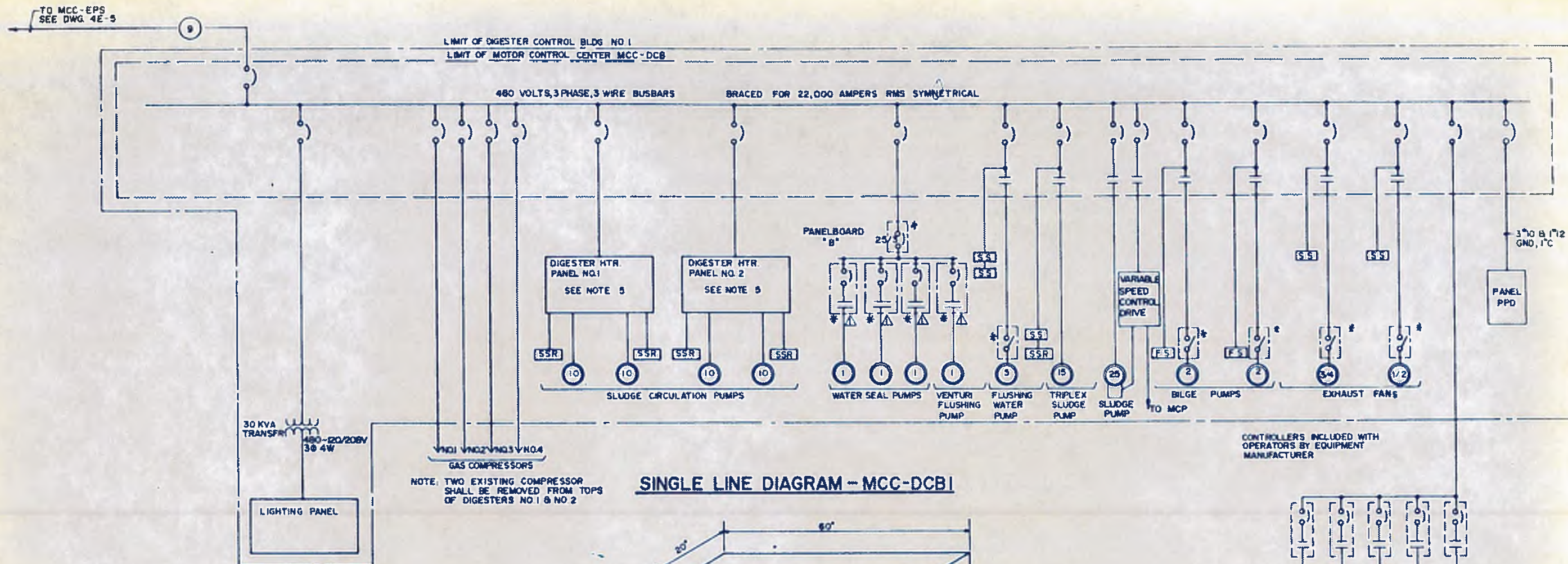
REVISIONS

NO.	DATE	BY	DESCRIPTION	ADD. NO.	PLACES
1			REVISED AS NOTED		

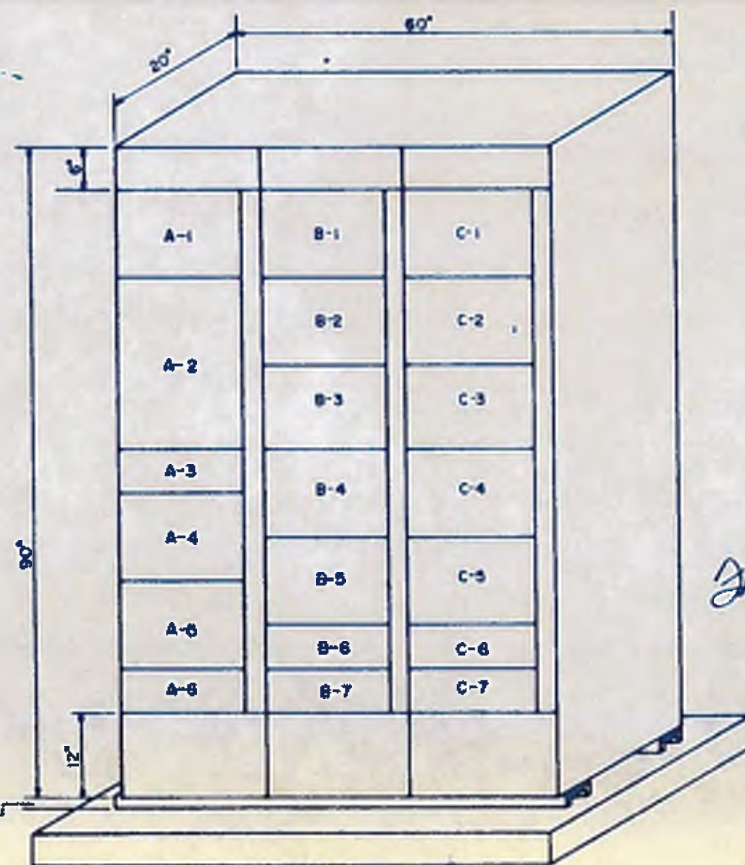
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: [] DISTRICT: [] QUANTITY: []
 APPROVED: [] SHEET NO.: **134**
 DRAWING NO.: 4E-8

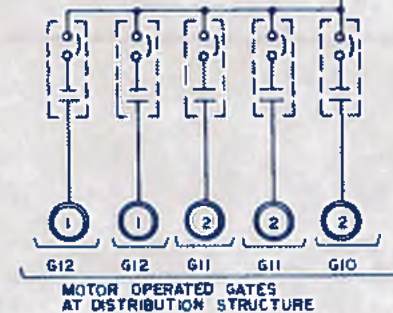


SINGLE LINE DIAGRAM - MCC-DCB1



MCC LAYOUT

UNIT NO.	LABEL	HP RATING	NEMA SIZE	STARTER TYPE	CIRCUIT BRKR	P/B	SEL	IND	CONDUIT	WIRE
A-1	INCOMING SERVICE				500 NA					
A-2	MAIN BREAKER				50				2	8
A-3	30 KVA LTG TRFR				50					
A-4	GAS COMPRESSOR # 1	80			175				1 1/4"	1
A-5	GAS COMPRESSOR # 2	80			175				1 1/4"	1
A-6	DIGESTER HEATER # 1				70				E	4
A-7	DIGESTER HEATER # 2				70				E	4
B-2	AMMETER & SWITCH									
B-3	FLUSHING WATER PUMP	5	1	FVNR	15	SS		R	E	10
B-4	TRIPLE SLUDGE PUMP	15	2	FVNR	50	SS		R	E	6
B-5	SLUDGE PUMP	25	2	FVNR	80	SS		R	E	4
B-6	PANELBOARD "B"				30				E	8
B-7	GATES DIST STRUC.				30				E	10
C-7	SPACE									
C-2	BILGE PUMP VALVE ROOM	2	1	FVNR	15		HO A	R	E	12
C-3	BILGE PUMP VALVE ROOM	2	1	FVNR	15		HO A	R	E	12
C-4	EXHAUST FAN E-3	3/4	1	FVNR	15	SS		R	E	12
C-5	EXHAUST FAN E-4	1/2	1	FVNR	15	SS		R	E	12
C-6	VARIABLE SPEED CONTROL PANEL									



NOTES

- INDICATES NEMA SIZE 1 FVNR STARTER IN NEMA TYPE 1A ENCLOSURE
- INDICATES ITEMS TO BE REPLACED ALONG WITH THE MCC
- EXISTING MOTORS, LIGHTING TRANSFORMER, LIGHTING PANELBOARD AND OTHER ITEMS OF EQUIPMENT ARE TO BE RECONNECTED UNLESS STATED OTHERWISE
- SEE NOTE 3 SHEET E-7
- THESE PANELS SHALL BE REPLACED WITH NEW ONES ORIGINAL MANUFACTURER IS PACIFIC FLUSH-TANK CO CHICAGO.

Francis L. Dale

GEORGIA REGISTERED PROFESSIONAL ENGINEER
FRANCIS L. DALE

GEORGIA REGISTERED PROFESSIONAL ENGINEER
LUCAS LONGCORE

williams-russell & associates
engineers - planners
atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
SINGLE LINE DIAGRAM & MCC LAYOUT
DIGESTER CONTROL BUILDING NO.1

NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

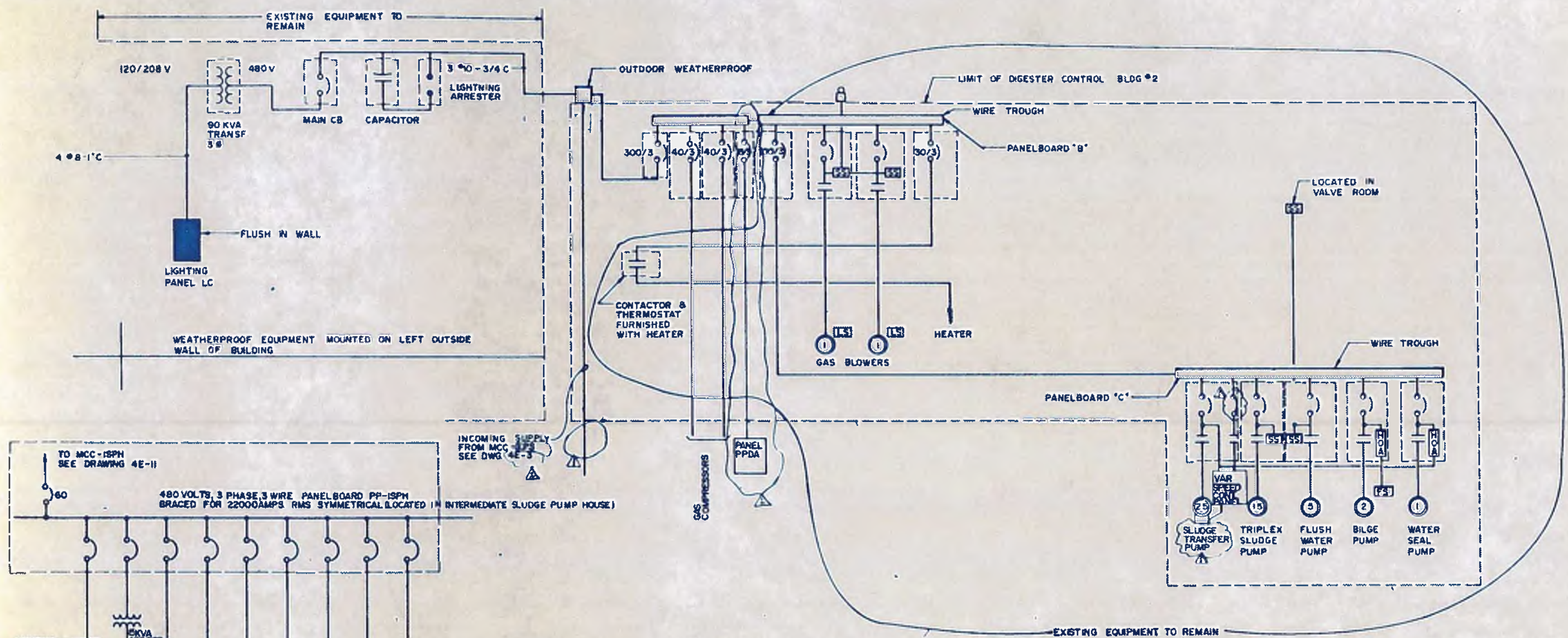
LAND LOT: _____ DISTRICT: _____ COUNTY: _____

APPROVED: _____

DRAWING NO. 4E-9

135

DWG: KRW APPROVED: _____
DATE: 10, MAY 1982



NOTES

- 1 ALL EXISTING EQUIPMENT TO REMAIN
- 2 PROVIDE AND INSTALL 2-40 AMP B-15A 3P CIRCUIT BREAKERS IN EXPLOSION PROOF ENCLOSURE AND CHANGE 225 AMP CIRCUIT BREAKER FOR 300 AMP NON-AUTOMATIC
- 3 ALL ELECTRICAL EQUIPMENT INSIDE BUILDING SHALL BE EXPLOSION PROOF, INSTALL SEAL-OFF FITTINGS IN CONDUIT LINES AS REQUIRED BY CODE AND AS NECESSARY



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 atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
SINGLE LINE DIAGRAM
DIGESTER CONTROL BUILDING NO. 2

DRWN: KRW APPROVED: FJA
 DATE: 10, MAY 1982

NO.	DATE	BY	DESCRIPTION	REVISION	PLACES
2	5-3-82	GKW	ADD PANEL PPDA (GEN REVS.)	ADD NO. 1	
1	5-1-82		REVISED AS NOTED	ADDENDUM 1	

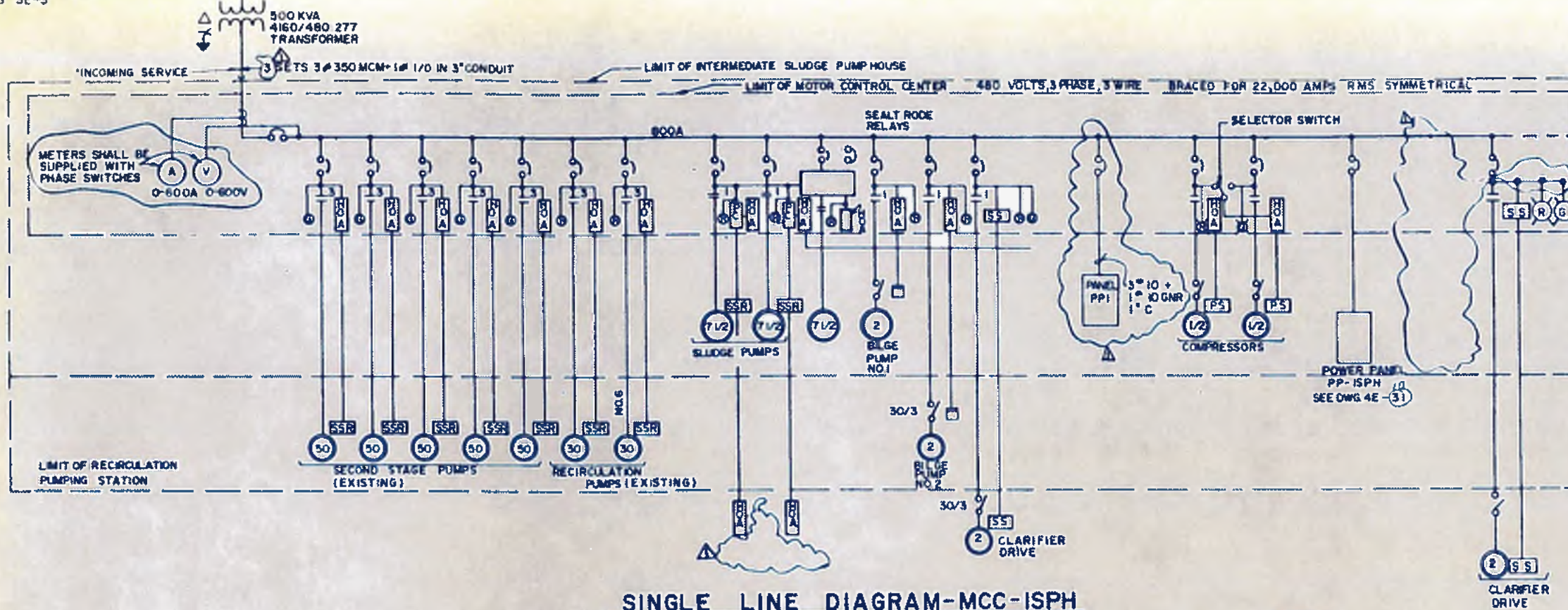
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: DISTRICT: COUNTY:
 APPROVED: SHEET NO. **136**

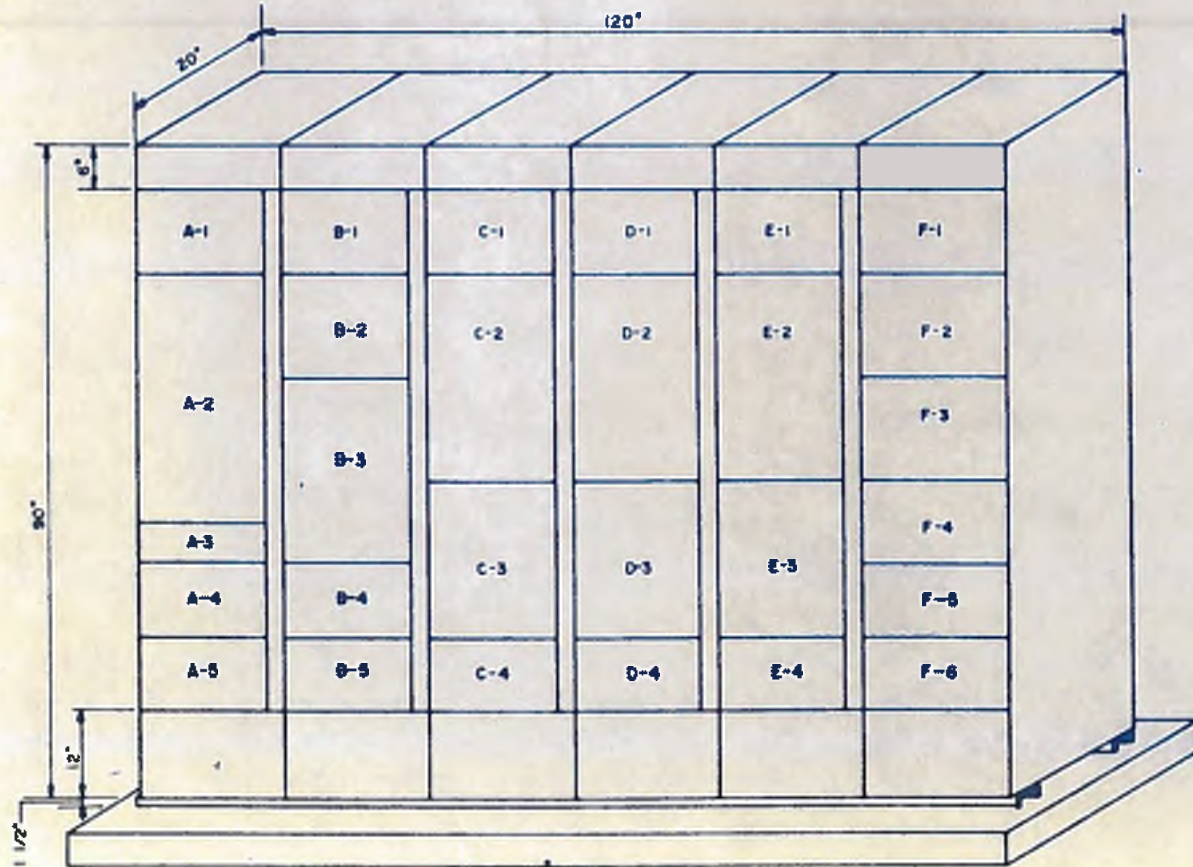
DRAWING NO. 4 E-10

TO 5KV OUTDOOR SWITCH GEAR
AT CO-GENERATION STATION
SEE DRAWING 3E-3



- NOTES**
1. ALL CONTROL CIRCUITS, TIMERS, ETC ARE TO BE RECONNECTED TO MAINTAIN ORIGINAL FUNCTIONS.
 2. WIRINGS BETWEEN NEW MCC AND EXISTING MOTORS SHALL BE REPLACED.
 3. ALL WIRING SHALL BE IN ACCORDANCE WITH NEC.

SINGLE LINE DIAGRAM-MCC-ISP



MCC LAYOUT

UNIT NO.	LABEL	H.P.	NEMA RATING	SIZE	TYPE	CIRCUIT	P/B	SEL SWITCH	IND LITE	CONDUIT	CABLE
A-1	INCOMING SERVICE					800				3	350
A-1	POWER PANEL-PP-ISP					60				3	6
A-2	MAIN BREAKER					800				3	350
A-4	COMPRESSOR NO.1	1/2	1	FVNR	15		HOA	R		1/2	12
B-2	VOLTMETER & AMMETER										
B-3	SECOND STAGE NO. 1	50	3	FVNR	180		HOA	R		1/4	2
B-4	SPACE										
B-5	COMPRESSOR NO.2	1/2	1	FVNR	15		HOA	G		3/4	12
A-5	SPACE										
C-1	CLARIFIER NO. 2	2	1	FVNR	15		SS	HOA	R	3/4	12
C-2	SECOND STAGE NO.2	50	3	FVNR	180		HOA	R		1/4	2
C-3	SECOND STAGE NO.3	50	3	FVNR	180		HOA	R		1/4	2
C-4	SPACE										
D-1	CLARIFIER NO.1	2	1	FVNR	15		SS	HOA	R	3/4	12
D-2	SECOND STAGE NO.4	50	3	FVNR	180		HOA	R		1/4	2
D-3	SECOND STAGE NO.5	50	3	FVNR	180		HOA	R		1/4	2
D-4	SPACE										
E-1	PANEL PPI										
E-2	RECIRCULATING NO. 1	30	3	FVNR	100		HOA	R		1	6
E-3	RECIRCULATING NO. 2	30	3	FVNR	100		HOA	R		1	6
F-1	SPACE										
F-2	SLUDGE PUMP NO.3	7.5	1	FVNR	30		HOA	R		3/4	12
F-2	SLUDGE PUMP NO.1	7.5	1	FVNR	30		HOA	R		3/4	12
F-3	SLUDGE PUMP NO.2	7.5	1	FVNR	30		HOA	R		3/4	12
F-4	BILGE PUMP NO.1	2	1	FVNR	15		HOA	R		3/4	12
F-5	BILGE PUMP NO.2	2	1	FVNR	15		HOA	R		3/4	12
F-6	MCC FSPH					200				2	4/0



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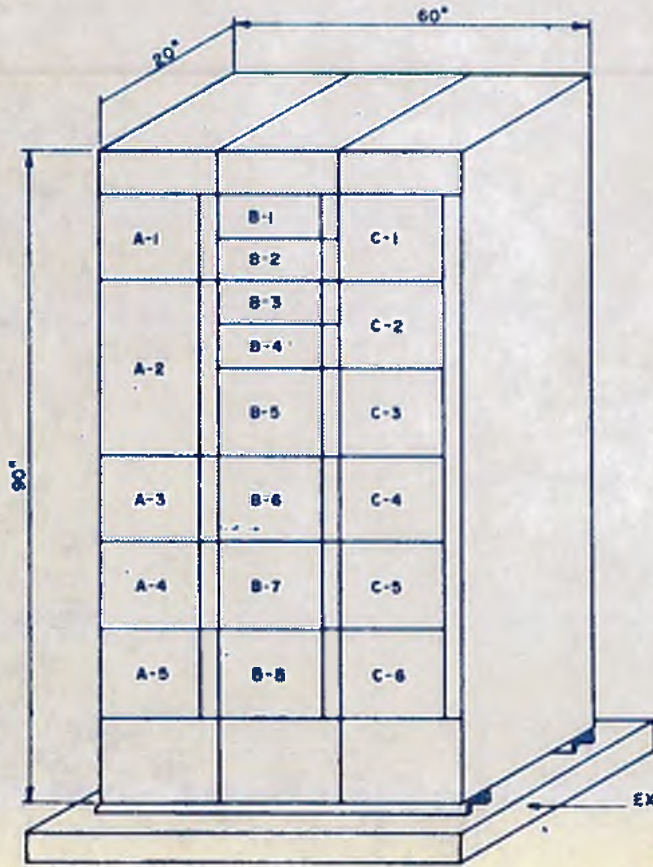
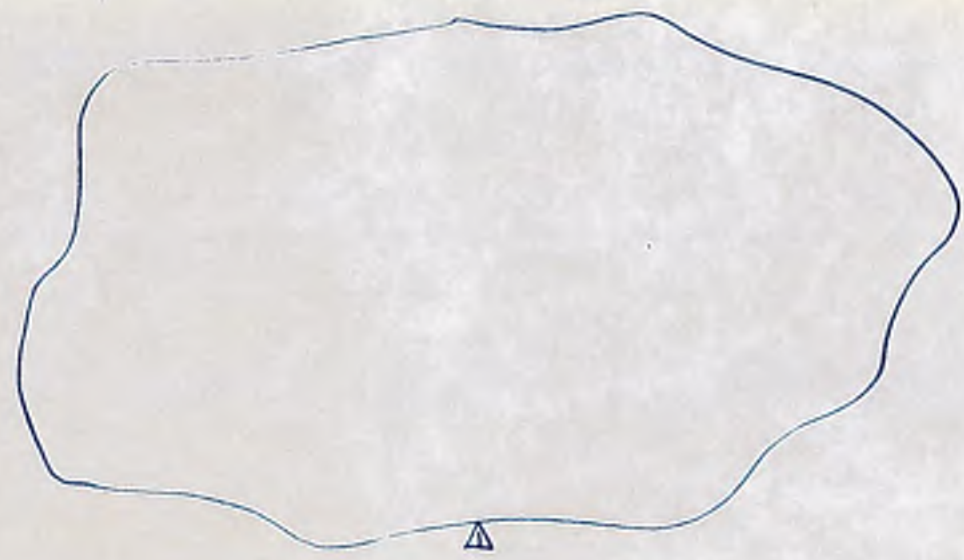
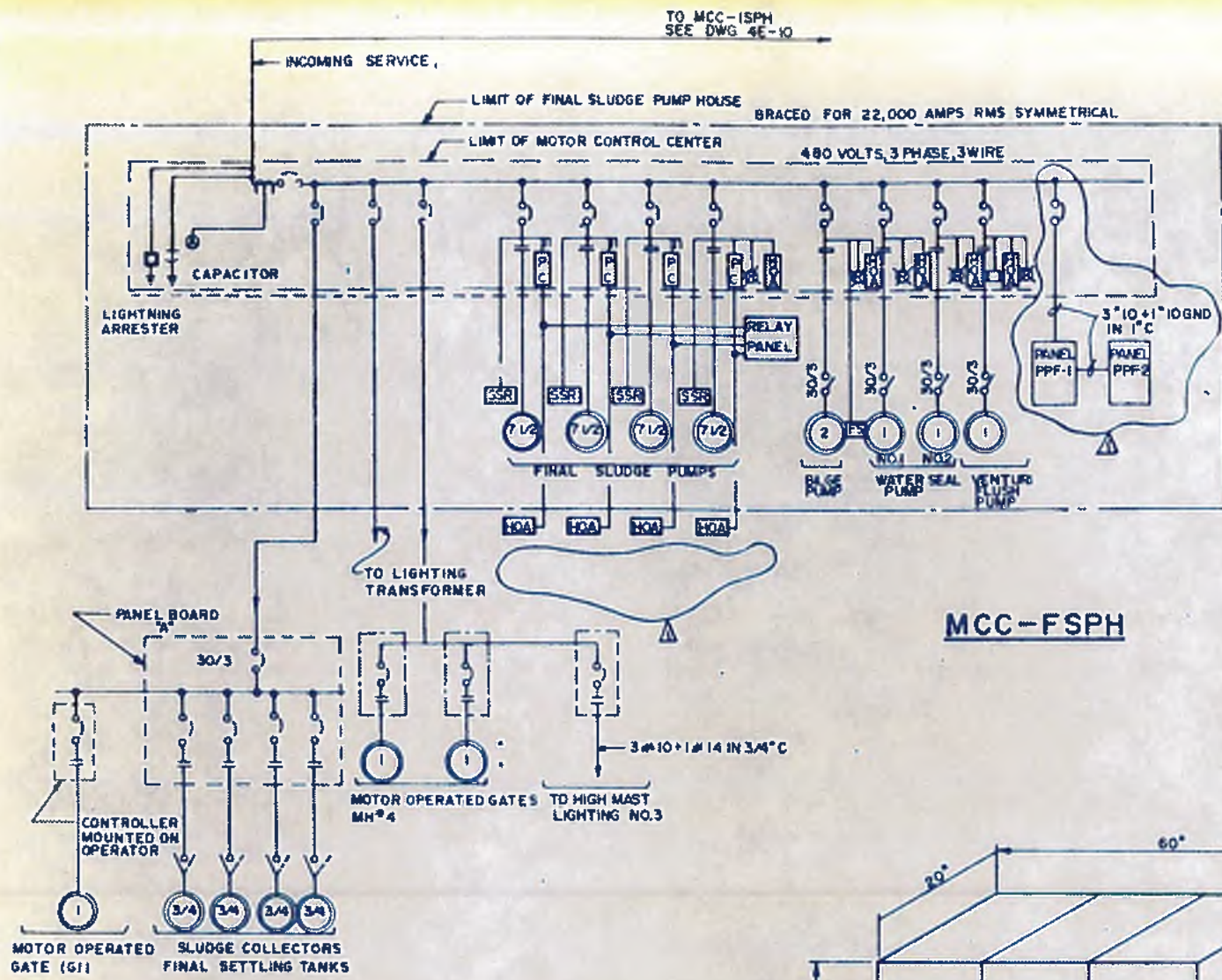
INTRENCHMENT CREEK PLANT MODIFICATIONS
SINGLE LINE DIAGRAM & MCC LAYOUT
INTERMEDIATE SLUDGE PUMP HOUSE

NO.	DATE	BY	DESCRIPTION	REVISIONS
2	5/5/82	FLD	ADD CABLE & CONDUIT SCHED	
1	10/1/82	LT	ADDPNL, REV MADE FOR	APPENDIX 3

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

ORIG	KRW	APPROVED		
CHKD	LT			
DATE	30 MAY 82	SCALE	N.T.S.	
DISTRICT		COUNTY		
LAND LOT		APPROVED		
DRAWING NO.	4 E 1	SHEET NO.	137	



UNIT NO.	LABEL	H.P.	STARTER	CIRCUIT	PROT.	SEL.	IND.	CONDUIT	CABLE
		RATING	TYPE	BRKR.	P.V.	SWITCH	LITE	SIZE	
A-1	INCOMING SERVICE	---	---	---	---	---	---	---	---
A-2	DISCONNECT SWITCH	---	---	200	---	---	---	---	---
A-3	BILGE PUMP	2	FVNR	15	HOA	R	3/4"	12	
A-4	WATER SEAL PUMP #1	1	FVNR	15	HOA	R	3/4"	12	
A-5	WATER SEAL PUMP #2	1	FVNR	15	HOA	R	3/4"	12	
B-1	PANELBOARD 'A'	---	---	30	---	---	3/4"	10	
B-2	PLANT LIGHTING & GATES	---	---	20	---	---	3/4"	10	
B-3	SPACE	---	---	---	---	---	---	---	
B-4	PPF 1	---	---	30	---	---	3/4"	10"	
B-5	VENTURI FLUSH PUMP	1	FVNR	15	SS	HOA	R	3/4"	12
B-6	SPACE	---	---	---	---	---	---	---	
B-7	SPACE	---	---	---	---	---	---	---	
B-8	SPACE	---	---	---	---	---	---	---	
C-1	SLUDGE PUMP #1	7 1/2	FVNR	30	HOA	R	3/4"	12	
C-2	SLUDGE PUMP #2	7 1/2	FVNR	30	HOA	R	3/4"	12	
C-3	SLUDGE PUMP #3	7 1/2	FVNR	30	HOA	R	3/4"	12	
C-4	SLUDGE PUMP #4	7 1/2	FVNR	30	HOA	R	3/4"	12	
C-5	SPACE	---	---	---	---	---	---	---	
C-6	SPACE	---	---	---	---	---	---	---	

NOTES
 1 ALL CONTROL CIRCUITS, TIMERS, ETC ARE TO BE RECONNECTED TO MAINTAIN ORIGINAL FUNCTIONS
 2 WIRING BETWEEN NEW MCC AND EXISTING MOTORS, PANELBOARDS, SWITCHES, ETC. SHALL BE REPLACED
 3 NEW WIRE SIZES SHALL EQUAL EXISTING OR IN ACCORDANCE WITH NEC, WHICHEVER IS LARGER

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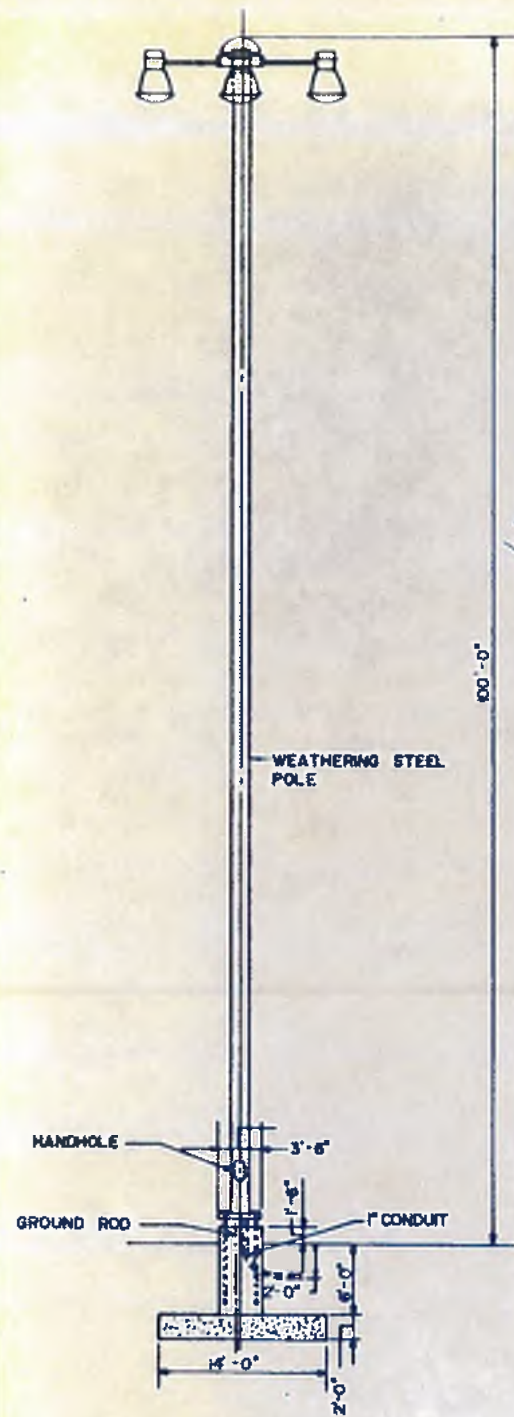
INTRINCHMENT CREEK PLANT MODIFICATIONS
 SINGLE LINE DIAGRAM & MCC LAYOUT
 FINAL SLUDGE
 PUMP HOUSE

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

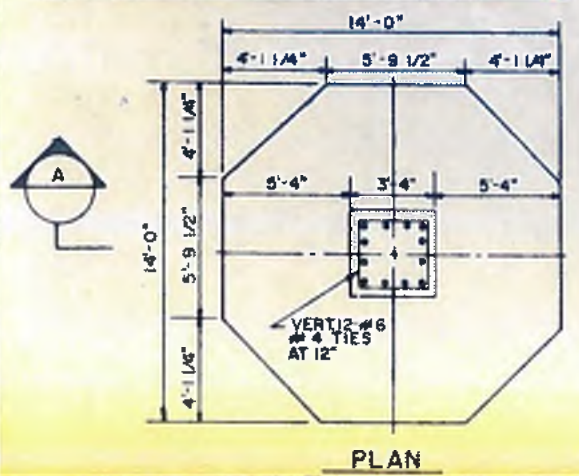
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

Lucas Longshore
 PROFESSIONAL ENGINEER
 GEORGIA
 No. 0724
 LUCAS LONGSHORE

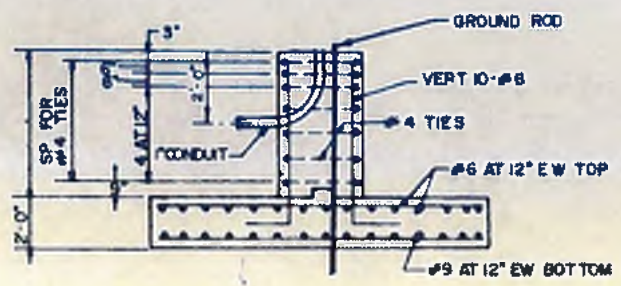
DATE: 10, MAY 1982
 SCALE: N.T.S.
 SHEET NO. 138



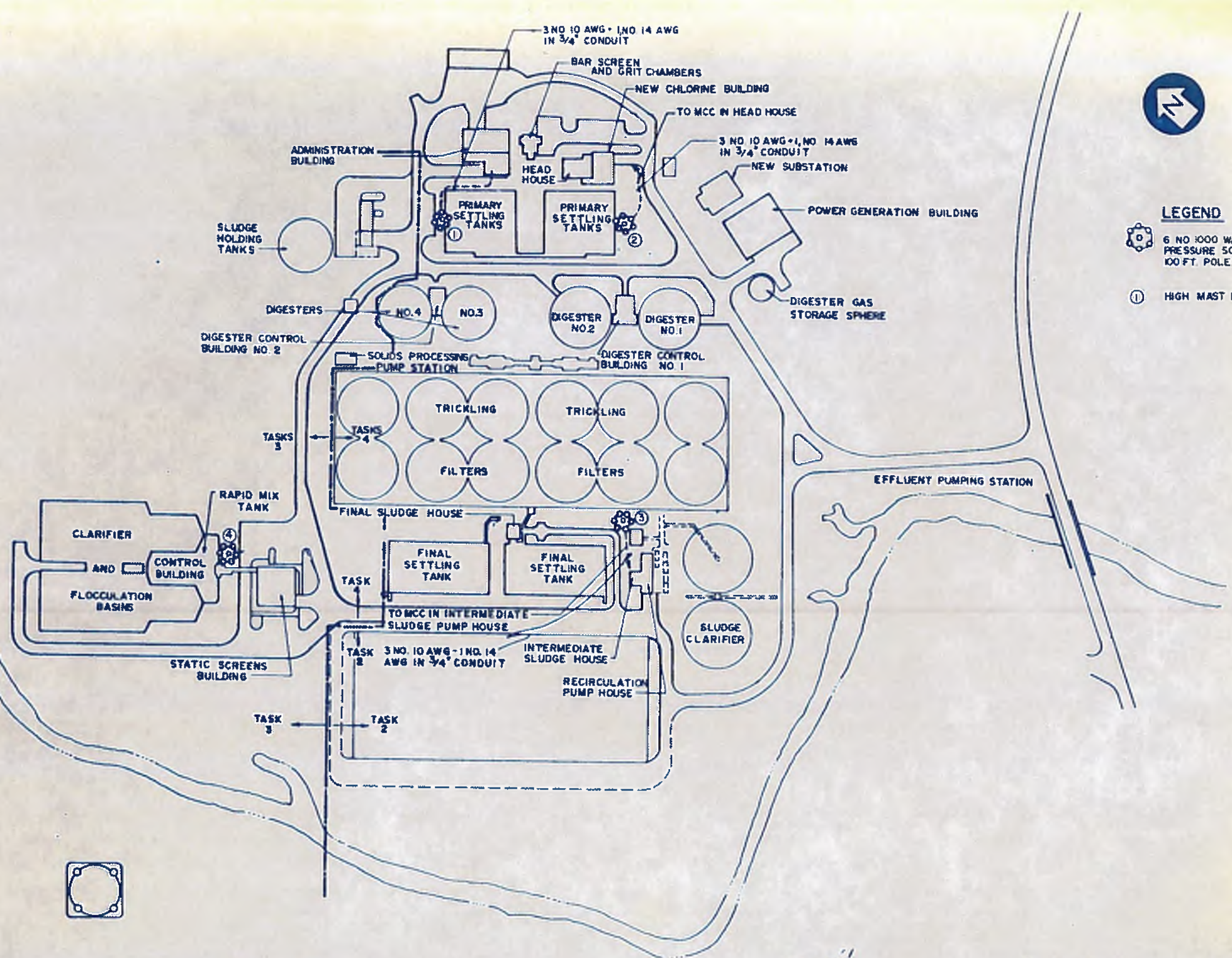
TYPICAL FOUNDATION DETAIL



PLAN



SECTION A-A
LIGHT POLE FOUNDATION



LEGEND

- 6 NO 1000 WATT HIGH MAST HIGH PRESSURE SODIUM FIXTURE ON 100 FT. POLE.
- HIGH MAST LIGHT POLE NO.

