

EXHIBIT D.2

DRAWINGS: 30% DESIGN PLANS FOR BID (not for Construction)

(See Volume II)

CITY OF ATLANTA

DEPARTMENT OF WATERSHED MANAGEMENT

BUREAU OF ENGINEERING SERVICES

CITY OF ATLANTA
KASIM REED
MAYOR



PROJECT DESCRIPTION

THE CITY OF ATLANTA (THE "CITY") IS SOLICITING PROPOSALS FROM QUALIFIED PROPONENTS FOR THE DESIGN AND CONSTRUCTION OF IMPROVEMENTS TO THE DISCHARGE MANIFOLD PIPING, VALVES, AND FITTINGS, AS WELL AS OTHER PIPING, VALVES, AND FITTINGS AT THE HARTSFIELD-JACKSON ATLANTA INTERNATIONAL AIRPORT PUMP STATION. THE WORK INCLUDES, BUT IS NOT LIMITED TO DEMOLITION OF EXISTING DUCTILE IRON PIPE, FITTINGS, AND VALVES; PERFORM PIPE ABANDONMENT VIA GROUT FILL; INSTALLATION OF NEW ABOVE AND BELOW GRADE DUCTILE IRON PIPE, FITTINGS, AND VALVES; INSTALLATION OF NEW FLOW METERS; CONSTRUCTION OF REINFORCED CONCRETE FOUNDATION SLABS; STRUCTURAL AND ARCHITECTURAL MODIFICATIONS TO THE EXISTING PUMP STATION BUILDING TO FACILITATE THE NEW ABOVE GRADE PIPING; TEMPORARY BYPASS PUMPING AND PIPING; DEWATERING; STORM DRAINAGE; ELECTRICAL AND CONTROLS; AND EROSION AND SEDIMENT CONTROL.

EROSION NOTE:

I CERTIFY THAT THE PERMITEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES AS REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH LAND DISTURBANCES ACTIVITY WAS PERMITTED.

EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMP'S) WILL BE EMPLOYED AND ENFORCED PURSUANT TO AN EROSION AND SEDIMENT CONTROL PLAN PREPARED BY A GEORGIA SOIL AND WATER CONSERVATION COMMISSION LEVEL-2 DESIGN PROFESSIONAL.

THIS PROJECT IS EXEMPT FROM NPDES PERMITTING REQUIREMENTS, DISTURBED AREA IS LESS THAN 1 ACRE.

EROSION NOTE:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY DIRECT SUPERVISION"

GA, SOIL AND WATER CONSERVATION COMMISSION (GSWCC)
LEVEL 2 DESIGN PROFESSIONAL NUMBER 000022495

GA PROFESSIONAL ENGINEER

TREE PROTECTION ORDINANCE

PLEASE NOTE THAT THESE PLANS DO REQUIRE THE REMOVAL OF TREES. COMPLIANCE WITH CITY OF ATLANTA TREE PROTECTION ORDINANCE IS REQUIRED. PLEASE CONTACT CITY OF ATLANTA ARBORIST FOR MORE INFORMATION AT (404) 330-6150.



30% DESIGN PLANS ISSUED FOR BID (NOT FOR CONSTRUCTION) FOR HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT

FULTON COUNTY, GEORGIA
DISTRICT 13, LL 22

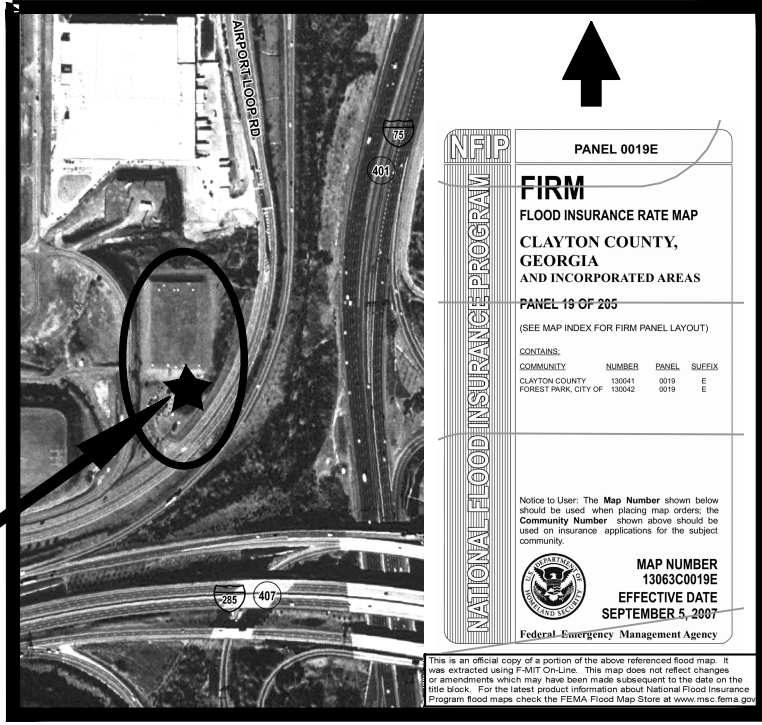
MAY 2015

DEPARTMENT OF WATERSHED MANAGEMENT
JO ANN J. MACRINA, P.E.
COMMISSIONER

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SITE LOCATION



FIRM FLOOD INSURANCE RATE MAP

NOTE:
STATE WATERS ARE LOCATED ON OR
WITHIN 200 FT OF THIS SITE.

F.I.R.M. NOTE
AS SHOWN ON FLOOD INSURANCE RATE MAP
OF FULTON COUNTY, GEORGIA COMMUNITY
PANEL NUMBER: 13121C0367 E
EFFECTIVE DATE JUNE 22, 1998,
THIS PROPERTY IS LOCATED IN ZONE X,
INSIDE THE 100 YR FLOOD HAZARD ZONE.

24 HOUR CONTACT
ATLANTA WASTEWATER
CALL CENTER
(404) 954-6340



	REVISIONS	
	DATE	DESCRIPTION
PRELIMINARY NOT FOR CONSTRUCTION		
ENGINEER OF RECORD		

LEGEND

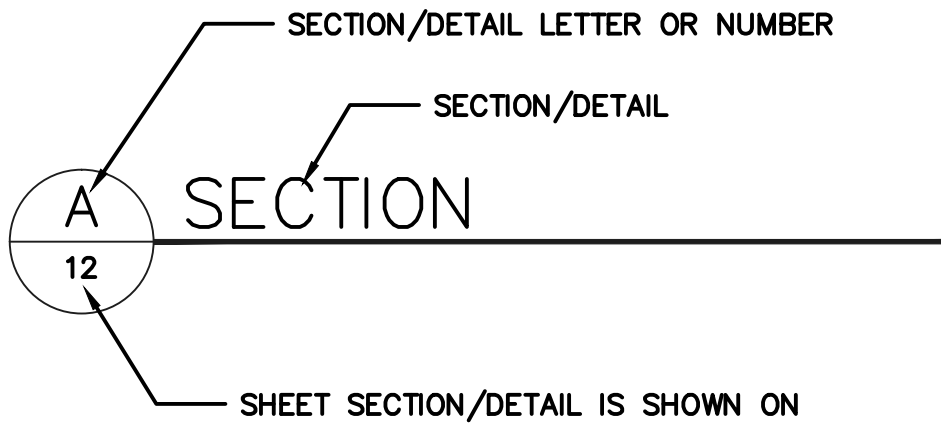
DESCRIPTION	EXISTING	PROP.
RIGHT OF WAY	— — — — — R/W — — — — —	
LAND LOT LINE	— — — — —	
PROPERTY LINE	— — — — — P — — — — —	
CENTER LINE/BASE LINE	— — — — — C — — — — —	
FENCE	— X — — — X — — — X — — — X —	
EDGE OF PAVEMENT	— — — — — EOP — — — — —	
CENTER LINE OF SWALE/CREEK	— — — — —	
CONTOUR	— — — — — 900 — — — — —	
UNDERGROUND ELECTRIC	— — — — — UE — — — — —	
OVERHEAD ELECTRIC	— — — — — OHE — — — — —	
UNDERGROUND TELEPHONE	— — — — — UT — — — — —	
UNDERGROUND TV CABLE	— — — — — CTV — — — — —	
GAS MAIN	— — — — — GAS — — — — — GAS — — — — —	
WATER MAIN	— — — — — W — — — — — W — — — — —	
WATER MAIN (ABANDON)	— — — — — W — — — — — W — — — — —	
SANITARY SEWER AND MANHOLE	— — — — — S — — — — —	
STORM DRAIN AND MANHOLE	— — — — — D — — — — —	
SILT FENCE	— X — — — X — — — X — — — X —	
CABLE TV BOX	C	
GUY POLE	⊙	
UTILITY POLE (T=TELEPHONE, P=POWER, L=LIGHT)	⊙	
UNDERGROUND TELEPHONE BOX	T	
TELEPHONE MANHOLE	TM	
METER BOX (W=WATER, G=GAS)	W G	
CATCH BASIN	□	
DROP INLET	■	
HEADWALL	— — — — —	
CITY OF ATLANTA SURVEY CONTROL POINT	△	
PROPERTY MARKER (IPF=IRON PIN FOUND)	○	
RETAINING WALL	L	
CLEANOUT	CO	
SIDEWALK	— — — — —	
CURB AND GUTTER	— — — — —	
SIGNIFICANT TREE	g TREE	
BORING LOCATION AND NUMBER	B-1	
WATER VALVE	WV	
WATER METER	WM	
FIRE HYDRANT	⊙	
BRACE BLOCK(THRUST BLOCK)		
CUT & PLUG		
TEE		
INCREASER		
REDUCER		
SLEEVE		
BALL VALVE		
BUTTERFLY VALVE		

ABBREVIATIONS

ABAND	ABANDONED	MH	MANHOLE
BB	BRACE BLOCK	MAX	MAXIMUM
BRK	BRICK	MIN	MINIMUM
BRK	BRICK	NTS	NOT TO SCALE
CB	CATCH BASIN	NO	NUMBER
CC	CENTER TO CENTER	OD	OUTSIDE DIAMETER
CIRCUM	CIRCUMFERENCE	P	PIPE
CL	CLASS	PL	PROPERTY LINE
CO	CLEAN OUT	PROP.	PROP.
CCTV	CLOSED CIRCUIT TELEVISION	R	RADIUS
COMB	COMBINED	RCP	REINFORCED CONCRETE PIPE
CONC	CONCRETE	RCV	REMOTE CONTROLLED VALVE
CP	CLAY PIPE	RQD	REQUIRED
C	CONDUIT	REV	REVISED OR REVISION
CMP	CORRUGATED METAL PIPE	RT	RIGHT
CULV	CULVERT	R/W	RIGHT-OF-WAY
DIAG	DIAGONAL	SECT	SECTION
DIA	DIAMETER	SPEC	SPECIFICATION (S)
DIM	DIMENSION	STL	STEEL
DWG	DRAWING	SD	STORM DRAIN
DW	DRIVEWAY	SS	SANITARY SEWER
DIP	DUCTILE IRON PIPE	ST	STREET
DI	DROP INLET	T	TELEPHONE
D.V.	DIVISION VALVE	TS&V	TAPPING SLEEVE AND VALVE
E/P	EDGE OF PAVEMENT	TYP	TYPICAL
EL	ELEVATION	UG	UNDERGROUND
ELL.	ELBOW	VCP	VITRIFIED CLAY PIPE
EXIST.	EXISTING	VERT	VERTICAL
FH	FIRE HYDRANT	W	WATER
FT	FOOT OR FEET	WM	WATER METER
G	GAS	WV	WATER VALVE
GM	GAS METER		
GV	GAS VALVE		
HDPE	HIGH DENSITY POLYETHYLENE		
HORIZ	HORIZONTAL		
HE	HORIZONTAL ELLIPTICAL		
IN	INCH		
ID	INSIDE DIAMETER		
INV	INVERT		
LT	LEFT		
LF	LINEAR FEET		
LOC	LOCATION		

TITLE MARKERS

PLAN VIEW



SECTION MARKERS

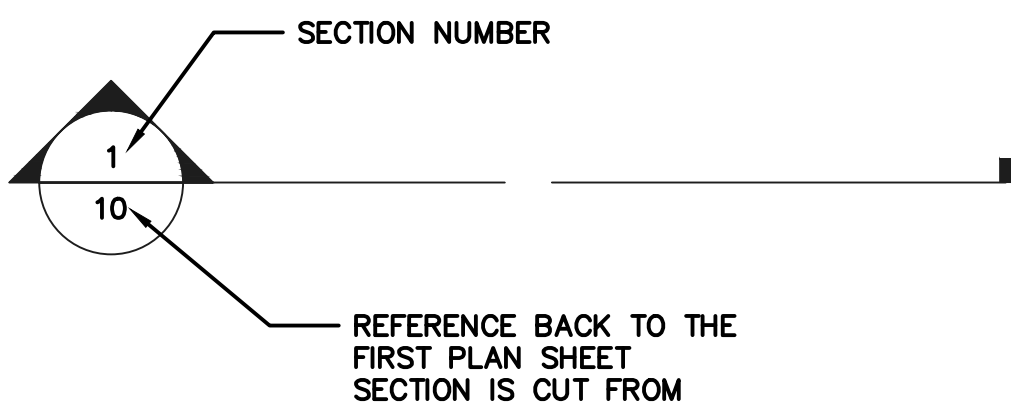
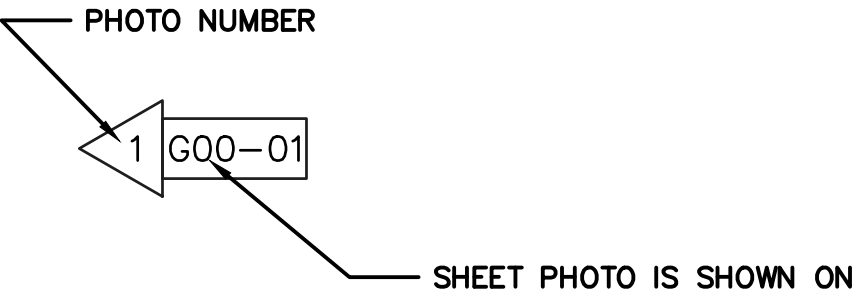
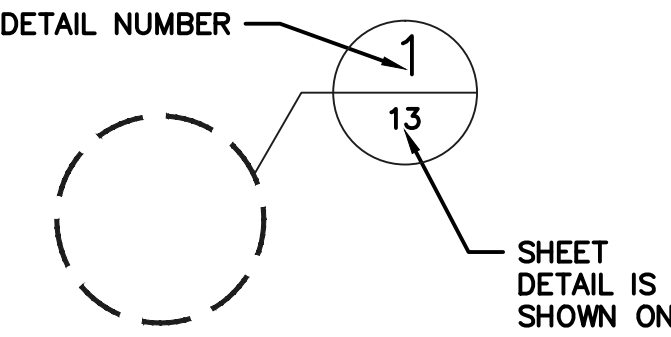


PHOTO MARKER



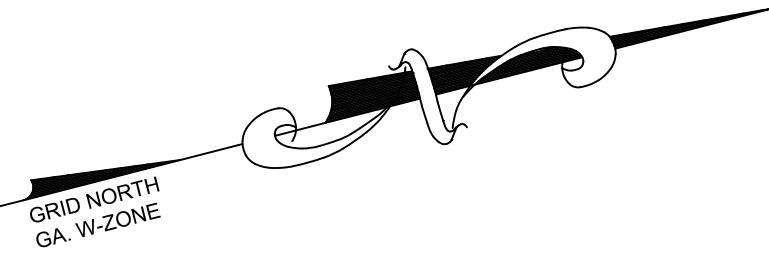
DETAIL MARKERS



UTILITY COMPANIES

AG	ATLANTA GAS LIGHT COMPANY
BOW	BUREAU OF DRINKING WATER
GP	GEORGIA POWER COMPANY
CTV	UNDERGROUND CABLE COMPANIES
UT	UNDERGROUND TELEPHONE

NORTH ARROW



DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED									
PRELIMINARY NOT FOR CONSTRUCTION	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES					
	NO.	DATE	DESCRIPTION	FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT GENERAL LEGEND AND ABBREVIATIONS					
				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY
				---	---	---	22	13	FULTON
				DRAWN BY	DESIGNED	BY	CHECKED	BY	APPROVED
ENGINEER OF RECORD				---	---	---	---	---	---
				DATE OF SURVEY	SHEET				
				N/A	2 OF 19				

GENERAL NOTES

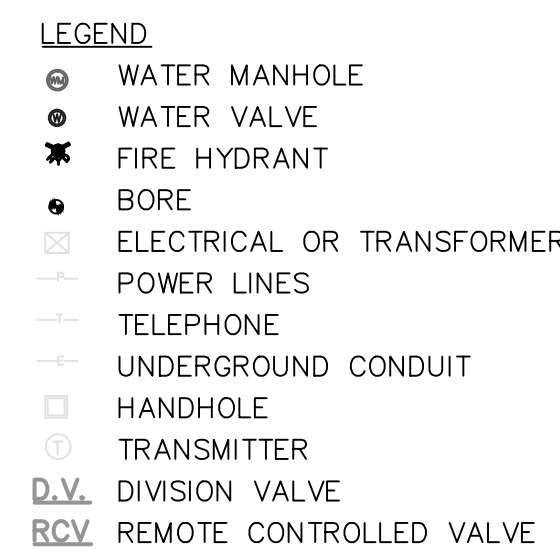
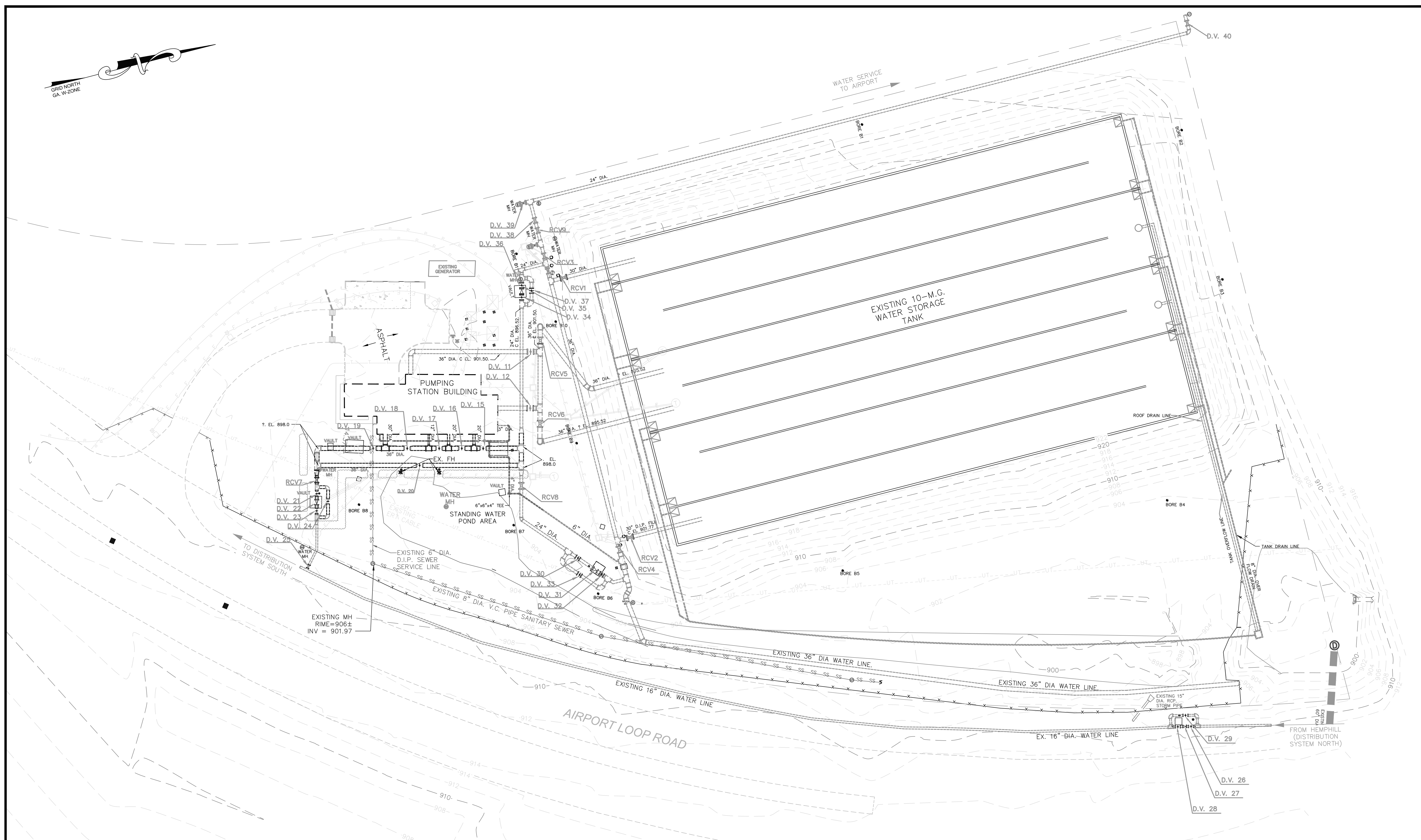
1. BEFORE STARTING CONSTRUCTION THE CONTRACTOR SHALL PROVIDE THE OWNER WITH THE NAME AND TELEPHONE NUMBER OF A PERSON WHO IS AVAILABLE 24-HOURS A DAY TO CONTACT IN CASE OF AN EMERGENCY.
2. EXISTING UTILITIES AND FACILITIES SHOWN ON THESE DRAWINGS WERE TAKEN FROM EXISTING AVAILABLE INFORMATION. NO CLAIM IS MADE THAT ALL UTILITIES ARE SHOWN OR ACCURATELY LOCATED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION AND SIZES OF ALL UTILITIES BEFORE BEGINNING CONSTRUCTION.
3. ALL WORK WITHIN GEORGIA DEPARTMENT OF TRANSPORTATION (GDOT) RIGHT-OF-WAY SHALL BE IN STRICT ACCORDANCE WITH THE "UTILITY ACCOMMODATION POLICY AND STANDARDS" (LATEST EDITION).
4. FENCES, MAILBOXES, ETC. THAT MUST BE REMOVED FOR CONSTRUCTION WILL BE REPLACED IN AS GOOD OR BETTER CONDITION THAN BEFORE REMOVAL.
5. ANY ROADWAY, DRIVEWAY, PARKING AREA, SIDEWALK, CONCRETE CURB, AND/OR CURB AND GUTTER REMOVED OR DAMAGED DUE TO INSTALLATION OF THE WORK SHALL BE REPLACED IN KIND AFTER.
6. ALL EXISTING PIPES, OR OTHER FACILITIES ON, ABOVE, OR BELOW GROUND IN THE CONSTRUCTION AREA SHALL BE SUPPORTED AND PROTECTED FROM DAMAGE BY THE CONTRACTOR. IF DAMAGED, THE FACILITIES SHALL BE RESTORED TO EQUAL OR BETTER CONDITION AS APPROVED BY THE ENGINEER AND AT THE EXPENSE OF THE CONTRACTOR.
7. ANY DIRT TRACKED ON THE STREET SHALL BE REMOVED DAILY.
8. THE CONTRACTOR SHALL MINIMIZE DUST CREATED BY CONSTRUCTION ACTIVITIES, INCLUDING STREET SWEEPING AND WATERING.
9. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN AND LOCAL VEHICULAR TRAFFIC AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE SAFETY DEVICES, POLICE OFFICERS AND FLAG MEN TO DIRECT TRAFFIC. THE CONTRACTOR MUST OBTAIN WRITTEN PERMISSION FROM THE OWNER BEFORE CLOSING THE CONSTRUCTION AREA TO PEDESTRIAN AND LOCAL VEHICULAR TRAFFIC.
10. ALL REQUIRED FITTINGS MAY NOT BE SHOWN ON THESE DRAWINGS. CONTRACTOR SHALL SUPPLY FITTINGS NECESSARY TO CONSTRUCT THE WORK TO THE ALIGNMENTS SHOWN ON THE DRAWINGS.
11. EVERY INSTALLED FITTING SHALL BE LEFT EXPOSED UNTIL INSPECTED AND APPROVED BY THE ENGINEER.
12. ALL MEASUREMENTS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED.
13. PIPES CUT FOR FITTING INSTALLATION SHALL BE AT LEAST ONE HALF OF THE TOTAL PIPE LENGTH
14. THE CONTRACTOR SHALL COMPLETE CLEANUP OF THE WORK AREA AT THE END OF EACH WORK DAY. ALL MATERIALS AND DEBRIS SHALL BE REMOVED FROM THE STREET AND DRIVEWAY.
15. ALL NEW PIPING SHALL BE SUCCESSFULLY TESTED, PLACED INTO SERVICE, AND APPROVED BY THE OWNER PRIOR TO ABANDONMENT OF OLD PIPING.
16. SOIL MATERIAL EXCAVATED FROM THE TRENCH IS EXPECTED TO BE SUITABLE FOR BACKFILL FOLLOWING WATER MAIN INSTALLATION. ANY EXCESS EXCAVATED MATERIALS SHALL BE IMMEDIATELY REMOVED FROM THE SITE. NO STOCKPILES ARE PERMITTED IN ANY VEHICULAR OR PEDESTRIAN TRAFFIC AREAS.
17. ALL PROP. VALVES OR APPURTENANCES SHOWN HEREON ARE GRAPHICAL REPRESENTATION ONLY, AND SHALL BE FIELD LOCATED AS DIRECTED BY THE ENGINEER.
18. ALL SURVEY WAS COMPLETED BY CITY OF ATLANTA
19. CONSTRUCTION MAY OCCUR INSIDE THE SECURITY IDENTIFICATION DISPLAY AREA (SIDA). THE SIDA IS THE AIRPORT SECURITY AREA WITH RESTRICTED ACCESS. FOR CONSTRUCTION WITHIN THE SIDA THE CONTRACTOR SHALL BE REQUIRED TO BE FAMILIAR WITH AND MEET ALL REQUIREMENTS FOR ENTERING AND OPERATING IN THIS AREA AT ALL TIMES. FURTHER, THE CONTRACTOR SHALL REMAIN RESPONSIBLE FOR KEEPING ADVISED OF ANY CHANGES IN REQUIREMENTS AND TO ADHERE TO THE CURRENT REGULATIONS INCLUDING THE REGULATIONS FOR SECURITY BADGING AND FINGERPRINTING OF CONTRACTOR PERSONNEL.

20. ALL CONTRACTOR PERSONNEL AND SUBCONTRACTORS WORKING WITHIN THE SIDA SHALL HAVE AIRPORT SECURITY BADGES OR BE ESCORTED BY APPROVED CONTRACTOR ESCORT PERSONNEL. ESCORT PERSONNEL SHALL BE APPROVED BY THE AIRPORT SECURITY OFFICE FOR WORKING WITHIN SIDA. SIDA INCLUDES ALL AREAS WITHIN THE AIRPORT SECURITY FENCE. THE AOA INCLUDES AREAS IN OR WITHIN CLOSE PROXIMITY TO AIRCRAFT MOVEMENT AREAS. SEE GENERAL CONDITIONS FOR BADGING REQUIREMENTS. DUE TO THE TIME NECESSARY TO COMPLETE THE BADGING AND FINGERPRINTING PROCESS, THE CONTRACTOR MAY START THE PROCESS AFTER CONTRACT AWARD AND BEFORE CONSTRUCTION NOTICE-TO-PROCEED.
21. ALL CONTRACTOR PERSONNEL INCLUDING SUBCONTRACTORS ON THE PROJECT SHALL HAVE AND DISPLAY PROPERLY AN OWNER CONTROLLED INSURANCE PROGRAM (OCIP) SAFETY BADGE ISSUED BY THE DEPARTMENT OF AVIATION (DOA). THIS BADGE DISPLAYING A PHOTO OF THE EMPLOYEE SHALL BE WORN AT ALL TIMES WHILE ON THE AIRPORT. TO OBTAIN THIS BADGE EACH EMPLOYEE SHALL ATTEND A 2 HOUR SAFETY CLASS GIVEN AT 7:00 AM EACH MORNING AT THE AIRPORT. THERE IS NO FEE FOR THE BADGE UNLESS A REPLACEMENT IS REQUIRED. FOR MORE INFORMATION ON SAFETY BADGES CONTACT CHUCK OSTRANDER AT 404-766-5241.
22. THIS PROJECT IS NOT LOCATED ADJACENT TO ACTIVE TAXIWAYS AND AIRPORT SERVICE ROADS.
23. THE CONTRACTOR SHALL BE REQUIRED TO OBTAIN AND MAINTAIN 2-WAY RADIOS EQUIPPED TO OPERATE ON THE CITY'S OPERATIONAL FREQUENCY. THIS FREQUENCY SHALL BE MONITORED AT ALL TIMES WHILE WORKING IN THE SIDA TO ASSURE PROPER COORDINATION AND SAFETY. THE CONTRACTOR SHALL SUPPLY ONE CITY OPERATIONAL RADIO FOR EACH ESCORT AND CROSSING GUARD VEHICLE, ONE FOR THE SECURITY GUARD POST NO. 54 AT THE CONTRACTOR'S ACCESS GATE TO THE AIRPORT'S SIDA, ONE FOR THE HAUL ROAD CONTROLLED INTERSECTION, AND ONE FOR EACH ADDITIONAL GUARD POST REQUIRED BETWEEN THE CONSTRUCTION SITE AND SIDA/AOA. THESE RADIOS SHALL BECOME THE PROPERTY OF THE CITY UPON COMPLETION OF THE PROJECT.
24. THE CONTRACTOR SHALL ALSO BE REQUIRED TO PROVIDE FOUR NEW CELL PHONES OR HAND HELD 2-WAY RADIOS, COMPLETE WITH CARRYING CASE AND CHARGER TO THE CITY, EQUIPPED TO OPERATE ON THE CONTRACTOR'S FREQUENCY. THIS FREQUENCY SHALL ALSO BE MONITORED AT ALL TIMES TO ASSURE CONSTANT COMMUNICATION BETWEEN THE CITY AND THE CONTRACTOR. IN ADDITION TO THESE FOUR CELL PHONES OR RADIOS, THE CONTRACTOR SHALL PROVIDE ONE FOR EACH ESCORT VEHICLE. THESE CELL PHONES OR RADIOS WILL BE RETURNED TO THE CONTRACTOR AT THE CONTRACT COMPLETION.
25. THE CONTRACTOR, WITH THE APPROVAL OF THE CITY, SHALL ESTABLISH THE EXACT LIMITS OF THE STAGING AREAS FOR MATERIAL STOCKPILING AND OFFICE TRAILERS WITHIN THE PROJECT SITE.
26. THE CONTRACTOR'S ACCESS ROUTE TO THE PROJECT SITE SHALL BE VIA THE SOUTH LOOP ROAD. OTHER CONSTRUCTION ACCESS WITHIN SIDA, SHALL BE ALLOWED ONLY WITH PRIOR PERMISSION FROM THE CITY OF ATLANTA'S DEPARTMENT OF AVIATION ON CASE-BY-CASE BASIS.
27. THE CONTRACTOR SHALL ESTABLISH AND MAINTAIN A SECURITY GUARD POST AT THE ENTRANCE TO THE SIDA AT THE SITE ENTRANCE. AT NO TIME SHALL THE GATE BE UNLOCKED OR UNATTENDED. WHEN ACTIVELY IN USE THE SECURITY GUARD POST SHALL BE MANNED BY A UNIFORMED SECURITY GUARD HIRED BY THE CONTRACTOR FROM THE SECURITY COMPANY PROVIDING GUARD POST SERVICES TO THE AIRPORT. THE GUARD'S DUTIES SHALL INCLUDE MONITORING TRAFFIC IN AND OUT OF THE SIDA AND PREVENTING UNAUTHORIZED PERSONNEL FROM ENTERING THE SECURITY AREA. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE THE SECURITY COMPANY, AT LEAST ONE WEEK IN ADVANCE, WITH A SCHEDULE SHOWING THE NUMBER OF GUARDS AND TIMES NECESSARY TO SECURE THE GUARD POST. THE CONTRACTOR SHALL PAY ALL BILLS RELATIVE TO THE SECURITY SERVICES IN A TIMELY MANNER; FAILURE TO DO SO SHALL CAUSE PAYMENT TO BE WITHHELD FROM THE CONTRACTOR'S PERIODIC PAYMENT.
28. THE ROADS USED BY THE CONTRACTOR FOR ACCESS OR HAULING SHALL BE KEPT CLEAN AND ACCESSIBLE TO ALL OTHER TRAFFIC FOR THE ENTIRE DURATION OF THE PROJECT. HAUL TRUCKS MUST BE COVERED AND ANY SPILLAGE OR DEBRIS BUILDUP PROMPTLY REMOVED FROM ALL HAUL ROUTES ON AIRPORT AND PUBLIC ROADS. NO SEPARATE PAYMENT SHALL BE MADE FOR KEEPING THE ROADS CLEAR AND ACCESSIBLE.

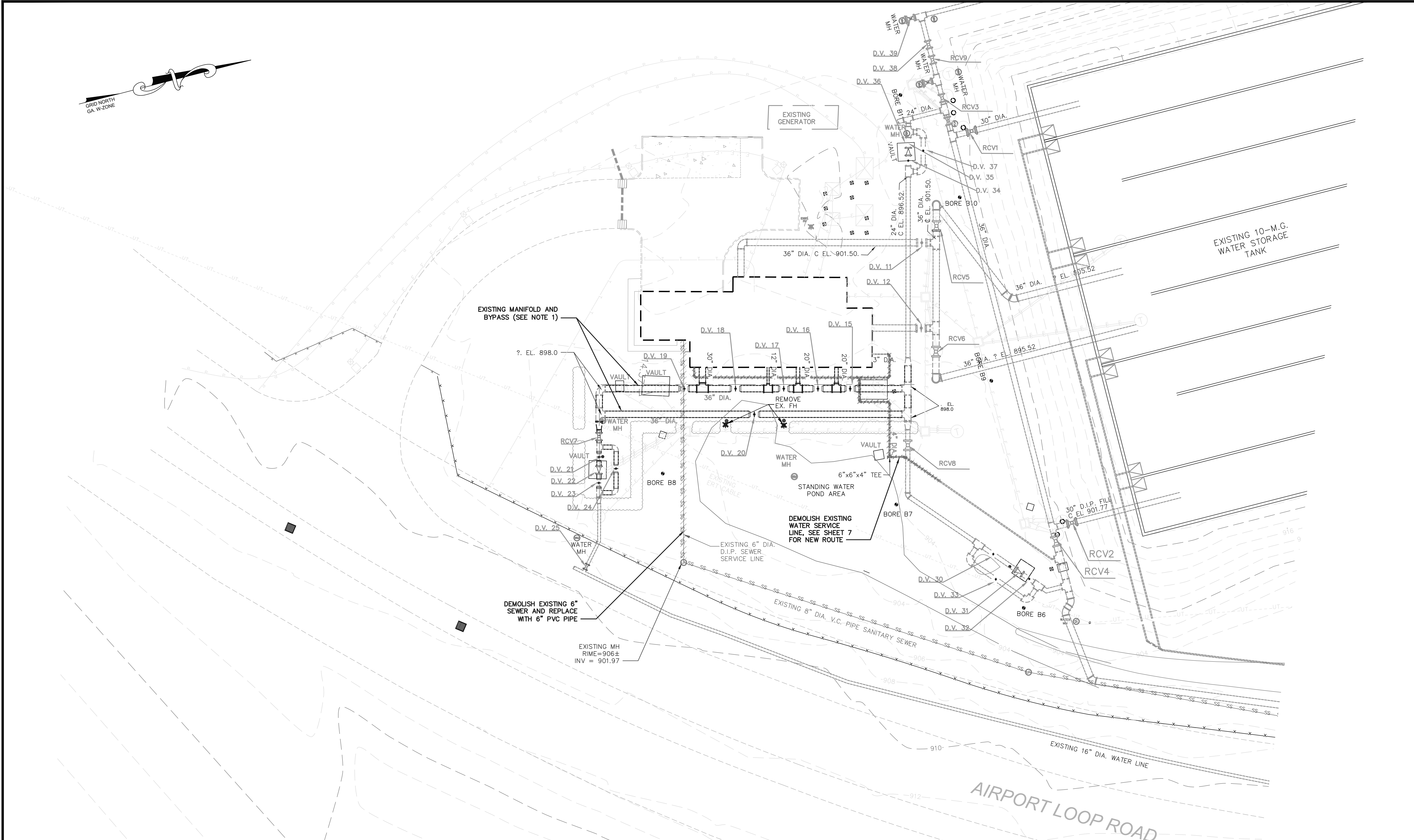
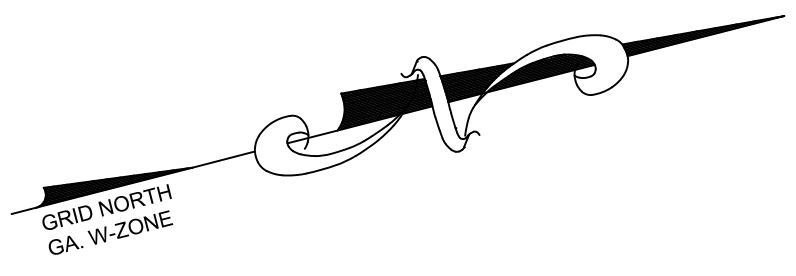
29. ALL EXCESS MATERIAL PRODUCED BY THE CONTRACTOR'S OPERATIONS SHALL BE DISPOSED OF OFF AIRPORT PROPERTY AT NO COST TO THE CITY IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS.
30. FAA REGULATION FOR USE OF CRANES AND OTHER ELEVATED EQUIPMENT WILL BE STRICTLY ENFORCED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING ALL NECESSARY FORMS TO THE CITY AND OBTAINING FAA APPROVAL PRIOR TO CONTRACTOR'S USE OF ANY ELEVATED EQUIPMENT.
31. WORK AROUND THE EXISTING UNDERGROUND UTILITIES SHALL BE PERFORMED IN A MANNER THAT WILL AVOID DAMAGES TO THE UTILITIES. PRIOR TO COMMENCING WITH WORK, THE CONTRACTOR SHALL ACCURATELY LOCATE OR HAVE THE APPROPRIATE UTILITY COMPANY TO LOCATE ABOVE AND BELOW GROUND UTILITIES WHICH MAY BE AFFECTED BY THE WORK. THE CONTRACTOR SHALL PROTECT ALL UTILITIES NOT DESIGNATED FOR REMOVAL, RELOCATION, OR REPLACEMENT IN THE COURSE OF THE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE 72 HOURS OF ADVANCED NOTICE TO THE UTILITY OWNER, CITY, AND FAA PRIOR TO BEGINNING CONSTRUCTION IN THE VICINITY EXISTING UTILITY LINE. FOR EXISTING UTILITY LOCATION ASSISTANCE CALL THE UNDERGROUND UTILITIES PROTECTION CENTER (UPC) AT 1-800-282-7411 AND FAA AT (404) 669-1260.
32. A CITY CONSTRUCTION MANAGER REPRESENTATIVE MUST BE PRESENT AT EACH CONSTRUCTION LOCATION WITHIN THE AOA WHENEVER THE CONTRACTOR IS PRESENT.
33. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS THAT ARE PERTINENT TO THIS WORK. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO OBTAIN AND PAY ALL COSTS ASSOCIATED WITH THE PERMITS AND LICENSES REQUIRED TO ACCOMPLISH THIS WORK.



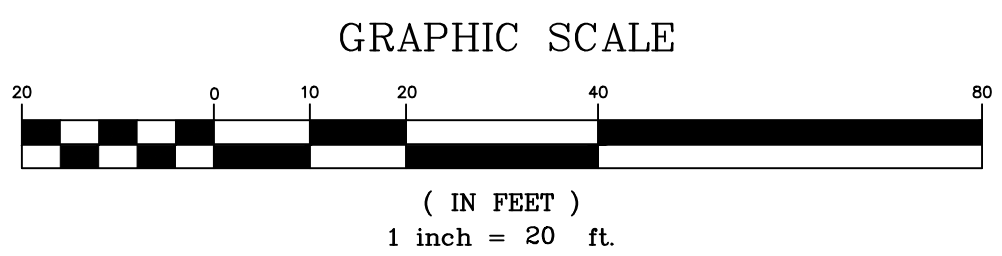
DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED									
PRELIMINARY NOT FOR CONSTRUCTION	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES					
	NO.	DATE	DESCRIPTION	FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT GENERAL NOTES					
				SURVEYOR --	FIELD --	BOOKS --	L.L. 22	DIST. 13	COUNTY FULTON
				DRAWN BY --	DESIGNED --	BY --	CHECKED --	BY --	APPROVED --
				PROJECT NUMBER:				DATE OF SURVEY N/A	SHEET 3 OF 19
	ENGINEER OF RECORD								



DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED											
<div>PRELIMINARY</div> <div>NOT FOR</div> <div>CONSTRUCTION</div>	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES							
	NO.	DATE	DESCRIPTION								
				FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT OVERALL EXISTING CONDITIONS SITE PLAN							
				SURVEYOR --	FIELD BOOKS --	L.L. 22	DIST. 13	COUNTY FULTON	SCALE NO SCALE		
				DRAWN BY --	DESIGNED BY	CHECKED BY --	APPROVED BY --		DATE MAY, 2015		
ENGINEER OF RECORD				PROJECT NUMBER:				DATE OF SURVEY: N/A			SHEET 4 OF 19



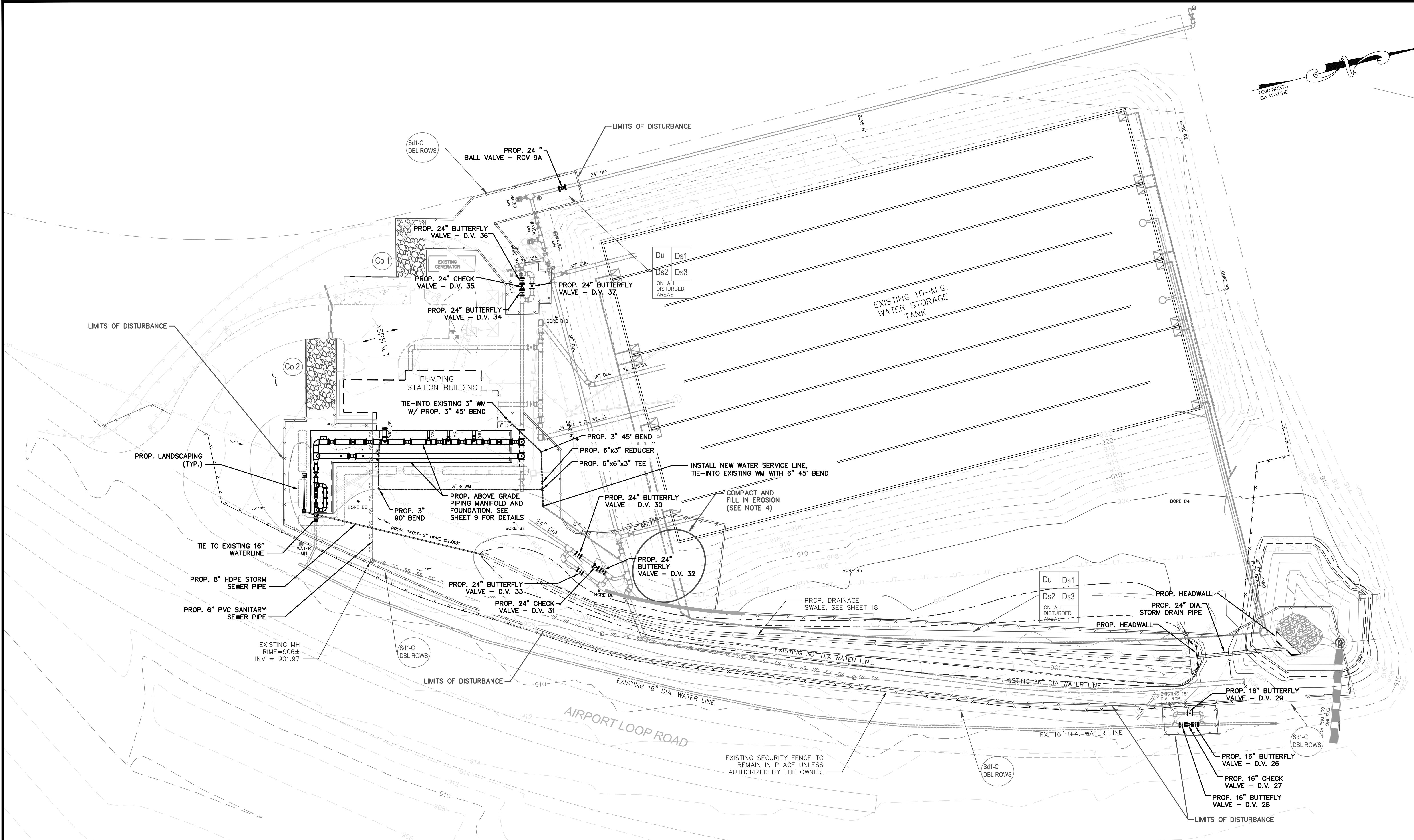
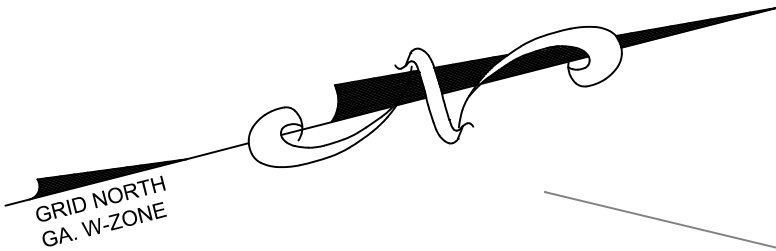
NOTES:
1. THE WORK INCLUDES THE ABANDONMENT IN PLACE VIA GROUT FILL OF THE EXISTING MANIFOLD AND BYPASS PIPING. THE CONTRACTOR SHALL COORDINATE THIS WORK AND SEQUENCE OF CONSTRUCTION WITH THE OWNER. COORDINATE PIPE ABANDONMENT LIMITS WITH PROPOSED WORK ON SHEETS 9 AND 10.



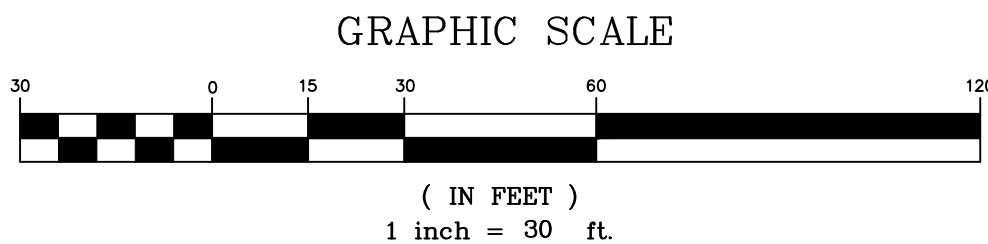
- LEGEND
- ⊙ WATER MANHOLE
 - ⊙ WATER VALVE
 - ✱ FIRE HYDRANT
 - BORE
 - ⊡ ELECTRICAL OR TRANSFORMER
 - POWER LINES
 - TELEPHONE
 - UNDERGROUND CONDUIT
 - ⊠ HANDHOLE
 - ⊠ TRANSMITTER
 - EXISTING SANITARY TO BE DEMOLISHED
 - EXISTING WM TO BE DEMOLISHED
 - D.V. DIVISION VALVE
 - RCV REMOTE CONTROLLED VALVE



DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED									
PRELIMINARY NOT FOR CONSTRUCTION	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES					
	N.O.	DATE	DESCRIPTION	FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT DEMOLITION PLAN (SOUTHSIDE-LARGER SCALE)					
ENGINEER OF RECORD				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY
				---	---	---	22	13	FULTON
				DRAWN BY	DESIGNED BY	CHECKED BY	---	APPROVED BY	DATE
PROJECT NUMBER:				DATE OF SURVEY: N/A				SHEET 5 OF 19	



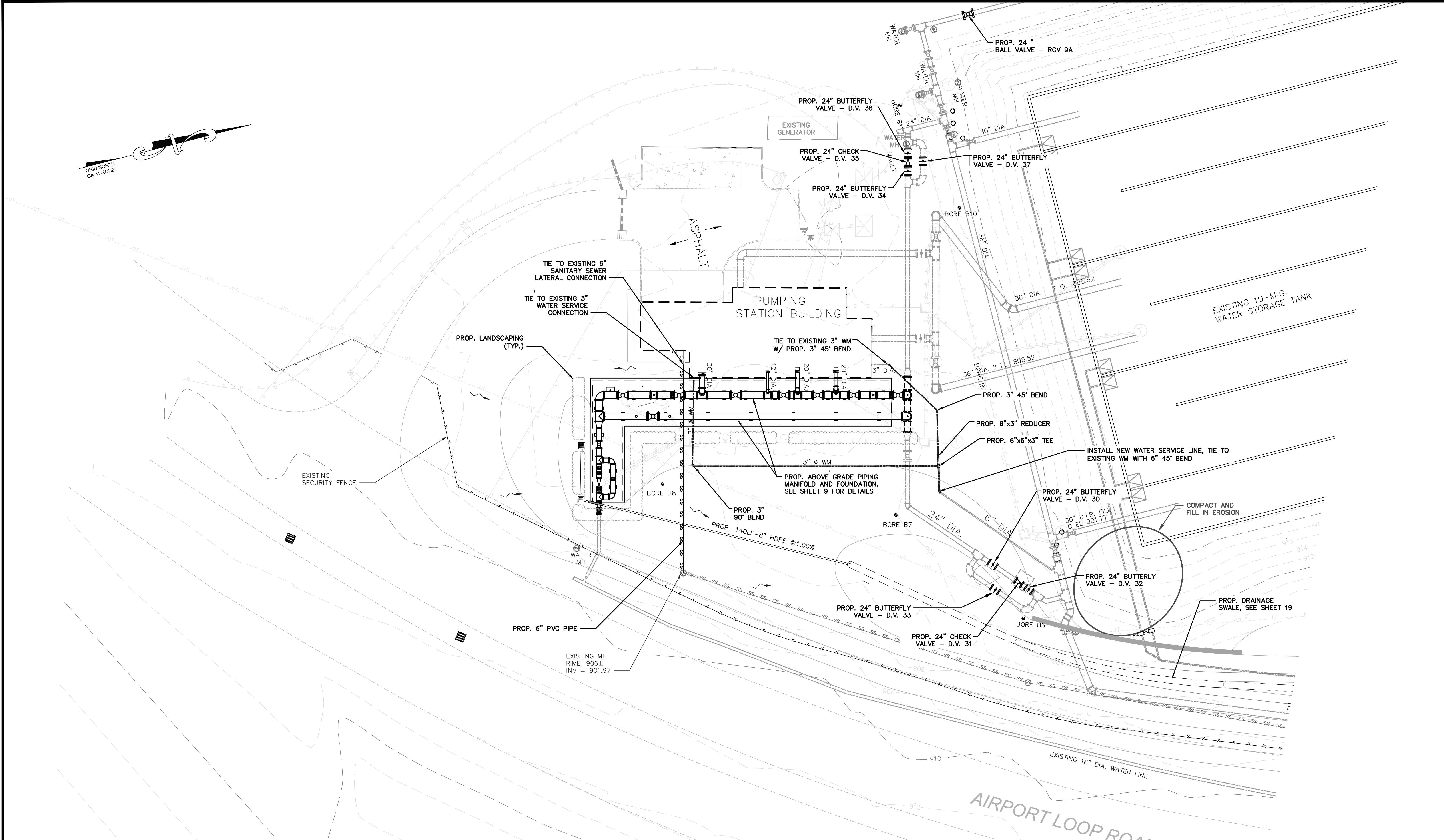
- LEGEND
- ⊙ WATER MANHOLE
 - ⊙ WATER VALVE
 - ✱ FIRE HYDRANT
 - BORE
 - ⊠ ELECTRICAL OR TRANSFORMER
 - POWER LINES
 - TELEPHONE
 - UNDERGROUND CONDUIT
 - HANDHOLE
 - ① TRANSMITTER



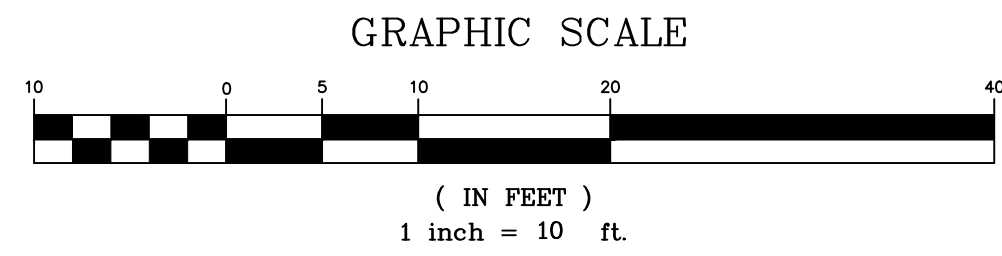
- NOTES:
1. ALL INSTRUMENT LOCATIONS, WATER LOCATIONS, AND CONDUIT DRAWINGS ARE DIAGRAMMATIC AND THE EXACTLY LOCATIONS SHALL BE VERIFIED IN THE FIELD BEFORE DOING WORK.
 2. CONTRACTOR SHALL COORDINATE PROPOSED LAY DOWN AREA WITH OWNER.
 3. CONTRACTOR SHALL UTILIZE THE EXISTING RECORD DRAWINGS FOR INSTALLATION OF ALL EXISTING PRESSURE TRANSDUCERS THAT ARE IMPACTED BY THE WORK, INCLUDING REINSTALLATION OF ANY REQUIRED CONDUIT AND WIRING.
 4. BACKFILL SHALL BE PLACED IN LOOSE LIFTS NOT TO EXCEED 8-INCHES AND COMPACTED TO 95% STANDARD PROCTOR DENSITY.



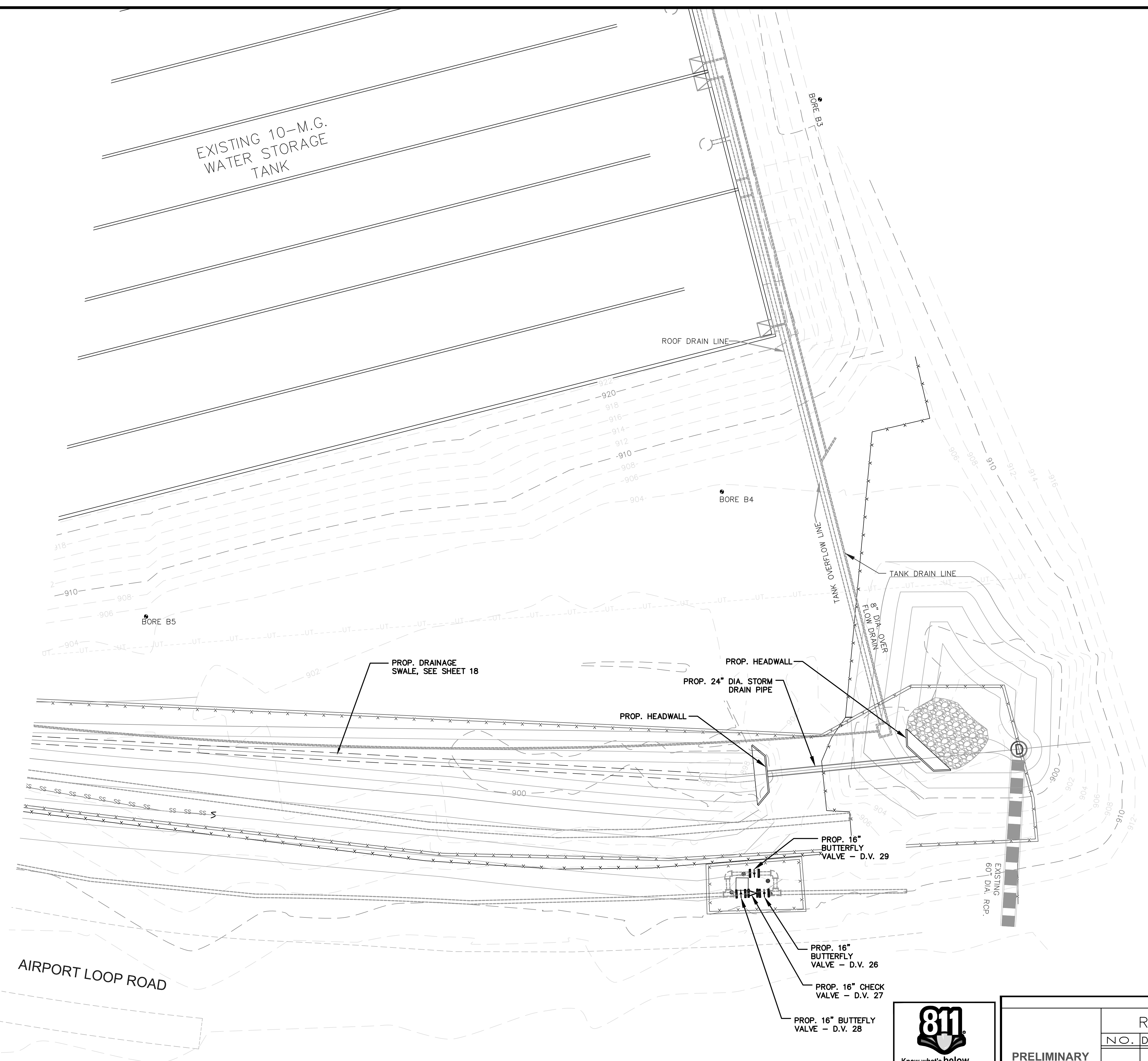
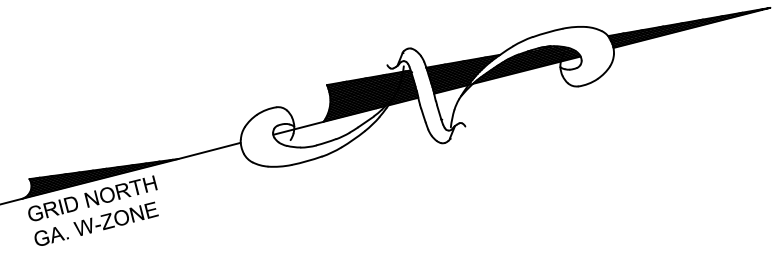
DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED									
PRELIMINARY NOT FOR CONSTRUCTION	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES					
	N.O.	DATE	DESCRIPTION	FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT OVERALL PROP. CONDITIONS AND EROSION CONTROL PLAN					
				SURVEYOR	FIELD BOOKS	L.L.	DIST.	COUNTY	SCALE
				--	--	22	13	FULTON	AS NOTED
ENGINEER OF RECORD	DRAWN BY	DESIGNED BY	CHECKED BY	APPROVED BY	DATE	MAY, 2015			
	--	--	--	--	--				
	PROJECT NUMBER:			DATE OF SURVEY: N/A			SHEET 6 OF 19		



- LEGEND
- ⊙ WATER MANHOLE
 - ⊙ WATER VALVE
 - ⊙ FIRE HYDRANT
 - BORE
 - ⊠ ELECTRICAL OR TRANSFORMER
 - POWER LINES
 - TELEPHONE
 - UNDERGROUND CONDUIT
 - HANDHOLE
 - ⊕ TRANSMITTER
 - RUNOFF FLOW DIRECTION

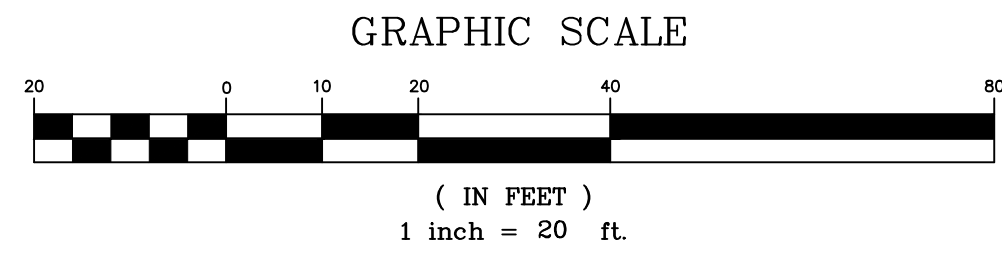


DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED																	
<div>PRELIMINARY</div> <div>NOT FOR</div> <div>CONSTRUCTION</div>	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES													
	NO.	DATE	DESCRIPTION	FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT PROP. CONDITIONS SITE PLAN (SOUTHSIDE-LARGER SCALE)													
ENGINEER OF RECORD				SURVEYOR --			FIELD --		BOOKS 22		L.L. 13		DIST. FULTON		COUNTY AS NOTED		
				DRAWN BY --			DESIGNED --		BY		CHECKED --		BY		APPROVED --		DATE MAY, 2015
PROJECT NUMBER:				DATE OF SURVEY: N/A				SHEET 7 OF 19									

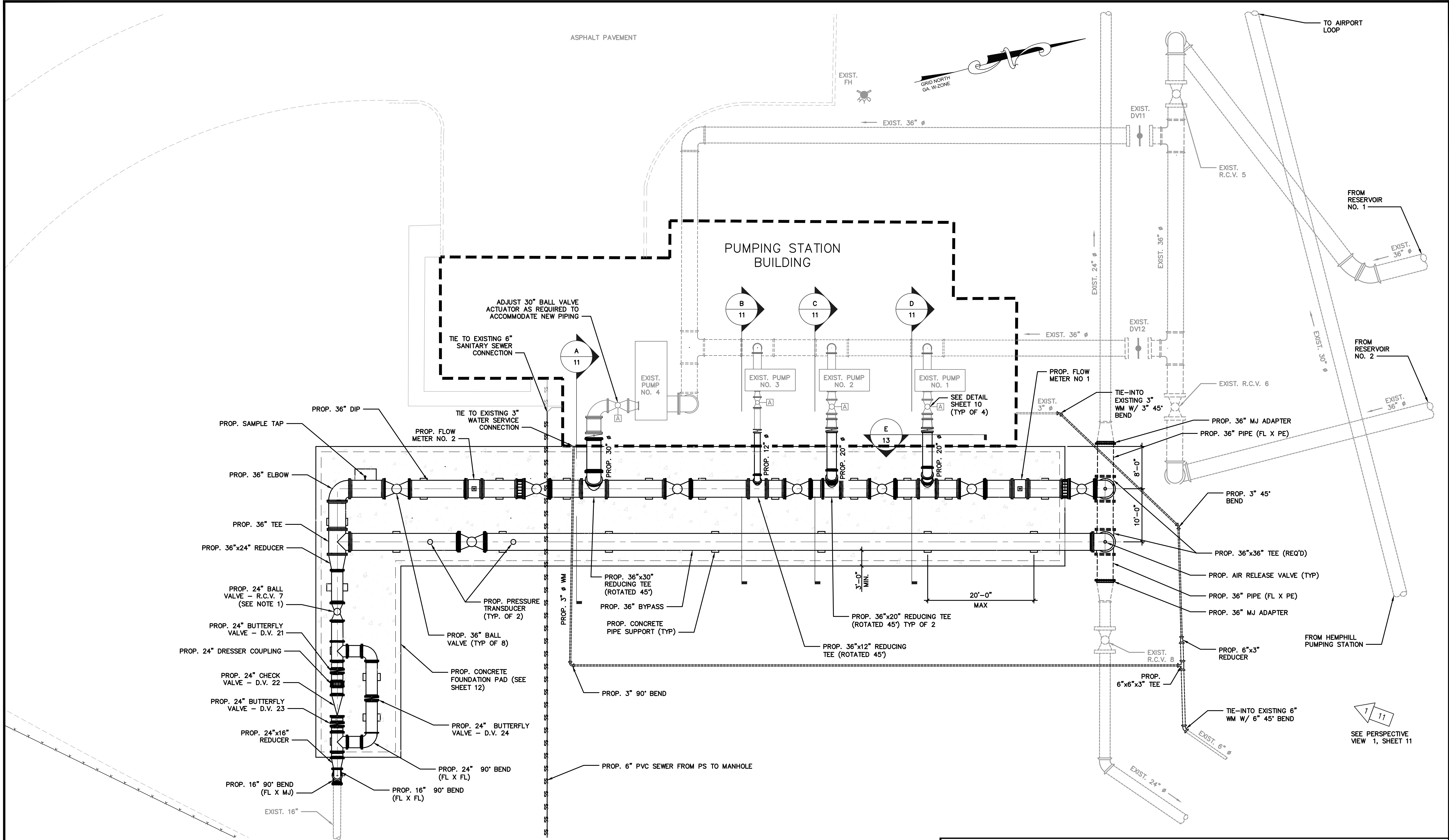


- LEGEND
- WATER MANHOLE
 - WATER VALVE
 - ✱ FIRE HYDRANT
 - BORE
 - ⊠ ELECTRICAL OR TRANSFORMER
 - POWER LINES
 - TELEPHONE
 - UNDERGROUND CONDUIT
 - HANDHOLE
 - ⊙ TRANSMITTER

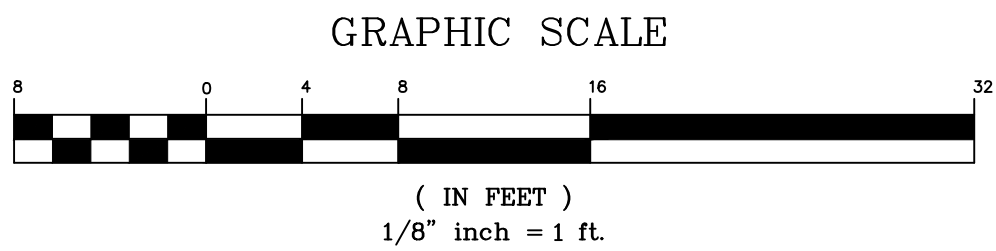
NOTES:
ALL INSTRUMENT LOCATIONS, WATER LOCATIONS, AND CONDUIT DRAWINGS ARE
DIAGRAMMATIC AND THE EXACTLY LOCATIONS SHALL BE VERIFIED IN THE FIELD BEFORE
DOING WORK.



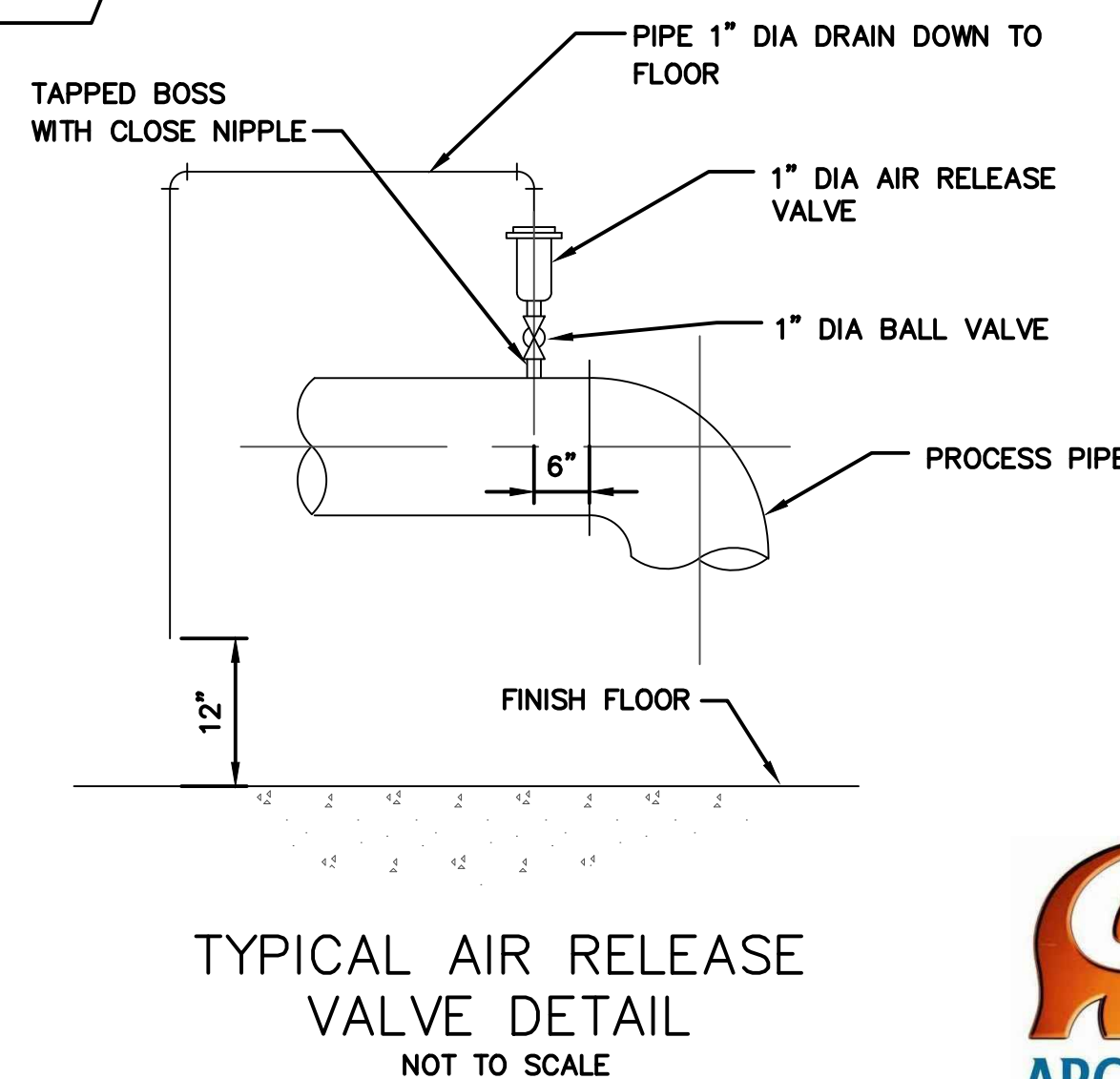
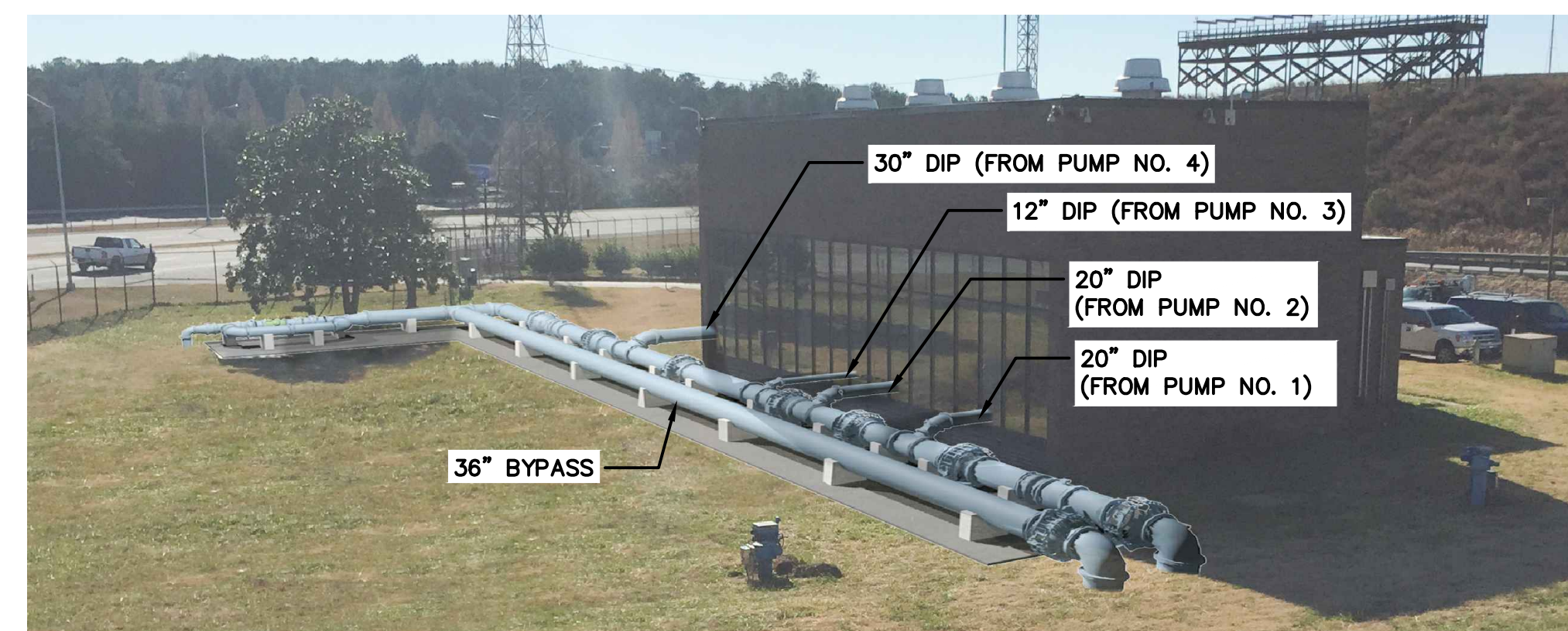
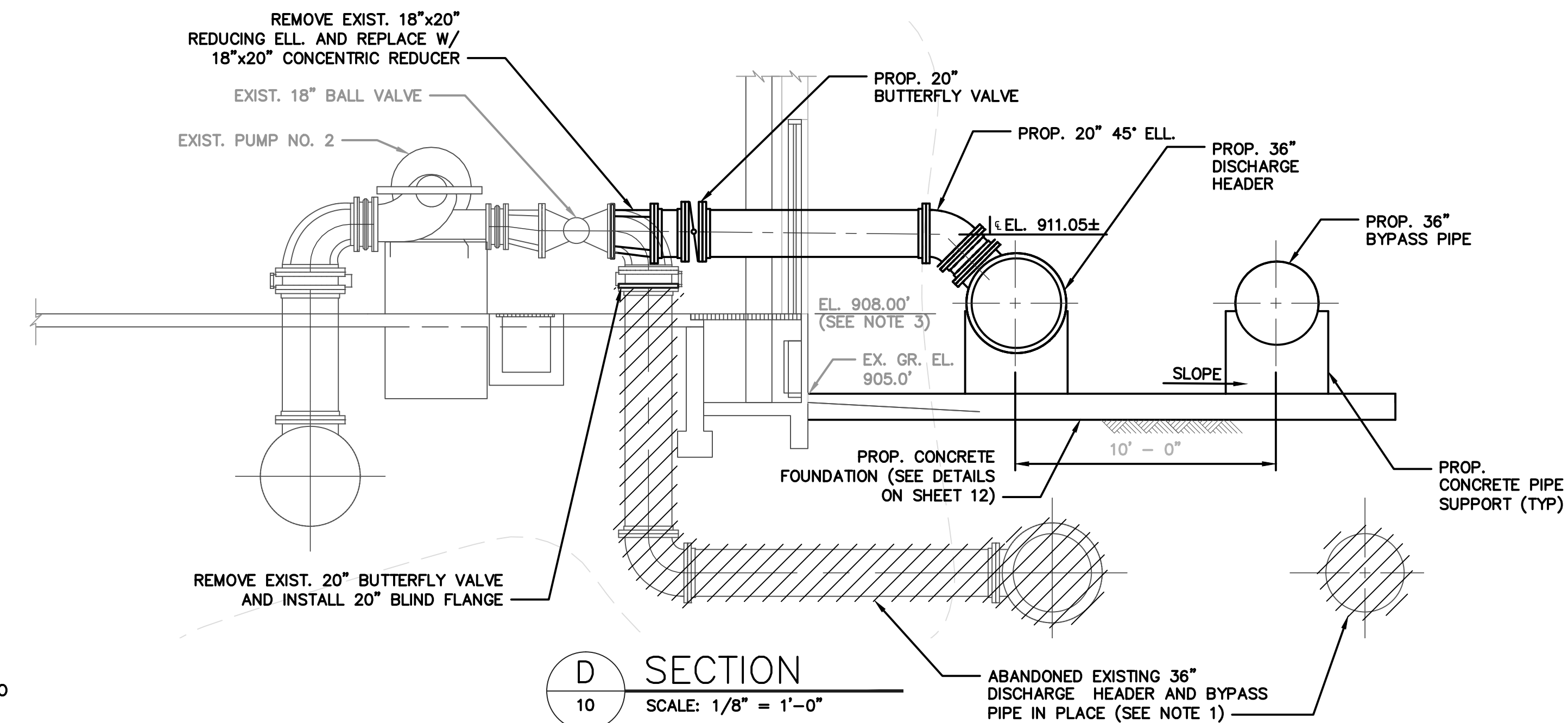
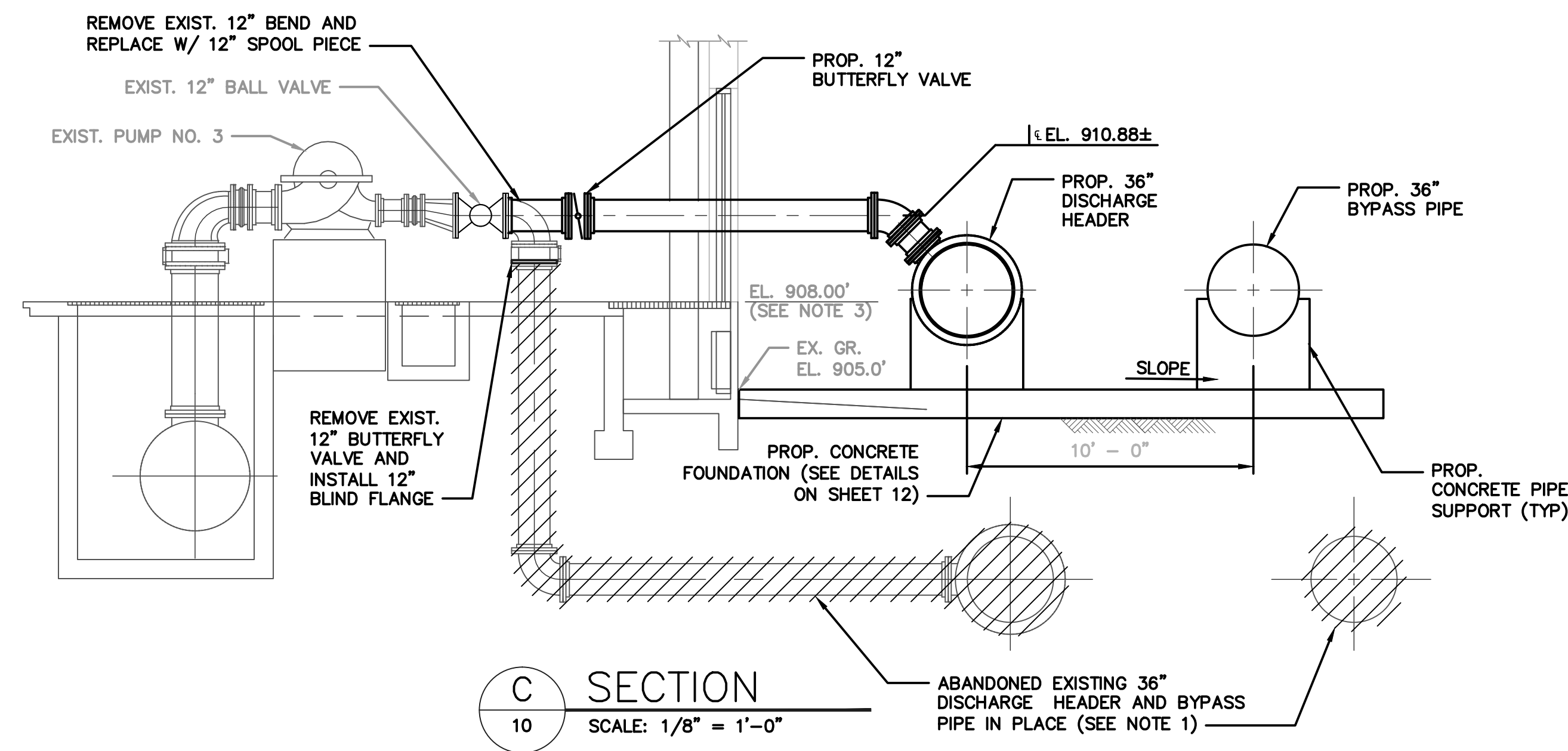
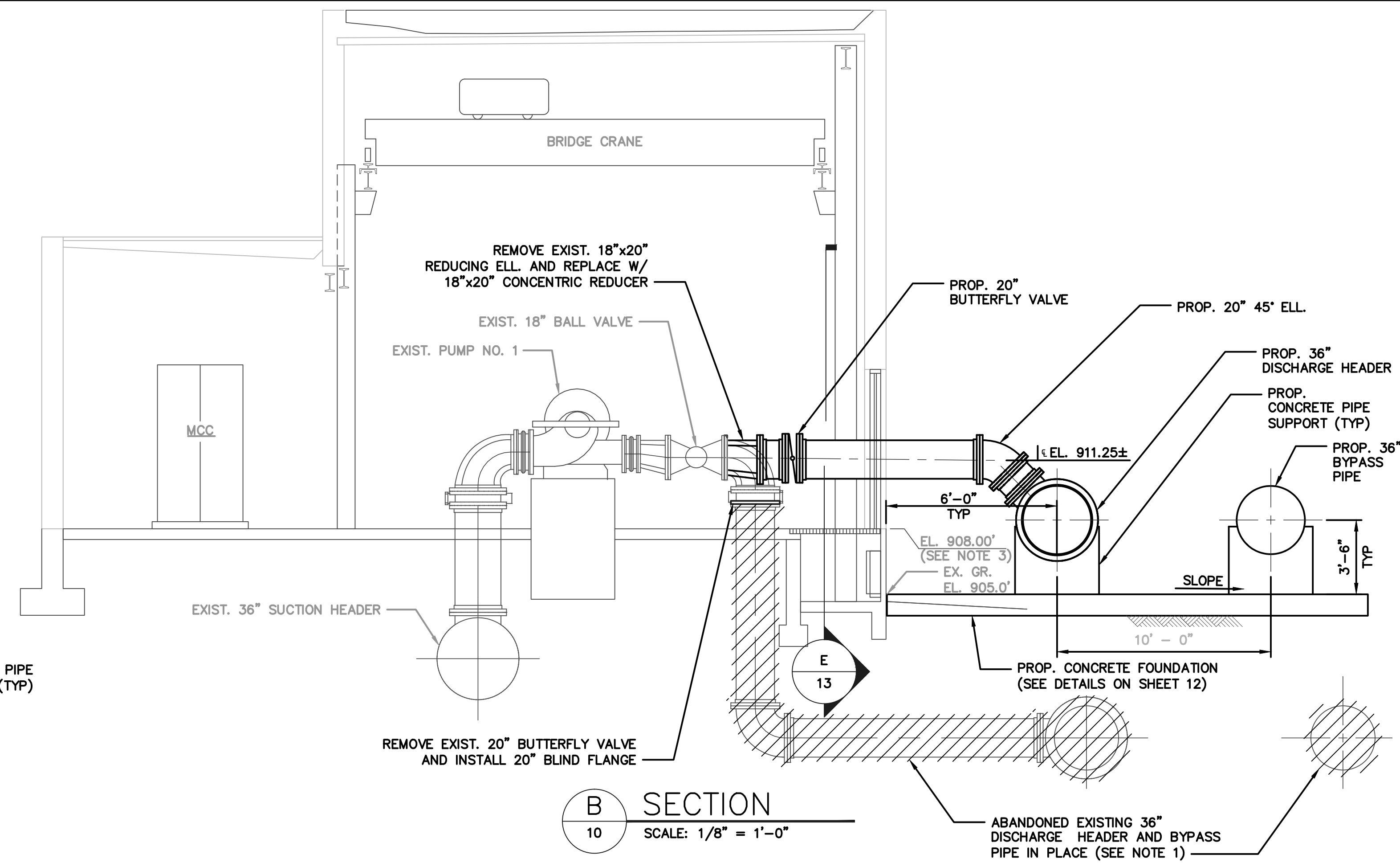
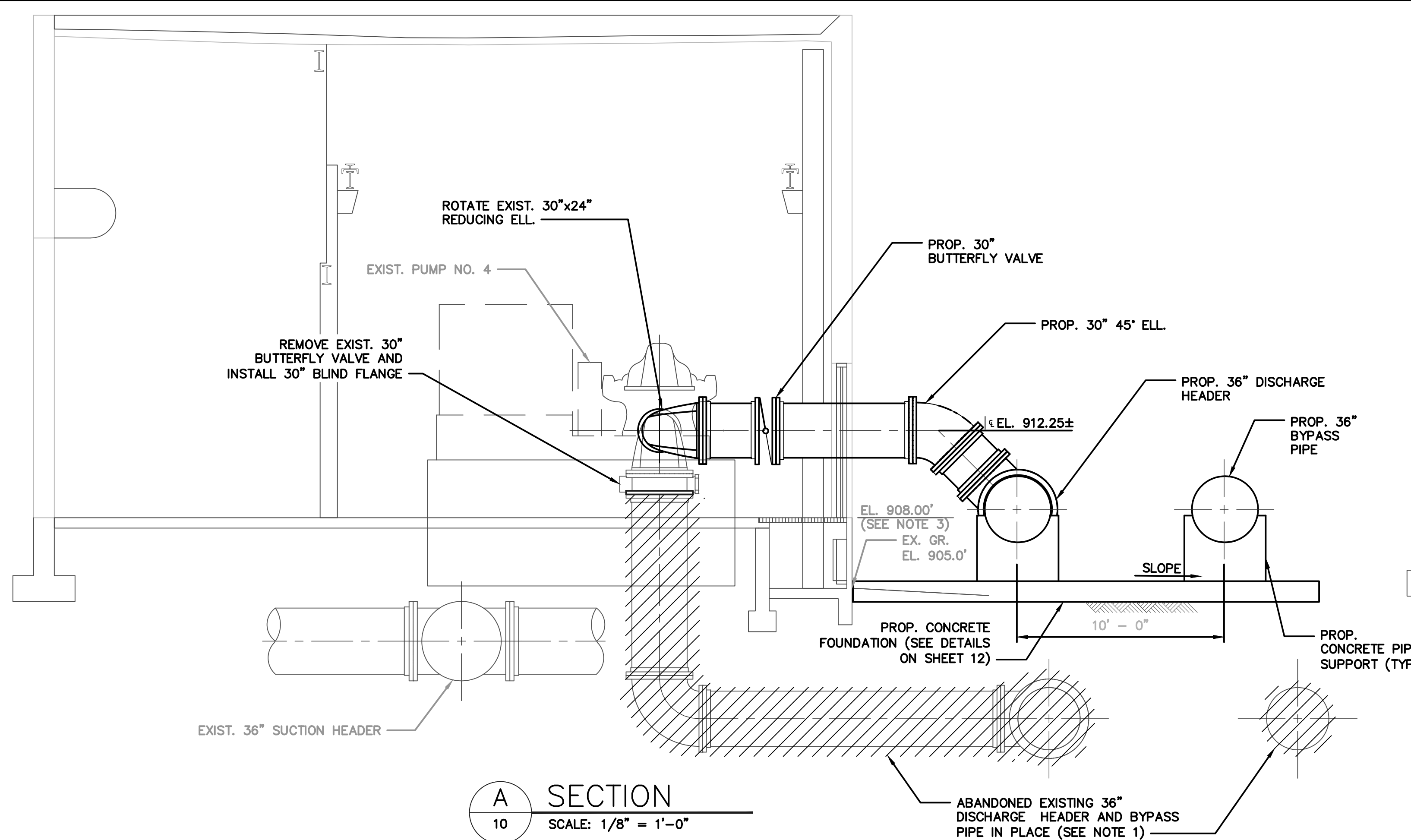
DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED										
<div>PRELIMINARY</div> <div>NOT FOR</div> <div>CONSTRUCTION</div>	REVISIONS			CITY OF ATLANTA						
	NO.	DATE	DESCRIPTION	DEPARTMENT OF WATERSHED MANAGEMENT						
				BUREAU OF ENGINEERING SERVICES						
				FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT						
				PROP. CONDITIONS SITE PLAN (NORTHSIDE-LARGER SCALE)						
				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY	SCALE
				--	--	--	22	13	FULTON	AS NOTED
			DRAWN BY	DESIGNED	BY	CHECKED	BY	APPROVED	BY	DATE
			--	--	--	--	--	--	--	MAY, 2015
ENGINEER OF RECORD			PROJECT NUMBER:				DATE OF SURVEY: N/A			SHEET 8 OF 19



NOTES:
1. CONTRACTOR SHALL COORDINATE PROPOSED BALL VALVES WITH MANUFACTURER AND SPECIFICATIONS FOR USE AS THROTTLING VALVES. VALVES AND ACTUATORS SHALL BE CAPABLE OF OPERATING UNDER ALL CONDITIONS (FLOW AND DIFFERENTIAL PRESSURE) WITHOUT DAMAGE.



DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED									
PRELIMINARY NOT FOR CONSTRUCTION	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES					
	N.O.	DATE	DESCRIPTION	FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT PROP. ABOVE GRADE PIPING PLAN					
ENGINEER OF RECORD				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY
				---	---	---	22	13	FULTON
				CHECKED BY	DESIGNED BY	BY	DATE	APPROVED BY	DATE
				---	---	---	---	---	MAY, 2015
				PROJECT NUMBER:		DATE OF SURVEY: N/A		SHEET 9 OF 19	

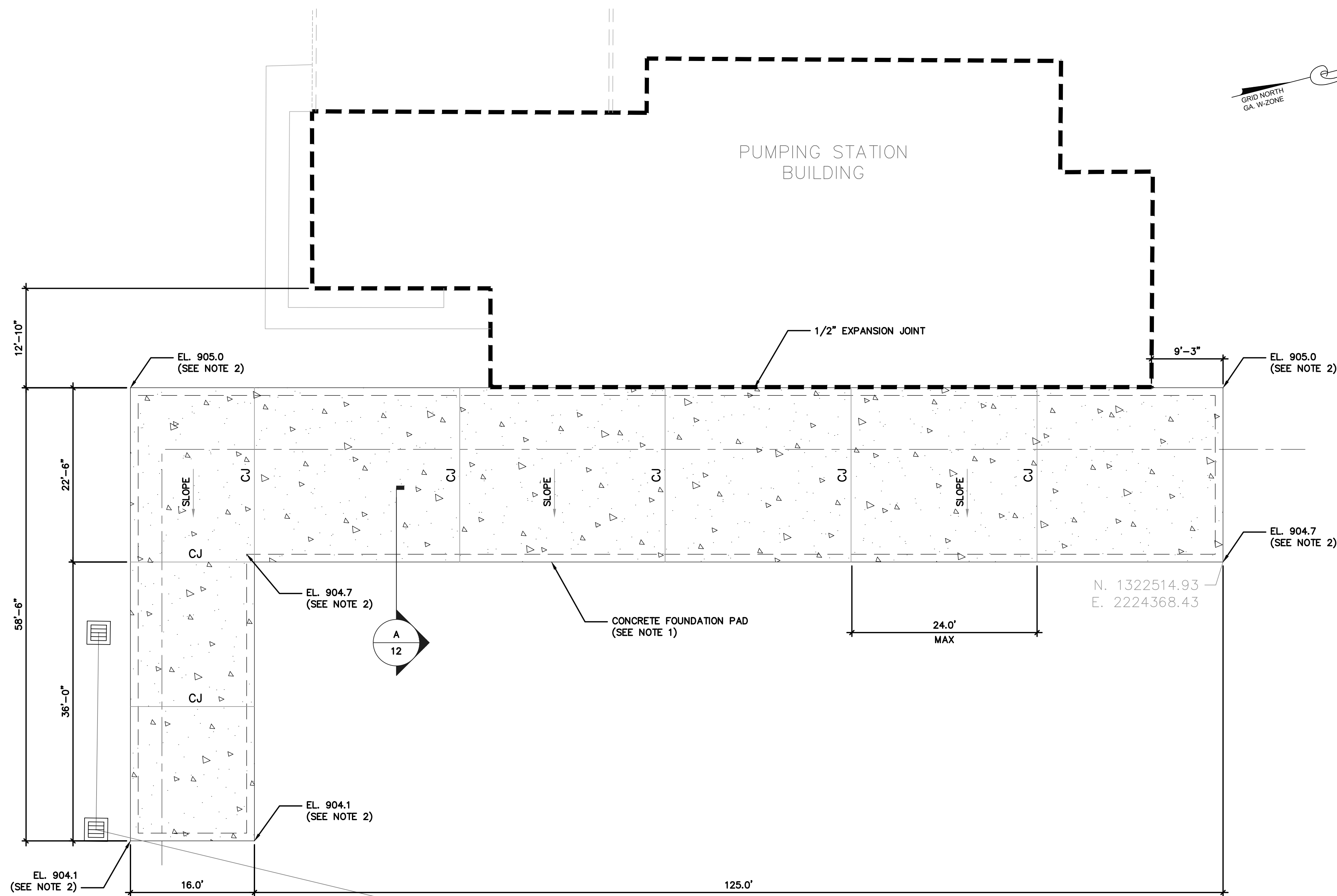


NOTES:

- PIPE TO BE ABANDONED IN PLACE AFTER NEW DISCHARGE MANIFOLD IS PLACED IN SERVICE AND AFTER APPROVAL BY OWNER.
- PIPES TO BE ABANDONED IN PLACE SHALL BE COMPLETELY GROUT FILLED.
- ELEVATIONS SHOWN ARE BASED ON RECORD DRAWINGS OF THE EXISTING FACILITY.



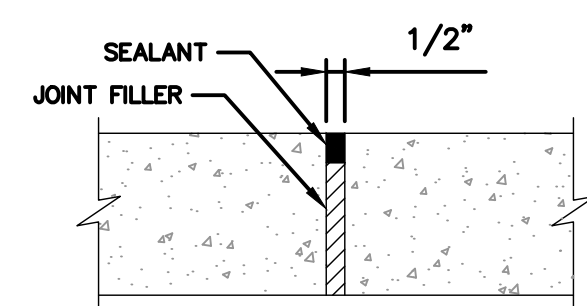
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PRELIMINARY NOT FOR CONSTRUCTION	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES					
	N.O.	DATE	DESCRIPTION	FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT PROP. ABOVE GRADE PIPING SECTIONS AND DETAILS					
ENGINEER OF RECORD				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY
				---	---	---	22	13	FULTON
				DRAWN BY	DESIGNED	BY	CHECKED	BY	APPROVED
				---	---	---	---	---	---
PROJECT NUMBER:				DATE OF SURVEY: N/A			SHEET 10 OF 19		



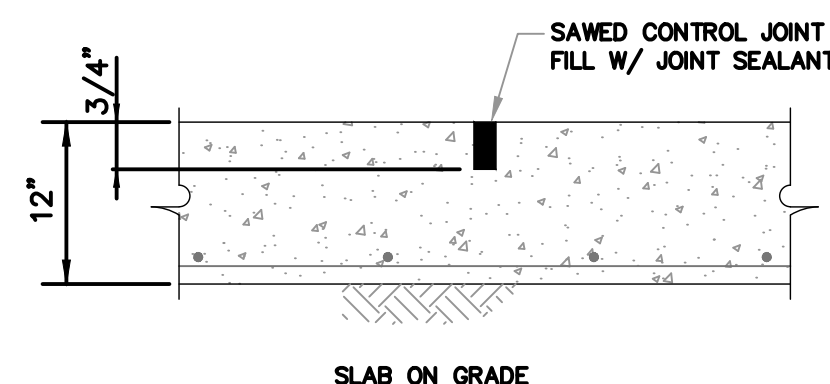
PLAN VIEW

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

- NOTES:
1. CONTRACTOR SHALL COORDINATE CONSTRUCTION OF FOUNDATION AND ACCESS TO BELOW GRADE VALVES FOR OPERATION ON THE EXISTING MANIFOLD SYSTEM WITH CONTRACTOR'S PROPOSED SEQUENCE OF CONSTRUCTION.
 2. CONTRACTOR SHALL COORDINATE THE TOP ELEVATIONS OF THE CONCRETE SLAB IN ORDER TO NOT OBSTRUCT EXISTING BUILDING LOUVERS.

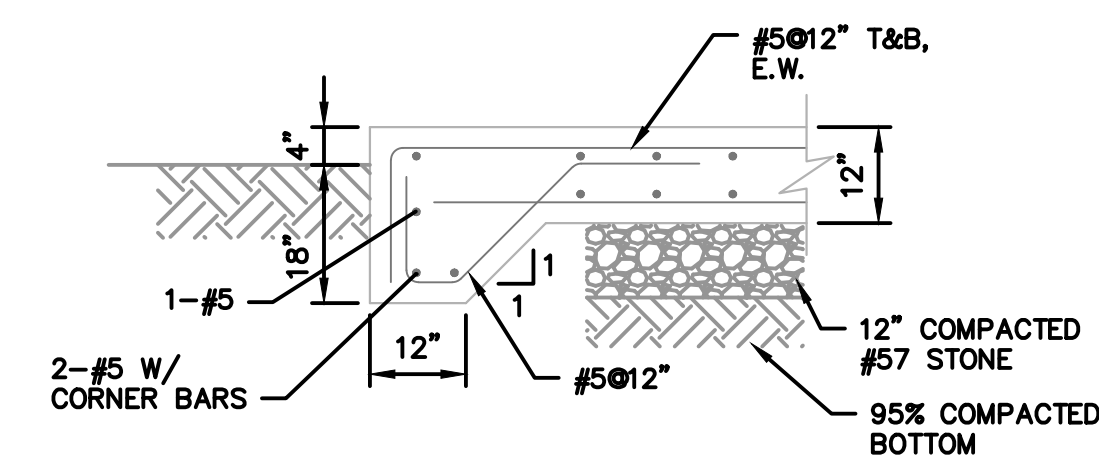


TYPICAL
EXPANSION JOINT DETAIL
NOT TO SCALE

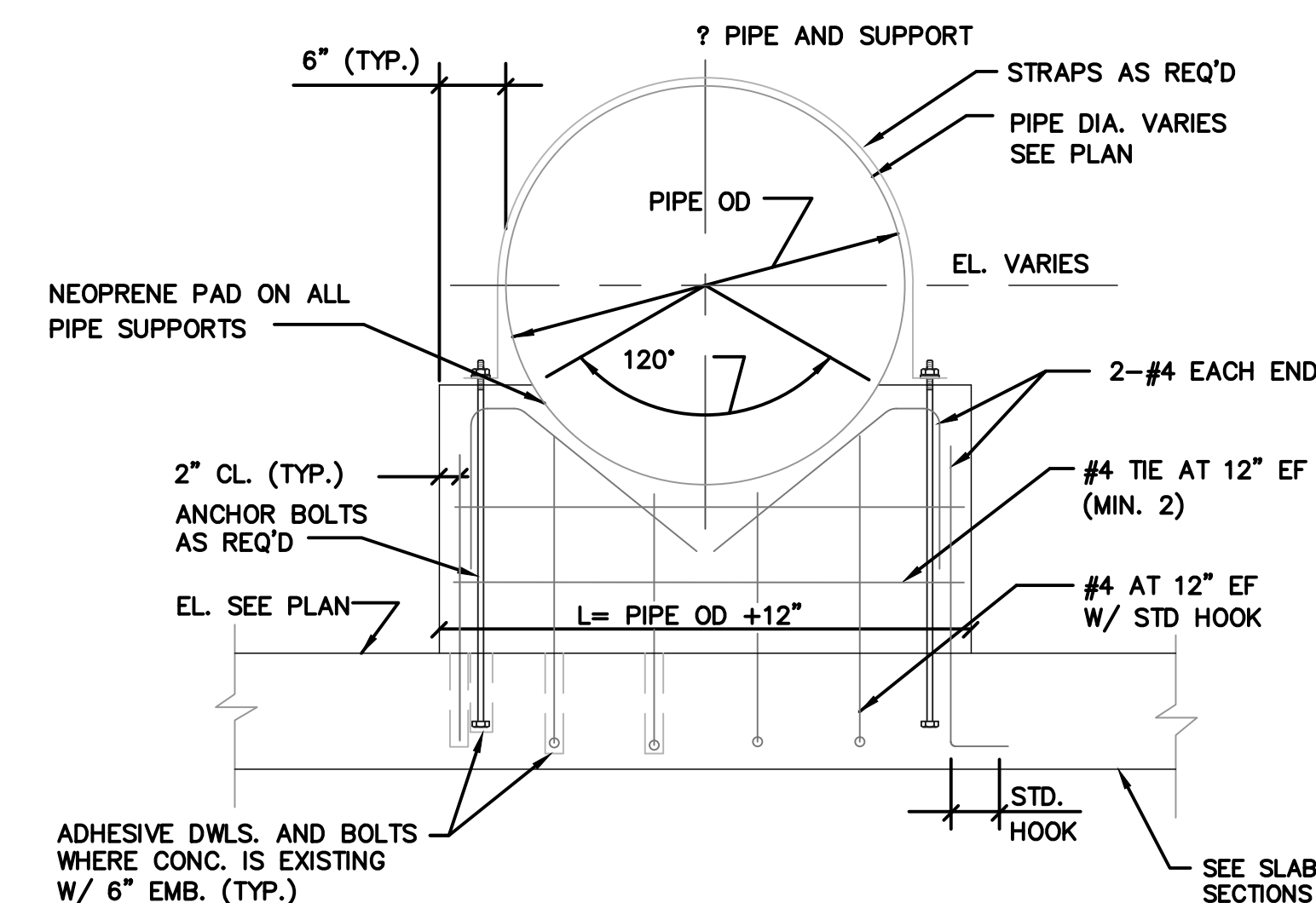


- NOTES:
1. CONTINUE ALL REINFORCEMENT BARS THRU JOINTS.
 2. REFER TO SPECIFICATIONS FOR CONTROL JOINT SPACING.
 3. DETAIL SIMILAR FOR GROUT TOPPING.

TYPICAL CONTROL JOINT DETAILS
NOT TO SCALE



A SECTION
12 NOT TO SCALE

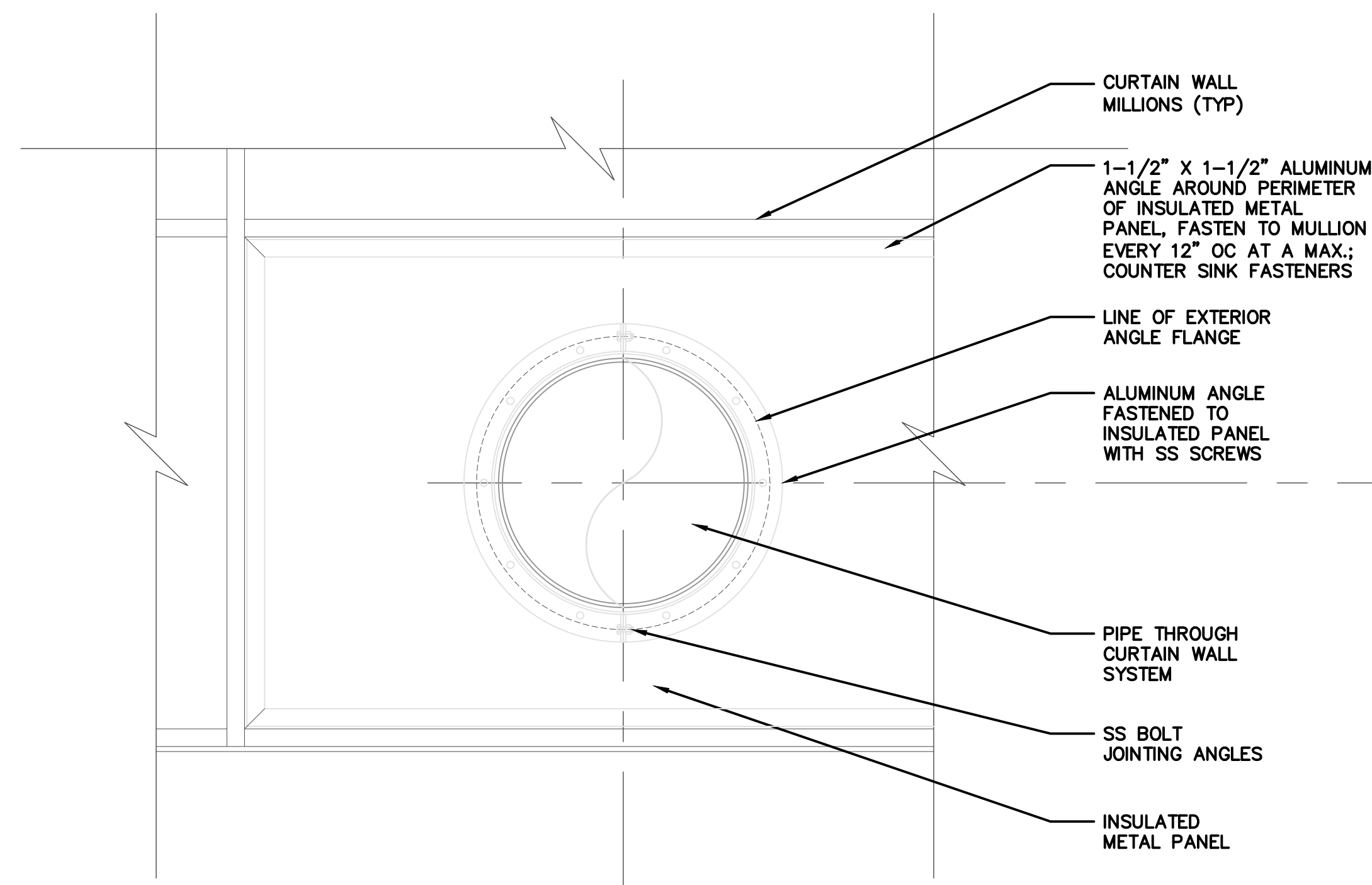


TYPICAL CONCRETE PIPE SUPPORT DETAIL

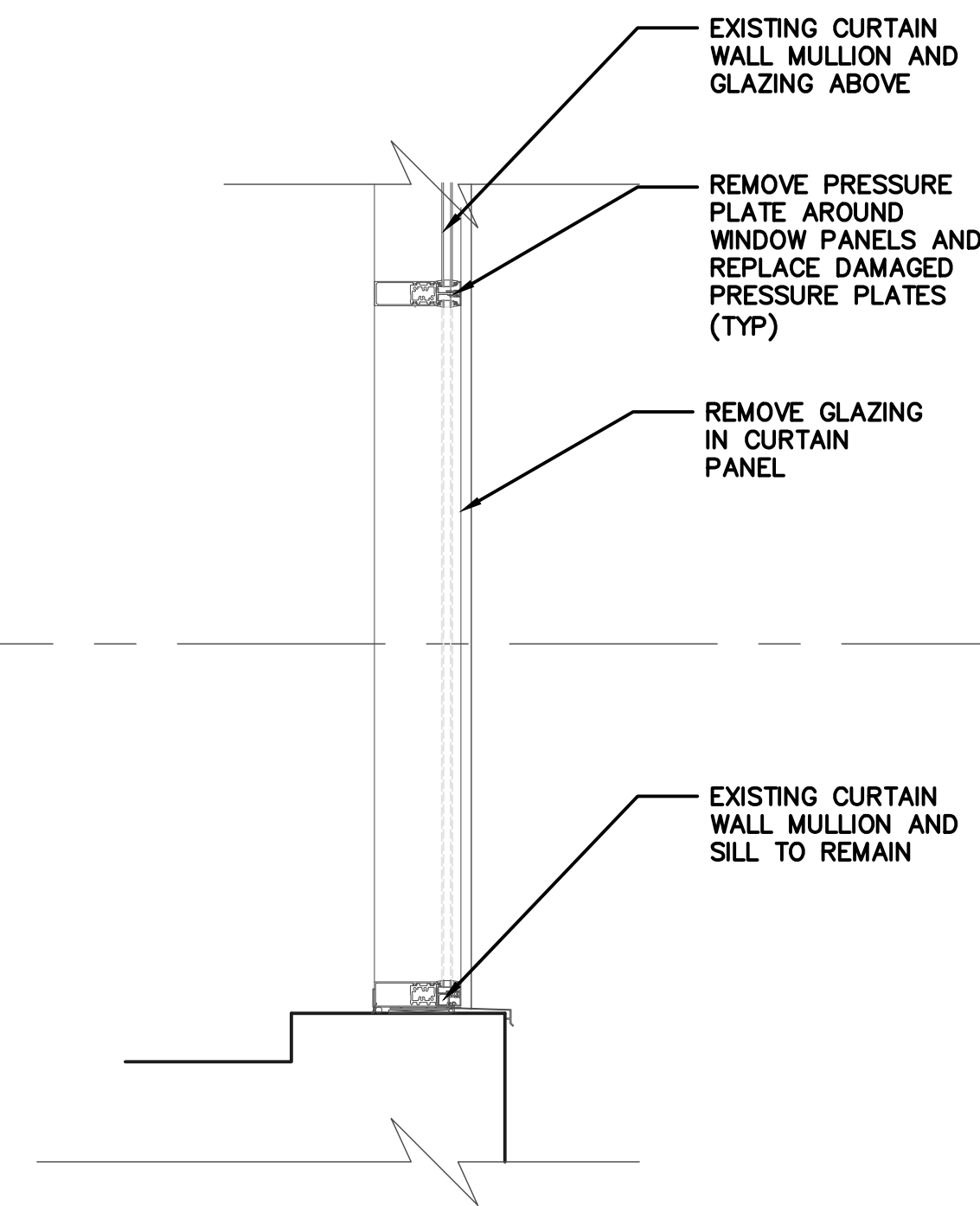
- NOTES:
1. SUPPORT TO BE 12" THICK. (U.O.N.)
 2. COORDINATE LOCATION OF PIPE SUPPORTS WITH OTHER SHEETS AND SPECIFICATIONS.



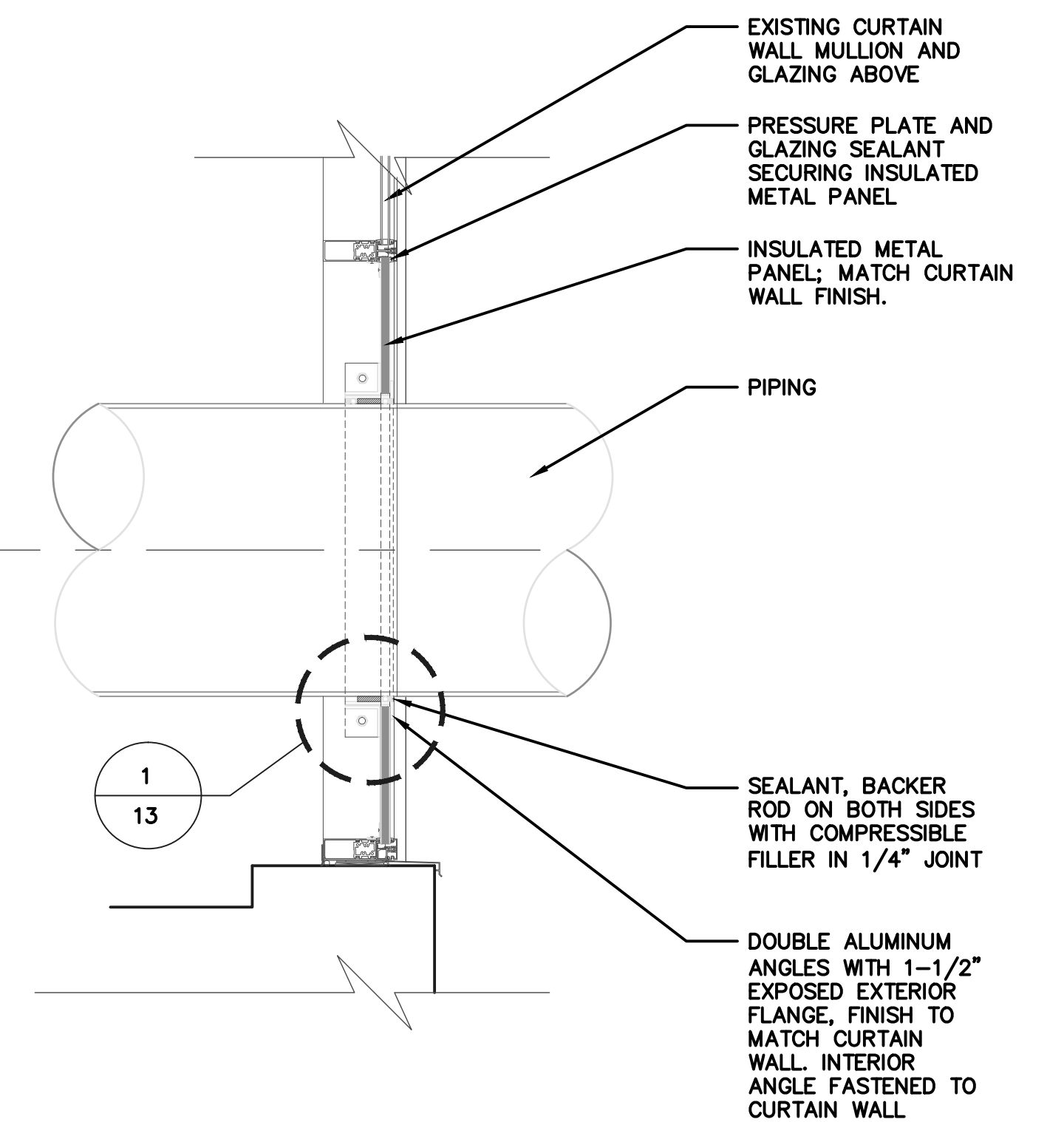
DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED									
PRELIMINARY NOT FOR CONSTRUCTION	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES					
	N.O.	DATE	DESCRIPTION	FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT PROP. STRUCTURAL PLAN, SECTIONS AND DETAILS					
ENGINEER OF RECORD				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY
				--	--	--	22	13	FULTON
				DRAWN BY	DESIGNED	BY	CHECKED	BY	APPROVED
				--	--	--	--	--	DATE
									MAY, 2015
				PROJECT NUMBER:			DATE OF SURVEY: N/A		SHEET 11 OF 19



INTERIOR ELEVATION

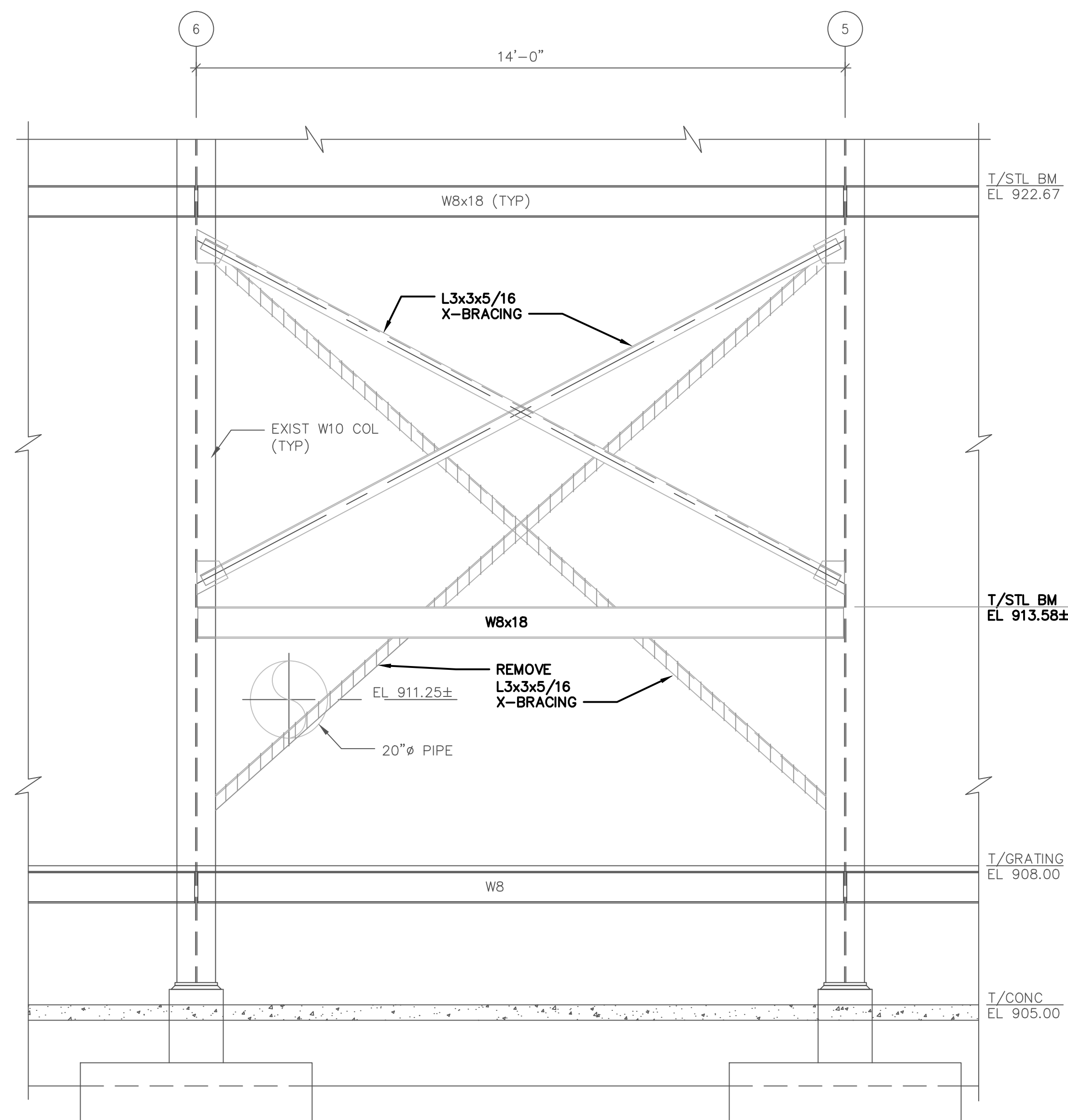


DEMO WINDOW DETAIL

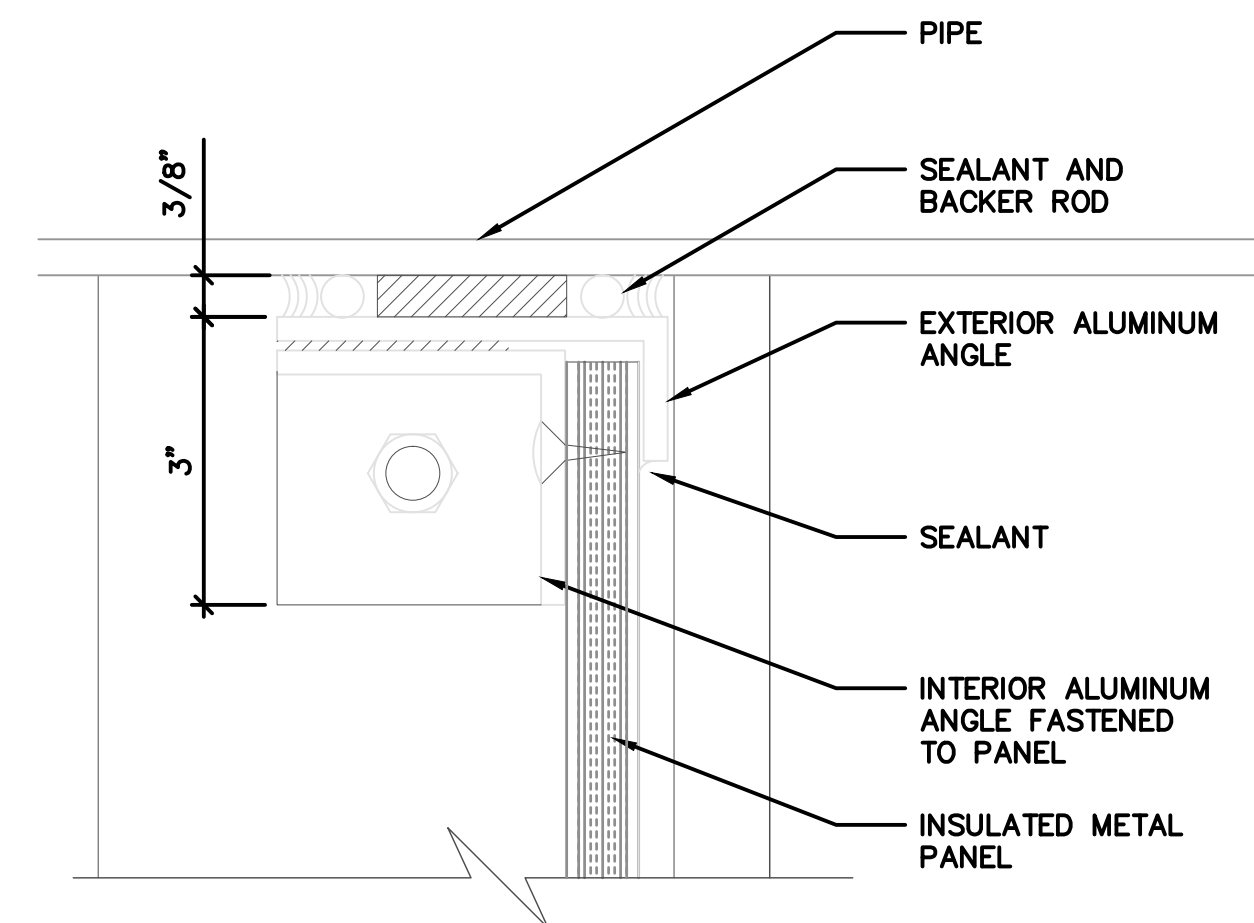


CONST. WINDOW DETAIL

- NOTES:
1. INSULATED METAL PANEL BY MAPES-R+ INFILL PANEL OR EQUAL.
 - a. INTERIOR AND EXTERIOR SKIN - MIN. 0.040 INCHES THICK ALUMINUM; FINISH TO MATCH ALUMINUM CURTAIN WALL.
 - b. SUBSTRATE - 0.157 INCHES THICK CEMENT BOARD.
 - c. INSULATION CORE - ISOCYANURATE WITH MIN. R-10.
 - d. 25 YEAR LAMINATION WARRANTY AND 5 YEAR FINISH WARRANTY.



E SECTION
10,11 1/2" = 1'-0"

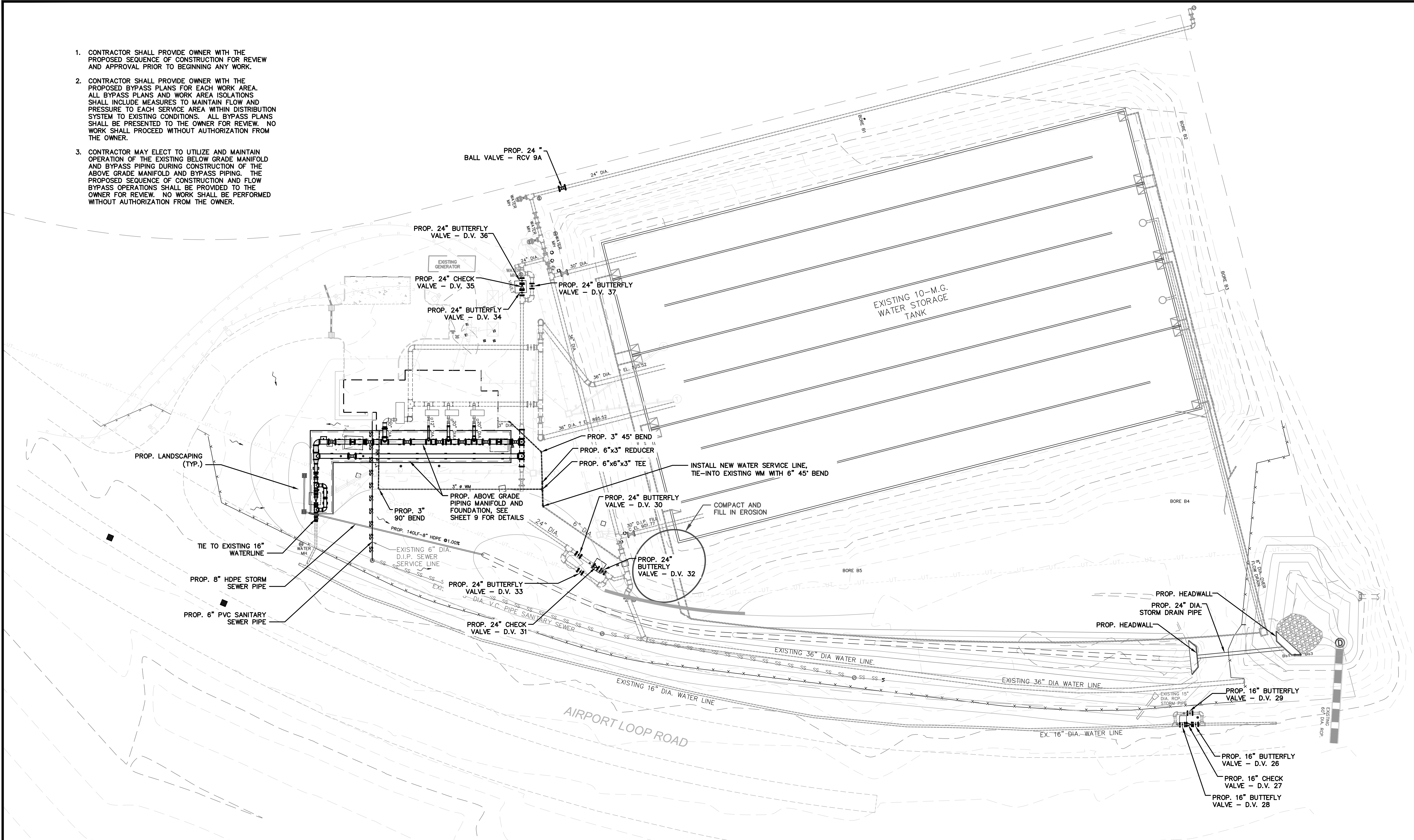


1 PANEL DETAIL
13 6" = 1'-0"



DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED											
<div>PRELIMINARY</div> <div>NOT FOR</div> <div>CONSTRUCTION</div>	REVISIONS			CITY OF ATLANTA							
	NO.	DATE	DESCRIPTION	DEPARTMENT OF WATERSHED MANAGEMENT							
				BUREAU OF ENGINEERING SERVICES							
				FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT							
				PROP. STRUCTURAL DETAILS							
				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY	SCALE	
				--	--	--	22	13	FULTON	AS NOTED	
			DRAWN BY	DESIGNED	BY	CHECKED	BY	APPROVED	BY	DATE	
			--	--	--	--	--	--	--	MAY, 2015	
ENGINEER OF RECORD				PROJECT NUMBER:				DATE OF SURVEY: N/A			SHEET 12 OF 19

1. CONTRACTOR SHALL PROVIDE OWNER WITH THE PROPOSED SEQUENCE OF CONSTRUCTION FOR REVIEW AND APPROVAL PRIOR TO BEGINNING ANY WORK.
2. CONTRACTOR SHALL PROVIDE OWNER WITH THE PROPOSED BYPASS PLANS FOR EACH WORK AREA. ALL BYPASS PLANS AND WORK AREA ISOLATIONS SHALL INCLUDE MEASURES TO MAINTAIN FLOW AND PRESSURE TO EACH SERVICE AREA WITHIN DISTRIBUTION SYSTEM TO EXISTING CONDITIONS. ALL BYPASS PLANS SHALL BE PRESENTED TO THE OWNER FOR REVIEW. NO WORK SHALL PROCEED WITHOUT AUTHORIZATION FROM THE OWNER.
3. CONTRACTOR MAY ELECT TO UTILIZE AND MAINTAIN OPERATION OF THE EXISTING BELOW GRADE MANIFOLD AND BYPASS PIPING DURING CONSTRUCTION OF THE ABOVE GRADE MANIFOLD AND BYPASS PIPING. THE PROPOSED SEQUENCE OF CONSTRUCTION AND FLOW BYPASS OPERATIONS SHALL BE PROVIDED TO THE OWNER FOR REVIEW. NO WORK SHALL BE PERFORMED WITHOUT AUTHORIZATION FROM THE OWNER.



DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED									
PRELIMINARY NOT FOR CONSTRUCTION	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES					
	N.O.	DATE	DESCRIPTION	FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT PROP. SEQUENCE OF CONSTRUCTION AND BYPASS PLAN					
ENGINEER OF RECORD				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY
				--	--	--	22	13	FULTON
				DRAWN BY	CHECKED BY	DESIGNED BY	CHECKED BY	APPROVED BY	DATE
				--	--	--	--	--	MAY, 2015
PROJECT NUMBER:				DATE OF SURVEY: N/A				SHEET 13 OF 19	

CITY OF ATLANTA STANDARD NOTES

1. EROSION CONTROL MEASURES SHALL BE (AS A MINIMUM) IN CONFORMANCE WITH THE LATEST EDITION OF "THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" BY THE GA. SOIL AND WATER CONSERVATION COMMISSION. OF THE CONTRACTOR.
2. ANY AND ALL SILT LEAVING THE SITE IS THE COMPLETE RESPONSIBILITY OF THE CONTRACTOR.
3. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AND INSPECTED PRIOR TO ANY CONSTRUCTION ACTIVITY ON SITE.
4. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, LATEST EDITION.
5. EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION CONTROL DEVICES MAY BE ADDED AS REQUIRED BY THE INSPECTOR.
6. PRIOR TO CONSTRUCTION, CONTRACTOR WILL ESTABLISH A STABILIZED CONSTRUCTION ENTRANCE. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE.
7. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT OF WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACHED FROM VEHICLE OR SITE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
8. FAILURE TO INSTALL, OPERATE OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED.
9. ALL GRASSING SHALL BE IN ACCORDANCE WITH CHAPTER 6, SECTION III "VEGETATIVE PRACTICES" OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA.
10. ALL TEMPORARY AND PERMANENT SEEDING MUST BE PERFORMED AT THE APPROPRIATE SEASON. IN SUCH INSTANCES WHERE THE ESTABLISHMENT OF VEGETATION IS INOPPORTUNE DUE TO SEASON OR DROUGHT, DISTURBED AREAS SHALL BE TEMPORARILY STABILIZED USING 2"-4" OF MULCH (Ds1). ADDITIONAL PLANTINGS WILL BE NECESSARY IF A SUFFICIENT STAND OF GRASS FAILS TO GROW.
11. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND-DISTURBING ACTIVITIES.
12. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
13. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS, SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
14. THERE ARE CRITICAL AREAS OF BUFFER DISTURBANCE FOR THIS PROJECT. THERE ARE WATERS OF THE STATE ON OR WITHIN 200' OF THE PROJECT. THERE ARE NO JURISDICTIONAL WETLANDS PRESENT IN THE PROJECT AREA.
15. PER THE NRCS WEBSITE SOIL SERIES INCLUDED WITHIN PROJECT SITE ARE:
UfE-- URBAN LAND-RION COMPLEX, 10-25% SLOPES
16. THERE ARE NO DISCHARGES OF STORM WATER OR SANITARY WASTE FROM THE CONSTRUCTION ACTIVITIES OF THIS PROJECT EXPECTED TO IMPACT IMPAIRED STREAM SEGMENTS.
17. EXPECTED CONSTRUCTION DURATION FOR THIS PROJECT IS 4 WEEKS MAXIMUM.
18. PER SECTIONS 74-305 (a), THIS PROJECT IS EXEMPT FROM PROVISIONS OF CITY'S 75' RIPARIAN BUFFER ORDINANCE.
19. DURING CONSTRUCTION, PORTABLE TOILETS SHALL BE PROVIDED ON SITE FOR WORKERS. A MINIMUM OF ONE(1) TOILET SHALL BE PROVIDED FOR EACH TEN (10) WORKERS. PORTABLE TOILETS SHALL BE INSTALLED IN ACCORDANCE WITH ALL RELEVANT WASTE DISPOSAL REGULATIONS.
20. HE MAXIMUM LENGTH OF TRENCH WHICH MAY BE OPENED AT A GIVEN TIME ALONG THE PIPE ALIGNMENT, PRIOR TO BACKFILLING AND THE USE OF TEMPORARY AND/OR PERMANENT STABILIZATION IS 100 FT. MAXIMUMPER SPECIFICATION, SECTION 02200 EARTHWORK, PAGE 12.
21. REMOVE ALL EXCESS EXCAVATED MATERIAL PROMPTLY. CONSTRUCTION IS STRICTLY LINEAR INSTALLATION WITH RESTORATION & STABILIZATION MADE AS WE PROGRESS WITH PIPE LAYING. THE CONTRACT LIMITATION ON THE TRENCH LENGTH WHICH CAN BE DISTURBED AT A GIVEN TIME WILL ELIMINATE THE NEED FOR PROVIDING 67 CU. YDS. OF SEDIMENT
22. SEDIMENT/EROSION CONTROL DEVICES SHALL BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE SHALL BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.
23. NO NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25' UNDISTURBED STREAM BUFFER AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
24. ALL AMENDMENTS AND REVISIONS TO ES&PC PLAN WHICH HAVE SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY A DESIGN PROFESSIONAL.
25. WASTE MATERIALS SHALL NOT BE DISCHARGED TO THE WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
26. PER OGCA 391-3-7.05 (1)(C) THIS PROJECT IS EXEMPT FROM 25 FOOT BUFFER

Ds3

SEASON	SPECIES	RATE/1000 S.F. (PURE LIVE SEED)	PLANTING DATES	ANALYSIS OR EQUIVALENT N-P-K	RATE	N-TOP DRESSING RATE	REMARKS
C O O L	BERMUDA, COMMON (Cynodon dactylon) Unhulled seed with temporary cover with other perennials	0.2 lb. 0.1 lb.	3/1 to 6/30	6-12-12	1500 LBS/AC = 34.5 LBS/1000SF	50-100 LBS/AC = 1.15-2.30 LBS/1000SF Apply in spring following seeding. Apply in split applications when high rates are used.	Plant with winter annuals. Plant with Tall fescue. *
	FESCUE, TALL (Festuca arundinacea) alone with other perennials	1.1 lb. 0.7 lb.	10/1 to 2/28	6-12-12	1500 LBS/AC = 34.5 LBS/1000SF	50-100 LBS/AC = 1.15-2.30 LBS/1000SF Apply in spring following seeding. Apply in split applications when high rates are used.	227,000 seed per pound. Use alone only on better sites. Not for droughty soils. Mix with perennial ryegrass or Crownvetch. Apply topdressing in spring following fall plantings. Not for heavy use greas or athletic fields.
WARM	BERMUDA, COMMON (Cynodon dactylon) Hulled seed alone with other perennials	0.2 lb. 0.1 lb.	8/15 to 10/31	6-12-12	1500 LBS/AC = 34.5 LBS/1000SF	50-100 LBS/AC = 1.15-2.30 LBS/1000SF Apply when plants grow to a height of 2 to 4 inches. Apply in 3 split applications.	1,787,000 seed per pound. Quick cover. Low growing and sod forming. Full sun. Good for athletic fields. **

NOTE: (1) TEMPORARY STABILIZATION (MULCHING ONLY) WHEN SEEDING WILL NOT HAVE A SUITABLE GROWING SEASON MAY BE ACCOMPLISHED WITH: STRAW OR HAY-2.5 TONS/ACRE WOOD WASTE, BARK, SAWDUST-2-3" DEEP (APPROX. 6-9 TONS/ACRE)

* (2) APPLY IN SPRING FOLLOWING SEEDING.

APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.

** (3) APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES. APPLY IN 3 SPLIT APPLICATIONS.

LOCATION	LATITUDE	LONGITUDE
Co	N33° 48' 40.47"	W84° 24' 36.29"

GENERAL CONSTRUCTION SCHEDULE												
Approx. Start Date:TBD; Approx. Completion Date:TBD												
BEGIN CONSTRUCTION: TBD		WEEK 1				WEEK 2					WEEK 3	
CONTRACTOR MOBILIZATION.												
PLACE CONSTRUCTION ENTRANCE, INSTALL SILT FENCE, INLET PROTECTION & TREE PROTECTION FENCE (PERIMETER CONTROLS).												
CLEAR AND GRUB EXISTING ALIGNMENT (AND TEMPORARY CONSTRUCTION EASEMENT) AS REQUIRED.												
INSTALL 66' OF STORM SEWER												
INSTALL TEMPORARY STABILIZATION (Ds2) AND DUST CONTROL AS NEEDED												
INSTALL MATTING AND BLANKETS AND STABILIZATION (Ds3) ON DISTURBED AREAS AND COMPLETED AREAS OF CREEK BANKS.												
REMOVAL OR EROSION CONTROLS AND DEMOBILIZATION.												
INSPECTION, TESTING AND CCTV.												

Ds2

VEGETATIVE PLAN

SEASON	SPECIES	RATE/1000 S.F. (PURE LIVE SEED)	PLANTING DATES	ANALYSIS OR EQUIVALENT N-P-K	RATE	REMARKS
W A R M	MILLET, BROWNTOP (Panicum fasciculatum) alone in mixtures	0.9 lb. 0.2 lb.	4/1 to 7/20	6-12-12	1500 LBS/AC = 34.5 LBS/1000SF	137,000 seed per pound. Quick dense cover. Will provide too much competition in mixtures if seeded at high rates.
	MILLET, PEARL (Pennisetum glaucum) alone	1.1 lb.	3/15 to 8/31	6-12-12	1500 LBS/AC = 34.5 LBS/1000SF	88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
C O O L	RYE (Secale cereale) alone in mixtures	3.9 lb. 0.6 lb.	8/15 to 12/31	6-12-12	1500 LBS/AC = 34.5 LBS/1000SF	18,000 seed per pound. Quick cover. Drought tolerant and winterhardy.
	RYEGRASS, ANNUAL (Lolium temulentum) alone	0.9 lb.	8/1 to 4/15	6-12-12	1500 LBS/AC = 34.5 LBS/1000SF	227,000 seed per pound. Quick cover. Very competitive and is not to be used in mixtures.
	WHEAT (Triticum aestivum) alone in mixtures	4.1 lb. 0.7 lb.	9/1 to 12/31	6-12-12	1500 LBS/AC = 34.5 LBS/1000SF	15,000 seed per pound. Winterhardy.

VEGETATIVE MEASURES

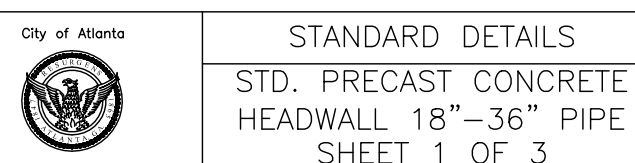
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not have a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedlings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, sod or legumes on disturbed areas.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
Mb	EROSION CONTROL MATTING AND BLANKETS		Mb	A protective covering (blanket) or soil stabilization mat used to establish permanent vegetation on steep slopes, channels, or shorelines.


STRUCTURAL PRACTICES

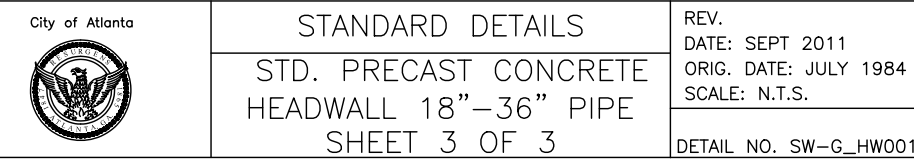
CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		Co	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.
Sd1	SEDIMENT BARRIER		Sd1	A barrier to prevent sediment from leaving the construction site. It may be sandbags, bales of straw or hay, brush, logs and poles, gravel, or a silt fence.
St	STORMDRAIN OUTLET PROTECTION		St	A paved or short section of riprap channel at the outlet of a storm drain system preventing erosion from the concentrated runoff.
Sd2	SEDIMENT TRAP, TEMPORARY		Sd2	An impounding area created by excavating around a storm drain drop inlet. The excavated area will be filled and stabilized on completion of construction activities.



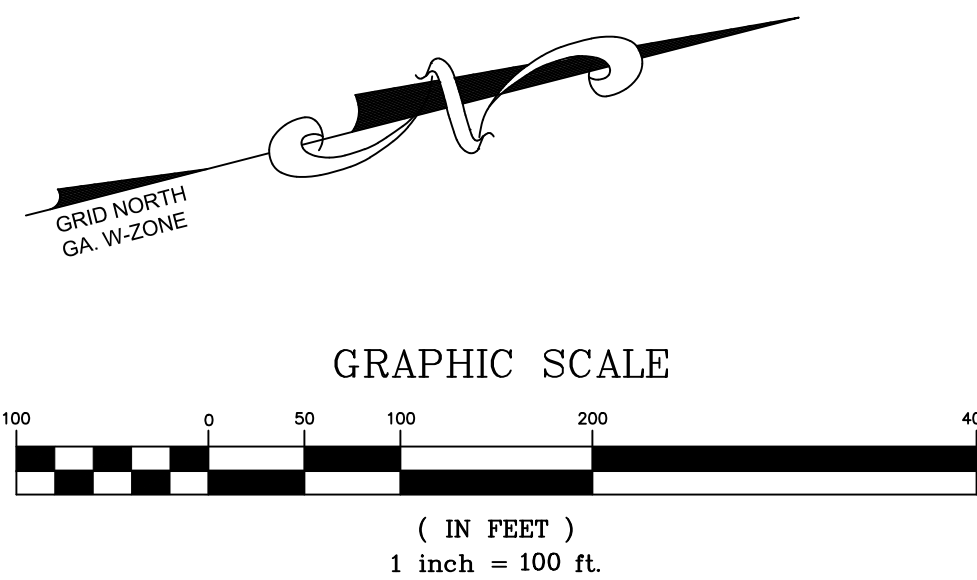
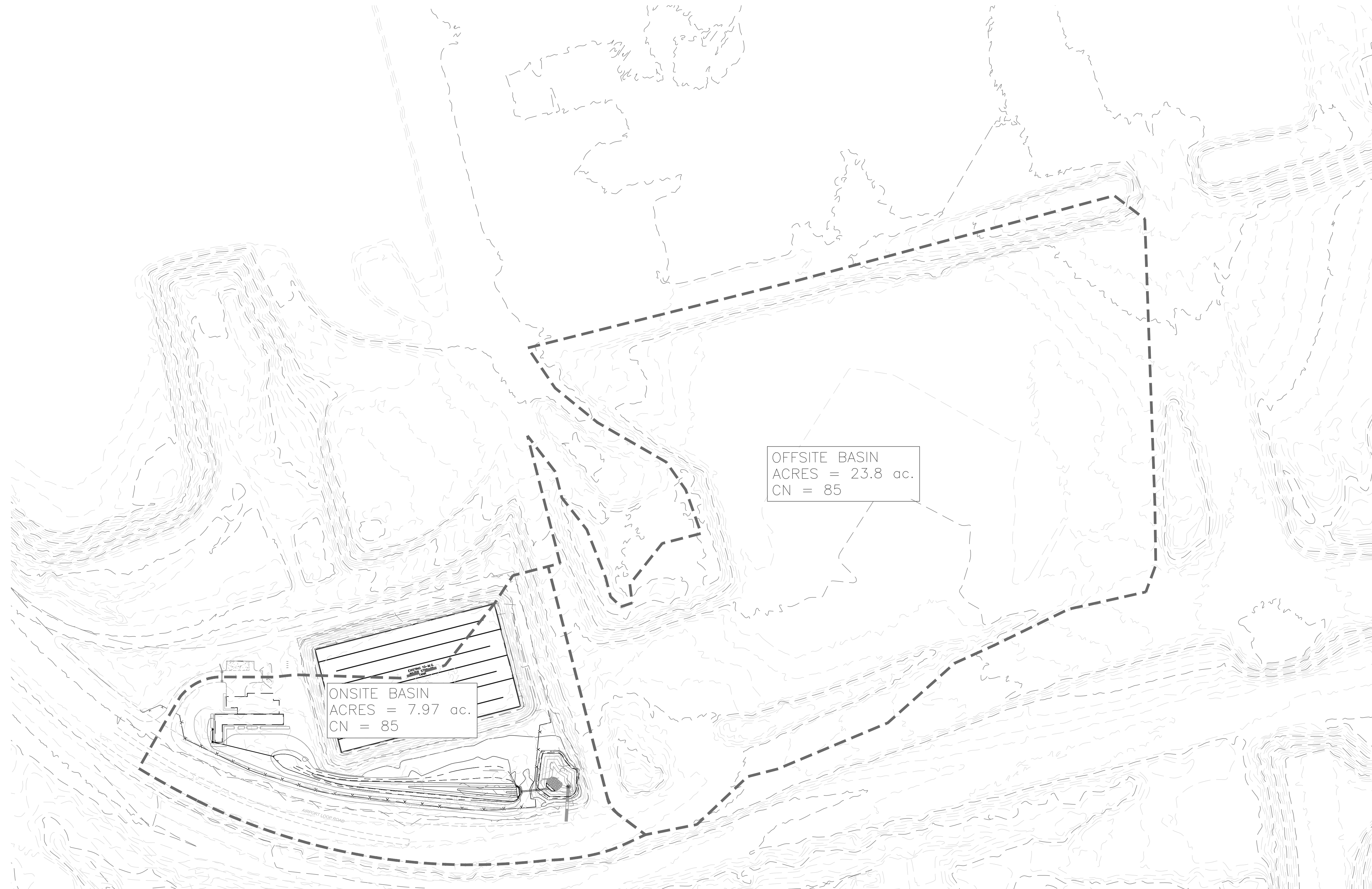
DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED										
<div>PRELIMINARY</div> <div>NOT FOR</div> <div>CONSTRUCTION</div>	REVISIONS			CITY OF ATLANTA						
	NO.	DATE	DESCRIPTION	DEPARTMENT OF WATERSHED MANAGEMENT						
				BUREAU OF ENGINEERING SERVICES						
				FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT						
				EROSION CONTROL DETAILS - 1						
				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY	SCALE
				--	--	--	22	13	FULTON	AS NOTED
			DRAWN BY	DESIGNED	BY	CHECKED	BY	APPROVED	BY	
			--	--	--	--	--	--	DATE	
									MAY, 2015	
ENGINEER OF RECORD				PROJECT NUMBER:			DATE OF SURVEY: N/A		SHEET	
									14 OF 19	



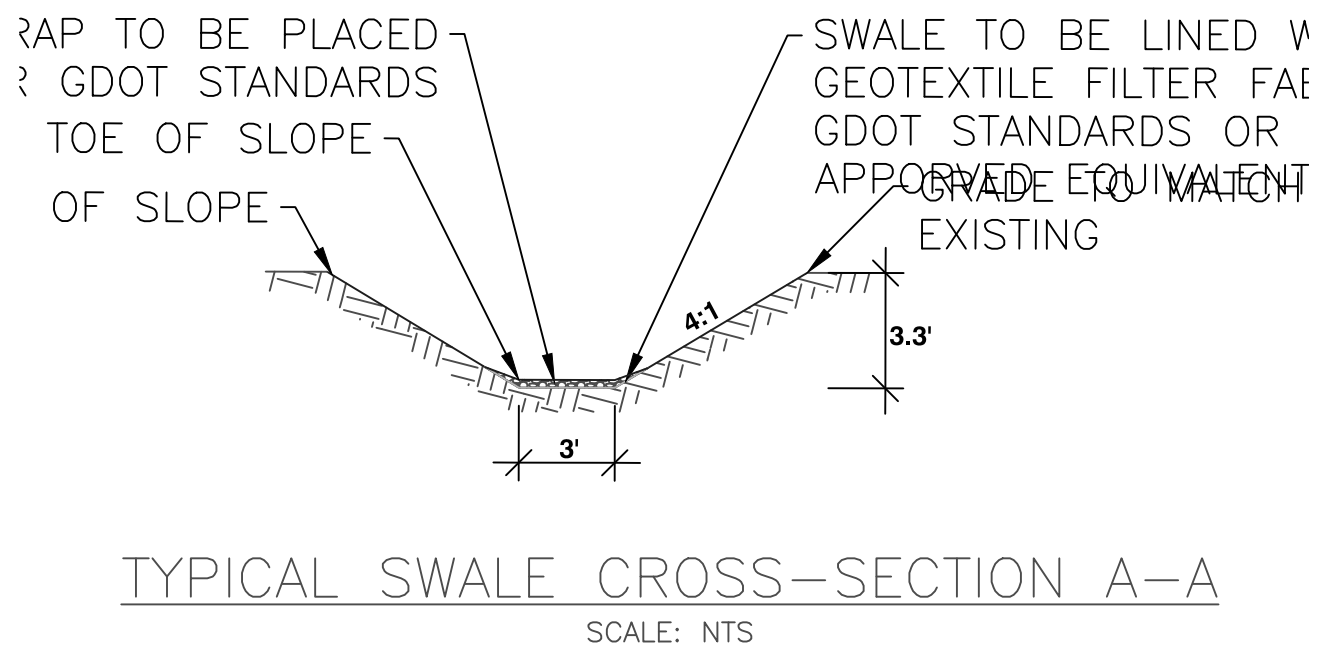
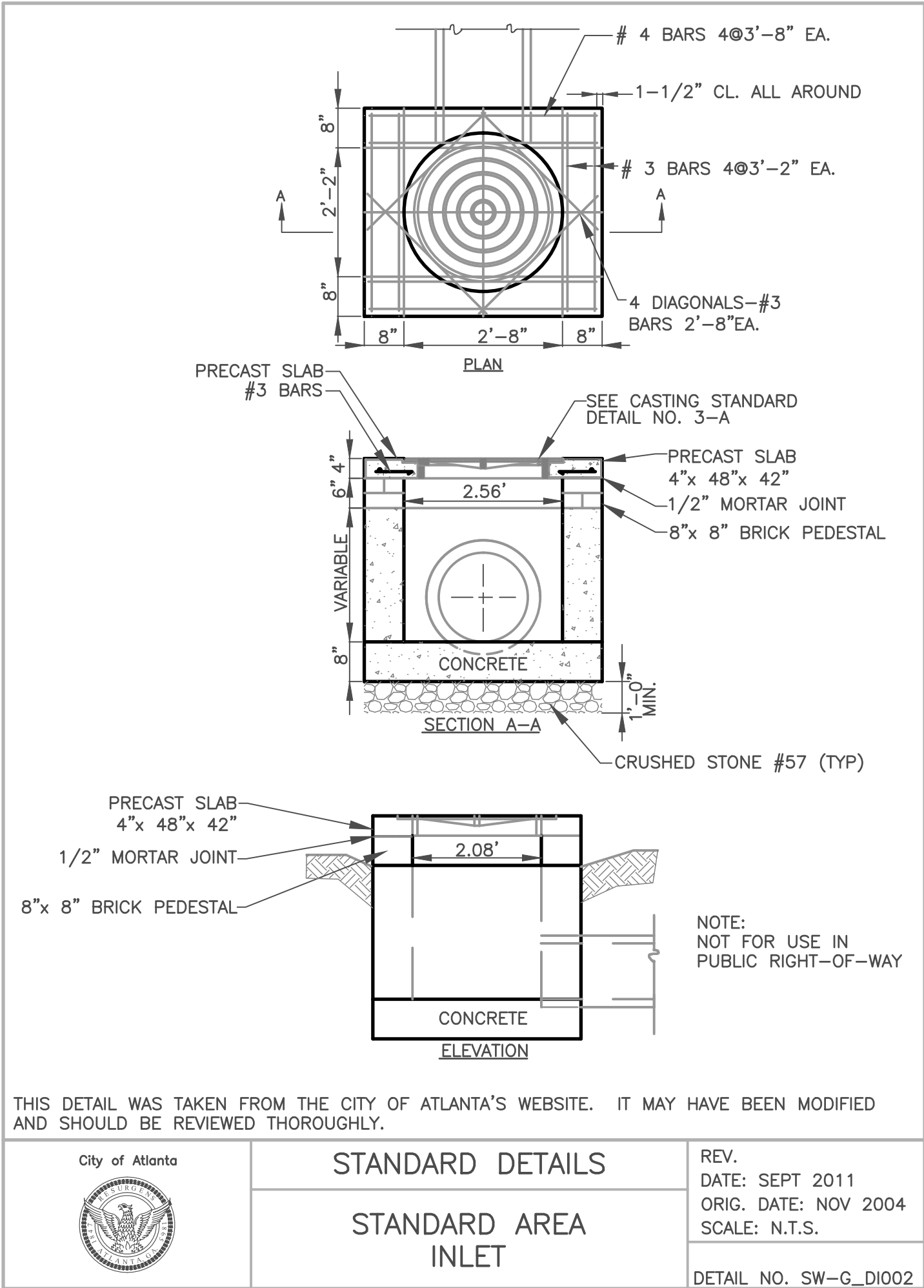
	STANDARD DETAILS	REV.
	STD. PRECAST CONCRETE HEADWALL 18"-36" PIPE SHEET 2 OF 3	DATE: SEPT 2011 ORIG. DATE: JULY 1984 SCALE: N.T.S.
		DETAIL NO. SW-G_HW001



DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED										
<div>PRELIMINARY</div> <div>NOT FOR</div> <div>CONSTRUCTION</div>	REVISIONS			CITY OF ATLANTA						
	NO.	DATE	DESCRIPTION	DEPARTMENT OF WATERSHED MANAGEMENT						
				BUREAU OF ENGINEERING SERVICES						
				FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT						
				STANDARD DETAILS						
				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY	SCALE
				--	--	--	22	13	FULTON	AS NOTED
			DRAWN BY	DESIGNED	BY	CHECKED	BY	APPROVED	BY	DATE
			--	--	--	--	--	--	--	MAY, 2015
ENGINEER OF RECORD				PROJECT NUMBER:			DATE OF SURVEY: N/A			SHEET 16 OF 19



DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED										
<div>PRELIMINARY</div> <div>NOT FOR</div> <div>CONSTRUCTION</div>	REVISIONS			CITY OF ATLANTA						
	N.O.	DATE	DESCRIPTION	DEPARTMENT OF WATERSHED MANAGEMENT						
				BUREAU OF ENGINEERING SERVICES						
				FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT						
				STORMWATER DRAINAGE MAP						
				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY	SCALE
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			DRAWN BY	DESIGNED	BY	CHECKED	BY	APPROVED	BY	DATE
			--	--	--	--	--	--	--	MAY, 2015
ENGINEER OF RECORD				PROJECT NUMBER:			DATE OF SURVEY: N/A			SHEET 18 OF 19



DRAWING IS TO BE CONSIDERED PRELIMINARY UNLESS APPROVED									
PRELIMINARY NOT FOR CONSTRUCTION	REVISIONS			CITY OF ATLANTA DEPARTMENT OF WATERSHED MANAGEMENT BUREAU OF ENGINEERING SERVICES					
	N.O.	DATE	DESCRIPTION	FC-XXXX HARTSFIELD-JACKSON MANIFOLD IMPROVEMENTS PROJECT SECURITY FENCE DETAILS					
				SURVEYOR	FIELD	BOOKS	L.L.	DIST.	COUNTY
				--	--	--	22	13	FULTON
				DRAWN BY	DESIGNED	BY	CHECKED	BY	APPROVED
				--	--	--	--	--	DATE MAY, 2015
ENGINEER OF RECORD				PROJECT NUMBER:			DATE OF SURVEY: N/A		SHEET 19 OF 19

EXHIBIT D.3

**T-1 Record Drawings: East Side of Hartsfield
International Airport Water Storage and
Pumping Station**

(See Volume II)

ELECTRICAL SECTION
8/17/82

CITY OF ATLANTA, GEORGIA
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

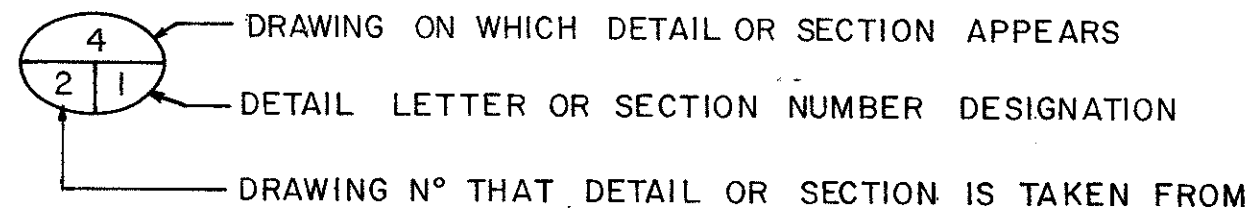
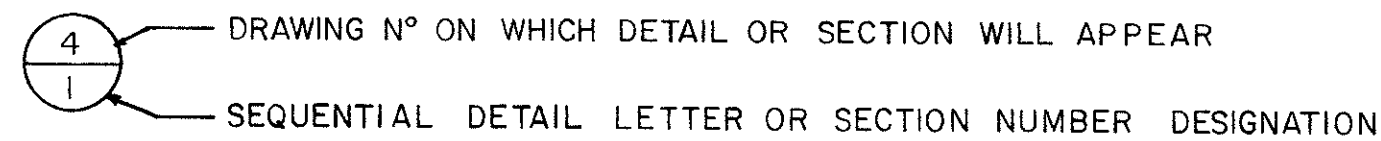


COUNCIL OF THE CITY OF ATLANTA
MADISON·MADISON·INTERNATIONAL/FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
JOINT VENTURE

ATLANTA, GEORGIA

ENGINEERS PROJECT NO. 7749-02 / 7733-I

LEGEND

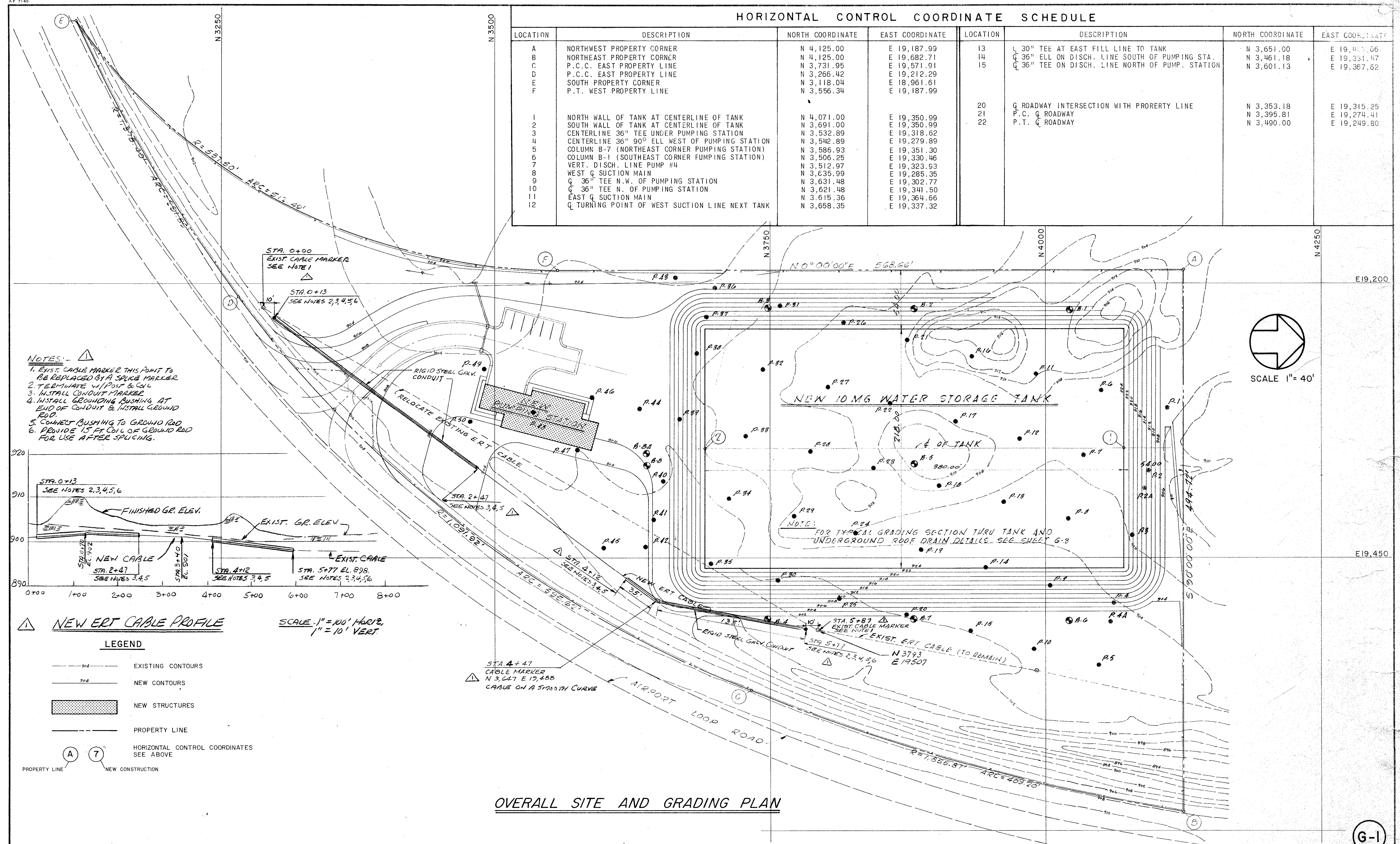


GENERAL NOTES

1. ALL ELEVATIONS BASED ON U.S.C. & G.S. DATUM.
2. ALL ELEVATIONS SHOWN ARE IN FEET.
3. PROVIDE A MINIMUM 6" CLEARANCE, OR AS NOTED, BETWEEN ALL LINES. NO SPECIAL PAYMENT ALLOWED.
4. IN ACCORDANCE WITH THE GENERAL CONDITIONS, IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND AVOID ALL UTILITIES, OTHER STRUCTURES AND OBSTRUCTIONS BOTH ABOVE AND BELOW THE GROUND SURFACE.
5. ALL WATER SERVICE IS TO BE CONTINUOUS THROUGHOUT CONSTRUCTION.
6. THE CONTRACTOR SHALL RESTORE ALL CULVERTS, HEADWALLS AND STORM DRAIN INLETS REMOVED OR DISTURBED BY THE CONSTRUCTION OPERATION.
7. CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF GEORGIA TO REFERENCE AND RESTORE PROPERTY CORNERS AND LAND MARKERS WHICH MAY BE DESTROYED BY CONSTRUCTION.