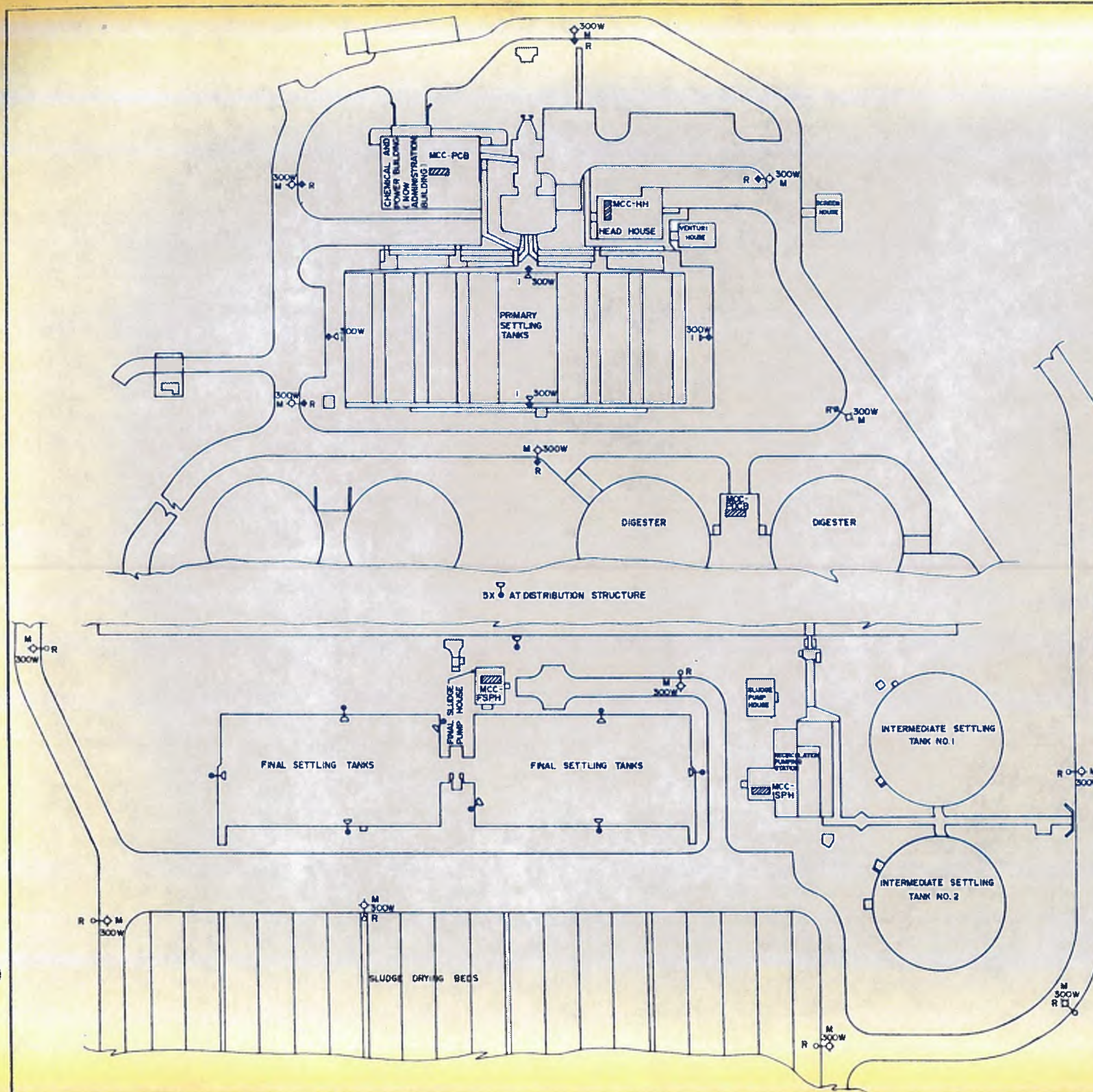


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atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
PLANT LIGHTING LAYOUT

DRW	KRW	APPROVED
DRWN	LT	
CHKD	KRW	SCALE NOT TO SCALE DATE 10 MAY -82

NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				
CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND LOT	DISTRICT	COUNTY	SHEET NO.	
APPROVED			139	
DRAWING NO.	4 E-13			



- LEGEND**
- R ○ M
300W STREET LIGHTS AND POLES TO BE REMOVED
 - ⊙-○ AREA LIGHTS TO BE REMOVED
300W
 - ▨ MOTOR CONTROL CENTERS TO BE REPLACED WITH NEW UNITS AS SHOWN ON DRAWINGS

- NOTES**
1. CONTRACTOR SHALL REMOVE EXISTING MOTOR CONTROL CENTERS WITH MINIMUM DAMAGE TO EXISTING CONTROL AND POWER CIRCUITS. I.E. CONDUITS AND WIRES.
 2. ALL CONTROL CIRCUITS IN NEW MOTOR CONTROL CENTERS SHALL BE RECONNECTED TO MAINTAIN EXISTING CONTROL FUNCTIONS.
 3. POLES, LIGHTING FIXTURES, MOTOR CONTROL CENTERS, MOTOR STARTERS AND DISCONNECT SWITCHES WHICH ARE RETIRED SHALL BE RETURNED TO THE CITY.
 4. FOR DETAILS OF NEW MOTOR CONTROL CENTERS REFER TO THE FOLLOWING DRAWING:

MCC - PCB	4E-6
MCC - AB	4E-7
MCC - HH	4E-8
MCC - DCB2	4E-9
MCC - DCB2	4E-10
MCC - ISPH	4E-11
MCC - FSPH	4E-12



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INTRENCHMENT CREEK PLANT MODIFICATIONS
DEMOLITION PLAN
PLANT SITE









NO.	DATE	BY	DESCRIPTION	PLACE
1	E-142	F.O.	NOTE NO. 4	ACCENDUM 3

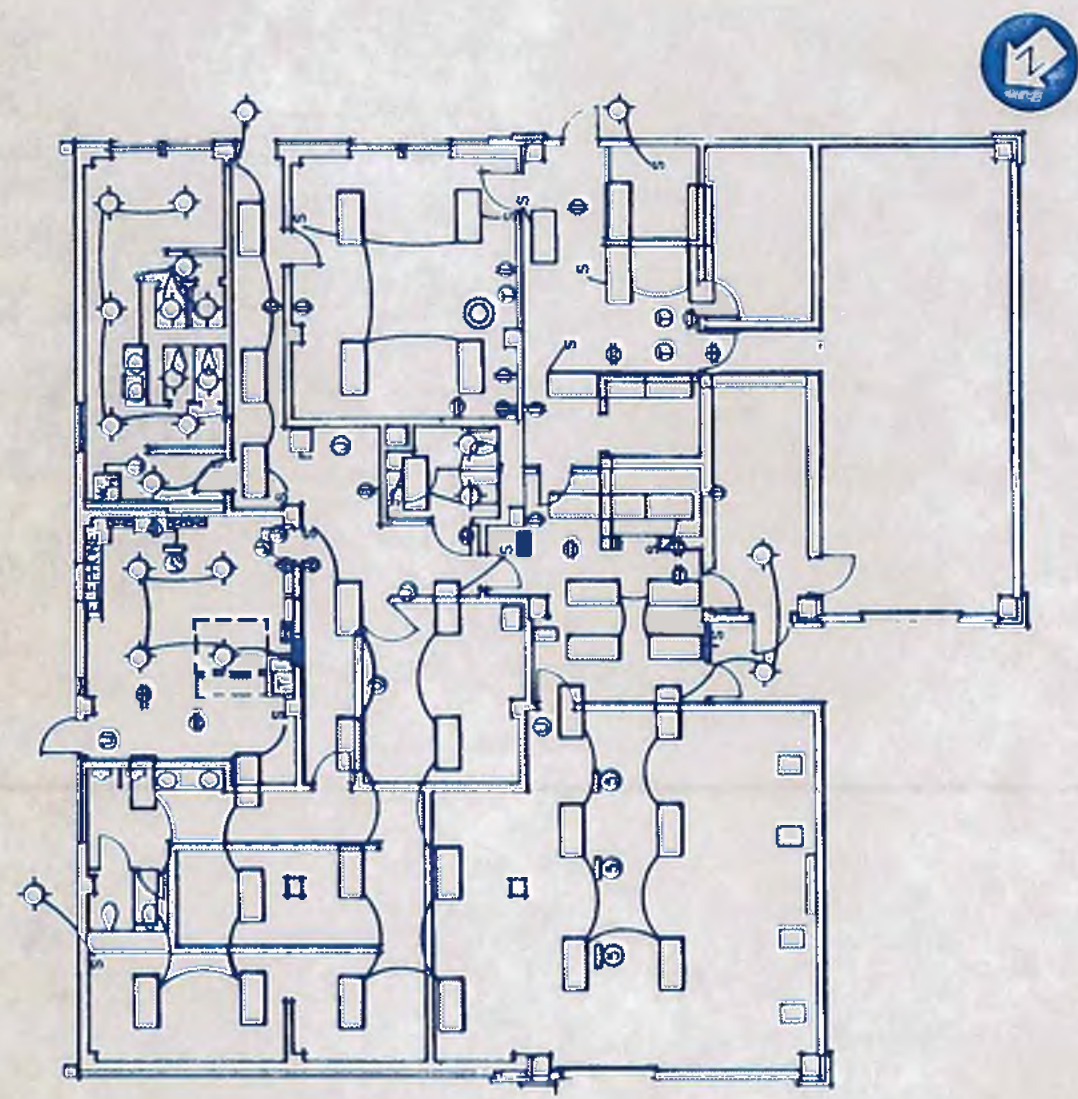


LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NO.
DRAWING NO. 4 E-14		140

DRWN: KRW
CHKD: KRW
SCALE: 1" = 40'
DATE: 10 MAY 82

LEGEND

-  FLUORESCENT FITTING
-  MAGNETIC MOTOR STARTER
-  WATER HEATER
-  PANEL LIGHTING
-  DUPLEX RECEPTACLE 120V A FL
-  DUPLEX RECEPTACLE 48V A FL
-  HEAVY DUTY DUPLEX RECEPTACLE 120V A FL
-  TELEPHONE OUTLET
-  OUTLET BOX USED AS JUNCTION BOX
-  HEATER OUTLET
-  MOTOR NO INDICATES RATING
-  SWITCH
-  INCANDESCENT FITTING CEILING MOUNTED
-  INCANDESCENT FITTING WALL MOUNTED
-  DRY TYPE TRANSFORMER
-  ELECTRIC OVEN



NOTE

ALL ITEMS OF ELECTRICAL EQUIPMENT ON FIRST FLOOR ARE TO BE REMOVED AND HANDED OVER TO OWNER

NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				



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atlanta, georgia

**INTRENCHMENT CREEK PLANT MODIFICATIONS
DEMOLITION PLAN**

ADMINISTRATION BUILDING-1ST FLOOR

DESIGN: KRW APPROVED
DRAWN: LT, JR
CHECKED: KRW

SCALE: 1/8" = 1'

DATE: 30. MAY 82

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

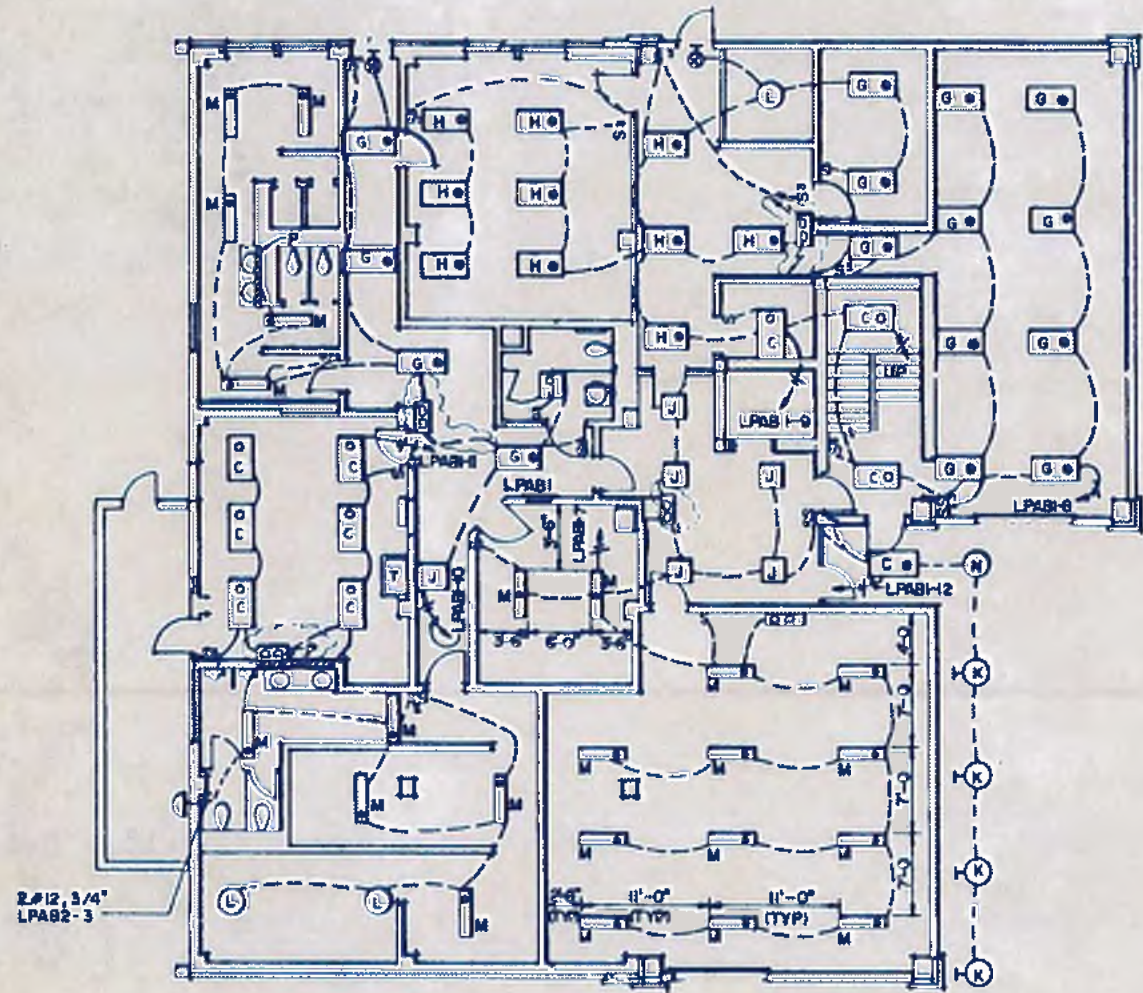
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: [] DISTRICT: [] COUNTY: []

APPROVED: [] SHEET NO: **141**

DRAWING NO: 4-E-15

- LEGEND
- RECESSED FLUORESCENT LIGHTING FIXTURE
 - SURFACE MOUNTING FLUORESCENT LIGHTING FIXTURE
 - RECESSED MOUNTED INCANDESCENT LIGHTING FITTING
 - 100 WATT BRACKET TYPE INCANDESCENT LIGHTS
 - S 120 VOLT SINGLE POLE, SINGLE THROW LIGHT SWITCH
 - S3 120 VOLT 3-WAY
 - WALL MOUNTED STRIP LIGHTING 1-40 WATT FLUORESCENT
 - ⊗ EXIT SIGN-CEILING MOUNT
 - ⊗-1 EXIT SIGN-WALL MOUNT
 - D REMOTE LAMP HEAD
 - EMERGENCY LIGHT FIXTURE WITH INTEGRAL BATTERY PACK DUAL LITE CAT NO 12-EDN-290-2-KB OR EQUAL
 - S2 120 VOLT DOUBLE POLE, SINGLE THROW LIGHT SWITCH



FIRST FLOOR PLAN
SCALE 1/8" = 1'-0"

- NOTES
- 1 CONTRACTOR SHALL CONNECT EMERGENCY LIGHT FIXTURES AHEAD OF ANY SWITCHING SO THAT FIXTURE ACTIVATES ONLY DURING POWER FAILURE.
 - 2 CONTRACTOR SHALL ADJUST EMERGENCY LIMITS LAMP HEADS FOR OPTIMUM LIGHT DURING USE.

LIGHTING FIXTURE SCHEDULE	
C	HIGH TEMPERATURE, BAKED WHITE ENAMEL, FLUORESCENT INDUSTRIAL LUMINAIRE 2-F40 CEILING MOUNTED, LITHONIA CAT NO. AF10240-120 OR APPROVED EQUAL.
G	4' x 2' TROFFER WITH INJECTION MOLDED ACRYLIC LENS, FLUSH ALUMINUM HINGE AND LATCH, 4-F40, LITHONIA CAT. NO. 2GP440-1MB-120 OR APPROVED EQUAL.
H	4' x 2' TROFFER AS ABOVE BUT 2-F40, LITHONIA CAT. NO. 2GP240-1MB-120 OR APPROVED EQUAL.
J	2' x 2' TROFFER WITH INJECTION MOLDED ACRYLIC LENS, FLUSH ALUMINUM HINGE AND LATCH 2-F40/U, LITHONIA CAT. NO. 2GP240-1MB-120.
K	ONE PIECE SEAMLESS EXTRUDED ALUMINUM BLACK WALL SQUARE DIECAST WALL PLATE 150 WR-40, 12" LONG x 8" SQUARE, PRESCOLITE CAT. NO. 9392 OR APPROVED EQUAL.
L	RECESSED INCANDESCENT FITTING WITH WHITE ENAMEL FINISH, ALL ALUMINUM REFLECTOR CHEMICALLY POLISHED AND ANODIZED FINISH FOR WET LOCATION - SPIN ALUMINUM TRIMS, 150 WATT, ART METAL LIGHTING CAT. NO. 3658AA.
M	1' x 2' FLANGED TROFFERS FOR USE IN PLASTER TYPE CEILING 2-F40 LITHONIA CAT. #FS240-1MB-120 OR APPROVED EQUAL.
O	EXIT SIGNS 120VAC WITH 2-20W LAMPS DUAL-LITE CAT. NO. X-100 WALL MOUNT; X-101 CEILING MOUNT.
N	SAME AS K EXCEPT CEILING MOUNT PRESCOLITE CAT. NO. 9492.
P	1' x 4' WALL MOUNTED FIXTURE WITH 1-F40, LITHONIA CAT. NO. CM40-120.

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**INTRICHMENT CREEK PLANT MODIFICATIONS
LIGHTING LAYOUT
FIRST FLOOR
ADMINISTRATION BUILDING**

DRWN: KRW APPROVED: [Signature]
CHKD: KRW
SCALE: 1/8" = 1'-0" DATE: 10, MAY 82

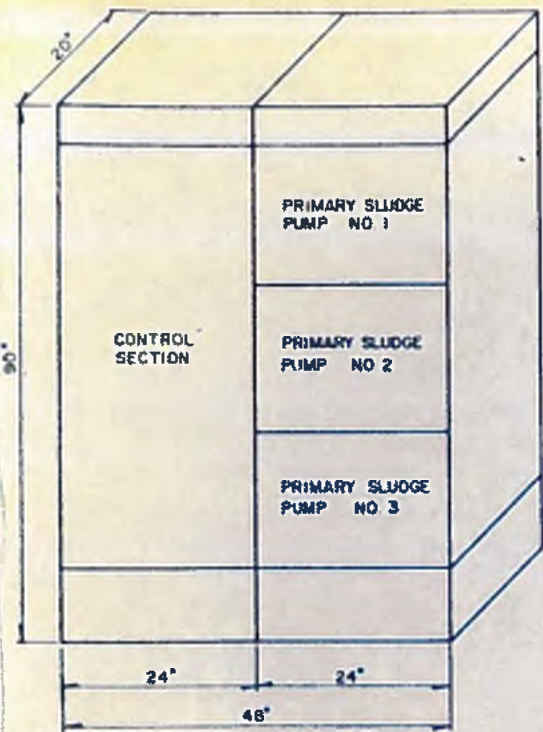
NO.	DATE	BY	DESCRIPTION	PLACES
2	8-5-82	ZLR	ADD CAT NO	ADD NO 4
3	11-2-82	ZLR	ADD EMERG LIGHT & NOTES	ADDEN 14-3

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT: [] DISTRICT: [] COUNTY: []
SHEET NO. **142**

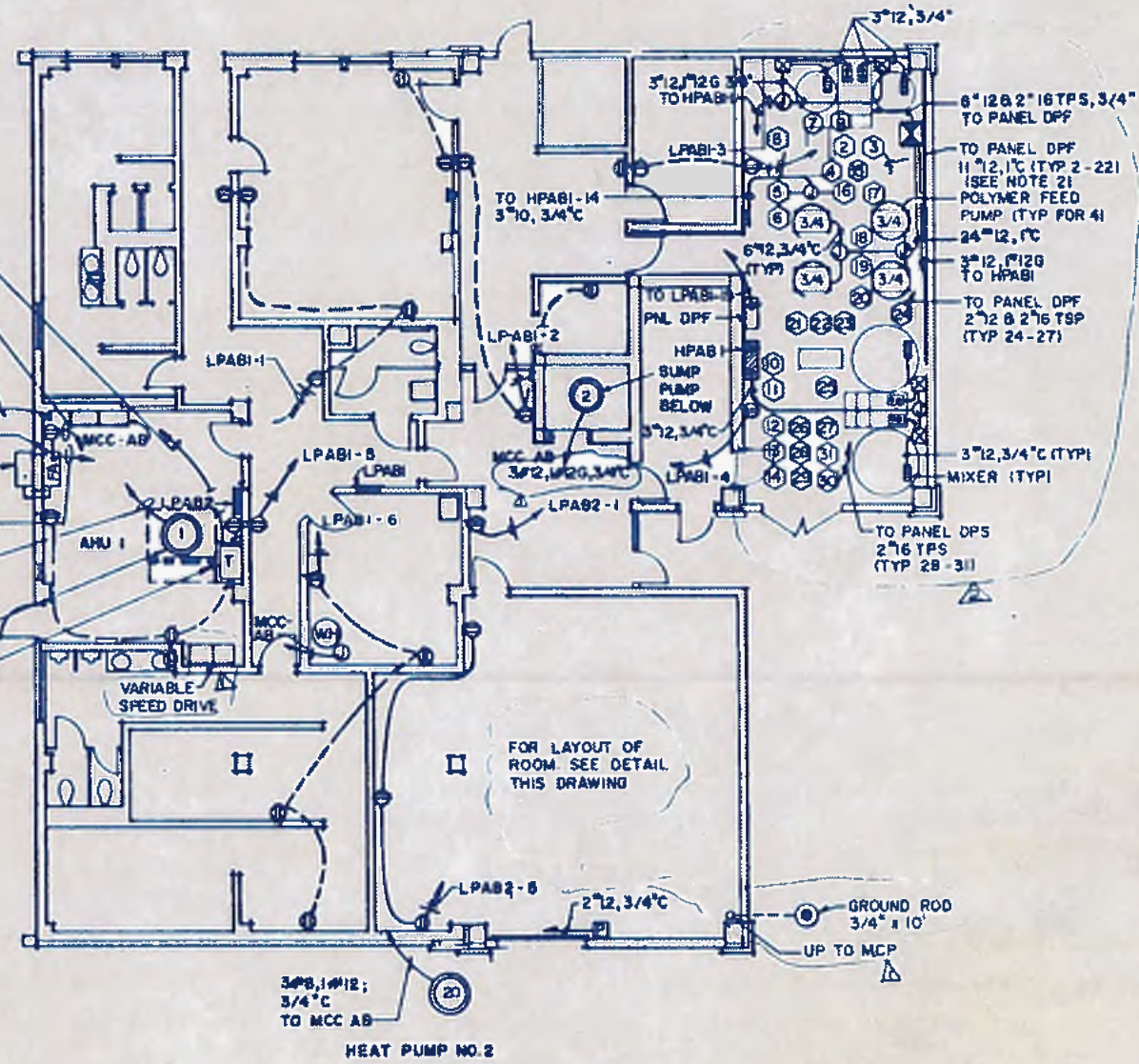
4E/17



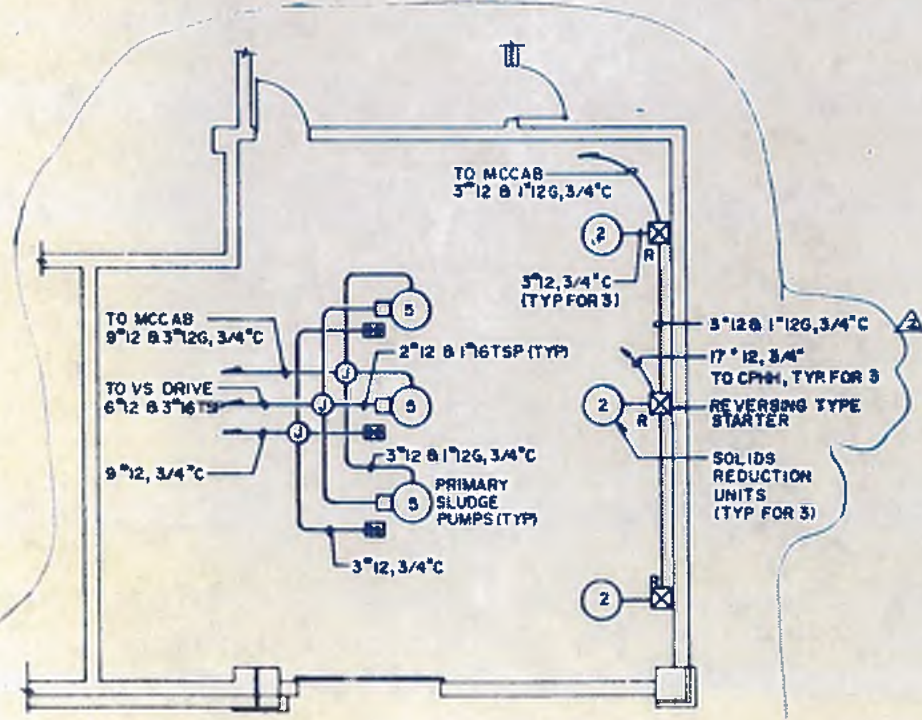
VARIABLE SPEED DRIVE FOR SLUDGE PUMPS
N.T.S.

FIRE ALARM RADIO TRANSMITTER BOX
SEE DETAIL 1
DWG 4E

- 3#2, 1 1/4" C, TO MCCAB
LPAB2-1B
- 3#8, 1#12, 3/4" C
TO MCC-AB
- HEAT PUMP NO 1
- FIRE ALARM INTERFACE PANEL
- 1" FIRE ALARM CONDUIT
TO CONTROL ROOM
- 3#12, 1#12, 3/4" C
TO MCC-AB
- MOTOR EQUIPMENT TO BE
CHANGED FROM 1HP 18 TO
1HP 30
- 75 KVA DRY TYPE
TRANSFORMER



FIRST FLOOR PLAN



DETAIL
SCALE 3/16" = 1'-0"

LEGEND

- 480 VOLTS, 3 PHASE, 3 WIRE PANELBOARD
- 208/120 VOLTS, 3 PHASE, 4 WIRE PANELBOARD
- 120 VOLTS, 15 AMPS TWO PARALLEL PINS AND U GROUND DUPLEX RECEPTACLE
- TELEPHONE OUTLET
- CONDUIT RUN EXPOSED
- CONDUIT RUN CONCEALED
- COMBINATION MOTOR STARTER SIZE AS INDICATED
- PUSH BUTTON STATION
- DC DRIVE CONTROLLER
- PRV-31-2
- MOTOR OPERATED VALVES
- FLOW TRANSMITTERS
- MIXER
- LEVEL TRANSMITTERS

NOTES:

- 1 POLYMER ROOM EQUIPMENT SHALL BE LOCATED AND VERIFIED BY CONTRACTOR PRIOR TO ANY ELECTRICAL CONNECTIONS
- 2 SEE DRAWING 3N-4 FOR CONTROL WIRING DIAGRAMS FOR POLYMER SYSTEM

NO.	DATE	BY	DESCRIPTION	ADD. NO.
2	4-82	ELR	REVISED AS NOTED	ADD. NO. 4
1	6-1-82	ZLR	REV. POLYMER RM. ADDED DETAIL	ADD. NO. 3

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INTRENCHMENT CREEK PLANT MODIFICATIONS
LAYOUT OF POWER & TELEPHONES
ADMINISTRATION BUILDING - FIRST FLOOR

DRGN: KRW APPROVED: _____
 DWGN: L.T.R.
 DNE: KRW SCALE: AS NOTED DATE: 10, MAY 82

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL







THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		SHEET NO.
		143

DRAWING NO. **4E-17**

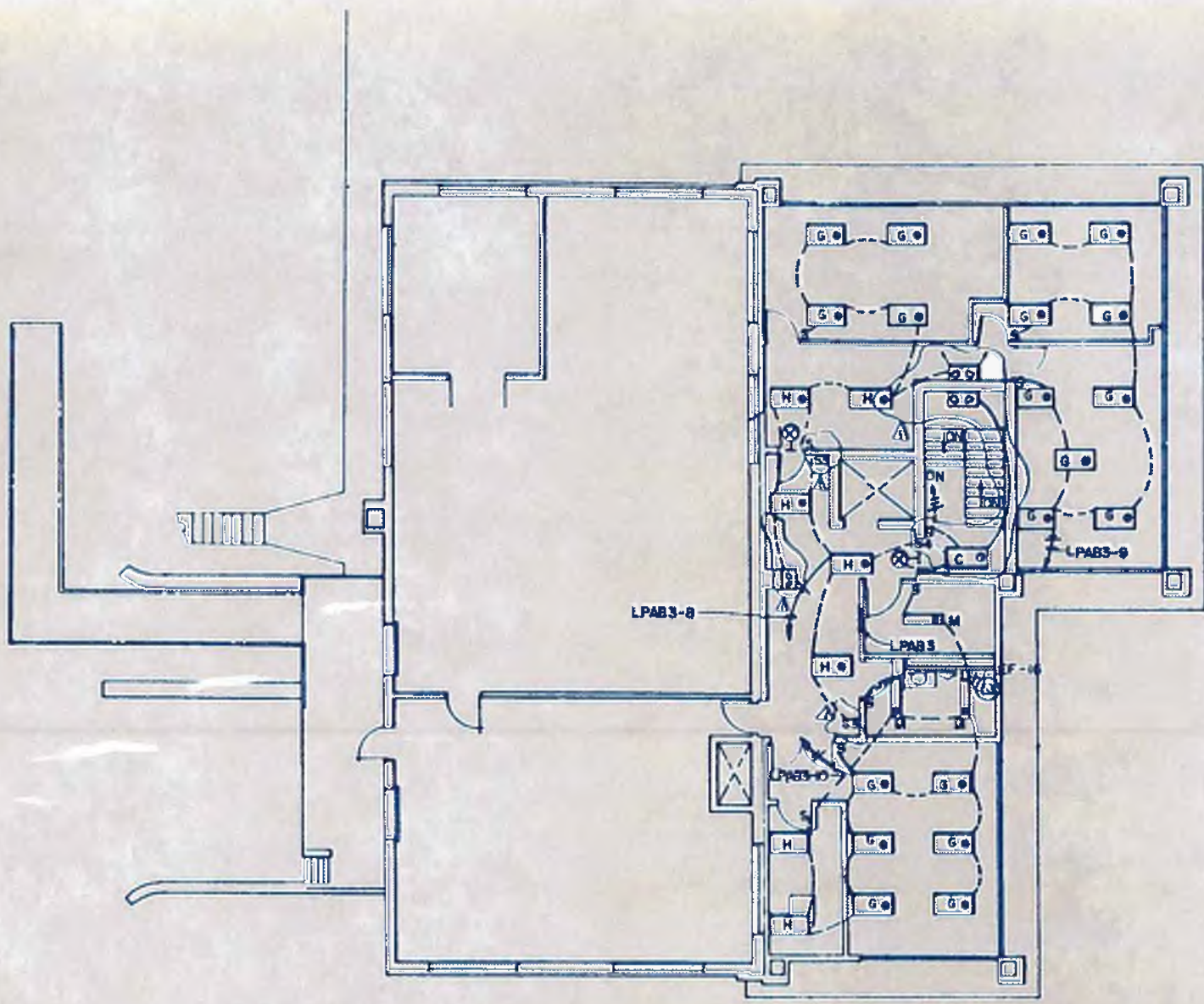


LEGEND

-  RECESSED FLUORESCENT LIGHTING FIXTURE
-  SURFACE MOUNTING FLUORESCENT FIXTURE
-  120 VOLT SINGLE POLE, SINGLE THROW LIGHTING SWITCH
-  120 VOLT THREE WAY SWITCH
-  120 VOLT FOUR WAY SWITCH
-  120 VOLT DOUBLE POLE SWITCH

NOTE

1. FOR LOCATION OF FAN EF-16 REFER TO DRAWING 4M-13.
2. SEE DRAWING 4E-16 FOR LIGHTING FIXTURE SCHEDULE.
3. FOR GENERAL NOTES ON EMERGENCY LIGHTING SEE DRAWING 4E-16.