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4	G-2	PUMPING STATION SITE AND GRADING PLAN
5	G-3	GRADING AND DRAINAGE DETAILS
6	G-4	SANITARY SEWER PLAN & PROFILE
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8	M-2	PUMPING STATION MECHANICAL SITE PLAN
9	M-3	RESERVOIR PLAN & SECTIONS
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12	M-6	PUMPING STATION-LONGITUDINAL SECTIONS
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16	M-10	CHLORINATION EQUIPMENT AND MISCELLANEOUS DETAILS
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60	A-8	WALL SECTIONS
61	A-9	REFLECTED CEILING PLAN
62	A-10	SITE PLANTING PLAN



AS BUILT

8/10/82

PRE-PROD REVISIONS		FWS	F&A	7/79		
NO.	DESCRIPTION	BY	FIRM	DATE	BY	DATE
REVISIONS		SUBMITTAL		BUREAU OF WATER APPROVAL		

CONSULTING ENGINEERS	
SUBMITTED BY:	<i>[Signature]</i>
REG. ENGR. GA. NO. 10317	DATE 1-29-79
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.	

CITY OF ATLANTA	
BUREAU OF WATER	
T.E. STALLWORTH, JR., DIRECTOR	
APPROVED BY:	<i>[Signature]</i>
DATE:	3-15-79



CITY OF ATLANTA, GEORGIA	
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER	
WATER IMPROVEMENT PROGRAM	
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT	
WATER STORAGE AND PUMPING STATION	

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.	
CONSULTING ENGINEERING	
Joint Venture	
ATLANTA, GEORGIA	
DESIGNED BY: J. R. H.	CHECKED BY: C. V.
DATE: AUG. 1979	SCALE: 1" = 40'
DRAWN BY: A. J. S.	

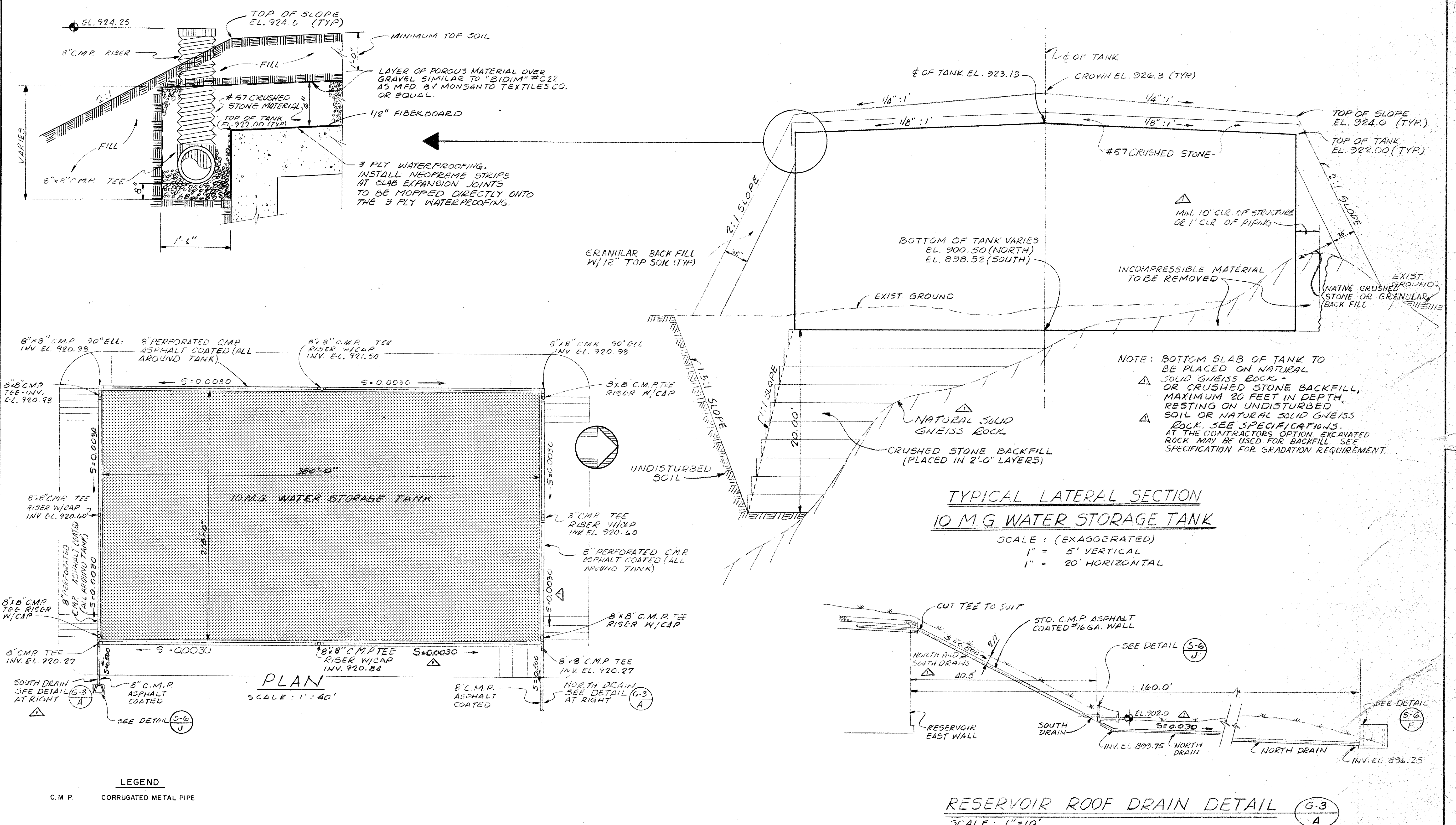
OVERALL SITE AND GRADING PLAN

PROJ. NO. 7733-1 SHEET NO. 3 OF 62

G-1

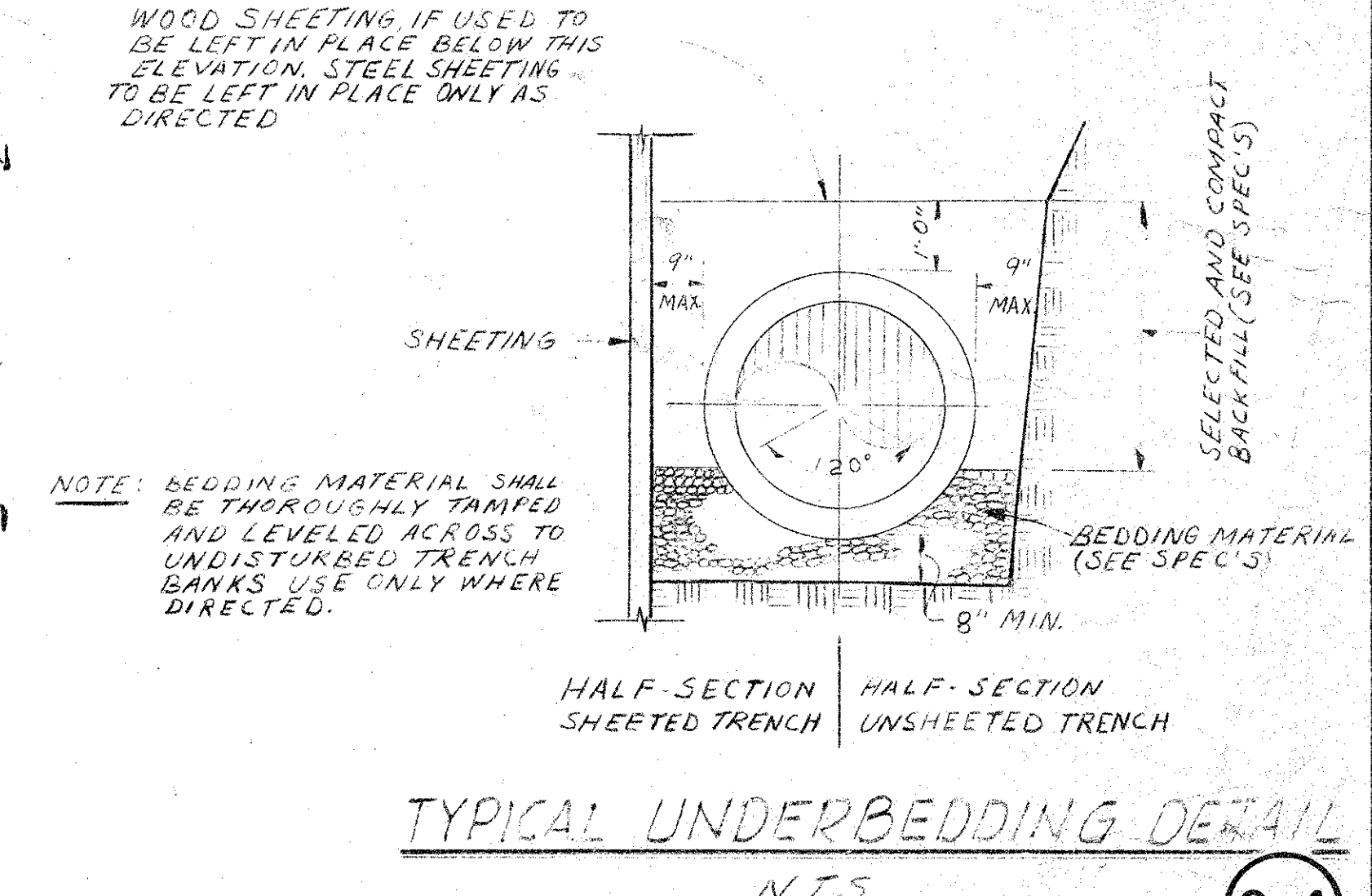
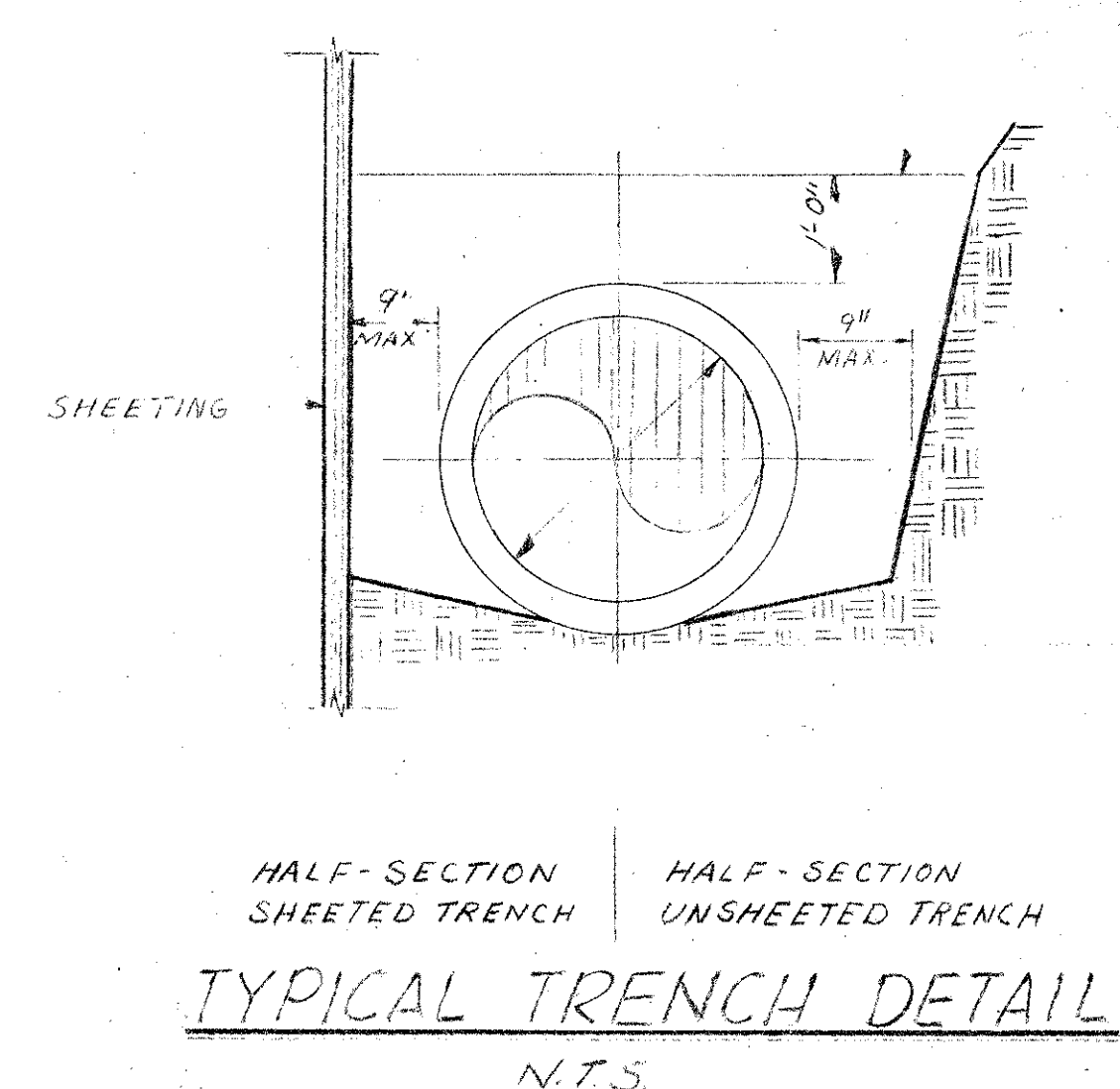
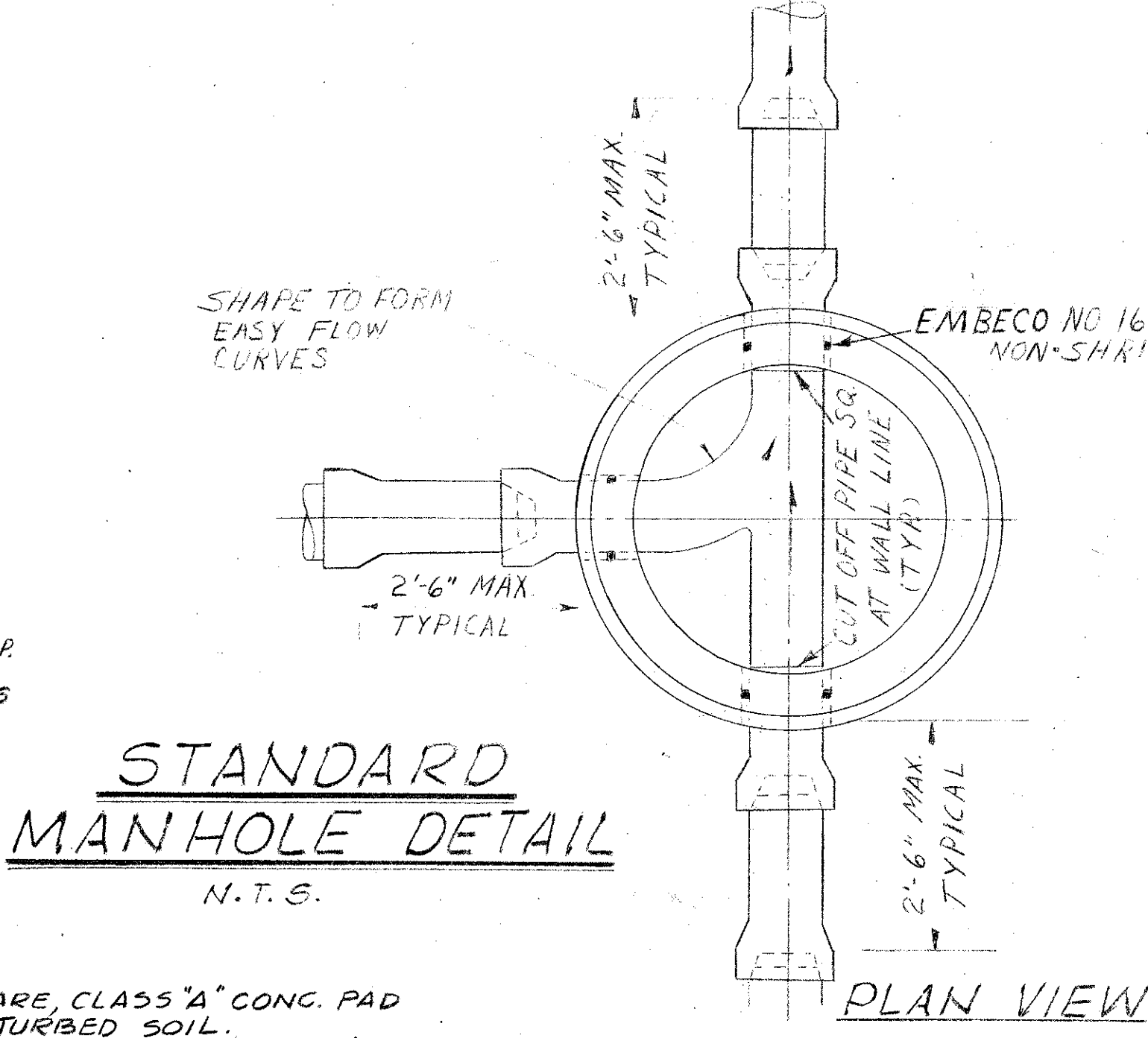
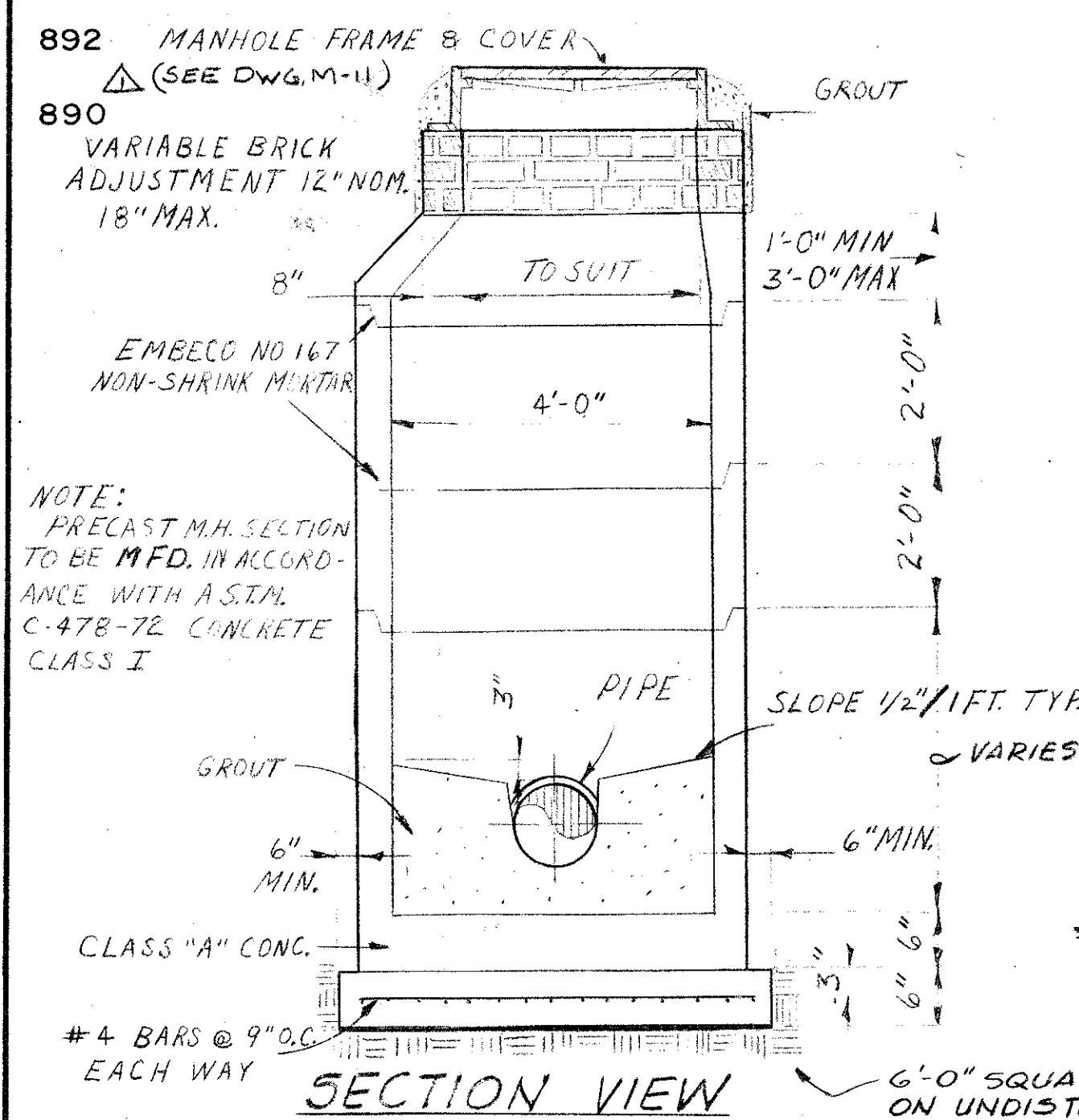
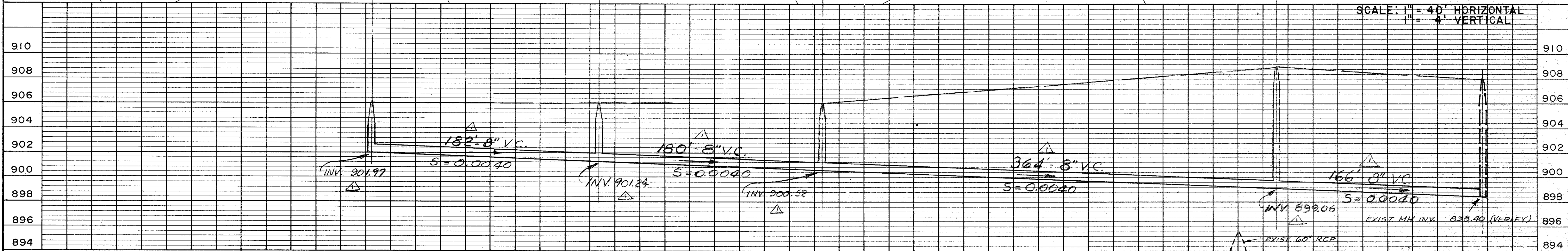
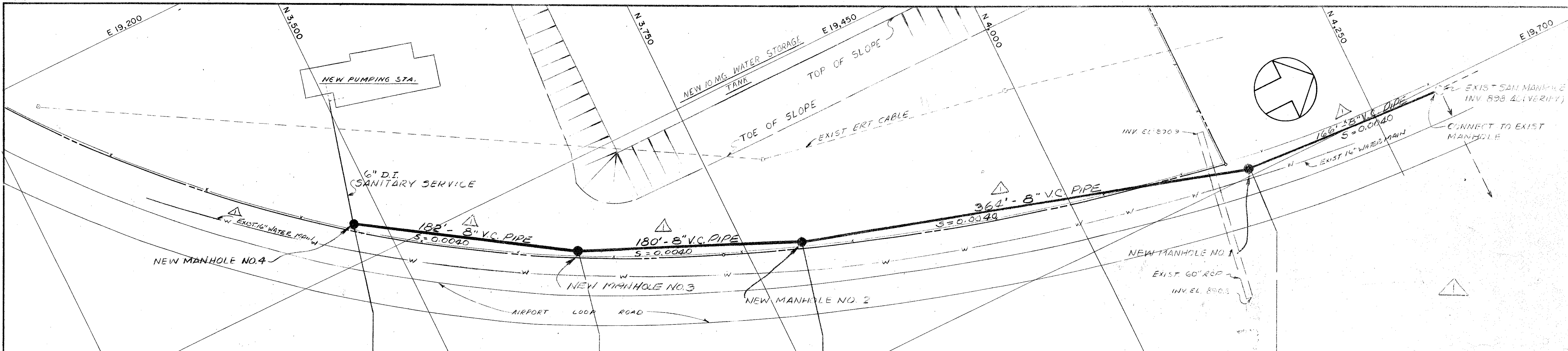



										CONSULTING ENGINEERS SUBMITTED BY: <u>Charles Rogers</u> CITY OF ATLANTA BUREAU OF WATER T.E. STALL WORTH, JR., DIRECTOR REG. ENGR. GA. NO. 10317 DATE 1-29-79 MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.										CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION										MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA										PUMPING STATION SITE AND GRADING PLAN																													
PRE-BID REVISIONS										FWS F&A 7/79										APPROVED BY: <u>[Signature]</u> DATE: 3-12-79										DESIGNED BY: J. R. H. CHECKED BY: C. V. DATE: AUG. 1979										DRAWN BY: A. J. S. SCALE: AS SHOWN										PROJ. NO. 7733-1 SHEET NO. 4 OF 62																			
NO. DESCRIPTION BY FIRM DATE										BY DATE																																																											
REVISIONS										SUBMITTAL										BUREAU OF WATER APPROVAL																																																	



AS BUILT 8/16/82

CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i> REG. ENGR. GA. NO. 10317 DATE 1-29-79				CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: 3-19-79				CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA DESIGNED BY: J.R.H. CHECKED BY: C.V. DATE: AUG. 1979 DRAWN BY: E.W. SCALE: AS SHOWN				GRADING AND DRAINAGE DETAILS PROJ. NO. 7733-1 SHEET NO. 5 OF 62			
REVISIONS				SUBMITTAL				BUREAU OF WATER APPROVAL											
FWS F&A 7/79																			
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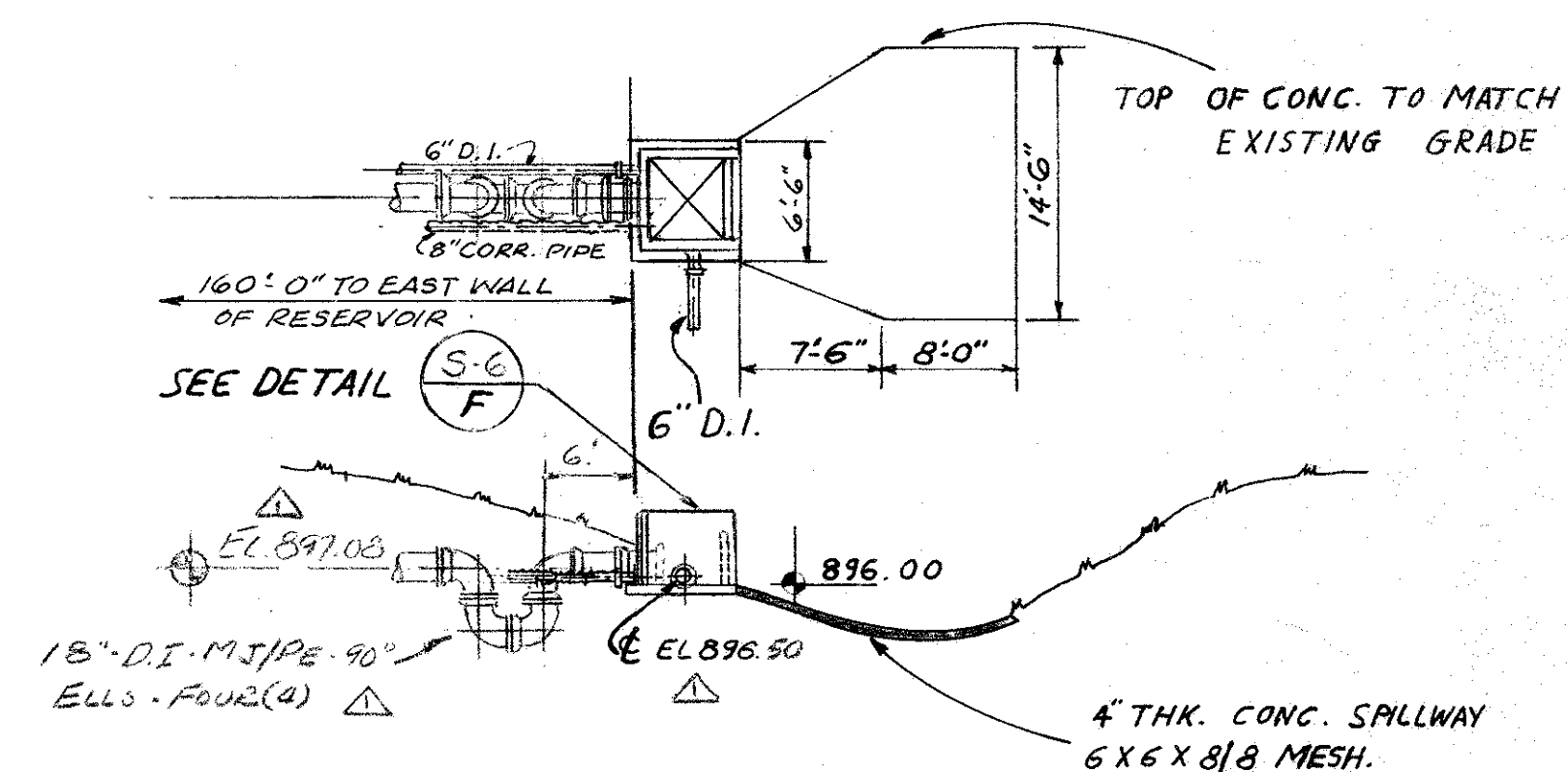
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										REG. ENGR. GA. NO. 10317 DATE 1-29-79																							
PRE-BID REVISIONS										FWS		FLA		7/79																			
NO.		DESCRIPTION								BY		FIRM		DATE		BY		DATE															
REVISIONS										SUBMITTAL				BUREAU OF WATER APPROVAL				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.															
																		APPROVED BY: <i>[Signature]</i> DATE: 3-12-79															

YARD PIPING LEGEND

- X BURIED GATE VALVE W/NUT OPERATOR IN MANHOLE
 X BURIED BUTTERFLY VALVE W/NUT OPERATOR & VALVE BOX
 X MOTORIZED BALL VALVE
 X REDUCER
 X CHECK VALVE
 X DRESSER COUPLING

YARD BOX LEGEND

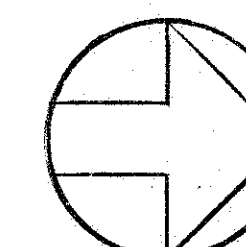
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2	24" CHECK VALVE	S-6
3	24" CHECK VALVE	S-6
4	FLOW TUBE	S-6
5	FLOW TUBE	S-6
6	POST CHLORINATION (FUTURE)	S-6
7	POST CHLORINATION (FUTURE)	S-6
8	PRE-CHLORINATION (FUTURE)	S-6
9	TANK OVERFLOW & DRAIN HEADWALL	S-6
10	ROOF DRAIN HEADWALL	S-6



TANK OVERFLOW & DRAIN HEADWALL

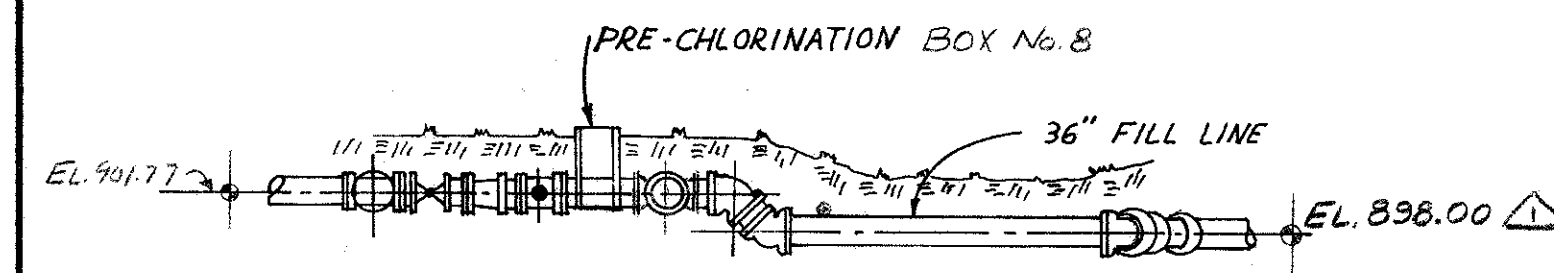
M-1
A

TERMINATE W/ PLUG



SCALE: 1"=40'

PROPERTY LINE IS LIMIT OF WORK UNDER THIS CONTRACT
CONNECTION TO EXISTING WATER MAIN SHALL BE MADE BY THE WATER BUREAU.



DETAIL
SCALE: 1"=20'

M-1
B

AS BUILT

8/16/82

NO.	DESCRIPTION	BY	FIRM	DATE	BY	DATE
1	PRE-BID REVISIONS	FWS	F&A	7/79		
	REVISIONS					

CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i>	CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR
REG. ENGR. GA. NO. 10317 DATE 1-29-79	APPROVED BY: <i>[Signature]</i> DATE: 3-19-79

MADISON · MADISON · INTERNATIONAL /
FLOOD & ASSOCIATES, INC.



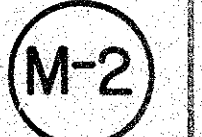
CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION


MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
Joint Venture
ATLANTA, GEORGIA

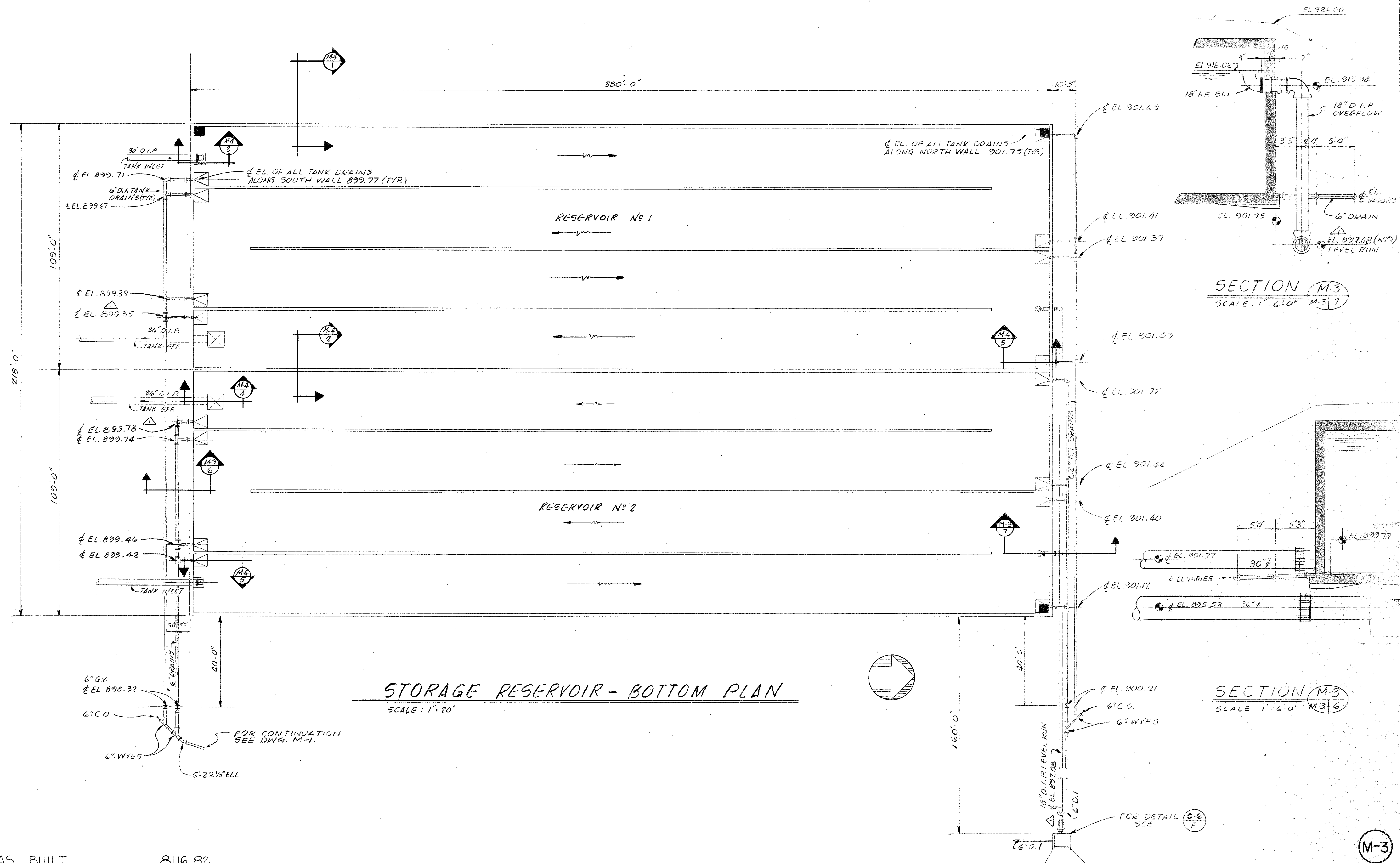
OVERALL MECHANICAL
SITE PLAN

DESIGNED BY: C.V. CHECKED BY: C.V. DATE: AUG. 1979
DRAWN BY: F.J. SCALE: AS SHOWN

PROJ. NO. 7733-1 SHEET NO. 7 OF 62

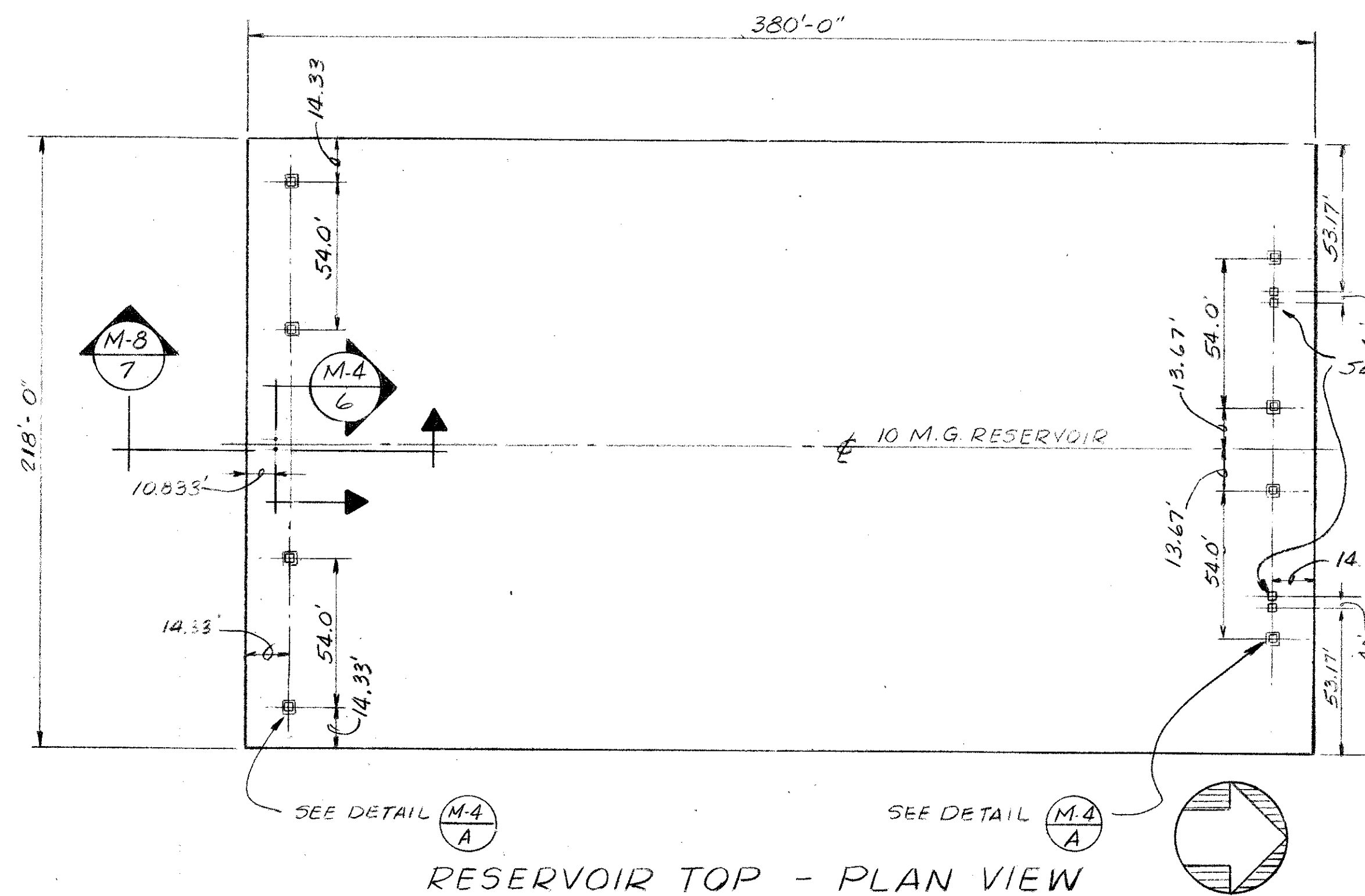


										CONSULTING ENGINEERS SUBMITTED BY: <u>Mark D. G.</u>										CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR REG. ENGR. GA. NO. <u>10317</u> DATE <u>1-29-79</u>										CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION										MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA										PUMPING STATION MECHANICAL SITE PLAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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NO. DESCRIPTION BY FIRM DATE BY DATE REVISIONS SUBMITTAL BUREAU OF WATER APPROVAL										MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.										APPROVED BY: <u>[Signature]</u> DATE: <u>3-17-79</u>																														DESIGNED BY: <u>C.V.</u> CHECKED BY: <u>C.V.</u> DATE: <u>AUG. 1979</u>										DRAWN BY: <u>F.J.</u> SCALE: <u>AS SHOWN</u>										PROJ. NO. <u>7733-1</u> SHEET NO. <u>8</u> OF <u>62</u>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

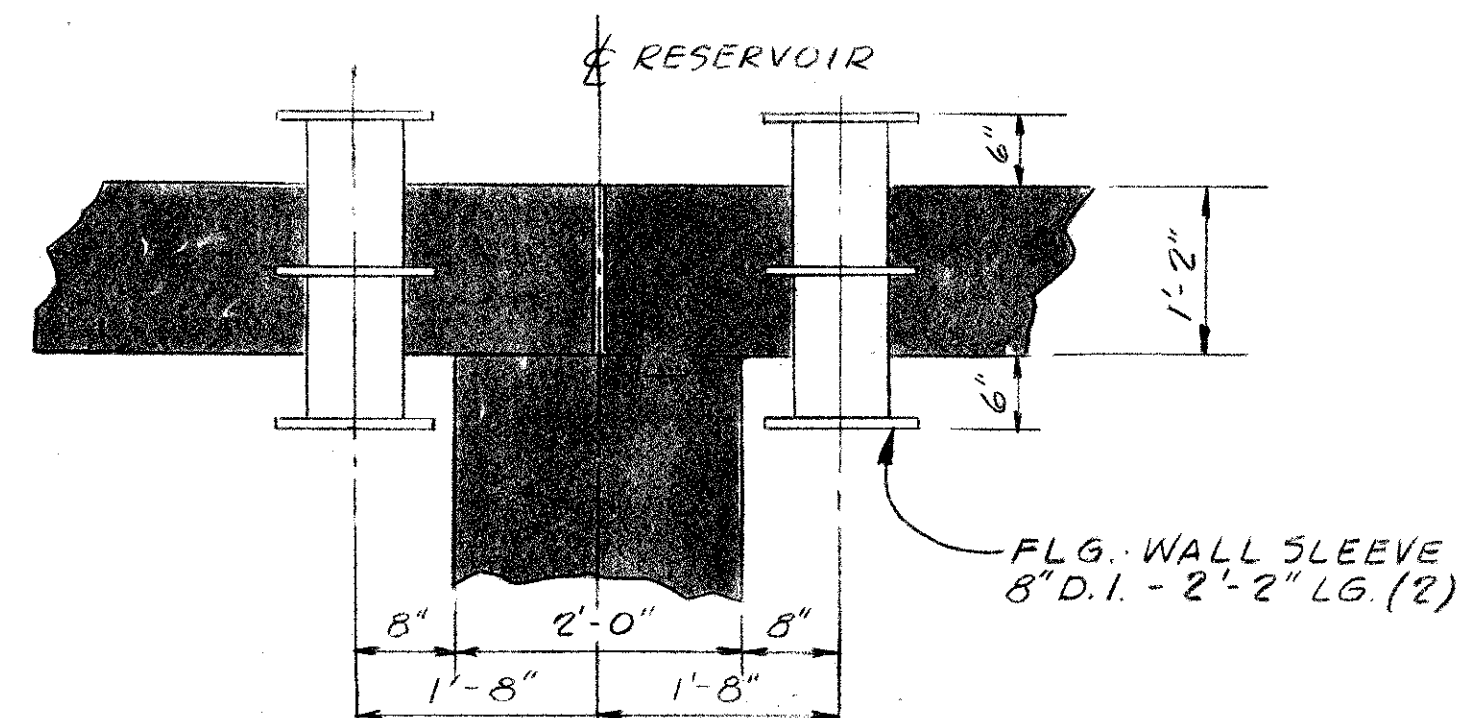


AS BUILT 8/16/82

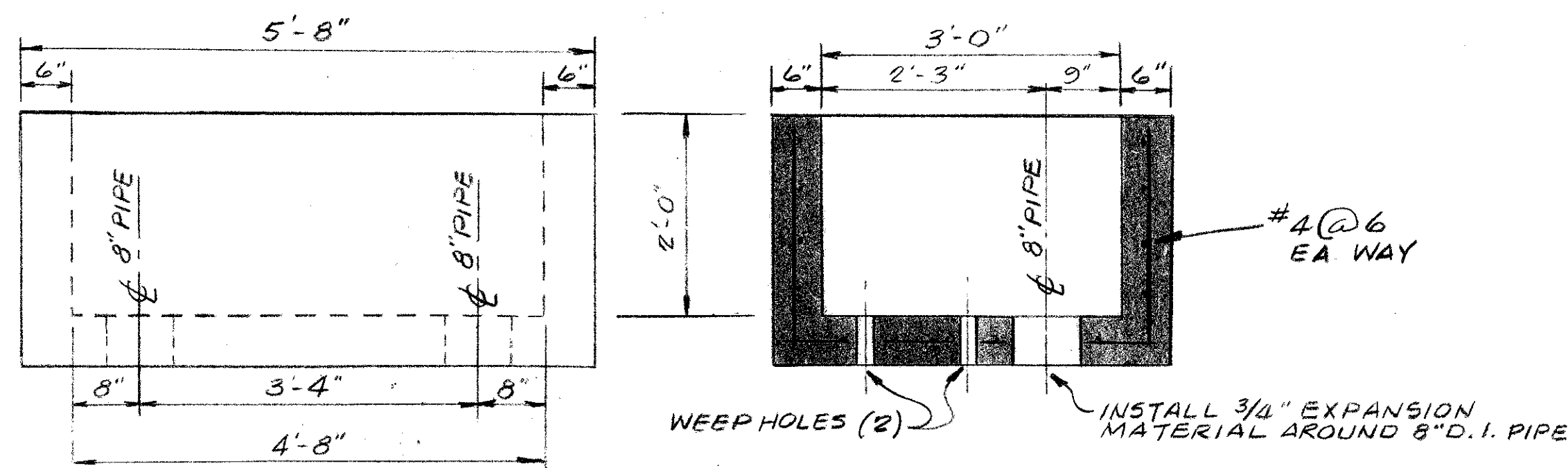
CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i> REG. ENGR. GA. NO. 10317 DATE 1-29-79				CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: 9-15-79				CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA DESIGNED BY: C.V. CHECKED BY: C.V. DATE: AUG. 1979 DRAWN BY: F.J. SCALE: AS SHOWN				RESERVOIR PLAN & SECTIONS PROJ. NO. 7733-1 SHEET NO. 9 OF 62			
PRE-BID REVISIONS				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.															
NO. DESCRIPTION				BY FIRM DATE															
REVISIONS				SUBMITTAL BUREAU OF WATER APPROVAL															



RESERVOIR TOP - PLAN VIEW
SCALE: 1" = 40'

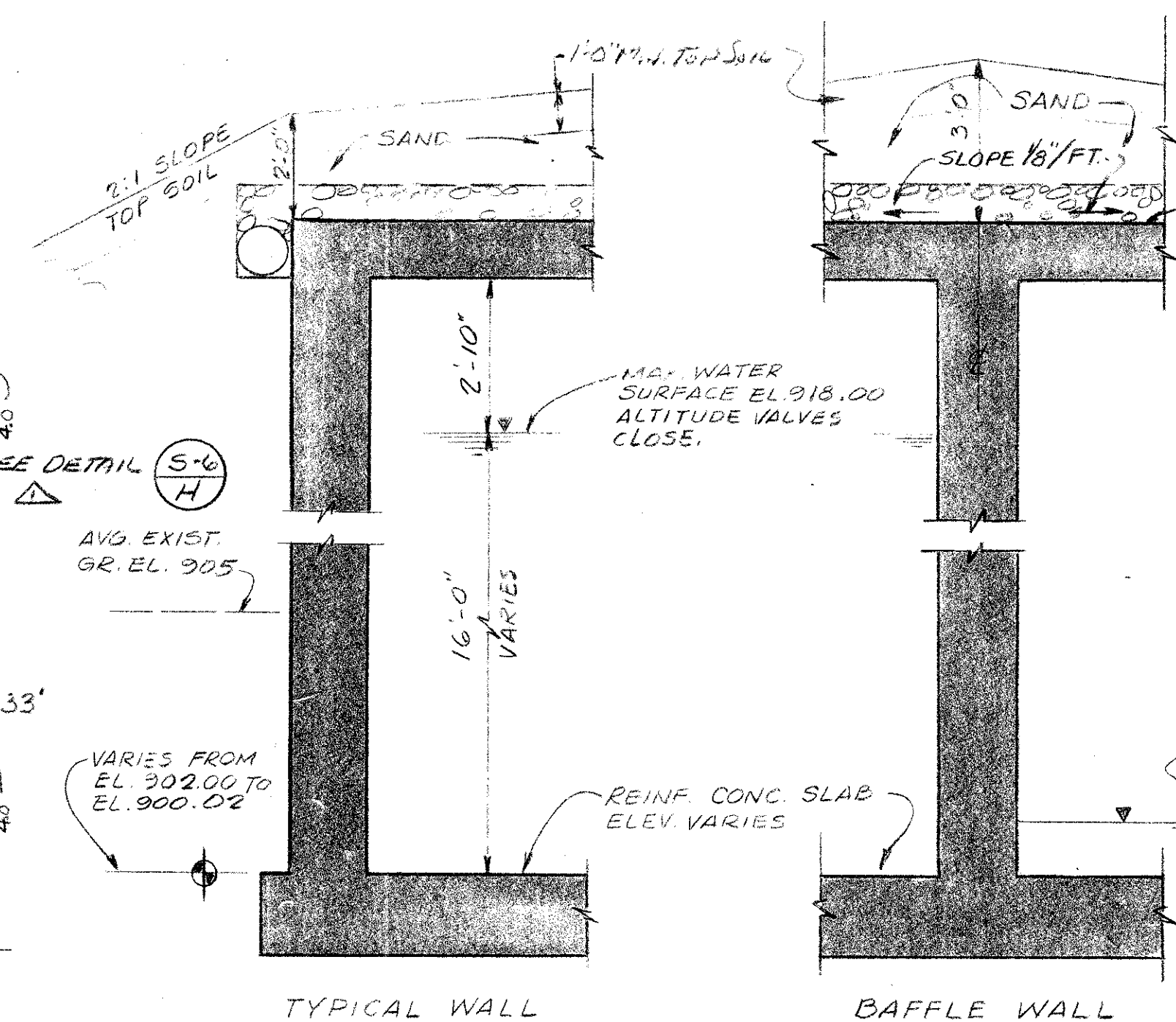


SECTION M-4 - 6
SCALE: 3/4" = 1'-0"



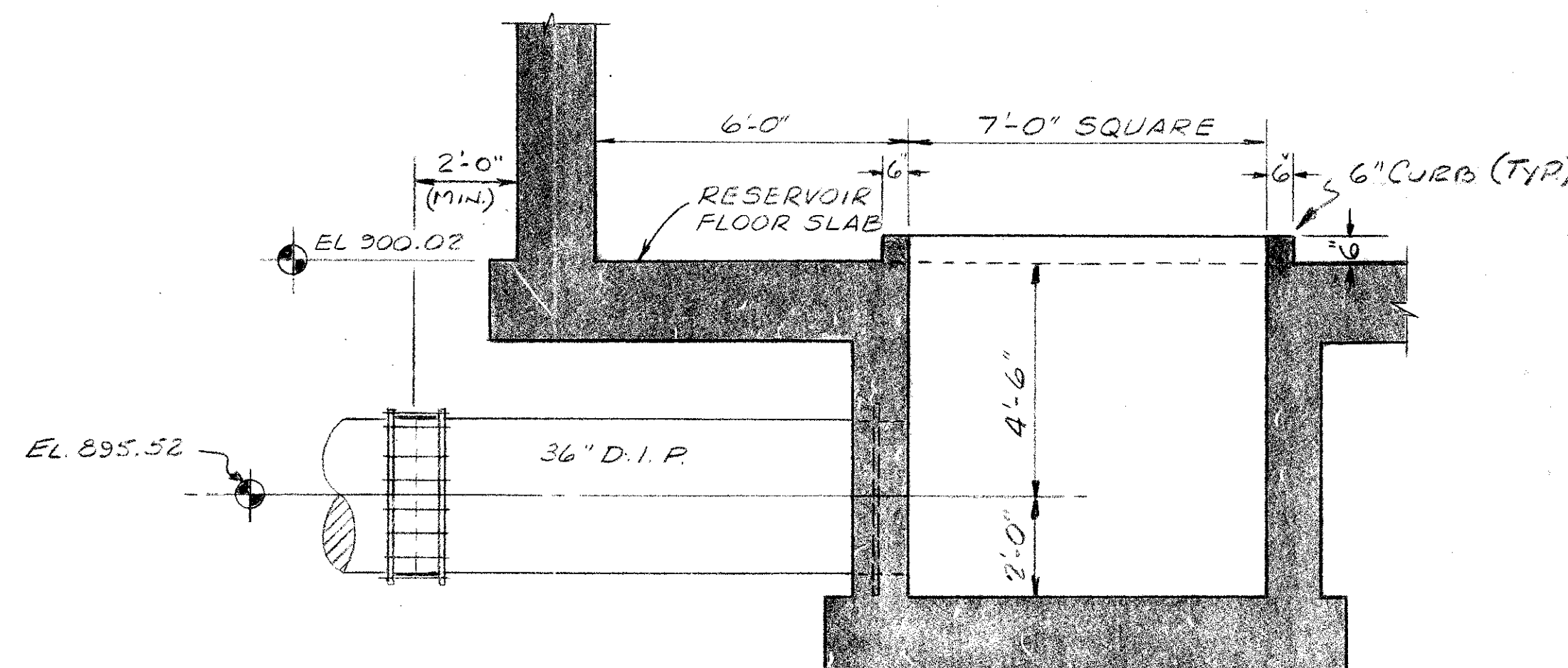
LEVEL CONTROL BOX

DETAIL M-4 - 8
SCALE: 3/4" = 1'-0"

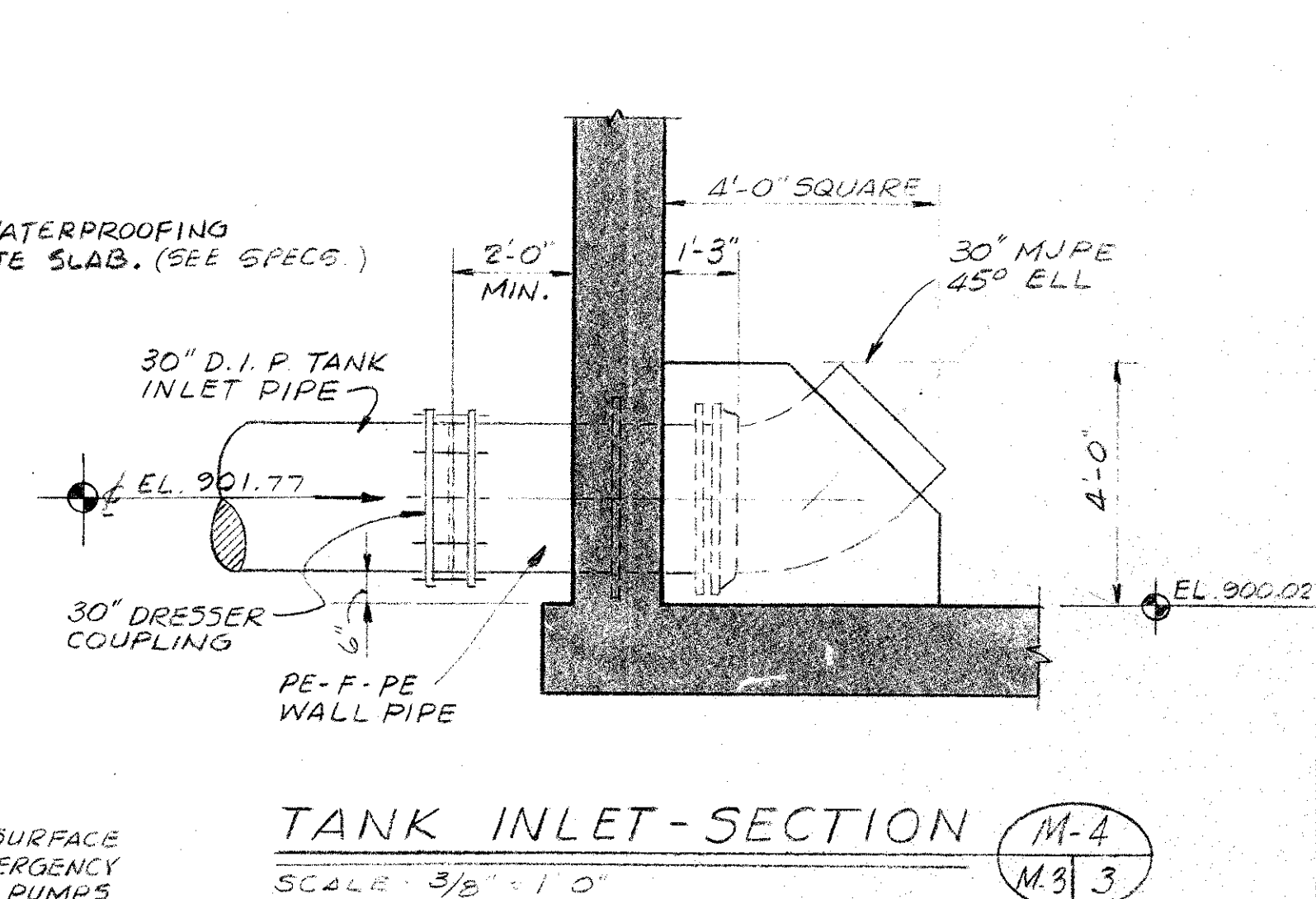


SECTION M-4 - 1
SCALE: 3/8" = 1'-0"

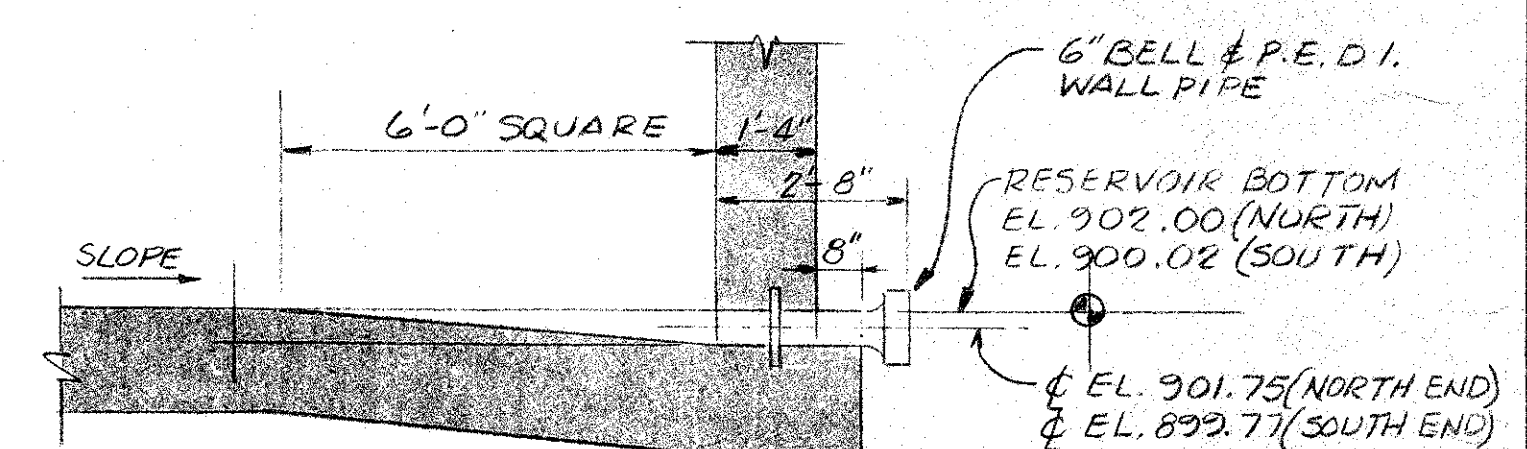
SECTION M-4 - 2
SCALE: 3/8" = 1'-0"



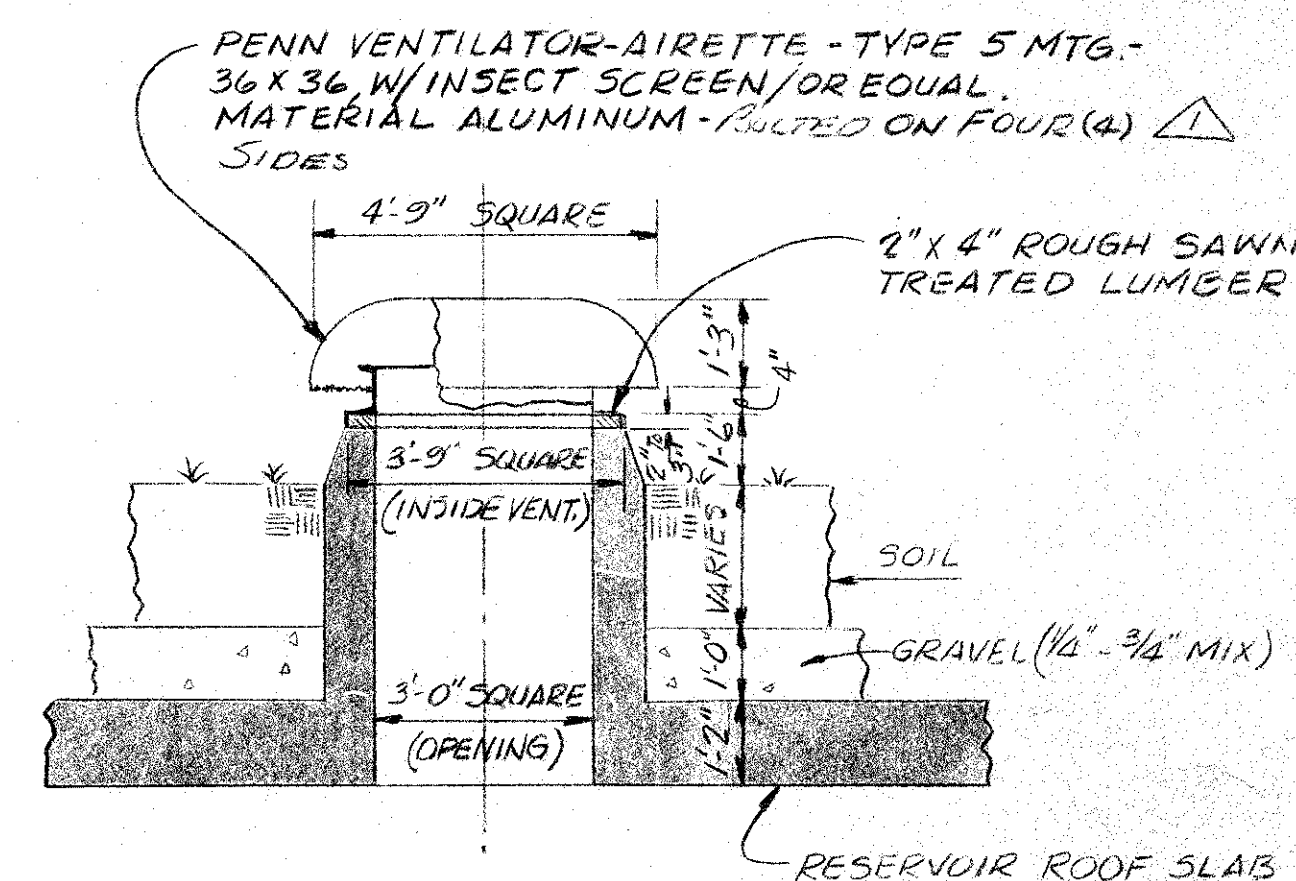
PUMP SUCTION - SECTION M-4 - 4
SCALE: 3/8" = 1'-0"



TANK INLET - SECTION M-4 - 3
SCALE: 3/8" = 1'-0"



TANK DRAIN - SECTION M-4 - 5
SCALE: 3/8" = 1'-0"




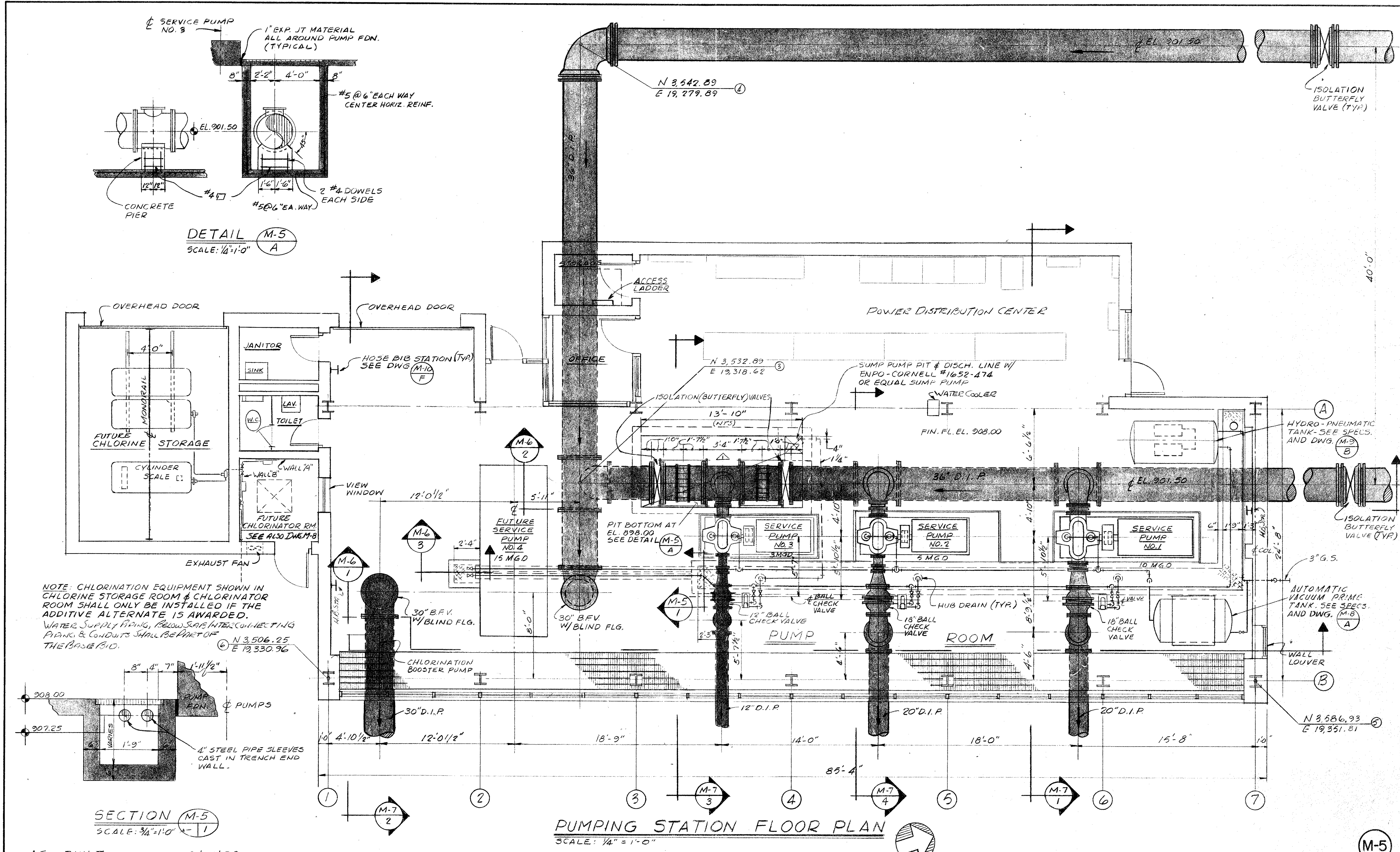
RESERVOIR ROOF VENTILATOR

DETAIL M-4 - A
SCALE: 3/8" = 1'-0"

AS BUILT

8/16/82

										CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i> REG. ENGR. GA. NO. 10317 DATE 1-29-79 MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.										CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: 3-15-79										 CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION										MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA DESIGNED BY: C.V. CHECKED BY: C.V. DATE: AUG. 1979 DRAWN BY: E.W. SCALE: AS SHOWN PROJ. NO. 7733-1 SHEET NO. 10 OF 62										RESERVOIR DETAILS									
PRE-BID REVISIONS										FW3 F&S 7/79																																																	
NO. DESCRIPTION BY FIRM DATE										BY DATE																																																	
REVISIONS										SUBMITTAL										BUREAU OF WATER APPROVAL																																							



AS BUILT

8/16/82

Δ	CORRECTIONS TO REV 3	FWS FFA	3/80		
Δ	REVISED PER PUMP SHOP DWG.	FWS FFA	2/80		
Δ	REVISED PER PIPING SHOP DWG.	FWS FFA	2/80		
Δ	PRE-BID REVISIONS	FWS FFS	7/79		
NO.	DESCRIPTION	BY	FIRM	DATE	BY
	REVISIONS				
	SUBMITTAL				
	BUREAU OF WATER APPROVAL				

CONSULTING ENGINEERS	
SUBMITTED BY: <i>[Signature]</i>	
REG. ENGR. GA. NO. 10317	DATE 1-29-79
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.	

CITY OF ATLANTA	
BUREAU OF WATER	
T.E. STALLWORTH, JR., DIRECTOR	
APPROVED BY: <i>[Signature]</i>	
DATE: 3-15-79	



CITY OF ATLANTA, GEORGIA	
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER	
WATER IMPROVEMENT PROGRAM	
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT	
WATER STORAGE AND PUMPING STATION	

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.	
CONSULTING ENGINEERING	
Joint Venture	
ATLANTA, GEORGIA	
DESIGNED BY: C.V.	CHECKED BY: C.V.
DATE: AUG. 1979	
DRAWN BY: E.W.	SCALE: AS SHOWN

PUMPING STATION
FLOOR PLAN


PROJ. NO. 7733-1 SHEET NO. 11 OF 62

SHADED HOLES ARE
THD. HOLES IN VALVE BODY
(USE FOR SUPPORT) 3/6"

DETAIL

RESTRAINT RODS

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



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

EL. 308.00

2'-4"

7"

STOP 4" PIPE SLEEVES FLUSH WITH PUMP PIER WALL.