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"

NO.	DATE	BY	DESCRIPTION
1	10/10/82	KRW	REV SWITCHES & EMERGENCY LIGHTS ACCORDING TO PERMITS



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INTRENCHMENT CREEK PLANT MODIFICATIONS
LIGHTING LAYOUT
ADMINISTRATION BUILDING-SECOND FLOOR

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

DRGN	KRW	APPROVED	
DRWN	LJR		
CHKD	KRW	SCALE 1/8" = 1'-0"	DATE 10, MAY 82

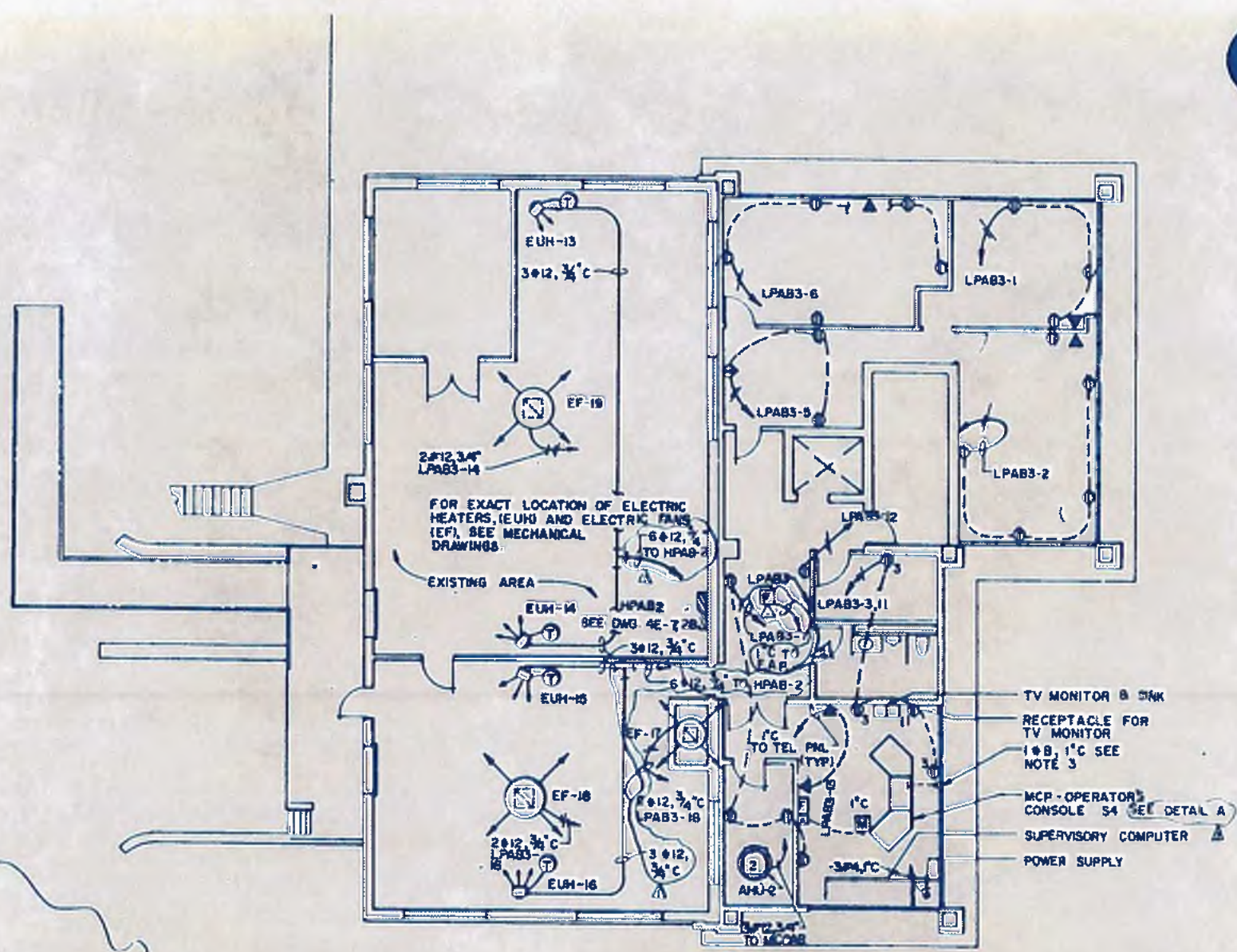
LAND ID	DISTRICT	COUNTY	SHEET NO.
			144
DRAWING NO.	4 E - 18		

LEGEND

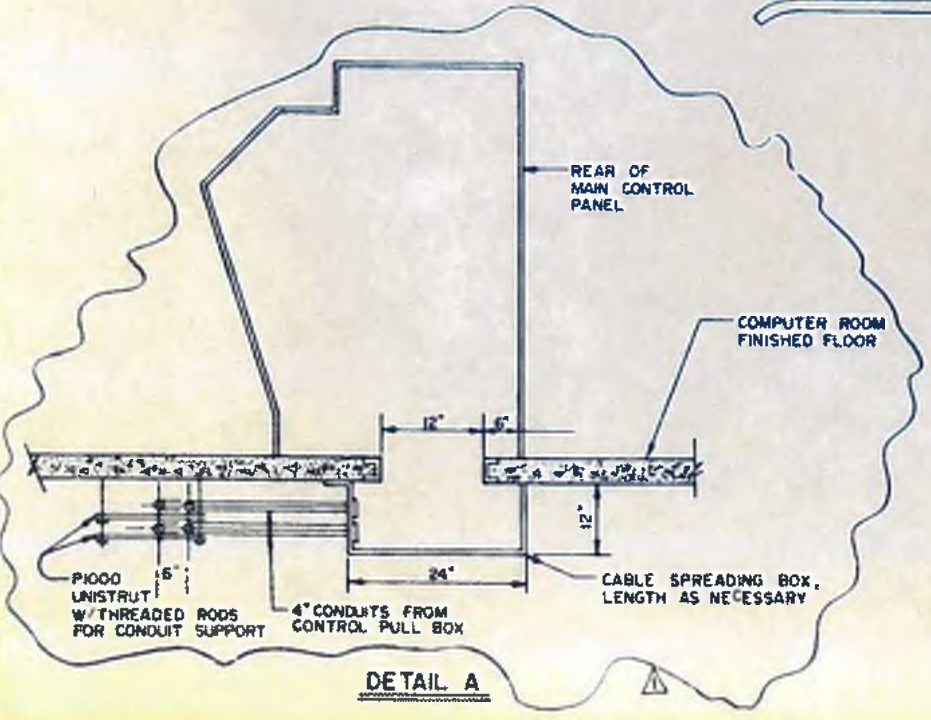
- ⊕ 120 VOLT, 15 AMP TWO PARALLEL PINS AND U-GROUND DUPLEX RECEPTACLE MOUNTED 18" ABOVE FINISHED FLOOR LEVEL
- ▽ TELEPHONE OUTLET
- ⊠ FIRE ALARM PULL BOX
- ⊡ PA SYSTEM AMPLIFIER
- ⊞ FIRE ALARM HORN

NOTE

- 1 FOR LOCATION OF EXHAUST FANS EF-17 THRU EF-19 REFER TO DWG 4M-13
- 2 FOR LOCATION OF ELECTRIC HEATERS EUH-13 THRU EUH-16 REFER TO DWG 4M-13
- 3 CONTRACTOR SHALL INSTALL 1" Ø, 1" C FROM AN ISOLATED GROUND ROD DESIGNATED FOR COMPUTER ROOM USE ONLY
- 4 CONTRACTOR SHALL INSTALL 1" CONDUIT FROM FIRE ALARM PULLBOX IN CONTROL ROOM TO PLANT FIRE ALARM STATION
- 5 CONTRACTOR SHALL RECONNECT ALL EXISTING CIRCUITS TO NEW SHOP AREA POWER PANEL SEE DWG 4E-6 FOR NEW CIRCUITS ADDED TO PNL



SECOND FLOOR PLAN
SCALE 1/8" = 1'-0"



DETAIL A



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INTRENCHMENT CREEK PLANT MODIFICATIONS
LAYOUT OF RECEPTACLES & TELEPHONES
ADMINISTRATION BUILDING-SECOND FLOOR

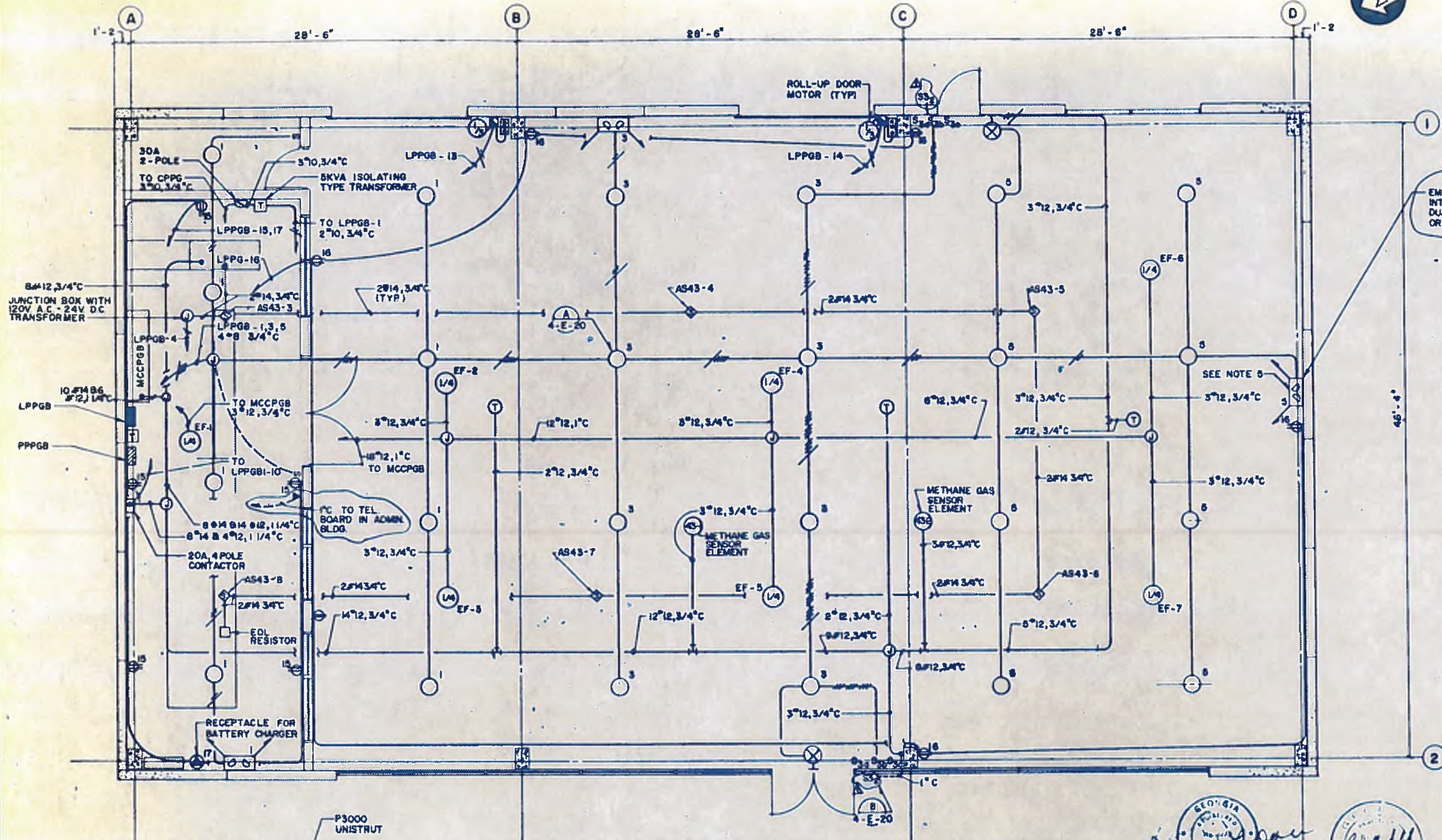
DRWN: KRW APPROVED: [Signature]
CHKD: KRW SCALE: 1/8" = 1'-0" DATE: 10 MAY 82

NO.	DATE	BY	DESCRIPTION	ADD. NO.
2	5/10/82	KRW	ADD FIRE ALARM HORN	ADD NO. 4
1	5/10/82	LJR	REV EUM WIRING, ADD DTL. A	ADDENDUM 3

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

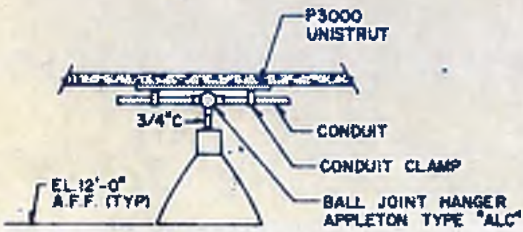
COUNTY: [] DISTRICT: [] SHEET NO.: **145**



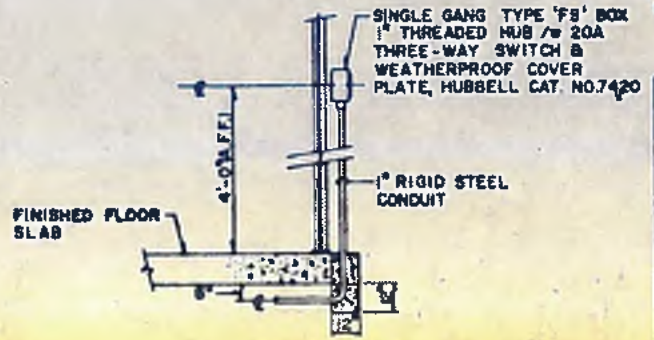
EMERGENCY LIGHT FIXTURE WITH INTEGRAL BATTERY PACK, DUAL-LITE CAT # 12-EDN-290-2-KB OR EQUAL

- NOTES:**
1. FIXTURE SHALL BE SYLVANIA TYPE CAT. NO. BAK12-150HPS-12CM OR APPROVED EQUAL.
 2. SEE DRAWING 4-E-22 FOR GROUNDING.
 3. CONTRACTOR TO CO-ORDINATE LIGHTING INSTALLATION WITH LOCATIONS OF EXHAUST FANS.
 4. ALL CONDUIT ROUTING IS SHOWN DIAGRAMMATICALLY. CONTRACTOR TO DETERMINE EXACT ROUTING.
 5. CONTRACTOR TO CONNECT EMERGENCY LIGHTS AHEAD OF ANY SWITCHES IN CIRCUIT SO THAT FIXTURES ARE ENERGIZED ONLY DURING POWER OUTAGES.

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



DETAIL A
NTS.



DETAIL B
NTS.



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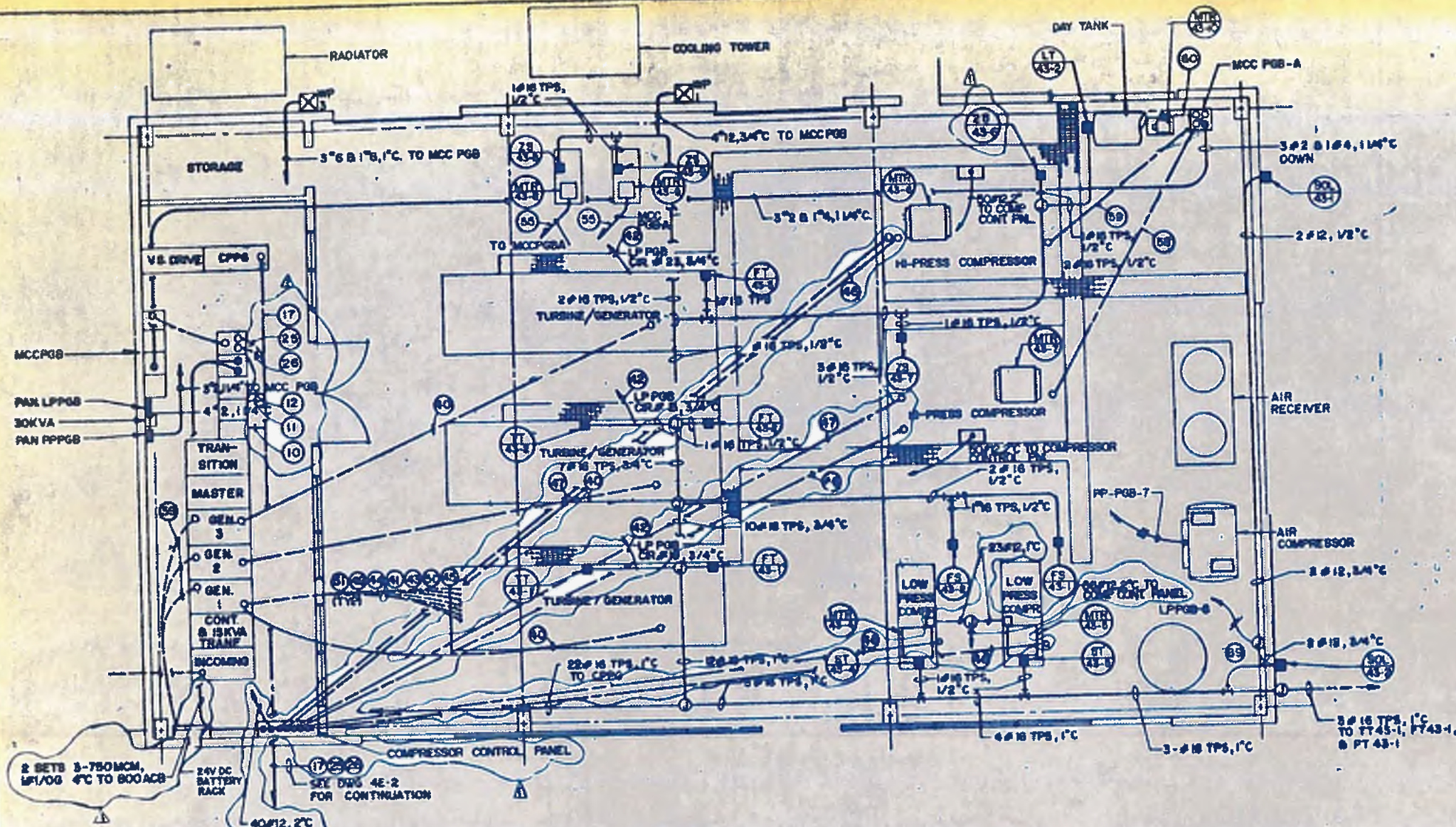
INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION BUILDING
LIGHTING & RECEPTACLE PLAN

NO.	DATE	BY	DESCRIPTION	PLACES
2	10/12/82	ZLR	ADD CAT NO.	
1	8/18/82	CEL	ADDED INSTR #, S ₁ , WLS S ₂	

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

DESIGN	ZLR	APPROVED		
DRAWN	CEL			
CHECKED	GRH			
SCALE	1/4" = 1'-0"		DATE	10. MAY 82
DRAWING NO.	4-E-20			



PLAN
SCALE: 3/8" = 1'-0"

- NOTES:**
1. CONTRACTOR TO LOCATE & VERIFY EACH DEVICE PRIOR TO ANY ELECTRICAL CONNECTIONS.
 2. CONTRACTOR TO COORDINATE UNDERGROUND CONDUIT ROUTING WITH EQUIPMENT LOCATIONS AND UNDERGROUND SERVICES.



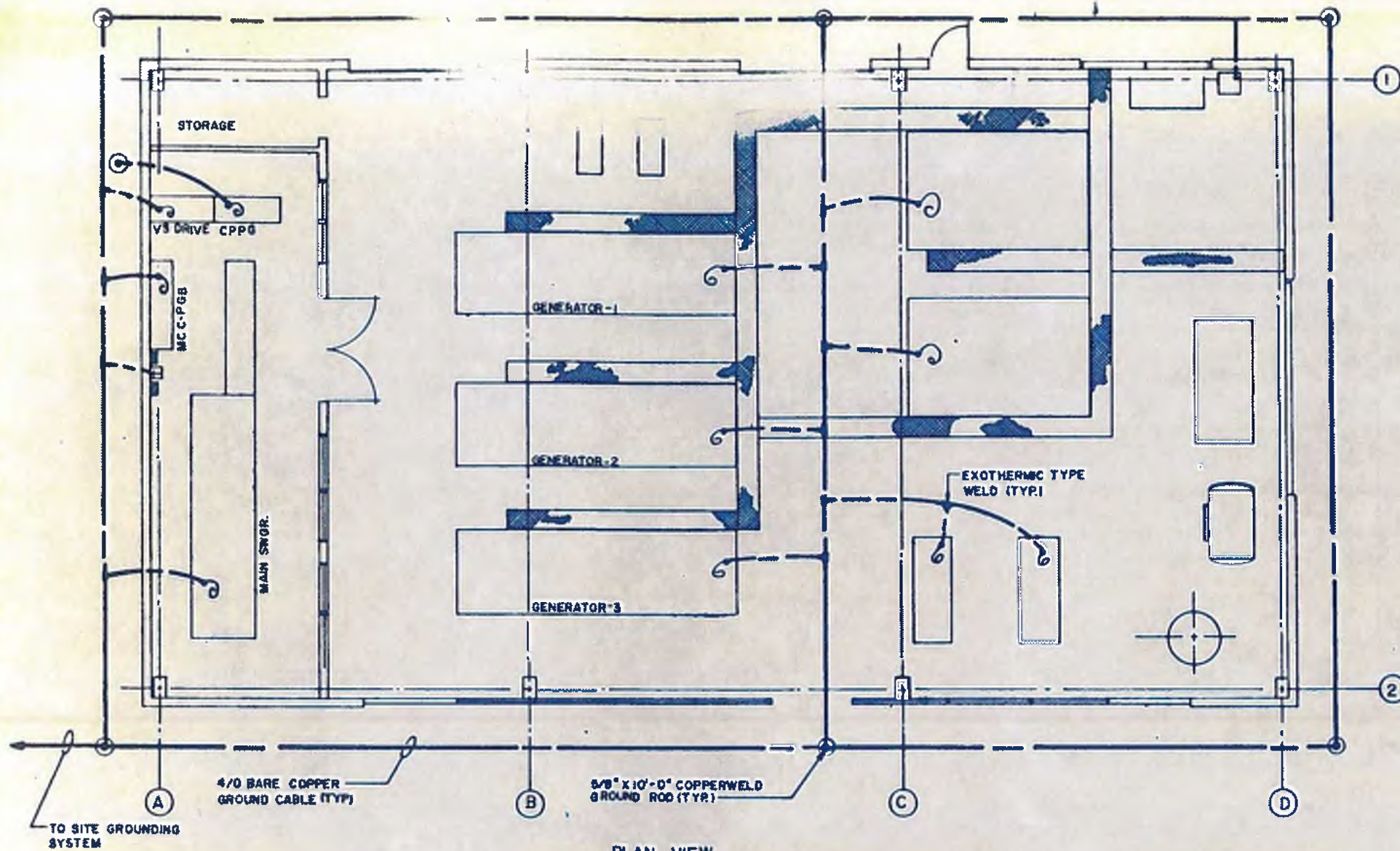
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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION BUILDING
POWER LAYOUT

NO.	DATE	BY	GENERAL DESCRIPTION	REVISION	APPENDIX

		CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL	
THREE RIVERS WATER QUALITY MANAGEMENT PLAN			
LAND LOT	DISTRICT	COUNTY	SHEET NO.
			147

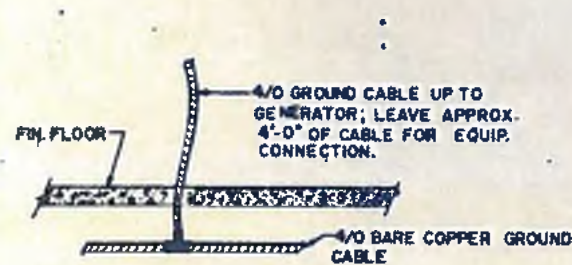
DESIGN: F.L.D. APPROVED: [Signature]
DRAWN: [Signature]
DATE: 12 MAY 82



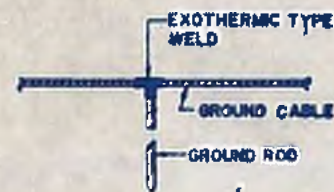
PLAN VIEW
SCALE: 3/16" = 1'-0"

NOTES:

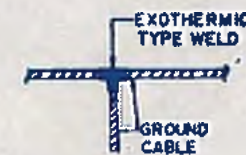
- 1 GROUND RODS SHALL BE DRIVEN INTO UNDISTURBED EARTH, A MINIMUM OF 3'-0" FROM FOOTINGS AND FOUNDATION WALLS. TOP OF ROD SHALL BE 18" MIN. BELOW GRADE.
- 2 ALL BURIED CONDUCTORS SHALL BE LAID SLACK IN TRENCHES TO PREVENT STRESS AND BREAKAGE.
- 3 MINIMUM BURIAL ELEVATION SHALL BE 18" BELOW FINISHED GRADE.
- 4 ALL BELOW GRADE GROUND CONNECTIONS SHALL BE "CADWELD" OR APPROVED EQUAL.
- 5 ALL ABOVE GRADE GROUND CONNECTIONS SHALL BE SOLDERLESS TYPE.



DETAIL 'A'
GENERATOR GROUNDING CONNECTION



DETAIL 'B'
GROUND ROD CONNECTION TO GROUND CABLE



DETAIL 'C'
GROUND CABLE TAP CONNECTION TO GROUND CABLE SYSTEM (TYR)



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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER GENERATION BUILDING
GROUNDING SYSTEM

NO.	DATE	BY	DESCRIPTION	PLACES

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

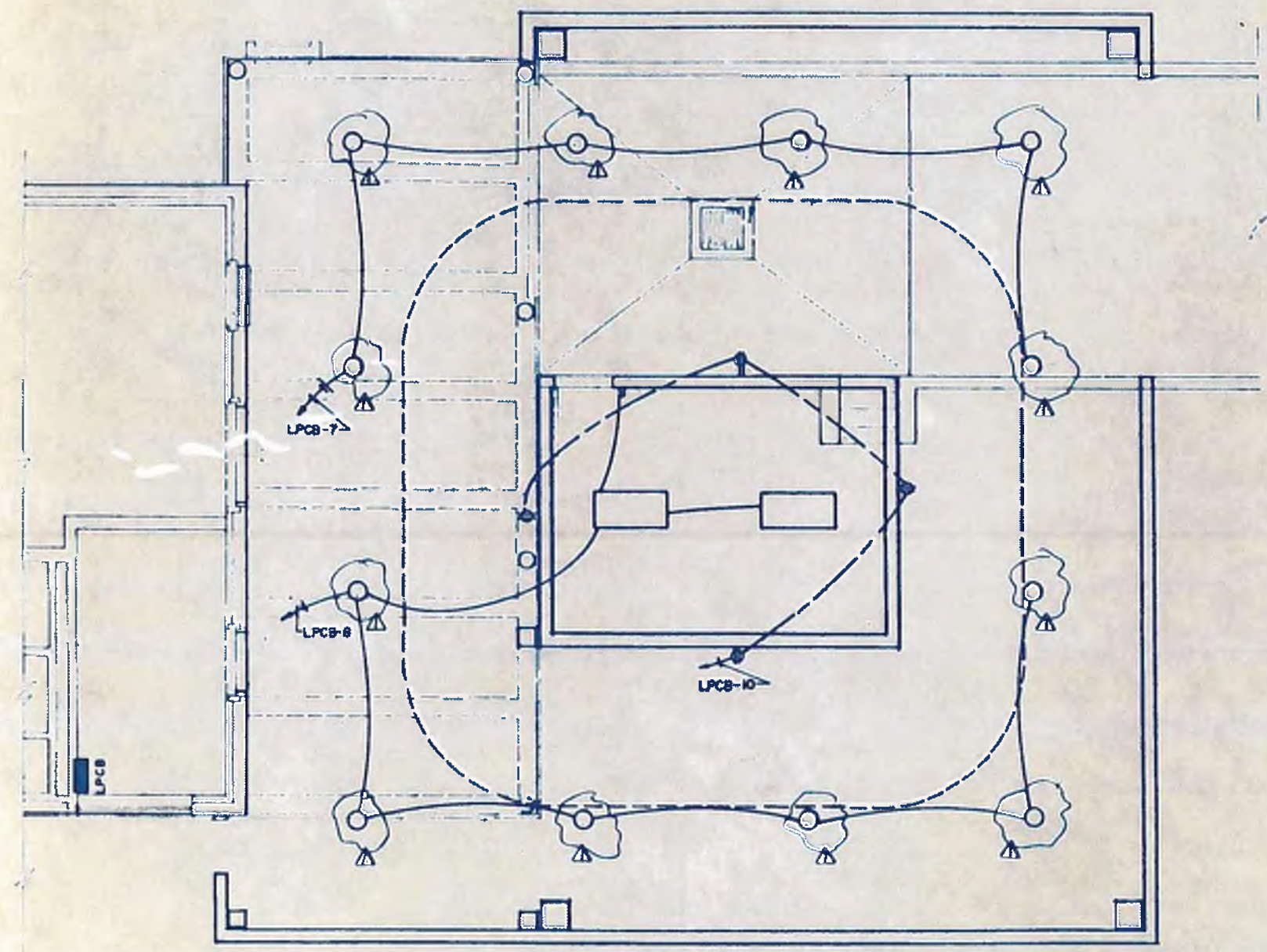
LAND LOT	DISTRICT	COUNTY

DESIGN: ZLR APPROVED
DRAWN: ZLR
CHECKED: GJR SCALE: 3/16" = 1'-0" DATE: 30 MAY 82

APPROVED: _____ SHEET NO. 148
DRAWING NO. 4-E-22

44001/CS

- LEGEND
- DUST, MOISTURE & CORROSION RESISTANT - 4" TYPICAL - ELECTRIC MOUNTED, 150 WATT BENJAMIN TYPE CAT NO XKS-10-12-00
 - DUST, MOISTURE & CORROSION RESISTANT - 4" TYPICAL - 2' x 4' REEF
 - ▭ FLUORESCENT LUMINAIRE, SURFACE MOUNTED 11T WAKEFIELD
 - ⊕ 110 VOLT 2" CORROSION RESISTANT RECEPTACLE WITH GASKETED COVERS



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**INTRENCHMENT CREEK PLANT MODIFICATIONS
 LIGHTING AND RECEPTACLE LAYOUT
 CHLORINE BUILDING**

NO.	DATE	BY	DESCRIPTION
1	5/1/82	ZLR	ADDED CAT NO. DELETED / BOX AND 3

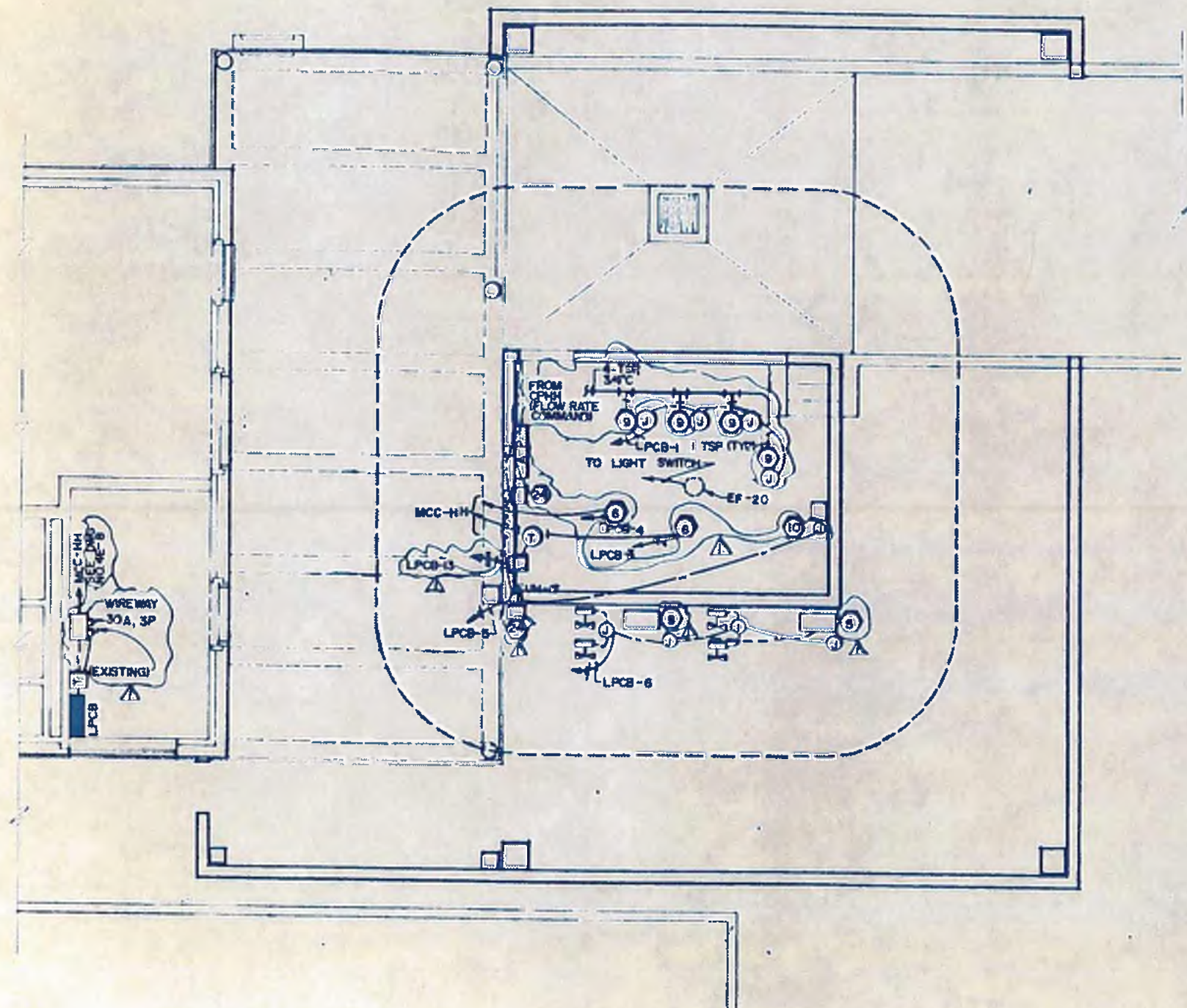
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

DESIGNER: KRW
 CHECKER: KRW
 SCALE: 1/8" = 1'-0"
 DATE: 10 MAY 82

LAND LIST: APPROVED
 DISTRICT: COUNTY: SHEET NO.: **149**
 DRAWING NO.: 4 E-23

4A001/CE



LEGEND

- LIGHTING PANEL 120/208 VOLTS
- ▲ P ALARM PANEL
- T TRANSFORMER
- JUNCTION BOX
- ⊖ 8000 POUNDS PER DAY EVAPORATOR
- ⊖ 4000 POUNDS PER DAY CHLORINATOR
- ⊖ MOTORIZED BALL VALVE
- ⊖ NON-FUSIBLE DISCONNECT
- EF-20 ELECTRIC FAN
- EH ELECTRIC HEATER
- ⊖ 10 WALL MOUNTED CHLORINATOR
- ⊖ 24 CHLORINE LEAK DETECTOR
- ⊖ T THERMOSTAT

NOTES

1. ALL CONDUITS IN CHLORINE BUILDING SHALL BE PVC.
2. MINIMUM SIZE CONDUCTOR FOR LIGHTING AND POWER SHALL BE #12 AND FOR CONTROL SHALL BE #14.
3. CONDUCTOR FOR GENERAL WIRING, WIRING METHODS AND GROUNDING SHALL BE IN ACCORDANCE WITH CODE.



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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER LAYOUT
CHLORINE BUILDING

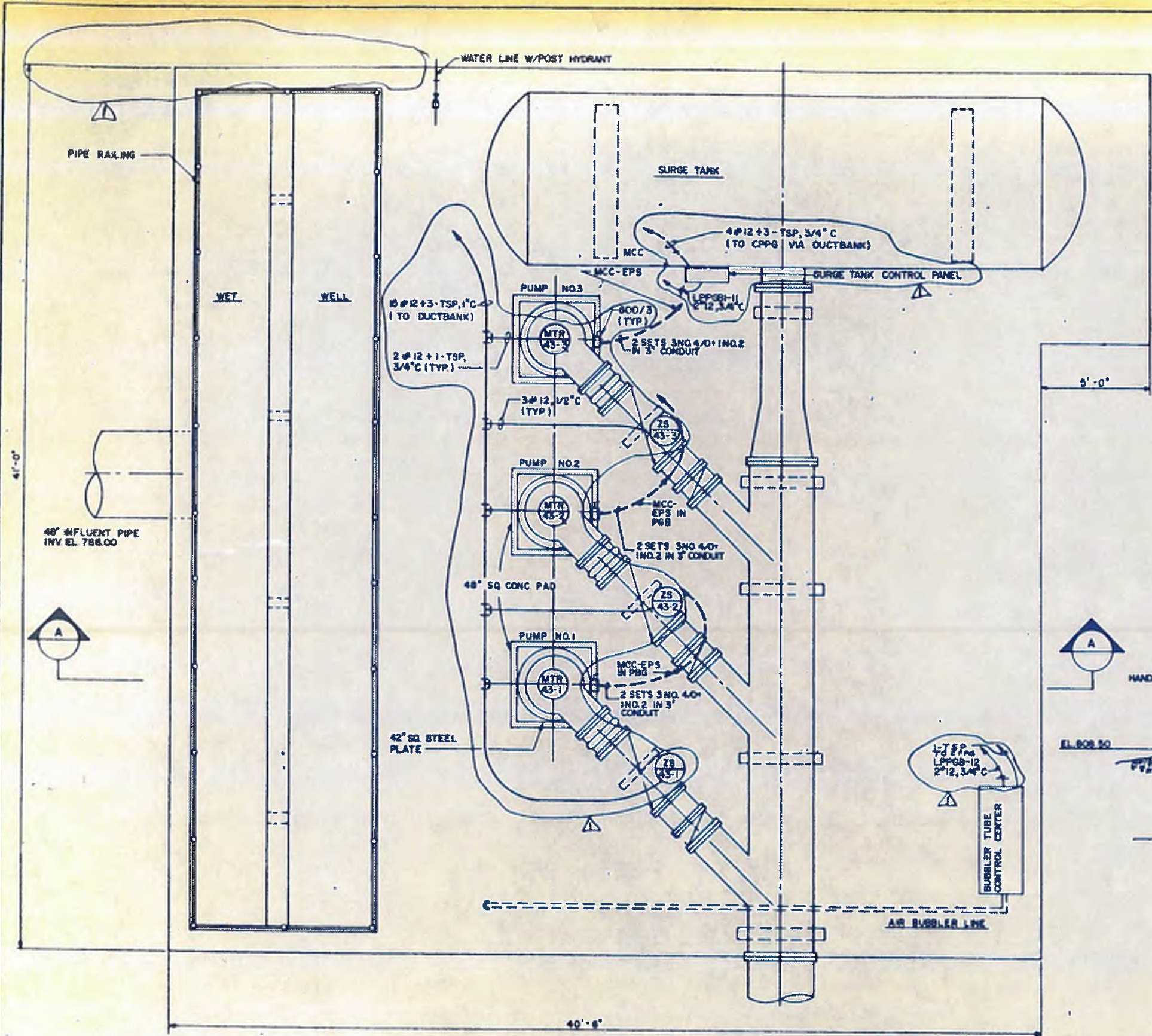
DRGN: KRW APPROVED: [Signature]
 CHDR: KRW SCALE: 1/8" = 1'-0" DATE: 10, MAY 82

KRW REVISION AS NOTED		ADD. NO.
NO.	DATE	BY
DESCRIPTION		
PLACES		

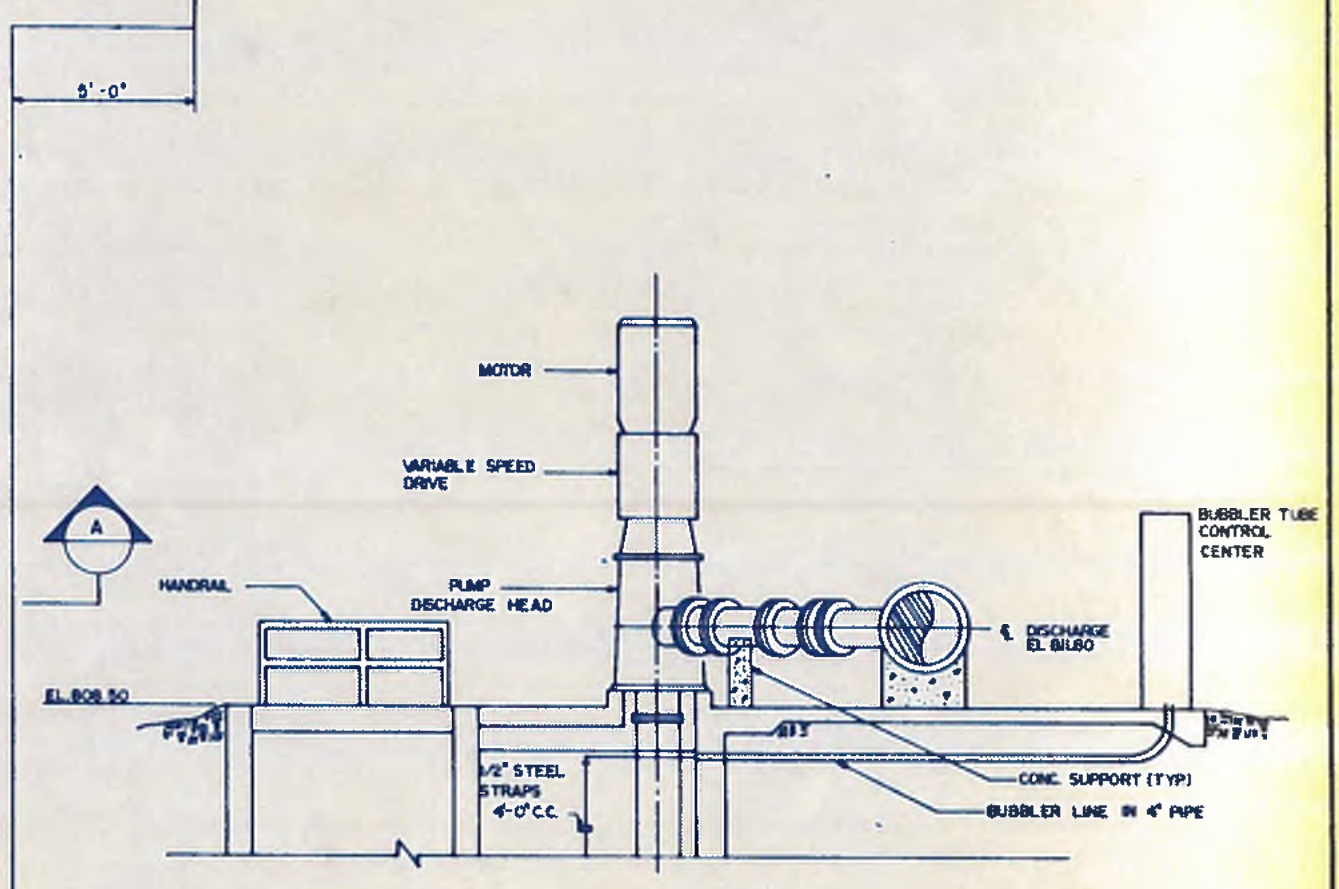
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LIT	DISTRICT	COUNTY
APPROVED		
DRAWING NO. 4E-24		SHEET NO. 150



PLAN
SCALE 3/8"=1'-0"



SECTION A-A
SCALE 1/4"=1'-0"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
EFFLUENT PUMPING STATION
POWER LAYOUT

NO.	DATE	BY	DESCRIPTION	APP. NO.	PLACE
1			REVISION		

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

DESIGN	KRW	APPROVED
DRAWN	LT	
CHECKED	KRW	SCALE

LAND LOT	DISTRICT	COUNTY
APPROVED		
DRAWING NO.	41-25	SHEET NO.