4" PIPE

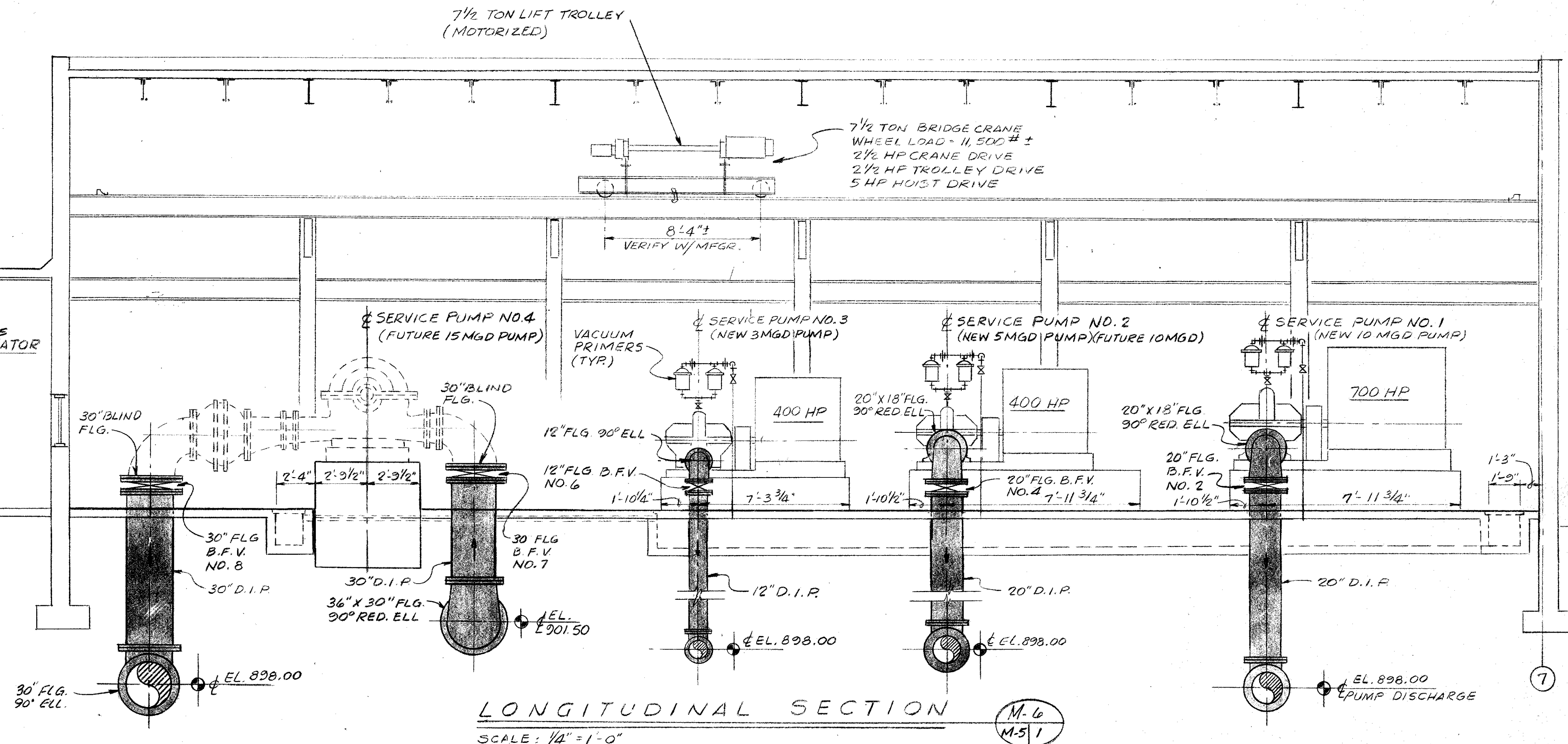
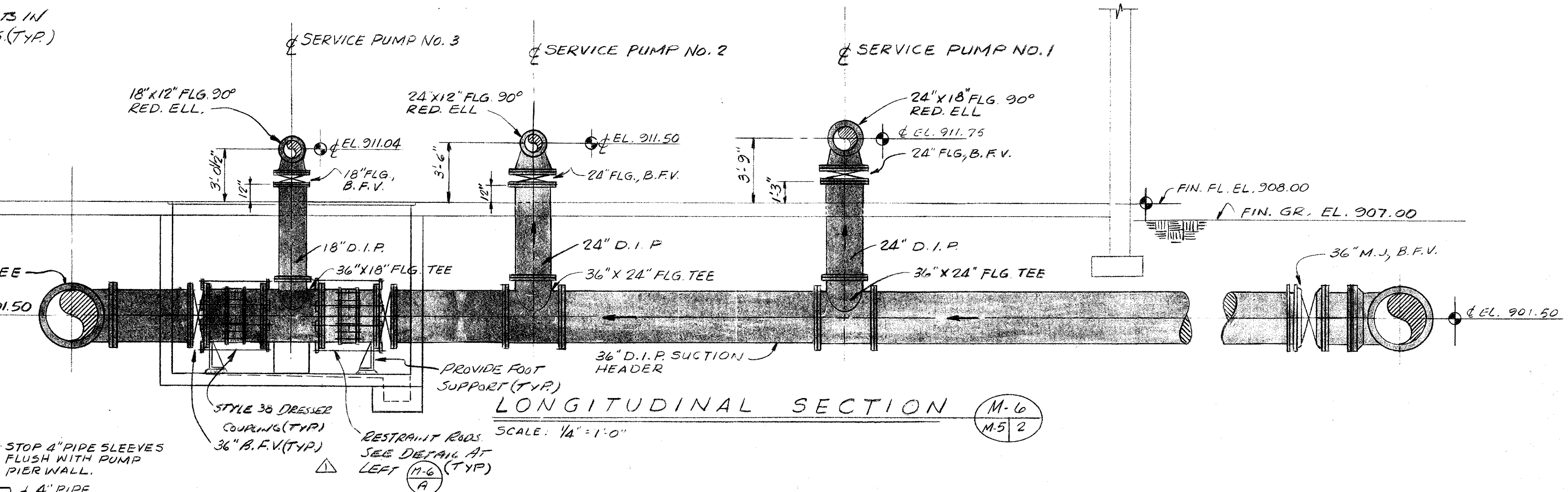
CURE OUT TWO (2) 5" SQUARE HOLES TO MATCH 4" PIPES IN PUMP PIER.

REMOVE EXP. JT. MAT'L. AT PIPES

SECTION M-6
SCALE: 3/4" = 1'-0" M-5 3


MONORAIL W/MOTORIZED
TROLLEY & HOIST
(3 TON CAPACITY)
(FUTURE)

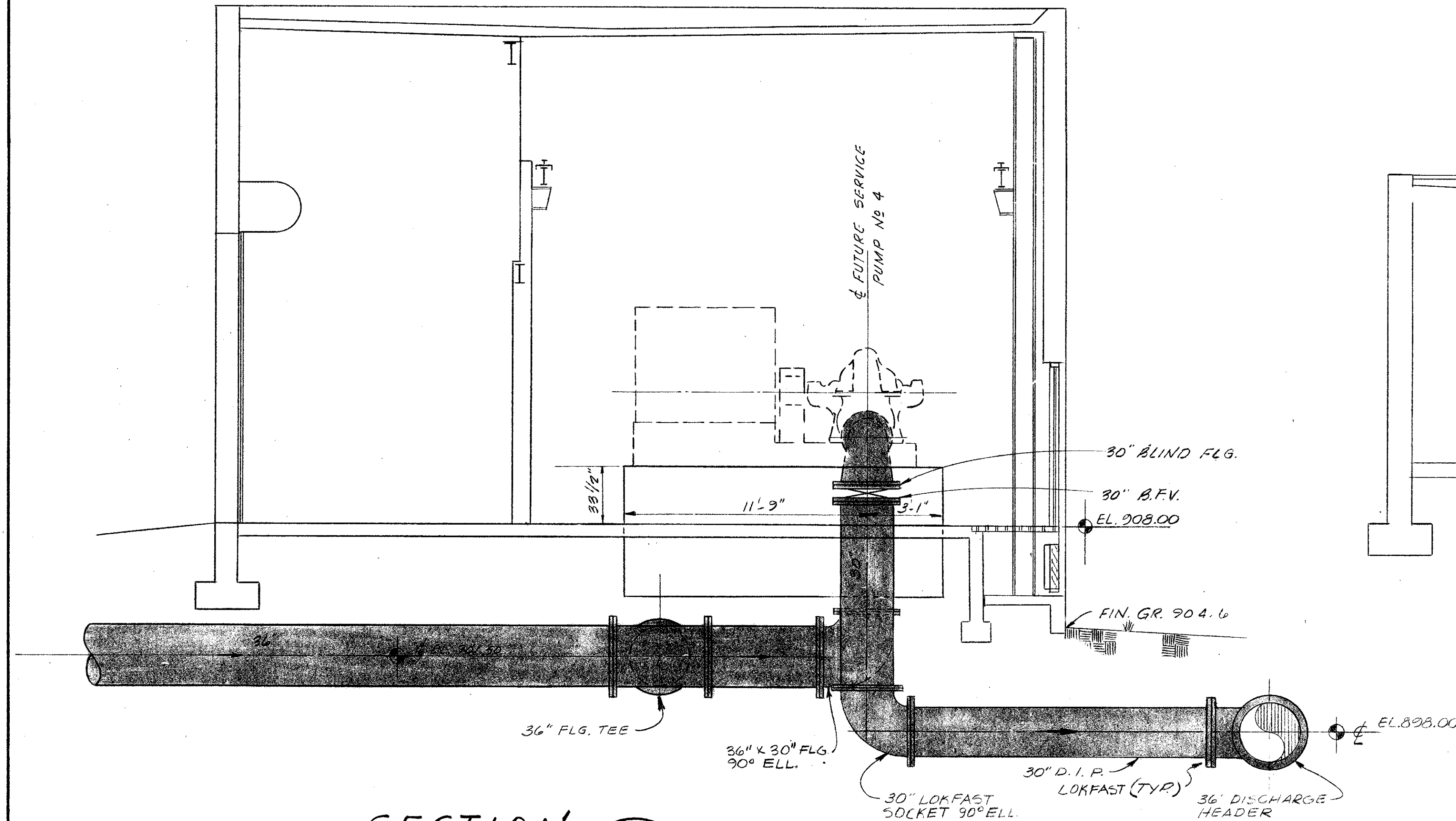
FUTURE
CHLORINATOR
RM.



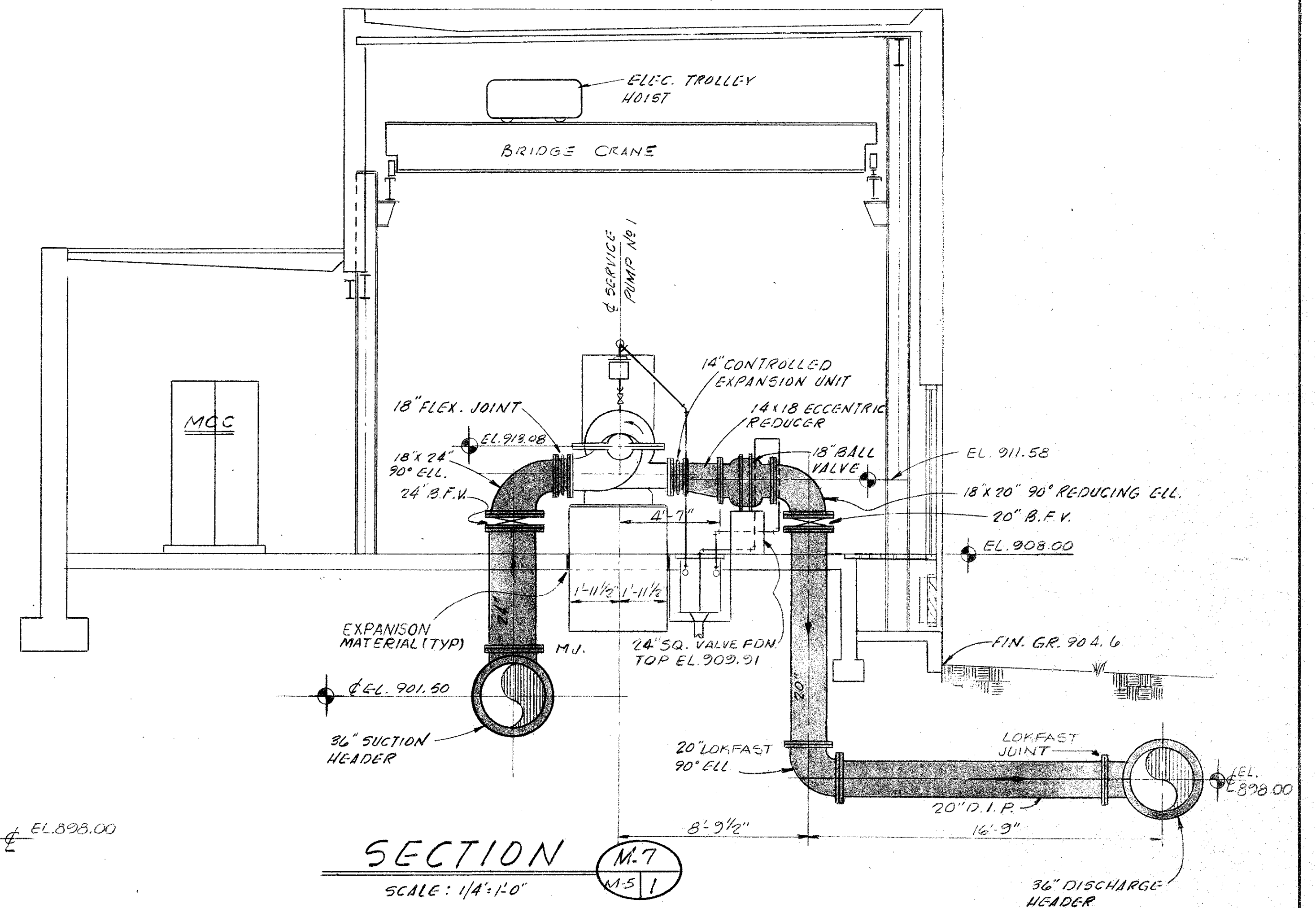
AS BUILT

8/16/82

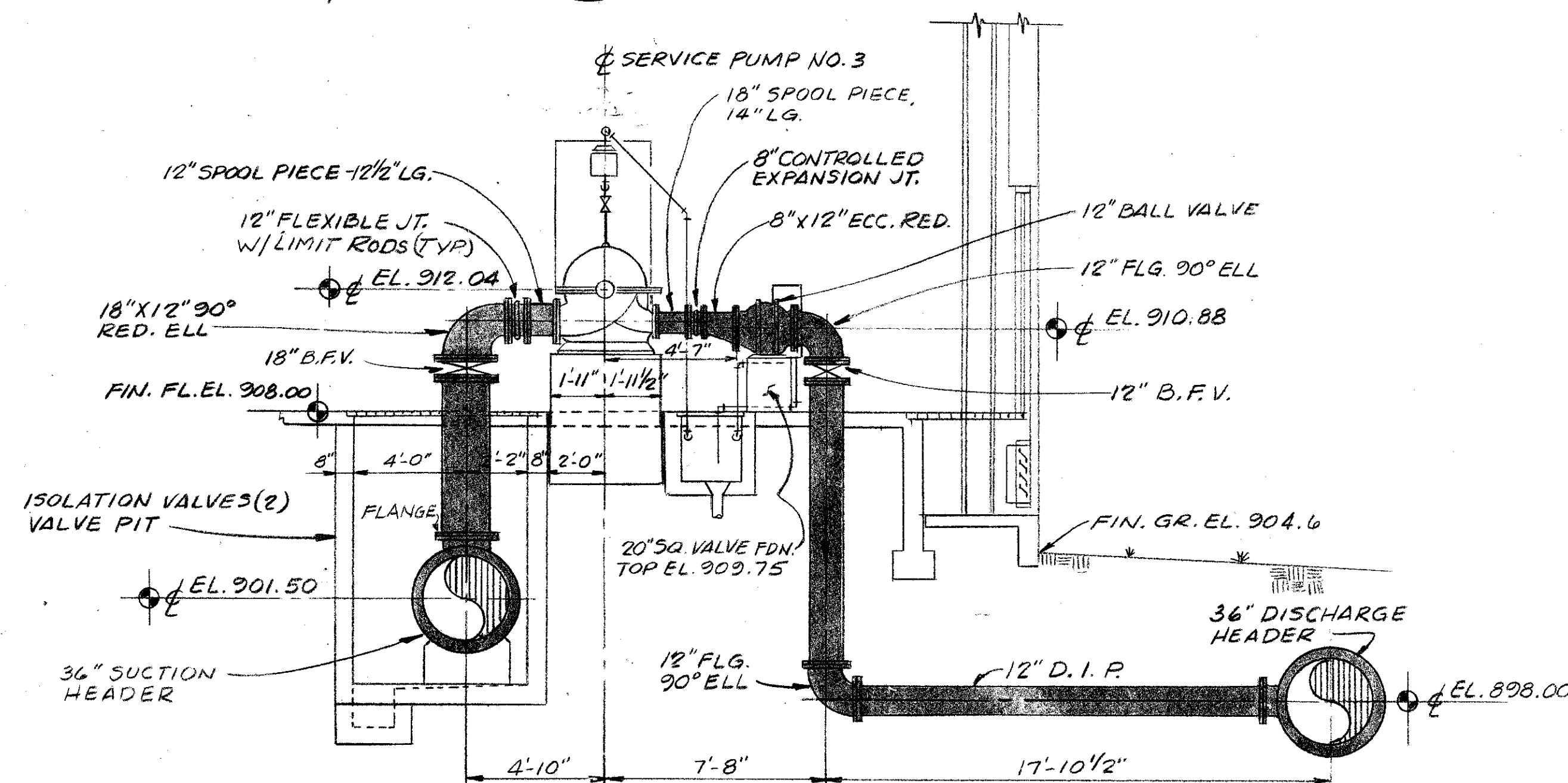
										CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i> REG. ENGR. GA. NO. 10317 DATE 1-29-79										CITY OF ATLANTA BUREAU OF WATER T. E. STALLWORTH, JR., DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: 3-17-79																				CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION										MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA										PUMPING STATION LONGITUDINAL SECTIONS																			
PRE-BID REVISIONS										FWS F&S 7/79																																																																					
NO. DESCRIPTION BY FIRM DATE BY DATE										SUBMITTAL BUREAU OF WATER APPROVAL																																																																					
REVISIONS																																																																															



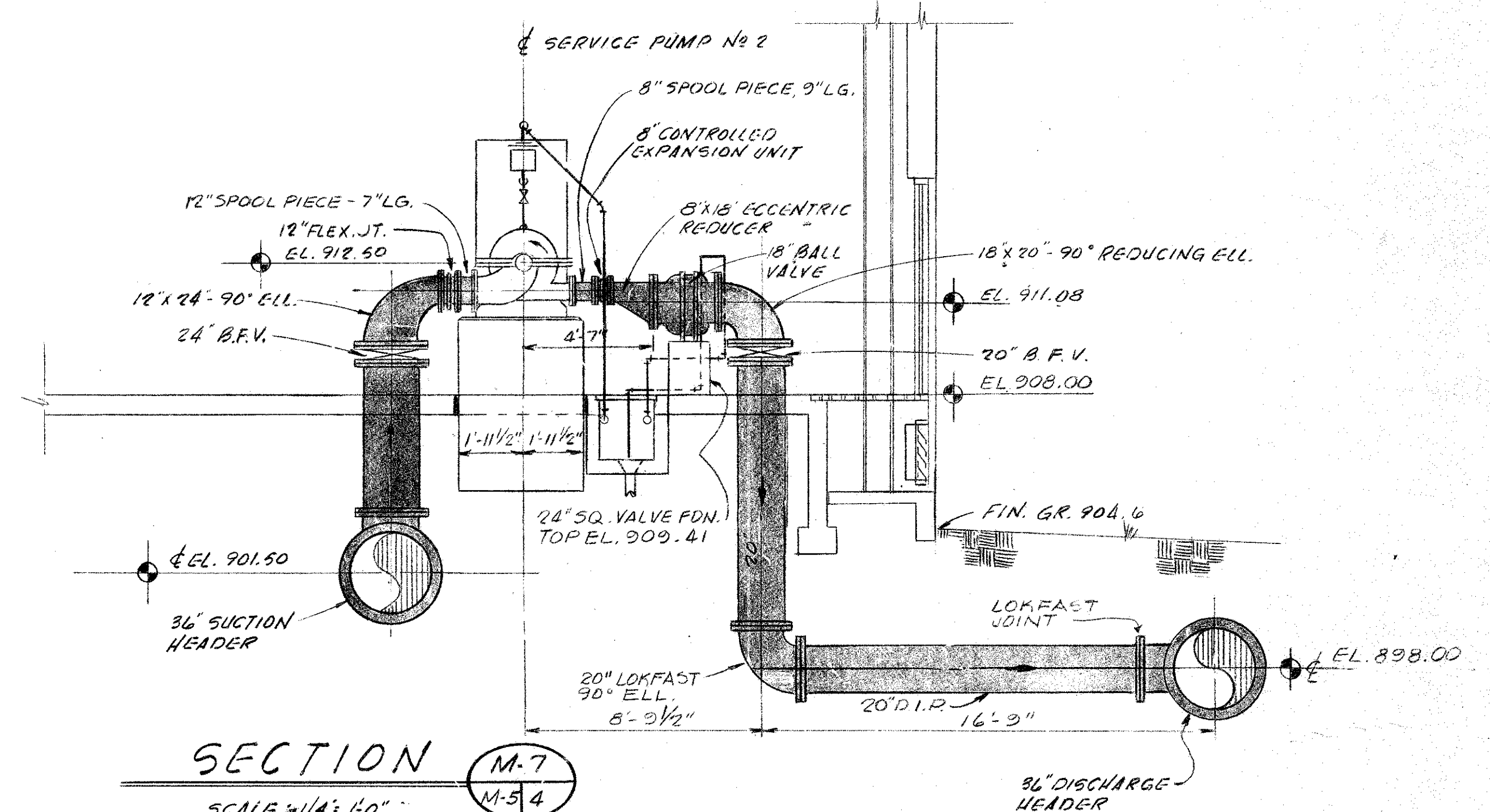
SECTION
SCALE: 1/4" = 1'-0"



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




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

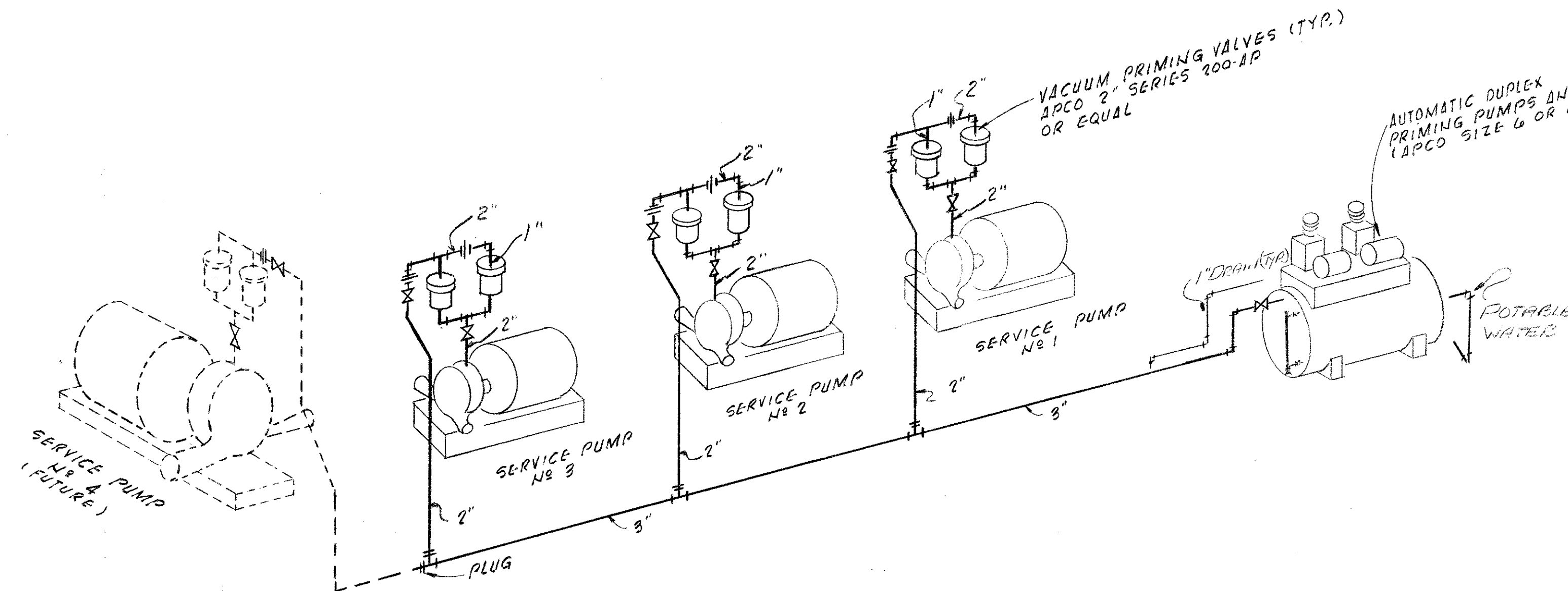


SECTION
SCALE 1/4" = 1'-0"

AS BUILT

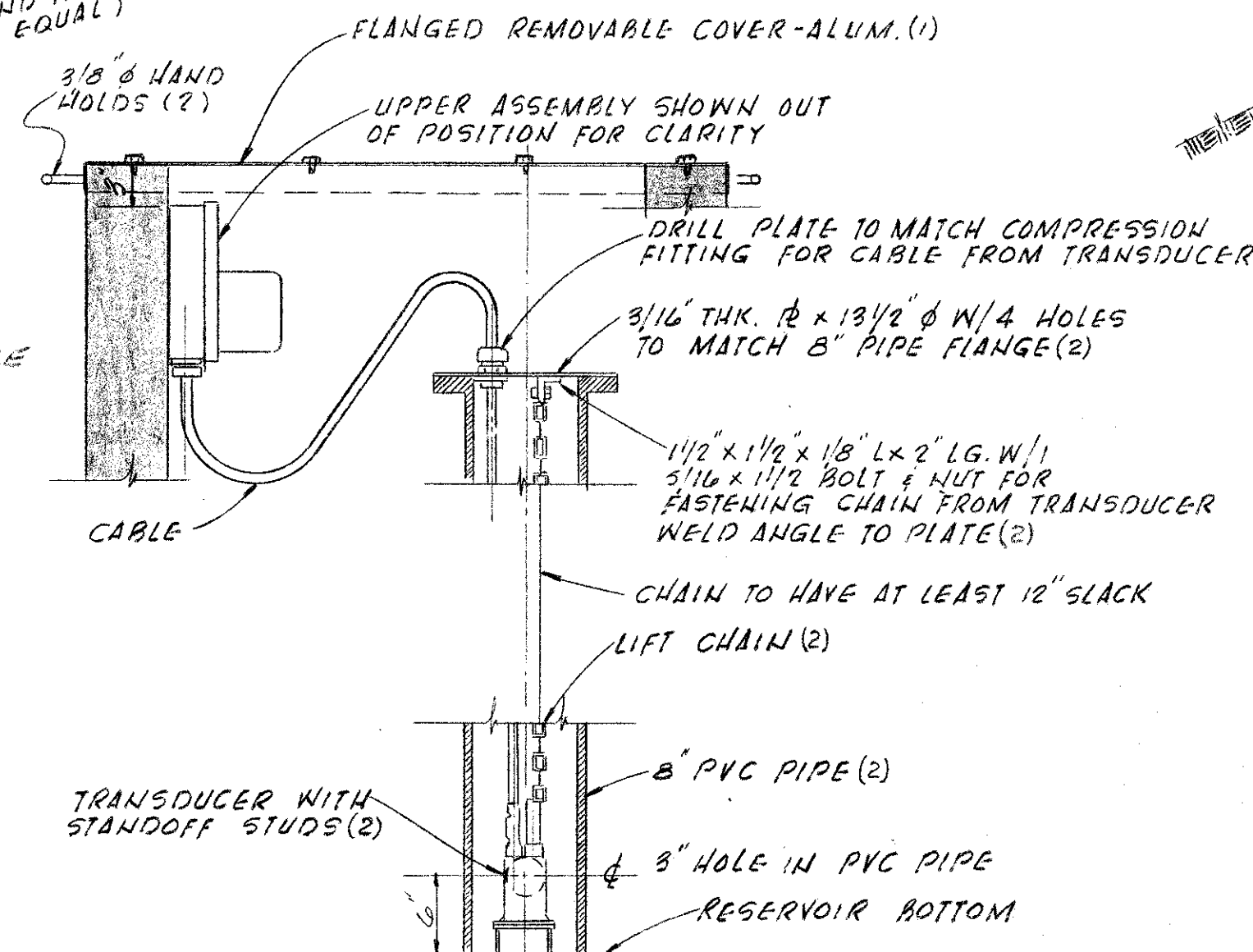
8 | 16 | 82

										CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i> CITY OF ATLANTA BUREAU OF WATER T. E. STALLWORTH, JR. DIRECTOR REG. ENGR. GA. NO. 10317 DATE 1-29-79										 CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION										MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA										PUMPING STATION TRANSVERSE SECTIONS									
NO. DESCRIPTION BY FIRM DATE BY DATE REVISIONS SUBMITTAL BUREAU OF WATER APPROVAL										MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. APPROVED BY: <i>[Signature]</i> DATE: 3-15-79										DESIGNED BY: C. V. CHECKED BY: C. V. DATE: AUG. 1979 DRAWN BY: A. J. S. SCALE: AS SHOWN PROJ. NO. 7733-1 SHEET NO. 13 OF 62																													



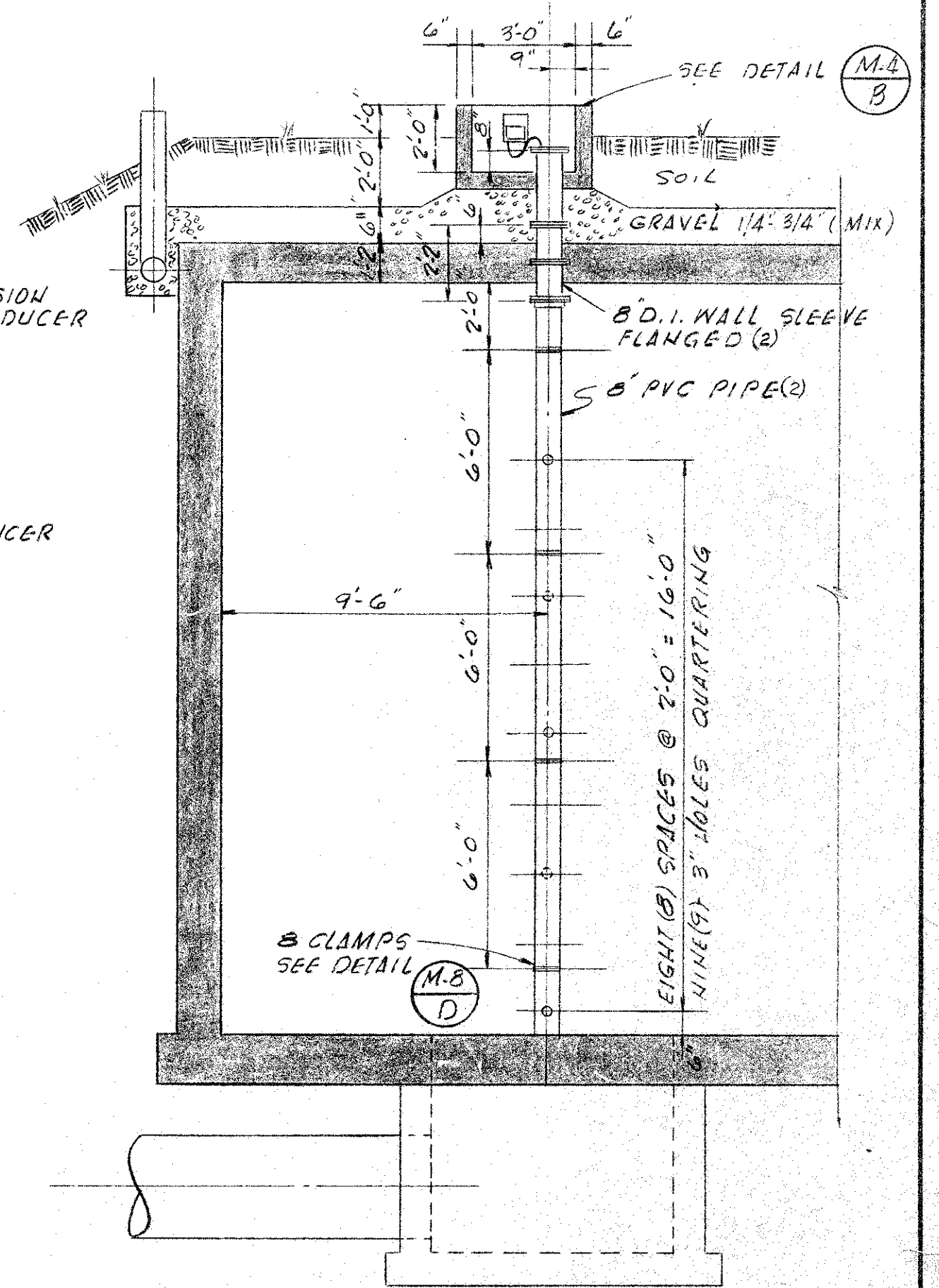
SCHEMATIC VACUUM PRIMER SYSTEM

M-8
-A



DETAIL

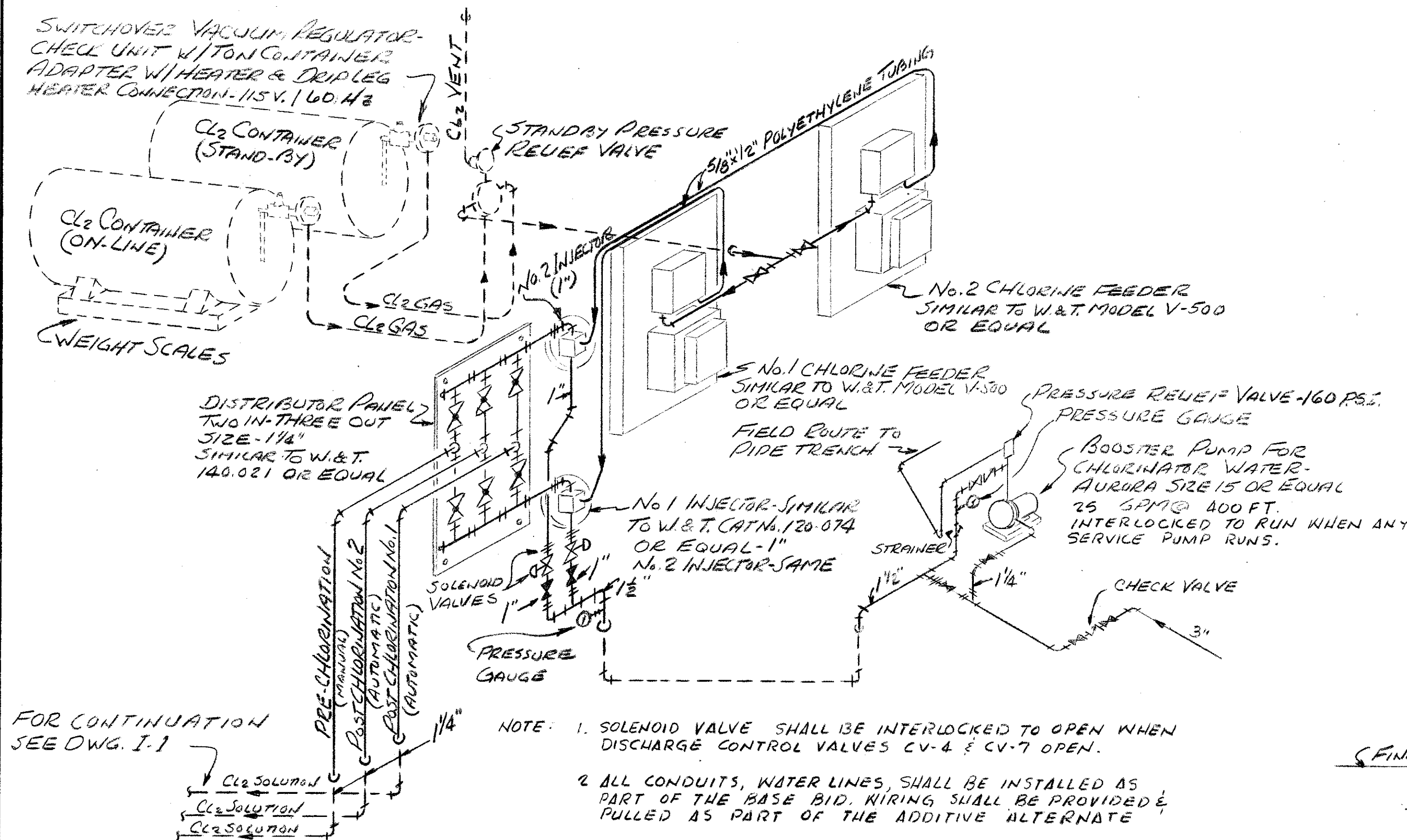
M-8
-B



SECTION & DETAIL
LEVEL CONTROL ARRGT.

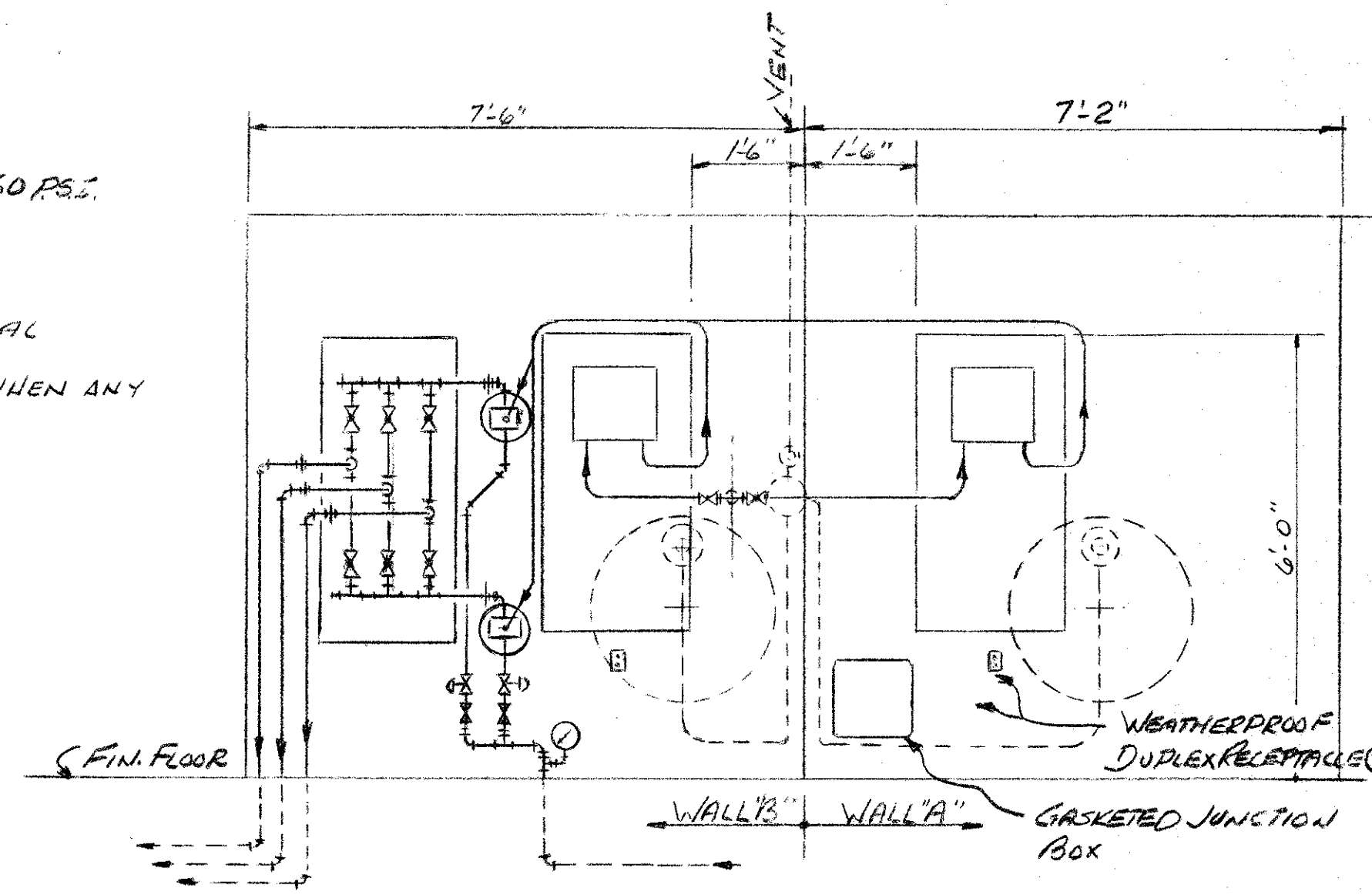
SCALE: 1/4" = 1'-0"

M-8
-C



SCHEMATIC CHLORINATION SYSTEM-FUTURE

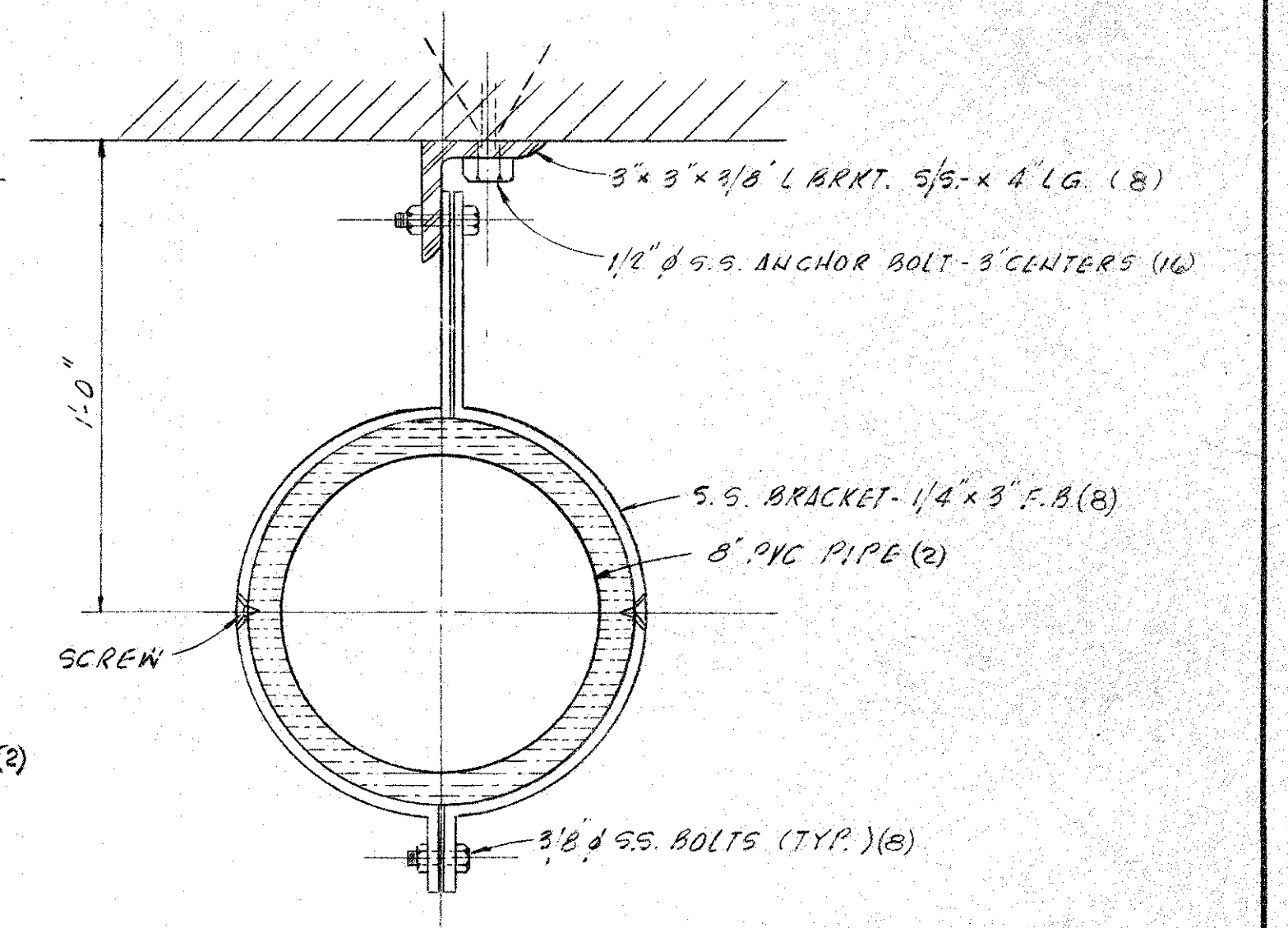
M-8
-C



FUTURE - CHLORINATION PIPING DETAIL

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

M-8
-E



DETAIL

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

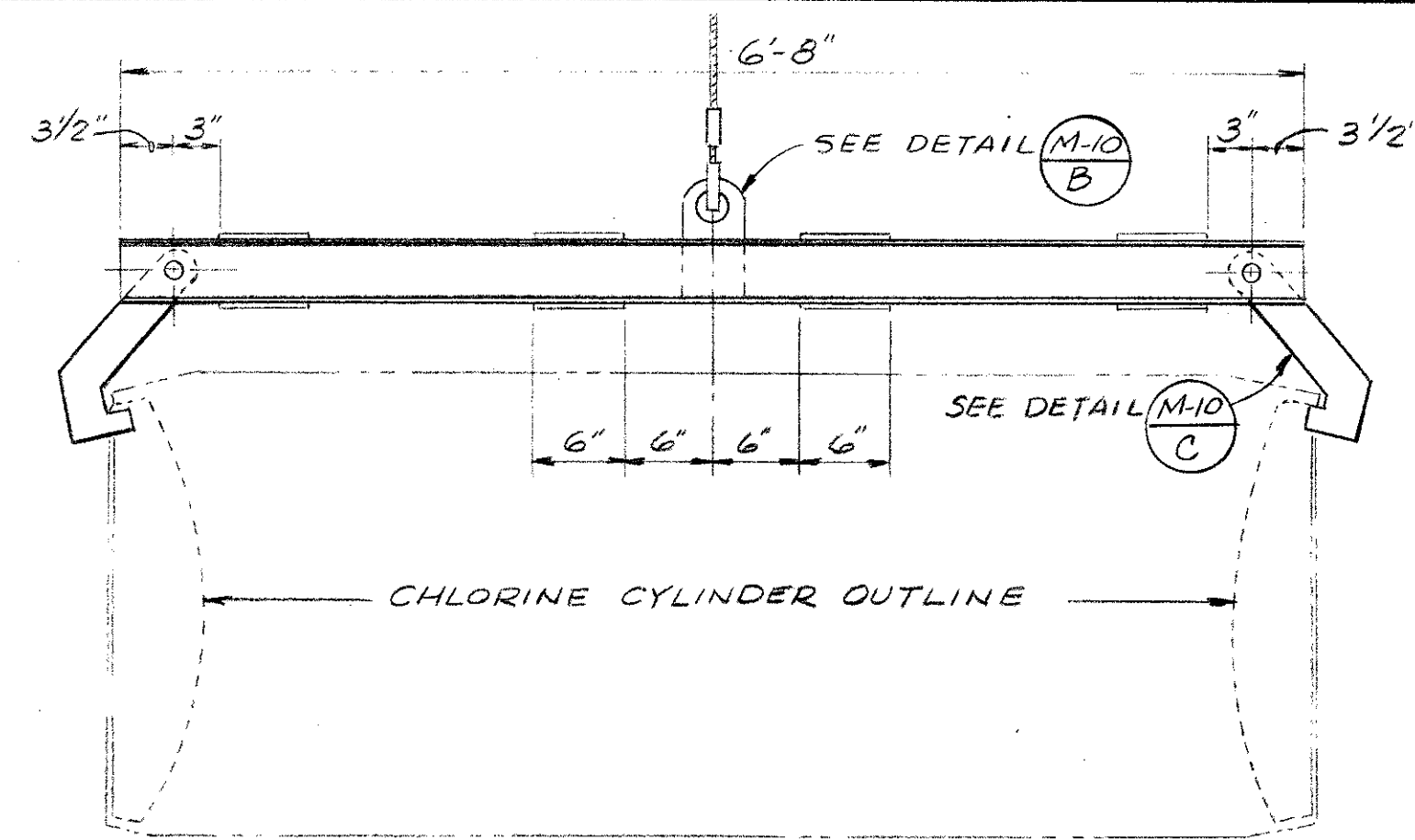
M-8
-D

M-8

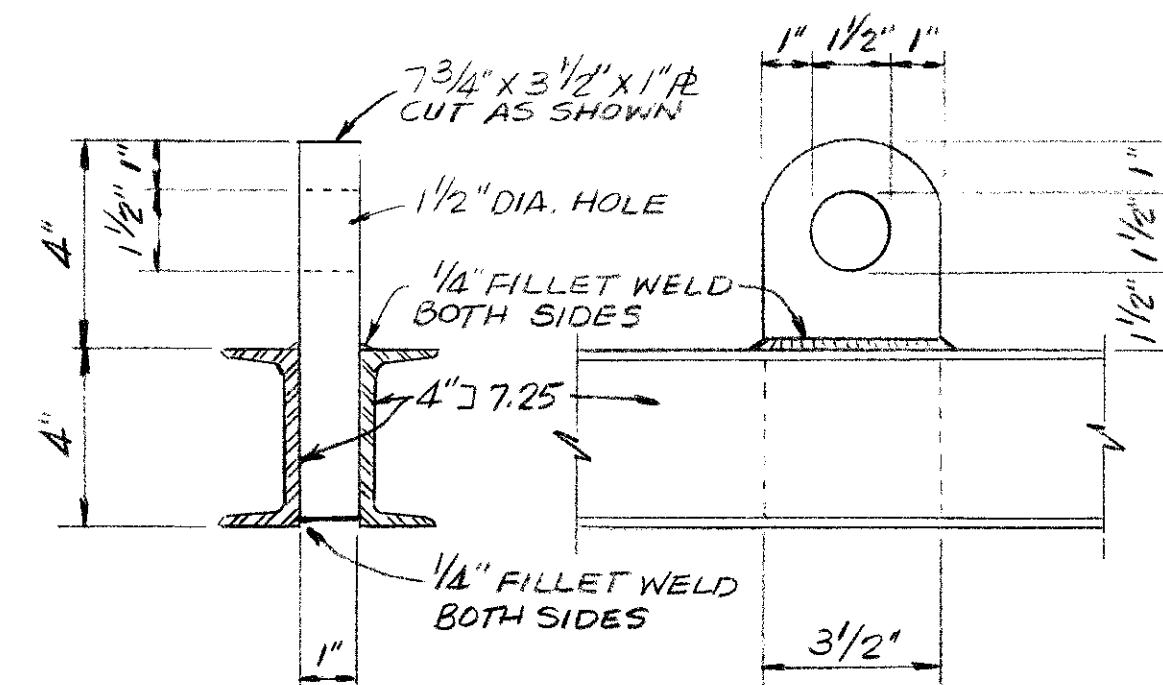
AS - BUILT

8/16/82

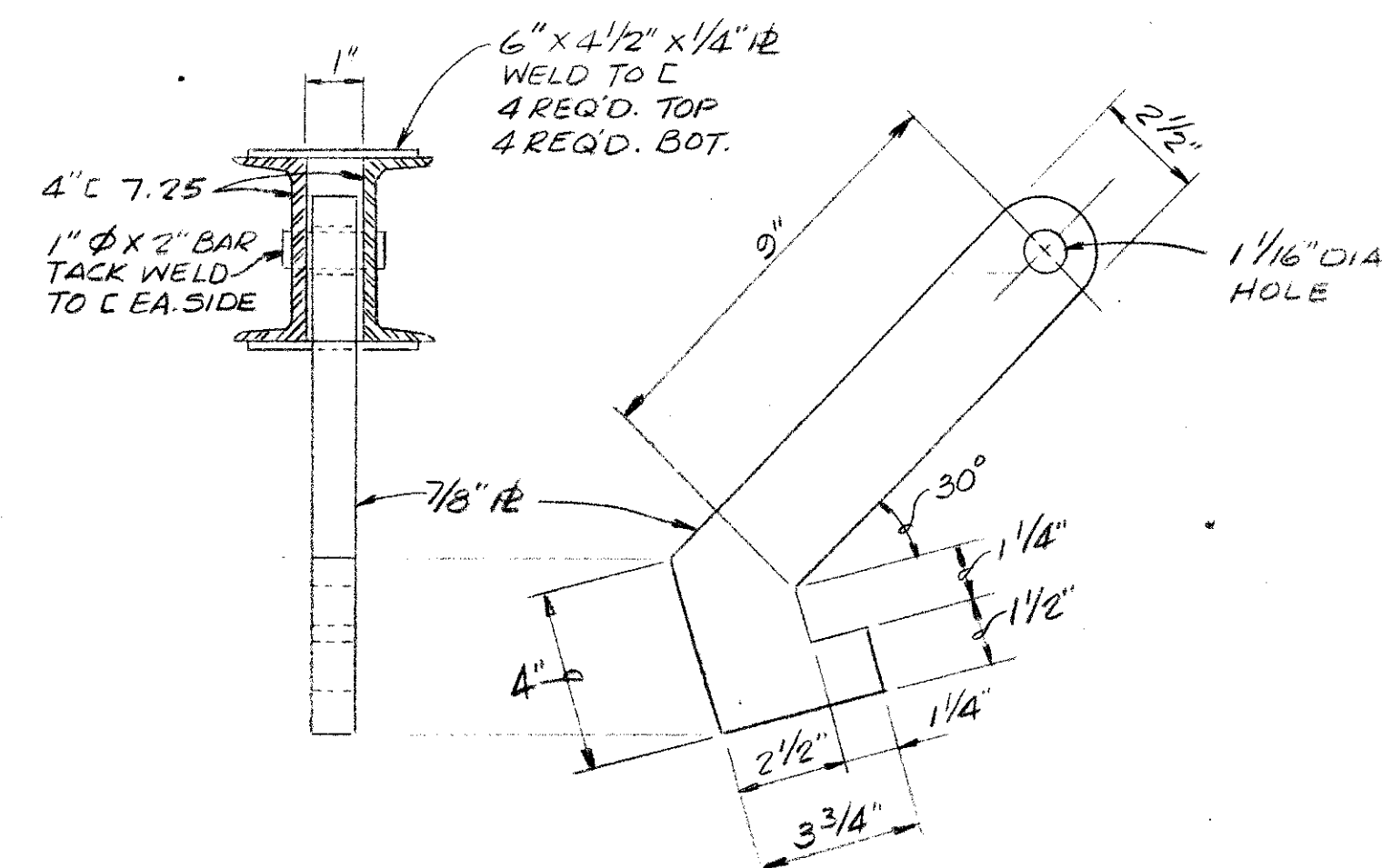
				CONSULTING ENGINEERS				CITY OF ATLANTA				CITY OF ATLANTA, GEORGIA				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.				VACUUM PRIMING AND			
				SUBMITTED BY: <i>[Signature]</i>				BUREAU OF WATER				DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER				CONSULTING ENGINEERING				Joint Venture			
				REG. ENGR. GA. NO. 10317 DATE 1-29-79				T. E. STALLWORTH, JR., DIRECTOR				WATER IMPROVEMENT PROGRAM				ATLANTA, GEORGIA				Atlanta, Georgia			
				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.				APPROVED BY: <i>[Signature]</i>				EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT				DESIGNED BY: C.V.				CHECKED BY: C.V.			
				DATE: 3-15-79								WATER STORAGE AND PUMPING STATION				DATE: AUG. 1979				SCALE: AS SHOWN			
																DRAWN BY: A.J.S.				PROJ. NO. 7733-1			
																				SHEET NO. 14 OF 62			



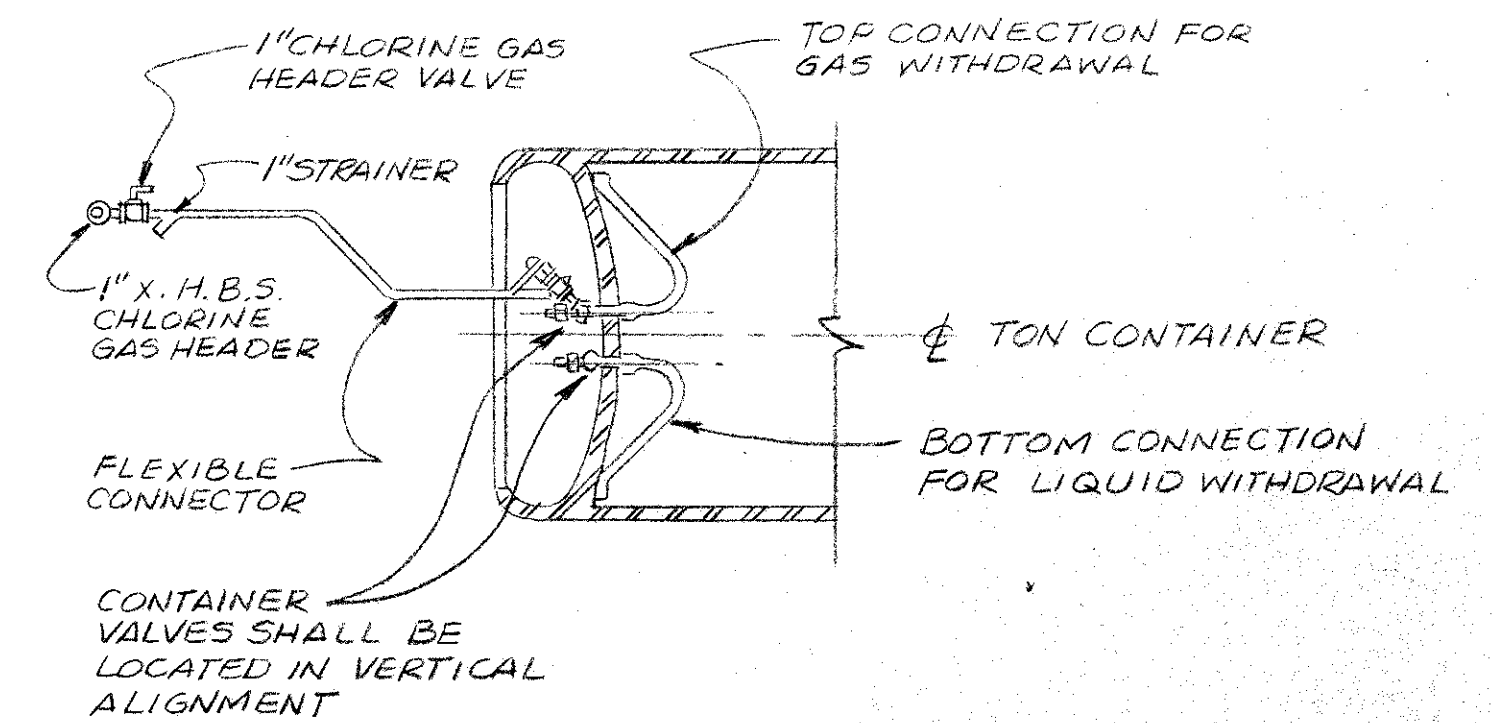
FUTURE-LIFTING YOKE - DETAIL M-10 A
SCALE: 1"=1'-0"



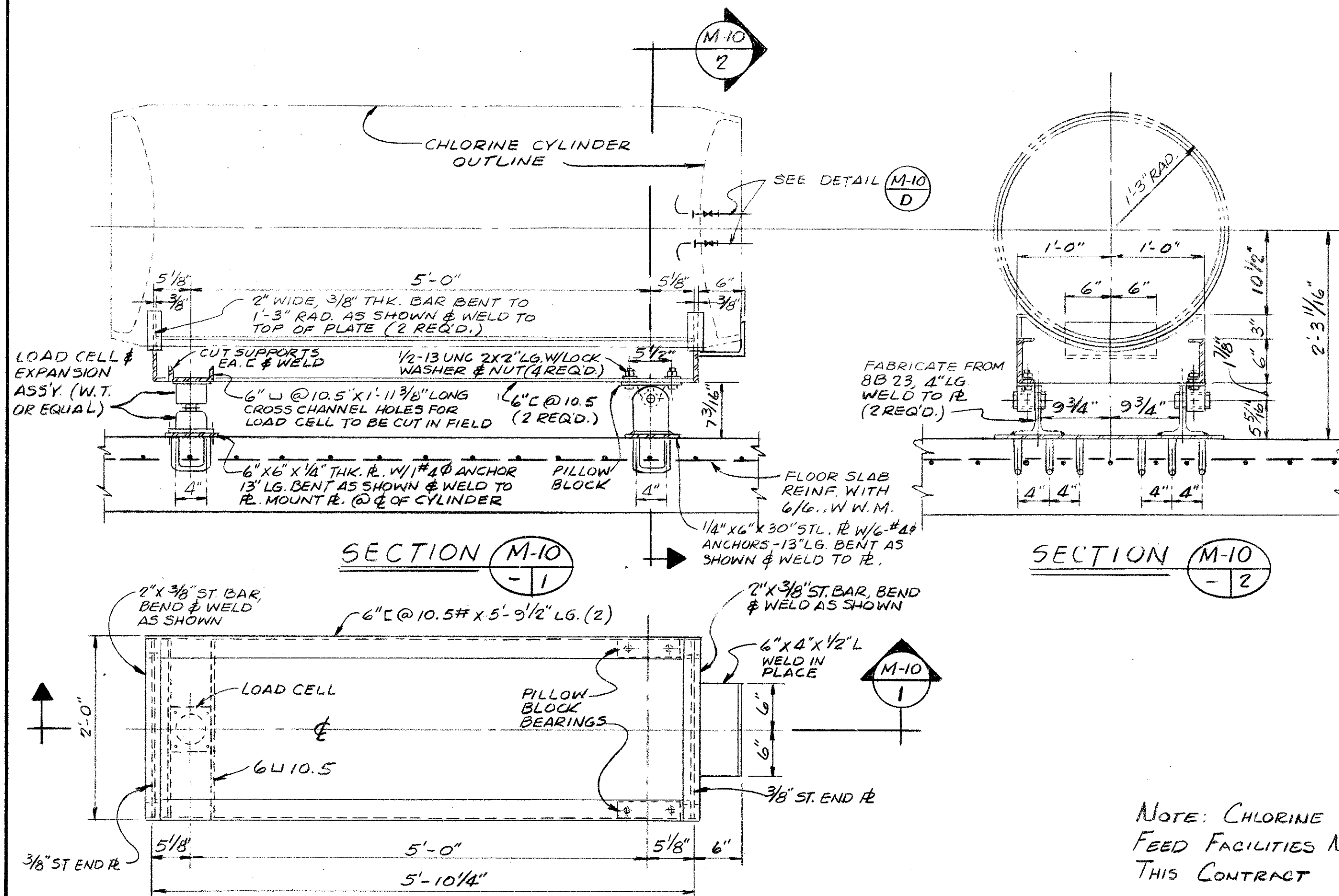
LIFTING EYE - DETAIL M-10 B
N.T.S.



HOOK DETAIL M-10 C
N.T.S.

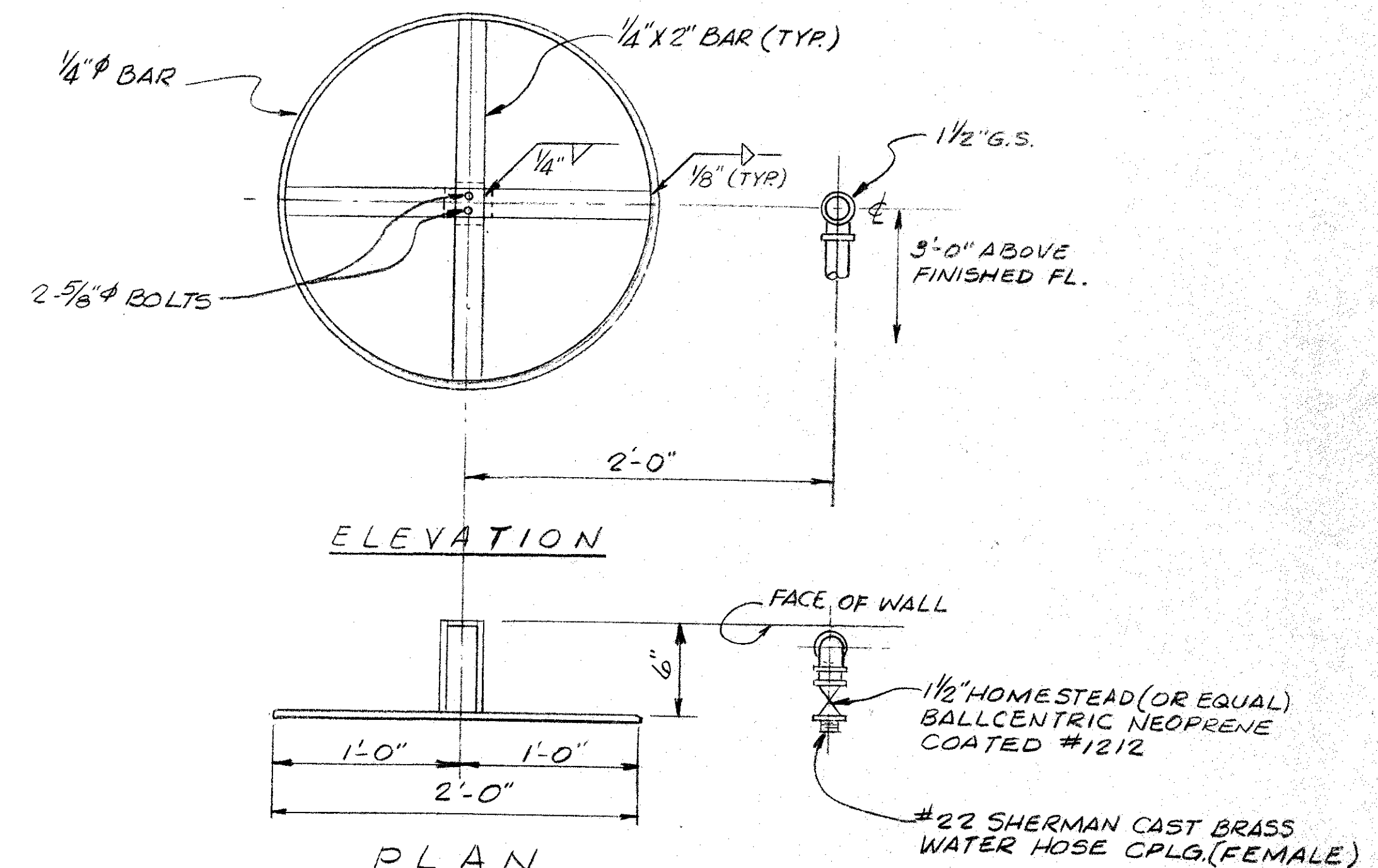


FUTURE-PIPING CONNECTION DETAIL M-10 D
N.T.S.



PLAN - CHLORINE CYLINDER SCALE - FUTURE

DETAIL M-10 E
SCALE: 1"=1'-0"



NOTE: ONE REEL PER HOSE STATION REQUIRED.

HOSE STATION & REEL DETAIL M-10 F
SCALE: 1/2"=1'-0"

NOTE: CHLORINE HANDLING AND
FEED FACILITIES NOT INCLUDED IN
THIS CONTRACT

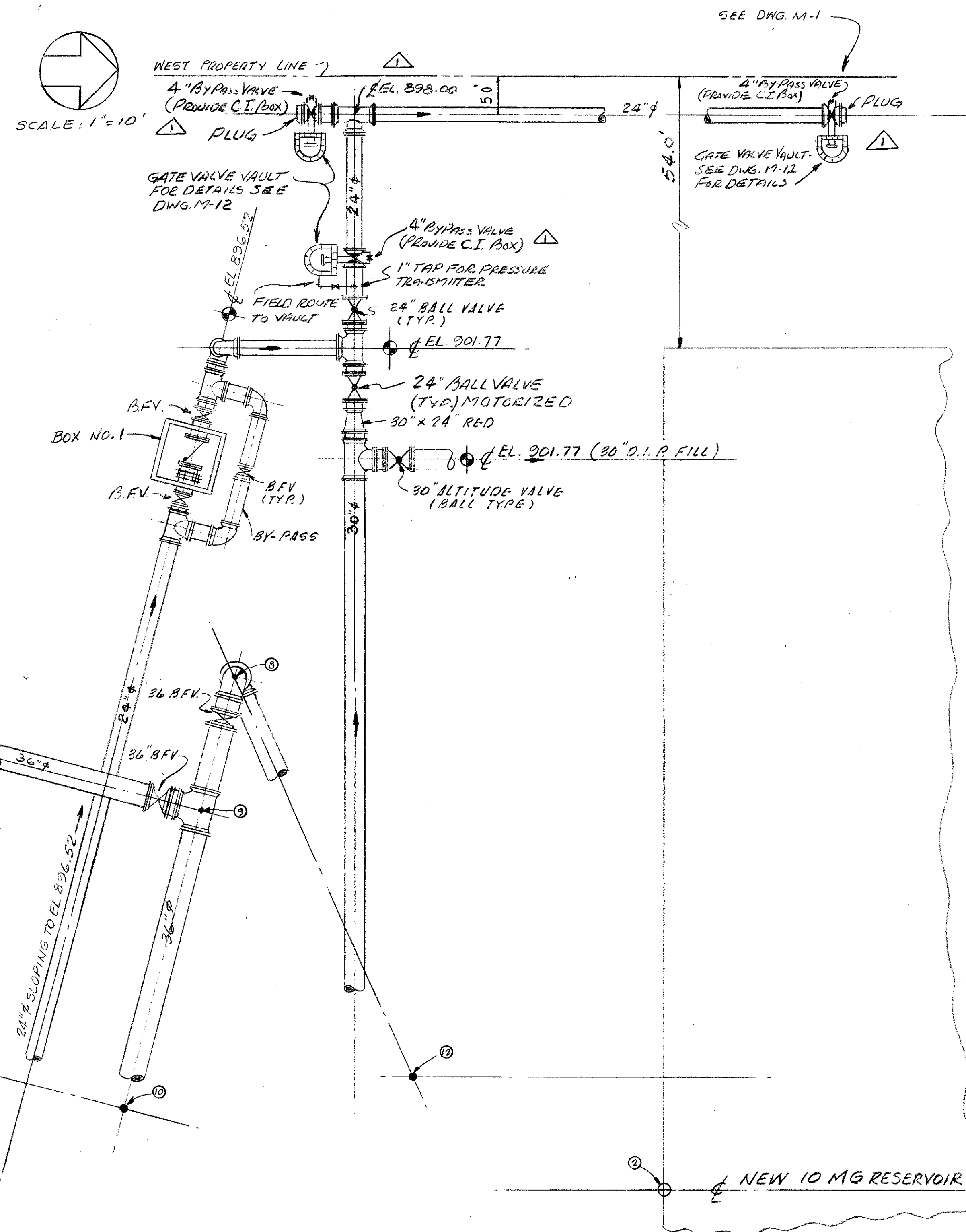
AS BUILT

8/16/82

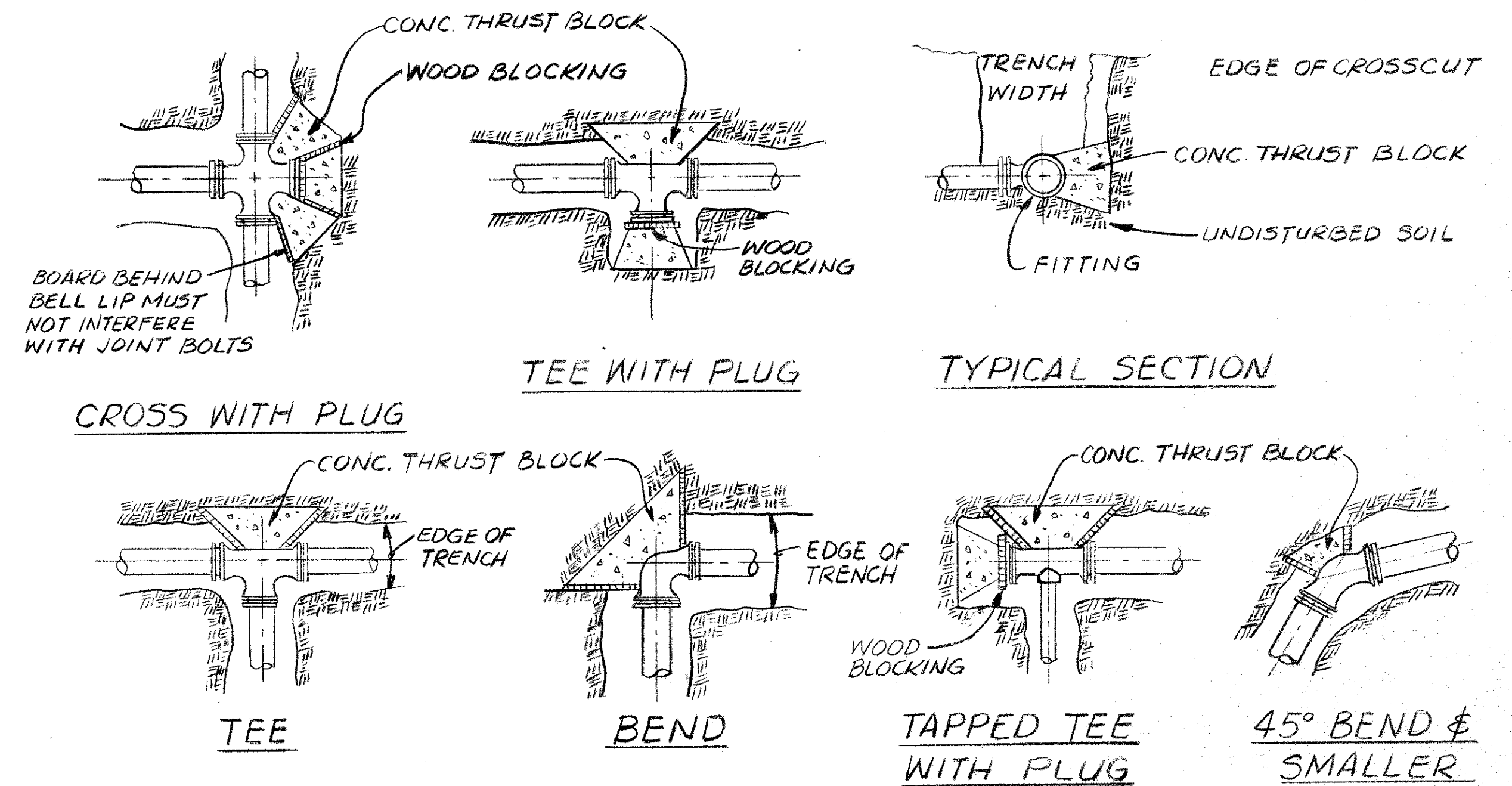
				CONSULTING ENGINEERS				CITY OF ATLANTA				CITY OF ATLANTA, GEORGIA				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.			
				SUBMITTED BY: <i>[Signature]</i>				BUREAU OF WATER				DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER				CONSULTING ENGINEERING			
				REG. ENGR. GA. NO. 10317 DATE 1-29-79				T.E. STALLWORTH, JR., DIRECTOR				WATER IMPROVEMENT PROGRAM				Joint Venture			
				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.				APPROVED BY: <i>[Signature]</i>				EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT				ATLANTA, GEORGIA			
								DATE: 3-15-79								DESIGNED BY: C.V.			
																CHECKED BY: C.V.			
																DATE: AUG. 1979			
																SCALE: AS SHOWN			
																PROJ. NO. 7733-1			
																SHEET NO. 16 OF 62			

M-10

FUTURE
CHLORINATION EQUIPMENT AND
MISCELLANEOUS DETAILS



ADDITIONAL PIPING - DETAIL

M-11
A

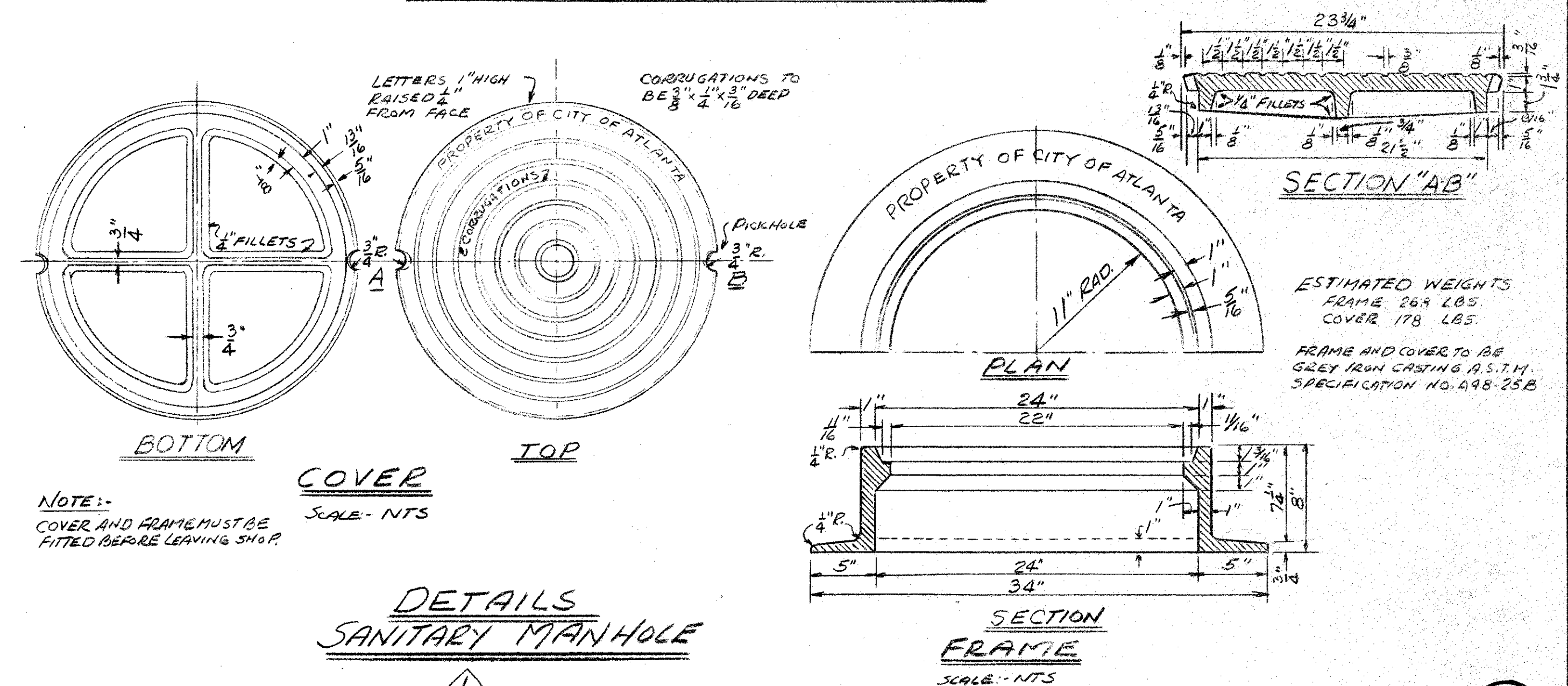
NOTE:

1. THRUST BLOCKS SHALL BE REQUIRED AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE ALL LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
2. EXTEND THRUST BLOCK FULL LENGTH ON TEES AND BENDS. PUT BOARD IN FRONT OF PLUG BEFORE POURING CONCRETE THRUST BLOCK.
3. BACKFILL SHALL CONSIST ENTIRELY OF CLEAN SAND AND ROCK FRAGMENTS. ANY MUCK ENCOUNTERED SHALL BE REPLACED WITH ACCEPTABLE BACKFILL.
4. ALL WOOD BLOCKING SHALL BE PRESSURE TREATED.
5. CONCRETE FOR THRUST BLOCKING TO BE CLASS "C".
6. THRUST BLOCK END AREA IN SQ. FT. SHALL BE DETERMINED BY THE FOLLOWING FORMULA:

$$A = \frac{0.785 \times D^2 \times P}{2500}$$

A = END AREA REQD. IN SQ. FT.; D = PIPE DIA. IN INCHES
P = LINE PRESSURE IN PSI; 0.785 = CONSTANT; 2500 = SOIL BEARING VALUE

THRUST BLOCK DETAILS

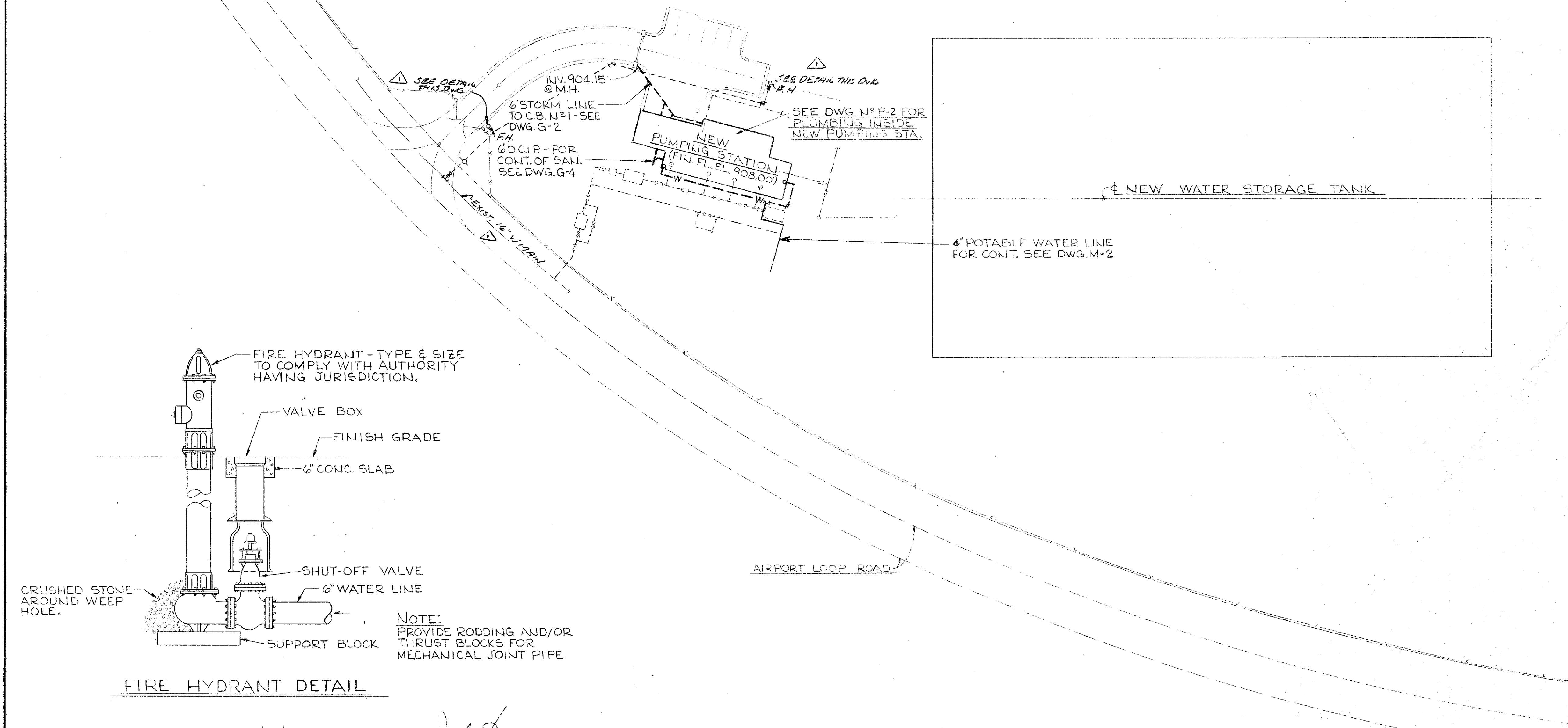
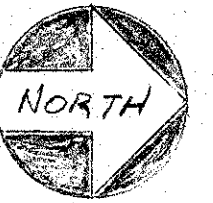
DETAILS
SANITARY MANHOLE

A

AS BUILT

8/16/82

CONSULTING ENGINEERS				CITY OF ATLANTA				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.				PUMPING STATION	
SUBMITTED BY: <i>[Signature]</i>				BUREAU OF WATER				CONSULTING ENGINEERING				PIPING DETAILS	
REG. ENGR. GA. NO. 10317 DATE 1-29-79				T.E. STALLWORTH, JR. DIRECTOR				Joint Venture					
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.				APPROVED BY: <i>[Signature]</i>				ATLANTA, GEORGIA					
DATE: 3-15-79				DESIGNED BY: D.R.				CHECKED BY: C.V.				DATE: AUG. 1979	
REVISIONS				DRAWN BY: E.B.W.				SCALE: AS SHOWN				PROJ. NO. 7733-1	
SUBMITTAL				BUREAU OF WATER APPROVAL				SHEET NO. 17 OF 62					



FIRE HYDRANT DETAIL

AS BUILT

8/16/82

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN G. MADISON

REG. ENGR. GA. NO. 16012 DATE FEB 1979

MADISON · MADISON · INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA
BUREAU OF WATER
T. E. STALLWORTH, JR., DIRECTOR

APPROVED BY: *[Signature]*
DATE: 3-15-79



CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

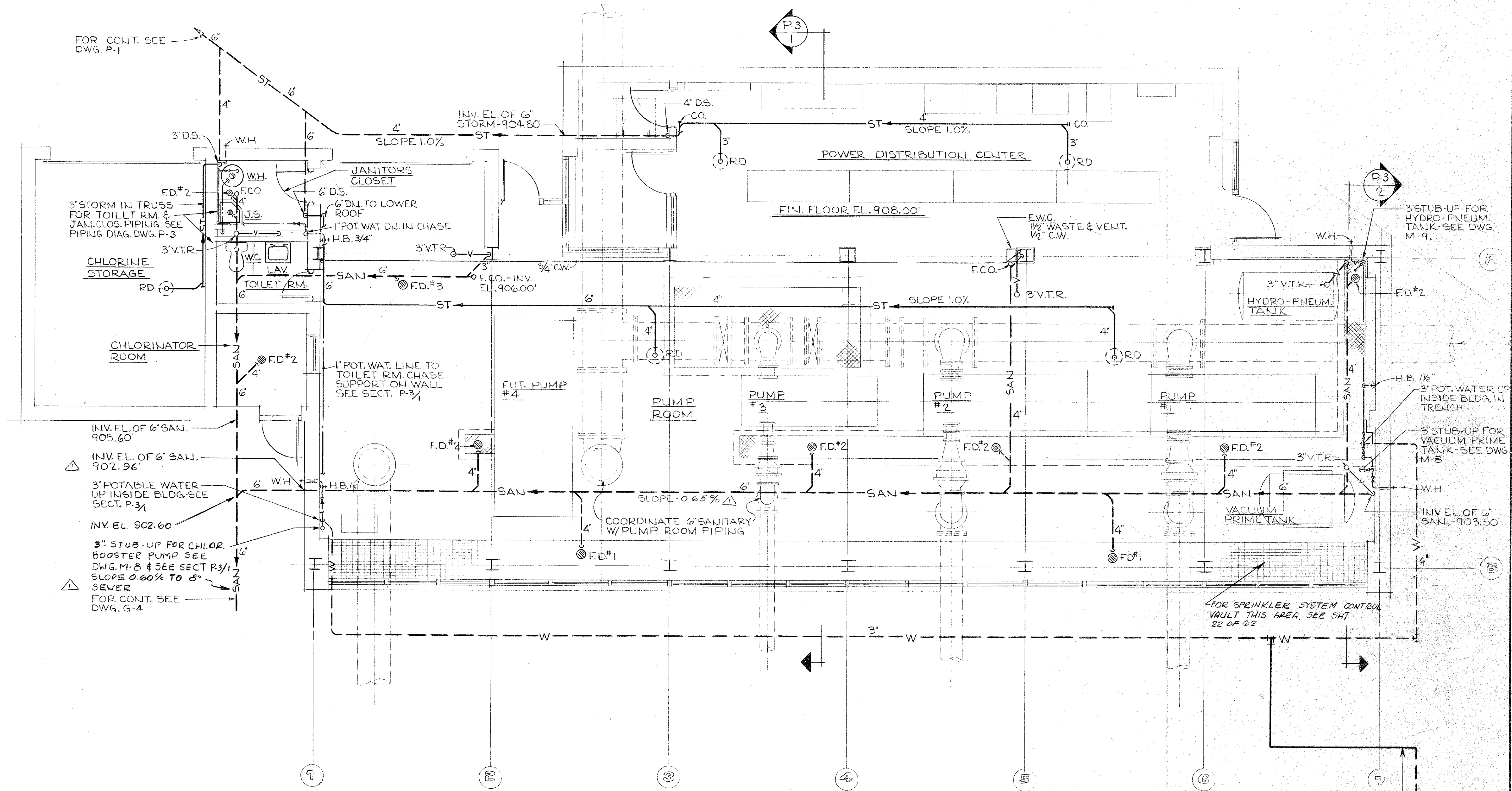
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
Joint Venture
ATLANTA, GEORGIA

DESIGNED BY: F.A.E. CHECKED BY: W.T. DATE: AUG. 1979
DRAWN BY: F.A.E. SCALE: 1" = 40'

SITE PLUMBING PLAN

PROJ. NO. 7749-02 SHEET NO. 19 OF 62

P-1



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

AS BUILT		8/16/82		<i>John Moore</i>	
<div>CONSULTING ENGINEERS SUBMITTED BY: JULIAN G. MADISON REG. ENGR. GA. NO. 10072 DATE FEB 1979</div>				<div>CITY OF ATLANTA BUREAU OF WATER T. E. STALLWORTH, JR., DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: 3-15-79</div>	
<div>MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.</div>				<div>CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION</div>	
<div>MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA</div>				<div>PLUMBING FLOOR PLAN</div>	
DESIGNED BY: F.A.E.		CHECKED BY: W.T.		DATE: AUG 1979	
DRAWN BY: F.A.E.		SCALE: 1/4" = 1'-0"		PROJ. NO. 7749-02 SHEET NO. 20 OF 62	

[illegible]

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN C. MADISON
REG. ENGR. GA. NO. 10076 DATE FEB 1979
MADISON • MADISON • INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA

BUREAU OF WATER

T. E. STALLWORTH, JR., DIRECTOR

APPROVED BY: *[Signature]*

DATE: 3-15-79

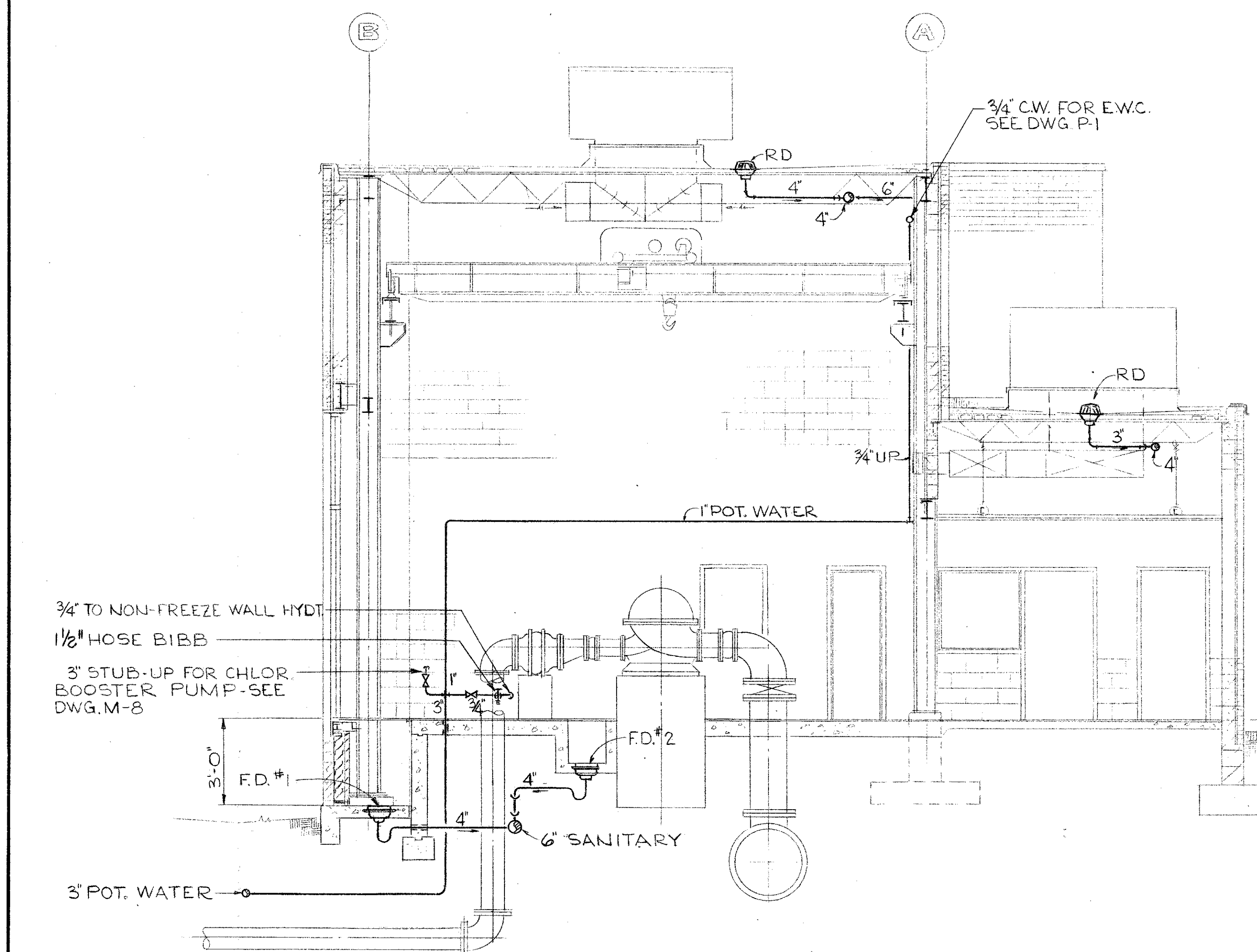


CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA		
DESIGNED BY: F. A. E.	CHECKED BY: W. T.	DATE: AUG. 1979
DRAWN BY: F. A. E.	SCALE: 1/4" = 1'-0"	

PLUMBING CROSS SECTIONS

PROJ. NO. 7749-02 SHEET NO. 21 OF 62

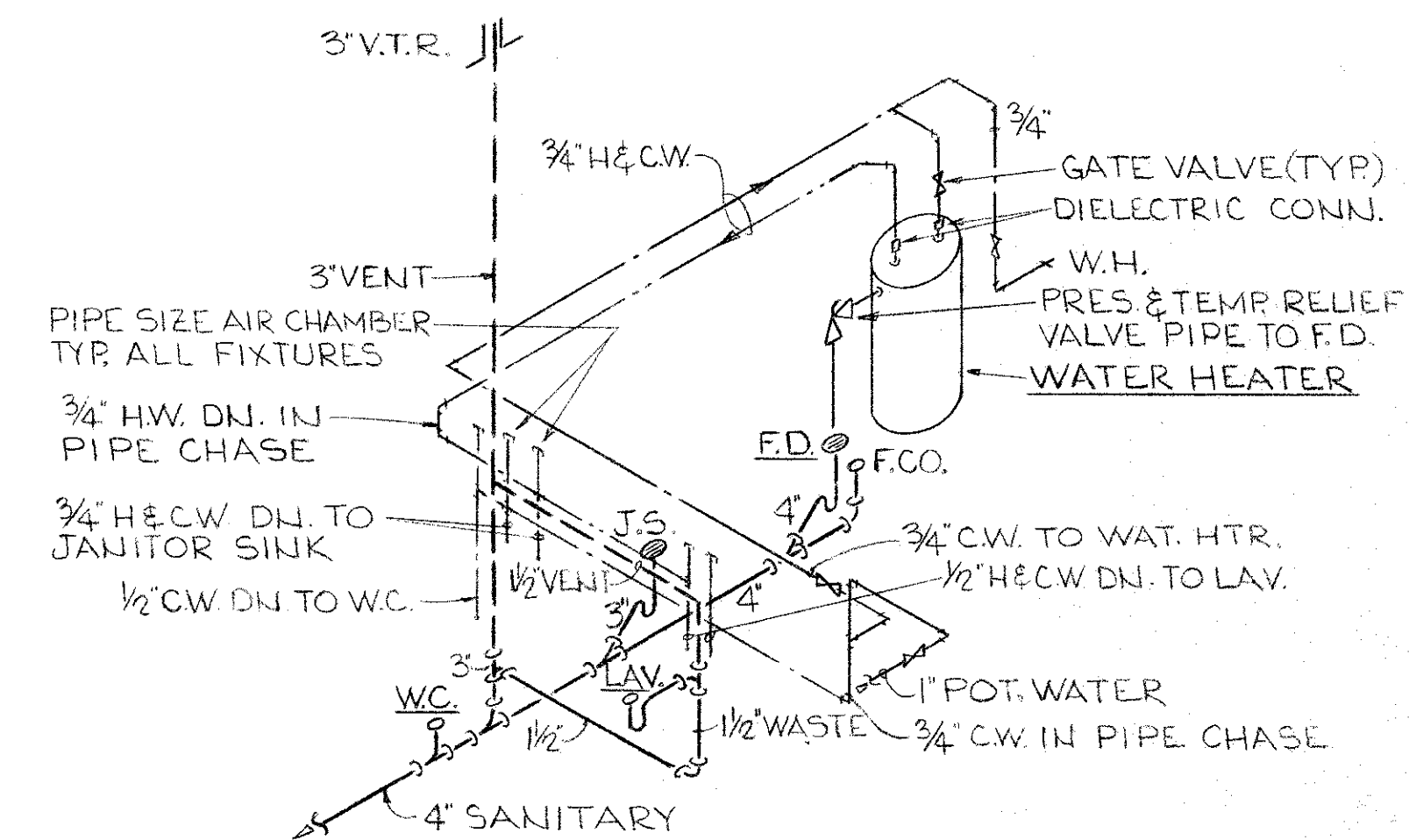


SECTION

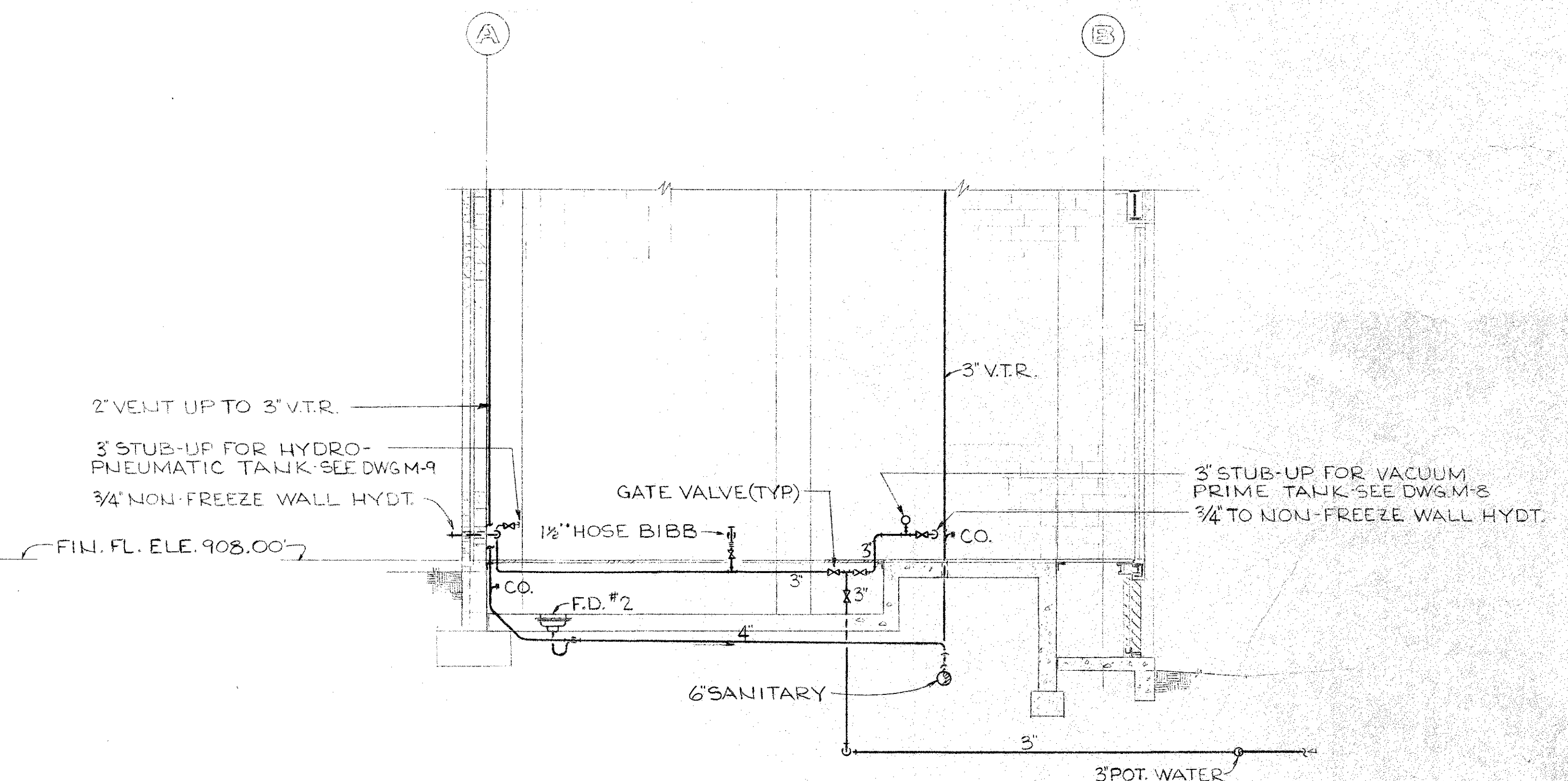
SCALE: $\frac{1}{4}" = 1'-0"$

P-3

P-2 |



PIPING DIAGRAM
(TOILET RM. & JANITOR CLOSET)



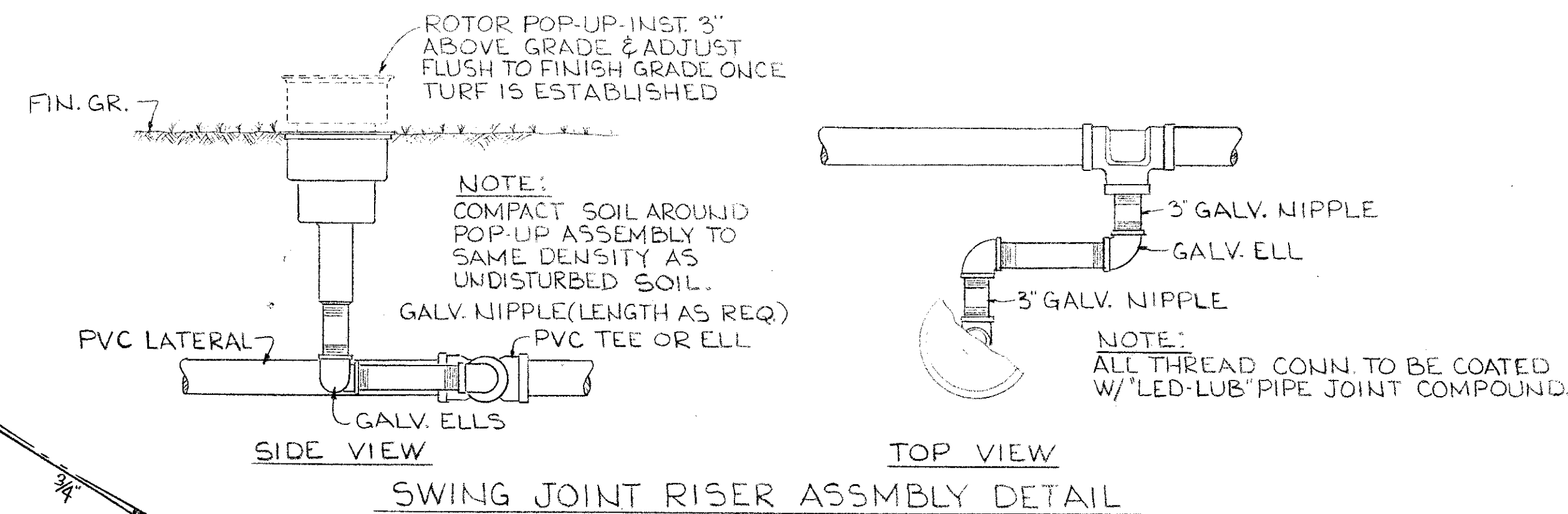
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SCALE: $\frac{1}{4}" = 1'-0"$

P-3

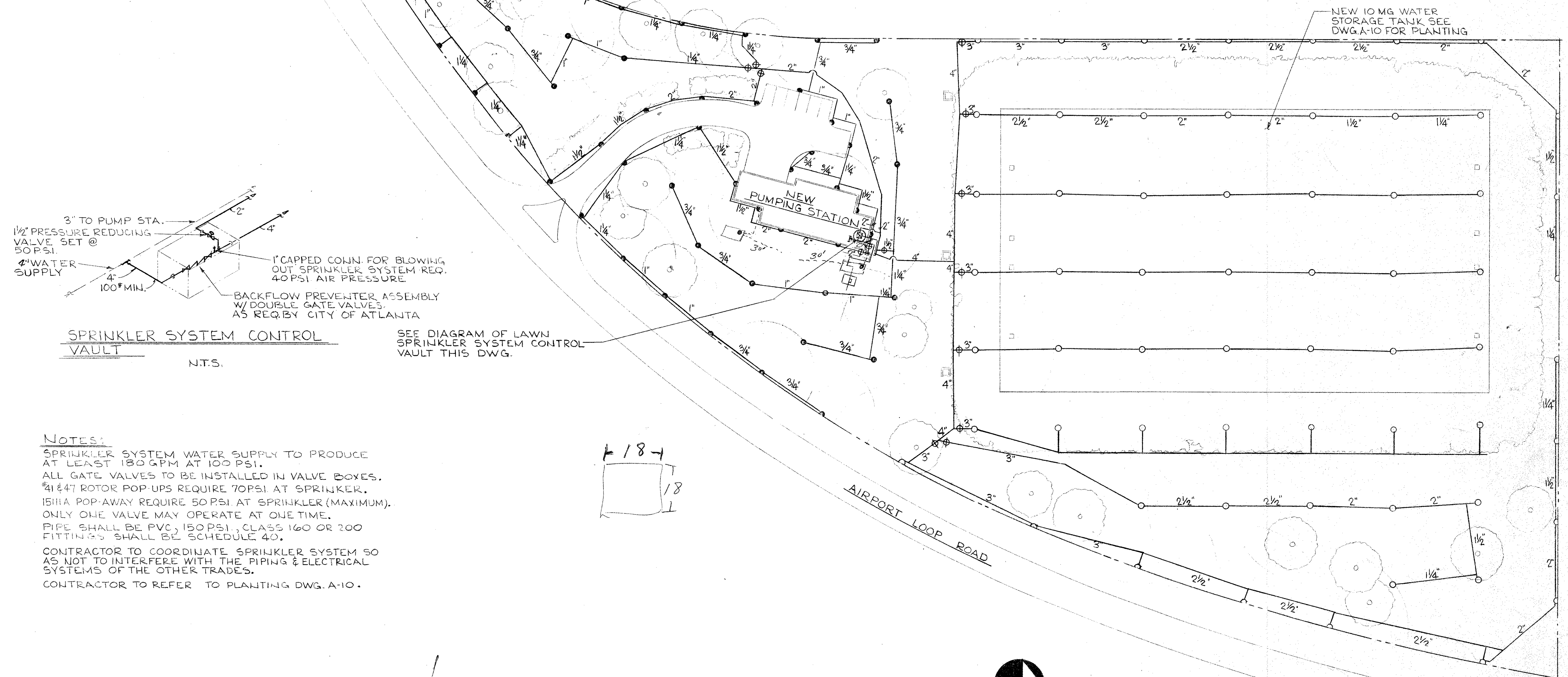
P-2 | 2

0.3)



SYMBOL	DESCRIPTION	GPM	PSI @ 100'	COVER SPRINKLER
⊕	WATER SOURCE			
⊕	GATE VALVE - LINES SIZE			
⊕	#15111A POP-AWAY SPRINKLER	4.03	50	40"R
⊕	#47 ROTOR POP-UP SPRINKLER	15.1	70	59"R
⊕	#41 ROTOR POP-UP SPRINKLER	18.3	70	60"R
	CONTROL BOXES W/ GREEN COVERS			

SPRINKLER NUMBERS ABOVE ARE MFG. BY RAINBIRD SPRINKLER CORP.
IRRIGATION CONTROL BOXES AS MFG. BY AMETEK INC.



SPRINKLER SYSTEM CONTROL VAULT

N.T.S.

NOTES:

- SPRINKLER SYSTEM WATER SUPPLY TO PRODUCE AT LEAST 180 GPM AT 100 PSI.
- ALL GATE VALVES TO BE INSTALLED IN VALVE BOXES.
- #41 & #47 ROTOR POP-UPS REQUIRE 70 PSI AT SPRINKLER.
- #15111A POP-AWAY REQUIRE 50 PSI AT SPRINKLER (MAXIMUM).
- ONLY ONE VALVE MAY OPERATE AT ONE TIME.
- PIPE SHALL BE PVC, 150 PSI, CLASS 160 OR 200 FITTINGS SHALL BE SCHEDULE 40.
- CONTRACTOR TO COORDINATE SPRINKLER SYSTEM SO AS NOT TO INTERFERE WITH THE PIPING & ELECTRICAL SYSTEMS OF THE OTHER TRADES.
- CONTRACTOR TO REFER TO PLANTING DWG. A-10.

AS BUILT

8/16/82

Jul. Madison

CONSULTING ENGINEERS SUBMITTED BY: JULIAN C MADISON REG. ENGR. GA. NO. 10072 DATE FEB 1979		CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR. DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: 3-15-79		CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION		MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA DESIGNED BY: F.A.E. CHECKED BY: W.T. DATE: AUG. 1979 DRAWN BY: F.A.E. SCALE: 1" = 40'		SITE LAWN SPRINKLER SYSTEM PROJ. NO. 7749-02 SHEET NO. 22 OF 62	
NO.	DESCRIPTION	BY	FIRM	DATE	BY	DATE			
	REVISIONS		SUBMITTAL		BUREAU OF WATER APPROVAL				

AIR HANDLING UNITS COMPONENTS

GENERAL			SUPPLY AIR FAN DATA										HEATING COIL DATA			REMARKS
MARK	SEE DWG. NO.	SERVICE	ARRG.	TYPE	CFM	STATIC PRESSURE		NO.	MIN. DIA.	RPM	J.V.	MOTOR H.P.	MBH	KW	STAGES	
HV#1	HV-1	PUMP ROOM	ROOF MTD.	EC-DWDI	6000	.40	TOT.	2	15"	1050	1450	5	228	70	2	NEBBITT NO. 150

ELECTRIC DUCT HEATER DATA

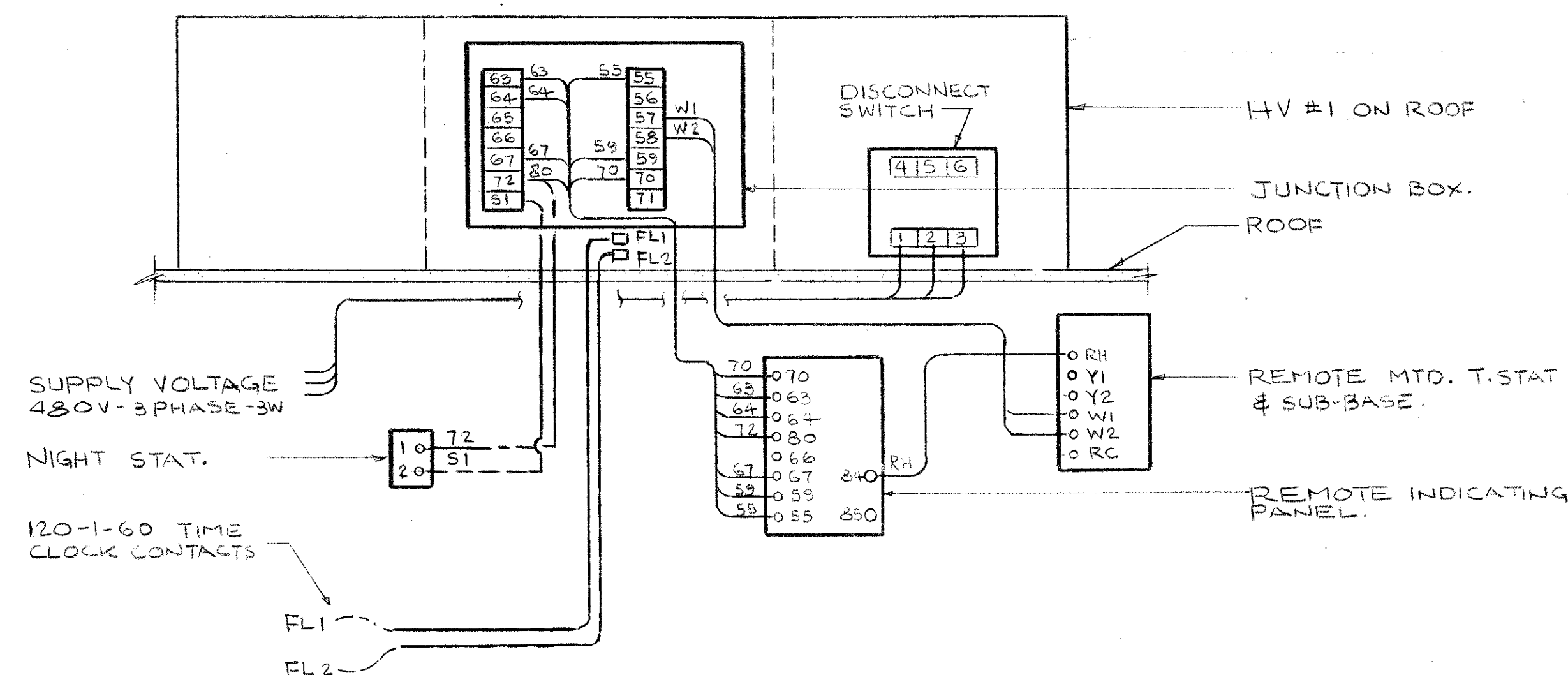
MARK	CAP. K.W.	NO. OF STAGES	DUCT HTR. SIZE		CFM	ELE. DATA	TEMP. AIR IN	TEMP. AIR OUT	REMARKS
			WIDTH	HEIGHT					
DH#1	4	2	12	5	120		10F	79F	
DH#2	16	4	16	8	530		10F	92F	

SUPPLY AND EXHAUST FAN DATA

MARK	SEE DWG. NO.	SERVICE	CAP. CFM	TOT. S.P.	TYPE	ARRG.	DRIVE	RPM	MOTOR H.P.	REMARKS
EF#1	M-2	PUMP ROOM	10000	1/4"	CENTRIF.	ROOF MTD.	BELT	385	1 1/2	GREENHECK RCX36-15
EF#2		"	10000	1/4"	"	"	"	385	1 1/2	"
EF#3		"	10000	1/4"	"	"	"	385	1 1/2	"
EF#4		"	10000	1/4"	"	"	"	385	1 1/2	"
EF#5		CHLORINATOR RM.	150	1/8"	PROP.	WALL MTD.	DIRECT	1050	1/40	SDE-10-24-E
EF#6		TOILETS	180	1/4"	"	ROOF MTD.	DIRECT	1300	1/60	CE-7.5 G
SF#1		CHLORINATOR RM.	150	3/8"	PROP.	ROOF MTD.	DIRECT	1050	1/20	"
SF#2		CHLORINE STORAGE	530	3/8"	"	"	"	1140	1/12	"

HEATING AND AIR CONDITIONING LEGEND

TF	TOP FLAT	AP	ACCESS PANEL
BF	BOTTOM FLAT	1V0	VOLUME DAMPER
SA	SUPPLY AIR	0BD	OPPOSED BLADE DAMPERS
SAR	SUPPLY AIR REGISTER	BD	BACK DRAFT DAMPER
RA	RETURN AIR	302	MOTORIZED DAMPERS
RAR	RETURN AIR REGISTER	⊙	T. STAT.
EA	EXHAUST AIR	⊙	NIGHT STAT.
EAR	EXHAUST AIR REGISTER	⊗	DIFF. WITH BLANK OFF SECTION
SAG	SUPPLY AIR GRILLE	+	DOOR LOUVER
SAR	SUPPLY AIR REGISTER		
RAG	RETURN AIR GRILLE		
RAR	RETURN AIR REGISTER		
-F-	FIRE DAMPER		

HV 1 - CONTROL WIRING DIAGRAM
NO SCALE

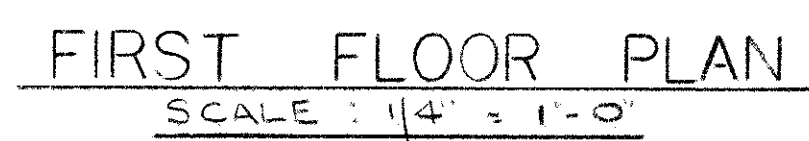
AS BUILT

8/16/82

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN G. MADISON
REG. ENGR. GA. NO. 10072 DATE FEB 1979CITY OF ATLANTA
BUREAU OF WATER
T.E. STALLWORTH, JR., DIRECTORAPPROVED BY: [Signature]
DATE: 3-15-79CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATIONMADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
Joint Venture
ATLANTA, GEORGIADESIGNED BY: H.S.A. CHECKED BY: W.T. DATE: AUG. 1979
DRAWN BY: H.S.A. SCALE: N.T.S.SCHEDULE SHEET
AND
CONTROL WIRING DIAGRAM

PROJ. NO. 7749-02 SHEET NO. 23 OF 62

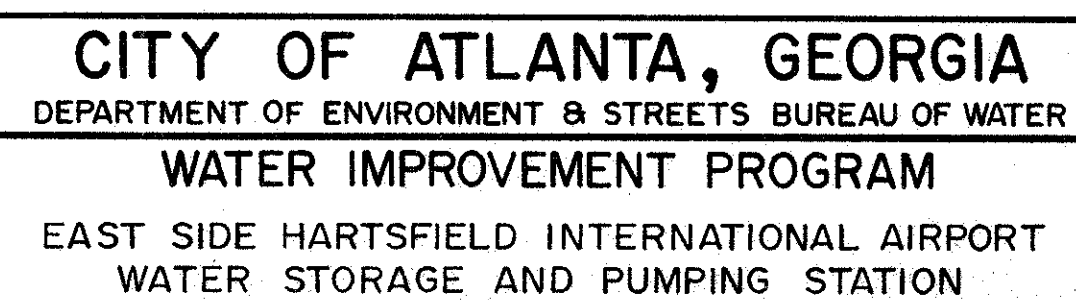
(HV-1)



8|16|82

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN C. MADISON
REG. ENGR. GA. NO. 10072 DATE FEB. 1979
MADISON · MADISON · INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

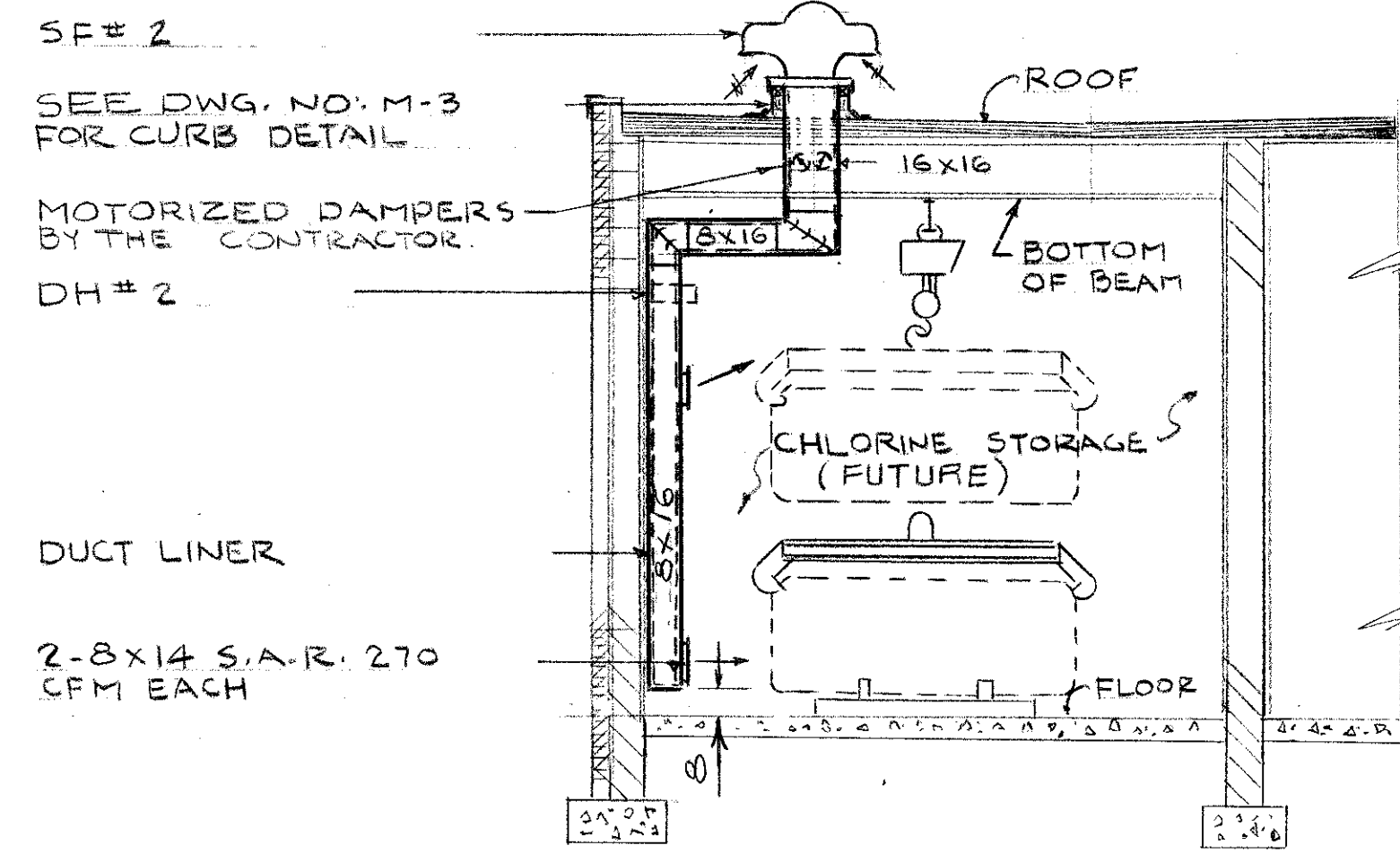
APPROVED BY: [Signature]
DATE: 3-15-79



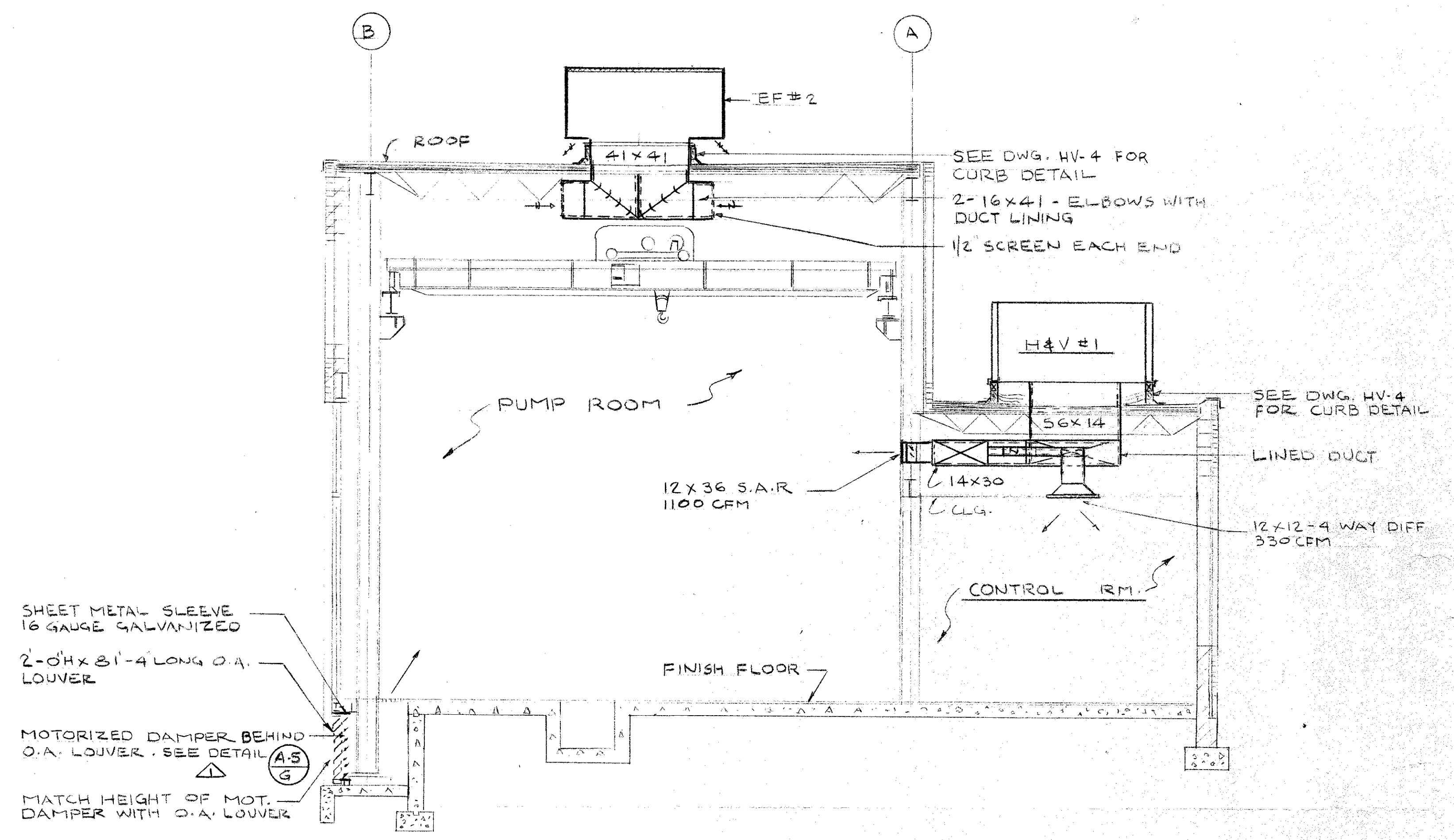
DESIGNED BY: H.S.A.	CHECKED BY: W.T.	DATE AUG. 1979
DRAWN BY: H.S.A.		SCALE 1/4" = 1'-0"

PROJ. NO. 7749-02 SHEET NO. 24 OF 62

[illegible]



SECTION HV-3
HV-2 1



SECTION HV-3
HV-2 2

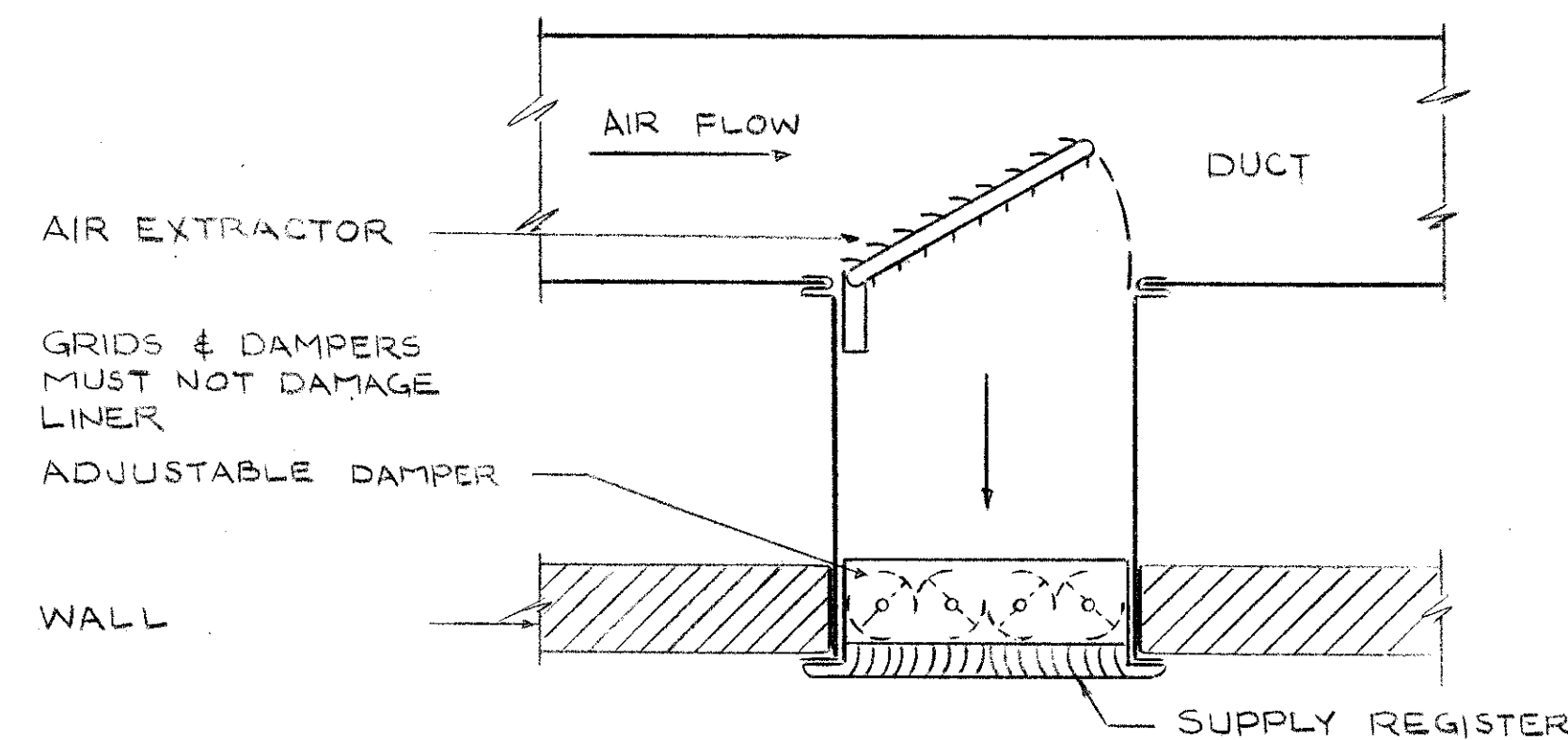
AS BUILT

8/16/82

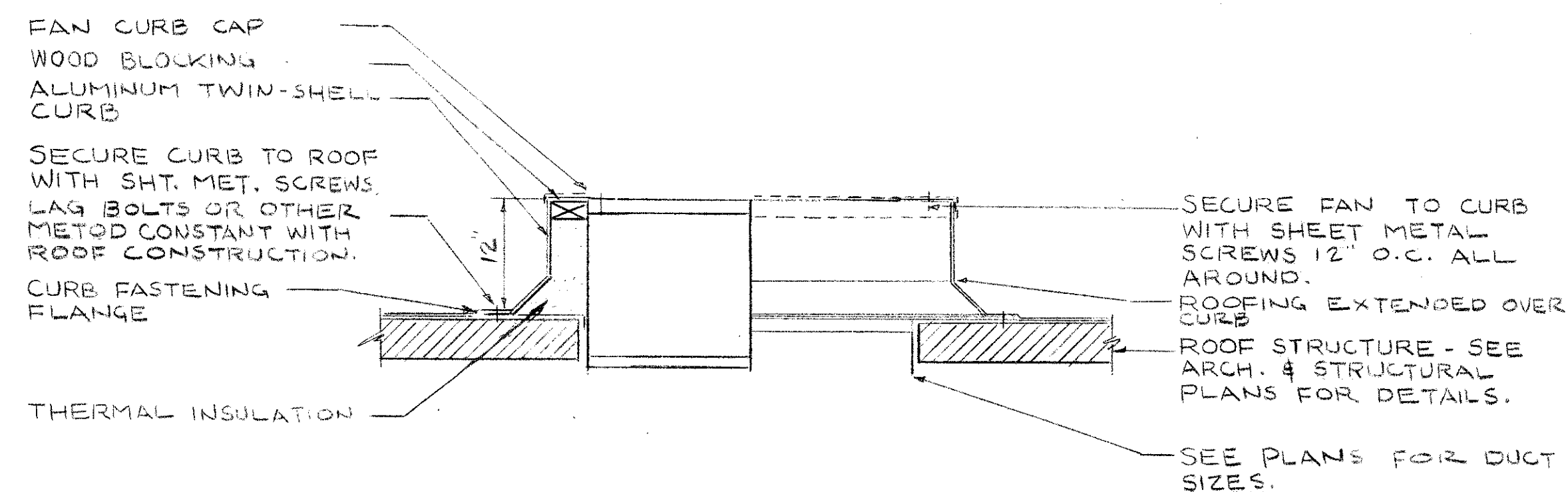
uk

CONSULTING ENGINEERS SUBMITTED BY: <u>JULIAN C. MADISON</u> REG. ENGR. GA. NO. <u>10072</u> DATE <u>FEB 1979</u>				CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR APPROVED BY: <u>[Signature]</u> DATE: <u>3-15-79</u>		CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION		MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA DESIGNED BY: <u>H.S.A.</u> CHECKED BY: <u>W.T.</u> DATE: <u>AUG. 1979</u> DRAWN BY: <u>H.S.A.</u> SCALE: <u>1/4" = 1'-0"</u>		HEATING AND VENTILATING SECTIONS PROJ. NO. <u>7749-02</u> SHEET NO. <u>25</u> OF <u>62</u>	
PRE-PROJ. REVISIONS NO. DESCRIPTION BY FIRM DATE BY DATE				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.							
REVISIONS SUBMITTAL BUREAU OF WATER APPROVAL											

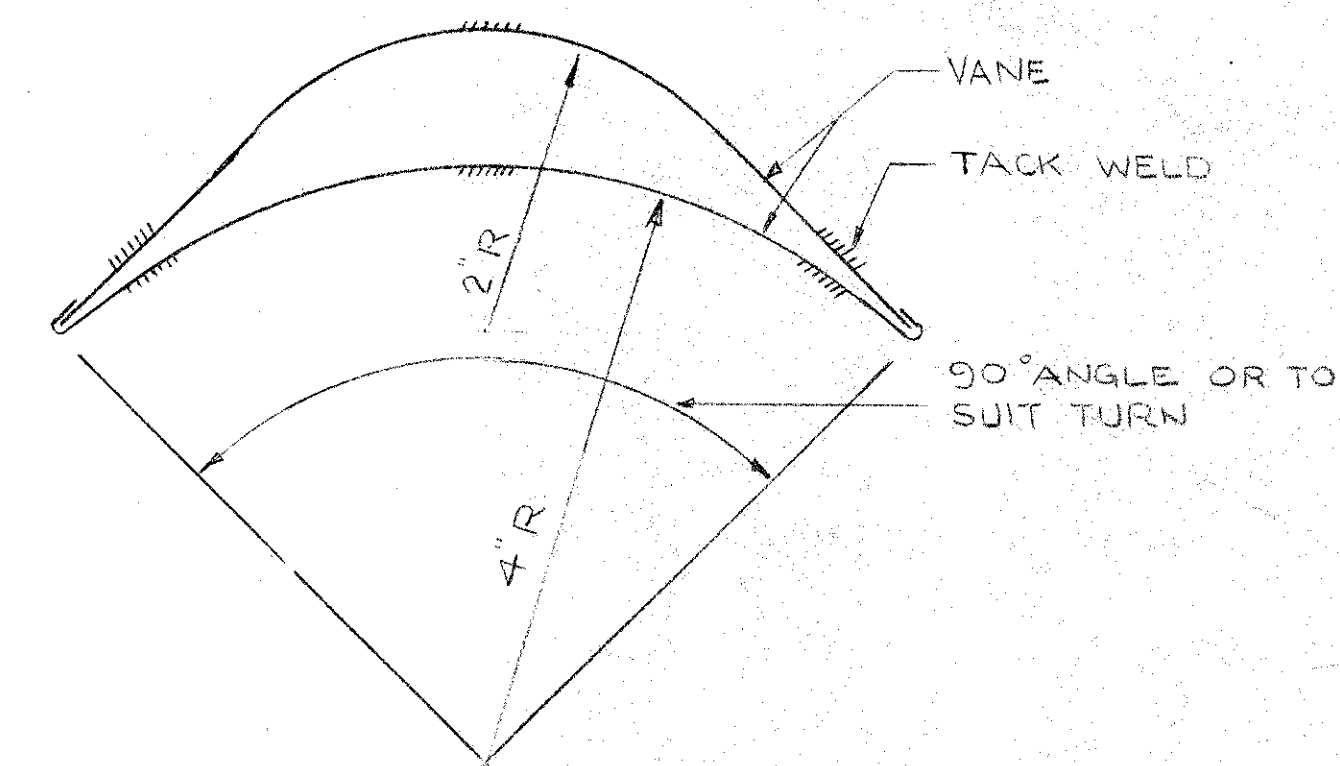
HV-3



REGISTER CONNECTION DET.
N.T.S.

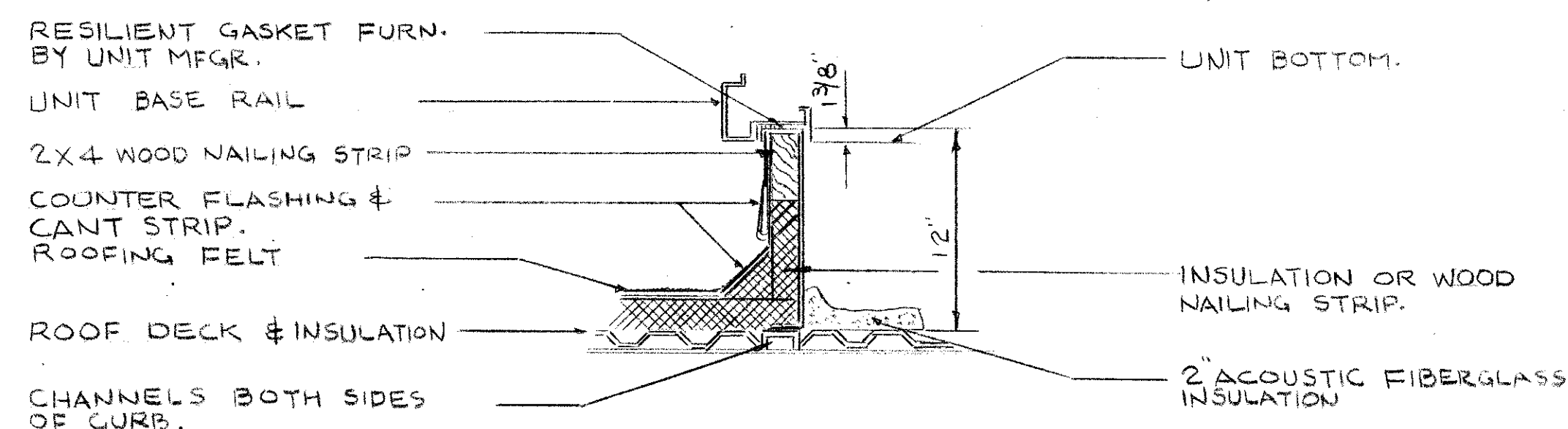


EXHAUST FAN CURB DETAIL
N.T.S.



DOUBLE VANE ELBOW DETAIL

N.T.S.



ROOFTOP UNIT'S CURB DETAIL

N.T.S.

AS BUILT

8 | 16 | 82

N.T.S.

[illegible]

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN C. MADISON
REG. ENGR. GA. NO. 10072 DATE FEB 1979
MADISON • MADISON • INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA
BUREAU OF WATER
T. E. STALLWORTH, JR., DIRECTOR
APPROVED BY: *[Signature]*
DATE: 3-15-79



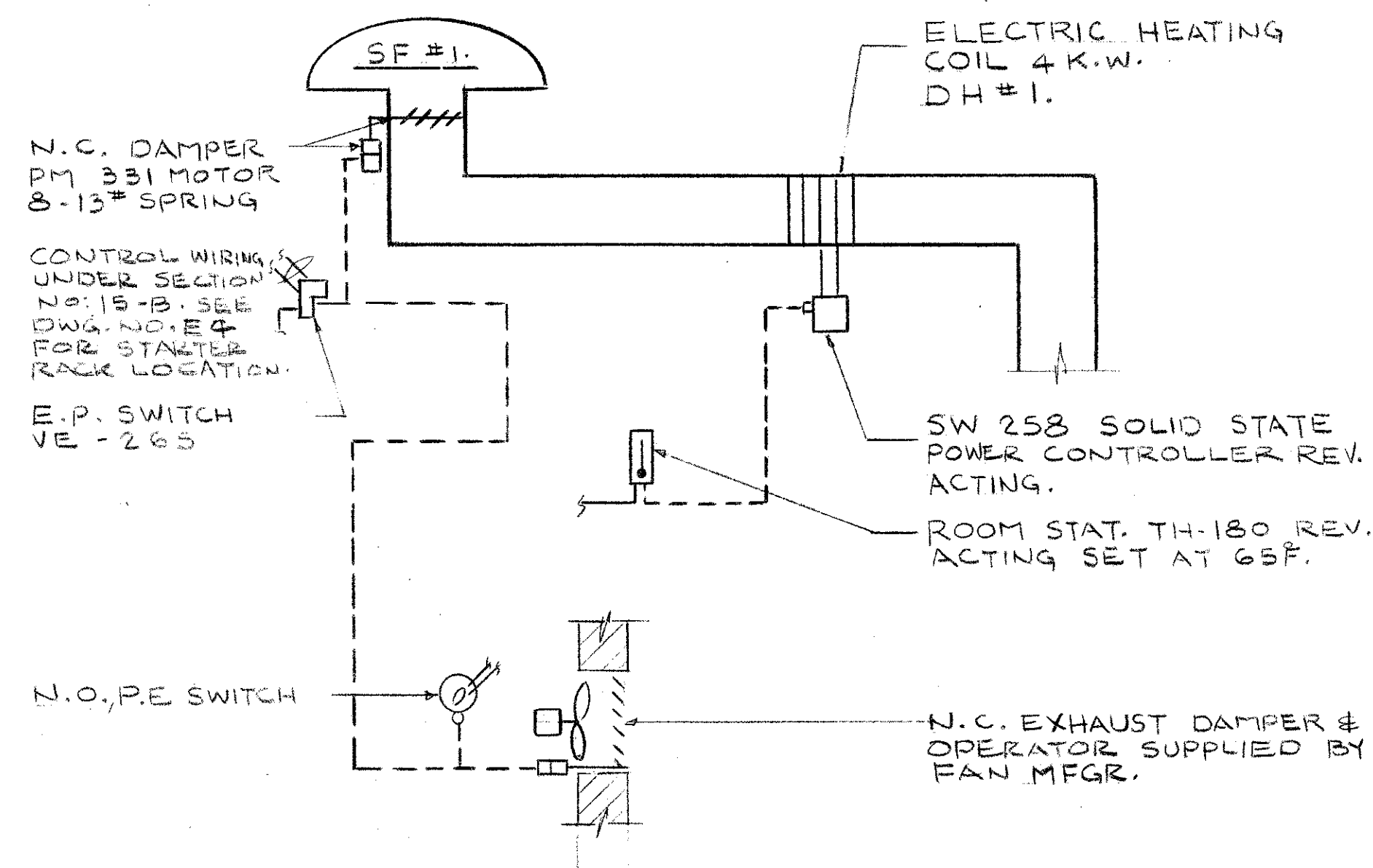
CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA		
DESIGNED BY: H. S. A.	CHECKED BY: W. T.	DATE: AUG. 1979
H. S. A.		N. T. S.

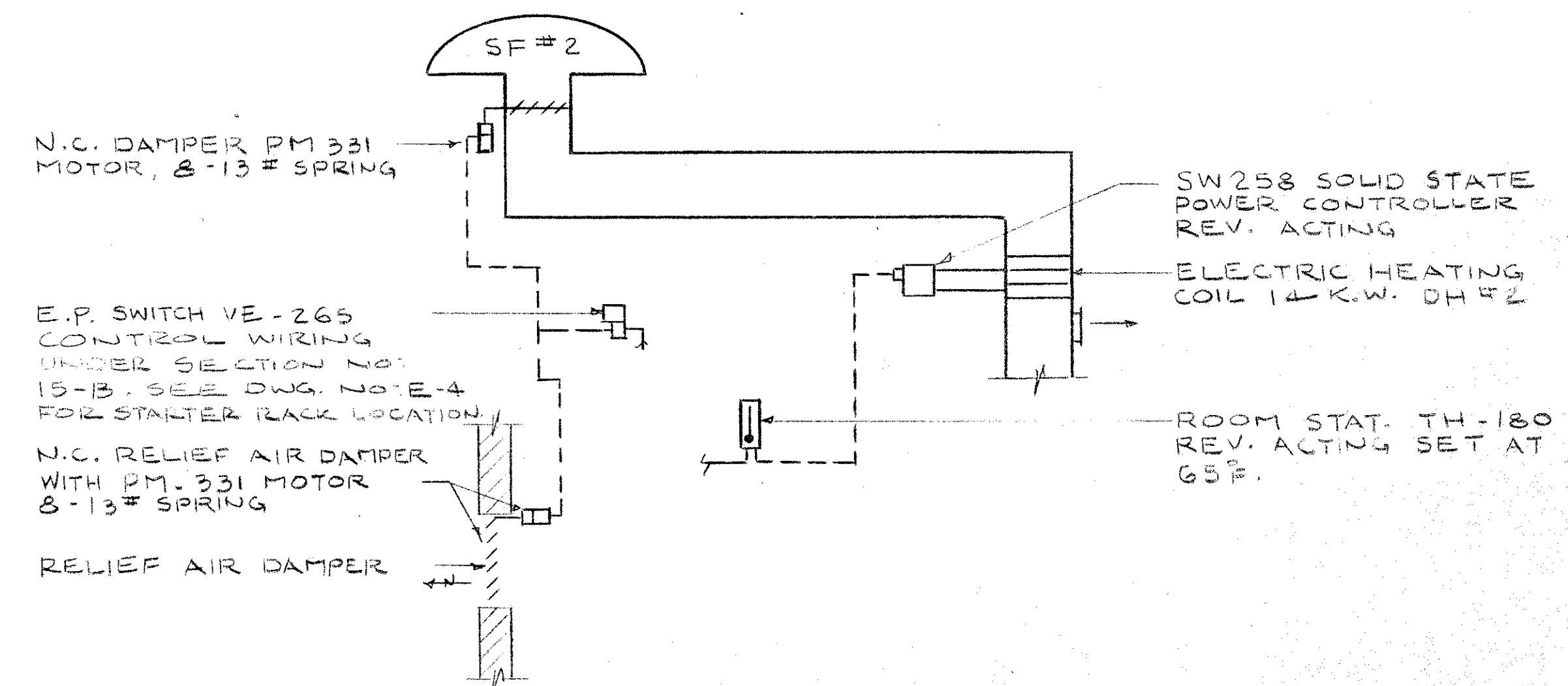
HEATING AND VENTILATING DETAILS

PROJ. NO. 7749-02 SHEET NO. 26 OF 62

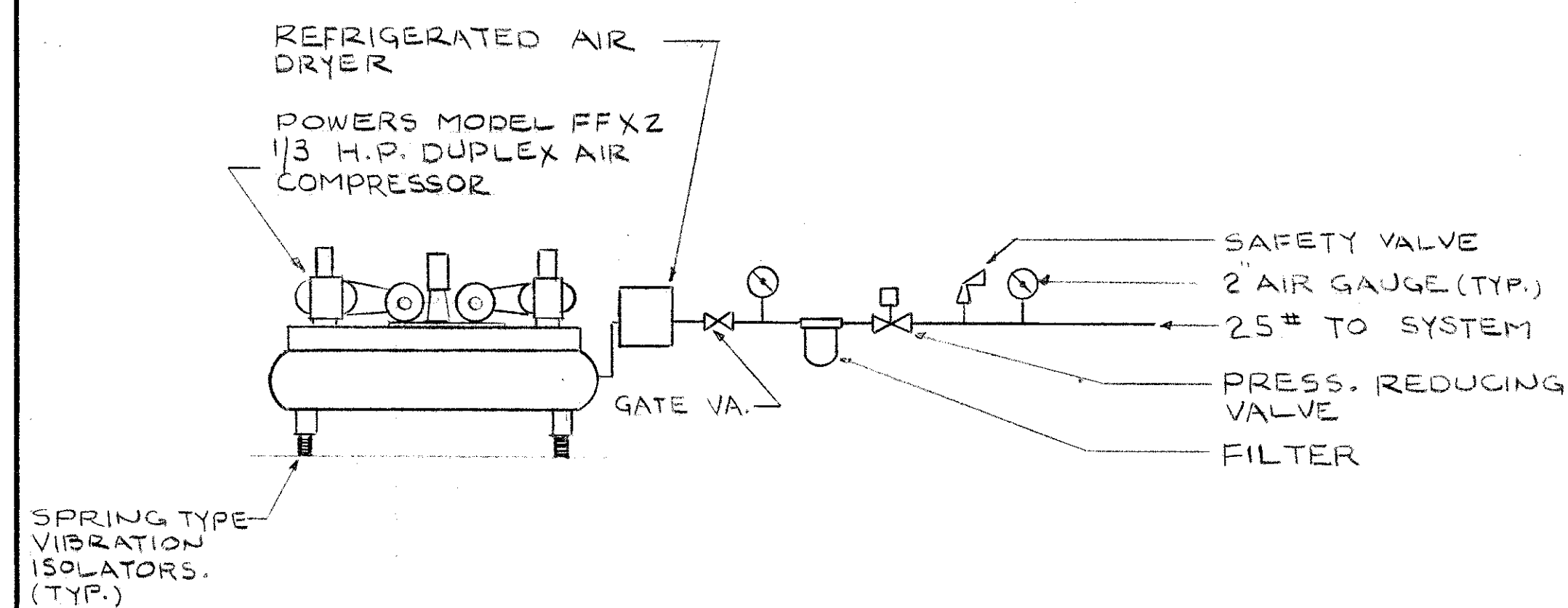
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CONTROL DIAGRAM FOR SF. NO. 1

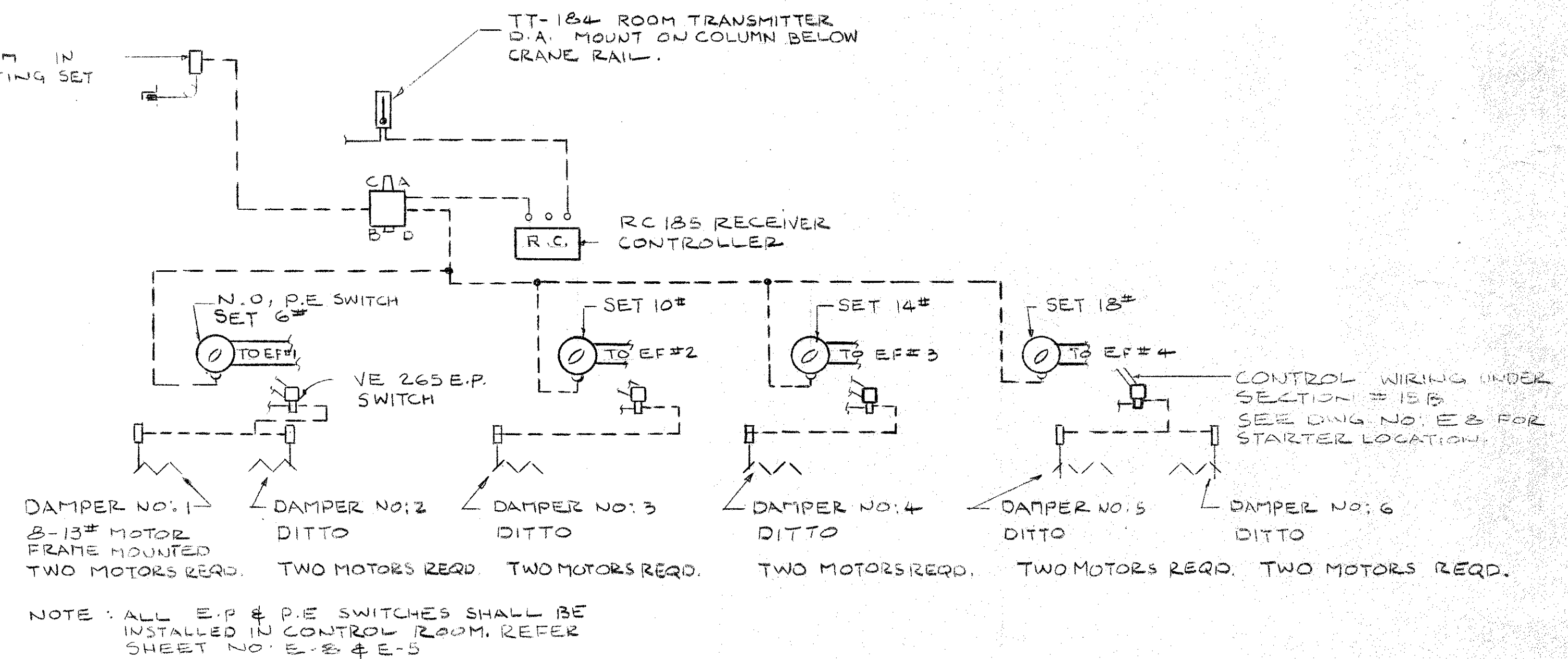


CONTROL DIAGRAM FOR SF. NO. 2



AIR COMPRESSOR DIAGRAM

TH 356 LIMITER IN
O.A., DIRECT ACTING SET
AT 50°F



CONTROL DIAGRAM FOR EXHAUST FAN NO. 1 TO 4

AS BUILT

8/16/82

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN C. MADISON
REG. ENGR. GA. NO. 10012 DATE 12/19/79
MADISON · MADISON · INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA
BUREAU OF WATER
T. E. STALLWORTH, JR., DIRECTOR
APPROVED BY: *[Signature]*
DATE: 3-15-79



CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
Joint Venture
ATLANTA, GEORGIA
DESIGNED BY: H.S.A. CHECKED BY: W.T. DATE: AUG. 1979
DRAWN BY: H.S.A. SCALE: N.T.S.