LIGHTING PANELBOARD LPAB1 IN ADMINISTRATION BUILDING 1st FLOOR
 208/120 VOLTS - 3Ø 4W 200 AMP MAINS - 60 AMP MCB
 INTERRUPTING CAPACITY - ALL BREAKERS - 10,000 AMPS RMS SYN.

SERVICE	LOAD VA	WIRE SIZE CND	TRIP AMPS	CKT NO.	A	B	C	CKT NO.	TRIP AMPS	WIRE SIZE CND	LOAD VA	SERVICE
RECEPTACLE	1000	12 3/4"	20	1				2	20	12 3/4"	1000	RECEPTACLE
RECEPTACLE	1000	12 3/4"	20	3				4	20	12 3/4"	1000	RECEPTACLE
RECEPTACLE	1000	12 3/4"	20	5				6	20	12 3/4"	1000	RECEPTACLE
LIGHTING	1040	12 3/4"	20	7				8	20	12 3/4"	1040	LIGHTING
LIGHTING	1200	12 3/4"	20	9				10	20	12 3/4"	1200	LIGHTING
LIGHTING	1280	12 3/4"	20	11				12	20	12 3/4"	1280	LIGHTING
1/2 HP PUMP & C	500	12 3/4"	20	13				14	20	12 3/4"	500	1/2 HP A/C PUMP
SPARE				15				16	20			SPARE
SPARE				17				18	20			SPARE

LOAD CONNECTED TO A = 8,800
 LOAD CONNECTED TO B = 4,800
 LOAD CONNECTED TO C = 4,200
 TOTAL CONNECTED LOAD = 14,870

① CIRCUITS TO BE PROVIDED WITH GROUND FAULT INTERRUPTER

LIGHTING PANELBOARD LPAB2 IN ADMINISTRATION BUILDING 1st FLOOR
 208/120 VOLTS - 3Ø 4W 200 AMP MAINS - 60 AMP MCB
 INTERRUPTING CAPACITY - ALL BREAKERS - 10,000 AMPS RMS SYN.

SERVICE	LOAD VA	WIRE SIZE CND	TRIP AMPS	CKT NO.	A	B	C	CKT NO.	TRIP AMPS	WIRE SIZE CND	LOAD VA	SERVICE
WATER COOLER	600	12 3/4"	20	1				2	20	12 3/4"	5640	LIGHTING PANEL LPAB-1
EXHAUST FAN # 1 LOCKER ROOM	120	12 3/4"	20	3				4	20	12 3/4"	4640	
RECEPTACLE	600	12 3/4"	20	5				6	20	12 3/4"	4280	
ELEVATOR CAR LIGHT & ALARM	200	12 3/4"	20	7				8	20	12 3/4"	200	ELEVATOR CAR PUMP
RECEPTACLE	600	12 3/4"	20	9				10	20	12 3/4"	500	FIRE TRANSMITTER
SHOP AREA EXISTING PANEL	12000	100	100	11				12	100	100	8950	LIGHTING PANEL LPAB3
	12000	100	100	13				14	100	100	10150	
	12000	100	100	15				16	100	100	8470	
SPARE				17				18	20	12 3/4"	200	FIRE ALARM RECEPTACLE
CONTROL PANEL DPF	1920	12 3/4"	20	19				20				SPARE
MOTORIZED DOOR	200	12 3/4"	20	21				22				
SPACE				23				24				

LOAD CONNECTED TO A = 30,860
 LOAD CONNECTED TO B = 26,350
 LOAD CONNECTED TO C = 26,020
 TOTAL CONNECTED LOAD = 83,415

LIGHTING PANELBOARD LPAB 3 IN ADMINISTRATION BUILDING 2nd FLOOR
 208/120 VOLTS - 3Ø 4W 100 AMP MAINS 100 AMP MCB
 INTERRUPTING CAPACITY - ALL BREAKERS 10,000 AMPS RMS SYN.

SERVICE	LOAD VA	WIRE SIZE CND	TRIP AMPS	CKT NO.	A	B	C	CKT NO.	TRIP AMPS	WIRE SIZE CND	LOAD VA	SERVICE
RECEPTACLES	900	12 3/4"	20	1				2	20	12 3/4"	900	RECEPTACLE
	900	12 3/4"	20	3				4	20	12 3/4"	900	
	900	12 3/4"	20	5				6	20	12 3/4"	720	
	540	12 3/4"	20	7				8	20	12 3/4"	1040	LIGHTING
LIGHTING	1440	12 3/4"	20	9				10	20	12 3/4"	1360	
P.A. SYSTEM AMPLIFIER	700	12 3/4"	20	11				12	20	12 3/4"	800	WATER COOLER
SUPERVISORY COMPUTER POWER SUPPLY	5000	10 3/4"	30	13				14	20	12 3/4"	550	EF-17
	5000	10 3/4"	30	15				16	20	12 3/4"	550	EF-18
	5000	10 3/4"	30	17				18	20	12 3/4"	850	EF-19
SPARE				19				20	20			SPARE
				21				22	20			
				23				24	20			

LOAD CONNECTED TO A = 8,800
 LOAD CONNECTED TO B = 10,150
 LOAD CONNECTED TO C = 8,470
 TOTAL CONNECTED LOAD = 27,820

① CIRCUITS TO BE PROVIDED WITH GROUND FAULT INTERRUPTER

POWER PANELBOARD LPAB1 IN ADMINISTRATION BUILDING 1st FLOOR
 480 VOLTS, 3Ø 3 WIRE 60 AMP MAINS 60 AMP NON-AUTO MCB
 INTERRUPTING CAPACITY - ALL BREAKERS 25,000 AMPS RMS SYN.

SERVICE	LOAD VA	WIRE SIZE CND	TRIP AMPS	CKT NO.	A	B	C	CKT NO.	TRIP AMPS	WIRE SIZE CND	LOAD VA	SERVICE
POLYMER MIXERS	1400	12 3/4"	15	1				2	15	12 3/4"	1400	POLYMER MIXERS
	1400	12 3/4"	15	3				4	15	12 3/4"	1400	
	1400	12 3/4"	15	5				6	15	12 3/4"	1400	
POLYMER FEED PUMPS	1500	12 3/4"	15	7				8	15	12 3/4"	1660	POLYMER FEED PUMPS
	1300	12 3/4"	15	9				10	15	12 3/4"	1660	
	1300	12 3/4"	15	11				12	15	12 3/4"	1660	
HIGH MAST LIGHTING POST #1	2000	10 3/4"	15	13				14	30	10 3/4"	6445	MOTOR OPERATED VALVE
	2000	10 3/4"	15	15				16	30	10 3/4"	6445	
	2000	10 3/4"	15	17				18	30	10 3/4"	6445	
SPARE				19				20	15			
				21				22	15			
				23				24	15			

LOAD CONNECTED TO A = 14,280
 LOAD CONNECTED TO B = 14,280
 LOAD CONNECTED TO C = 14,280
 TOTAL CONNECTED LOAD = 42,870



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TRENCHMENT CREEK PLANT MODIFICATIONS
 PANELBOARD SCHEDULES
 ADMINISTRATION BUILDING

DATE 10, MAY 1992

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVER WATER QUALITY MANAGEMENT PLANS

REV LPAB 2

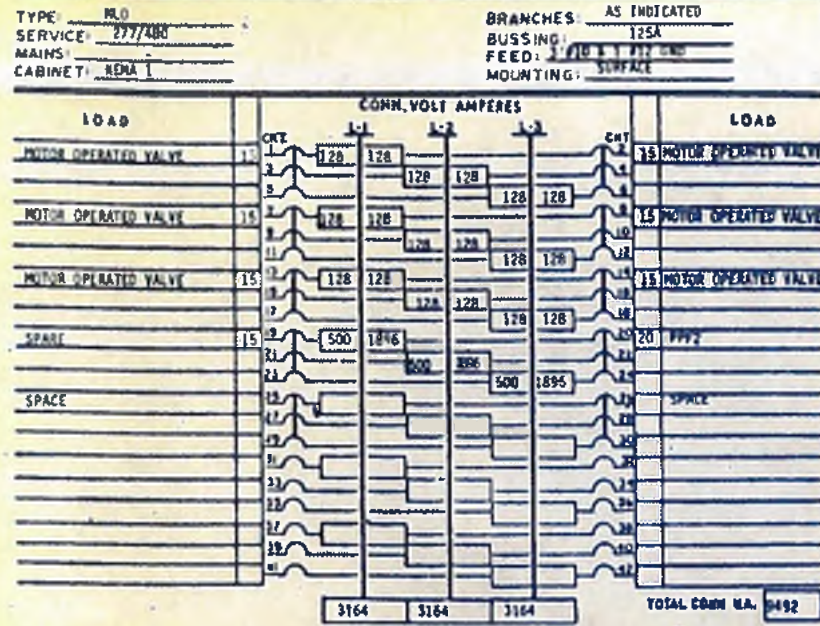
DATE 10, MAY 1992

SCALE N.T.S.

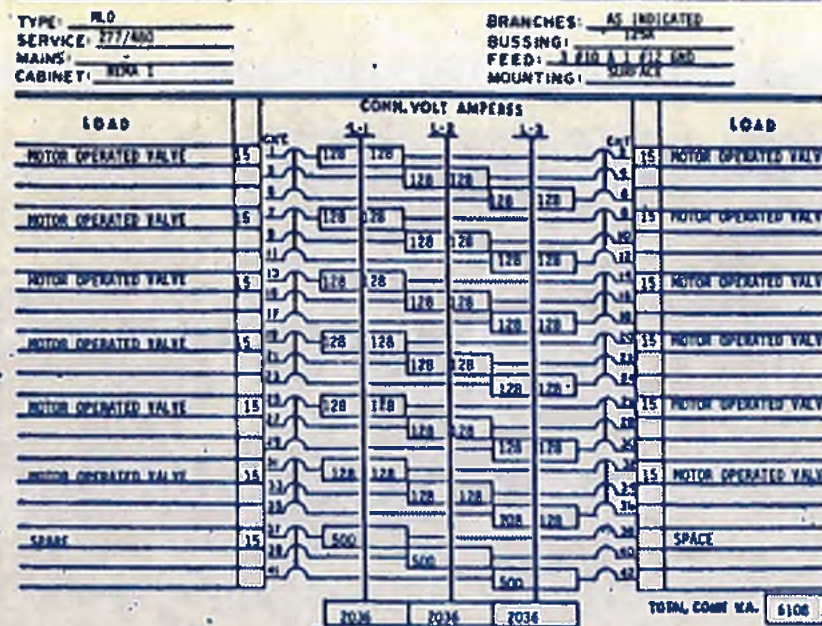
4E-26

152

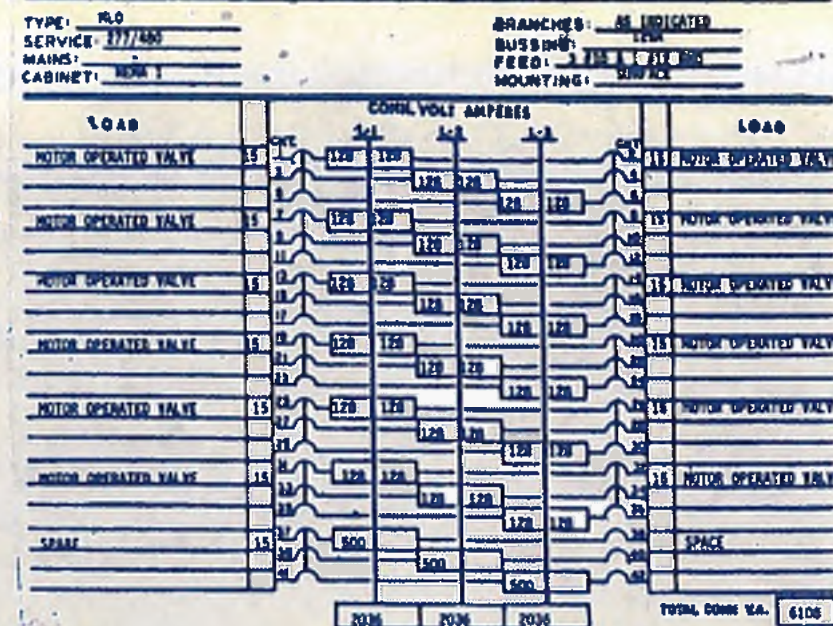
PANELBOARD PPE1



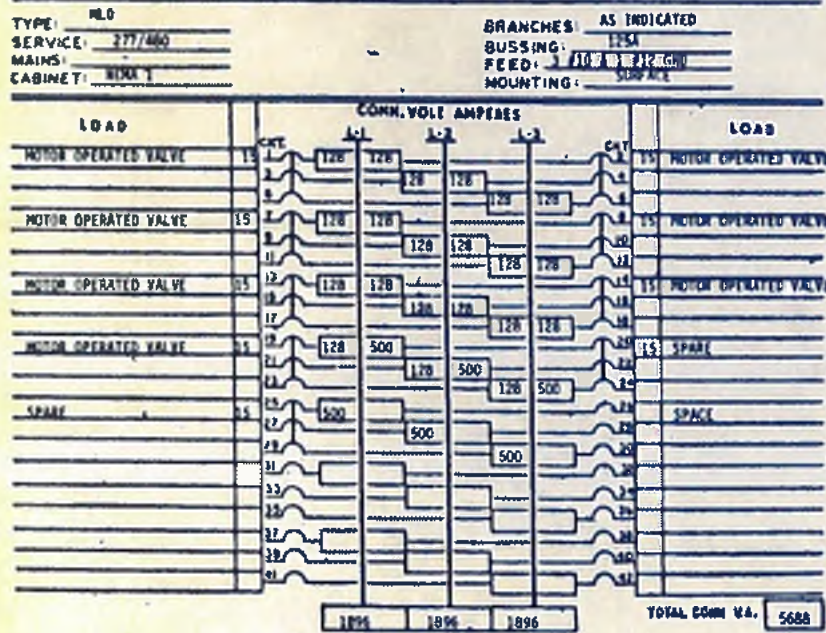
PANELBOARD PPE2



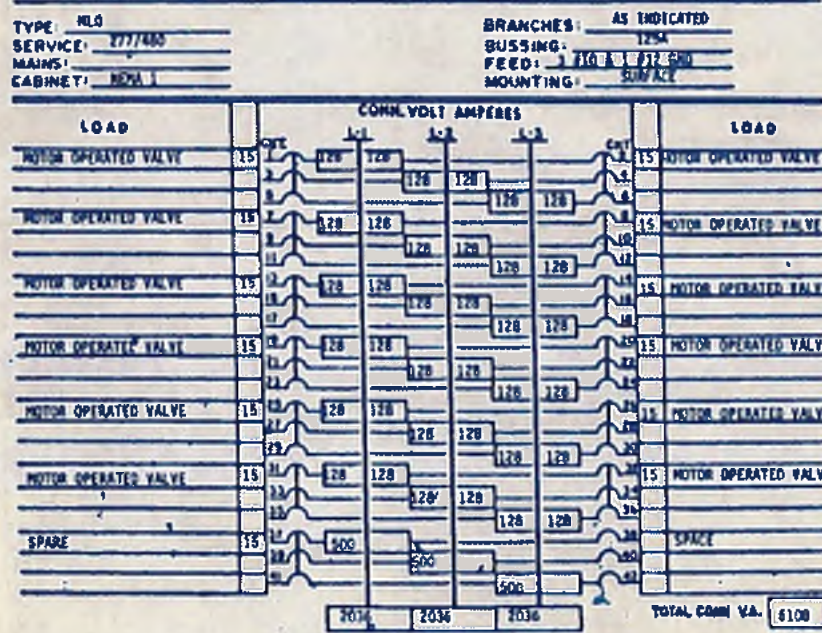
PANELBOARD PPE3



PANELBOARD PPE4



PANELBOARD PPE5

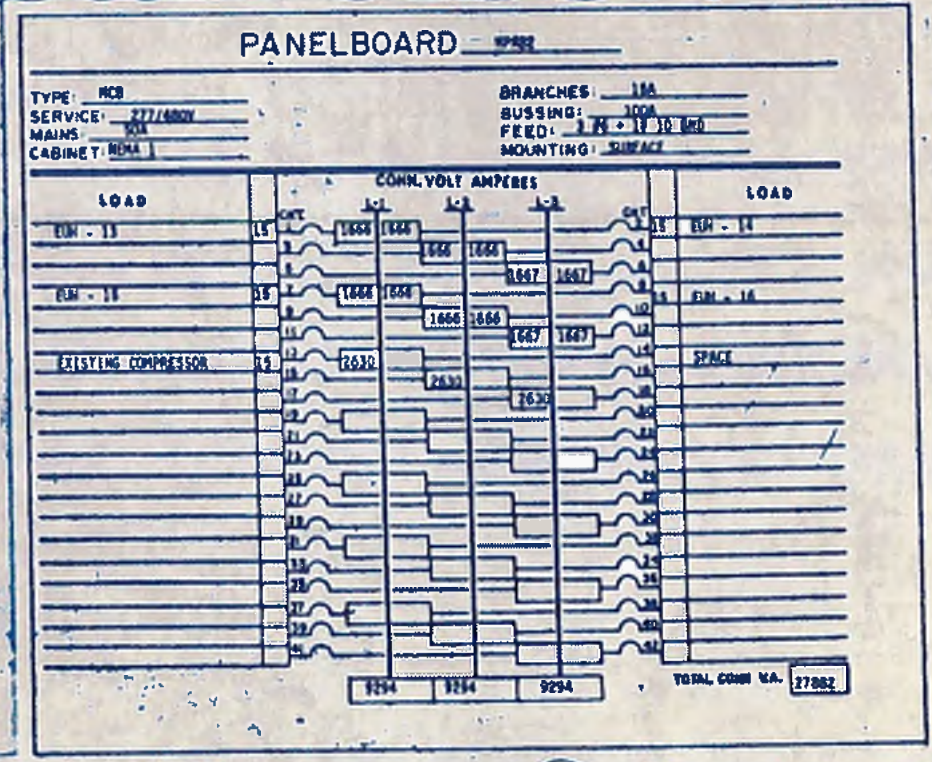
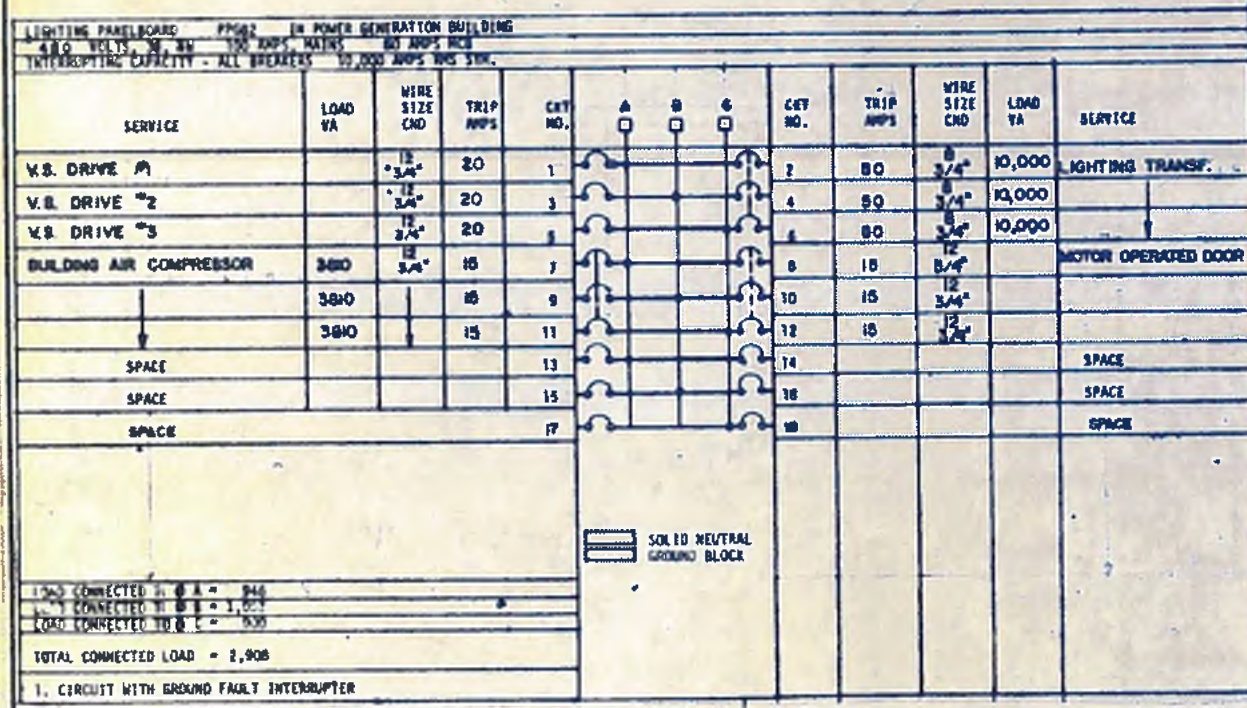
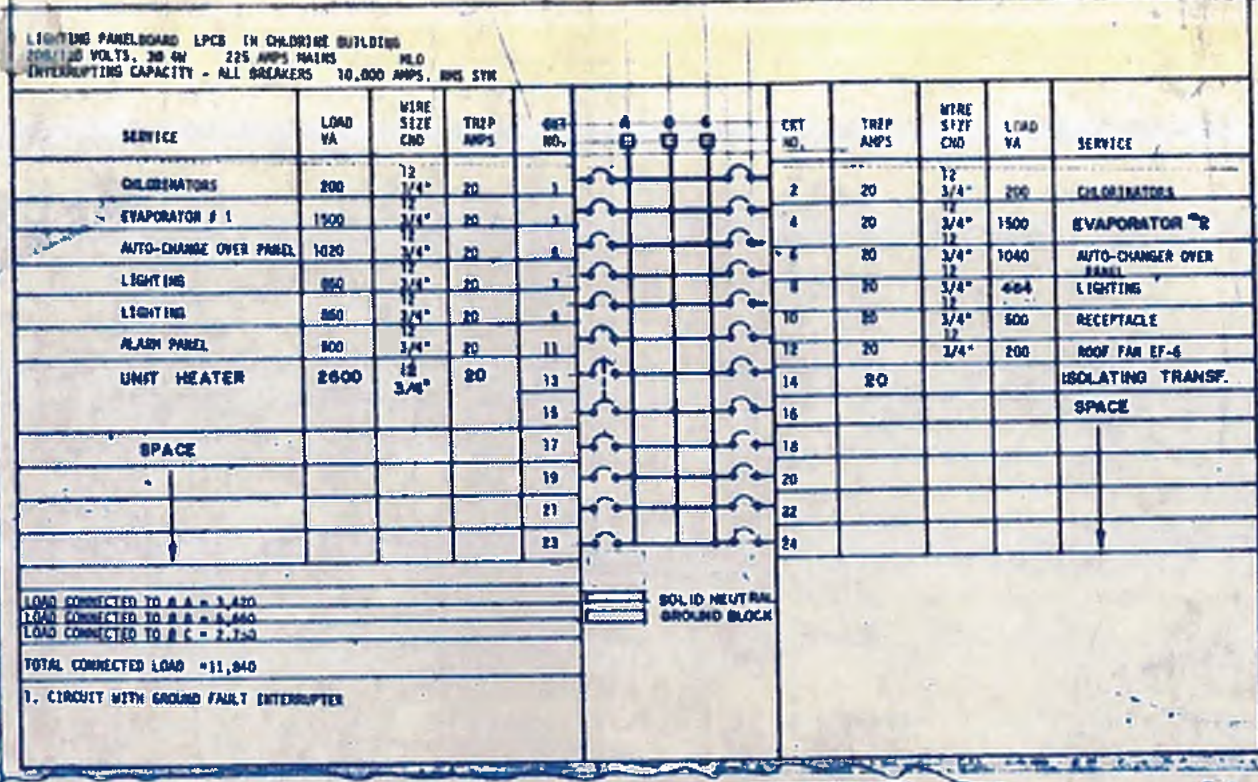
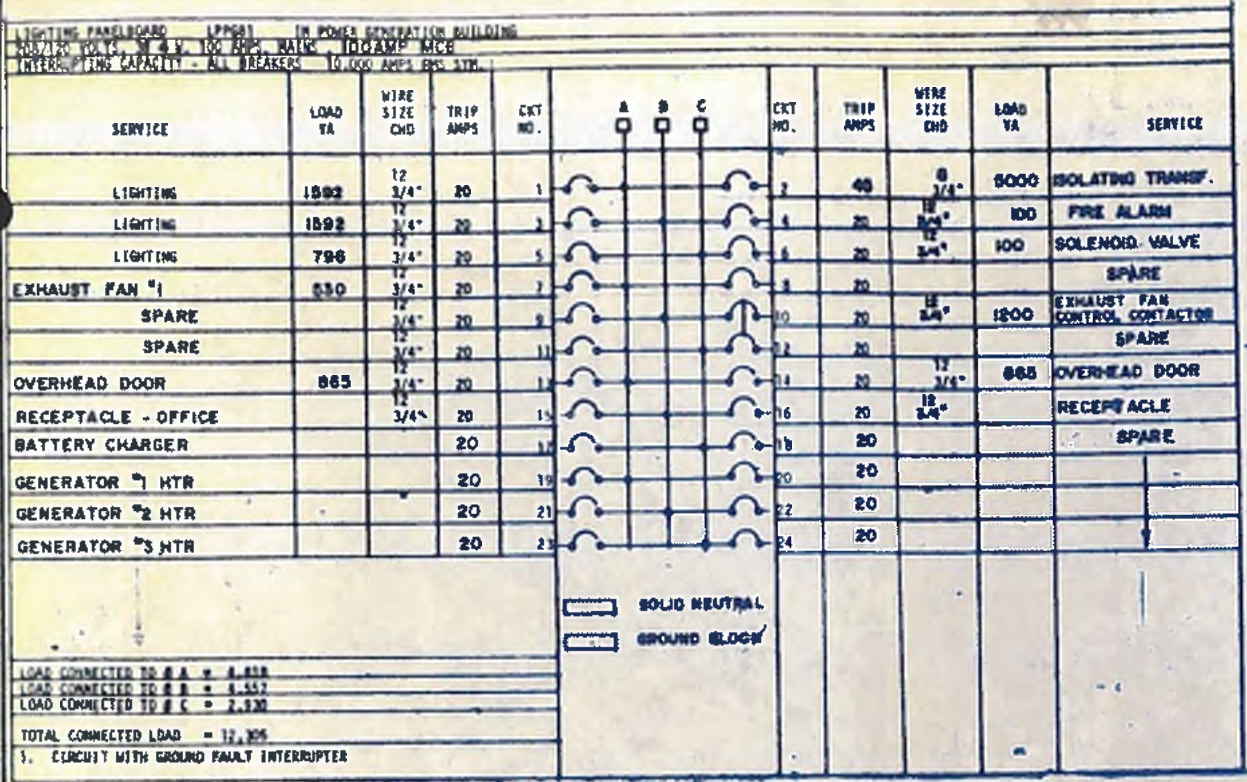


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INTRENCHMENT CREEK PLANT MODIFICATIONS
PANELBOARD SCHEDULES

NO.	DATE	BY	DESCRIPTION	PLACES
REVISIONS				
 CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF POLLUTION CONTROL				
THREE RIVERS WATER QUALITY MANAGEMENT PLANS				
LAND LOT	DISTRICT		COUNTY	
APPROVED			SHEET NO.	
DATE	SCALE		153	

DATE: 10 MAY 1982
SCALE: N.T.S.

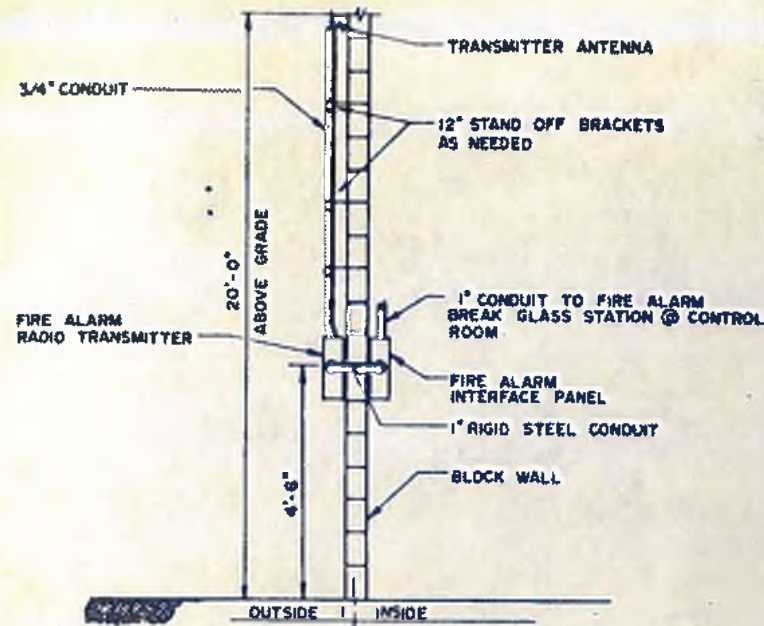


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INTRENCHMENT CREEK PLANT MODIFICATIONS
PANELBOARD SCHEDULES

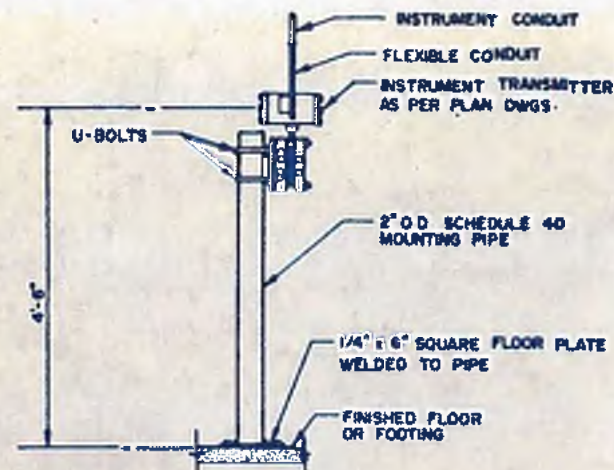
DATE: 10, MAY 1992
 DRAWN: KRW
 CHECKED: KRW
 APPROVED: KRW

DATE: 10, MAY 1992	BY: KRW	DESCRIPTION: ADDED PANEL #PAB2	APPENDIX: 3
APPROVED: [Signature]		REVISION:	PLACE:
CITY OF ATLANTA DEPARTMENT OF ENVIRONMENT & STREET BUREAU OF POLLUTION CONTROL			
THREE RIVERS WATER QUALITY MANAGEMENT PLAN			
DATE: 10, MAY 1992	BY: KRW	DESCRIPTION: ADDED PANEL #PAB2	APPENDIX: 3
APPROVED: [Signature]		REVISION:	PLACE:
154			



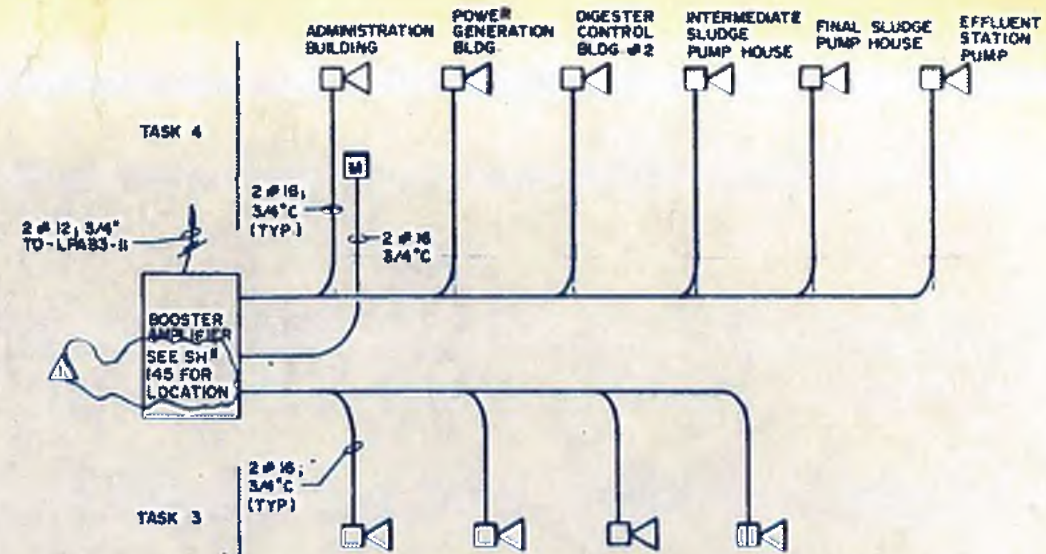
DETAIL 1

FIRE ALARM SIGNALING & INTERFACE DEVICES LOCATED @ ADMINISTRATION BLD.