HEATING AND VENTILATING
CONTROL DIAGRAMS

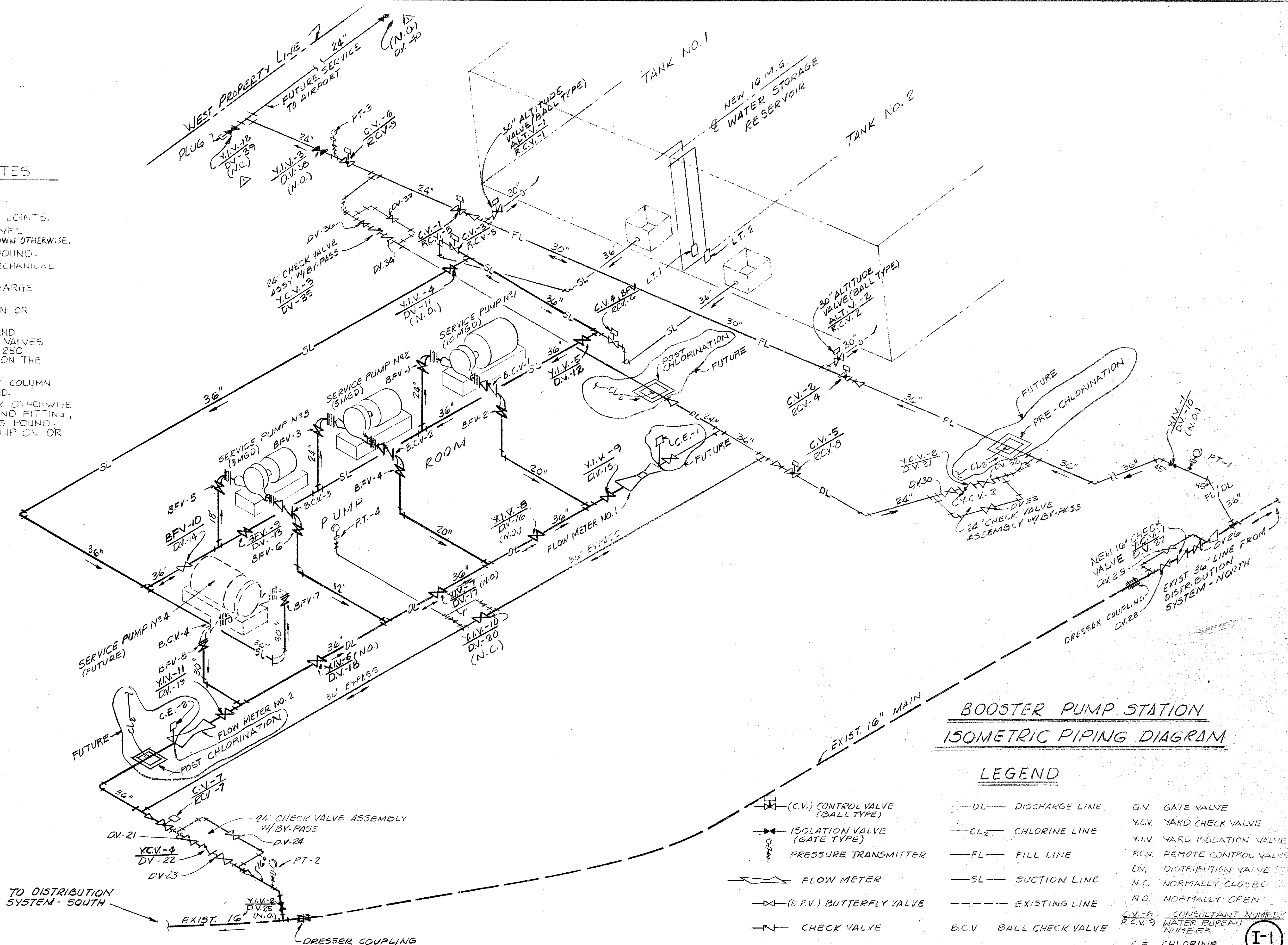
PROJ. NO. 7749-02 SHEET NO. 27 OF 62

HV-5

PIPING, VALVE & FITTING NOTES

1. ALL GATE VALVES SHALL BE MECHANICAL JOINTS.
2. ALL OUTSIDE VALVES EXCEPT BALL VALVES SHALL BE MECHANICAL JOINTS, UNLESS SHOWN OTHERWISE.
3. FLOW METERS SHALL BE FLANGED 125 POUND.
4. TEES AT DISCHARGE HEADER SHALL BE MECHANICAL JOINT & RESTRAINED JOINT.
5. BOTTOM 90° BEND AT EACH PUMP DISCHARGE COLUMN SHALL BE RESTRAINED JOINTS.
6. RESTRAINED JOINT SHALL BE LOK-TYTTON OR EQUAL.
7. ALL BALL VALVES SHALL BE FLANGED AND DRILLED 125 POUND, EXCEPT PUMP CHECK VALVES WHICH SHALL BE FLANGED AND DRILLED 250 POUND ON THE INLET SIDE AND 125 POUND ON THE OUTLET SIDE.
8. TOP 90° BEND AT EACH PUMP DISCHARGE COLUMN SHALL BE FLANGED AND DRILLED 125 POUND.
9. WHERE NOT NOTED ABOVE, SPECIFIED, OR OTHERWISE INDICATED, ALL INSIDE PIPING, VALVES AND FITTING, ETC. SHALL BE FLANGED & DRILLED 125 POUND, AND ALL OUTSIDE PIPING SHALL BE SLIP ON OR TYTON JOINT.

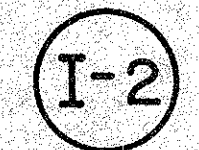
NOTE: CHLORINATION SYSTEM WAS DELETED FROM CONSTRUCTION CONTRACT. IT MAY BE INSTALLED IN FUTURE.



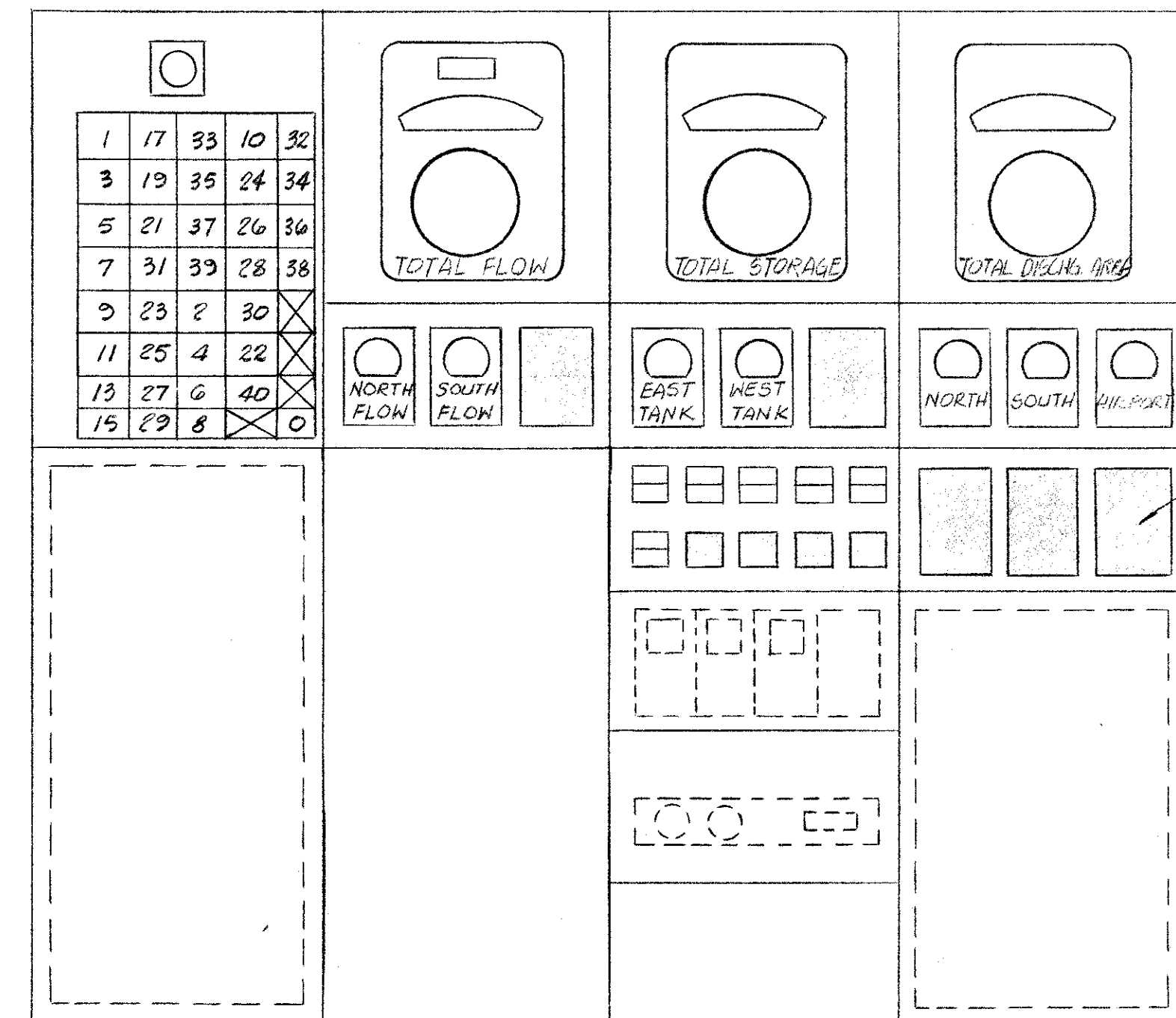
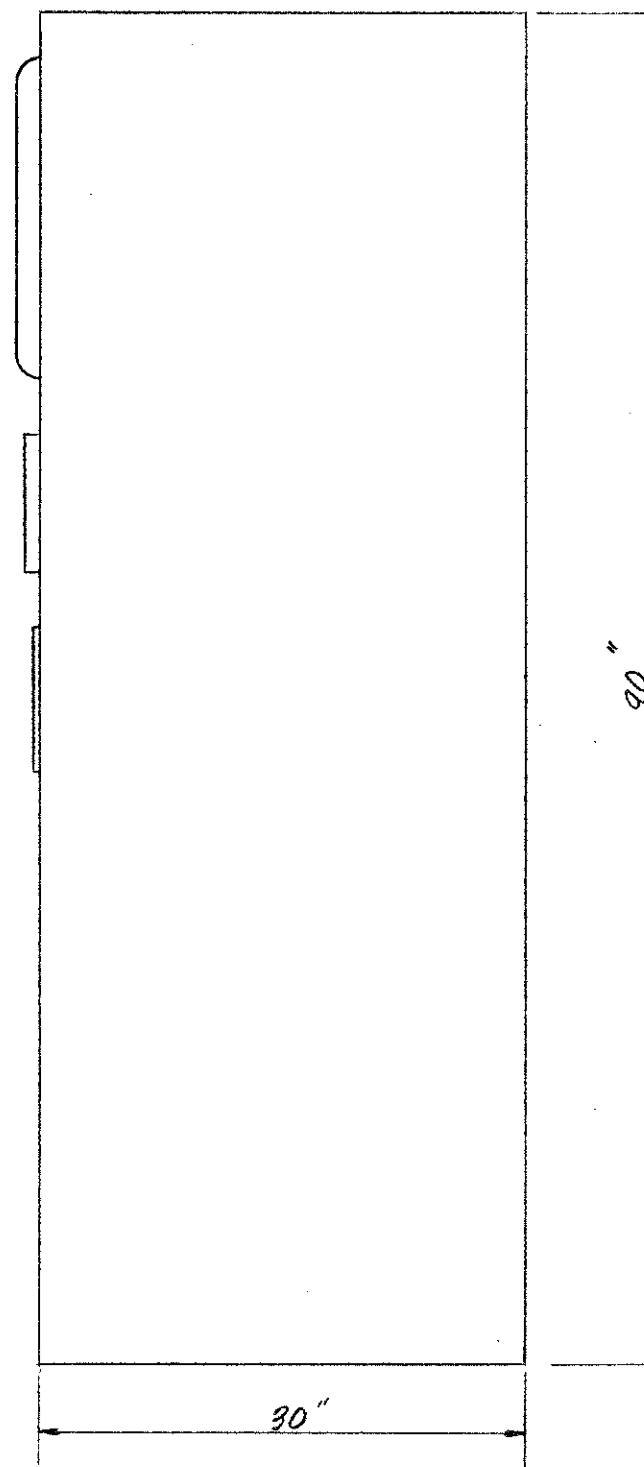
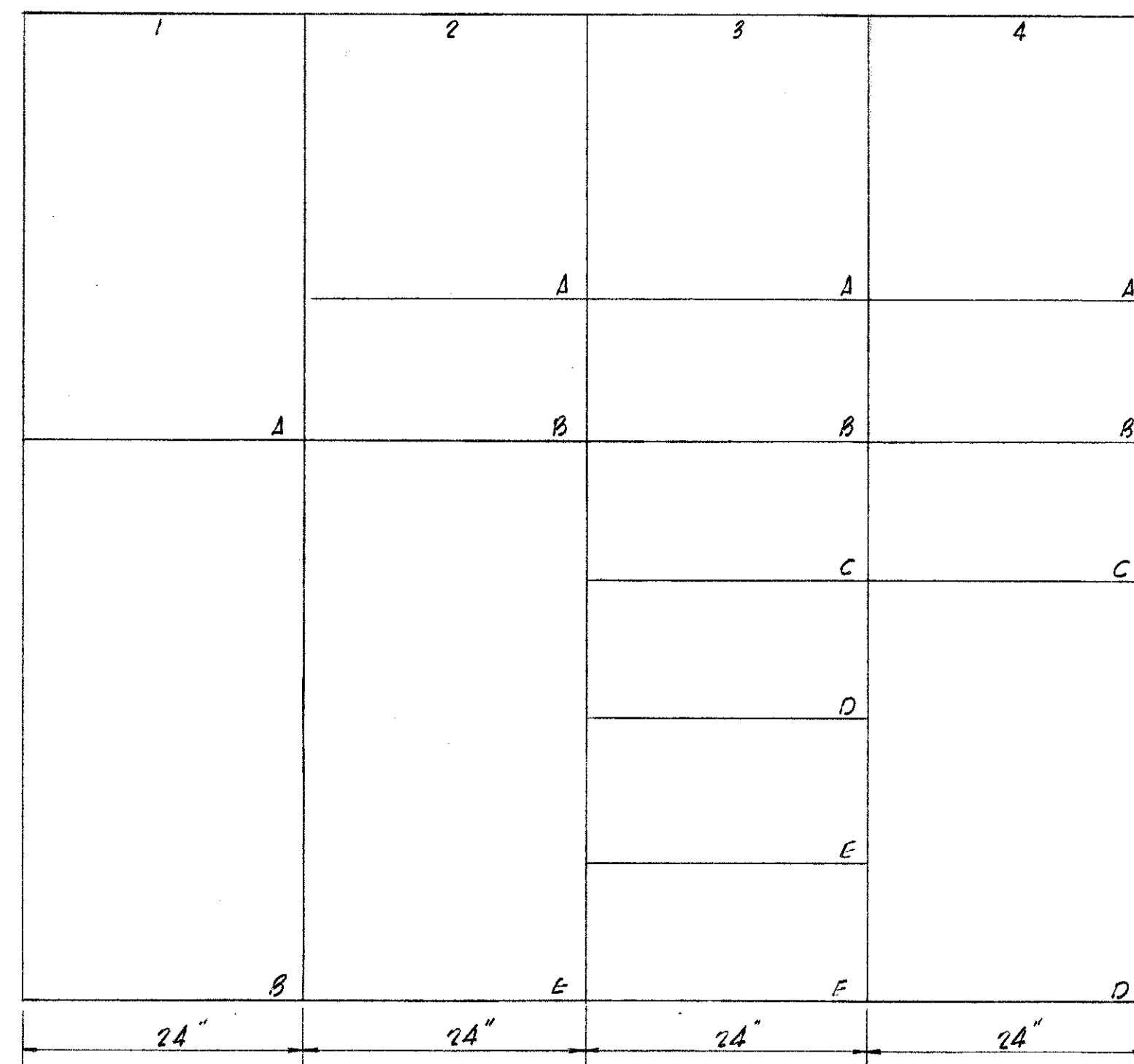
AS - BUILT

8/16/82

ADDITION: PIPING, VALVE & FITTING NOTES PRE-BID REVISIONS NO. DESCRIPTION BY FIRM DATE		CONSULTING ENGINEERS SUBMITTED BY: [Signature] REG. ENGR. GA. NO. 10317 DATE 1-29-79 MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.		CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR APPROVED BY: [Signature] DATE: 3-15-79		CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION		MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA DESIGNED BY: D.L. CHECKED BY: C.V. DATE: AUG. 1979 DRAWN BY: J.A.B. SCALE: NONE		SCHEMATIC FLOW DIAGRAM PROJ. NO. 7733-1 SHEET NO. 28 OF 62	
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CONTROL DIAGRAM	
PROJ. NO. 7733-1	SHEET NO. 29 OF 62



TYP. SPACE FOR FUTURE DEVICE

UNIT	INSTRUMENTATION	PANEL	SCHEDULE
1A	ANNUNCIATOR	SEE ALARM SCHEDULE	
1B	UPS	RACK MOUNTED	
2A	FR-3		
2B	FI-1, FI-2		
2E	SPACE	AS REQUIRED FOR ACCESSORY DEVICES	
3A	LR-3		
3B	LI-1 LI-2		
3C	VC-1, 2, 3, 4, 8, 9 PA'S & PILOT LGS.		
3D	VSP-5, VSP-6, VSP-7	RACK MOUNTED	
3E	PA EQUIPMENT	RACK MOUNTED	
3F	SPACE	AS REQUIRED FOR ACCESSORY DEVICES	
4A	PR-4		
4B	PI-1 PI-2 PI-3		
4C	SPACE	INSERTS FOR FUTURE INDICATORS	
4D	RTU	RACK MOUNTED	

NOTES:

- ALL DEVICES SHALL BE IDENTIFIED, AS TO SERVICE OR FUNCTION, WITH NAMEPLATES. DEVICES RACK MOUNTED, BEHIND PANEL DOORS, SHALL BE IDENTIFIED WITH DUPLICATE DOOR MOUNTED NAMEPLATES. NAMEPLATES SHALL BE MINIMUM 2"x3/4" WHITE BAKELITE WITH BLACK ENGRAVED LETTERING.
- SPACES FOR FUTURE DEVICES SHALL BE PROVIDED AS INDICATED, WITH SEALED REMOVABLE INSERTS.

ANNUNCIATOR	SCHEDULE
1 DISCHARGE PRESSURE-HIGH	2 STORAGE TANK #1 HIGH CAPACITY
3 DISCHARGE PRESSURE-LOW	4 " " 1 LOW "
5 PUMP #1 LOW DISCHARGE PRESSURE	6 " " 2 HIGH "
7 " 2 " " "	8 " " 2 LOW "
9 " 3 " " "	10 STORAGE TANKS TOTAL - LOW
11 " 4 " " "	12 SPARE
13 " 1 LOSS OF PRIME	14 SPARE
15 " 2 " " "	16 SPARE
17 " 3 " " "	18 SPARE
19 " 4 " " "	20
21 VACUUM PRIME SYSTEM - ALARM	22 INST. PANEL EMERG POWER ON
23 PUMP #1 - EMERGENCY SHUTDOWN	24 FIRE ALARM
25 " 2 " " "	26 POWER FAILURE - LINE #1
27 " 3 " " "	28 " " - LINE #2
29 " 4 " " "	30 EMERGENCY TIE BREAKER CLOSED
31 VALVE ACTUATING SYSTEM - LOW PRES.	32 PUMP NO. 1 BALL VALVE FAILURE
33 PUMP #1 - HIGH TEMPERATURE ALARM	34 " NO. 2 " " "
35 " 2 " " " "	36 " NO. 3 " " "
37 " 3 " " " "	38 " NO. 4 " " "
39 " 4 " " " "	40 REMOTE TERMINAL UNIT FAILURE

NOTE: FOR FINAL AS BUILT INSTRUMENTATION SYSTEM
DRAWINGS, SEE TURBITROL DWG. NO. C79087-27016

AS BUILT

8/16/82

SUBMITTED BY: <i>[Signature]</i>		CITY OF ATLANTA BUREAU OF WATER		CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION		MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA		CONTROL PANEL	
REG. ENGR. GA. NO. 10317 DATE 4/29/79		APPROVED BY: <i>[Signature]</i> DATE: 3-15-79		DESIGNED BY: D.L.		CHECKED BY: C.V.		DATE: AUG. 1979	
NO. DESCRIPTION BY FIRM DATE BY DATE		MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.		DRAWN BY: A.J.S.		SCALE:		PROJ. NO. 7733-1 SHEET NO. 30 OF 62	
REVISIONS SUBMITTAL BUREAU OF WATER APPROVAL									

DESIGN CRITERIA

(ALL DESIGN PER "CITY OF ATLANTA, GEORGIA"
BUILDING CODE, EXCEPT AS NOTED.)

1. LIVE LOADS:

ROOF _____ 20#/50 FT.
TOP OF RESERVOIR _____ 100#/50 FT.
FLOORS _____ 100#/50 FT.

2. ALLOWABLE UNIT STRESSES:

CONCRETE (DESIGN PER ACI-318-77)

STEEL (AS SPECIFIED)

STRUCTURAL STEEL (DESIGN PER CURRENT EDITION

A.I.S.C. "MANUAL OF STEEL CONSTRUCTION")

SOIL BEARING (DESIGN MAXIMUM) 2200#/50 FT.

GENERAL STRUCTURAL NOTES

1. CONCRETE FOR SIDEWALKS & FILL SHALL BE CLASS "C" ALL OTHERS SHALL BE CLASS "A" SEE SPECIFICATIONS FOR DESIGN STRENGTH.

2. UNLESS OTHERWISE SHOWN ON DRAWINGS, MINIMUM COVER FOR REINFORCING SHALL BE AS FOLLOWS:

FOOTINGS _____ 3"
SURFACES CONTACTING FLUID _____ 2"
COLUMNS & PEDESTALS (OVER VERT. REINF.) _____ 2"
WALLS _____ 2"
SLABS _____ 1"
BEAMS (OVER MAIN REINF.) _____ 2"
ALL CONC. POURED DIRECTLY ON GROUND _____ 3"

3. ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES DURING PLACING OF THE CONCRETE. ACCESSORIES TO HAVE PRIOR APPROVAL.

4. SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE IN ACCORDANCE WITH THE SPLICE SCHEDULE (UNLESS OTHERWISE NOTED), WITH SPLICE AS REQUIRED FOR LARGER BAR.

5. TERMINATE ALL TOP BARS AT DISCONTINUOUS ENDS OF BEAMS OR SLABS WITH A STANDARD 90° HOOK.

6. SEE SPECIFICATIONS FOR MEMBRANE WATERPROOFING.

7. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS NOT DETAILED.

8. UNLESS OTHERWISE NOTED, SPLICES IN TOP REINFORCING SHALL BE MADE AT MID-SPAN.

9. PROVIDE PREMOULDED EXPANSION JOINT MATERIAL WHERE SLAB ON GRADE IS POURED AROUND COLUMNS OR PEDESTALS & AGAINST GRADE BEAMS OR WALLS UNLESS OTHERWISE SHOWN. SEE SPECIFICATIONS.

10. A LIFT HOLE SHALL BE PROVIDED IN EACH PIECE OF FLOOR PLATE.

11. ALL PRECAST LINTELS SHALL BE REINFORCED WITH 2#4 TOP & BOT. AS A MIN. & SHALL HAVE A MIN. MASONRY END BEARING OF 8".

12. ALL STRUCT. OPENINGS AROUND OR AFFECTED BY MECH., ELEC. & PLUMBING EQUIPMENT SHALL BE VERIFIED WITH EQUIPMENT PURCHASED BEFORE PROCEEDING WITH STRUCT. WORK AFFECTED.

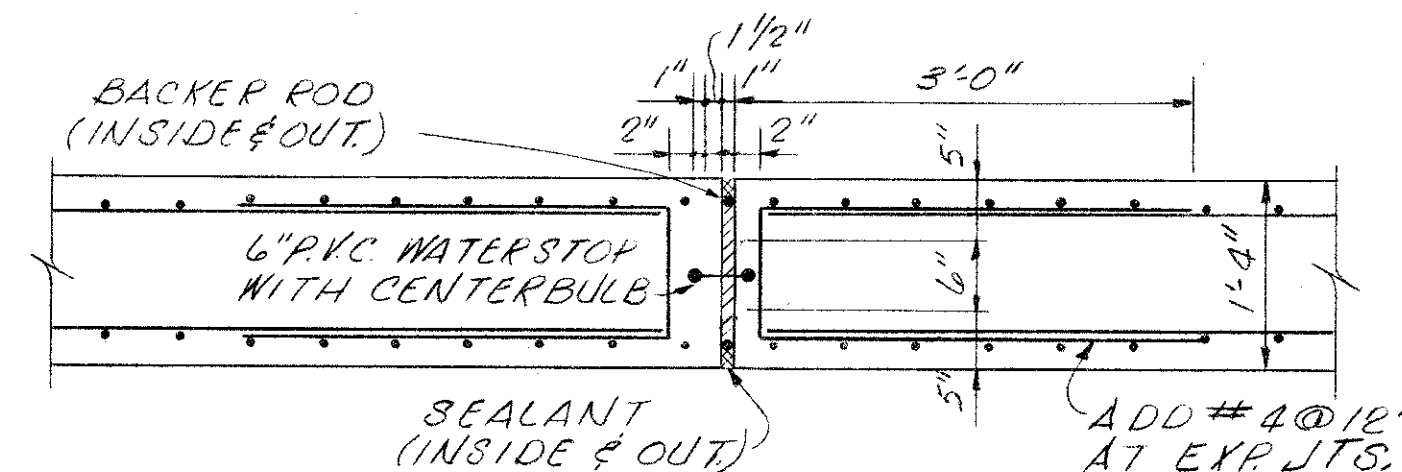
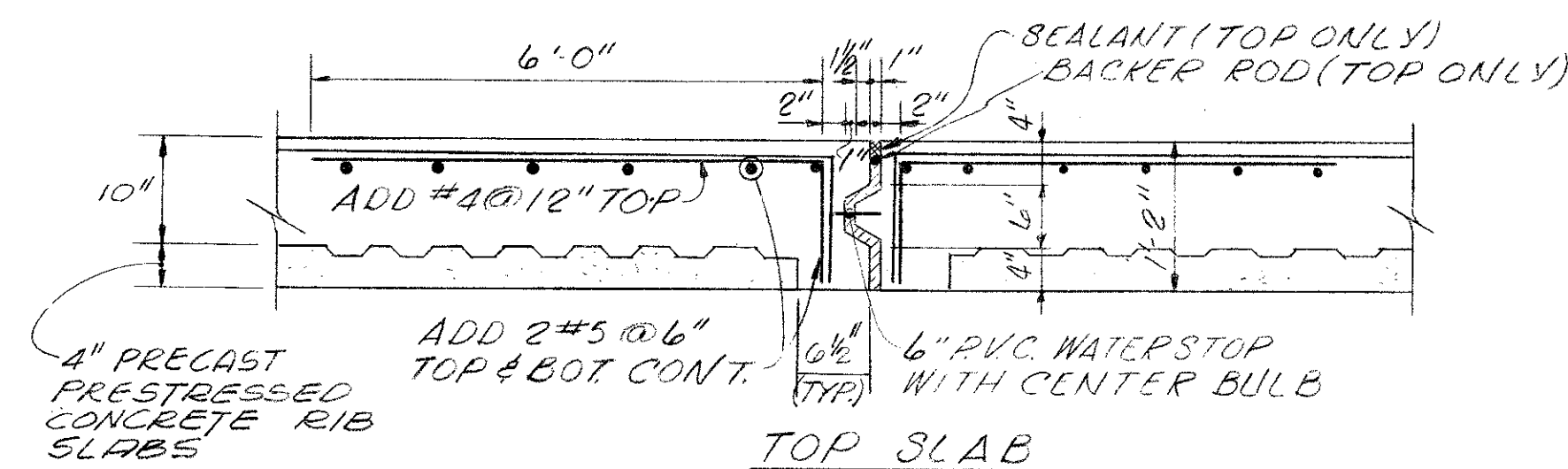
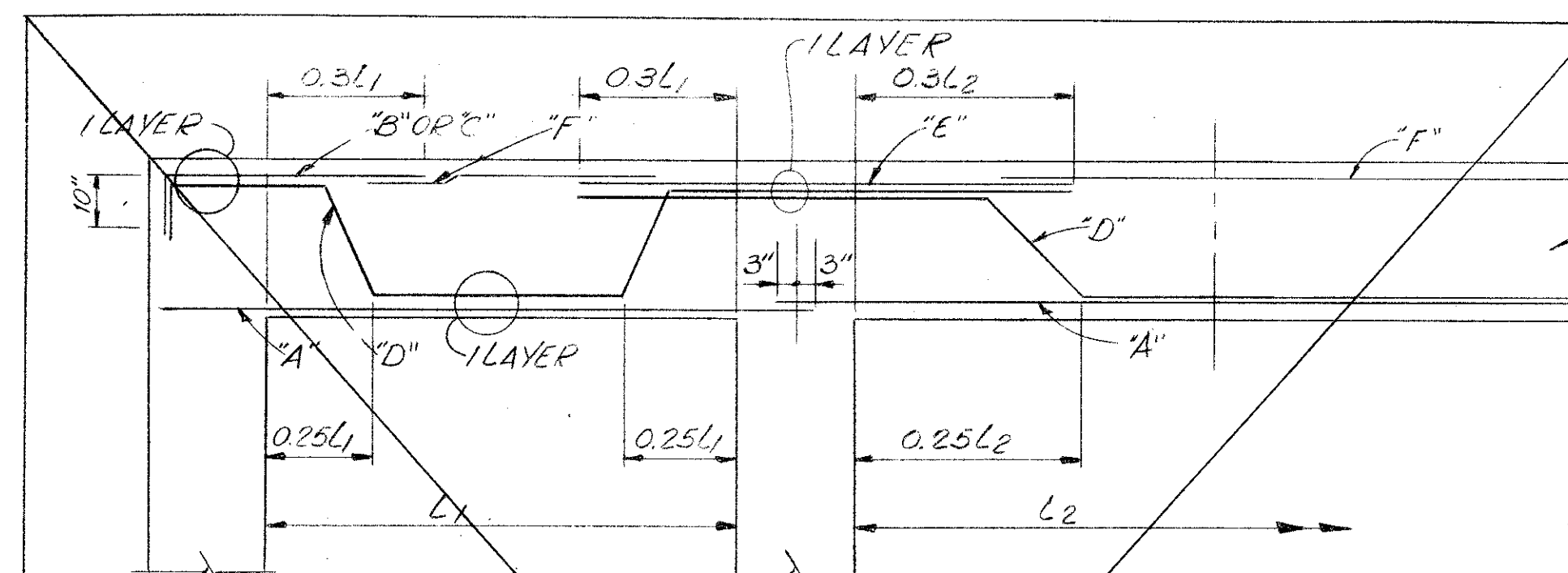
13. PROVIDE 3/4" CHAMFER ON ALL EXPOSED CORNERS OF BEAMS, COLUMNS, WALLS, ETC.

14. DOWELS FROM SLABS TO WALLS SHALL MATCH WALL REINF. LAP ACCORDING TO SPLICE SCHEDULE (UNLESS OTHERWISE NOTED).

15. IT IS THE REQUIREMENT AND INTENT OF THE PLANS & SPECS. THAT THE RESERVOIR AND OTHER SUB-GRADE STRUCTURES TO BE CONSTRUCTED WATER TIGHT TO PREVENT EITHER EXFILTRATION OF TANK CONTENTS OR INFILTRATION OF GROUNDWATER; TO THIS END EFFECT, WATERSTOPS SHALL BE USED IN ALL EXTERIOR CONST. JTS. & EXP. JOINTS OF TANKS, PITS & WALLS, WHETHER OR NOT SPECIFICALLY NOTED.

16. CONSTRUCTION JOINTS SHALL BE SPACED AS SHOWN ON THE DRAWINGS UNLESS OTHERWISE APPROVED BY THE ENGINEER.

17. ACTUAL FINISH GRADE ELEVATIONS MAY VARY FROM APPROX. ELEVATIONS SHOWN ON THE STRUCTURAL DWGS. SEE SITE & GRADING PLANS FOR ACTUAL ELEVS.

**EXTERIOR WALL****TYPICAL EXPANSION JOINTS****SLAB BENDING SCHEDULE****SLAB NOTES**

1. "A" AND "D" BARS SCHEDULED IN THE SAME SPAN SHALL BE ALTERNATED.

2. "D" BARS FROM ADJACENT SPANS SHALL BE ALTERNATED OVER SUPPORT.

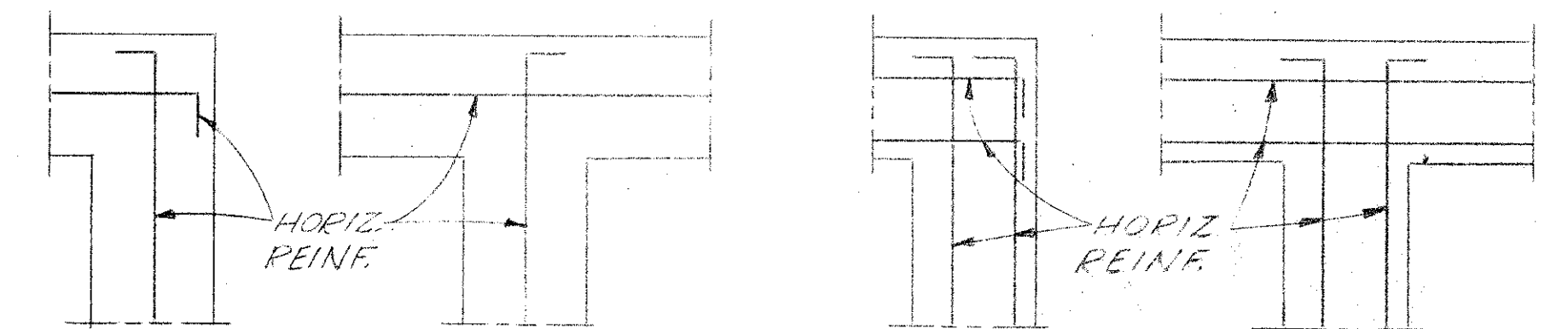
3. REINFORCING IN E-W DIRECTION OCCURS IN OUTER LAYER UNLESS OTHERWISE NOTED.

4. "B" BARS ARE SCHEDULED AT THE WEST END OF SLAB. "C" & "E" BARS ARE SCHEDULED AT THE EAST END OF SLAB.

SLAB SCHEDULE

MARK	A	B	C	D	E	F	REMARKS
S-1	#7@12"	#7@12"		#7@12"	#6@6"	#5@12"	ADD #7@12" BOT, SEE SEC. 2
S-2	#6@12"			#6@12"	#6@6"	#5@12"	
S-3	#6@12"			#6@12"	#6@6"	#5@12"	
S-4	#6@12"			#5@12"	#6@6"	#5@12"	
S-5	#7@12"	#5@12"		#7@12"	#6@6"	#5@12"	
S-6	#6@12"			#6@12"	#6@6"	#5@12"	
S-7	#6@12"			#6@12"	#6@6"	#5@12"	
S-8	#7@12"		#7@12"	#7@12"	#6@6"	#5@12"	ADD #7@12" BOT, SEE SEC. 2

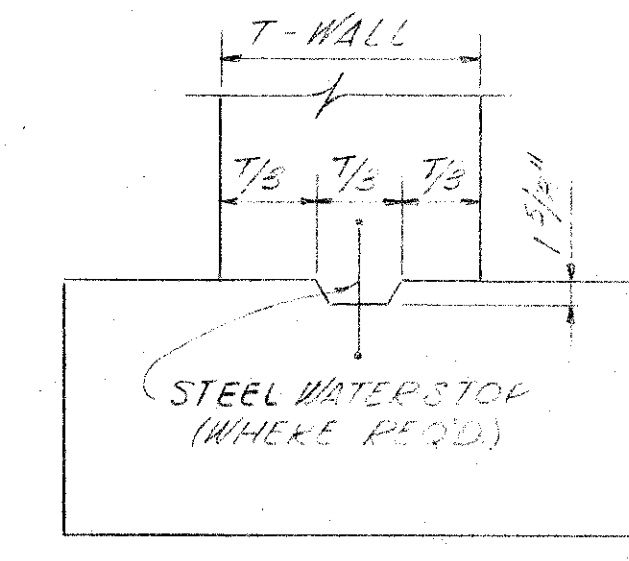
NOTE: PROVIDE #5@12" TEMPERATURE REINFORCING TOP AND BOTTOM IN NORTH-SOUTH DIRECTION TRANSVERSE TO MAIN REINFORCING.

**SINGLE LAYER****TYPICAL CONCRETE WALL CORNER DETAILS**

NO SCALE

NOTE:

ALL HOOKS ARE STANDARD 90°

**WALL & SLAB**

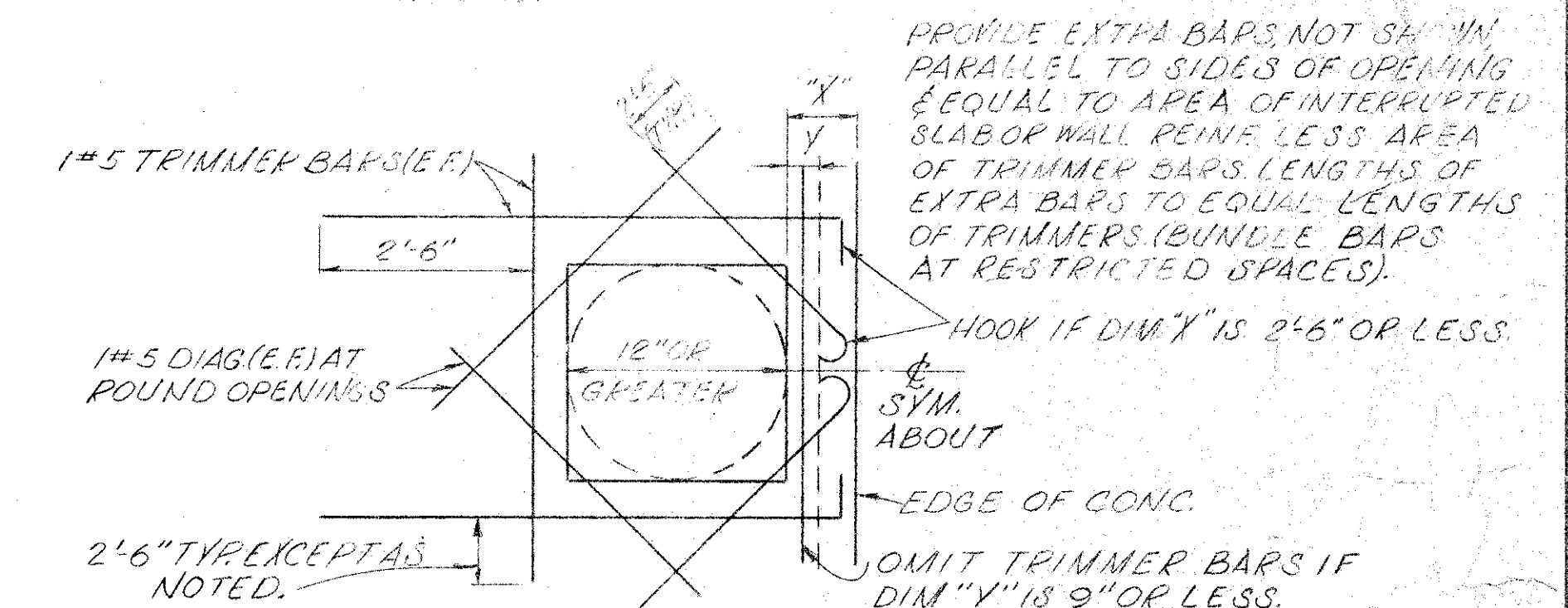
NO SCALE

1. REINF. TO CONT. THRU CONST. JOINTS.

2. SEE PLANS FOR LOCATIONS OF JOINTS. THE USE OF DIFFERENT LOCATIONS MUST BE APPROVED BY THE ENGINEER.

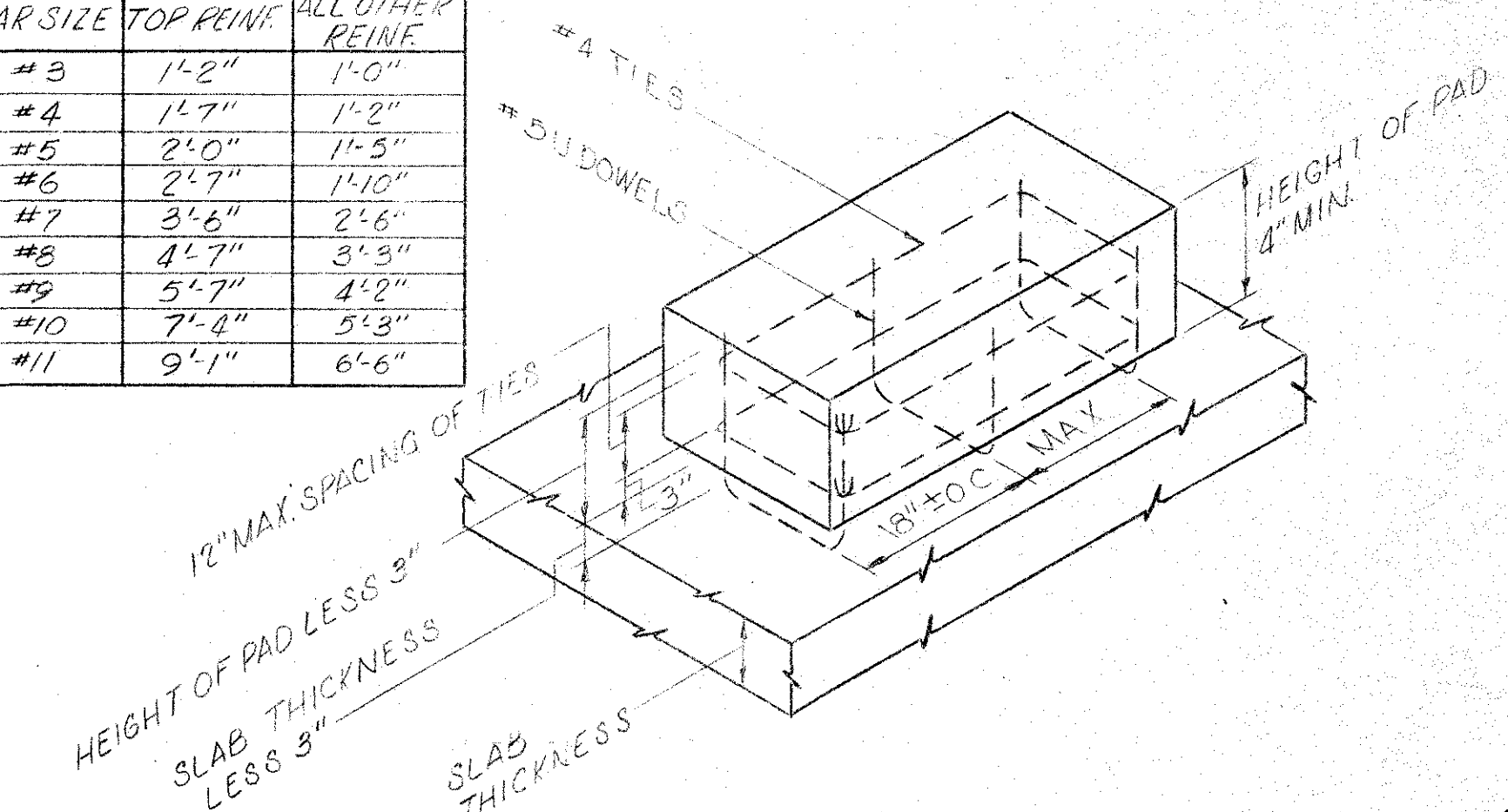
TYPICAL CONSTRUCTION JOINTS

NO SCALE

**TYPICAL DETAIL-OPENING IN WALL OR SLAB**

NO SCALE

BAR SIZE	TOP REINF.	ALL OTHER REINF.
#3	1'-2"	1'-0"
#4	1'-7"	1'-2"
#5	2'-0"	1'-5"
#6	2'-7"	1'-10"
#7	3'-6"	2'-6"
#8	4'-7"	3'-3"
#9	5'-7"	4'-2"
#10	7'-2"	5'-3"
#11	9'-1"	6'-6"

**TYPICAL EQUIPMENT PAD DETAIL**

NO SCALE

AS BUILT

8/16/82

NO.	DESCRIPTION	BY	FIRM	DATE	BY	DATE
	REVISIONS					

CONSULTING ENGINEER SUBMITTED BY: <i>[Signature]</i>	
REG. ENGR. GA. NO. 11594 DATE 1-29-79	
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.	

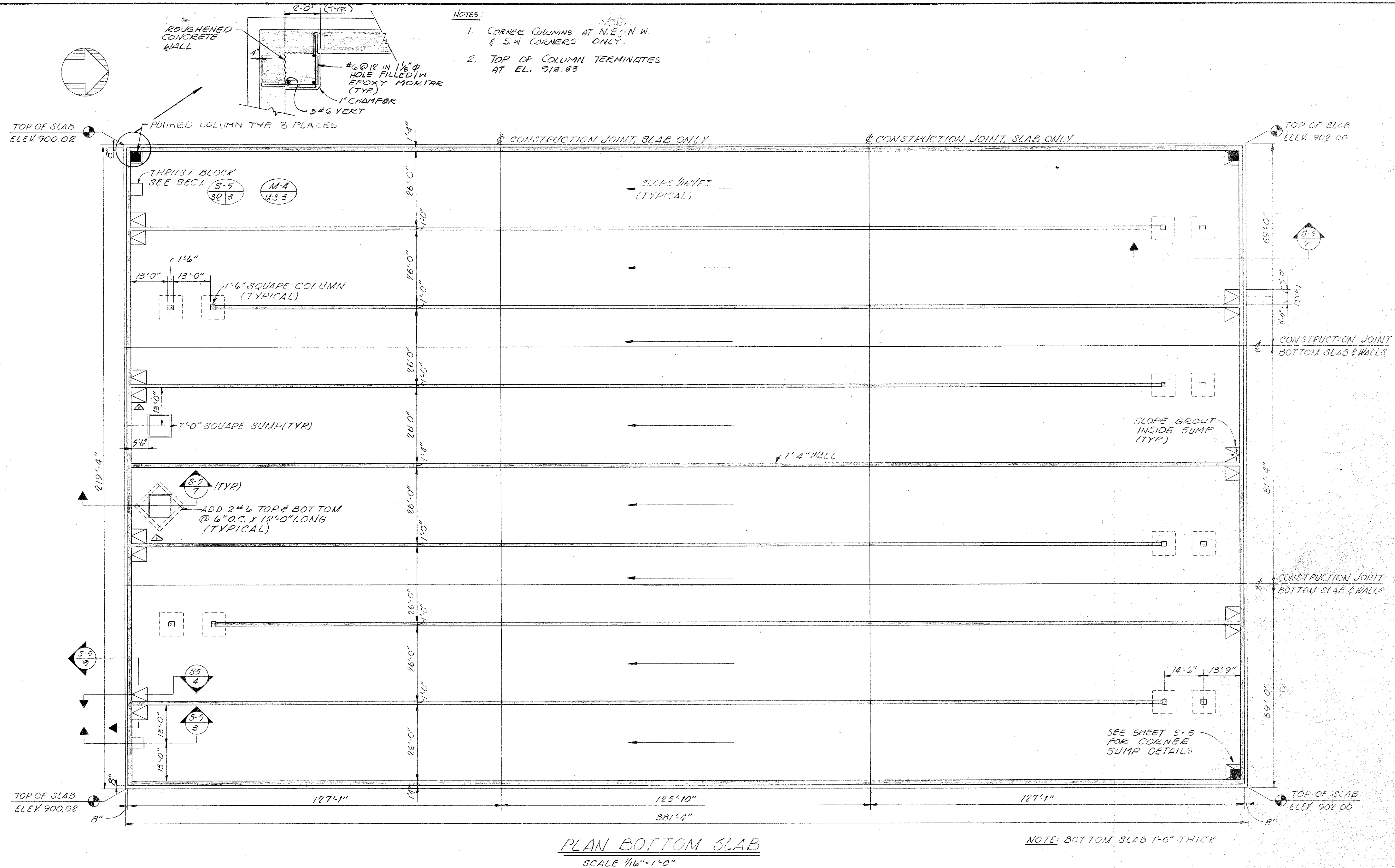
CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR	
APPROVED BY: <i>[Signature]</i> DATE: 3-15-79	

CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION	
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MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA	
DESIGNED BY: H.R.O. CHECKED BY: S.E.M. DATE: AUG. 1979	
DRAWN BY: E.L. SCALE: AS SHOWN PROJ. NO. 7733-1 SHEET NO. 31 OF 62	


GENERAL NOTES

(S-1)

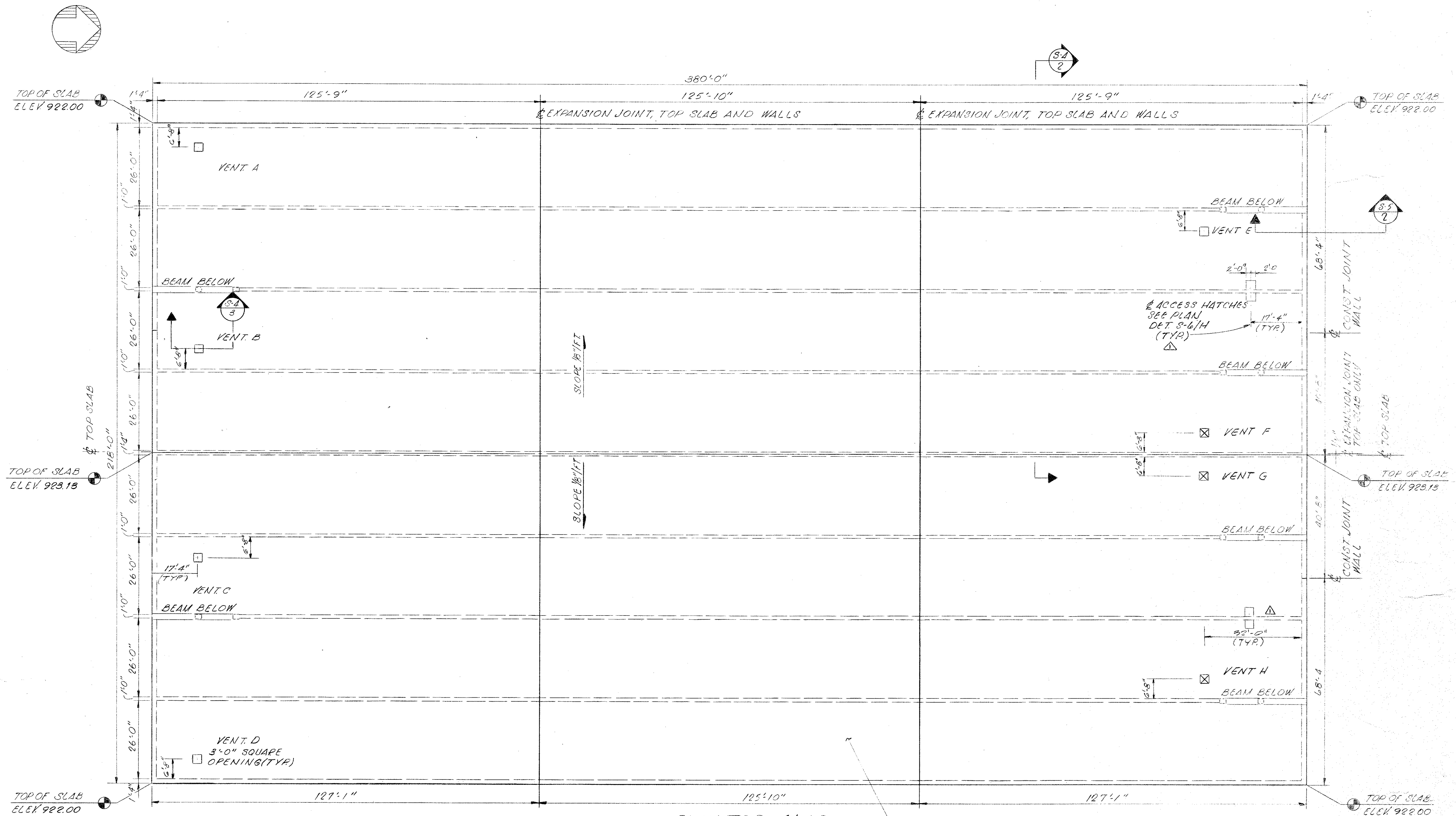


AS BUILT

8/16/82

PRE-BID REVISIONS NO. DESCRIPTION REVISIONS		FWS F&A 7/79 BY FIRM DATE SUBMITTAL BUREAU OF WATER APPROVAL	CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i> REG. ENGR. GA. NO. 11594 DATE 1-29-79 MADISON-MADISON INTERNATIONAL / FLOOD & ASSOCIATES, INC.	CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: 3-15-79	 CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION	MADISON-MADISON INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA DESIGNED BY: H.R.O. CHECKED BY: S.E.M. DATE: AUG. 1979 DRAWN BY: E.L. SCALE: AS SHOWN	RESERVOIR BOTTOM SLAB PLAN PROJ. NO. 7733-1 SHEET NO. 32 OF 62
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S-2



PLAN TOP SLAB
SCALE: 1/16" = 1'-0"

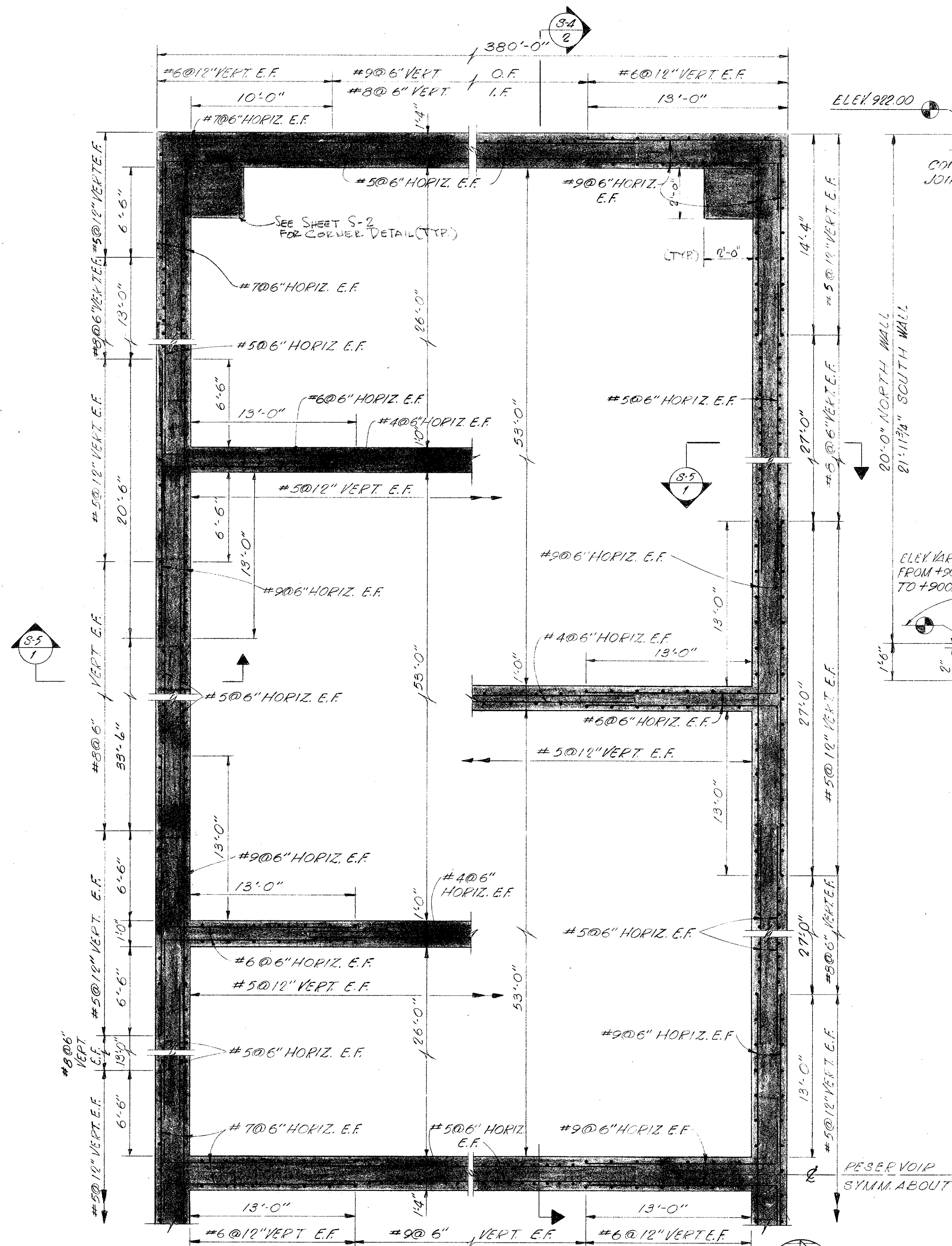
NOTE: COMPOSITE DECK CONSIST OF
A 10" POURED IN PLACE CONCRETE
SLAB OVER 4" THICK PRECAST
PRESTRESSED CONCRETE RIB SLABS

AS BUILT

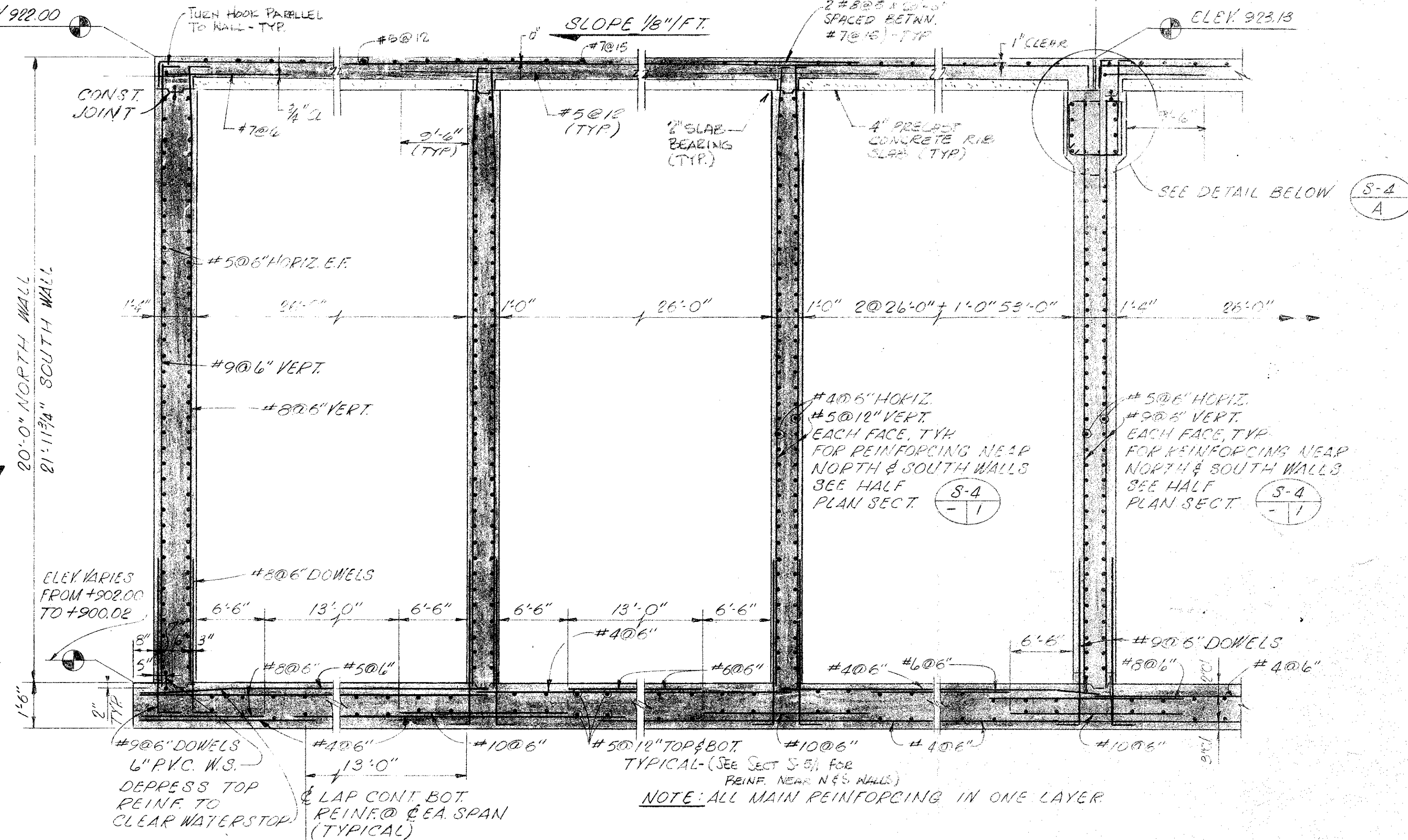
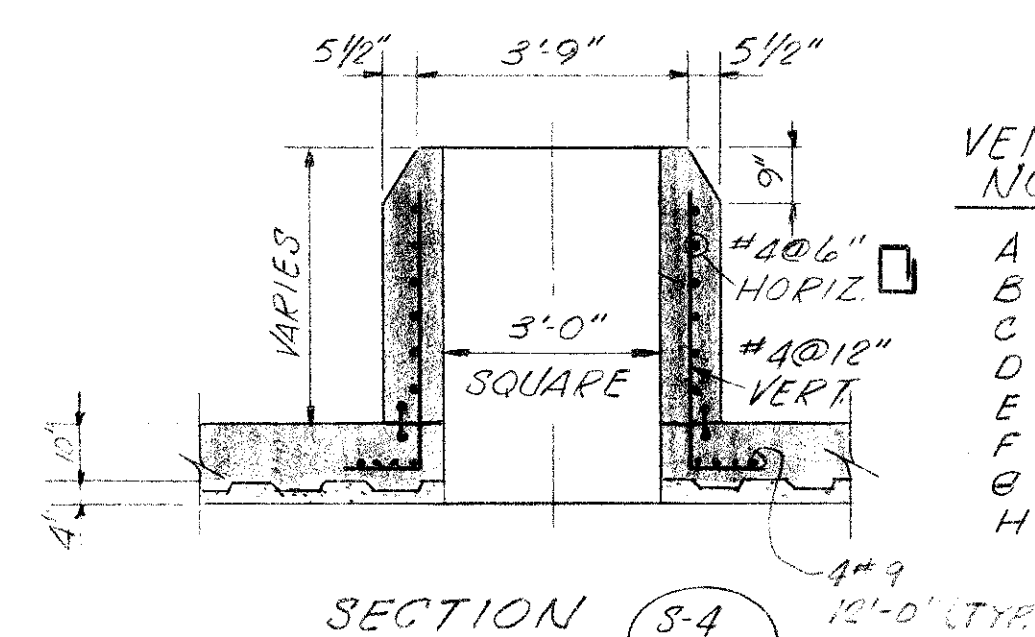
8/16/82

S-3

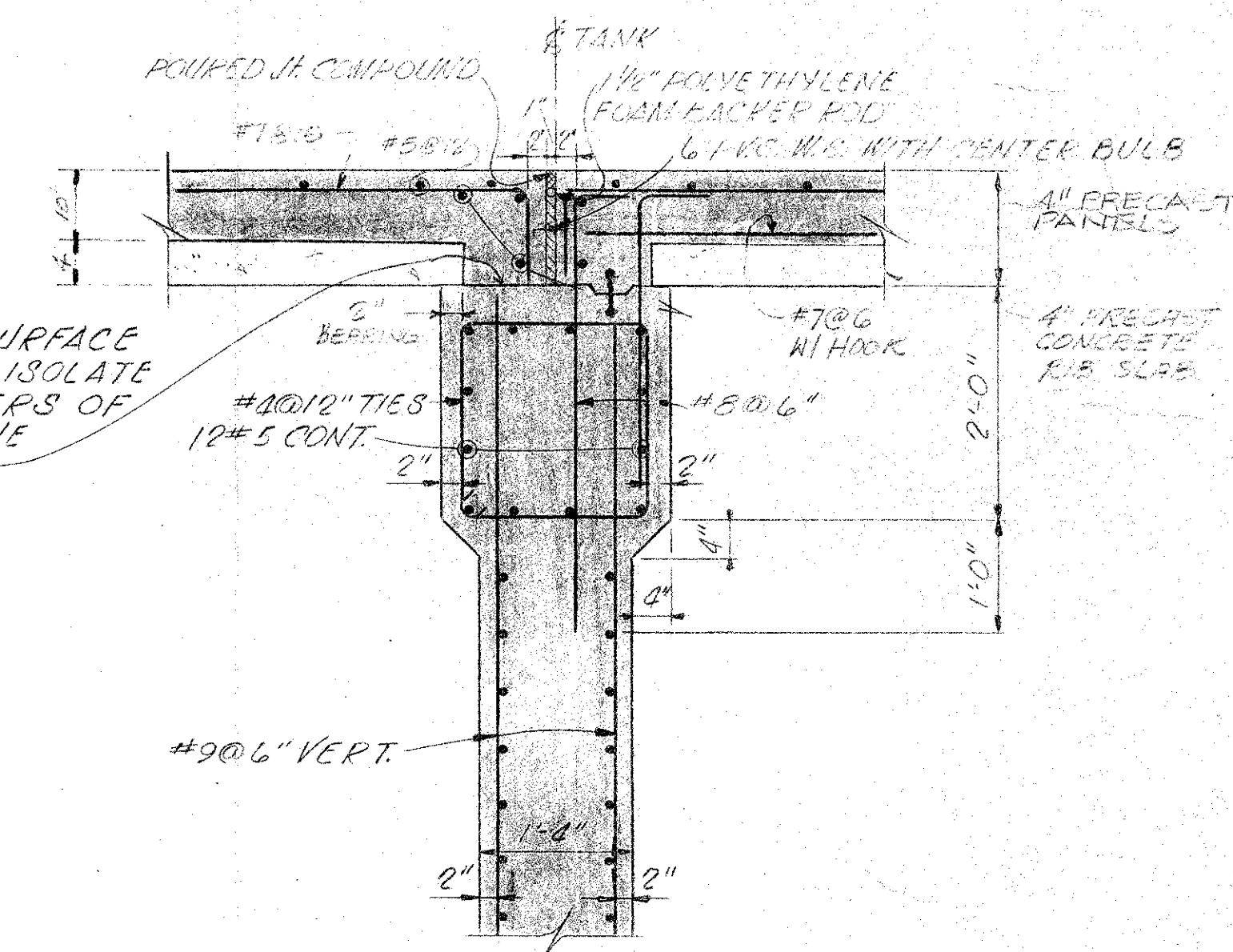
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PRE-BID REVISIONS NO. DESCRIPTION BY FIRM DATE BY DATE				FWS F&A 7/79 SUBMITTAL BUREAU OF WATER APPROVAL															



ELEV 922.00

20'-0" NORTH WALL
21'-11 3/4" SOUTH WALLRESERVOIR
SYMM. ABOUTSECTION S-4
TYPICAL S-32
SCALE: 3/8"=1'-0"SECTION S-4
TYPICAL AT VENT
OPENINGS ALSO SEE
SECTION M-4
SCALE: 3/8"=1'-0"STEEL TROWEL TOP SURFACE
TO SMOOTH FINISH. ISOLATE
TOP POOR BY 2 LAYERS OF
20 MIL. POLYETHYLENE
SHEETS.

VENT NO.	CURB HGT.
A	2'-10"
B	3'-6"
C	3'-6"
D	2'-10"
E	3'-2"
F	3'-9"
G	3'-9"
H	3'-0"

DETAIL S-4
SCALE: 3/4"=1'-0"

AS BUILT

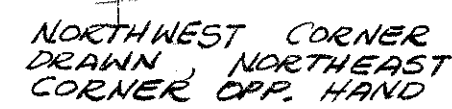
8/16/82

HALF PLAN SECTION S-4

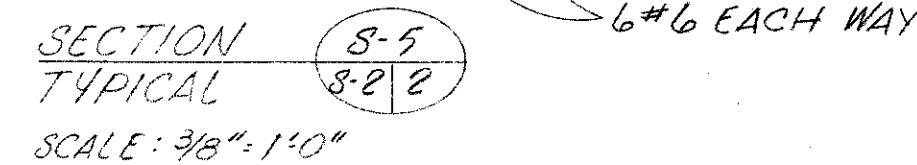
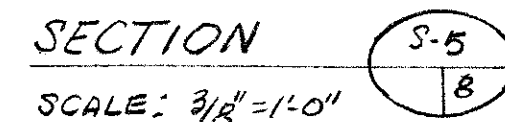
SCALE: 3/8"=1'-0"

CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i> REG. ENGR. GA. NO. 11594 DATE 1-29-79				CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: 3-15-79				CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA DESIGNED BY: H.R.O. CHECKED BY: S.E.M. DATE: AUG. 1979 DRAWN BY: E.L. SCALE: AS SHOWN				RESERVOIR SECTIONS PROJ. NO. 7733-1 SHEET NO. 34 OF 62			
NO. DESCRIPTION BY FIRM DATE BY DATE REVISIONS SUBMITTAL BUREAU OF WATER APPROVAL																			

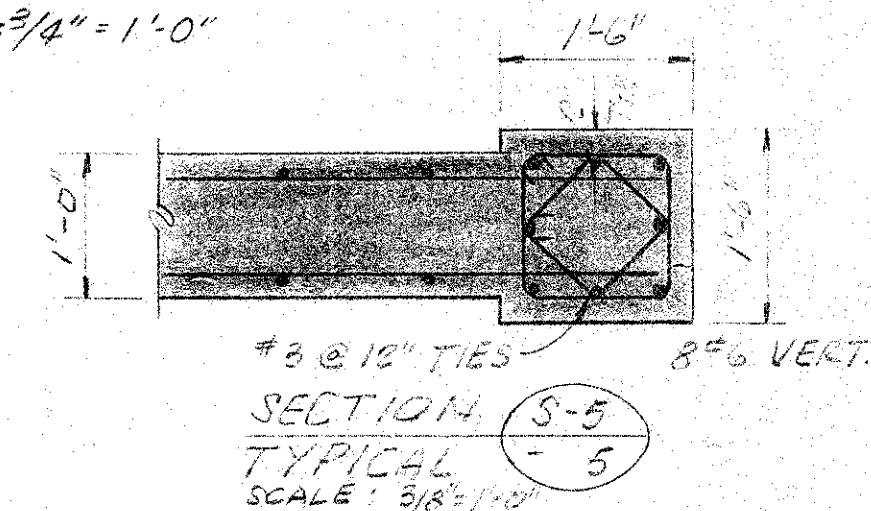
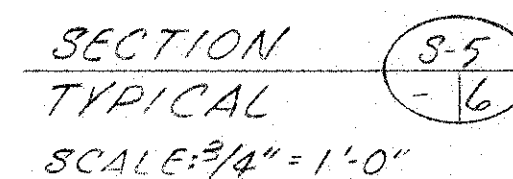
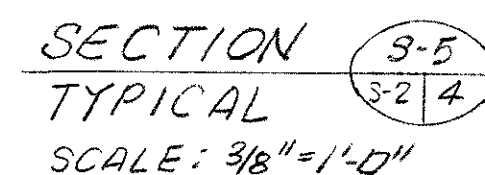
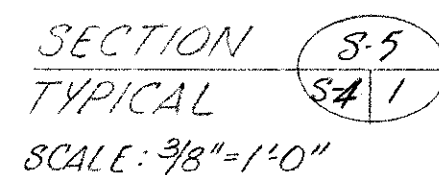
S-4



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



BLOCK OUT WALL POUR TO
PROVIDE SLOT FOR BEAM.
KEY AND WATERSTOP
EXTENDS UP SIDES OF
BEAM TO CONST JOINT AT
SOFFIT OF SLAB.