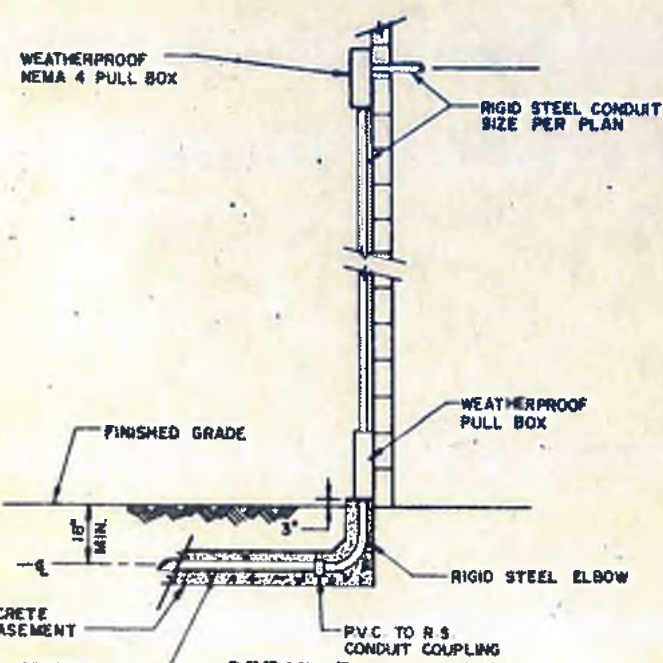


DETAIL 2

INSTRUMENT TRANSMITTER MOUNTING

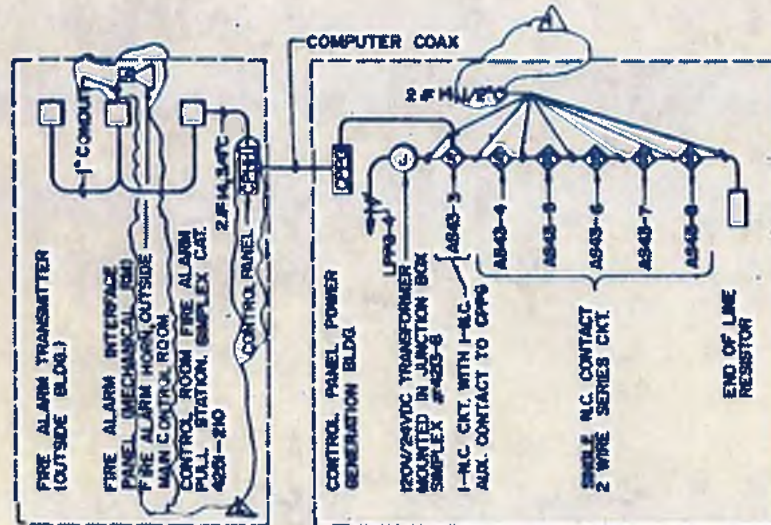


P.A. SYSTEM RISER



DETAIL 3

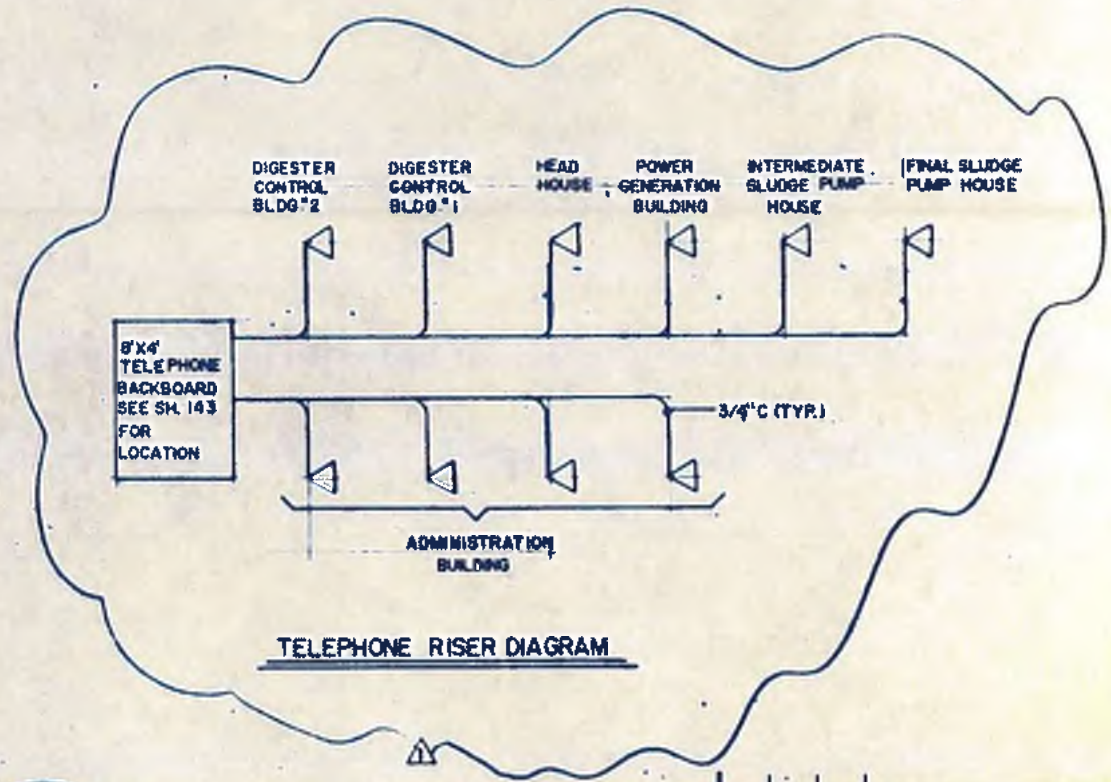
TYPICAL UNDERGROUND TO OVERHEAD TRANSITION



ADMINISTRATION BUILDING
4E17, 4E18

POWER GENERATION BUILDING
4E20

FIRE ALARM RISER DIAGRAM



TELEPHONE RISER DIAGRAM



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INTRENCHMENT CREEK PLANT MODIFICATIONS
MISCELLANEOUS DETAILS

NO.	DATE	BY	DESCRIPTION	REVISIONS
2			CHANGE MGR TO CPH AND NORM	ADD. NO. 4
1			ADDED TELEPHONE RISER	ADDENDUM 3

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETWORKS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

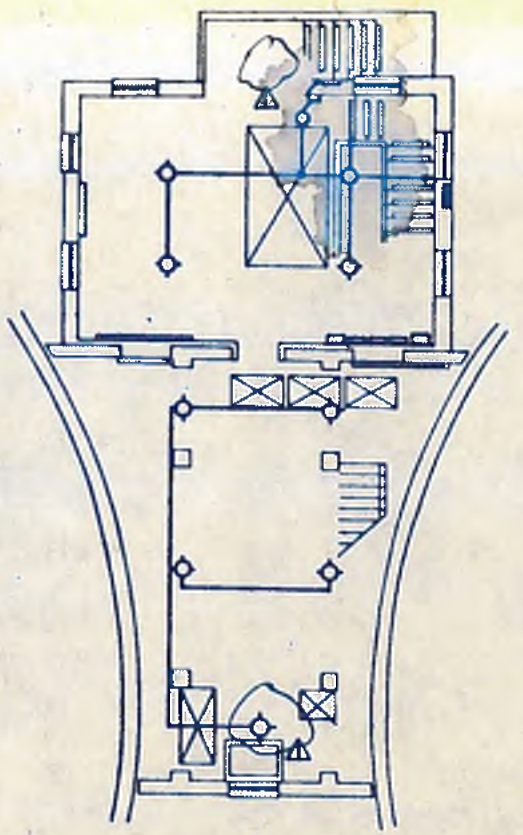
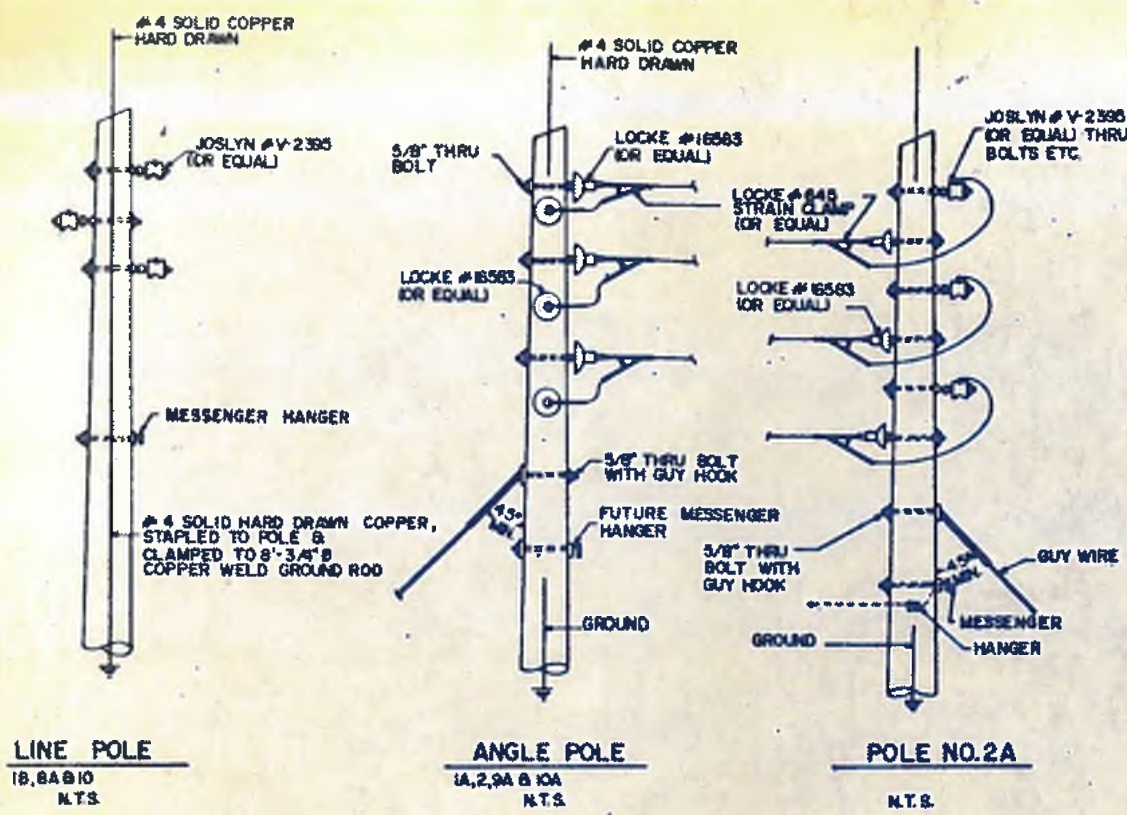
LAND LOT: _____ DISTRICT: _____ COUNTY: _____

APPROVED: _____ DATE: 10, MAY 1982

DRAWING NO. 4E-30

156

- NOTES**
- CONTRACTOR SHALL REPLACE ALL EXISTING EXPLOSION-PROOF INCANDESCENT FIXTURES WITH 100W HIGH PRESSURE SODIUM LUMINAIRE. LIGHTING FIXTURES SHALL BE BENJAMIN TYPE, CAT. NO. XKB-100-1200 OR EQUAL.
 - POLE PLANTING DEPTH SHALL NOT BE LESS THAN 1/8TH POLE OVERALL HEIGHT.
 - FOR LAYOUT OF OVERHEAD LINES AND UNDERGROUND DISTRIBUTION SYSTEM REFER DWG. 4E-1.

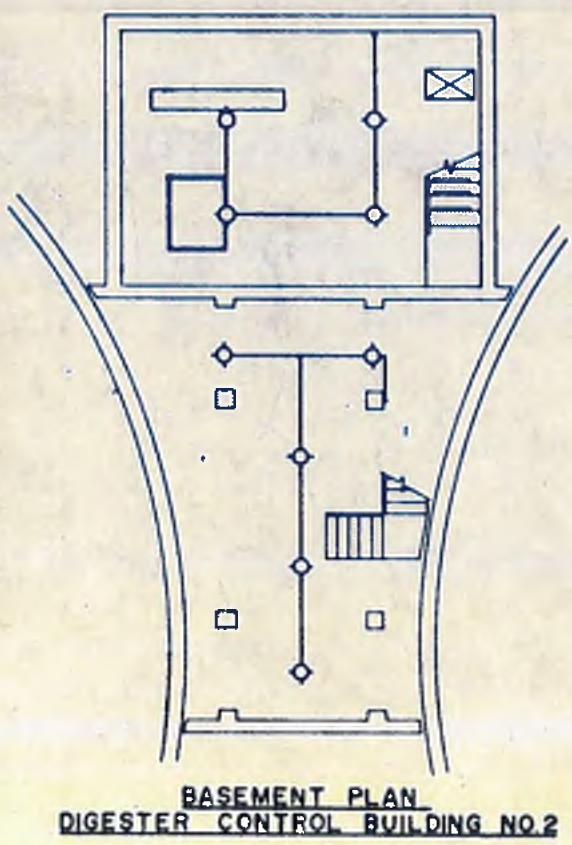


STRINGING SAG TABLE
400MCM STRANDED BARE HARD DRAWN COPPER
DEGREES θ AND INCHES

SPAN FT	θ DEG	15°	30°	45°	60°	75°	90°	105°	120°
80		7"	8"	10"	11"	12"	14"	15"	16"
90		8"	11"	13"	14"	16"	17"	18"	20"
100		12"	14"	16"	18"	19"	21"	23"	25"
110		14"	15"	18"	21"	24"	26"	28"	30"
120		17"	20"	23"	25"	28"	30"	33"	35"
130		19"	23"	27"	29"	33"	35"	37"	45"
TENSION		1567	1349	1178	1052	954	878	818	765

1/4" STEEL MESSENGER WITH CABLE

100	35"	5"	6"	7"
125	75"	9"	10.5"	11.5"
150	13"	17"	19"	21"



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INTRENCHMENT CREEK PLANT MODIFICATIONS
POWER LINE DETAILS
ELECTRICAL DISTRIBUTION SYSTEM

NO.	DATE	BY	DESCRIPTION	PLACE
1	5/1/82	KRW	NOTE NO. 1 & NO. OF FIXTURES	ADD NO. 3

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

DESIGN: *GRW* APPROVED: _____
DRAWN: *HR*
CHECKED: *KRW* SCALE: N.T.S. DATE: 10, MAY 1982

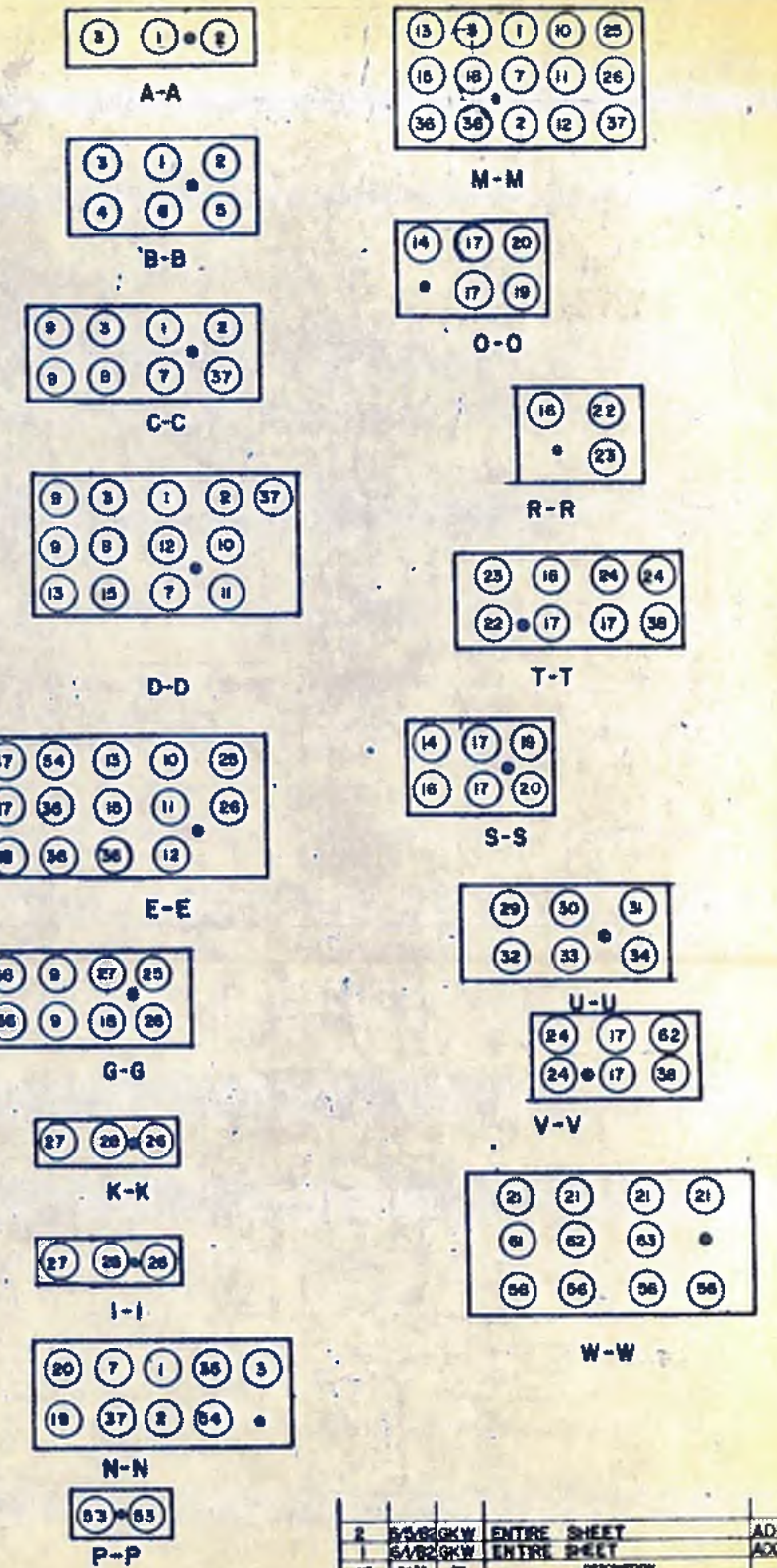
LAND LOT: _____ SHEET: _____
DRAWING NO.: 4E-34

157

CABLE & CONDUIT SCHEDULE

REF. NOS.	FROM	TO	CONDUIT		WIRE			REMARKS	
			SIZE	TYPE	POWER SIZE	CONTROL NO.	END		
1	TASK 4 BOUNDARY	5KV SWITCHGEAR	4"	PVC	500	3	12 AWG	5KV FEEDERS	
2	TASK 4 BOUNDARY	5KV SWITCHGEAR	4"					SPARE	
3	TASK 4 BOUNDARY	5KV SWITCHGEAR	2"				10	CONTROL	
4	ISPH	FSPH	2"					TELEPHONE	
5	FSPH	ISPH	2"		14 AWG	3		480V FEEDERS	
6	FSPH	ISPH (CPRP)	3"				120	I-TSP INC.	
7	5KV SWITCHGEAR	ISPH	2"		4 AWG	3		5KV FEEDERS	
8	ISPH	DCB1	2"					TELEPHONE	
9	ISPH, CPRP	DCB1, CPDH	2 1/2"					COAX (2 CONDUITS)	
10	EPS (EFFLUENT PUMP STA.)	PGB (POWER GEN. BLDG.)	3"	PVC	4 AWG	3		480V FEEDERS	
11	EPS	PGB	3"		4 AWG	3		480V FEEDERS	
12	EPS	PGB	3"		4 AWG	3		480V FEEDERS	
13	EPS	PGB (CPPG)	2"			18	20	7-TSP INC.	
14	HEAD HOUSE	PGB	2"					TELEPHONE	
15	EPS	PGB	2"					TELEPHONE	
16	INCOMING SERVICE	ADMIN. BLDG.	4"					TELEPHONE	
17	PGB, CPPG	ADMIN. BLDG., MCP	2"					COAX	
18	DCB #1	PGB	2"					RUNS AS REF. IN SECTION 10 BECOMES IS IN SECTION 11 (TELE.)	
19	5KV SW. GR.	HEAD HOUSE	2"					SPARE	
20	5KV SW. GR.	HEAD HOUSE	4"	PVC	4 AWG	3		5KV FEEDER	
21	CENTRIFUGE BLDG.	POLYMER RM.	1/4"					DFF CONTROL (CONDUITS)	
22	HEAD HOUSE	ADMIN. BLDG., MCC	4"		4 AWG	3		480V FEEDER	
23	HEAD HOUSE	ADMIN. BLDG., MCC	4"					SPARE	
24	HEAD HOUSE, CPHH	ADMIN. BLDG., MCP	2 1/2"					COAX	
25	PGB (MCC EPS)	DCB #1	4"		4 AWG	3		480V FEEDER	
26	DCB #2	PGB, MCC EPS	4"		4 AWG	3		480V FEEDER	
27	DCB-1	DCB-2	2"					TELEPHONE	
28	CPDN	DCB #2	3"	PVC		12	120	6-TSP INC.	
29	1500 KVA TRANSF.	PGB	4"		4 AWG	3		480V FEEDER	
30	1500 KVA TRANSF.	PGB	4"		4 AWG	3		480V FEEDER	
31	1500 KVA TRANSF.	PGB	4"		4 AWG	3		480V FEEDER	
32	1500 KVA TRANSF.	PGB	4"		4 AWG	3		480V FEEDER	
33	1500 KVA TRANSF.	PGB	4"					SPARE	
34	1500 KVA TRANSF.	PGB	4"					SPARE	
35	5KV SW. GR.	PGB, CPPG	2"			12	10	6-TSP INC.	
36	DCB-1, CPDH	PGB, CPPG	2 1/2"					COAX (2-CONDUITS)	
37	5KV SW. GR.	ISPH	2"					SPARE	
38	ADMIN. BLDG.	HEAD HOUSE	2"	PVC				TELEPHONE	
39	GENERATOR SWR	CONTROL BATTERIES	1"	RGS	10 AWG	2		24 VDC	
40	GENERATOR SWR	WASTE HEAT RECOVERY	1"		10 AWG	2		24 VDC	
41	GENERATOR SWR	TURBINE/GEN SET	1"		10 AWG	2		5A AC	
42	TURBINE/GEN SET	SPACE HEATER	1"		10 AWG	2			
43	GENERATOR SWR	TURBINE/GEN SET	1"		10 AWG	2		63 VDC	
44	GENERATOR SWR	TURBINE/GEN SET	3"		3 AWG	3		480V FEEDER (3 SETS)	
45	GENERATOR SWR	TURBINE/GEN SET	3"		3 AWG	3		480V FEEDER	
46	COMPRESSOR CONTROL PANEL	DIGESTER GAS TRANSFER COMP	3"		3 AWG	3		480V FEEDER, 30	
47	COMPRESSOR CONTROL PANEL	FUEL GAS BOOSTER COMP	1"		14 AWG	6		24 VDC	
48	GENERATOR SWR		1"		14 AWG	4		24 VDC	
49	GENERATOR SWR	TURBINE/GEN. SET	1"		14 AWG	2		IGNITER EXCITER	
50	GENERATOR SWR	TURBINE/GEN. SET	1"		14 AWG	2		24 VDC & TSP X 6	
51	GENERATOR SWR	TURBINE/GEN SET	1"		14 AWG	16	16	24 VDC	
52	MCC PGB	COMPRESSOR CONTROL PANEL	2 1/2"		4 AWG	3		480 V FEEDER	
53	TUNNEL PUMP STA.	CPRP	2 1/2"	PVC				COAX (2-CONDUITS)	
54	MASTER CUBICLE-MSB, PGB	5KV SW GR	1 1/2"	PVC	4 AWG	3		CONTROL POWER	
55	MCC PGB-A	COOLING WATER PUMP	1"	PVC	12 AWG	3		12	
56	CENTRIFUGE BLDG.	MCP, MAIN CONTROL RM.	1/2"	PVC				MCP H. CONDUITS	
57									
58	MCC - PGB - A	FUEL GAS BOOSTER COMP	1"	PVC	12 AWG	3		12	LUBE OIL COOLER
59	MCC - PGB - A	FUEL GAS BOOSTER COMP	1"	PVC	12 AWG	3		12	LUBE OIL COOLER
60	MCC - PGB - A	STORAGE TANK TRANSF. PMR	1"	PVC	12 AWG	3		12	
61	CENTRIFUGE BLDG.	MAIN CONTROL RM.	2"	PVC					P.A. SYSTEM
62	CENTRIFUGE BLDG.	TELEPHONE BACKBOARD	2"	PVC					
63	CENTRIFUGE BLDG.	MAIN CONTROL RM.	4"	PVC					CCTV CONTROLLER

NOTE:
 @ INDICATES #4-0 BARE COPPER CABLE



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INTRENCHMENT CREEK PLANT MODIFICATIONS
 CABLE & CONDUIT SCHEDULE

DATE: 10, MAY 1982

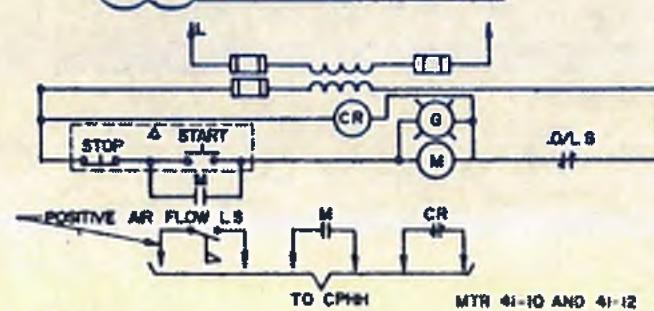
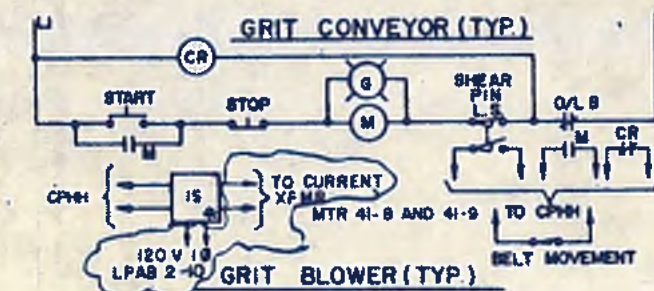
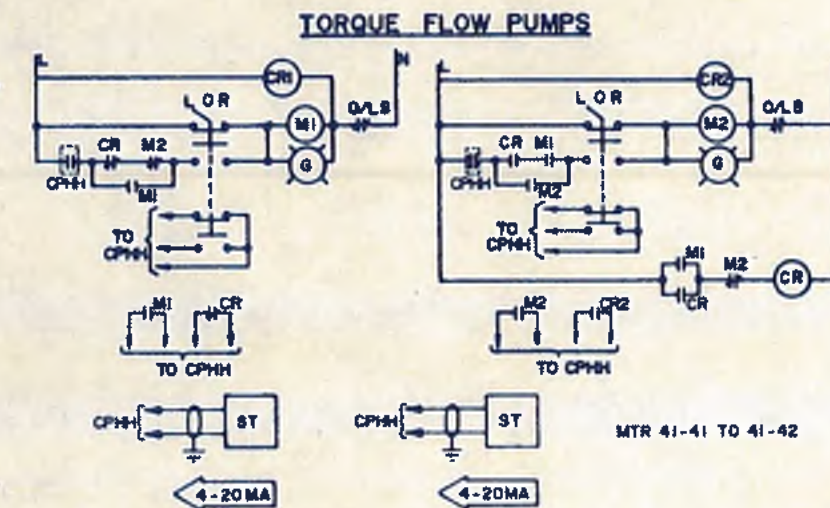
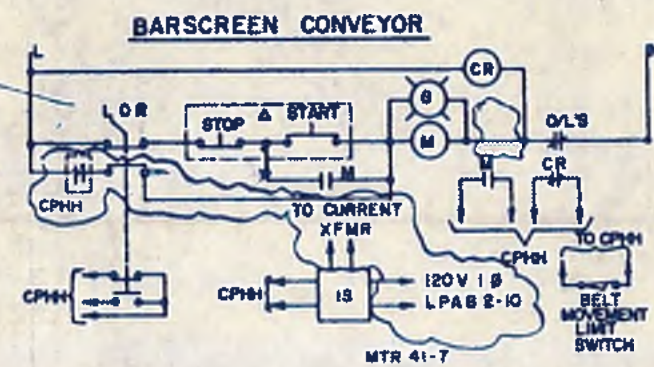
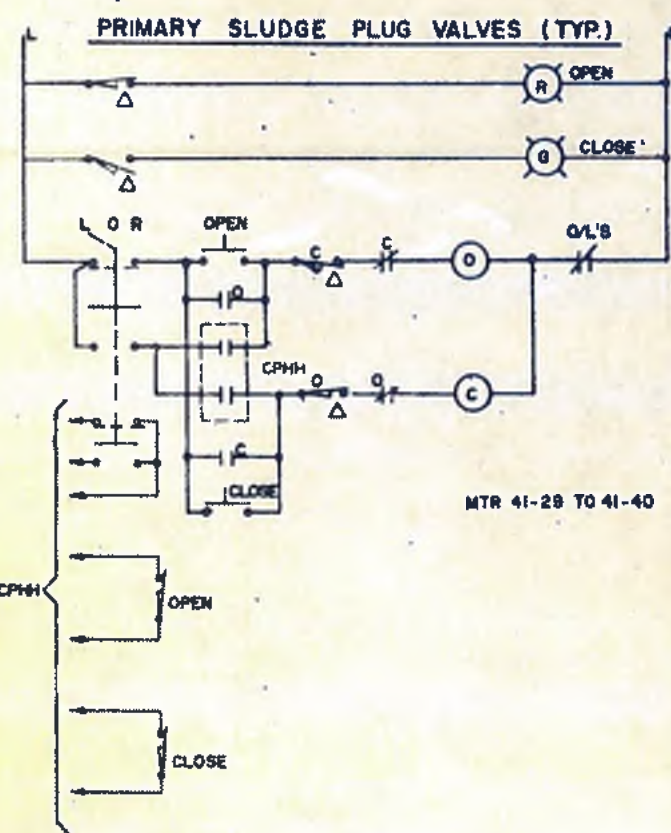
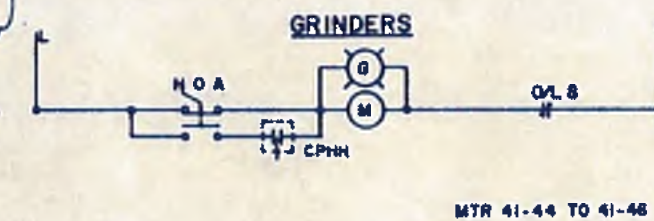
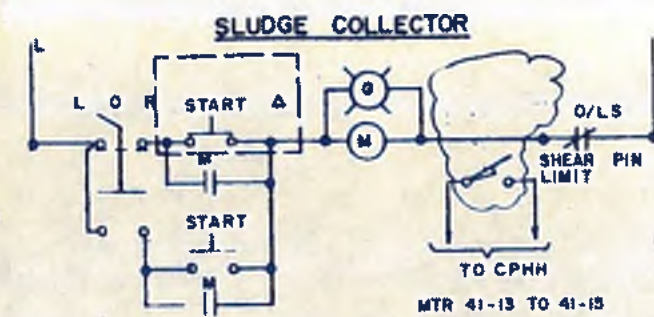
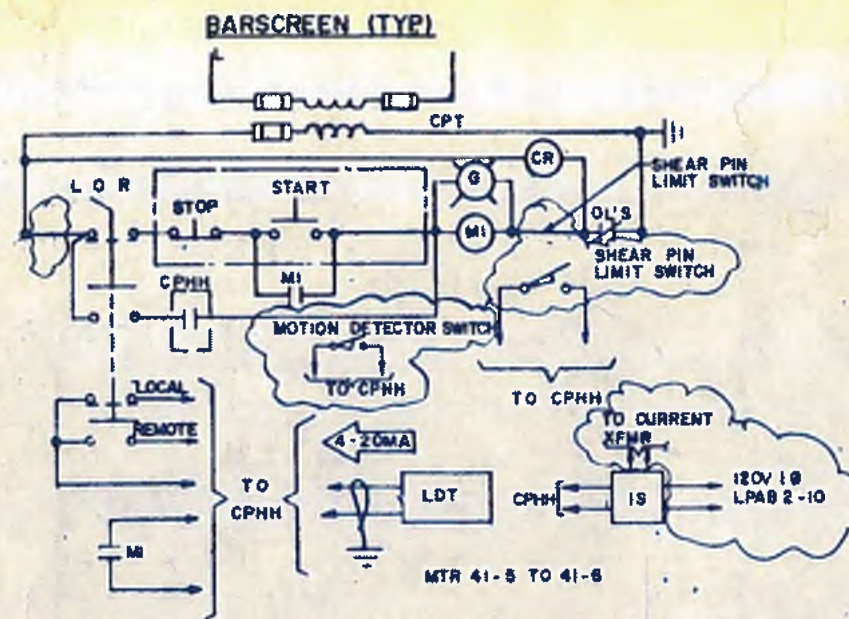
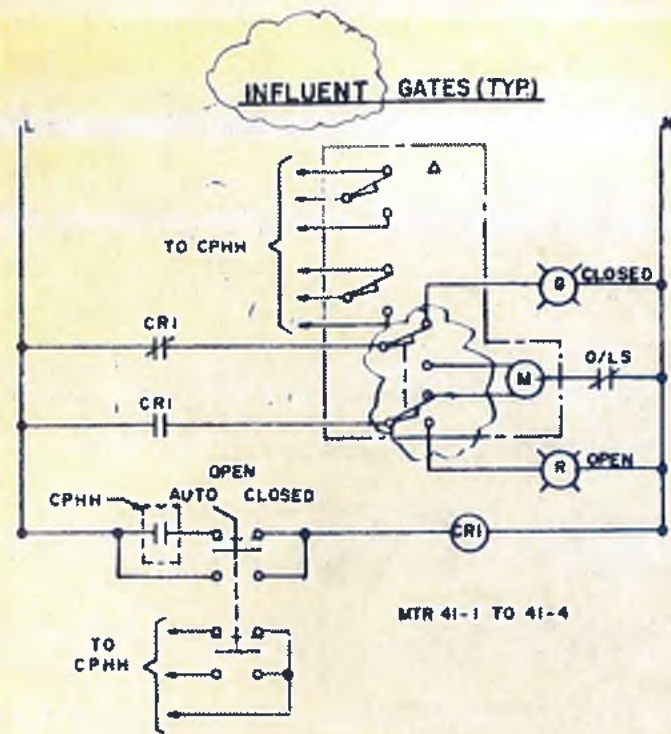
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREET
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

NO. 4528 KW ENTIRE SHEET
 DATE: 10, MAY 1982

ADD. NO. 4
 ADD. NO. 3
 PLACES

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△ INDICATES DEVICE LOCATED IN FIELD



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INTRENCHMENT CREEK PLANT MODIFICATIONS
ELEMENTARY DIAGRAMS, CPHH

NO.	DATE	BY	DESCRIPTION	REVISION
1		WJG/KW	GENERAL REVISION	ADDENDUM 1

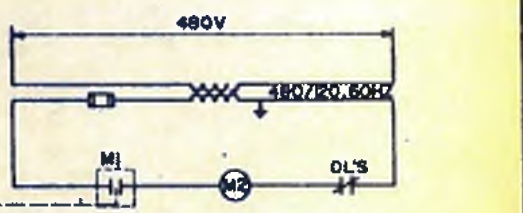
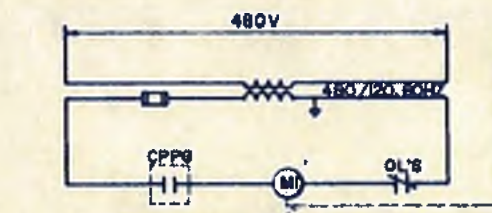
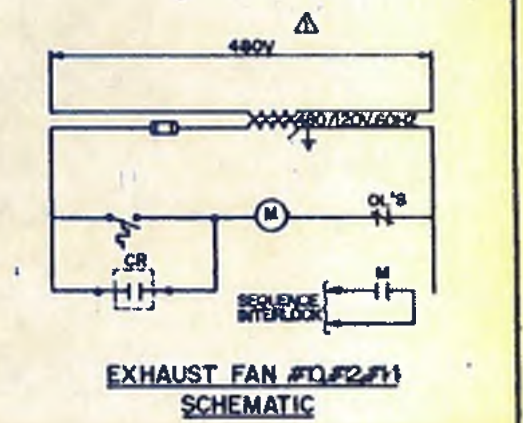
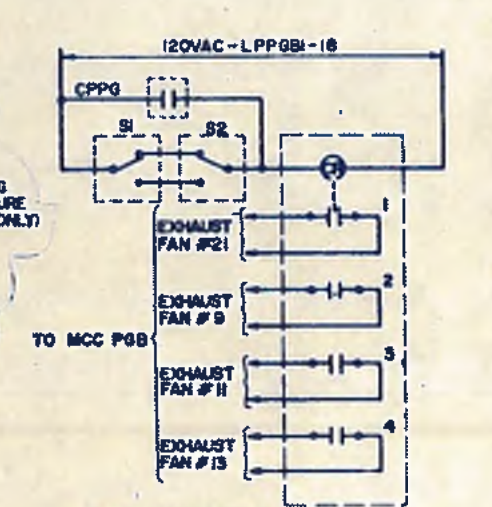
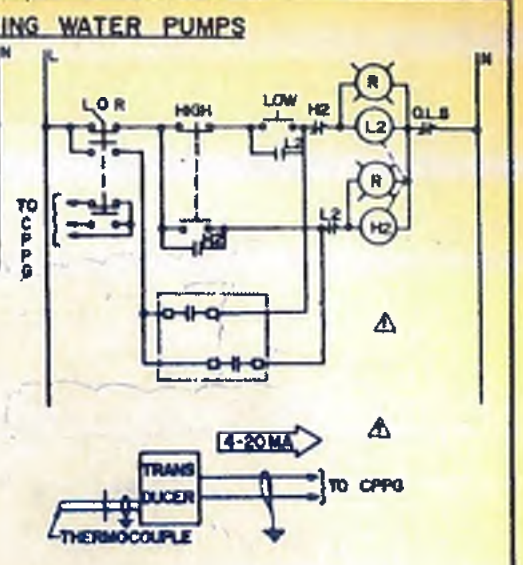
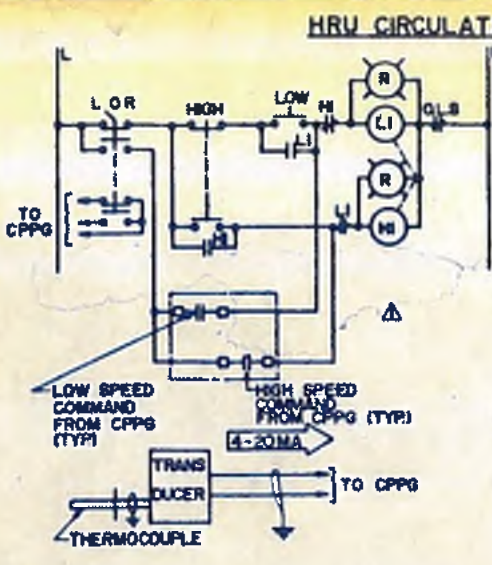
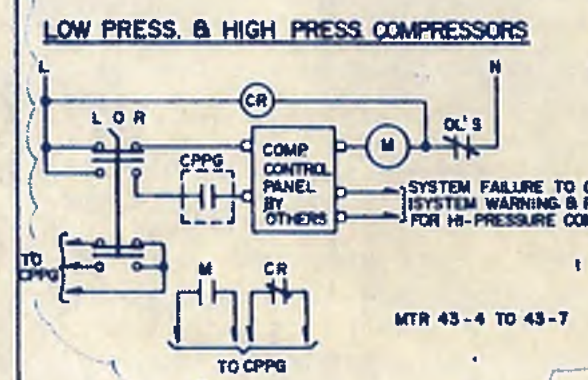
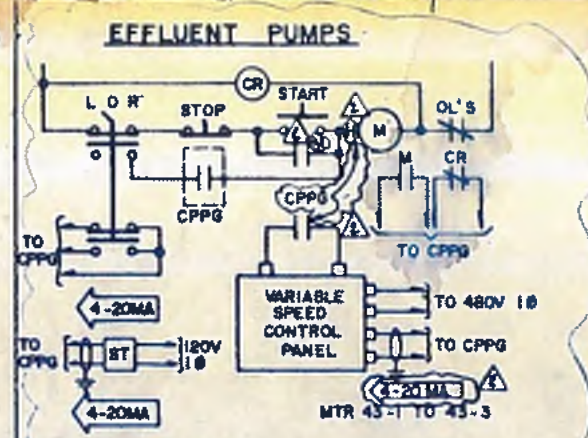
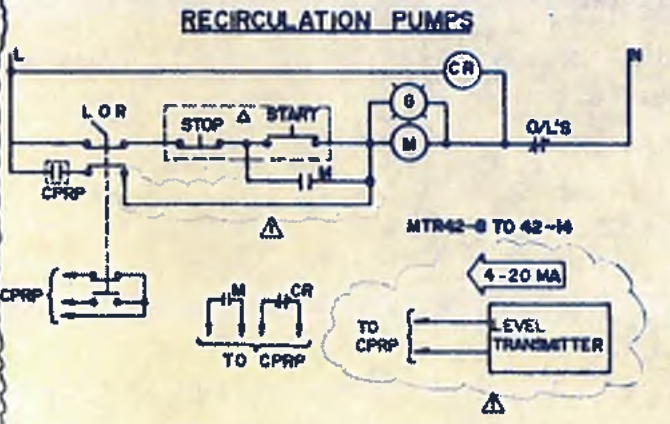
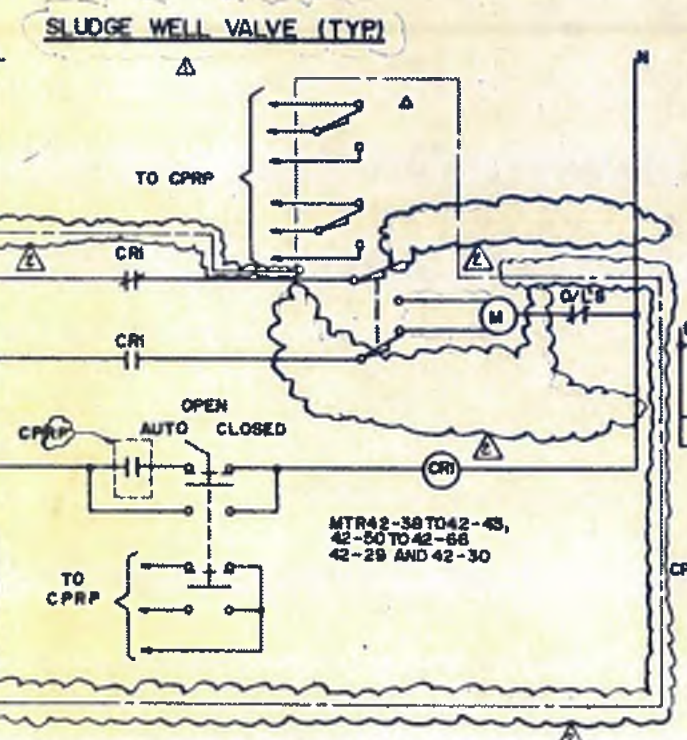
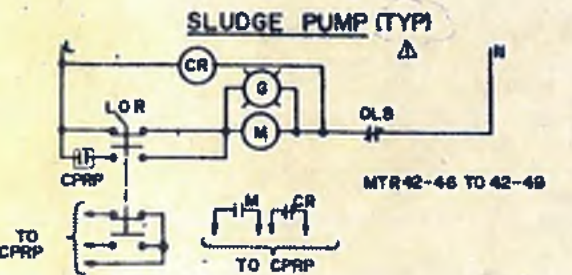
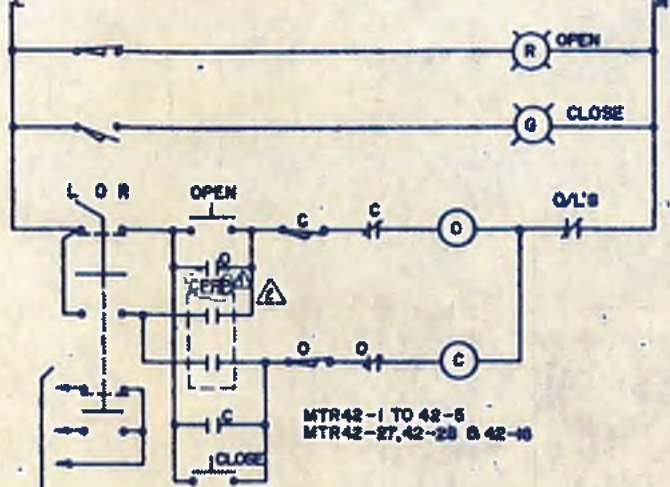
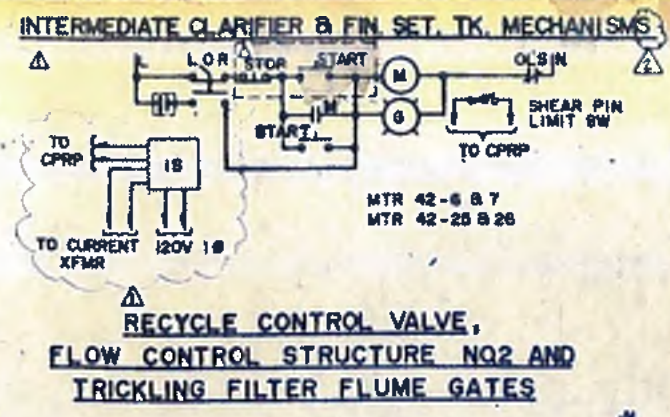
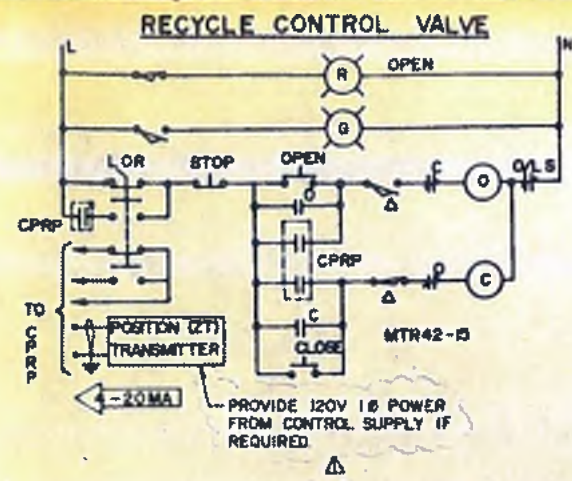
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & FITNESS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

LAND LOT: _____ DISTRICT: _____ COUNTY: _____

APPROVED: _____ SHEET NO. **159**

DATE: 10, MAY 1982 DRAWING NO. 4N-1



NOTE: EXHAUST FANS #9 & 10, #11 & 12, #13 & 14 ARE CASCADED TOGETHER.

EXHAUST FAN #10, #12, #14

SCHEMATIC

NO.	DATE	BY	DESCRIPTION	PLACES
2	8-5-82		GENERAL REVISIONS	ADD NO. 4
1	5-1-82		GENERAL REVISIONS	ADD NO. 3



williams - russell & associates
engineers - planners
atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
ELEMENTARY DIAGRAMS, CPRP & CPPG

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & HYDROLOGY
BUREAU OF POLLUTION CONTROL

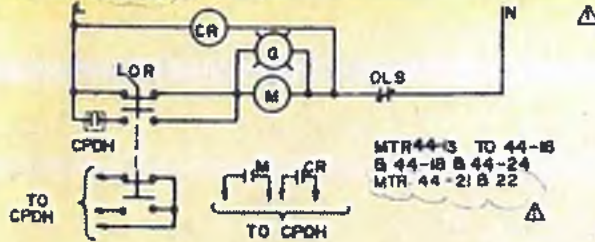
THREE RIVERS WATER QUALITY MANAGEMENT PLAN

DATE: 10, MAY 1982

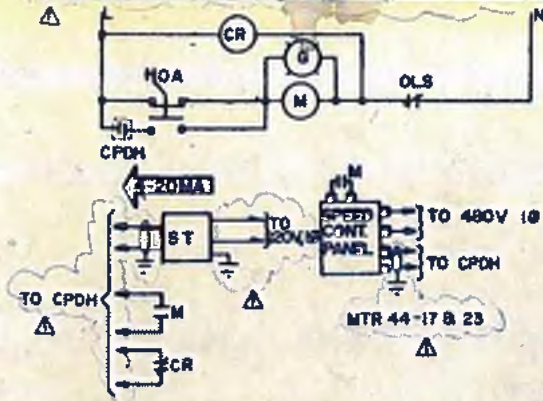
LAND LOT: COUNTY: DISTRICT: SHEET NO. 160

△ INDICATES DEVICES LOCATED IN FIELD

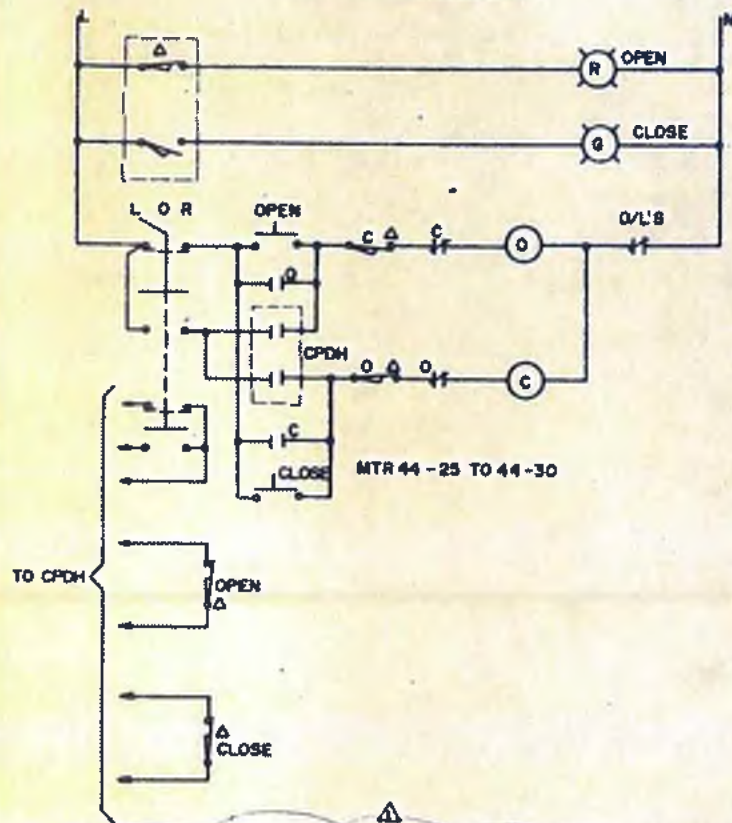
GAS BLOWERS, CIRCULATING & SLUDGE PUMPS (TYP)



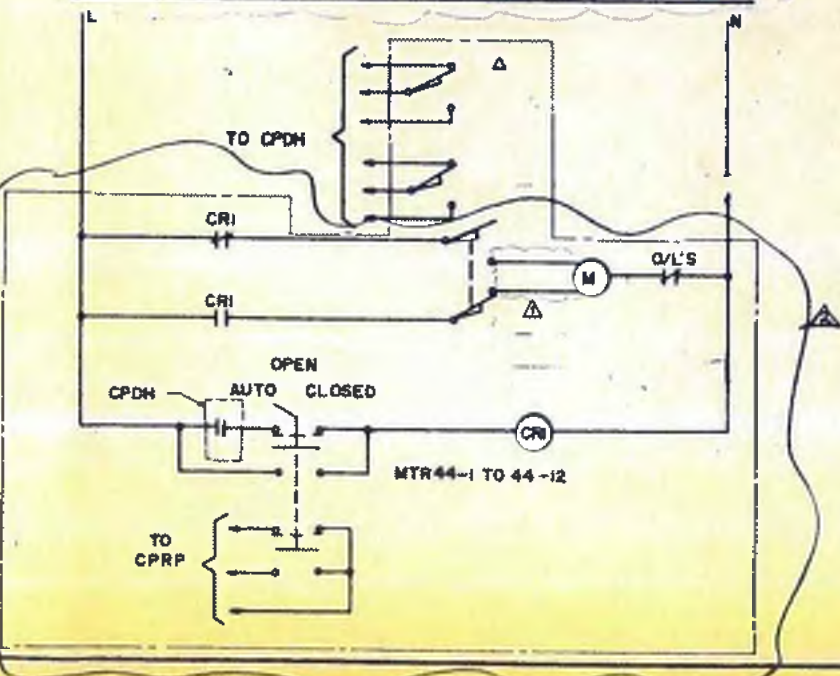
SEC. DIGESTER & SLUDGE TRANSFER PUMPS



TRANSFER VALVE



PRIMARY REMOVAL, FEED & WITHDRAWAL VALVES (TYP)



williams-russell & associates
 engineers — planners
 atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
 ELEMENTARY DIAGRAMS, CPDH



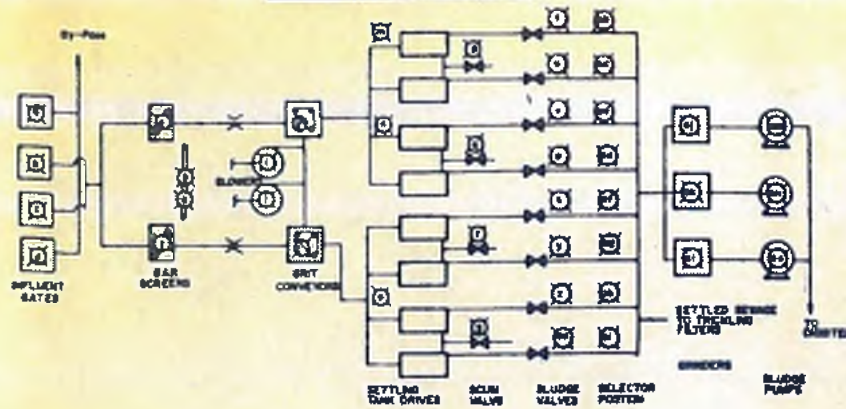
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

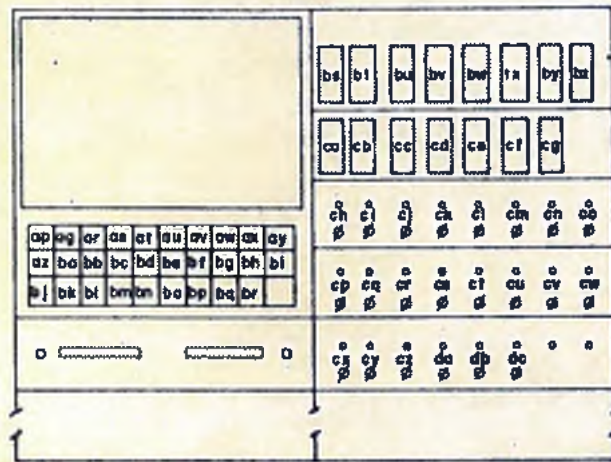
DRG	SKK	APPROVED			
CRN	WH				
CHKD	ELR	SCALE	NONE	DATE	10 MAY 1982
				DRAWING NO.	4N-3

NO.	DATE	BY	DESCRIPTION	ADD. NO.	PLACES
2	5-12-82	SKK	REVISED AS NOTED	ADD. NO. 4	
1	5-12-82	WH	GENERAL REVISIONS	ADD. NO. 3	

CPHH GRAPHIC PANEL



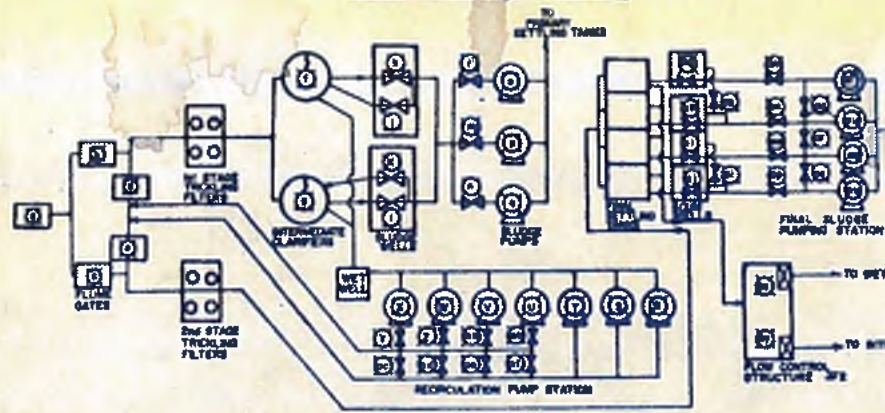
CPHH



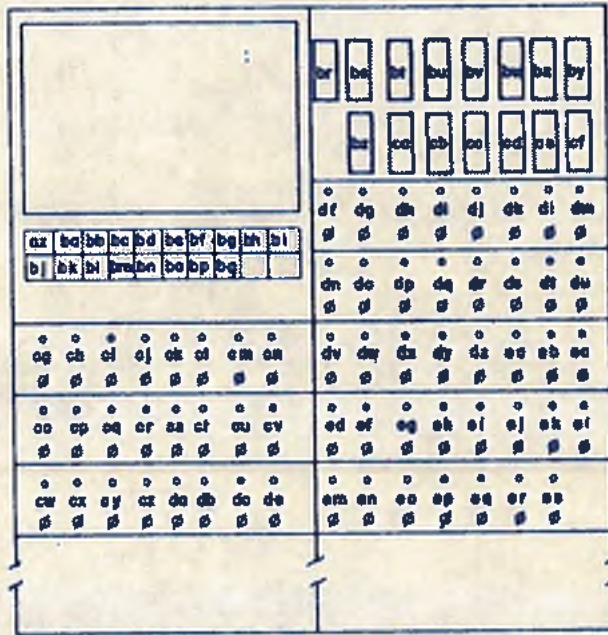
NAME PLATE SCHEDULE

a INFLUENT GATE #1	DISCRETE INPUTS DISPLAYED ON GRAPHIC PANEL	ba GRIT CONVEYOR #1 OVERLOAD	ANALOG INPUTS
b INFLUENT GATE #2		bc GRIT CONVEYOR #1 RUN FAIL	
c INFLUENT GATE #3		bd GRIT CONVEYOR #2 OVERLOAD	
d INFLUENT GATE #4		be GRIT CONVEYOR #2 RUN FAIL	
e BARSCREEN #1		bf TANK DRIVE #1 OVERLOAD	
f BARSCREEN #2		bg TANK DRIVE #1 RUN FAIL	
g BARSCREEN CONVEYOR		bh TANK DRIVE #2 OVERLOAD	
h CONVEYOR SELECTOR POSITION		bi TANK DRIVE #2 RUN FAIL	
i BLOWER #1		bj TANK DRIVE #3 OVERLOAD	
j BLOWER #2		bk GRINDER #1 OVERLOAD	
k GRIT CONVEYOR #1		bl GRINDER #2 OVERLOAD	
l GRIT CONVEYOR #2		bm GRINDER #3 OVERLOAD	
m SETTLING TANK DRIVE #1		bn SLUDGE PUMP #1 OVERLOAD	
n SETTLING TANK DRIVE #2		bo SLUDGE PUMP #2 OVERLOAD	
o SETTLING TANK DRIVE #3		bp SLUDGE PUMP #3 OVERLOAD	
p SCUM VALVE #1		bq SLUDGE PUMPING TIME CYCLE LOW	
q SCUM VALVE #2		br INFLUENT FLOW RATE INDICATION	ANALOG OUTPUTS
r SCUM VALVE #3		bs BARSCREEN #1 DIFFERENTIAL LEVEL INDICATION	DISCRETE OUTPUTS
s SCUM VALVE #4		bt BARSCREEN #2 DIFFERENTIAL LEVEL INDICATION	
t SLUDGE VALVE #1		bu TANK #1 SLUDGE BLANKET DEPTH INDICATION	
u SLUDGE VALVE #2		bv TANK #2 SLUDGE BLANKET DEPTH INDICATION	
v SLUDGE VALVE #3		bw TANK #3 SLUDGE BLANKET DEPTH INDICATION	
w SLUDGE VALVE #4		bx TANK #4 SLUDGE BLANKET DEPTH INDICATION	
x SLUDGE VALVE #5		by TANK #5 SLUDGE BLANKET DEPTH INDICATION	
y SLUDGE VALVE #6		bz TANK #6 SLUDGE BLANKET DEPTH INDICATION	
z SLUDGE VALVE #7		ca TANK #7 SLUDGE BLANKET DEPTH INDICATION	
aa SLUDGE VALVE #8		cb TANK #8 SLUDGE BLANKET DEPTH INDICATION	
ab SLUDGE VALVE #1 SELECTOR POSITION		cc SLUDGE FLOW RATE INDICATION	
ac SLUDGE VALVE #2 SELECTOR POSITION		cd SLUDGE FLOW RATE INDICATION	
ad SLUDGE VALVE #3 SELECTOR POSITION		ce SLUDGE PUMP #1 SPEED CONTROL & INDICATION	ANALOG OUTPUTS
ae SLUDGE VALVE #4 SELECTOR POSITION		cf SLUDGE PUMP #2 SPEED CONTROL & INDICATION	DISCRETE OUTPUTS
af SLUDGE VALVE #5 SELECTOR POSITION		cg INFLUENT GATE #1 OPEN/CLOSE	
ag SLUDGE VALVE #6 SELECTOR POSITION		ch INFLUENT GATE #2 OPEN/CLOSE	
ah SLUDGE VALVE #7 SELECTOR POSITION		ci INFLUENT GATE #3 OPEN/CLOSE	
aj SLUDGE VALVE #8 SELECTOR POSITION		ck INFLUENT GATE #4 OPEN/CLOSE	
ak GRINDER #1		cl BARSCREEN #1 START/STOP	
al GRINDER #2		cm BARSCREEN #2 START/STOP	
am GRINDER #3		cn BARSCREEN CONVEYOR START/STOP	
an SLUDGE PUMP #1		co SLUDGE VALVE #1 OPEN/CLOSE	
ao SLUDGE PUMP #2		cp SLUDGE VALVE #2 OPEN/CLOSE	
ap SLUDGE PUMP #3		cq SLUDGE VALVE #3 OPEN/CLOSE	
aq BARSCREEN #1 RUN FAIL		cr SLUDGE VALVE #4 OPEN/CLOSE	
ar BARSCREEN #1 OVERLOAD		cs SLUDGE VALVE #5 OPEN/CLOSE	
as BARSCREEN #1 HIGH LEVEL		ct SLUDGE VALVE #6 OPEN/CLOSE	
at BARSCREEN #2 RUN FAIL		cu SLUDGE VALVE #7 OPEN/CLOSE	
au BARSCREEN #2 OVERLOAD		cv SLUDGE VALVE #8 OPEN/CLOSE	
av BARSCREEN #2 HIGH LEVEL		cw SCUM VALVE #1 OPEN/CLOSE	
aw BARSCREEN CONVEYOR RUN FAIL		cx SCUM VALVE #2 OPEN/CLOSE	
ax BARSCREEN CONVEYOR OVERLOAD		cy SCUM VALVE #3 OPEN/CLOSE	
ay BLOWER #1 OVERLOAD		ca SLUDGE PUMP #1 OPEN/CLOSE	
az BLOWER #1 RUN FAIL		cb SLUDGE PUMP #1 START/STOP	
ba BLOWER #2 OVERLOAD		cc SLUDGE PUMP #2 START/STOP	
bb BLOWER #2 RUN FAIL		cd SLUDGE PUMP #3 START/STOP	

CPRP GRAPHIC PANEL



CPRP



a FLOW GATE INLET	DISCRETE INPUTS	ba FINAL SETTLING TANK #1 DRIVE FAIL	ANALOG INPUTS
b FLOW GATE TO FIRST STAGE TRICKLING FILTERS		bb FINAL SETTLING TANK #2 DRIVE FAIL	
c FLOW GATE TO SECOND STAGE TRICKLING FILTERS		bc INTERMEDIATE SLUDGE PUMP STATION FLOOD ALARM	
d FIRST STAGE TRICKLING FILTERS ISOLATION FLOW GATE		bd FINAL SLUDGE PUMP STATION FLOOD ALARM	
e SECOND STAGE TRICKLING FILTERS ISOLATION FLOW GATE		be FIRST STAGE FLOW RATE	ANALOG OUTPUTS
f INTERMEDIATE CLARIFIER TANK #1 DRIVE		bf FIRST STAGE FLOW RATE	
g INTERMEDIATE CLARIFIER TANK #1 DRIVE		bg SECOND STAGE FLOW RATE	
h INTERMEDIATE CLARIFIER TANK #2 DRIVE		bh SECOND STAGE FLOW RATE	
i INTERMEDIATE CLARIFIER TANK #2 DRIVE		bi INTERMEDIATE SLUDGE PUMP DISCHARGE FLOW RATE	
j INTERMEDIATE CLARIFIER TANK #1 RECIRCULATION SLUDGE VALVE		bj INTERMEDIATE SLUDGE PUMP FLOW RATE	
k INTERMEDIATE CLARIFIER TANK #2 RECIRCULATION SLUDGE VALVE		bk FINAL SLUDGE PUMP FLOW RATE	
l INTERMEDIATE SLUDGE SUCTION PUMP #1 VALVE		bl RECIRCULATION PUMP STATION MET WELL LEVEL	
m INTERMEDIATE SLUDGE SUCTION PUMP #2 VALVE		bm RECIRCULATION BUTTERFLY VALVE #1 POSITION (SEE CD)	
n INTERMEDIATE SLUDGE SUCTION PUMP #3 VALVE		bn RECIRCULATION BUTTERFLY VALVE #2 POSITION (SEE CE)	
o RECIRCULATION PUMP #1		ca RECIRCULATION BUTTERFLY VALVE #1 POSITION (WITH FEEDBACK)	ANALOG OUTPUTS
p RECIRCULATION PUMP #2		cb RECIRCULATION BUTTERFLY VALVE #2 POSITION (WITH FEEDBACK)	
q RECIRCULATION PUMP #3		cc FLOW GATE INLET OPEN/CLOSE	DISCRETE OUTPUTS
r RECIRCULATION PUMP #4		cd FLOW GATE TO FIRST STAGE TRICKLING FILTERS OPEN/CLOSE	
s RECIRCULATION PUMP #5		ce FLOW GATE TO SECOND STAGE TRICKLING FILTERS OPEN/CLOSE	
t RECIRCULATION PUMP #6		cf FLOW ISOLATION FLOW GATE OPEN/CLOSE	
u RECIRCULATION PUMP #7		cg SECOND STAGE ISOLATION FLOW GATE OPEN/CLOSE	
v RECIRCULATION PUMP VALVE #1		ch INTERMEDIATE CLARIFIER TANK #1 DRIVE START/STOP	
w RECIRCULATION PUMP VALVE #2		ci INTERMEDIATE CLARIFIER TANK #2 DRIVE START/STOP	
x RECIRCULATION PUMP VALVE #3		cj INTERMEDIATE CLARIFIER TANK #1 SLUDGE VALVE OPEN/CLOSE	
y RECIRCULATION PUMP VALVE #4		ck INTERMEDIATE CLARIFIER TANK #2 SLUDGE VALVE OPEN/CLOSE	
z RECIRCULATION PUMP VALVE #5		cl INTERMEDIATE CLARIFIER TANK #1 RECIRCULATION VALVE OPEN/CLOSE	
aa RECIRCULATION PUMP VALVE #6		cm INTERMEDIATE CLARIFIER TANK #2 RECIRCULATION VALVE OPEN/CLOSE	
ab RECIRCULATION PUMP VALVE #7		cn INTERMEDIATE SLUDGE PUMP #1 VALVE OPEN/CLOSE	
ac FINAL SLUDGE WELL VALVE #1		co INTERMEDIATE SLUDGE PUMP #2 VALVE OPEN/CLOSE	
ad FINAL SLUDGE WELL VALVE #2		cp INTERMEDIATE SLUDGE PUMP #3 VALVE OPEN/CLOSE	
ae FINAL SLUDGE WELL VALVE #3		cq FINAL SLUDGE PUMP #1 START/STOP	
af FINAL SLUDGE WELL VALVE #4		cr FINAL SLUDGE PUMP #2 START/STOP	
ag FINAL SLUDGE WELL VALVE #5		cs FINAL SLUDGE PUMP #3 START/STOP	
ah FINAL SLUDGE WELL VALVE #6		ct FIRST STAGE TRICKLING FILTER SOLENOID VALVE OPEN/CLOSE	
ai FINAL SLUDGE WELL VALVE #7		cu SECOND STAGE TRICKLING FILTER SOLENOID VALVE OPEN/CLOSE	
aj FINAL SLUDGE PUMP #1		cv FINAL SETTLING TANKS SOLENOID VALVE OPEN/CLOSE	
ak FINAL SLUDGE PUMP #2		cw BYPASS STRUCTURE #2 SOLENOID VALVE OPEN/CLOSE	
al FINAL SLUDGE PUMP #3		cx FLOW CONTROL STRUCTURE #2 GATE #1 OPEN/CLOSE	
am FINAL SLUDGE PUMP #4		cy FLOW CONTROL STRUCTURE #2 GATE #2 OPEN/CLOSE	
an FLOW CONTROL STRUCTURE #2 GATE #1			
ao FLOW CONTROL STRUCTURE #2 GATE #2			
ap INTERMEDIATE CLARIFIER TANK #1 FAIL			
aq INTERMEDIATE CLARIFIER TANK #2 FAIL			
ar INTERMEDIATE CLARIFIER TANK #1 SLUDGE WELL HIGH LEVEL			
as INTERMEDIATE CLARIFIER TANK #1 SLUDGE WELL LOW LEVEL			
at INTERMEDIATE CLARIFIER TANK #2 SLUDGE WELL HIGH LEVEL			
au INTERMEDIATE CLARIFIER TANK #2 SLUDGE WELL LOW LEVEL			
av FINAL SLUDGE WELL #1 HIGH LEVEL			
aw FINAL SLUDGE WELL #1 LOW LEVEL			
ax FINAL SLUDGE WELL #2 HIGH LEVEL			
ay FINAL SLUDGE WELL #2 LOW LEVEL			
az FINAL SLUDGE WELL #3 HIGH LEVEL			
ba FINAL SLUDGE WELL #3 LOW LEVEL			
bb FINAL SLUDGE WELL #4 HIGH LEVEL			
bc FINAL SLUDGE WELL #4 LOW LEVEL			

NAME PLATE SCHEDULE

ba FINAL SETTLING TANK #1 DRIVE FAIL	ANALOG INPUTS	af RECIRCULATION BUTTERFLY VALVE #1 POSITION (WITH FEEDBACK)	ANALOG OUTPUTS
bb FINAL SETTLING TANK #2 DRIVE FAIL		ag RECIRCULATION BUTTERFLY VALVE #2 POSITION (WITH FEEDBACK)	
bc INTERMEDIATE SLUDGE PUMP STATION FLOOD ALARM		ah FLOW GATE INLET OPEN/CLOSE	DISCRETE OUTPUTS
bd FINAL SLUDGE PUMP STATION FLOOD ALARM		ai FLOW GATE TO FIRST STAGE TRICKLING FILTERS OPEN/CLOSE	
be FIRST STAGE FLOW RATE	ANALOG OUTPUTS	aj FLOW GATE TO SECOND STAGE TRICKLING FILTERS OPEN/CLOSE	
bf FIRST STAGE FLOW RATE		ak SECOND STAGE ISOLATION FLOW GATE OPEN/CLOSE	
bg SECOND STAGE FLOW RATE		al INTERMEDIATE CLARIFIER TANK #1 DRIVE START/STOP	
bh SECOND STAGE FLOW RATE		am INTERMEDIATE CLARIFIER TANK #2 DRIVE START/STOP	
bi INTERMEDIATE SLUDGE PUMP DISCHARGE FLOW RATE		an INTERMEDIATE CLARIFIER TANK #1 SLUDGE VALVE OPEN/CLOSE	
bj INTERMEDIATE SLUDGE PUMP FLOW RATE		ao INTERMEDIATE CLARIFIER TANK #2 SLUDGE VALVE OPEN/CLOSE	
bk FINAL SLUDGE PUMP FLOW RATE		ap INTERMEDIATE CLARIFIER TANK #1 RECIRCULATION VALVE OPEN/CLOSE	
bl RECIRCULATION PUMP STATION MET WELL LEVEL		aq INTERMEDIATE CLARIFIER TANK #2 RECIRCULATION VALVE OPEN/CLOSE	
bm RECIRCULATION BUTTERFLY VALVE #1 POSITION (SEE CD)		ar INTERMEDIATE SLUDGE PUMP #1 VALVE OPEN/CLOSE	
bn RECIRCULATION BUTTERFLY VALVE #2 POSITION (SEE CE)		as INTERMEDIATE SLUDGE PUMP #2 VALVE OPEN/CLOSE	
ca RECIRCULATION BUTTERFLY VALVE #1 POSITION (WITH FEEDBACK)	ANALOG OUTPUTS	at INTERMEDIATE SLUDGE PUMP #3 VALVE OPEN/CLOSE	
cb RECIRCULATION BUTTERFLY VALVE #2 POSITION (WITH FEEDBACK)		au FINAL SLUDGE PUMP #1 START/STOP	
cc FLOW GATE INLET OPEN/CLOSE	DISCRETE OUTPUTS	av FINAL SLUDGE PUMP #2 START/STOP	
cd FLOW GATE TO FIRST STAGE TRICKLING FILTERS OPEN/CLOSE		aw FINAL SLUDGE PUMP #3 START/STOP	
ce FLOW GATE TO SECOND STAGE TRICKLING FILTERS OPEN/CLOSE		ax FIRST STAGE TRICKLING FILTER SOLENOID VALVE OPEN/CLOSE	
cf FLOW ISOLATION FLOW GATE OPEN/CLOSE		ay SECOND STAGE TRICKLING FILTER SOLENOID VALVE OPEN/CLOSE	
cg SECOND STAGE ISOLATION FLOW GATE OPEN/CLOSE		az FINAL SETTLING TANKS SOLENOID VALVE OPEN/CLOSE	
ch INTERMEDIATE CLARIFIER TANK #1 DRIVE START/STOP		ba BYPASS STRUCTURE #2 SOLENOID VALVE OPEN/CLOSE	
ci INTERMEDIATE CLARIFIER TANK #2 DRIVE START/STOP		bb FLOW CONTROL STRUCTURE #2 GATE #1 OPEN/CLOSE	
cj INTERMEDIATE CLARIFIER TANK #1 SLUDGE VALVE OPEN/CLOSE		bc FLOW CONTROL STRUCTURE #2 GATE #2 OPEN/CLOSE	
ck INTERMEDIATE CLARIFIER TANK #2 SLUDGE VALVE OPEN/CLOSE			
cl INTERMEDIATE CLARIFIER TANK #1 RECIRCULATION VALVE OPEN/CLOSE			
cm INTERMEDIATE CLARIFIER TANK #2 RECIRCULATION VALVE OPEN/CLOSE			
cn INTERMEDIATE SLUDGE PUMP #1 VALVE OPEN/CLOSE			
co INTERMEDIATE SLUDGE PUMP #2 VALVE OPEN/CLOSE			
cp INTERMEDIATE SLUDGE PUMP #3 VALVE OPEN/CLOSE			
cq FINAL SLUDGE PUMP #1 START/STOP			
cr FINAL SLUDGE PUMP #2 START/STOP			
cs FINAL SLUDGE PUMP #3 START/STOP			
ct FIRST STAGE TRICKLING FILTER SOLENOID VALVE OPEN/CLOSE			
cu SECOND STAGE TRICKLING FILTER SOLENOID VALVE OPEN/CLOSE			
cv FINAL SETTLING TANKS SOLENOID VALVE OPEN/CLOSE			
cw BYPASS STRUCTURE #2 SOLENOID VALVE OPEN/CLOSE			
cx FLOW CONTROL STRUCTURE #2 GATE #1 OPEN/CLOSE			
cy FLOW CONTROL STRUCTURE #2 GATE #2 OPEN/CLOSE			

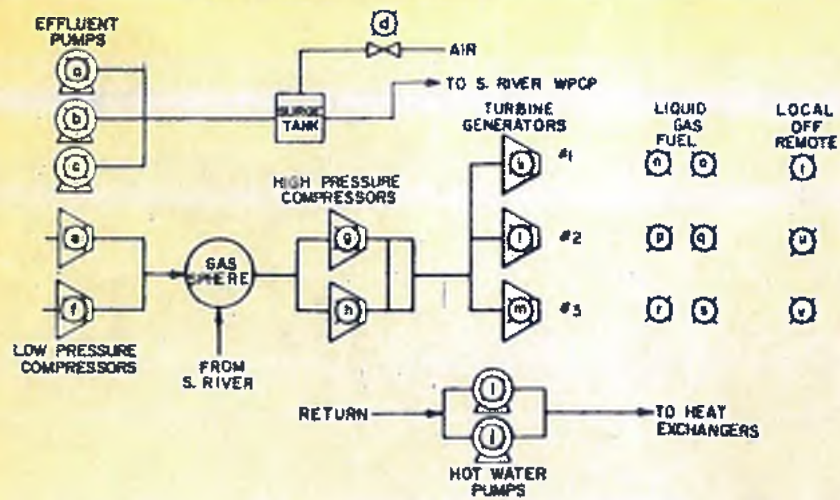


williams-russell & associates
engineers - planners
atlanta, georgia
INTRENCHMENT CREEK PLANT MODIFICATIONS
INSTRUMENTATION CONTROL PANELS
CPHH & CPRP