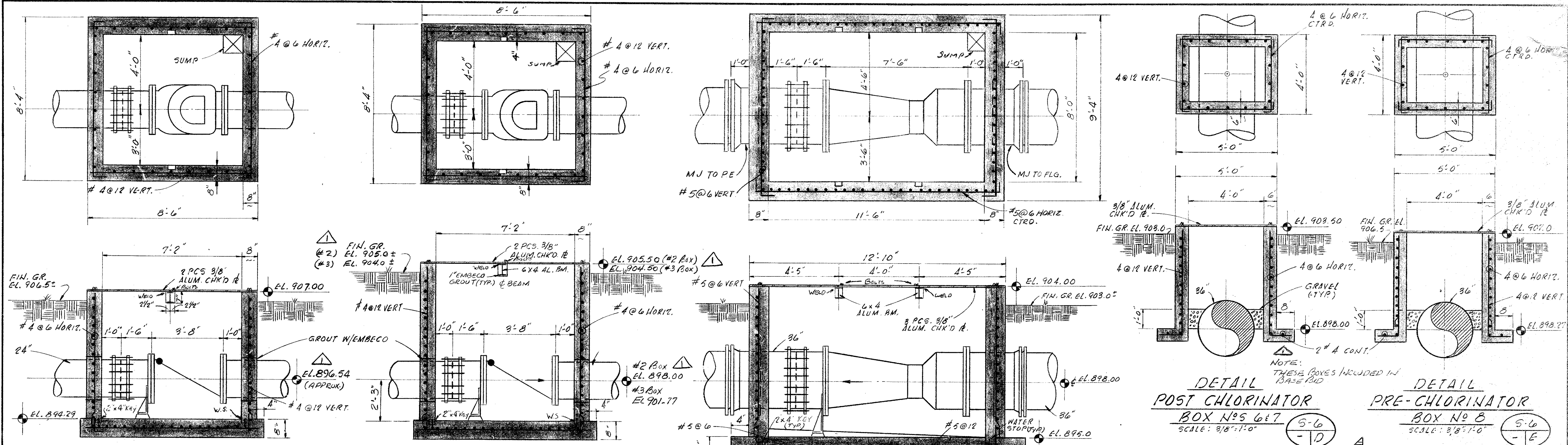
S-5)

8/16/82

CONSULTING ENGINEERS
SUBMITTED BY: Donald R. Smith
REG. ENGR. GA. NO. 11594 DATE 1-29-79
MADISON • MADISON • INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA			
DESIGNED BY: H.R.O.	CHECKED BY: S.E.M.	DATE: AUG. 1979	
DRAWN BY: E.L.		SCALE: AS SHOWN	

DESIGNED BY: H. R. O.	CHECKED BY: S. E. M.	DATE: AUG. 1979		
DRAWN BY: E. L.		SCALE: AS SHOWN	PROJ. NO. 7733-1	SHEET NO. 35 OF 62



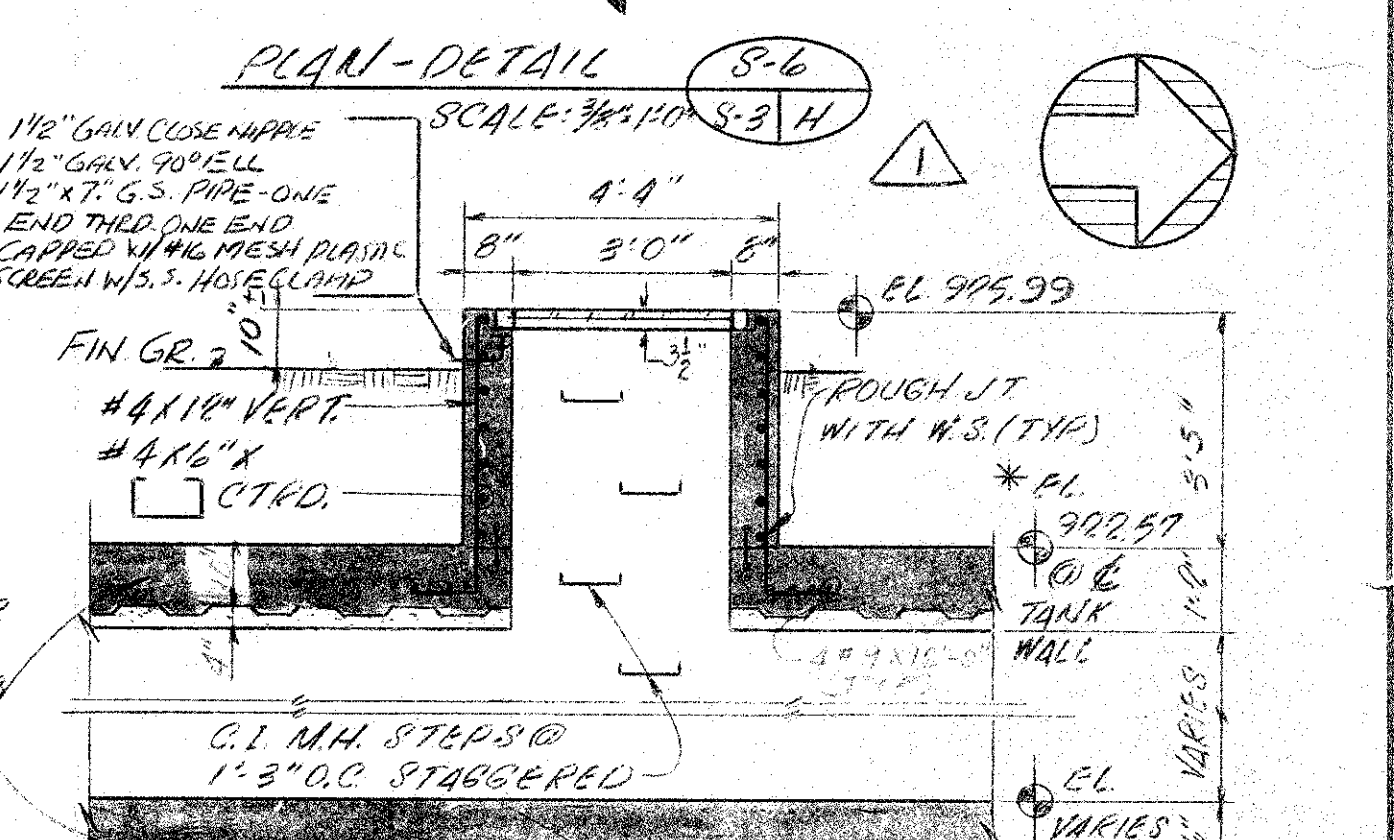
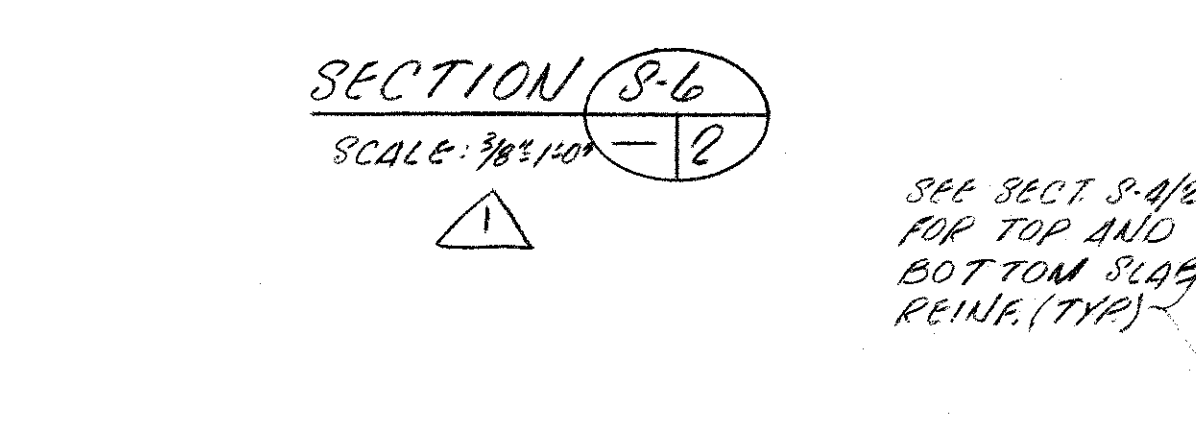
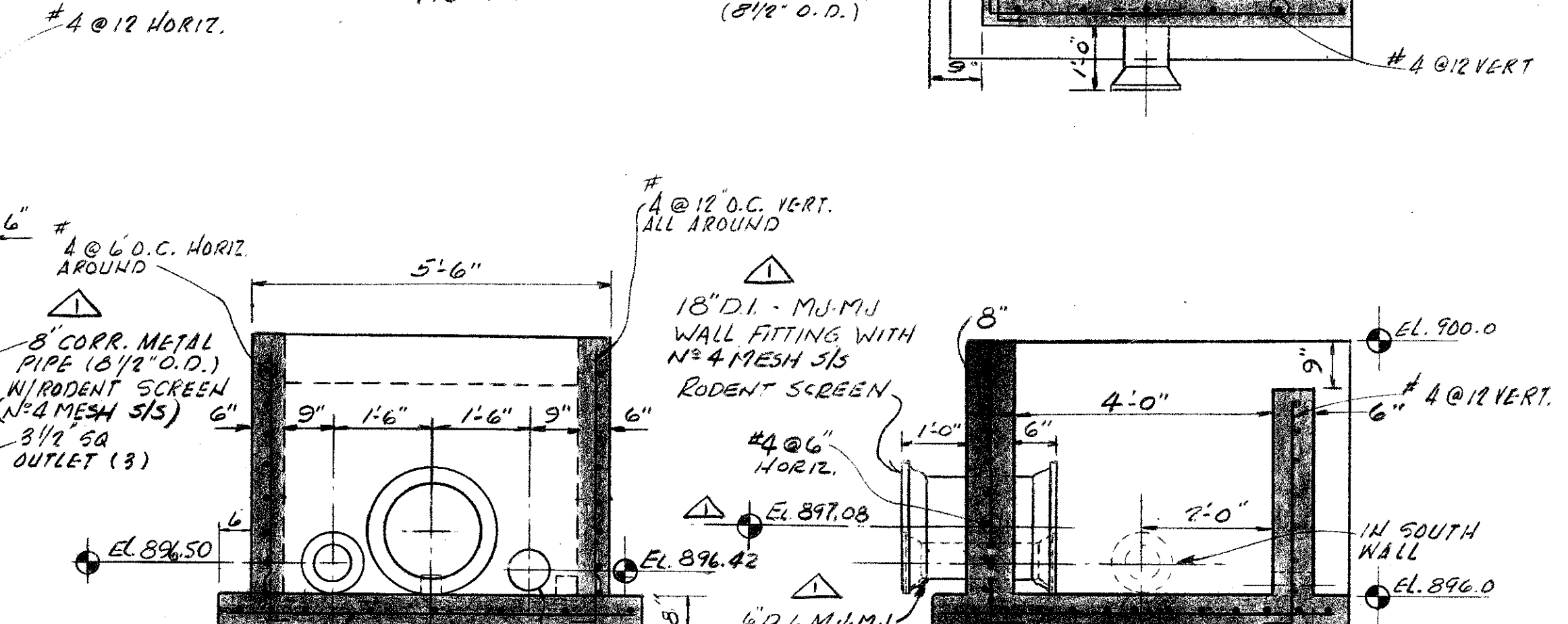
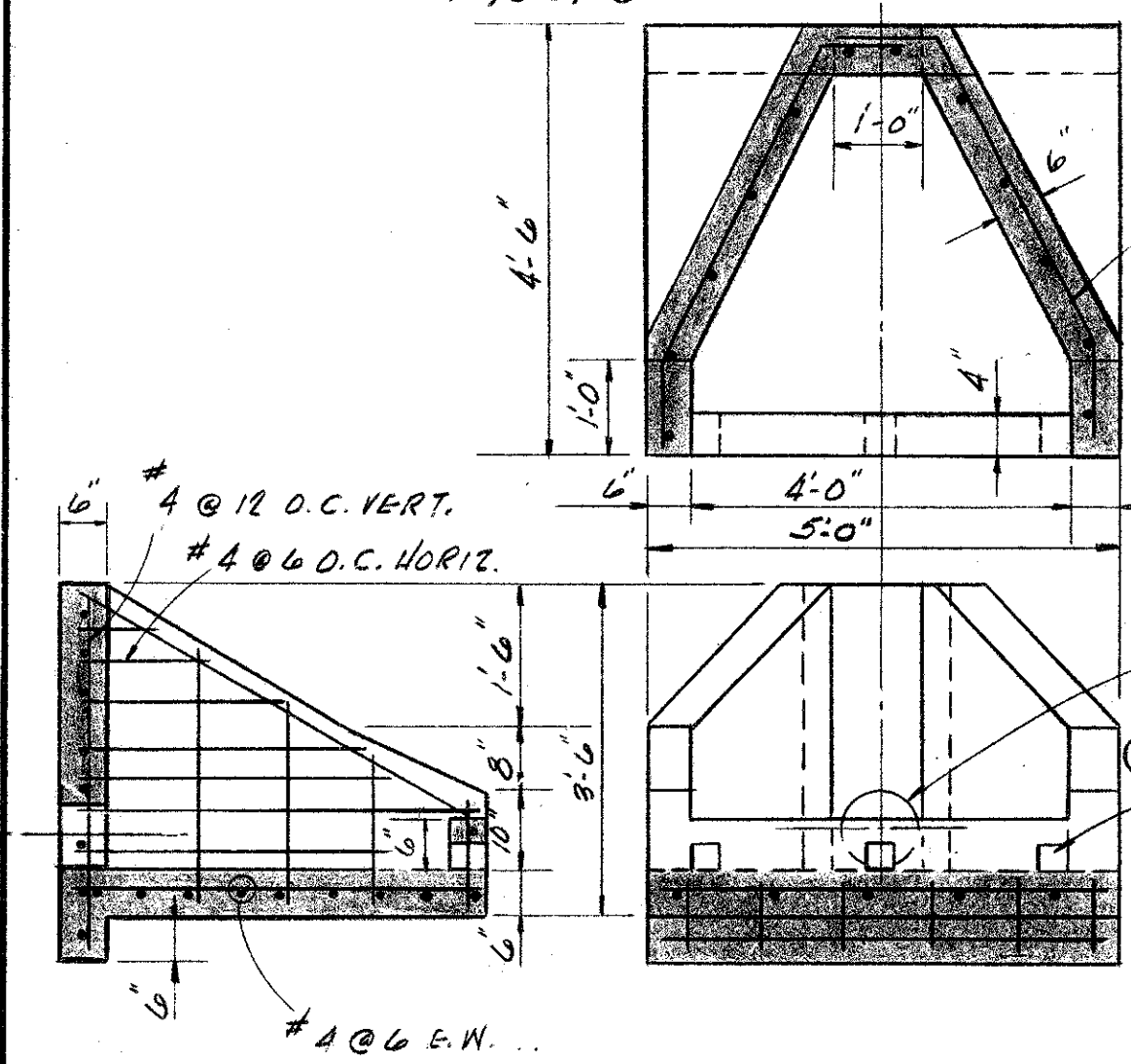
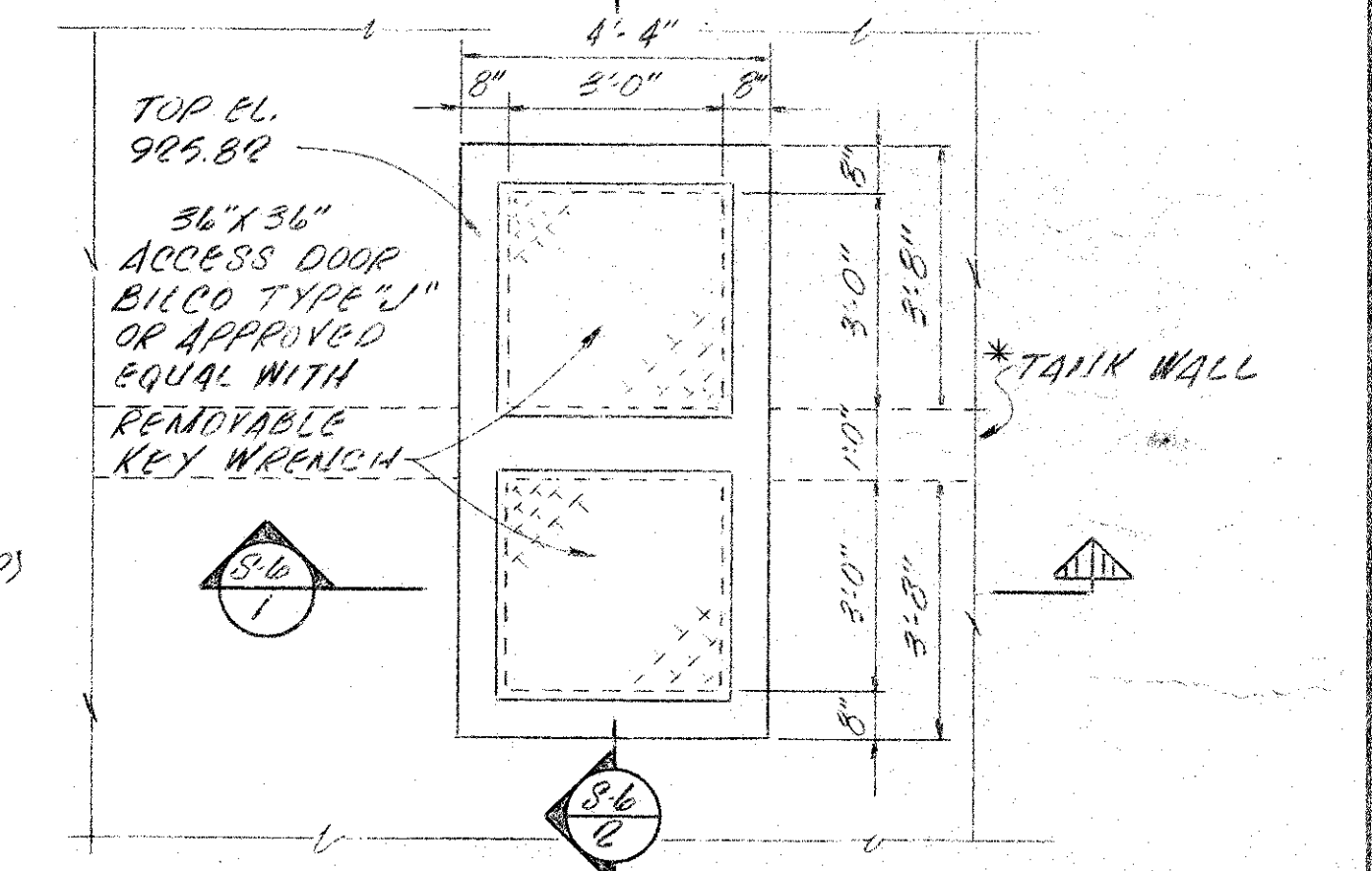
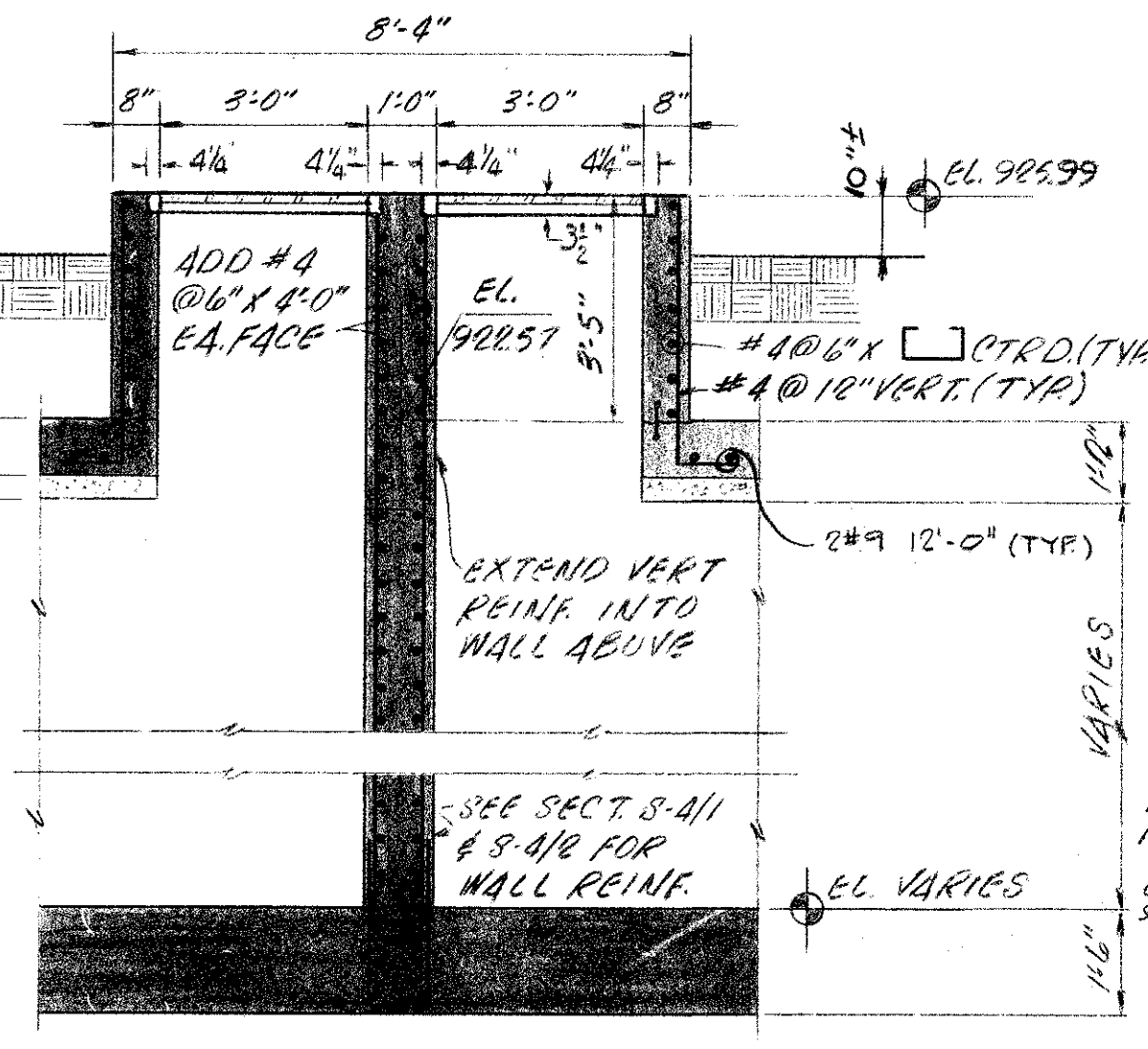
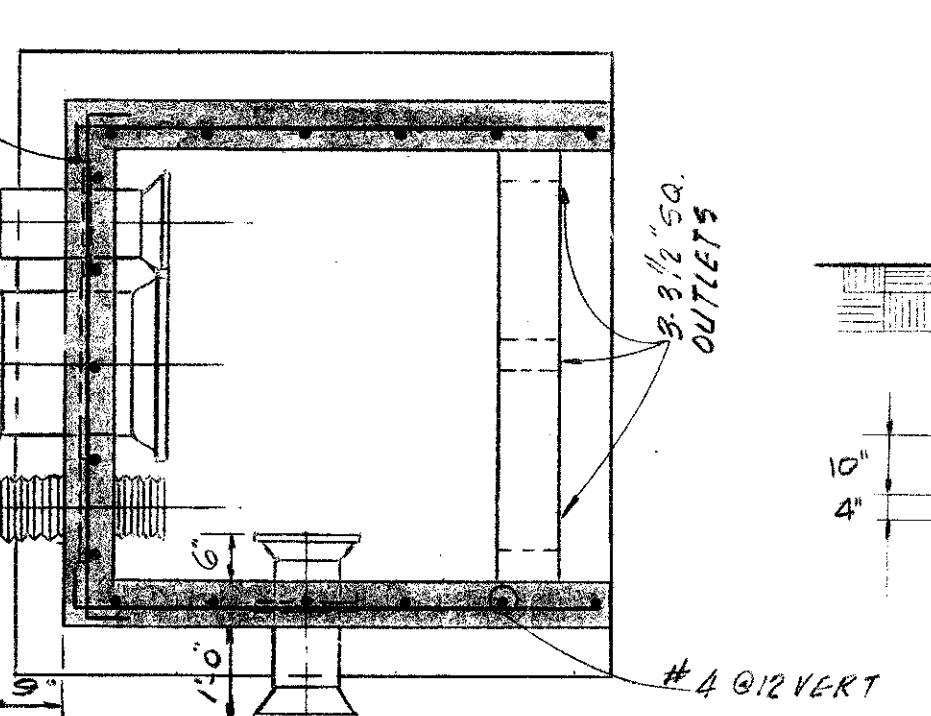
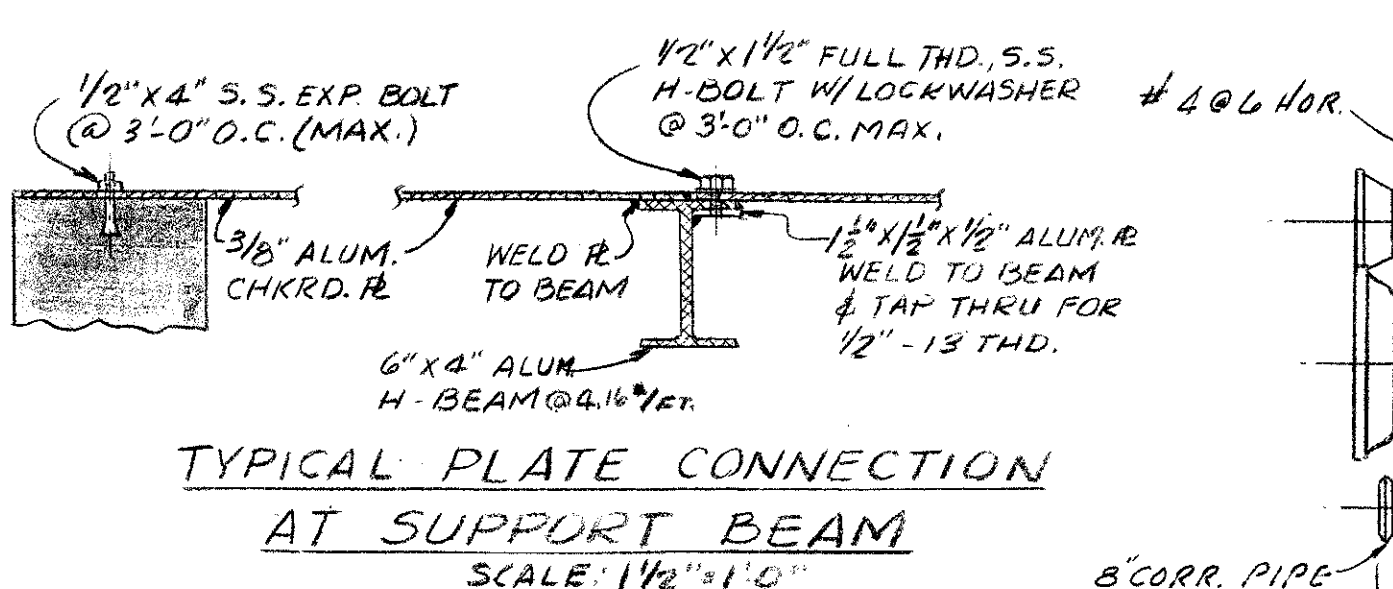
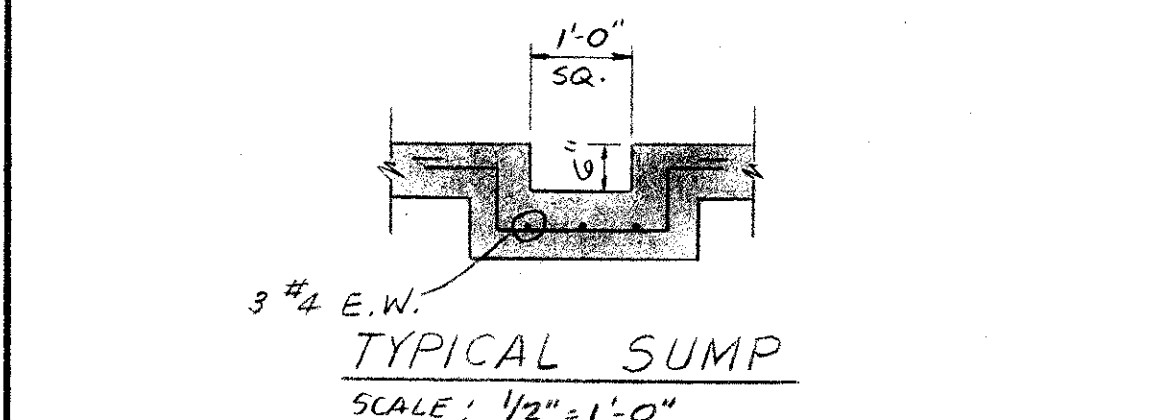
DETAIL-24\"/>

DETAIL-24\"/>

DETAIL-VENTURI BOX NOS 4 & 5
 SCALE: 3/8\"/>

DETAIL POST CHLORINATOR BOX NOS 6 & 7
 SCALE: 3/8\"/>

DETAIL PRE-CHLORINATOR BOX NOS 8
 SCALE: 3/8\"/>



DETAIL RESERVOIR ROOF DRAIN HEADWALL BOX NO 13
 SCALE: 1/2\"/>

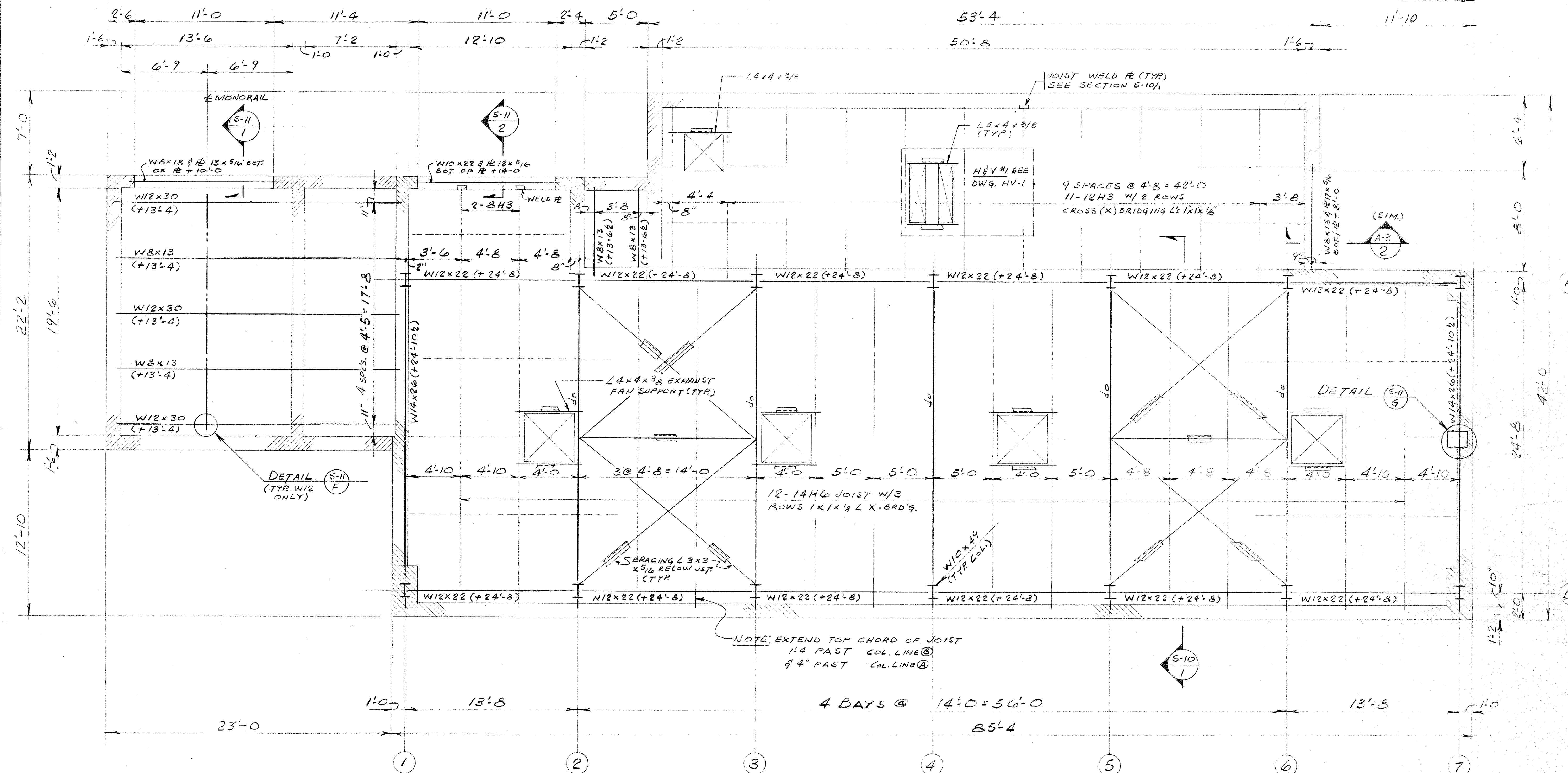
DETAIL-TANK DRAIN & OVERFLOW HEADWALL BOX NO 12
 SCALE: 1/2\"/>

SECTION 8-6
 SCALE: 3/8\"/>

SECTION 8-6
 SCALE: 3/8\"/>

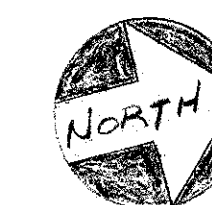
CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i> REG. ENGR. GA. NO. 11594 DATE 1-29-79				CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH JR., DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: 3-5-79				CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA				PUMPING STATION CONCRETE BOX DETAILS			
PRE-BID REVISIONS NO. DESCRIPTION BY FIRM DATE				DESIGNED BY: D.F.R. CHECKED BY: C.V. DATE: AUG. 1979				DRAWN BY: A.J.S. SCALE: AS SHOWN				PROJ. NO. 7733-1 SHEET NO. 36 OF 62				AS BUILT 8/16/82			

11-10



ROOF FRAMING PLAN

ROOF CONSTR: "BOWMAN FM-2" 12"x20 GA, ACOUSTICAL METAL DECK
($S_{MIN.} = 0.262 \text{ IN.}^3$) OR APP. EQUAL WELDED TO SUPPORTING STEEL.
TOP OF STEEL NOTED (+0.0) REFERENCED TO FIN. FIRST FL. EL. 908.00'
BRIDGING LINES ARE NOTED THUS-----
SEE MECH. & ARCH. DWGS FOR OPENINGS NOT SHOWN



AS BUILT

8|16|82

Not a student

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN C. MADISON
REG. ENGR. GA. NO. 10072 DATE 1-29-79
MADISON · MADISON · INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA
BUREAU OF WATER
E. STALLWORTH, JR., DIRECTOR
RECEIVED BY: *[Signature]*
DATE: 3-15-79

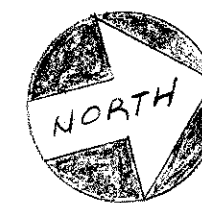
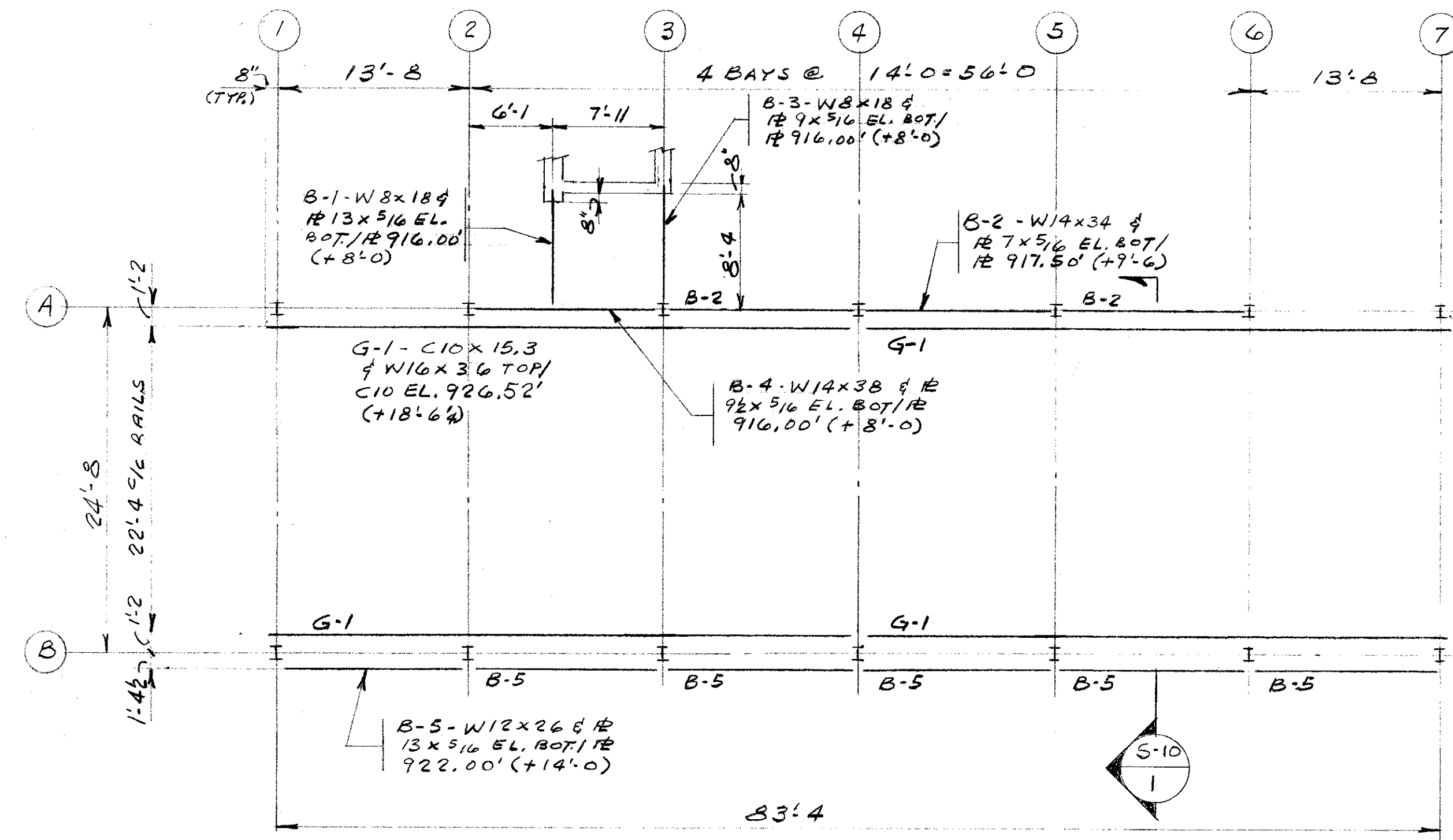


CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

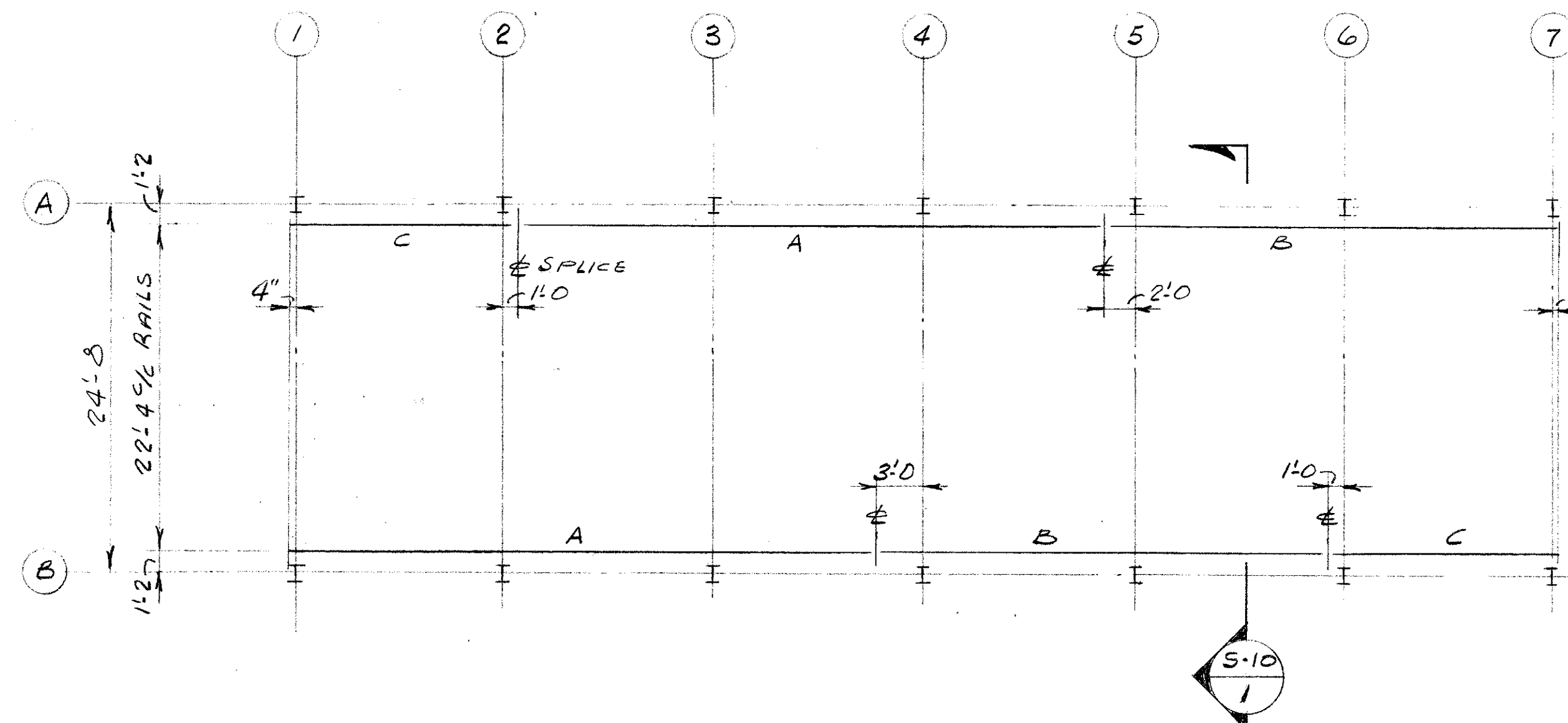
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA		
DESIGNED BY: K.K.S. DRAWN BY: R.I.B.	CHECKED BY: K.K.S.	DATE: AUG. 1979 SCALE: 1/4" = 1'-0"

ROOF FRAMING PLAN

PROJ. NO. 7749-02 SHEET NO. 39 OF 62



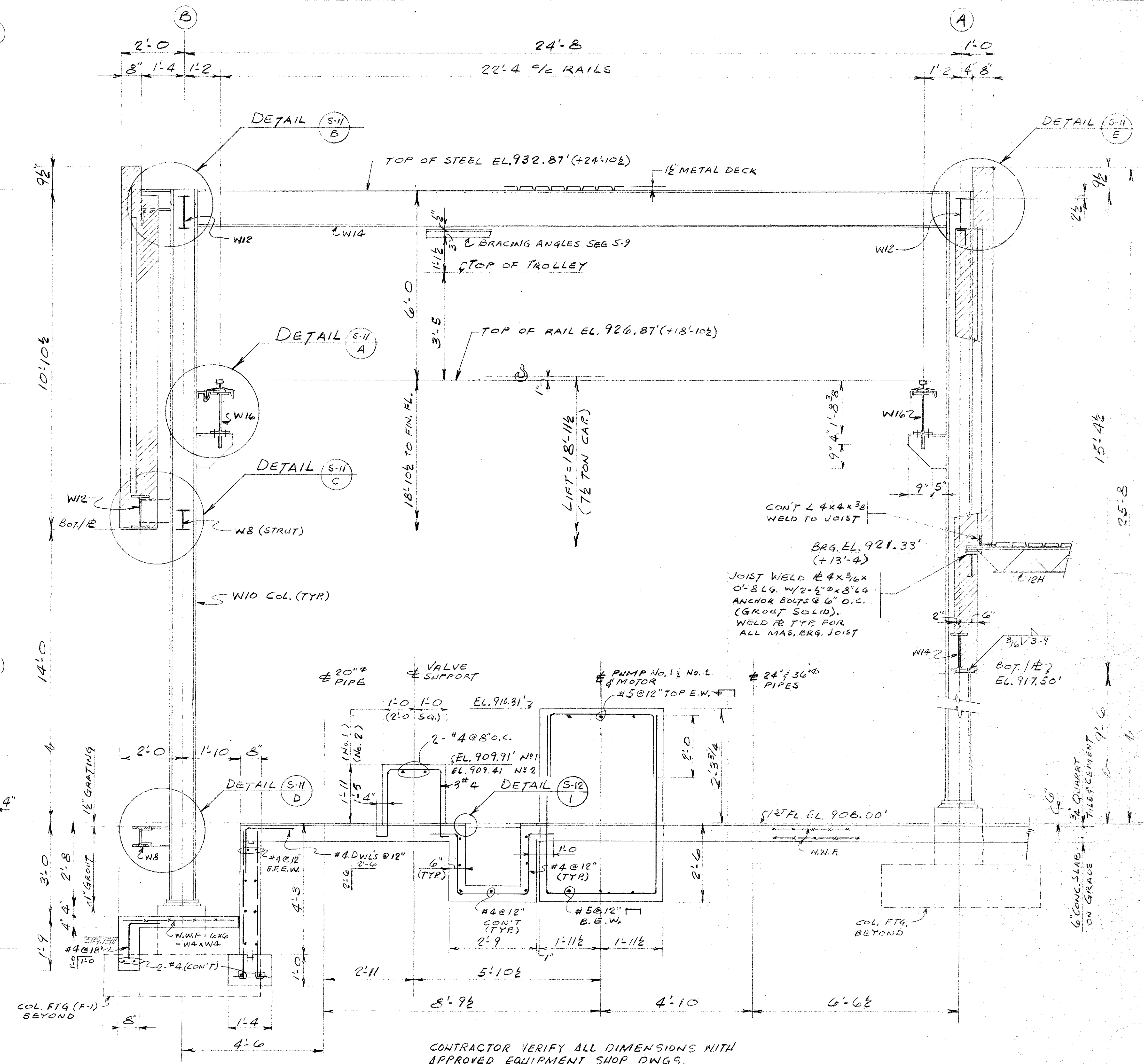
CRANE GIRDER AND LINTEL FRAMING PLAN
SCALE: $\frac{1}{8}'' = 1'-0$



CRANE RAIL PLAN

SCALE: 1" = 1'-0"
RAIL TYPE: A.S.C.E 60#
TOP OF RAIL EL. 926.88' (+18'-102)
RAIL LENGTHS: A - 39'-0"
B - 30'-0"
C - 15'-0"

RAIL SPLICE LOCATION AS SHOWN. SPLICE TO BE BOLTED W/
TIGHT JOINTS ACCORDING TO AISE SPEC'S
PROVIDE APP CRANE STOP AT EACH END RAIL RUN



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

CONTRACTOR VERIFY ALL DIMENSIONS WITH
APPROVED EQUIPMENT SHOP DWGS.

AS BUILT

8/16/82

CONSULTING ENGINEERS
 PREPARED BY: JULIAN C. MADISON

REG. ENGR. GA. NO. 10072 DATE 1-29-79

MADISON · MADISON · INTERNATIONAL
FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA

T.E. STALLWORTH, JR., DIRECTOR

APPROVED BY: [Signature]
DATE: 3-15-79



CITY OF ATLANTA, GEORGIA

DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER

WATER IMPROVEMENT PROGRAM

EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING · ENGINEERING

CONSULTING ENGINEERING
Joint Venture

ATLANTA, GEORGIA

DESIGNED BY: K.K.S.

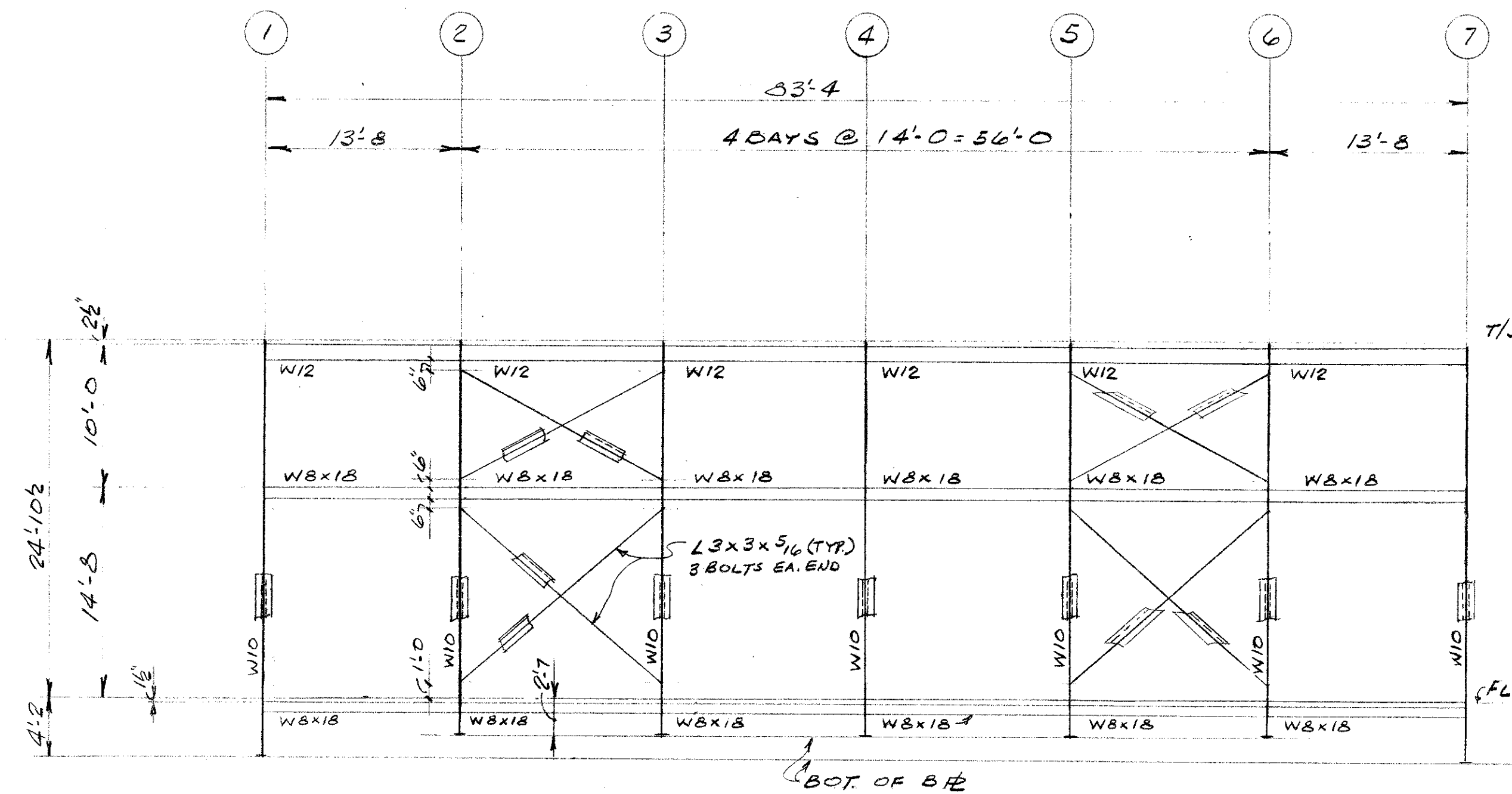
CHECKED BY: K.K.S.

DATE AUG. 1979

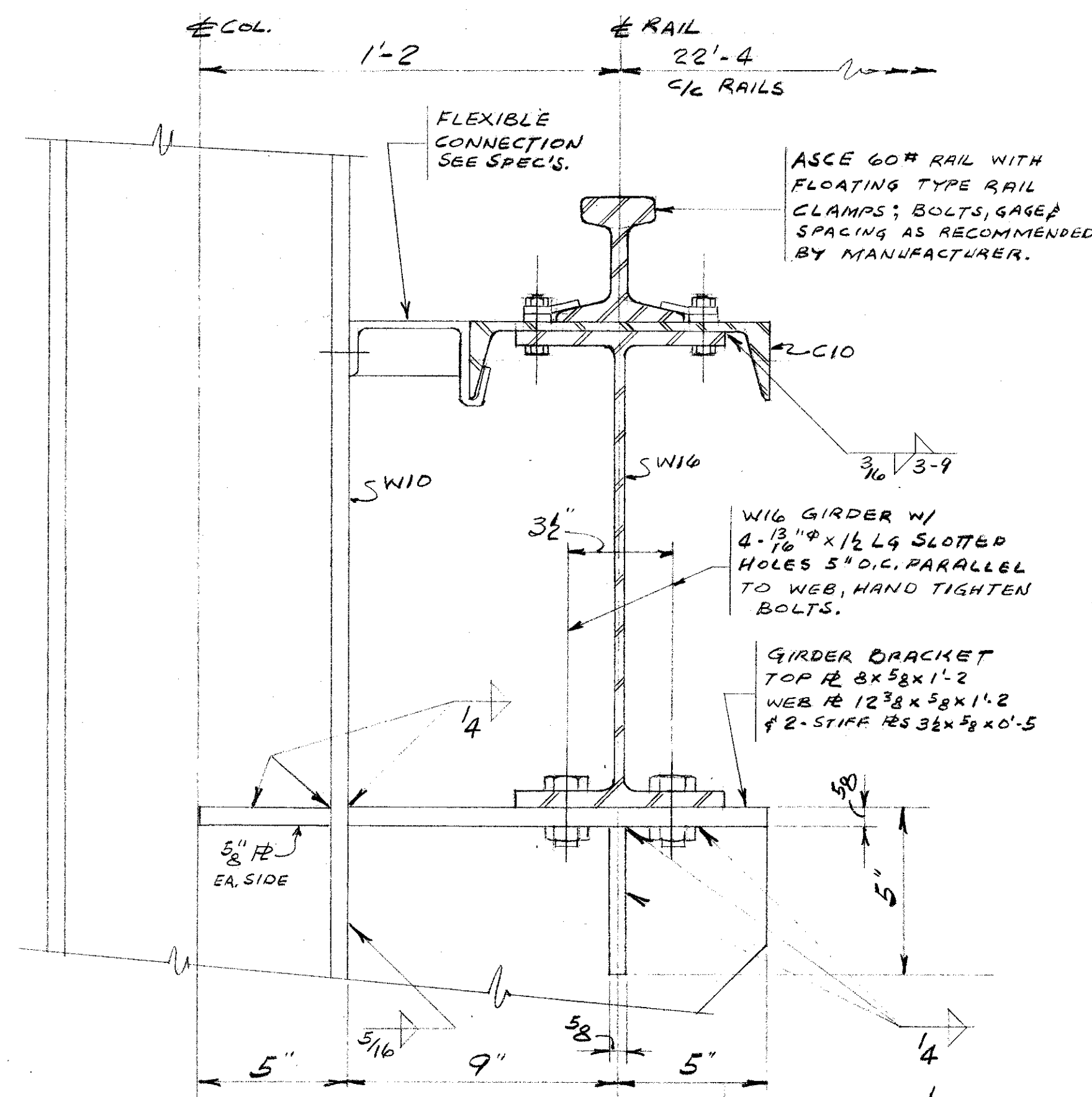
SCALE AS SHOWN

CROSS SECTION
AND
CRANE RAIL PLAN

PROJ. NO. 7749-02 SHEET NO. 40 OF 62



ELEVATION - COLUMN LINE (B) (LOOKING WEST)
SCALE: 1/8" = 1'-0"

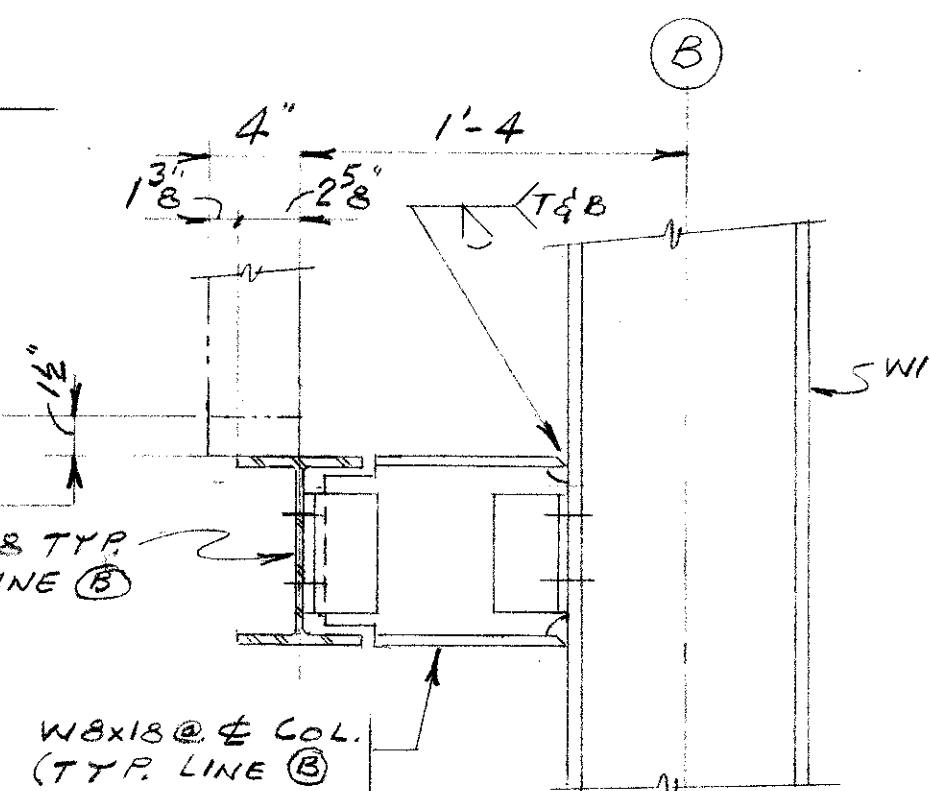


AS BUILT

8/16/82

DETAIL

SCALE: 3"=1'-0"

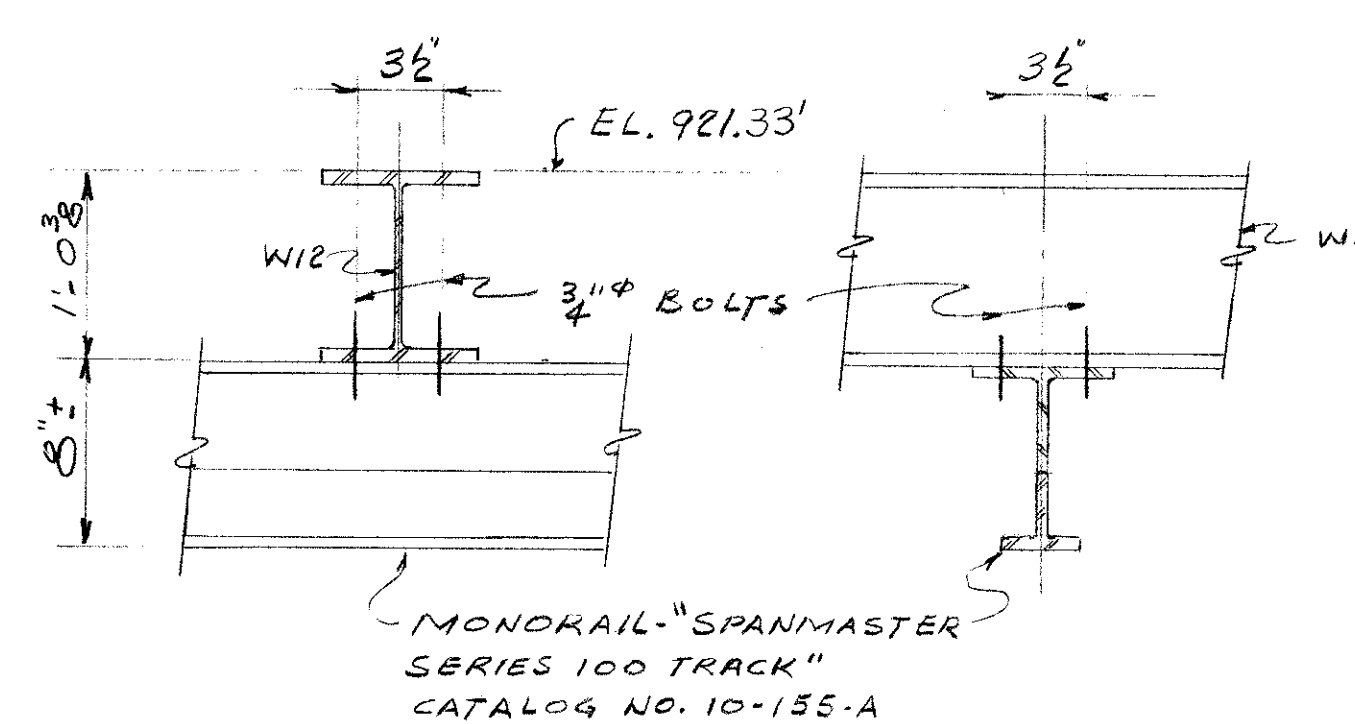


DETAIL

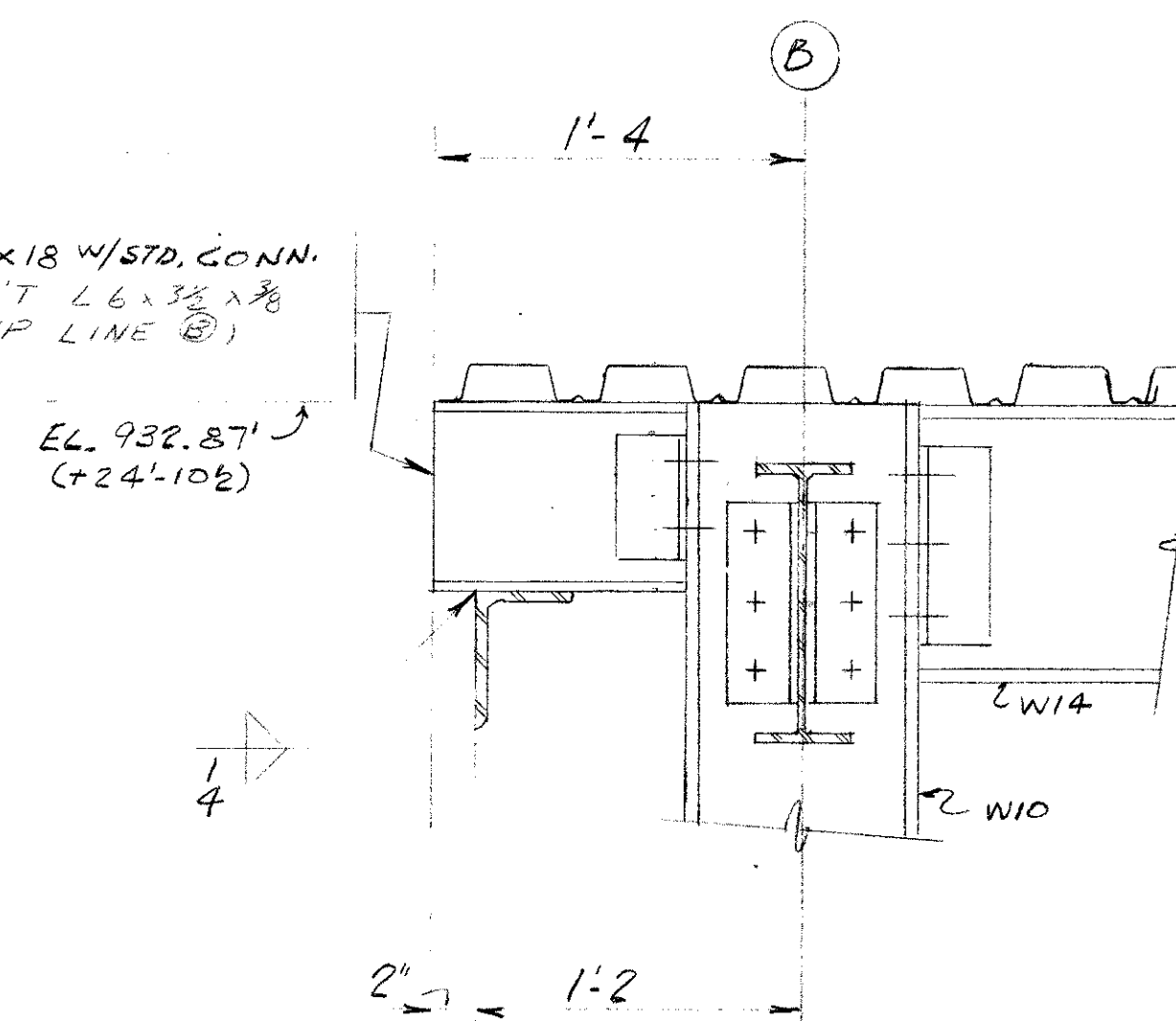
SCALE: $1\frac{1}{2}" = 1'-0"$

S-11

S-10 D



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

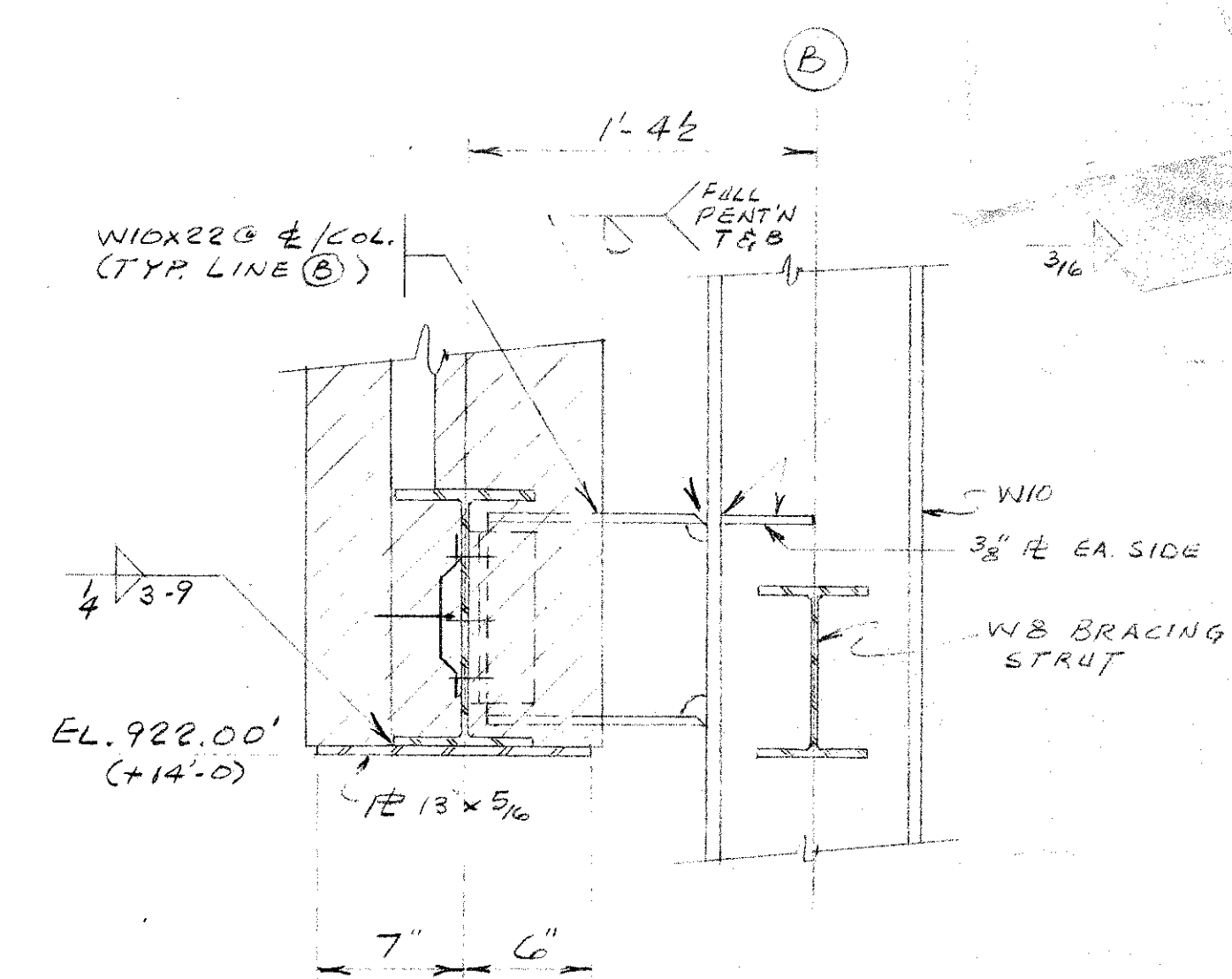


DETAIL

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

S-11

S-10 B

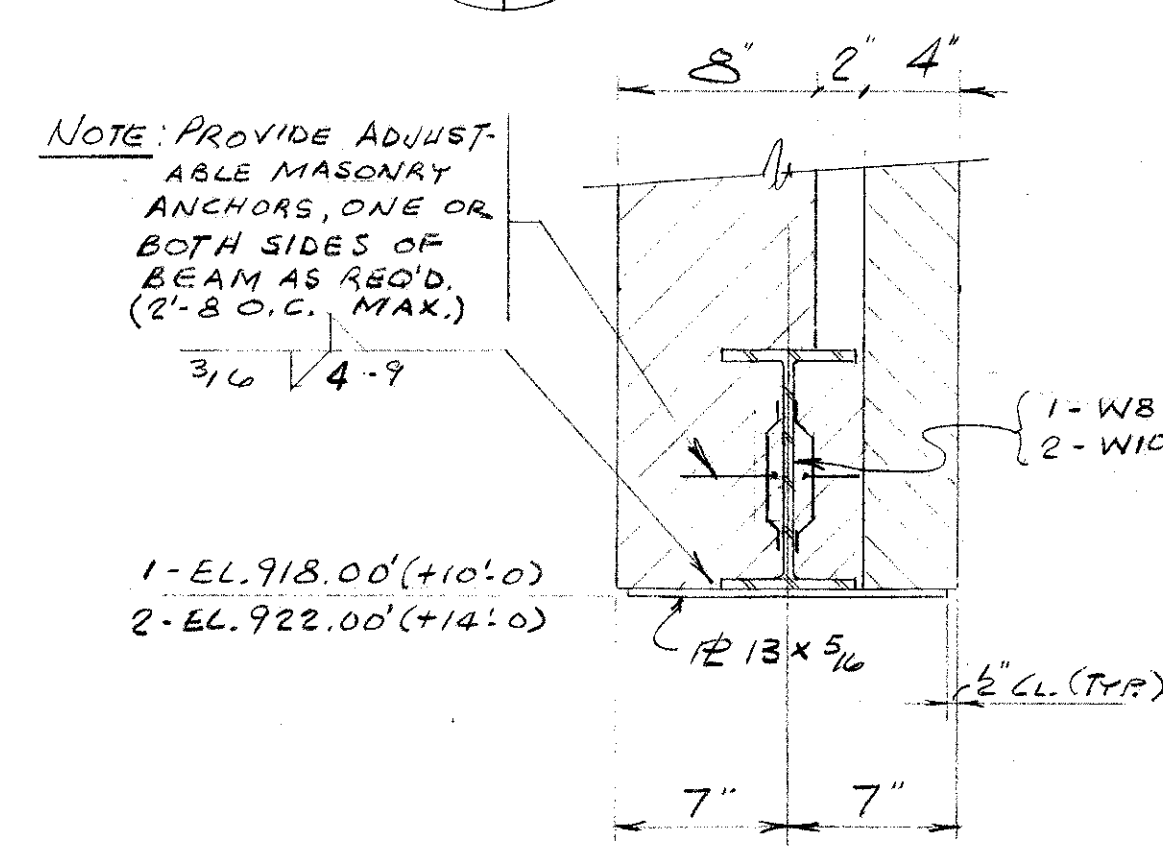


DETAIL

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

S-11

S-10 | C

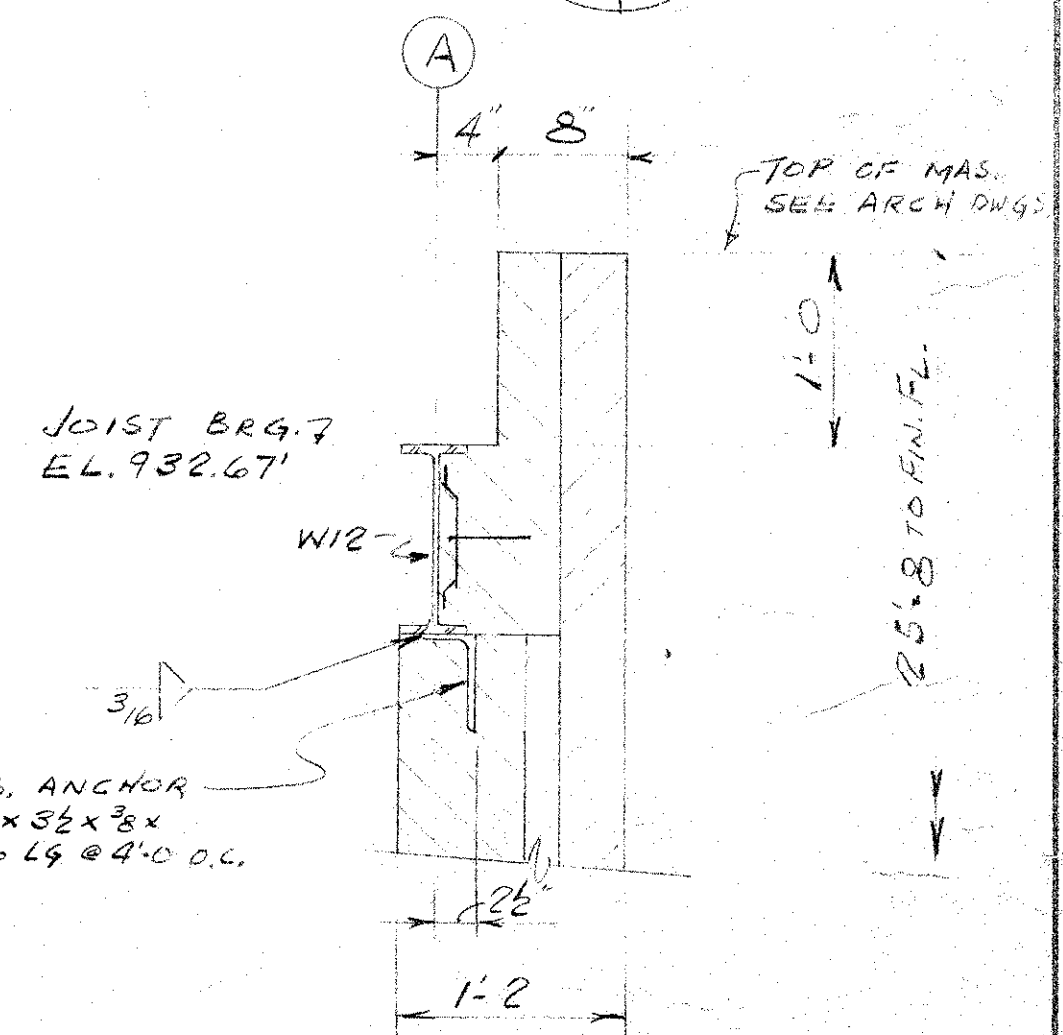


SECTIONS

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

S-11 S-11

S-9 1 S-9 2

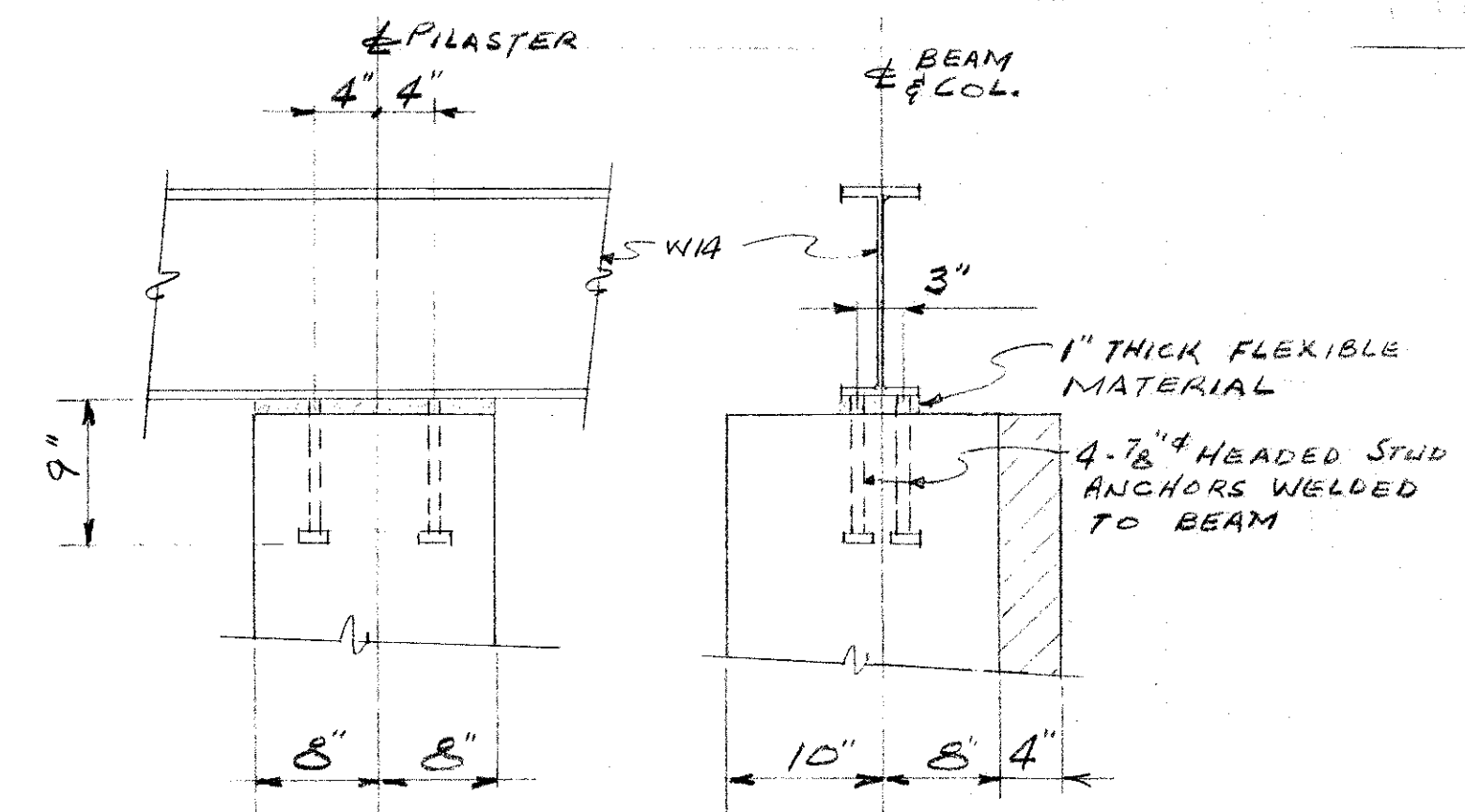


DETAIL

SCALE: 1"=1'-0"

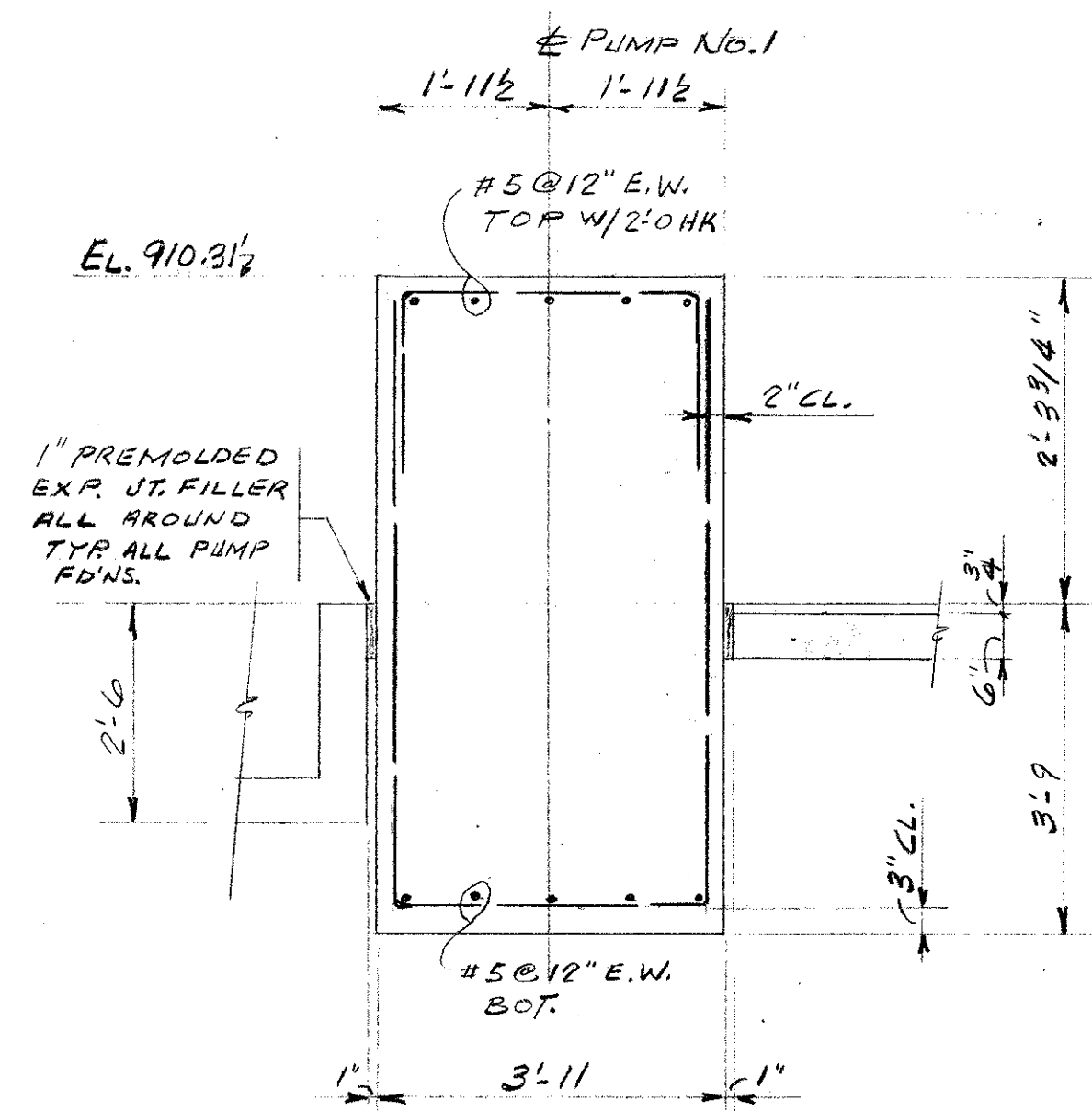
S-11

S-10 E



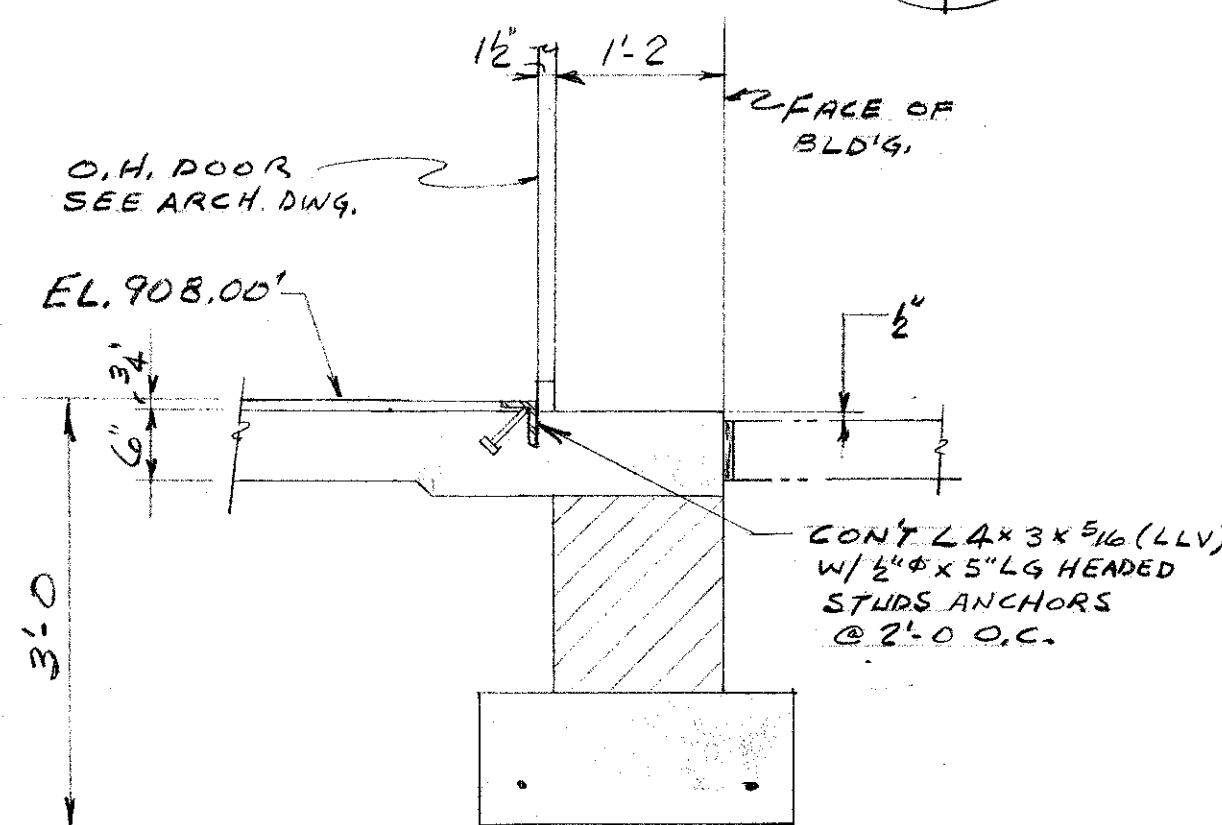
DETAIL
SCALE: 1" = 1'-0"

[illegible]

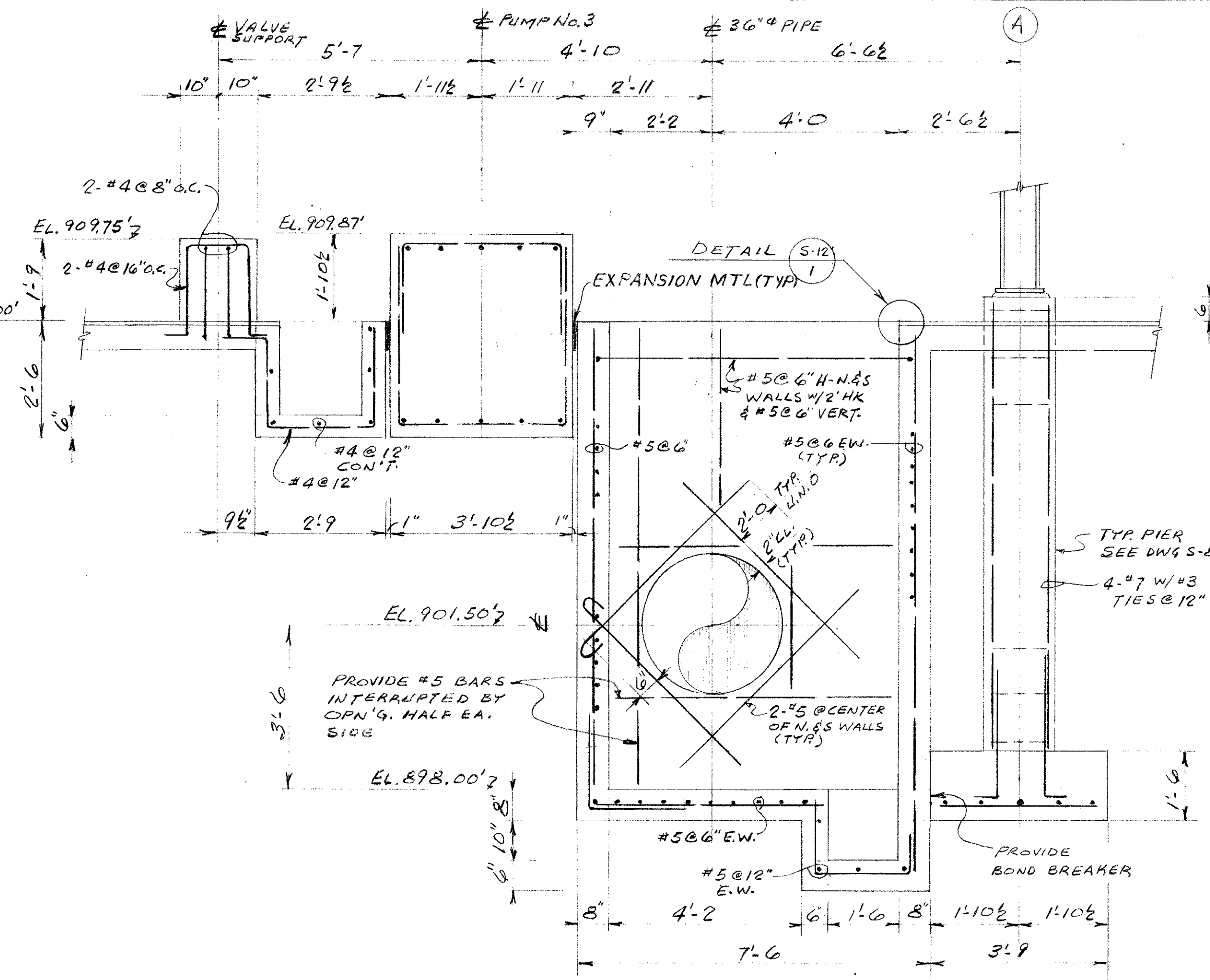


NOTE: REINF SHOWN TYP ALL PUMP FDN'S. D.N.O.