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

DATE	APPROVED	DATE	DRAWING NO.
10 MAY 1982	WFD	10 MAY 1982	4N-4

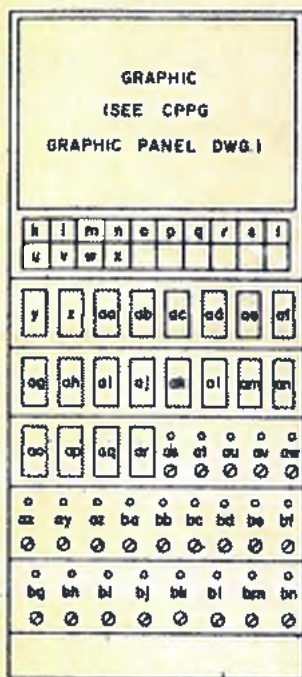
CPPG GRAPHIC PANEL



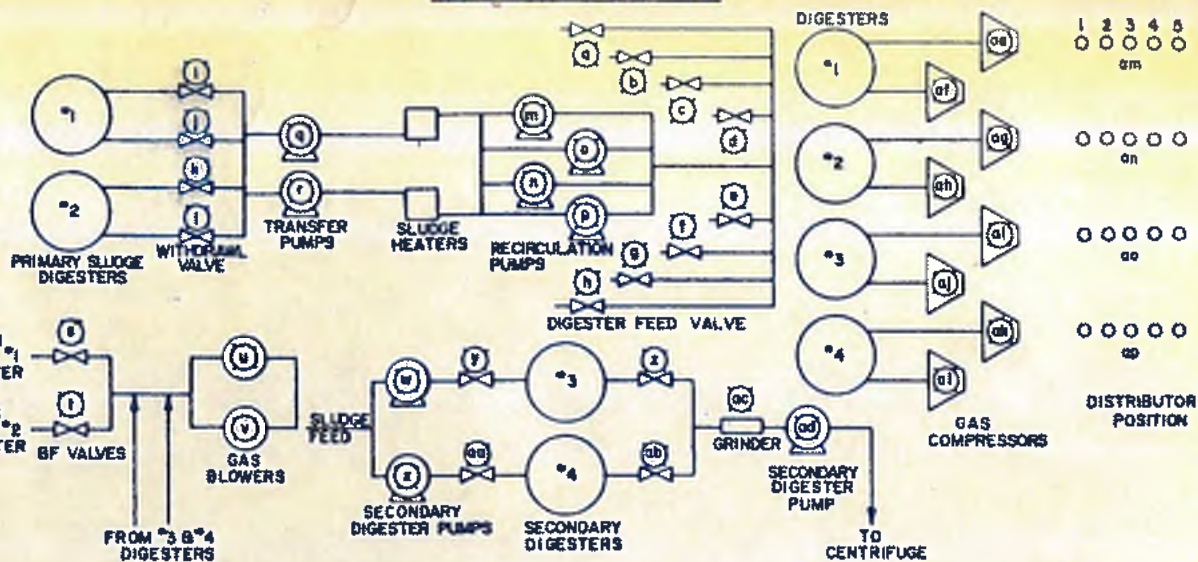
CPPG NAMEPLATE SCHEDULE

DISCRETE INPUTS (TO GRAPHIC)		DISCRETE INPUTS (TO ANNUNCIATOR)	
a.	EFFLUENT PUMP #1	1.	EFFLUENT SURGE TANK LEVEL HIGH
b.	EFFLUENT PUMP #2	2.	EFFLUENT SURGE TANK LEVEL LOW
c.	EFFLUENT PUMP #3	3.	GAS COMPRESSOR #1 COOLING WATER FLOW FAIL
d.	COMPRESSOR AIR TO SURGE TANK SOLENOID VALVE	4.	GAS COMPRESSOR #2 COOLING WATER FLOW FAIL
e.	LOW PRESSURE GAS COMPRESSOR #1	5.	LOW PRESSURE GAS COMPRESSOR #1 FAIL
f.	LOW PRESSURE GAS COMPRESSOR #2	6.	LOW PRESSURE GAS COMPRESSOR #2 FAIL
g.	HIGH PRESSURE GAS COMPRESSOR #1	7.	HIGH PRESSURE GAS COMPRESSOR #1 FAIL
h.	HIGH PRESSURE GAS COMPRESSOR #2	8.	HIGH PRESSURE GAS COMPRESSOR #2 FAIL
i.	HOT WATER PUMP #1	9.	GAS SPHERE GAS PRESSURE HIGH
j.	HOT WATER PUMP #2	10.	GAS TURBINE HEAT EXCHANGER #1 TEMPERATURE HIGH
k.		11.	GAS TURBINE HEAT EXCHANGER #1 TEMPERATURE LOW
l.		12.	GAS TURBINE HEAT EXCHANGER #2 TEMPERATURE HIGH
m.		13.	GAS TURBINE HEAT EXCHANGER #2 TEMPERATURE LOW
n.		14.	DIESEL FUEL OIL TANK LEVEL LOW
o.		15.	ALL FLOW FROM COMPRESSOR TO SPHERE
p.		16.	GAS FLOW FROM S. RIVER TO SPHERE
q.		17.	GAS FLOW FROM COMPRESSOR TO SPHERE
r.		18.	GAS FLOW FROM S. RIVER TO SPHERE
s.		19.	GAS FLOW TO TURBINE #1
t.		20.	GAS FLOW TO TURBINE #2
u.		21.	GAS FLOW TO TURBINE #3
v.		22.	LOW PRESSURE GAS COMPRESSOR #1 SPEED
w.		23.	LOW PRESSURE GAS COMPRESSOR #2 SPEED
x.		24.	HIGH PRESSURE GAS COMPRESSOR #1 SPEED
y.		25.	HIGH PRESSURE GAS COMPRESSOR #2 SPEED
z.		26.	GAS SPHERE GAS PRESSURE
aa.		27.	GAS SPHERE GAS TEMPERATURE
ab.		28.	LOW PRESSURE GAS COMPRESSOR DISCHARGE PRESSURE
ac.		29.	GAS TURBINE HEAT EXCHANGER #1 TEMPERATURE
ad.		30.	GAS TURBINE HEAT EXCHANGER #2 TEMPERATURE
ae.		31.	DIESEL FUEL OIL TANK LEVEL
af.		32.	EFFLUENT PUMP #1 SPEED (WITH FEEDBACK)
ag.		33.	EFFLUENT PUMP #2 SPEED (WITH FEEDBACK)
ah.		34.	EFFLUENT PUMP #3 SPEED (WITH FEEDBACK)
ai.		35.	LOW PRESSURE GAS COMPRESSOR #1 LOAD CONTROL STAGE #1
aj.		36.	LOW PRESSURE GAS COMPRESSOR #1 LOAD CONTROL STAGE #2
ak.		37.	LOW PRESSURE GAS COMPRESSOR #1 LOAD CONTROL STAGE #3
al.		38.	LOW PRESSURE GAS COMPRESSOR #1 LOAD CONTROL STAGE #4
am.		39.	LOW PRESSURE GAS COMPRESSOR #2 LOAD CONTROL STAGE #1
an.		40.	LOW PRESSURE GAS COMPRESSOR #2 LOAD CONTROL STAGE #2
ao.		41.	LOW PRESSURE GAS COMPRESSOR #2 LOAD CONTROL STAGE #3
ap.		42.	LOW PRESSURE GAS COMPRESSOR #2 LOAD CONTROL STAGE #4
aq.		43.	HIGH PRESSURE GAS COMPRESSOR #1 LOAD CONTROL STAGE #1
ar.		44.	HIGH PRESSURE GAS COMPRESSOR #1 LOAD CONTROL STAGE #2
as.		45.	HIGH PRESSURE GAS COMPRESSOR #1 LOAD CONTROL STAGE #3
at.		46.	HIGH PRESSURE GAS COMPRESSOR #1 LOAD CONTROL STAGE #4
au.		47.	HIGH PRESSURE GAS COMPRESSOR #2 LOAD CONTROL STAGE #1
av.		48.	HIGH PRESSURE GAS COMPRESSOR #2 LOAD CONTROL STAGE #2
aw.		49.	HIGH PRESSURE GAS COMPRESSOR #2 LOAD CONTROL STAGE #3
ax.		50.	HIGH PRESSURE GAS COMPRESSOR #2 LOAD CONTROL STAGE #4
ay.		51.	TURBINE #1 ON/OFF
az.		52.	TURBINE #2 ON/OFF
ba.		53.	TURBINE #3 ON/OFF
bb.		54.	HOT WATER PUMP #1/2 SELECT
bc.		55.	HOT WATER PUMP SPEED HIGH/LOW SELECT
bd.		56.	HOT WATER PUMPS ON/OFF SELECT

CPPG



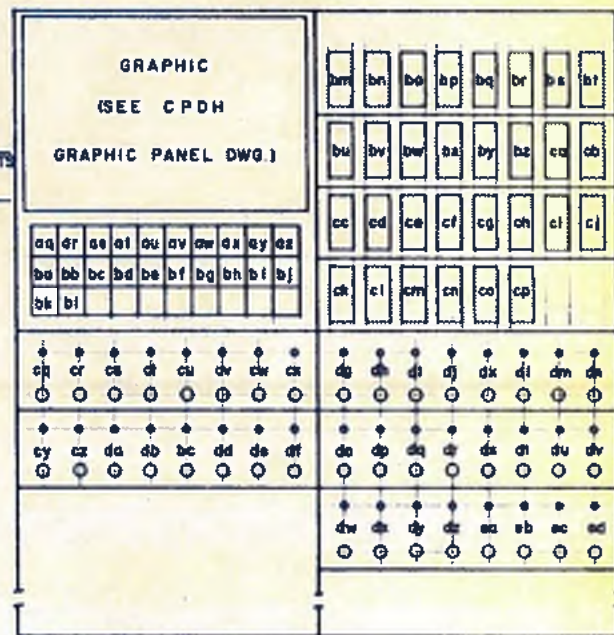
CPDH GRAPHIC PANEL



CPDH NAMEPLATE SCHEDULE

DISCRETE INPUTS (TO GRAPHIC)		DISCRETE INPUTS (TO ANNUNCIATOR)	
a.	Digester #1 Sludge Feed Valve	1.	Sludge Recirculation Pump #1 Fail
b.	Digester #1 Sludge Feed Valve	2.	Sludge Recirculation Pump #2 Fail
c.	Digester #1 Sludge Feed Valve	3.	Sludge Recirculation Pump #3 Fail
d.	Digester #1 Sludge Feed Valve	4.	Sludge Recirculation Pump #4 Fail
e.	Digester #2 Sludge Feed Valve	5.	Sludge Transfer Pump #1 Fail
f.	Digester #2 Sludge Feed Valve	6.	Sludge Transfer Pump #2 Fail
g.	Digester #2 Sludge Feed Valve	7.	Sludge Transfer Pump #3 Fail
h.	Digester #2 Sludge Feed Valve	8.	Sludge Transfer Pump #4 Fail
i.	Sludge Withdrawal Valve #1	9.	Gas Blower #1 Fail
j.	Sludge Withdrawal Valve #2	10.	Gas Blower #2 Fail
k.	Sludge Withdrawal Valve #3	11.	Secondary Digester #1 Grinder
l.	Sludge Withdrawal Valve #4	12.	Secondary Digester #1 Grinder
m.	Sludge Recirculation Pump #1	13.	Secondary Digester #2 Entrance Valve
n.	Sludge Recirculation Pump #2	14.	Secondary Digester #2 Entrance Valve
o.	Sludge Recirculation Pump #3	15.	Secondary Digester #3 Entrance Valve
p.	Sludge Recirculation Pump #4	16.	Secondary Digester #3 Entrance Valve
q.	Sludge Transfer Pump #1	17.	Secondary Digester #4 Entrance Valve
r.	Sludge Transfer Pump #2	18.	Secondary Digester #4 Entrance Valve
s.	Digester #1 Butterfly Valve	19.	Secondary Digester #4 Exit Valve
t.	Digester #2 Butterfly Valve	20.	Secondary Digester #4 Exit Valve
u.	Gas Blower #1	21.	Secondary Digester #4 Exit Valve
v.	Secondary Digester Pump #1	22.	Secondary Digester #4 Exit Valve
w.	Secondary Digester Pump #2	23.	Secondary Digester #4 Exit Valve
x.	Secondary Digester #3 Entrance Valve	24.	Secondary Digester #4 Exit Valve
y.	Secondary Digester #3 Exit Valve	25.	Secondary Digester #4 Exit Valve
z.	Secondary Digester #4 Entrance Valve	26.	Secondary Digester #4 Exit Valve
aa.	Digester #4 Entrance Valve	27.	Secondary Digester #4 Exit Valve
ab.	Digester #4 Exit Valve	28.	Secondary Digester #4 Exit Valve
ac.	Secondary Digester Grinder	29.	Secondary Digester #4 Exit Valve
ad.	Secondary Digester Pump	30.	Secondary Digester #4 Exit Valve
ae.	Digester #1 Gas Compressor	31.	Secondary Digester #4 Exit Valve
af.	Digester #2 Gas Compressor	32.	Secondary Digester #4 Exit Valve
ag.	Digester #3 Gas Compressor	33.	Secondary Digester #4 Exit Valve
ah.	Digester #4 Gas Compressor	34.	Secondary Digester #4 Exit Valve
ai.	Digester #1 Gas Compressor	35.	Secondary Digester #4 Exit Valve
aj.	Digester #2 Gas Compressor	36.	Secondary Digester #4 Exit Valve
ak.	Digester #3 Gas Compressor	37.	Secondary Digester #4 Exit Valve
al.	Digester #4 Gas Compressor	38.	Secondary Digester #4 Exit Valve
am.	Digester #1 Gas Distributor Position	39.	Secondary Digester #4 Exit Valve
an.	Digester #2 Gas Distributor Position	40.	Secondary Digester #4 Exit Valve
ao.	Digester #3 Gas Distributor Position	41.	Secondary Digester #4 Exit Valve
ap.	Digester #4 Gas Distributor Position	42.	Secondary Digester #4 Exit Valve
aq.	Sludge Recirculation Pump #1 Fail	43.	Secondary Digester #4 Exit Valve
ar.	Sludge Recirculation Pump #2 Fail	44.	Secondary Digester #4 Exit Valve
as.	Sludge Recirculation Pump #3 Fail	45.	Secondary Digester #4 Exit Valve
at.	Sludge Recirculation Pump #4 Fail	46.	Secondary Digester #4 Exit Valve
au.	Sludge Transfer Pump #1 Fail	47.	Secondary Digester #4 Exit Valve
av.	Sludge Transfer Pump #2 Fail	48.	Secondary Digester #4 Exit Valve
aw.	Gas Blower #1 Fail	49.	Secondary Digester #4 Exit Valve
ax.	Gas Blower #2 Fail	50.	Secondary Digester #4 Exit Valve
ay.	Secondary Digester #1 Grinder	51.	Secondary Digester #4 Exit Valve
az.	Secondary Digester #2 Grinder	52.	Secondary Digester #4 Exit Valve
ba.	Digester #1 Compressor Fail	53.	Secondary Digester #4 Exit Valve
bb.	Digester #2 Compressor Fail	54.	Secondary Digester #4 Exit Valve
bc.	Digester #3 Compressor Fail	55.	Secondary Digester #4 Exit Valve
bd.	Digester #4 Compressor Fail	56.	Secondary Digester #4 Exit Valve
be.	Digester #1 Compressor Fail	57.	Secondary Digester #4 Exit Valve
bf.	Digester #2 Compressor Fail	58.	Secondary Digester #4 Exit Valve
bg.	Digester #3 Compressor Fail	59.	Secondary Digester #4 Exit Valve
bh.	Digester #4 Compressor Fail	60.	Secondary Digester #4 Exit Valve
bi.	Distributor #1 Fail	61.	Secondary Digester #4 Exit Valve
bj.	Distributor #2 Fail	62.	Secondary Digester #4 Exit Valve
bk.	Distributor #3 Fail	63.	Secondary Digester #4 Exit Valve
bl.	Distributor #4 Fail	64.	Secondary Digester #4 Exit Valve
bm.	Gas Flow From Digester #1	65.	Secondary Digester #4 Exit Valve
bn.	Gas Flow From Digester #2	66.	Secondary Digester #4 Exit Valve
bo.	Gas Flow From Digester #3	67.	Secondary Digester #4 Exit Valve
bp.	Gas Flow From Digester #4	68.	Secondary Digester #4 Exit Valve
bq.	Gas Flow From Digester #4	69.	Secondary Digester #4 Exit Valve
br.	Total Gas Flow	70.	Secondary Digester #4 Exit Valve
bs.	Gas Flow To Waste Gas Burners	71.	Secondary Digester #4 Exit Valve
bt.	Sludge Flow To Secondary Digester #3	72.	Secondary Digester #4 Exit Valve
bu.	Sludge Flow To Secondary Digester #4	73.	Secondary Digester #4 Exit Valve
bv.	Digester #4 Liquid Level	74.	Secondary Digester #4 Exit Valve
bw.	Digester #1 Gas Pressure	75.	Secondary Digester #4 Exit Valve
bx.	Digester #2 Gas Pressure	76.	Secondary Digester #4 Exit Valve
by.	Digester #3 Gas Pressure	77.	Secondary Digester #4 Exit Valve
bz.	Digester #4 Gas Pressure	78.	Secondary Digester #4 Exit Valve
ca.	Primary Digester Sludge Pump Speed	79.	Secondary Digester #4 Exit Valve
cb.	Secondary Digester Sludge Pump Speed	80.	Secondary Digester #4 Exit Valve
cc.	Heater #1 Inlet Water Temperature	81.	Secondary Digester #4 Exit Valve
cd.	Heater #1 Discharge Water Temperature	82.	Secondary Digester #4 Exit Valve
ce.	Heater #2 Inlet Water Temperature	83.	Secondary Digester #4 Exit Valve
cf.	Heater #2 Discharge Water Temperature	84.	Secondary Digester #4 Exit Valve

CPDH



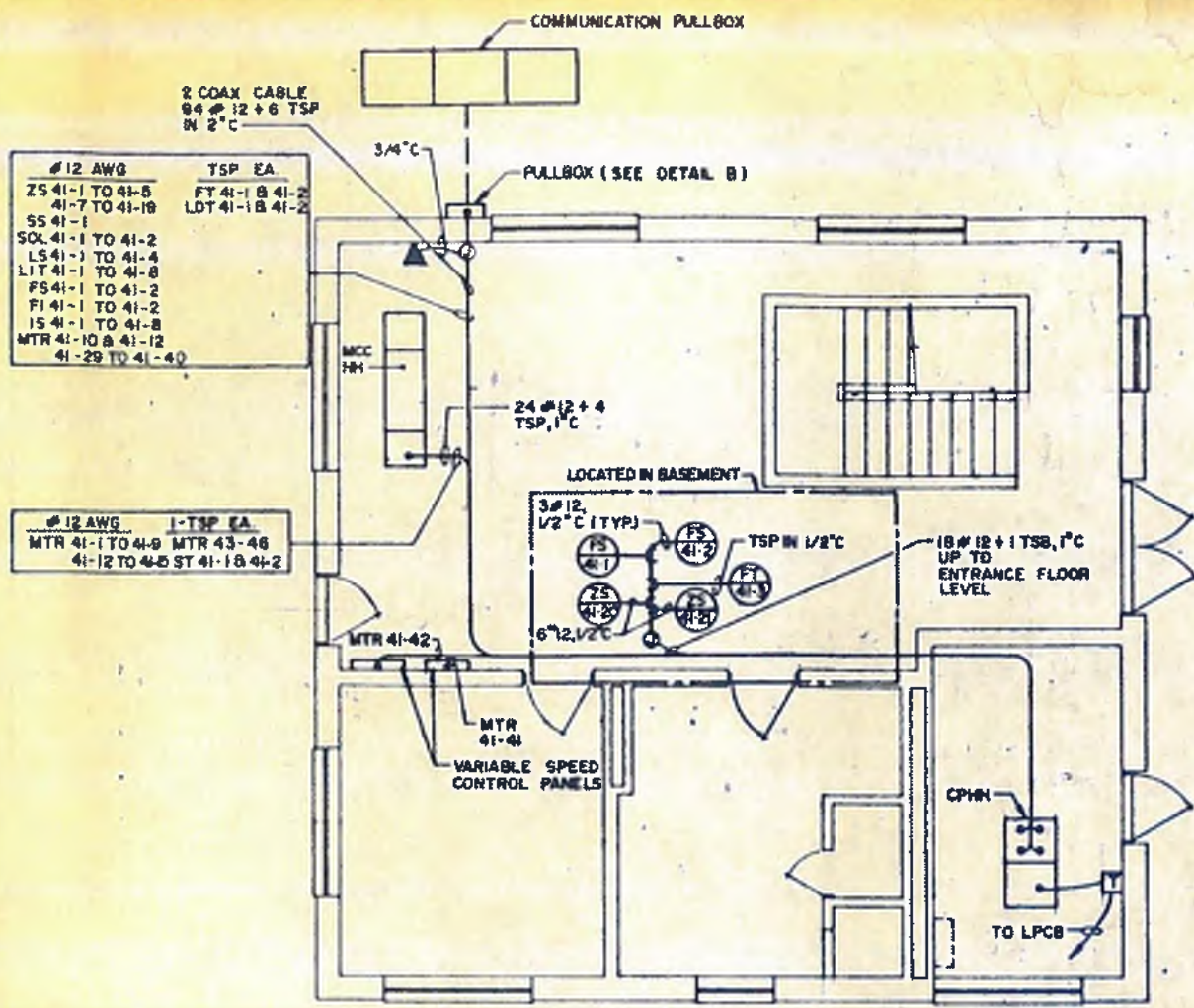
- da. Digester #3 Gas Compressor Start/Stop
- db. Digester #4 Gas Compressor Start/Stop
- dc. Digester #1 Gas Compressor Start/Stop
- dd. Digester #2 Gas Compressor Start/Stop
- de. Digester #3 Gas Compressor Start/Stop
- df. Digester #4 Gas Compressor Start/Stop

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atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
INSTRUMENTATION CONTROL PANELS
CPPG & CPDH

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREET
BUREAU OF POLLUTION CONTROL

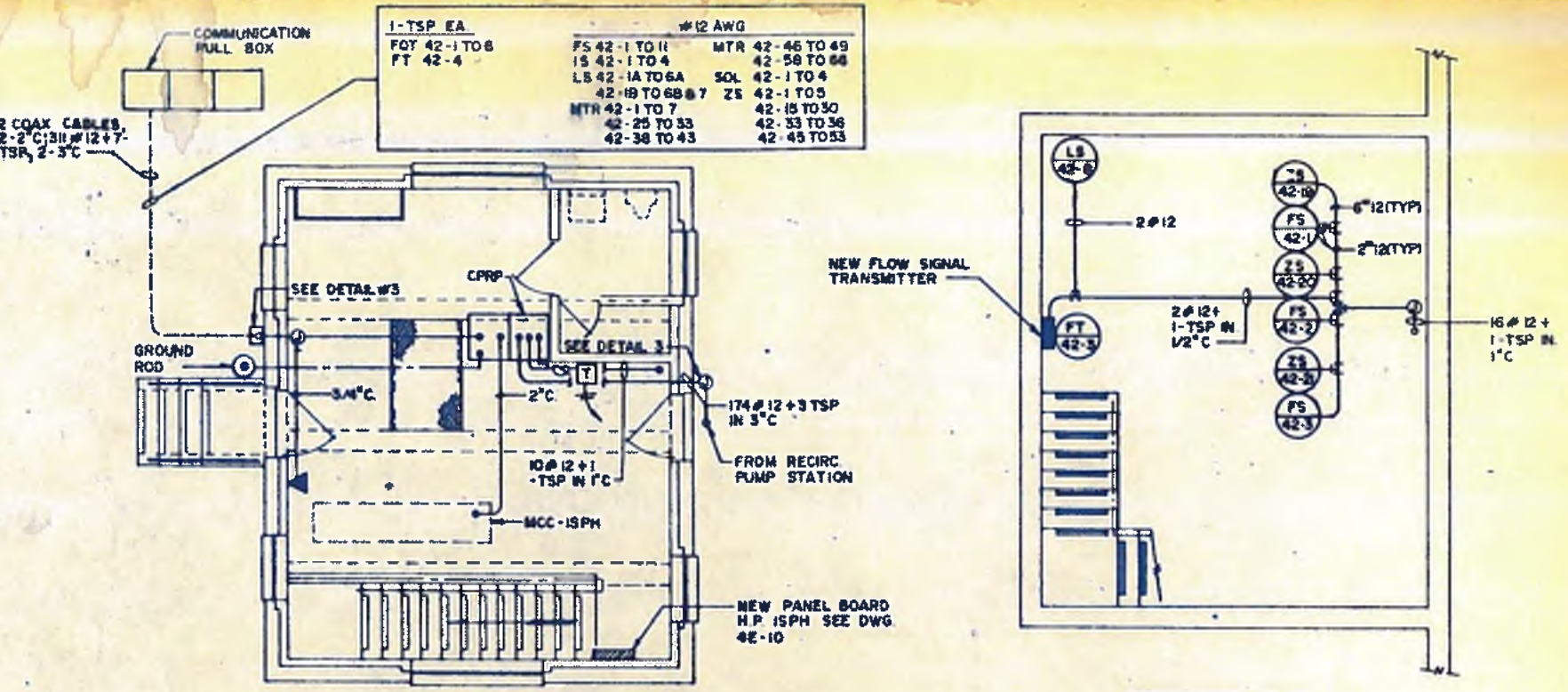
ORGN: <i>WR</i>	APPROVED:	DATE: 10, MAY 1982	DRAWING NO.: 4-N-5
DRWN: <i>CDL</i>	SCALE: NONE		
CHECK: <i>JL</i>			



HEAD HOUSE PLAN
SCALE: 1/4" = 1'-0"

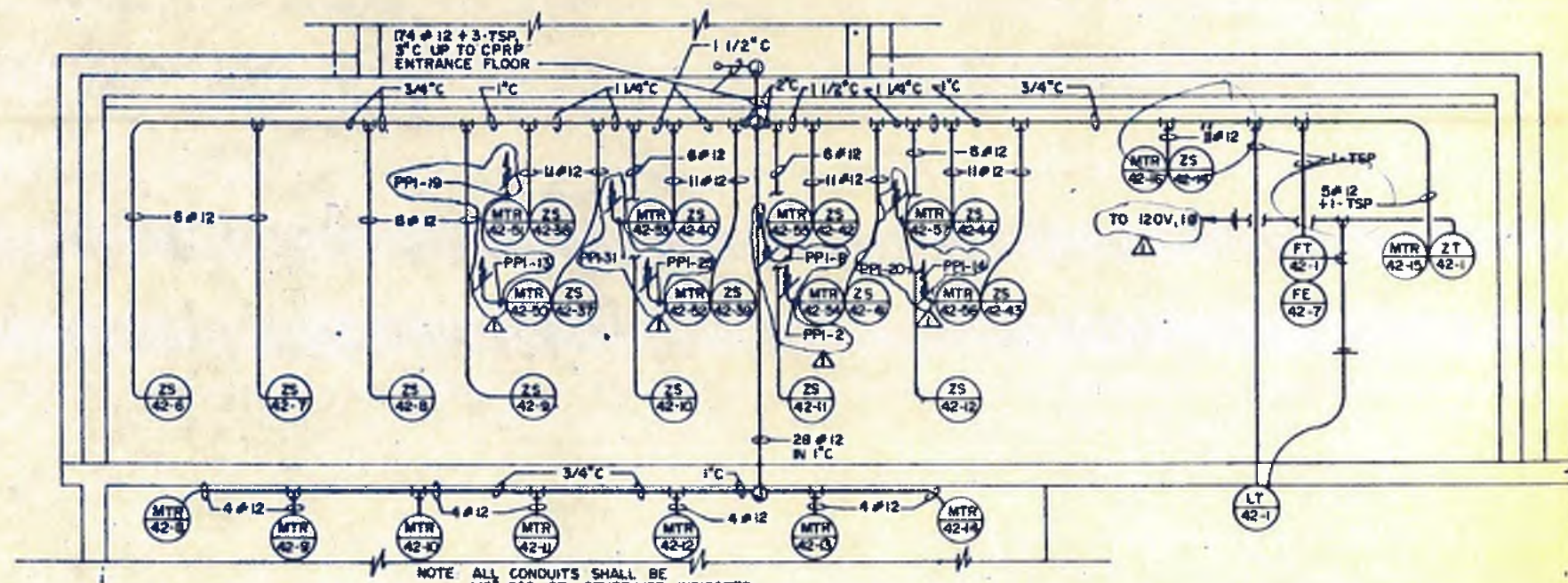
NOTE: CONTRACTOR SHALL PROVIDE 120V, 18, 3W POWER FOR INSTRUMENT TRANSMITTERS AS REQUIRED FROM EXISTING LIGHTING PANELS

WIRE COUNTS & CONDUITS REVISED



ENTRANCE FLOOR PLAN
INTERMEDIATE PUMP HOUSE
SCALE: 1/4" = 1'-0"

BASEMENT PLAN
INTERMEDIATE PUMP HOUSE
SCALE: 1/4" = 1'-0"



RECIRCULATION PUMP STATION
SCALE: 1/4" = 1'-0"

NOTE ALL CONDUITS SHALL BE 1/2" RGS OR OTHERWISE INDICATED

2 K&B/KW SEE NOTE FOR ENTIRE SET ADD. NO. 4			
1 6-182, K&W REVISED AS NOTED ADD. NO. 3			
NO.	DATE	BY	DESCRIPTION
REVISIONS			



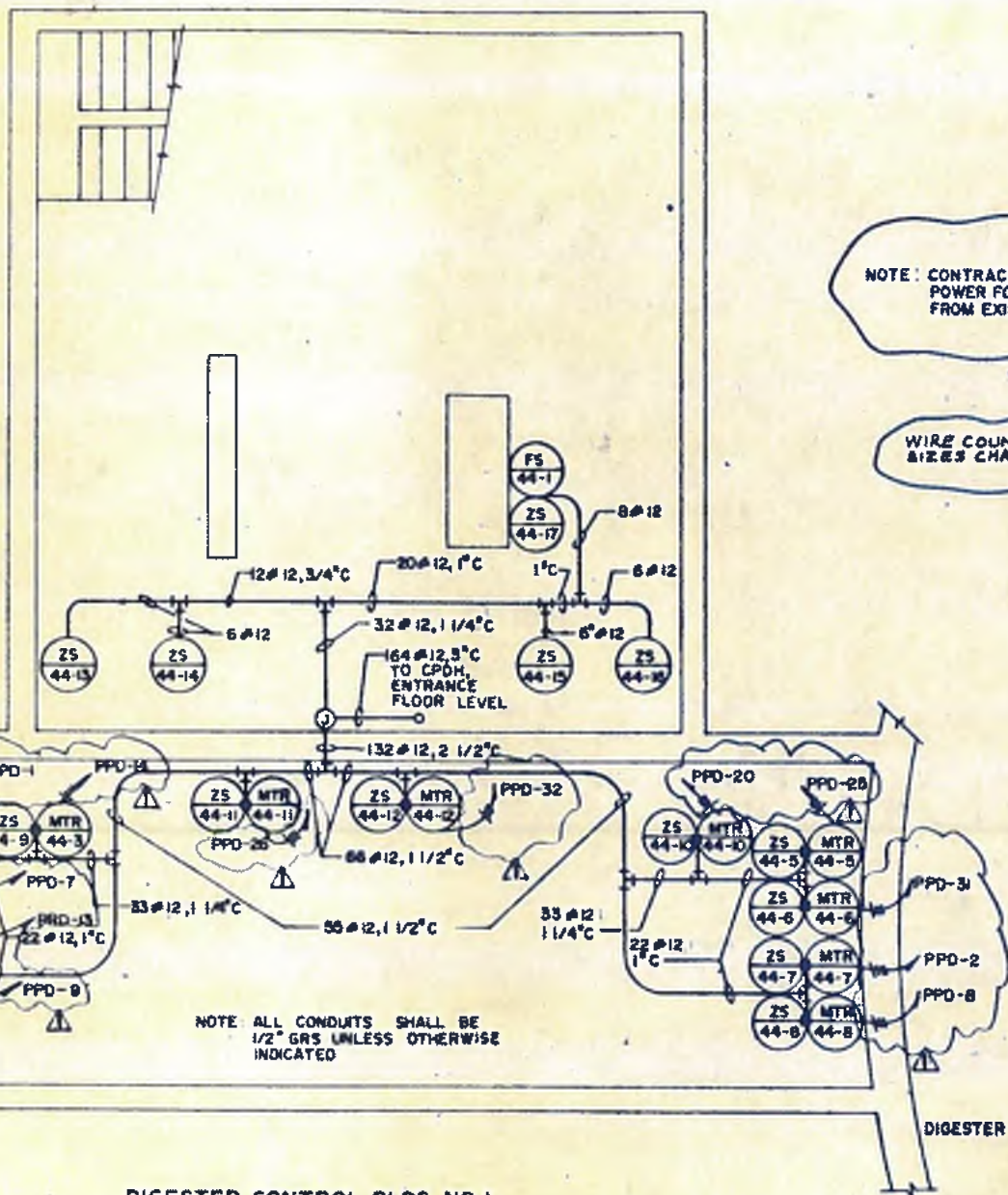
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atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
MISCELLANEOUS PLANS & DETAILS

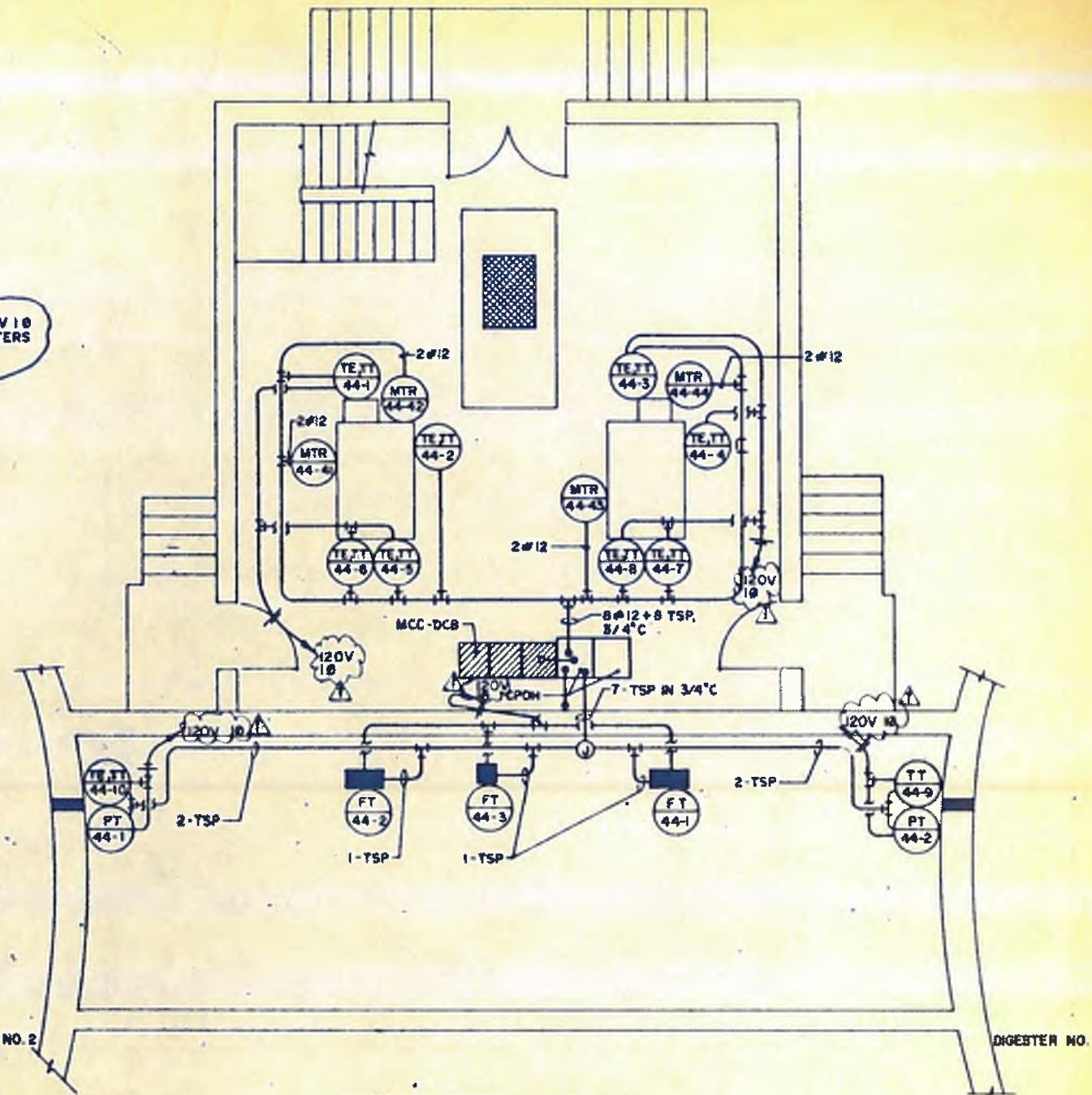
CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

OWNER	K&W	APPROVED	
DESIGNER	DR		
CHECKED	ELR	SCALE	AS NOTED
		DATE	10, MAY 1982
LAND LOT		DISTRICT	
APPROVED		COUNTY	
		SHEET NO.	164
		DRAWING NO.	4-N-8



DIGESTER CONTROL BLDG. NO. 1
 BASEMENT PLAN
 SCALE: 1/4" = 1'-0"



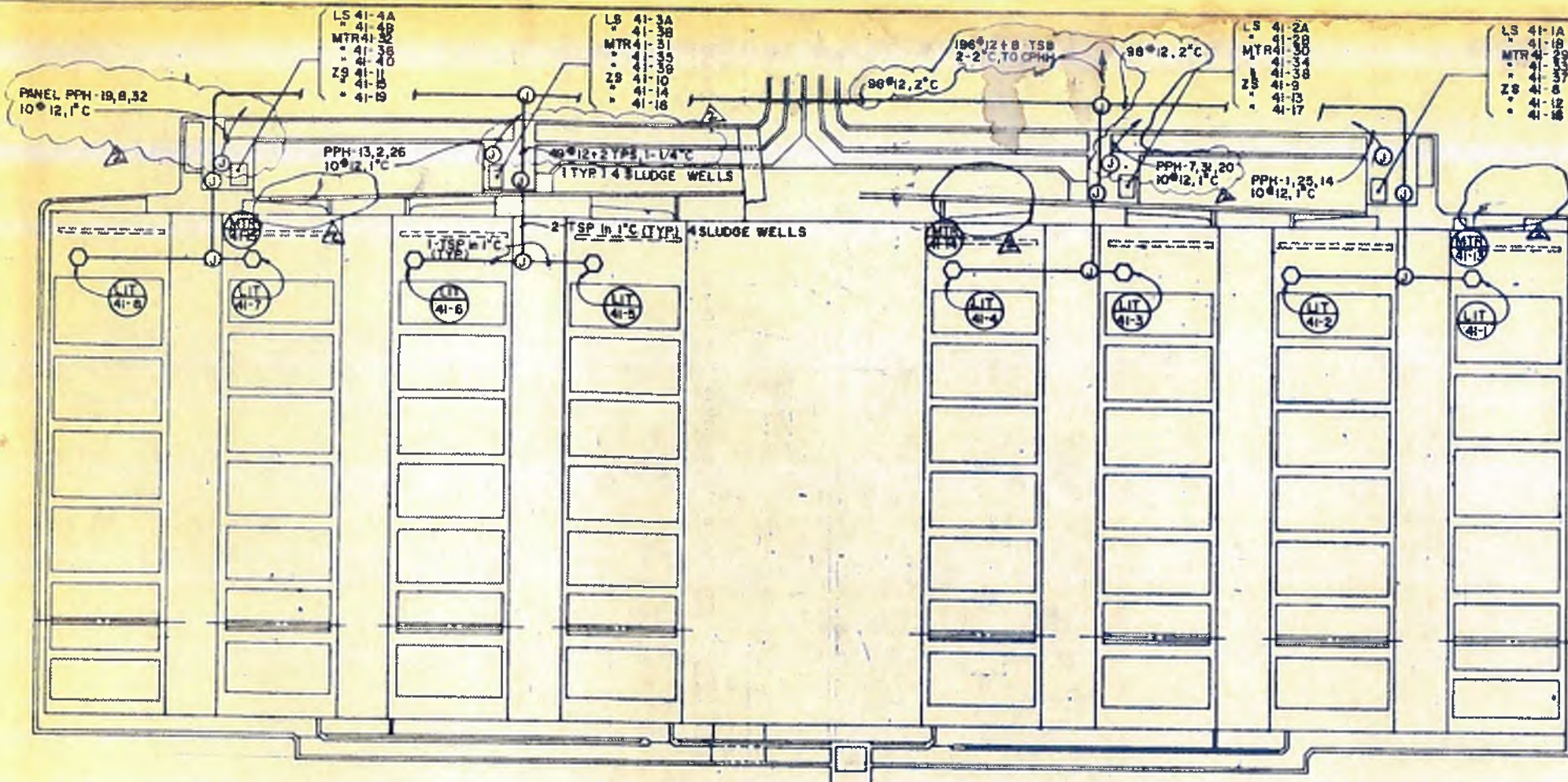
DIGESTER CONTROL BLDG. NO. 1
 ENTRANCE FLOOR PLAN
 SCALE: 1/4" = 1'-0"

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 INTRENCHMENT CREEK PLANT MODIFICATIONS
 MISCELLANEOUS DETAILS

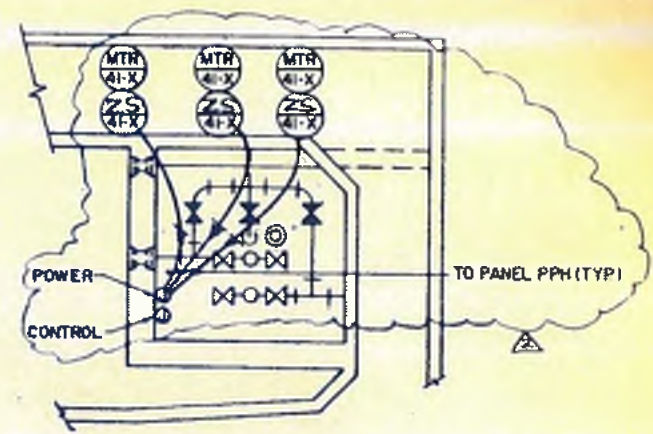
NO.	DATE	BY	DESCRIPTION	PLACES
2	4/26/82	GW	SEE NOTES, ENTIRE SHEET	ADD. NO. 4
1	4/26/82	GW	GEN. REVISIONS	ADD. NO. 3

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL
 THREE RIVERS WATER QUALITY MANAGEMENT PLANS

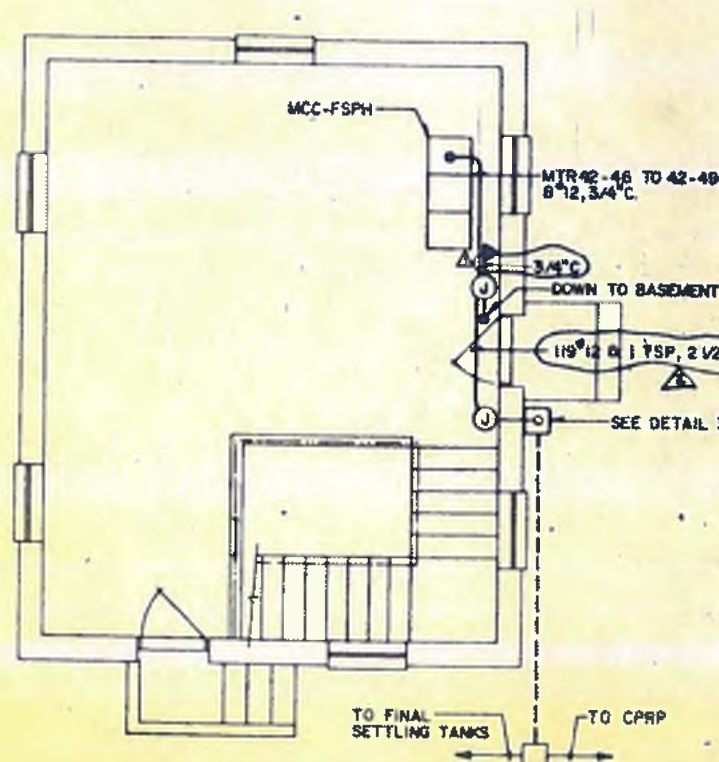
DRWN: GWK	APPROVED:	DISTRICT:	COUNTY:
CHKD: ELC	SCALE: AS NOTED	DATE: 12, MAY 1982	DRAWING NO.: 4N-7



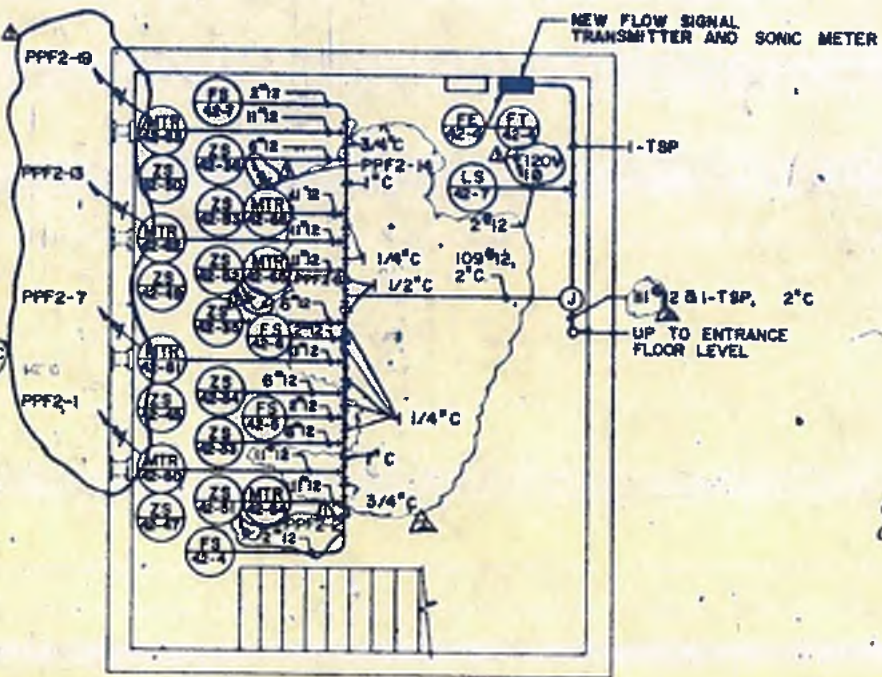
PRIMARY SETTLING TANKS
PLAN VIEW



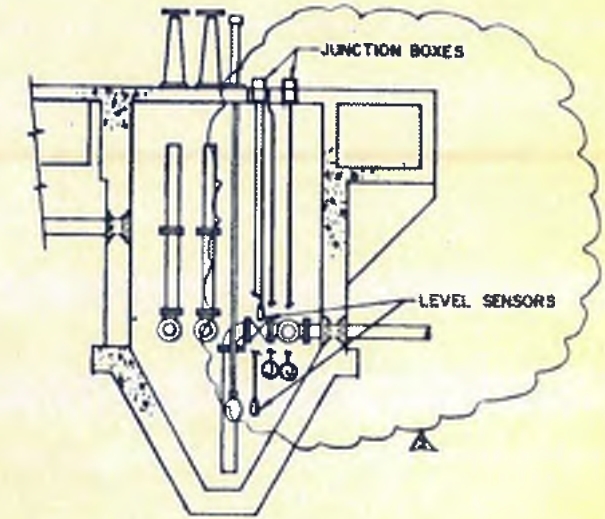
DETAIL OF SLUDGE WELL



FINAL SLUDGE PUMP HOUSE
ENTRANCE FLOOR PLAN



FINAL SLUDGE PUMP HOUSE
BASEMENT PLAN



SECTION

NOTE: CONDUITS SHALL BE 1/2" DIA RGS OR OTHERWISE INDICATED

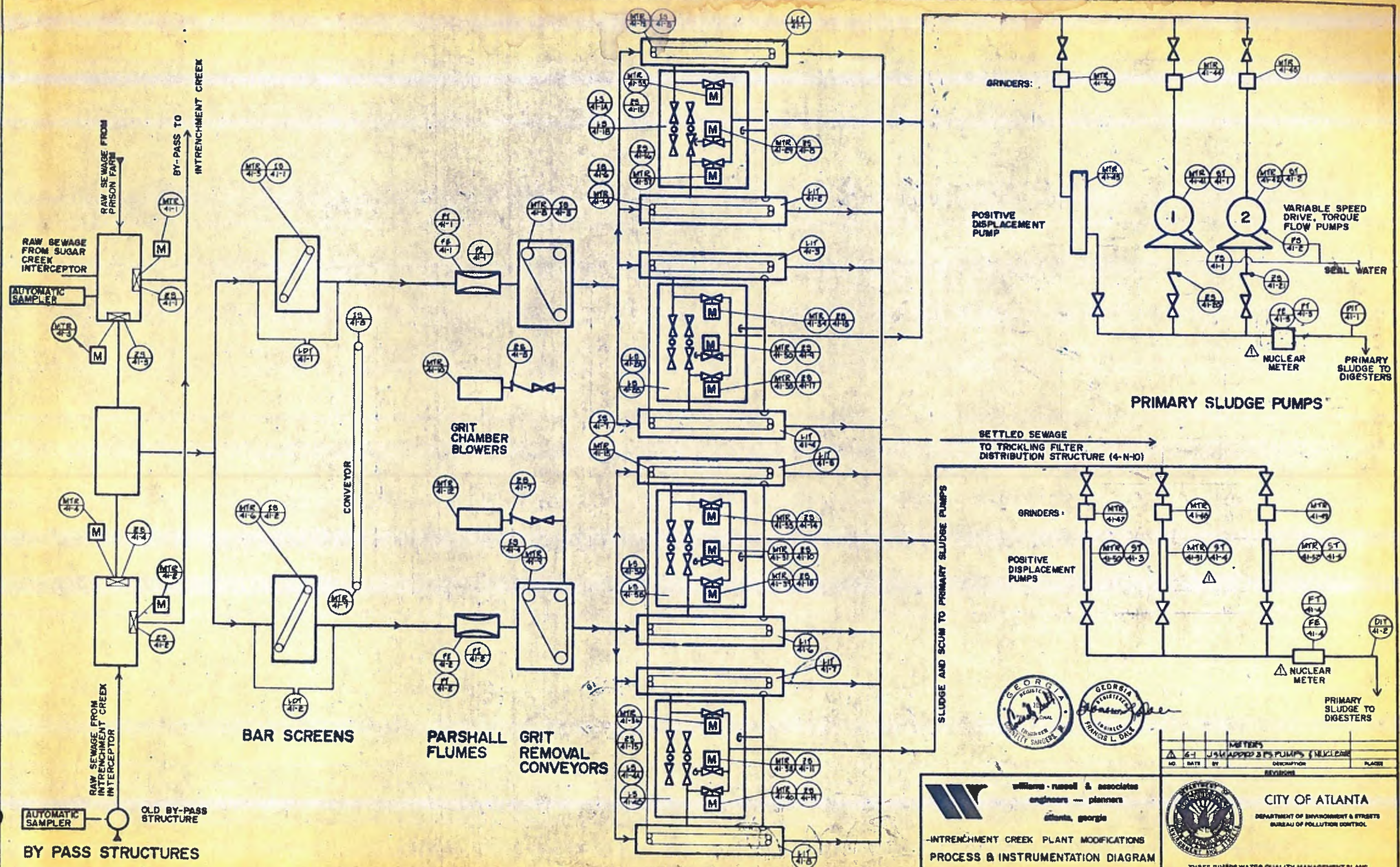
Professional Engineer Seal: *Franklin L. Dale*
Professional Engineer Seal: *Richard L. ...*

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INTRENCHMENT CREEK PLANT MODIFICATIONS
MISCELLANEOUS PLANS & DETAILS

NO.	DATE	BY	DESCRIPTION	PLACES
2	6/15/82	GKW	REVISED AS NOTED	ADD NO. 4
1	6/15/82	GKW	REVISED AS NOTED	ADD NO. 3

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL
THREE RIVERS WATER QUALITY MANAGEMENT PLANS

ORIG	APPROVED	DATE	SCALE	N.T.S.	DATE	IO MAY 82	DRAWING NO.	4 N - 8
GKW	CDL	ZLR	SCALE	N.T.S.	DATE	IO MAY 82	DRAWING NO.	4 N - 8



BY PASS STRUCTURES

BAR SCREENS

PARSHALL FLUMES
GRIT REMOVAL CONVEYORS

PRIMARY CLARIFIERS & SLUDGE WELLS

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-INTRENCHMENT CREEK PLANT MODIFICATIONS
PROCESS & INSTRUMENTATION DIAGRAM
CPHH-FUNCTION-INFLUENT/PRIMARY SLUDGE

DATE: JR APPROVED
DRAWN: WLB
CHECKED: FLD

SCALE: NOT TO SCALE DATE: MAY 10, 1992

CITY OF ATLANTA
DEPARTMENT OF ENVIRONMENT & STREETS
BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

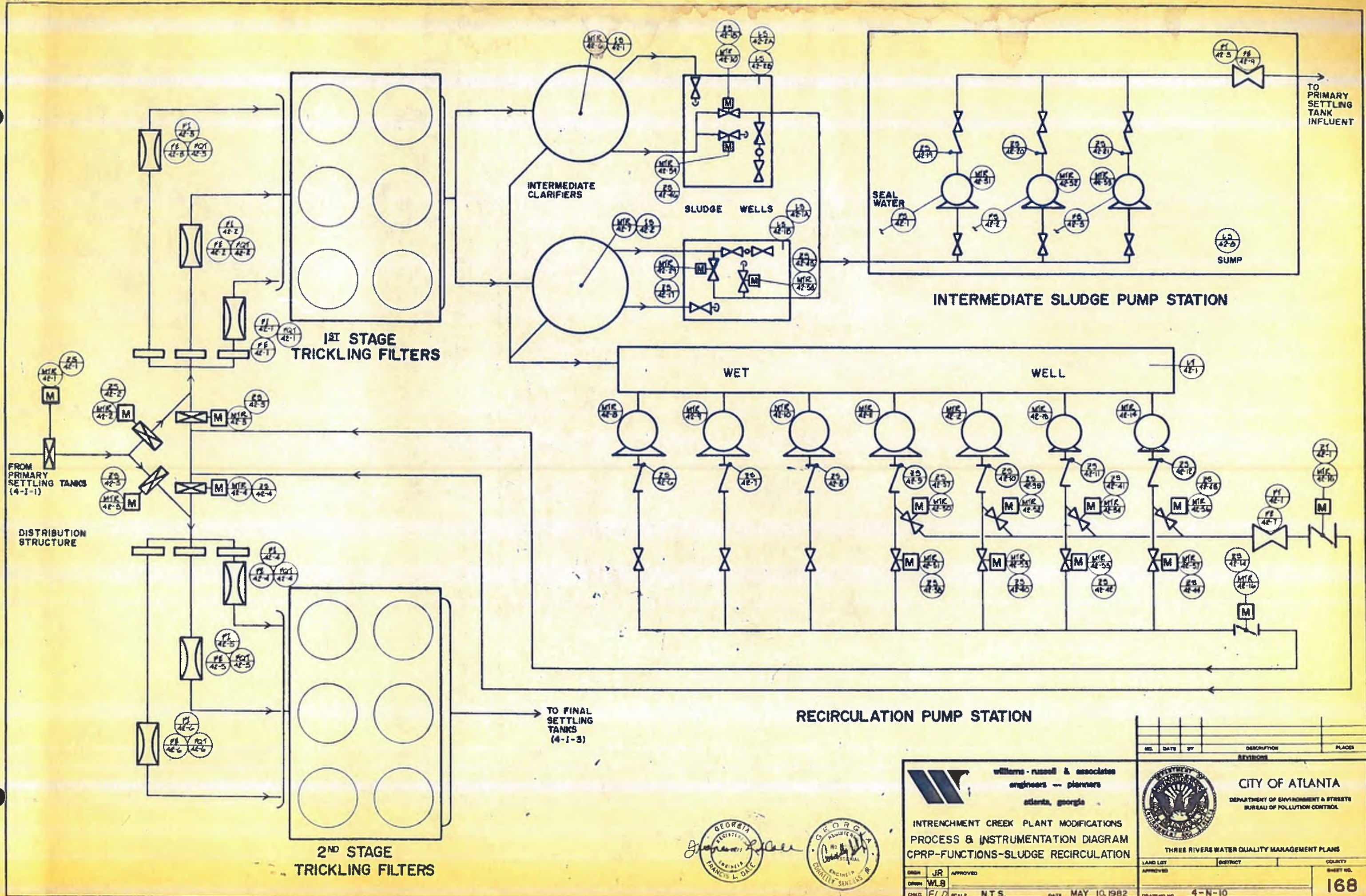
NO.	DATE	BY	DESCRIPTION	PLACED
61		JSM	ADDED 3 P.S. PUMPS (NUCLEAR)	

REVISIONS

LAND LOT APPROVED: COUNTY: SHEET NO. **167**

DRAWING NO. 4-V-9





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INTRENCHMENT CREEK PLANT MODIFICATIONS
PROCESS & INSTRUMENTATION DIAGRAM
CPRP-FUNCTIONS-SLUDGE RECIRCULATION

ORDN JR APPROVED
 ORDN WLB
 DRWD FLD SCALE N.T.S. DATE MAY 10, 1982

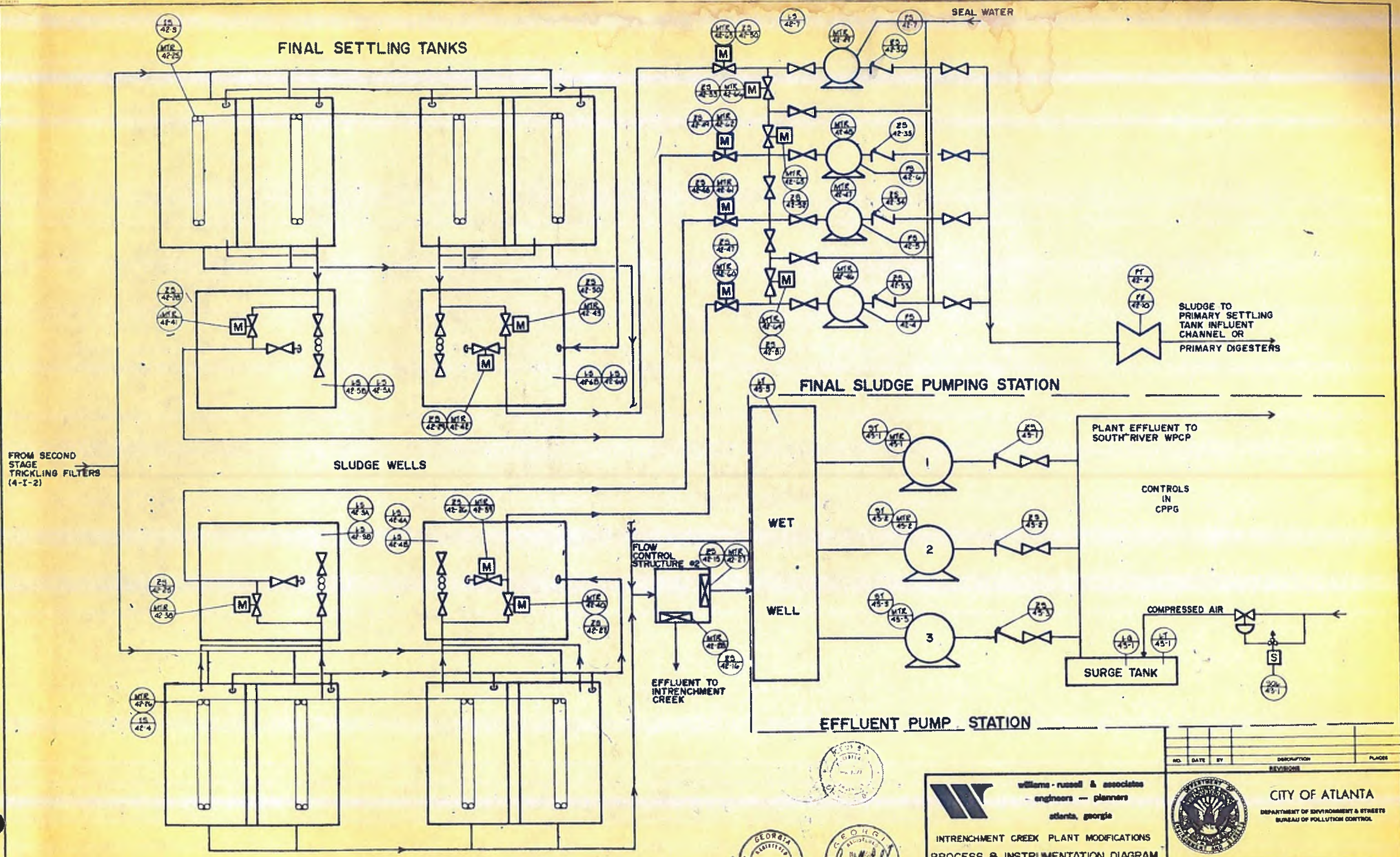
REV.	DATE	BY	DESCRIPTION	PLACED

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY
APPROVED		

SHEET NO. **168**
 DRAWING NO. 4-N-10



FINAL SETTLING TANKS

SLUDGE WELLS

FINAL SLUDGE PUMPING STATION

EFFLUENT PUMP STATION

FINAL SETTLING TANKS

FROM SECOND STAGE TRICKLING FILTERS (4-I-2)

SLUDGE TO PRIMARY SETTLING TANK INFLUENT CHANNEL OR PRIMARY DIGESTERS

PLANT EFFLUENT TO SOUTH RIVER WPCP

CONTROLS IN CPPG

SURGE TANK

EFFLUENT TO INTRENCHMENT CREEK

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INTRENCHMENT CREEK PLANT MODIFICATIONS
 PROCESS & INSTRUMENTATION DIAGRAM
 CPRP-FUNCTIONS-FINAL EFFLUENT

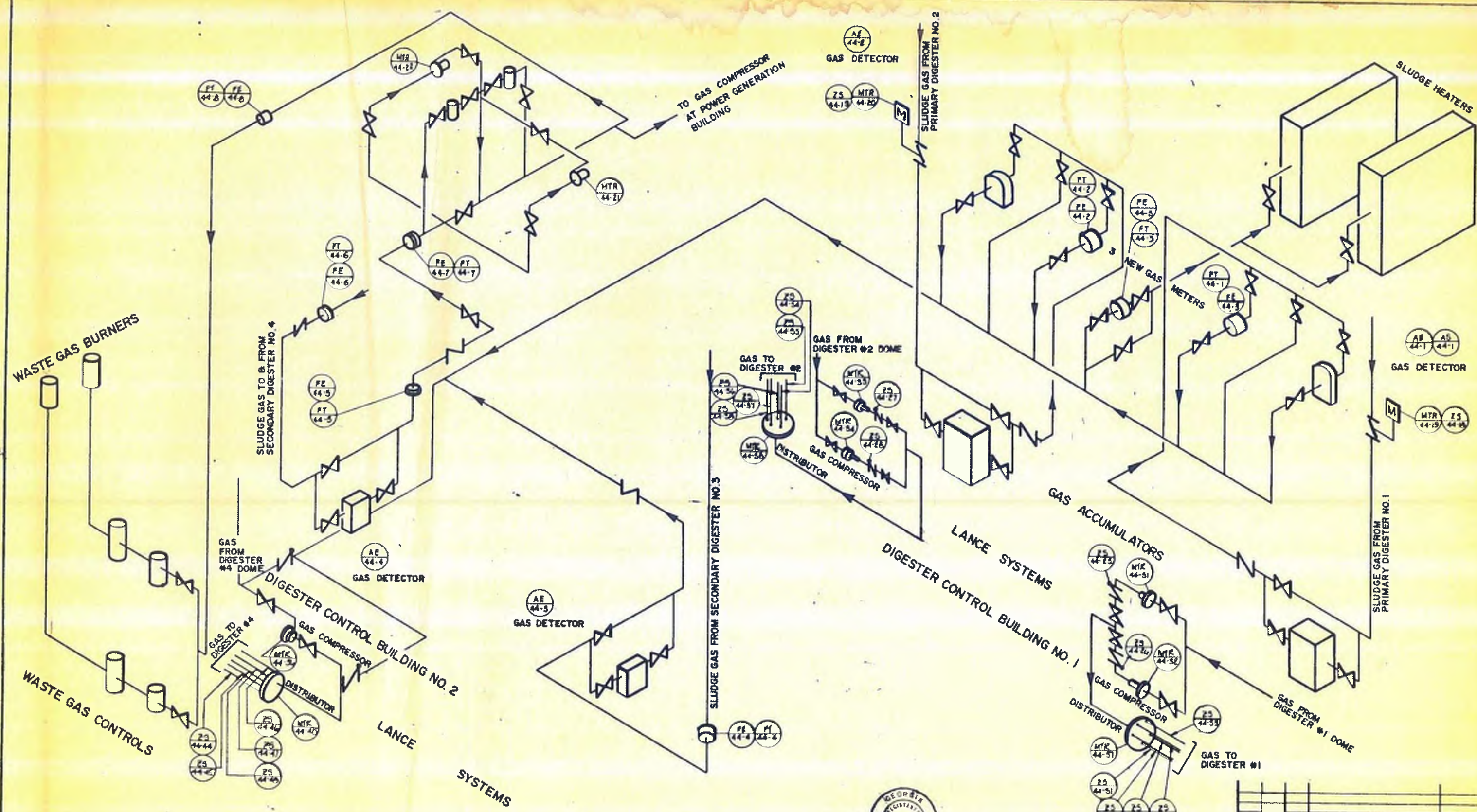
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 No. 22171
 FRANCIS E. DALL

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 No. 22171
 CHARLES S. SANCHEZ

DESIGN	JR	APPROVED	
DRAWN	WLB	APPROVED	
CHECKED	FLO	SCALE	NTS
DATE	MAY 10, 1992		DRAWING NO. 4-N-11



GEORGIA REGISTERED PROFESSIONAL ENGINEER
 FRANCIS L. DAVIS

GEORGIA REGISTERED PROFESSIONAL ENGINEER
 FRANKLYN S. SULLIVAN

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 engineers — planners
 atlanta, georgia

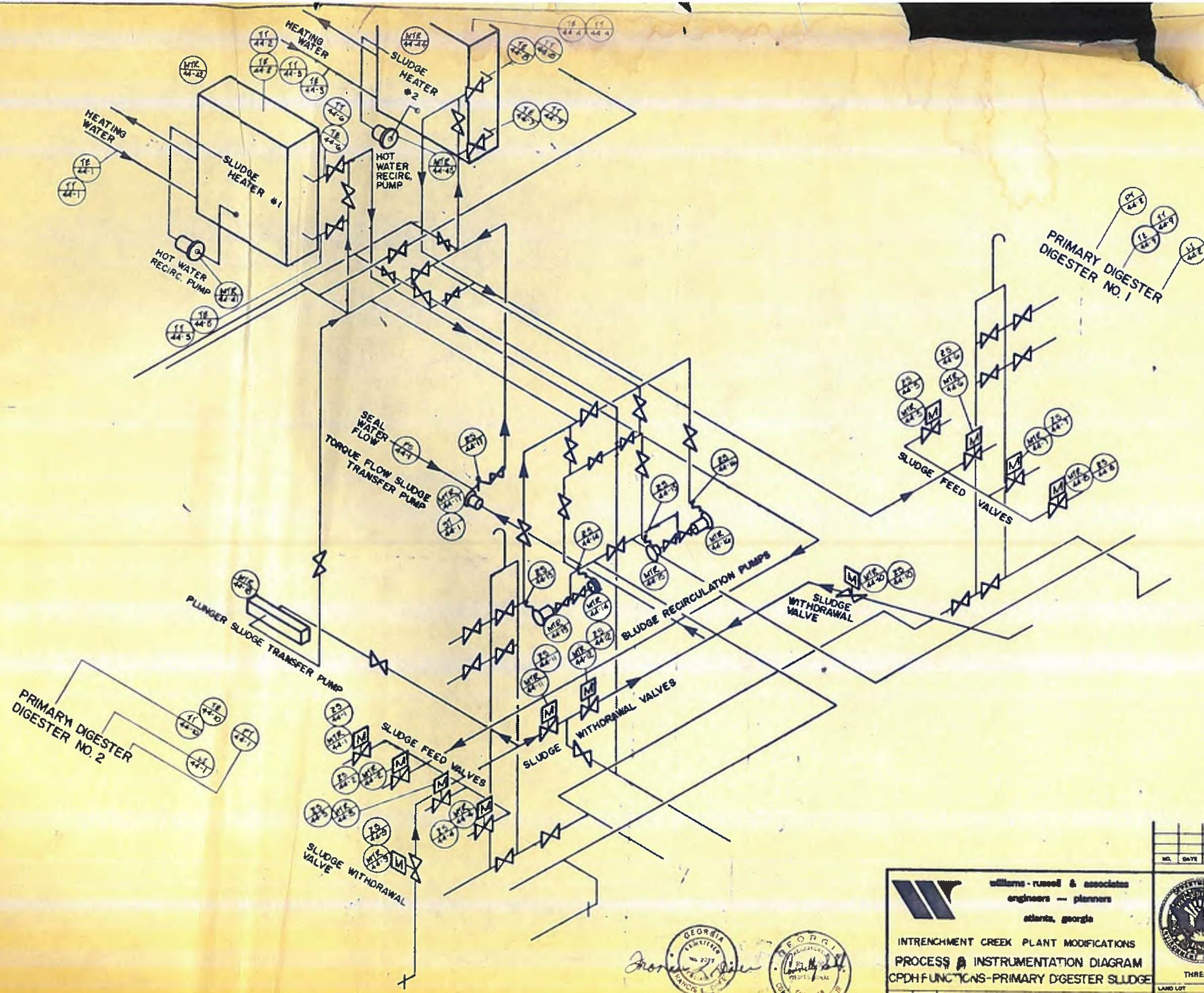
INTRANCHMENT CREEK PLANT MODIFICATIONS
PROCESS & INSTRUMENTATION DIAGRAM
CPDH-FUNCTIONS DIGESTER GAS

NO.	DATE	BY	DESCRIPTION	PLACED

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLAN

DESIGN	JM	APPROVED	
DRAWN	HH		
CHECK	FLD	SCALE	NO SCALE
DATE	MAY 10, 1982		DRAWING NO. 4-N-10



PRIMARY DIGESTER NO. 2

PRIMARY DIGESTER NO. 1

James H. Miller
 GEORGIA REGISTERED PROFESSIONAL ENGINEER
 NO. 2277
 CIVIL ENGINEER
 COLLETT SANDERSON

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 atlanta, georgia

INTRENCHMENT CREEK PLANT MODIFICATIONS
 PROCESS INSTRUMENTATION DIAGRAM
 CPDFUNCTIONS-PRIMARY DIGESTER SLUDGE

DESIGN: JR APPROVED
 DRAWN: WLB
 CHECK: FLD

SCALE: NTS DATE: MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACED

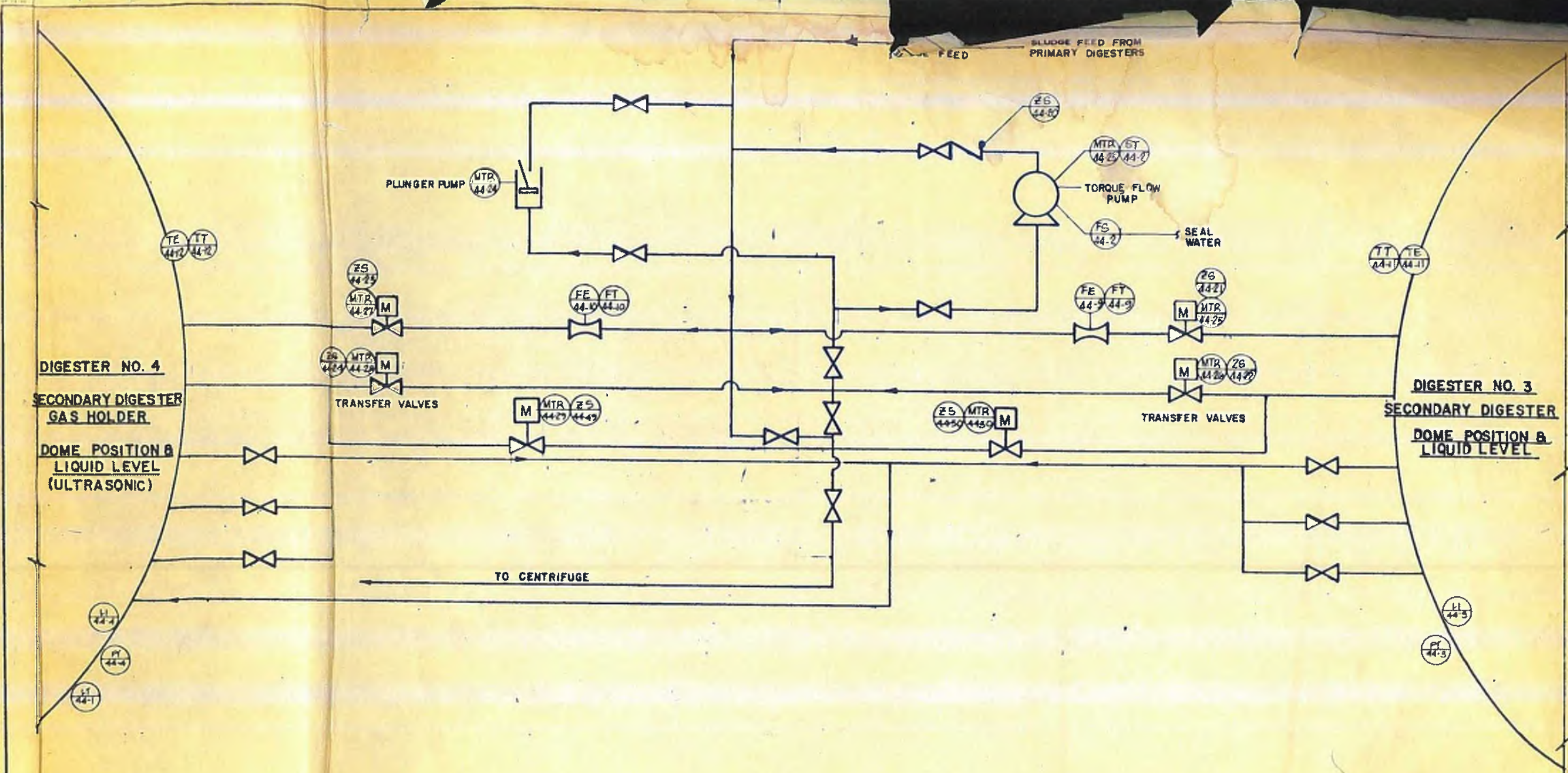
CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL

THREE RIVERS WATER QUALITY MANAGEMENT PLANS

LAND LOT	DISTRICT	COUNTY

APPROVED: _____ SHEET NO. 171

DRAWING NO. 4-N-13



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INTRENCHMENT CREEK PLANT MODIFICATIONS
PROCESS & INSTRUMENTATION DIAGRAM
CPDH-FUNCTIONS-SECONDARY DIGESTER
SLUDGE
 DESIGNED BY: JR
 DRAWN BY: WLB
 CHECKED BY: NTS
 APPROVED: _____
 DATE: MAY 10, 1982

NO.	DATE	BY	DESCRIPTION	PLACES

CITY OF ATLANTA
 DEPARTMENT OF ENVIRONMENT & STREETS
 BUREAU OF POLLUTION CONTROL
THREE RIVERS WATER QUALITY MANAGEMENT PLANS
 DISTRICT: _____ COUNTY: _____ SHEET NO: 172
 DATE: 4-4-82