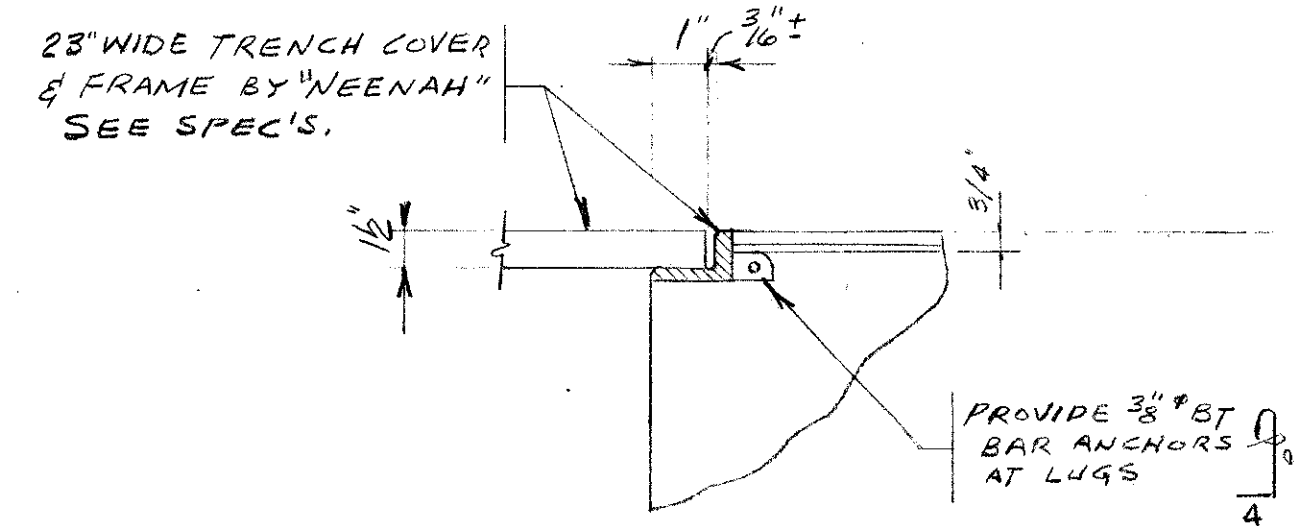
SECTION S-12
5-7 1



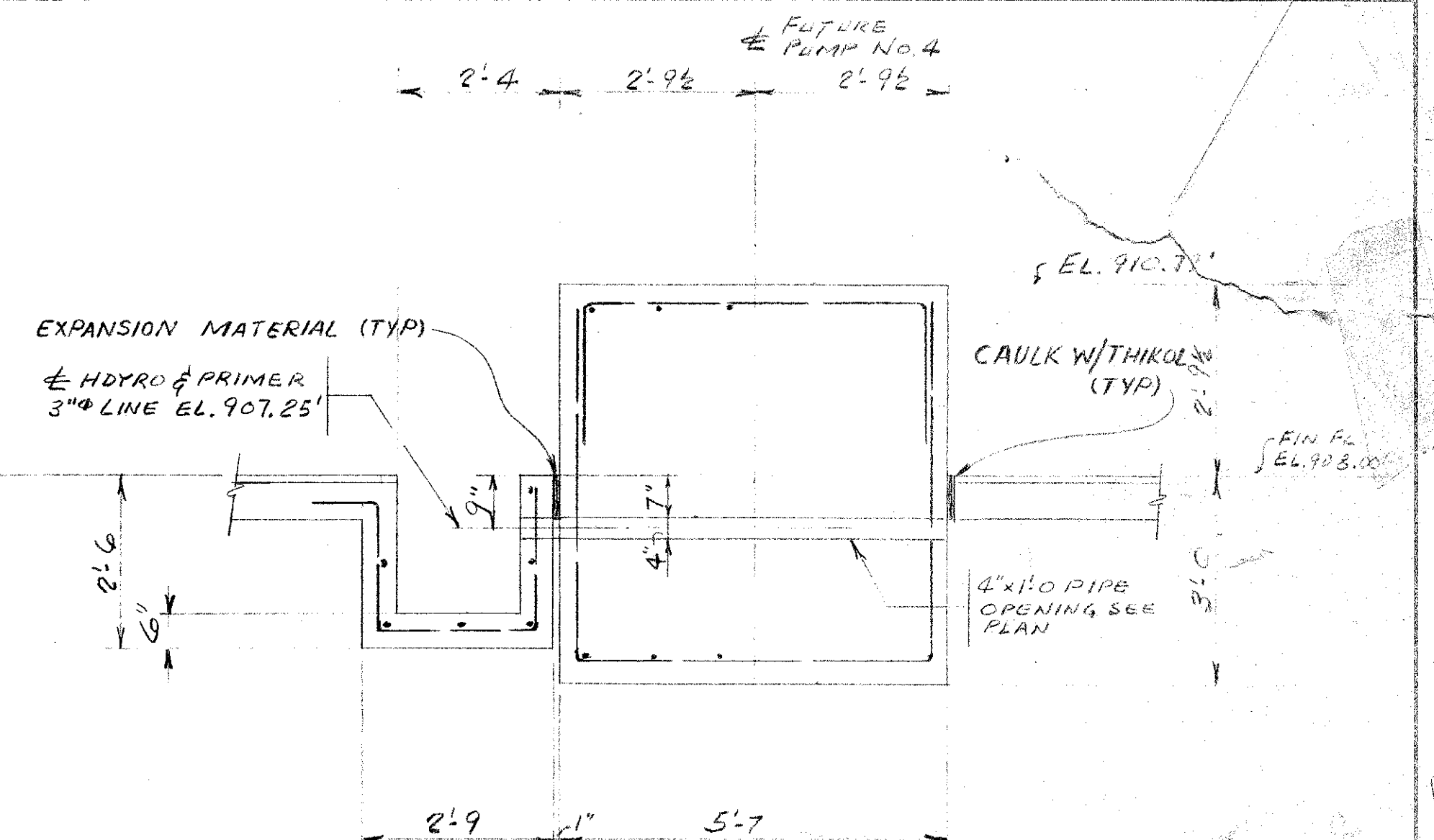
SECTION S-12
5-7 4
SCALE: 3/4\"/>



SECTION S-12
5-7 2



DETAIL S-12
5-10 1
SCALE: 3/4\"/>



SECTION S-12
5-7 3

AS BUILT

8/16/82

NO.	DESCRIPTION	BY	FIRM	DATE	BY	DATE
	REVISIONS					

CONSULTING ENGINEERS SUBMITTED BY: JULIAN C. MADISON REG. ENGR. GA. NO. 10072 DATE 1-29-79	MADISON-MADISON-INTERNATIONAL / FLOOD & ASSOCIATES, INC.
--------------------------------------------------------------------------------------------------	----------------------------------------------------------

CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR APPROVED BY: [Signature] DATE: 3-15-79	[Seal]
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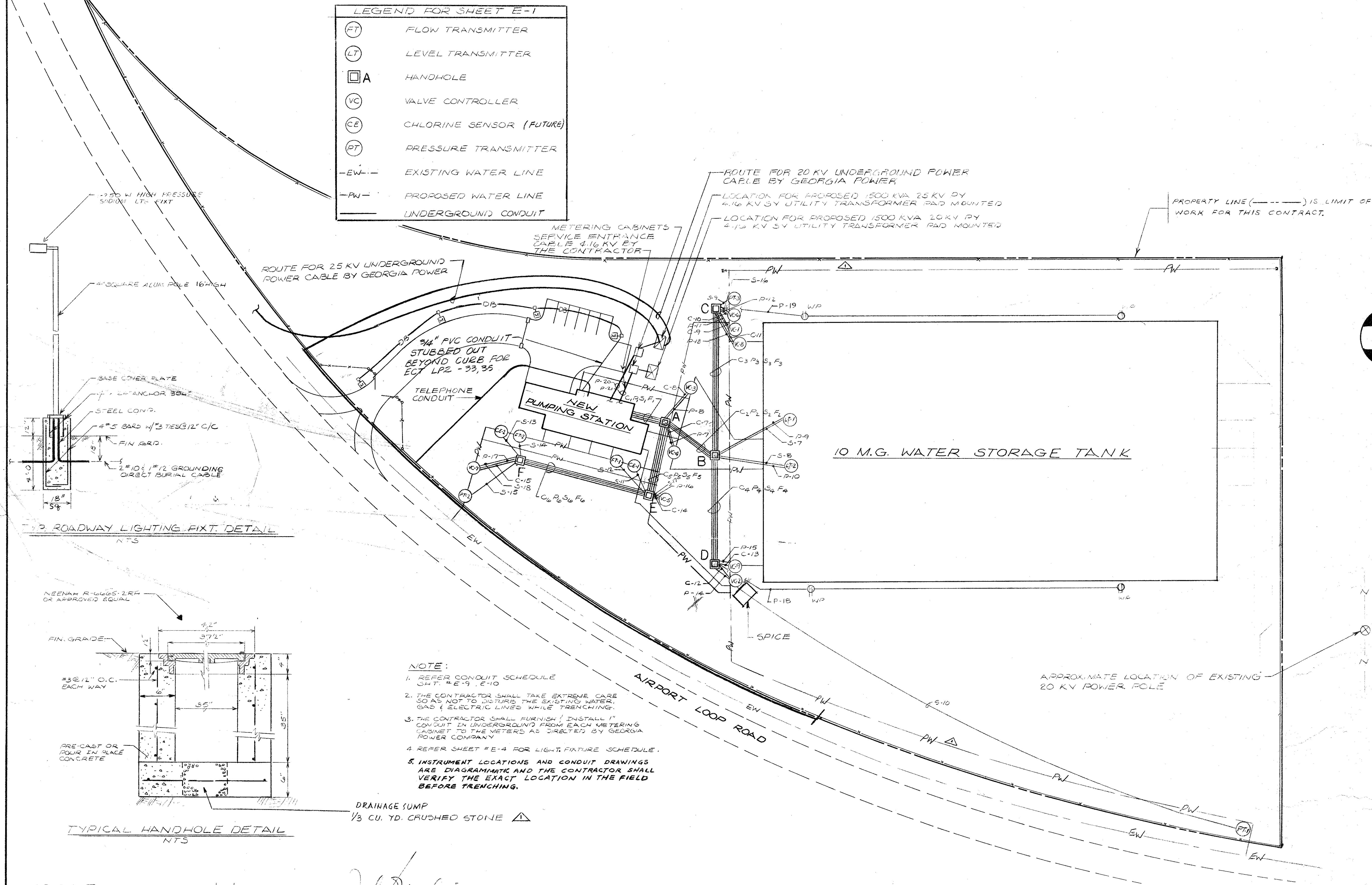


CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION

MADISON-MADISON-INTERNATIONAL / FLOOD & ASSO CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA	DESIGNED BY: K.K.S. CHECKED BY: K.K.S. DATE: [Blank] DRAWN BY: R.I.B. SCALE: 1/1
-------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------

PUMP FOUNDATIONS, SECTIONS AND DETAILS	NO. 7749-02 SHEET NO. 42 OF 62
-------------------------------------------	-----------------------------------

S-12



AS BUILT

8/16/82

John D. Madison

PRE-BID REVISIONS		BY		DATE	
NO.	DESCRIPTION	BY	FIRM	DATE	DATE
	REVISIONS		SUBMITTAL		BUREAU OF WATER APPROVAL

CONSULTING ENGINEERS	
SUBMITTED BY: JUDITH C. MADISON	
REG. ENGR. GA. NO. 10712	DATE FEB. 1979
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.	

CITY OF ATLANTA	
BUREAU OF WATER	
T.E. STALLWORTH, JR., DIRECTOR	
APPROVED BY: <i>[Signature]</i>	DATE: 3-15-79

CITY OF ATLANTA, GEORGIA	
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER	
WATER IMPROVEMENT PROGRAM	
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT	
WATER STORAGE AND PUMPING STATION	

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.	
CONSULTING ENGINEERING	
Joint Venture	
ATLANTA, GEORGIA	
DESIGNED BY: D.P.A.	CHECKED BY: C.P.S.
DRAWN BY: P.G.	DATE: AUG. 1979
SCALE: 1" = 40'	

ELECTRICAL SITE PLAN	
PROJ. NO. 7749-02	SHEET #1

E-1

GENERAL ABBREVIATIONS

AMPA	-	AMPERE
BKR	-	BREAKER
C/B	-	CIRCUIT BREAKER
CKT	-	CIRCUIT
DN	-	DOWN
FDR	-	FEEDER
FIXT	-	FIXTURE
FLOUR	-	FLOURESCENT
FSBL	-	FUSIBLE
GRD	-	GROUND
HP	-	HORSE POWER
KW	-	KILOWATTS
LTG	-	LIGHTING
DWG	-	DRAWING
MTD	-	MOUNTED
MOT	-	MOTOR
NEC	-	NATIONAL ELECTRICAL CODE
Nº	-	NUMBER
PH	-	PHASE
PNL	-	PANEL
PWR	-	POWER
RECP	-	RECEPTACLE
SP	-	SPARE
SW	-	SWITCH
SWGR	-	SWITCHGEAR
T.B	-	TERMINAL BOARD
TEL	-	TELEPHONE
V	-	VOLTS
W	-	WATTS
NEMA	-	NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION
NTS	-	NOT TO SCALE
AFF	-	ABOVE FINISHED FLOOR
EWG	-	ELECTRICAL WATER COOLER

CONDUIT AND WIRE SYMBOLS

	CONDUIT RUN EXPOSED
	CONDUIT RUN UNDERGROUND OR UNDER FLR. SLAB
	CONDUIT TURNING DOWN
	CONDUIT TURNING UP OR TOWARD
	CHANGE IN CONDUIT ELEVATION USING ELBOWS OR BENDS
	CONDUITS RUN CONTINUOUS BETWEEN LOCATIONS AS SHOWN
	HOME RUN TO PANEL FOR LIGHTING AND RECEPTACLE BRANCH CIRCUITS. HATCH MARKS INDICATE NUMBER OF WIRES UNLESS OTHERWISE NOTED
	GROUND WIRE OR CABLE (EXPOSED)
	GROUND WIRE OR CABLE (EMBEDDED)
	LIQUID TIGHT FLEXIBLE CONDUIT WITH FITTINGS SAME SIZE AS CONDUIT UNLESS OTHERWISE NOTED
	DIRECT BURIAL CABLE - SIZE AND TYPE AS INDICATED ON DRAWINGS

GROUNDING SYMBOLS

	COPPER-WELD GROUND ROD 3/4" DIA. 10'-0" LONG (DRIVEN)
	GROUND CONNECTION - FUSIONWELD PROCESS
	GROUND TAP TO COLUMN
	GROUND PIGTAIL FOR EQUIPMENT GROUNDING

AUXILIARY SYMBOLS

	TELEPHONE TERMINAL CABINET
	TELEPHONE OUTLET MTG. HT. 4'-6" AFF. - PROVIDE 3/4" CONDUIT WITH PULL WIRE TO TELEPHONE TERM. CAB.
	FIRE ALARM STATION - MANUALLY OPERATED MTG. HT. 4'-6"
	FIRE ALARM BELL MTG. HT. 10'-0" AFF.
	MICROPHONE MTG. HT. 10'-0" AFF.
	SMOKE DETECTOR
	PHOTO ELECTRIC DETECTOR

SYMBOL LEGEND

	SINGLE POLE SWITCH - NUMERICAL INDICATES BRANCH CIRCUIT, LOWER CASE LETTER INDICATES BRANCH CIRCUIT SUB-DIVISION, GENERAL PURPOSE TYPE UNLESS OTHERWISE NOTED. WP=WEATHERPROOF MOUNTING HEIGHT 4'-6"
	THREE-WAY SWITCH
	DUPLEX CONVENIENCE OUTLET 20A, 120V GENERAL PURPOSE TYPE UNLESS OTHERWISE NOTED. WP=WEATHERPROOF SAFETY SW (F INDICATES FUSIBLE)
	JUNCTION BOX
	COMBINATION MOTOR STARTER - 3Ø-480 V
	LIGHTING PANEL - 120/208 V-3 PHASE-4 WIRE
	WELDING OUTLET WITH ENCLOSED FUSED DISCONNECT SWITCH 60A, 600V, 4 POLE 3 WIRE GROUNDED. CROUSE HINDS WSR 6852 RECEPT 4APT 6485 PLUG, MOUNTED 4'-6 UNLESS OTHERWISE NOTED
	OVERHEAD DOOR OPERATOR, PUSHBUTTON STATION UP-DOWN-STOP MTD. @ 4'-6" AFF.
	OVERHEAD DOOR MOTOR COMPLETE W/REVERSING LIMIT SW.

SINGLE LINE DIAGRAM-LEGEND

	460 V.-400 A. DRAW OUT CONTACTOR
	MOLDED CASE THERMAL MAGNETIC CIRCUIT BREAKER TRIP RATING & FRAME SIZE AS INDICATED
	MAGNETIC MOTOR STARTER CIRCUIT BREAKER W/MOTOR CIRCUIT PROTECTOR & TERMINAL OVERLOADS, NUMBER INDICATES STARTER SIZE
	SURGE PACK
	POTENTIAL TRANSFORMER
	CURRENT TRANSFORMER, Nº INDICATES QUANTITY
	CONTROL POWER TRANSFORMER
	GROUND CURRENT TRANSFORMER
	POWER TRANSFORMER
	DELTA
	WYE
	LIGHT DASHED LINE INDICATES INTERLOCK WIRING CROSS OVER (NO CONNECTION)
	CONNECTION
	MOTOR HORSEPOWER INDICATOR
	AMMETER SWITCH
	AMMETER
	VOLTMETER
	VOLTMETER SWITCH
	WATT-HOUR DEMAND METER
	POWERFACTOR METER
	DIRECTIONAL POWER RELAY
	INSTANTANEOUS OVERCURRENT OR RATE OF RISE RELAY
	THERMAL RELAY
	AC TIME OVERCURRENT RELAY
	RESIDUALLY CONNECTED TIME OVERCURRENT RELAY
	GROUND SENSOR INSTANTANEOUS OVERCURRENT RELAY
	VOLTAGE OR CURRENT BALANCE RELAY
	NON-FUSED DISCONNECT SW.

CONTROL DIAGRAM SYMBOLS

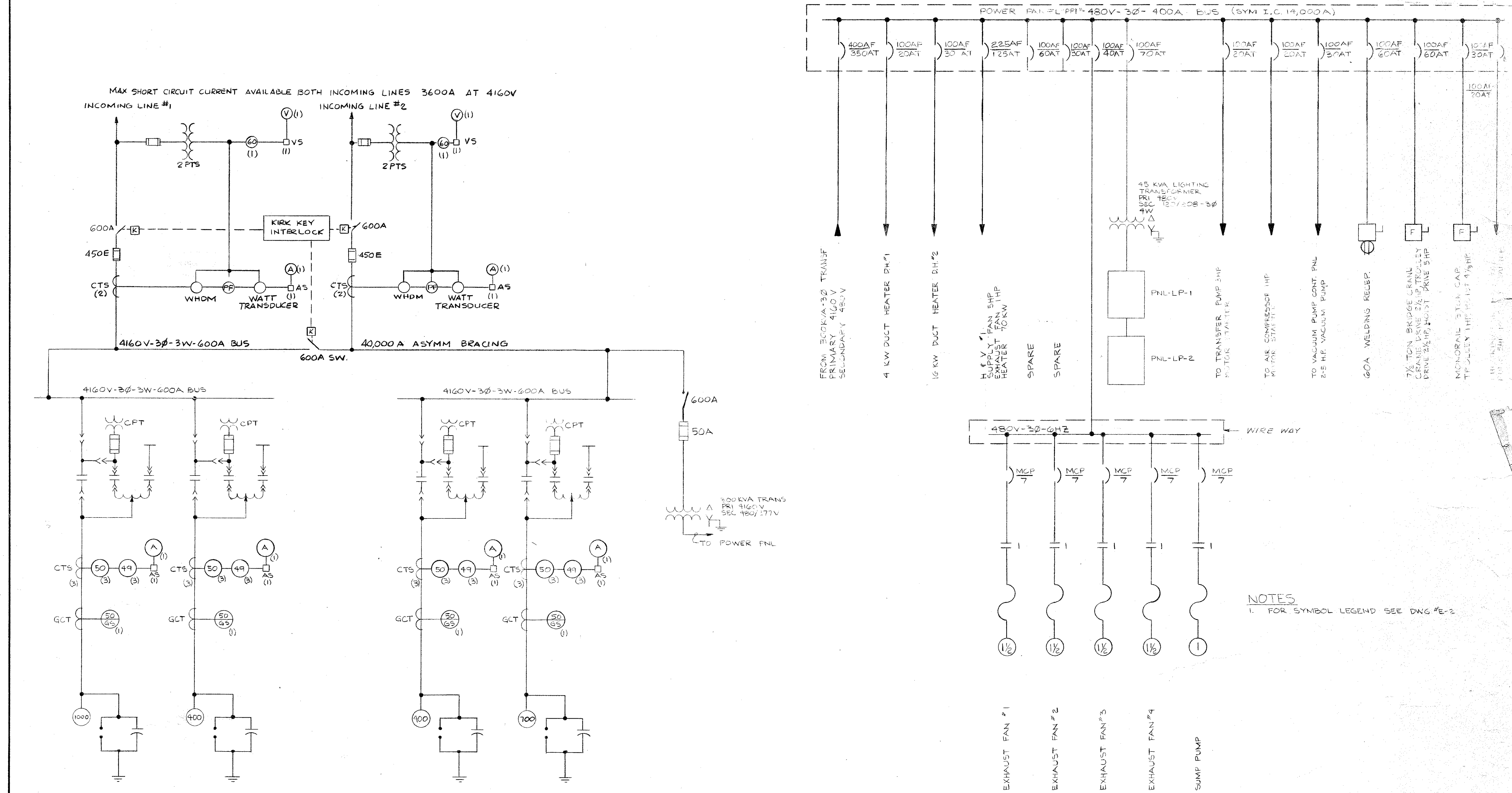
	(M) OR (R) OPERATING COIL OR RELAY COIL
	NORMALLY OPEN CONTACT
	NORMALLY CLOSED CONTACT
	NORMALLY OPEN PUSHBUTTON STATION
	NORMALLY CLOSED PUSHBUTTON STATION
	MAINTAINED CONTACT PUSHBUTTON STATION
	HAND-OFF-AUTO SELECTOR SWITCH
	LIMIT SWITCH - N.C.
	LIMIT SWITCH - N.O.
	PRESSURE SWITCH
	LEVEL SWITCH
	FLOW SWITCH
	TEMPERATURE SWITCH
	THERMOSTAT
	SOLENOID VALVE
	FUSE
	SECONDARY OF CONTROL TRANSFORMER 120 V-1Ø OR AS NOTED
	OVERLOAD CONTACT
	GROUND CONNECTION
	INDICATING LIGHT - W=WHITE A=AMBER R=RED B=BLUE G=GREEN Y=YELLOW
	RTD RESISTANCE TEMPERATURE DETECTOR
	TD&E TIME DELAY AFTER ENERGIZING
	TD&D TIME DELAY AFTER DEENERGIZING
	OL OVERLOAD
	OT OVER TEMPERATURE
	GF GROUND FAULT
	RTU REMOTE TERMINAL UNIT

AS BUILT

8/16/82

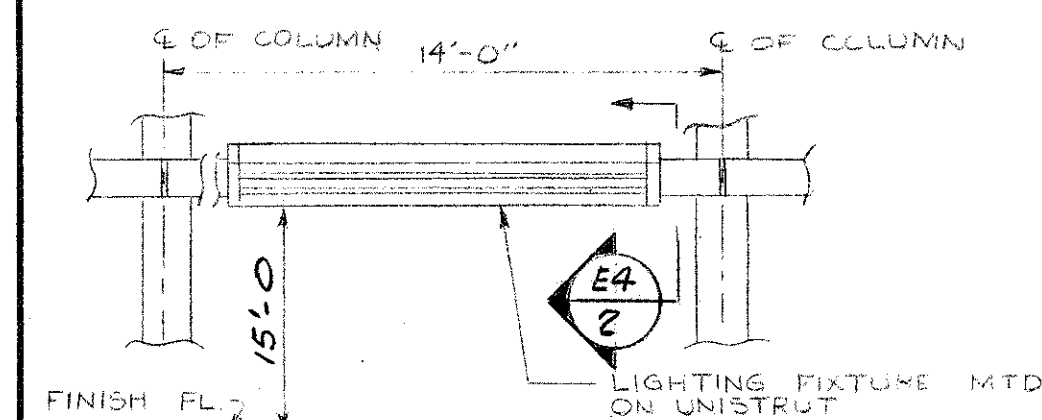
CONSULTING ENGINEERS SUBMITTED BY: JULIAN C. MADISON				CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR				CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA				ELECTRICAL SYMBOL LEGEND							
REG. ENGR. GA. NO. 10712 DATE 11/1/79				APPROVED BY: <i>[Signature]</i> DATE: 3-15-79																			
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.																							
NO.		DESCRIPTION		BY		FIRM		DATE		BY		DATE		DESIGNED BY: D.P.A.		CHECKED BY: C.P.S.		DATE: AUG. 1979		PROJ. NO. 7749-02		SHEET NO. 44 OF 62	
		REVISIONS												DRAWN BY: P.G.				SCALE: N.T.S.					

E-2



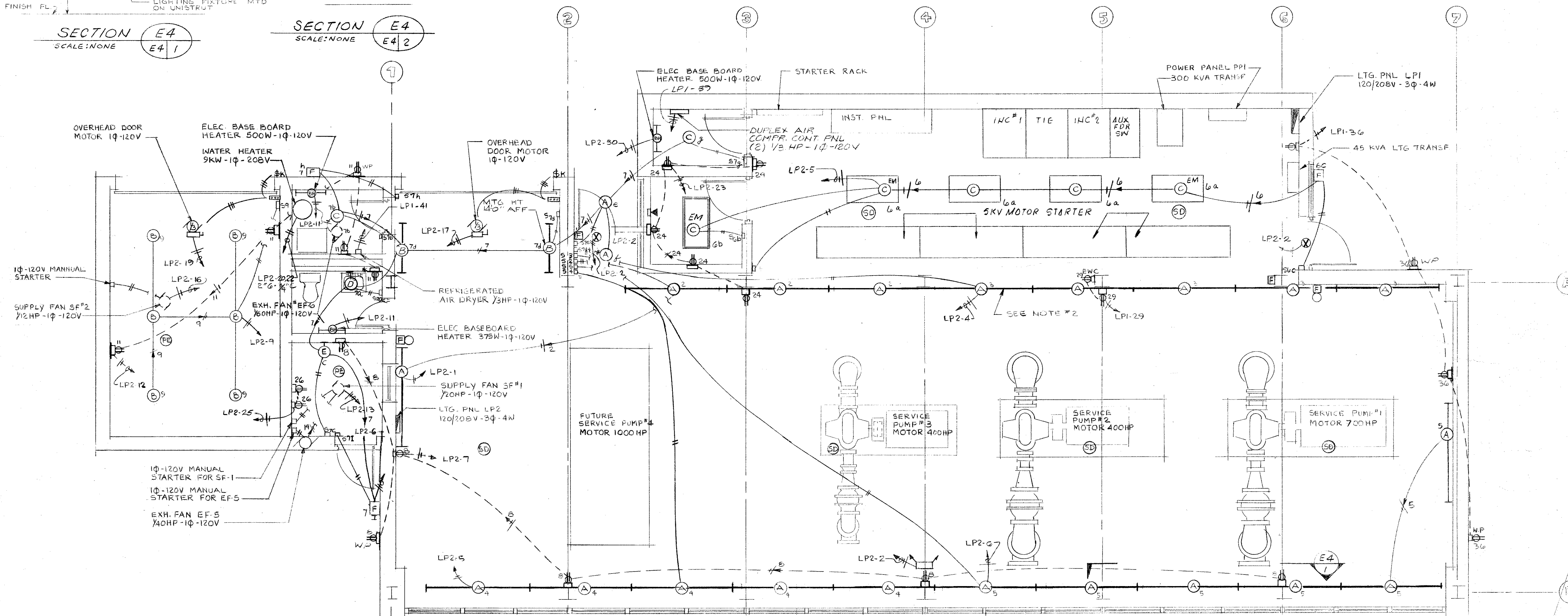
NOTES

1. FOR SYMBOL LEGEND SEE DWG #E-2



SECTION E4
SCALE: NONE

①



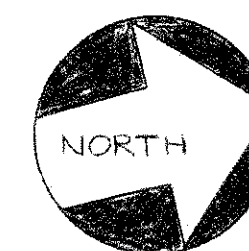
LIGHTING FIXTURE SCHEDULE

SYMBOL	WATT	TYPE	LOCATION	REMARKS
D-M	1-250 WATT	HIGH PRESSURE SODIUM LIGHTING		
	FIXTURE ON 16'-0" ALUMINUM POLE COMPLETE			
	W/MTG. BRACKET, ANCHOR BOLTS, PHOTOELECTRIC			
	CELL ETC. JET PHILLIPS CAT # MAT III-250-HP-			
	280V/PE. POLE CAT JET PHILLIPS CAT # SAP-			
	108-16/8PC-46A DARK BRONZE			
(A)	2-110 WATT	FLOURESCENT	JET-PHILLIPS CAT # 8-CVO-2-8-120V	MTG.H.T. 15'0 AFF.
(B)	2-40 "	"	WALL MTD KEENE CAT # C-240-120V	
(C)	4-40 "	"	SURFACE MTD "	CAT # NRTS2GVA440-120
(C)EM	4-40 "	"	"	"
	WITH SELF CONTAINED EMERGENCY LIGHTING	FLOURESCENT PACK	DUAL LITE	CAT # UFO-1-120V
(A)	1-150 WATT	RECESSED INCANDESCENT LTG. FIXT.	MARCO CAT.# D21404	
(B)	1-200 "	"	(VAPOR TIGHT) SURFACE MTD	W/GLOBE AND DOME REFLECTOR
(C)	CROUSE-HINDS CAT # VXFH22GRD			
(C)	1-200WATT	INCANDESCENT PORCELAIN LAMPHOLDER	GE CAT.# 5740-7	
(E)	2-60 WATT	INCANDESCENT WALL MTD	MARCO CAT # B-3	
(E)	1-200 "	"	"	CROUSE-HINDS CAT # VXFH12G
(F)	1-100 WATT	MERCURY VAPOR WALL MTD	W/INTEGRAL BALLAST, DEVINE CAT. # B 316/G8	
(X)		EXIT LIGHT	DUAL LITE	CAT # SRWW
(E)		EMERGENCY LIGHTS	DUAL LITE	CAT # ML-2

AS BUILT

8/16/82

John M. [Signature]



NOTES :

1. FOR ELECTRICAL LEGEND SEE DWG #E-2
2. MOUNT THIS ROW OF FLOURESCENT FIXTURES ON THE WALL 15'-0" AFF
3. FOR PANEL SCHEDULE SEE DWG #I-1
4. REFER MECHANICAL DWGS FOR INTERLOCKING SF-1,2 & EF-5
5. IN CHLORINATION ROOM AND CHLORINE STORAGE ROOM USE CORROSIVE RESISTANT WIRING DEVICES.

AS BUILT

8 | 16 | 82

CONSULTING ENGINEERS

SUBMITTED BY: JULIAN C. MADISON

REG ENGR GA NO 10072 DATE 1-29-79

MADISON • MADISON • INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA

BUREAU OF WATER
STALLWORTH, JR., DIRECTOR

APPROVED BY: [Signature]
DATE: 3-15-79



CITY OF ATLANTA, GEORGIA

DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER

WATER IMPROVEMENT PROGRAM

EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.

CONSULTING ENGINEERING
Joint Venture

ATLANTA, GEORGIA

DESIGNED BY: D.P.A.

CHECKED BY: C. P. A.

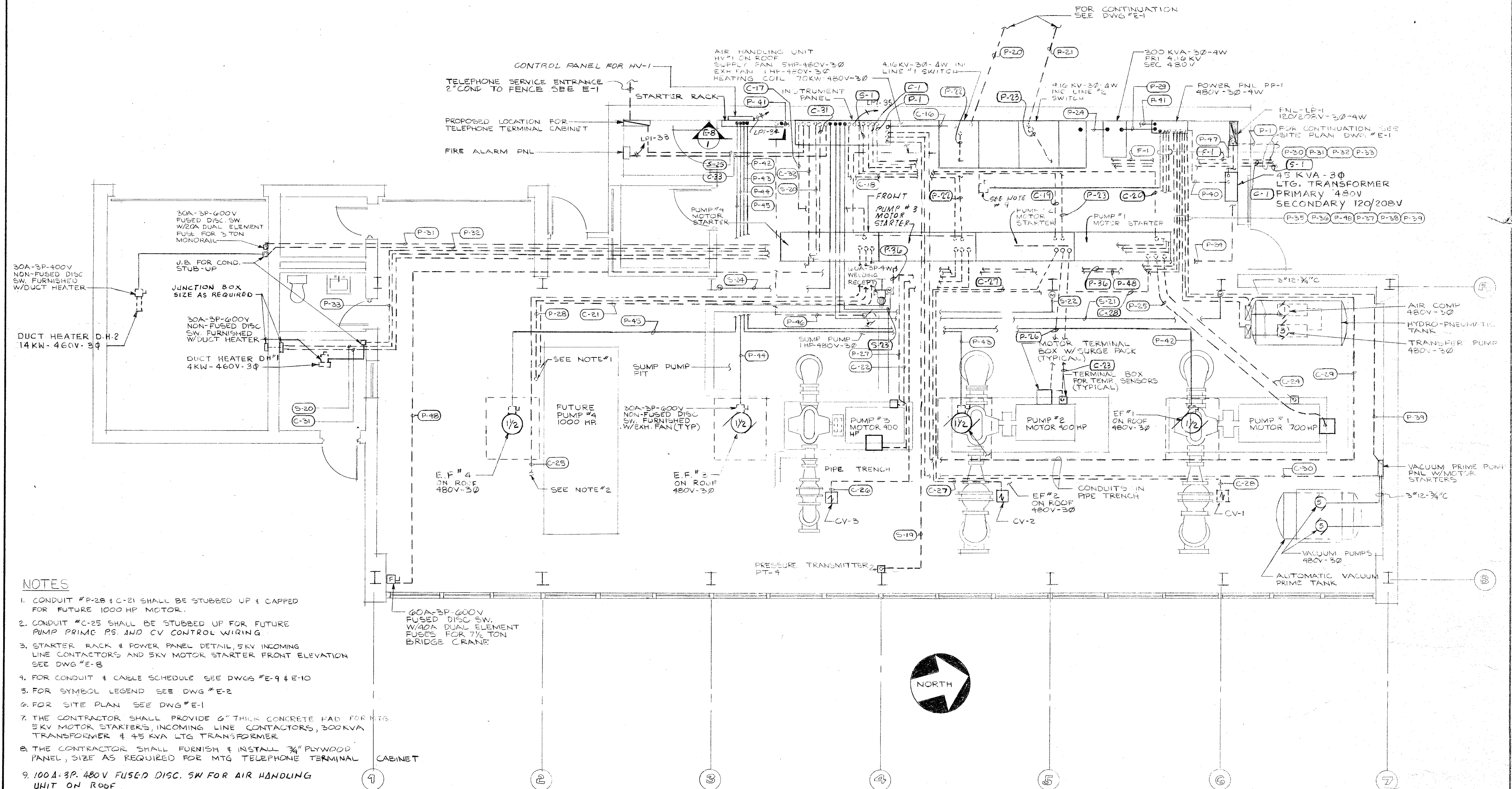
DATE AUG. 1979

SCALE 1/4" = 1' - 0"

ELECTRICAL LIGHTING PLAN

PROJ. NO. 7749-02 SHEET NO. 46 OF 62

SHEET NO. 46 OF 62



AS BUILT

8/16/82

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN C. MADISON
REG. ENGR. GA. NO. 10072 DATE 1-29-79
MADISON · MADISON · INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA
BUREAU OF WATER
T. E. STALLWORTH, JR., DIRECTOR
APPROVED BY: *[Signature]*
DATE: 3-15-79

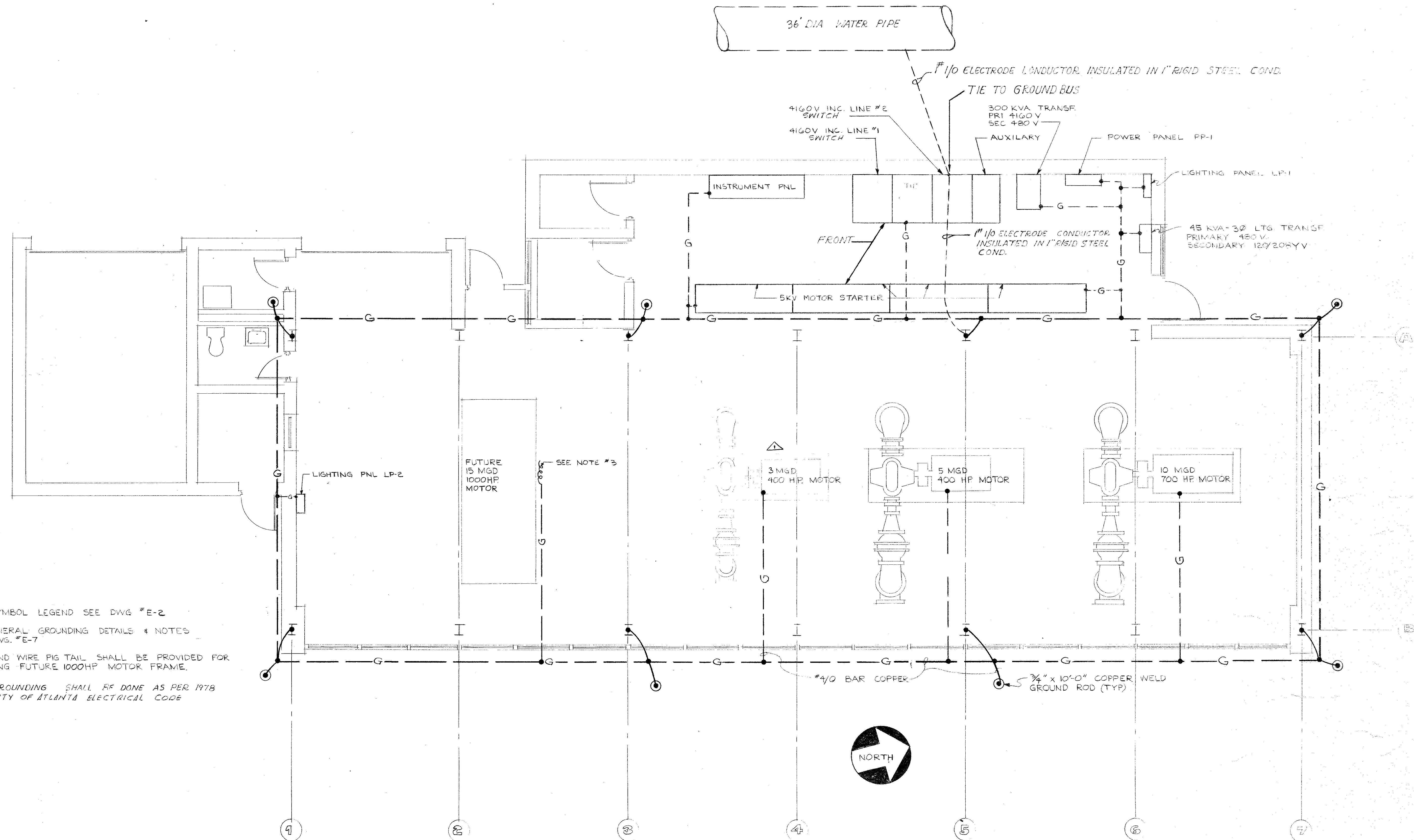


CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
Joint Venture
ATLANTA, GEORGIA
DESIGNED BY: D.P.A. CHECKED BY: C.P.S. DATE: AUG. 1979
DRAWN BY: P.G. SCALE: 1/4" = 1'-0" PROJ. NO. 7749-02 SHEET NO. 47 OF 52

ELECTRICAL
POWER PLAN

E-5



NOTES

1. FOR SYMBOL LEGEND SEE DWG #E-2
2. FOR GENERAL GROUNDING DETAILS & NOTES SEE DWG. #E-7
3. 10' GROUND WIRE PIG TAIL SHALL BE PROVIDED FOR GROUNDING FUTURE 1000HP MOTOR FRAME.
4. ALL GROUNDING SHALL BE DONE AS PER 1978 NEC & CITY OF ATLANTA ELECTRICAL CODE

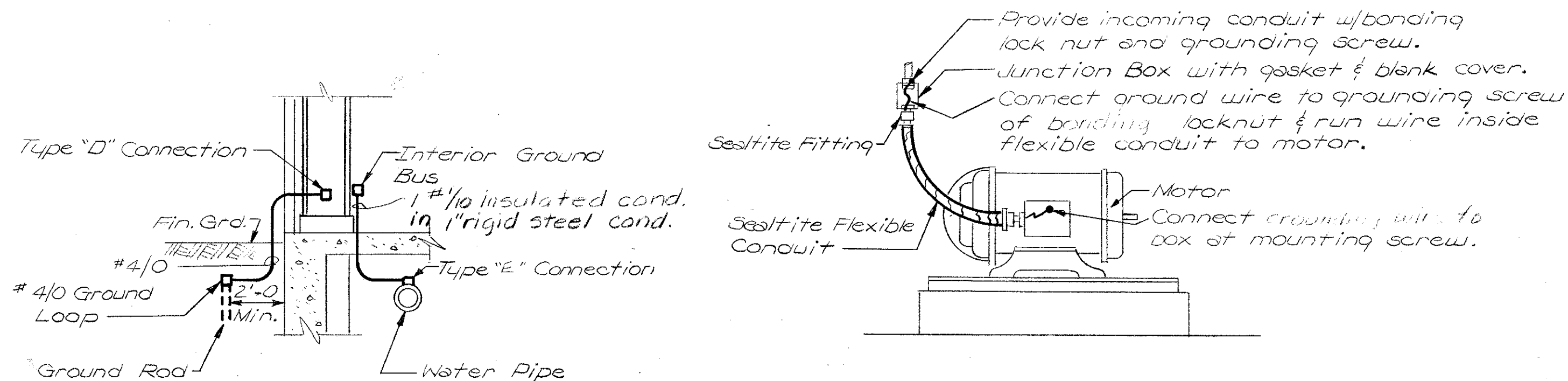
AS BUILT

8/16/82

Julian C. Madison

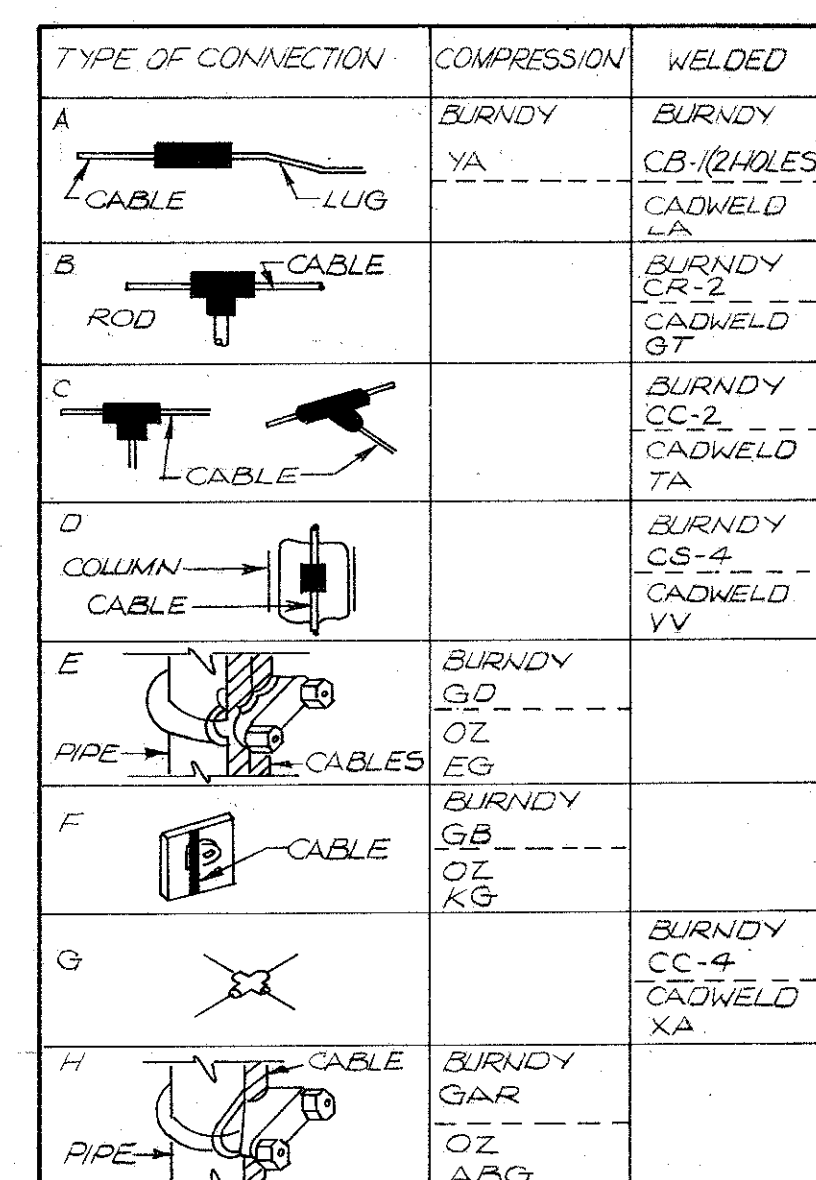
CONSULTING ENGINEERS				CITY OF ATLANTA				CITY OF ATLANTA, GEORGIA				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.				ELECTRICAL	
SUBMITTED BY: JULIAN C. MADISON				BUREAU OF WATER				DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER				CONSULTING ENGINEERING				GROUNDING PLAN	
REG. ENGR. GA. NO. 10072 DATE 1-29-79				T.E. STALLWORTH, JR., DIRECTOR				WATER IMPROVEMENT PROGRAM				Joint Venture					
APPROVED BY: <i>[Signature]</i>				DATE: 3-15-79				EAST SIDE HARTSFIELD INTERNATIONAL				ATLANTA, GEORGIA					
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.								DESIGNED BY: D.P.A.				CHECKED BY: C.P.S.				DAY: AUG 1979	
NO. DESCRIPTION				BY FIRM DATE				DRAWN BY: T.D.				SCALE: NONE				PROJ. NO. 7749-02	
REVISIONS				SUBMITTAL				BUREAU OF WATER APPROVAL								SHEET NO. 48 OF 62	

E-6



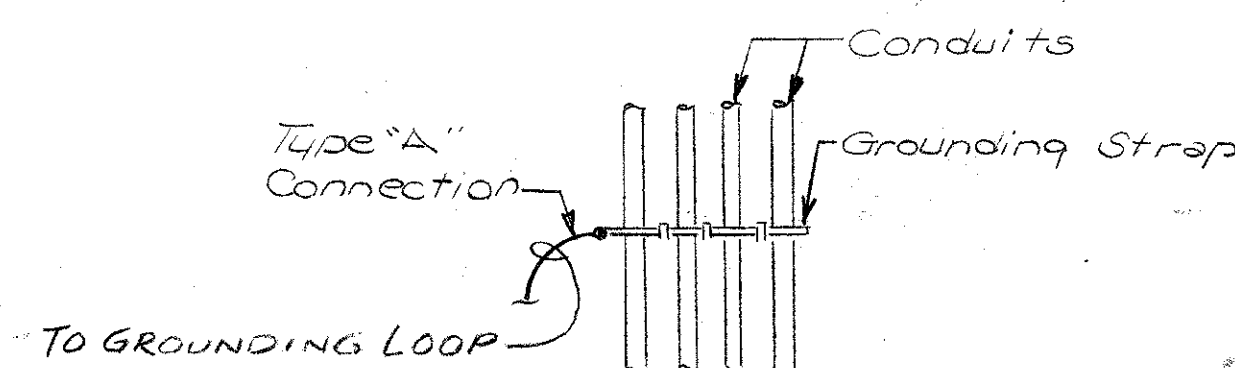
STEEL FRAME STRUCTURES GROUNDING

NTS



GROUNDING NOTES

1. THE GROUNDING SYSTEM IS SHOWN DIAGRAMMATICALLY. EXACT LOCATIONS OF CABLE RODS AND CONNECTIONS SHALL BE DETERMINED IN THE FIELD.
2. GROUNDING CABLE SHALL BE 4/0 AWG SOFT DRAWN BARE COPPER WHERE INDICATED.
3. ALL BURIED GROUNDING CABLE CONNECTIONS SHALL BE CADWELDED OR THERMOWELDED. THE WELDED CONNECTIONS SHALL BE LEFT EXPOSED FOR INSPECTION BY ENGINEER PRIOR TO BACKFILLING.
4. GROUND RODS TO BE DRIVEN IN SUCH NUMBERS THAT THE MAXIMUM GROUND NETWORK RESISTANCE WILL NOT EXCEED 5 OHMS BY TEST.
5. TOP OF GROUND RODS AND CABLE TO BE NOT LESS THAN 18" BELOW GROUND GRADE UNLESS OTHERWISE NOTED.
6. WHERE EXPOSED TO MECHANICAL INJURY THE GROUNDING CONDUIT SHALL BE SUITABLY PROTECTED BY PIPE OR OTHER MECHANICAL PROTECTION. EACH END OF PROTECTING CONDUIT (IF MAGNETIC) SHOULD BE GROUNDED TO THE BARE CABLE.
7. ALL CABLE LUGS AND CONNECTORS SHALL BE OF THE COMPRESSION TYPE UNLESS OTHERWISE NOTED.
8. STEEL BUILDING COLUMNS SHALL BE CONNECTED TO GROUND LOOP BY MEANS OF 4/0 BARE COPPER CABLE AND CS-4 OR EQUAL FITTING.
9. STEEL MUST BE CLEANED THOROUGHLY AND CABLE MUST BE COMPLETELY DRY BEFORE MAKING WELD CONNECTIONS.
10. THE GROUNDING LOOP SHALL BE CONNECTED TO THE WATER PIPE MAIN, WHERE THIS PIPE SYSTEM QUALIFIES AS THE MAIN GROUNDING ELECTRODE.
11. THERMAL TYPE CONNECTIONS SHALL NOT BE USED AFTER INSTALLATION OF WIRES NOR WITH EQUIPMENT ENCLOSURES.



BANKED CONDUITS

NTS

AS BUILT

8/16/82

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN C. MADISON
REG. ENGR. GA. NO. 10072 DATE 1-29-79

CITY OF ATLANTA
BUREAU OF WATER
T. E. STALLWORTH, JR., DIRECTOR



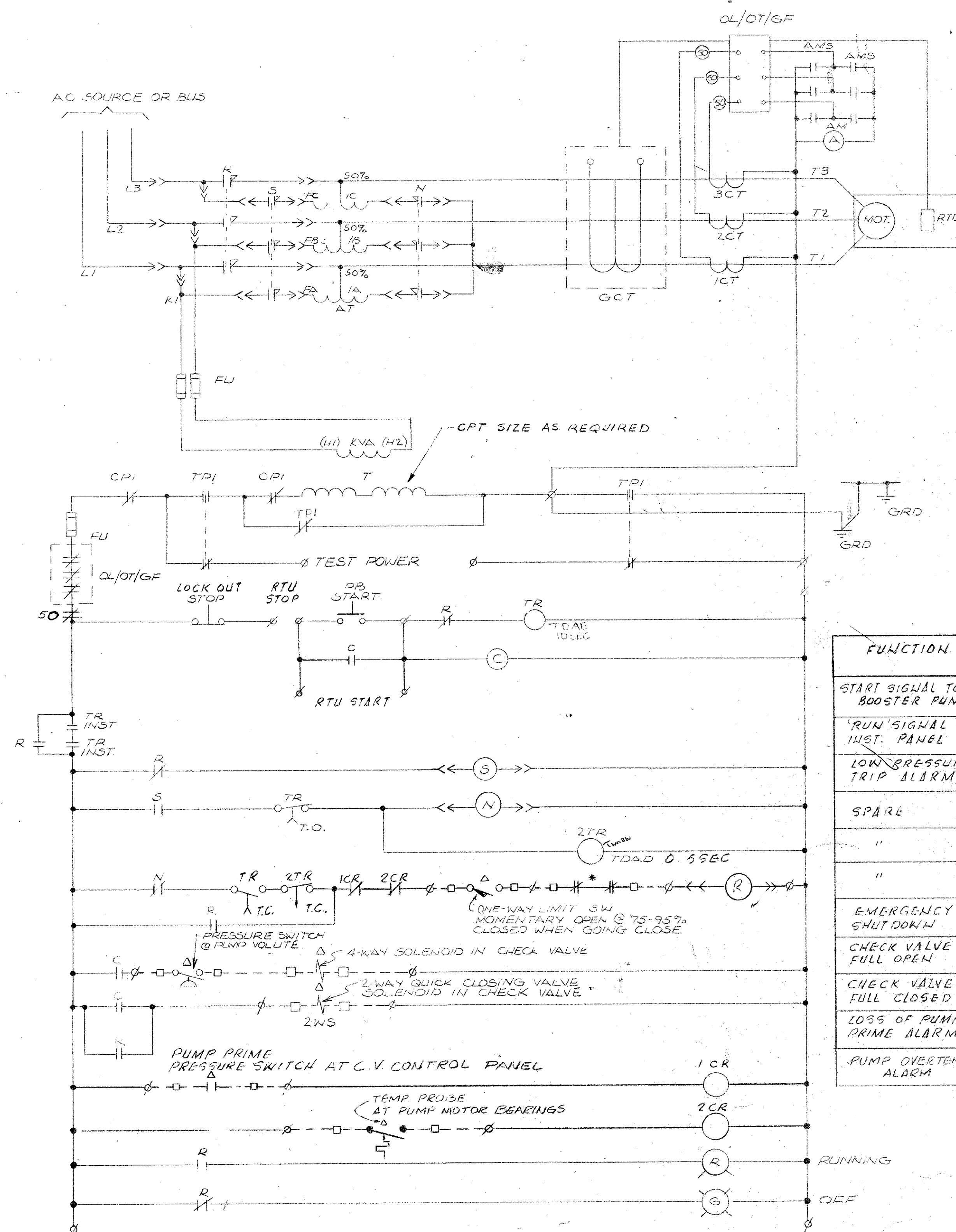
CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
Joint Venture
ATLANTA, GEORGIA

ELECTRICAL GROUNDING DETAILS

DESIGNED BY: D.P.A.	CHECKED BY: C. P. S	DATE: AUG. 1979
DRAWN BY: P.G.		SCALE: NONE

PROJ NO 7749-02 SHEET NO 49 OF 62



TYPICAL 5KV MOTOR STARTER CONTROL WIRING DIAGRAM

Ø INDICATES WIRED OUT BY MANUFACTURER INSIDE STARTER PNL FOR REMOTE CONNECTION IN THE FIELD

△ DEVICES LOCATED REMOTE

☐ REMOTE TERMINAL

----- FIELD WIRING

* OPEN WHEN LOW CAPACITY OR LOW PRESSURE IN THE SYSTEM.
LOCATED AT INSTRUMENTATION PANEL

NOTE: FOR FINAL AS-BUILT CONTROL
WIRING DIAGRAM, SEE WESTINGHOUSE
DRAWING NO 9887D06, 07, & 08

SYM. I. G. = 10,000A

PNL-LPI

LOCATION: - PNR DISTRIBUTION

BUS 225A MAIN BKR=150A

SERVICE 120/208V-3Ø-4W

CENTER RM
MTG. SURFACE

DESCRIPTION	WATTS			BREAKER POLE	CIRCUIT AMP	CIRCUIT NO.	BUS CONN. A B C	CIRCUIT NO.	BREAKER POLE	CIRCUIT AMP	WATTS			DESCRIPTION
	A	B	C								A	B	C	
VALVE CONTROLLER VC-1	249			3	20	1	●	2	2	30	249			VALVE CONTROLLER VC-6
		249				3	●	4				249		
			249			5	●	6					249	
VALVE CONTROLLER VC-2	249			3	20	7	●	8	2	30	249			VALVE CONTROLLER VC-7
		249				9	●	10				249		
			249			11	●	12					249	
VALVE CONTROLLER VC-3	249			3	20	13	●	14	3	20			249	ALT. V-1 VALVE CONTROLLER VC-8
		249				15	●	16				249		
			249			17	●	18					249	
VALVE CONTROLLER VC-4	249			3	20	19	●	20	3	20			249	ALT. V-2 VALVE CONTROLLER VC-9
		249				21	●	22				249		
			249			23	●	24					400	
VALVE CONTROLLER VC-5	249			2	30	25	●	26	3	100			8625	PNL-LP2
		249				27	●	28					8625	
			700			29	●	30					7604	
EWC & RECEP.			700	1	20	29	●	30						
LT CONDENSATION HTR	200			1	20	31	●	32	1	20	200			LT-2 CONDENSATION HTR
FIRE ALARM PNL	200			1	20	33	●	34	1	20		400		CONTROL PNL FOR HV-1
INST. PNL			1000	1	20	35	●	36	1	20			800	RECEP. IN PUMP RM
UT " CLOSET	150			1	20	37	●	38	1	20				SPARE
AIR " COMPRESSOR		500		1	30	39	●	40	1	20				SPARE
AIR " DRYER			249	1	20	41	●	42	1	20				SPARE
TOTAL	1445	945	2945								10,557	10,172	9,551	SPARE

BUS A = 12,002 W

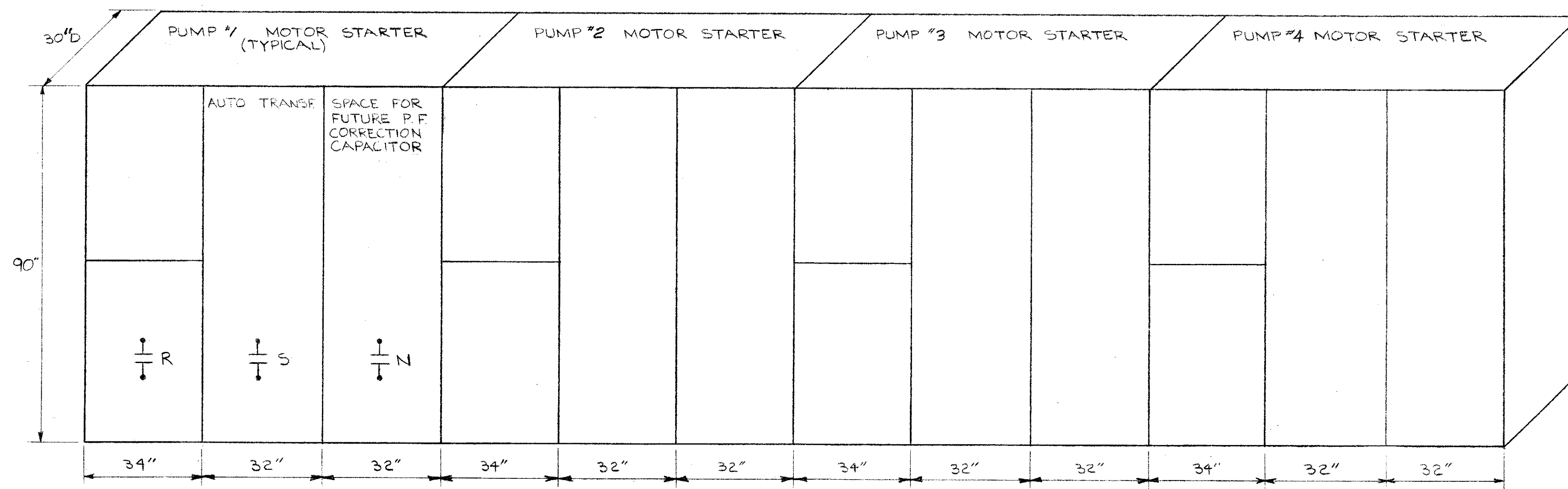
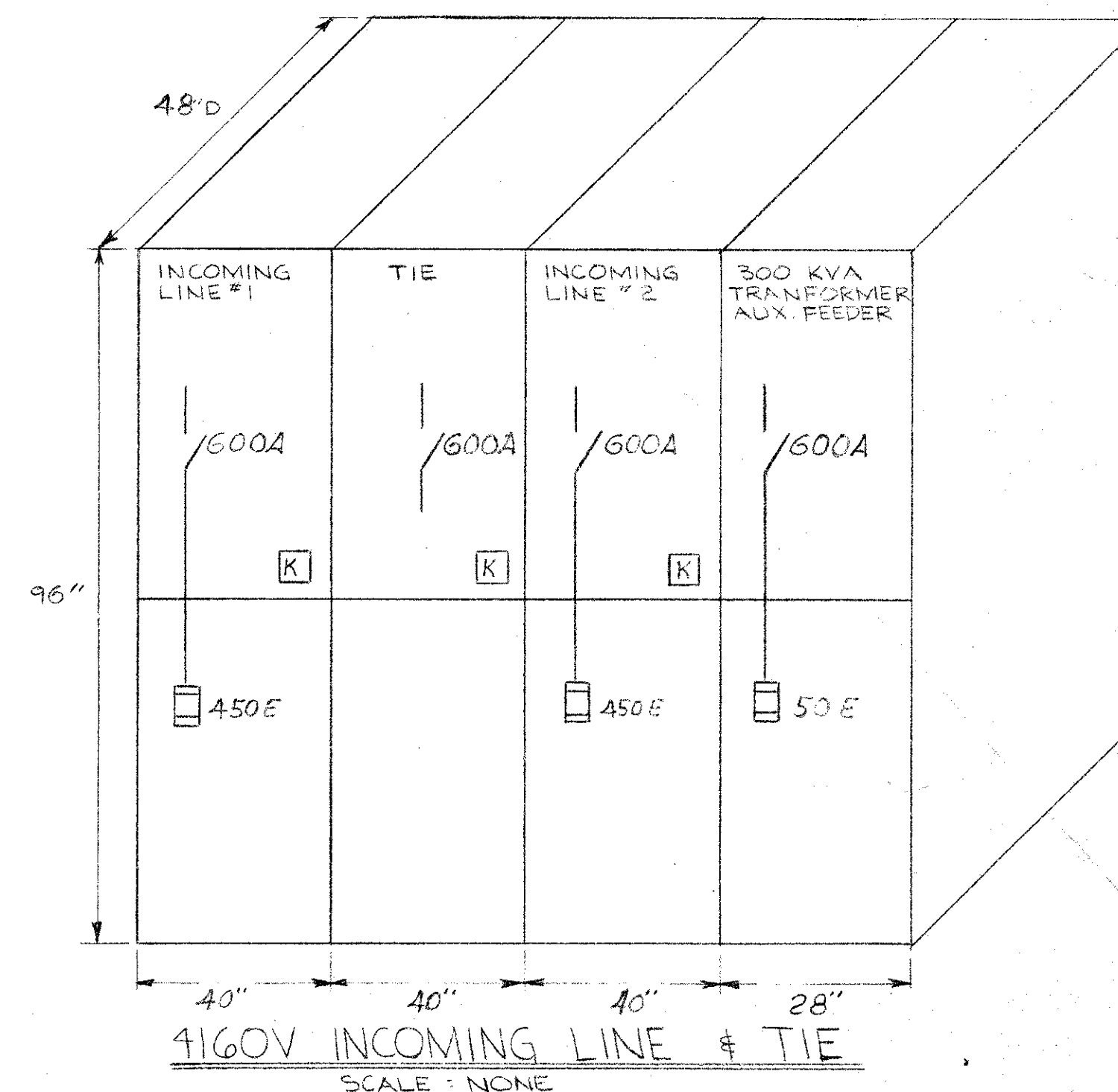
TOTAL = 36,765 W

BUS B = 11,617 W

BUS C = 12,247 W

1. ASTERISK (*) NEAR CKT. NO. 22, 24 & 36 ON PNL-LP1 AND CKT. NO. 8 & 11 ON PANEL-LP2 INDICATES C/B SHALL HAVE GROUND FAULT CIRCUIT INTERRUPTER.

SYM I.C. 10000 A		LTG. PNL-LP2					LOCATION: PUMP ROOM							
BUS 100A		SERVICE 120/208V-3φ-4W					MTG SURFACE							
DESCRIPTION	WATTS			BREAKER		CKT NO	BUS CONN A B C	CKT NO	BREAKER		WATTS			DESCRIPTION
	ΦA	ΦB	ΦC	POLE	AMP				POLE	AMP	ΦA	ΦB	ΦC	
GENERAL LGT	1090			1	20	1	●	2	1	20	75			EXIT & EMER LGT
" "		1300				3	●	4				1300		GENERAL LGT
" "			1120			5	●	6				1560		" & EF #6
RECEP.	1440					7	●	8			1440			" & EF #6
SPARE						9	●	10				1200		GENERAL LGT
ELEC B-B'D HTR			875			11	●	12				1000		RECEPTACLE OUTSIDE
GF #1 & EF #5	57					13	●	14						SPARE
SPARE						15	●	16			76			GF #2
OVERHEAD DOOR			249			17	●	18						SPARE
" " & GARAGE				2	60	19	●	20			4500			LOADER HTR
SPARE				2	60	21	●	22			4500			" "
RECEPTACLES			800	2	20	23	●	24						SPARE
CHLORINATORS	200			2	20	25	●	26						"
SPARE				1	20	27	●	28						"
SPARE				1	20	29	●	30				500		ELEC. BASEBOARD HP
SPARE				1	20	31	●	32						SPARE
OUTSIDE LIGHTING				1	20	33	●	34			600			DRIVE LGT
" "				1	20	35	●	36	↓	↓		600		" "
<div>● N</div>														
<div>TOTAL</div>														
BUS A = 8961W		TOTAL = 24,641W												
BUS B = 8976 W														
BUS C = 6704 W														



4160 V MOTOR STARTER FRONT ELEVATION

SCALE: NONE

AS BUILT

8/16/82

SCALE: NON

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN C. MADISON

REG ENGR GA NO. 10072 DATE 1-29-79

MADISON • MADISON • INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA

BUREAU OF WATER
T. E. STALLWORTH, JR., DIRECTOR

APPROVED BY: [Signature]
DATE: 3-15-79



CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
Joint Venture
ATLANTA, GEORGIA

DESIGNED BY: D.P.A.	CHECKED BY: C.P.A.	DATE: AUG 1979
DRAWN BY: P.G.		SCALE: NONE

5 KV MOTOR STARTER FRONT
ELEVATION & PANEL SCHEDULE

PROJ. NO. 7749-02 SHEET NO. 50 OF 6

(E-8)

CONDUIT NO.	SIZE	CABLE				CONDUIT FROM	CONDUIT TO	FOR	REMARKS
		COND.	SIZE	INS.	VOLT				
P-1	2"	22	#12	THWN	600	LIGHTING PANEL - LP-1	HANDHOLE - A	VC-1 TO 9, RECEPTACLES LT-1, 2	POWER WIRING 208V-1 ϕ -3 ϕ , 120V-1 ϕ
P-2	2"	16	#12	"	"	HANDHOLE - A	" B	VC-1, 2, 6, 8, 9, LT-1, 2	RECEPTACLES
P-3	1"	6	#12	"	"	" B	" C	VC-1, 6, 8, RECEPTACLES	208V-3 ϕ , 120V-1 ϕ
P-4	1"	6	#12	"	"	" B	" D	VC-2, 9, RECEPTACLES	"
P-5	1"	4	#10	"	"	" A	" E	VC-5, 7	208V-1 ϕ
P-6	1"	2	#10	"	"	" E	" F	VC-7	"
P-7	3/4"	3	#12	"	"	" A	VC-4	POWER	208V-3 ϕ
P-8	3/4"	3	#12	"	"	" A	VC-3	"	"
P-9	3/4"	2	#12	"	"	" B	LT-1	SPACE HEATER	120V-1 ϕ
P-10	3/4"	2	#12	"	"	" B	LT-2	"	"
P-11	3/4"	3	#12	"	"	" C	VC-1	POWER	208V-3 ϕ
P-12	3/4"	2	#10	"	"	" C	VC-6	"	208V-1 ϕ
P-13	3/4"	3	#12	"	"	" C	VC-8	"	208V-3 ϕ
P-14	3/4"	3	#12	"	"	" D	VC-2	"	"
P-15	3/4"	3	#12	"	"	" D	VC-9	"	"
P-16	3/4"	2	#10	"	"	" E	VC-5	"	208V-1 ϕ
P-17	3/4"	2	#10	"	"	" F	VC-7	"	"
P-18	3/4"	2	#10	"	"	" D	RECEPTACLES	"	120V-1 ϕ
P-19	3/4"	2	#10	"	"	" C	"	"	"
P-20	5"	3/1	500 MCM	XLP	5KV	INCOMING LINE #1 SWITCH	METERING CABINET #1	"	4160V-3 ϕ -4W
P-21	5"	3/1	500 MCM	"	"	" #2	" #2	"	"
P-22	4"	3	500 MCM	"	"	" #1	PUMPS #3 & 4 MOTOR STARTER BUS	"	4160V-3 ϕ -3W
P-23	4"	3	500 MCM	"	"	" #2	PUMPS #1 & 2 MOTOR STARTER BUS	"	"
P-24	3"	3	#2	"	"	AUX. TRANSFORMER FEEDER SW	300 KVA TRANSFORMER	"	"
P-25	3"	3	#1/0	"	"	PUMP #1 MOTOR STARTER	PUMP #1 MOTOR TERMINAL BOX	"	"
P-26	3"	3	#2	"	"	" #2	" #2	"	"
P-27	3"	3	#2	"	"	" #3	" #3	"	"
P-28	3"	-	-	-	-	" #4	" #4	"	RUN CONDUIT ONLY
P-29	3"	3	500 MCM	THHN	600	300 KVA TRANSFORMER	POWER PANEL PP-1	"	480V-3 ϕ -3W
P-30	2"	3	#1/0	"	"	POWER PANEL PP-1	AIR HANDLING UNIT HV #1	"	"
P-31	3/4"	3	#10	THWN	"	"	30A FUSED DISC SW FOR 3 TON MONORAIL	"	"
P-32	3/4"	3	#10	"	"	"	DUCT HEATER DH-2 NON- FUSED DISC SW	"	"
P-33	3/4"	3	#12	"	"	"	DUCT HEATER DH-1 NON- FUSED DISC SW	"	"
P-34	1 1/4"	4	#2	"	"	LIGHTING PANEL LP-1	LIGHTING PANEL LP-2	"	120/208V-3 ϕ -4W
P-35	3/4"	3	#12	"	"	POWER PANEL PP-1	CHLORINATION BOOSTER PUMP MOTOR STARTER	"	480V-3 ϕ -3W
P-36	1"	4	#4	"	"	"	60A WELDING RECEPTACLE	"	"
P-37	3/4"	3	#12	"	"	"	TRANSFER PUMP MOTOR STARTER	"	"
P-38	3/4"	3	#12	"	"	"	AIR COMPRESSOR MOTOR STARTER	"	"
P-39	3/4"	3	#10	"	"	"	CONTROL PANEL FOR VACUUM PRIME PUMPS	"	"
P-40	1"	3	#4	"	"	"	45 KVA LIGHTING TRANSFORMER	"	"
P-41	3/4"	3	#8	THHN	"	"	STARTER RACK	"	"
P-42	3/4"	3	#12	"	"	STARTER RACK	EXHAUST FAN EF-1	"	"
P-43	3/4"	3	#12	"	"	"	" EF-2	"	"
P-44	3/4"	3	#12	"	"	"	" EF-3	"	"
P-45	3/4"	3	#12	"	"	"	" EF-4	"	"

CONDUIT NO.	SIZE	CABLE				CONDUIT FROM	CONDUIT TO	FOR	REMARKS
		COND.	SIZE	INS.	VOLT				
P-46	3/4"	3	#12	THWN	600	STARTER RACK	SUMP PUMP	"	480V-3 ϕ -3W
P-47	2"	4	#2/0	"	"	45 KVA LIGHTING TRANSFORMER	LIGHTING PANEL LP-1	"	120/ 208V-3 ϕ -4W
P-48	3/4"	3	#6	"	"	POWER PANEL PP-1	60A FUSED DISC SW FOR 7 1/2 TON BRIDGE CRANE	"	480V-3 ϕ -3W
C-1	2 1/2"	123	#12	THWN	600	INSTRUMENT PANEL	HANDHOLE - A	VC-1 THRU VC-9	"
C-2	2"	73	#12	"	"	HANDHOLE - A	" B	VC-1, 2, 6, 8, 9	"
C-3	1 1/4"	41	#12	"	"	" B	" C	VC-1, 6, 8	"
C-4	1 1/4"	32	#12	"	"	" B	" D	VC-2, 9	"
C-5	1"	12	#12	"	"	" A	" E	VC-5, 7	"
C-6	1"	9	#12	"	"	" E	" F	VC-7	"
C-7	3/4"	16	#12	"	"	" A	VC-4	CONTROL WIRING	"
C-8	3/4"	16	#12	"	"	" A	VC-3	"	"
C-9	3/4"	16	#12	"	"	" C	VC-1	"	"
C-10	3/4"	9	#12	"	"	" C	VC-6	"	"
C-11	3/4"	16	#12	"	"	" C	VC-8	"	"
C-12	3/4"	16	#12	"	"	" D	VC-2	"	"
C-13	3/4"	16	#12	"	"	" D	VC-9	"	"
C-14	3/4"	9	#12	"	"	" E	VC-5	"	"
C-15	3/4"	9	#12	"	"	" F	VC-7	"	"
C-16	3/4"	18	#14	"	"	INCOMING LINE SWITCHGEAR	INSTRUMENT PANEL	POWER STATUS & POWER DEMAND	RUN CONDUIT ONLY
C-17	1"	-	-	-	-	PUMP #4 MOTOR STARTER	"	"	"
C-18	1"	30	#14	THWN	600V	PUMP #3 MOTOR STARTER	"	"	"
C-19	1"	30	#14	"	"	PUMP #2 MOTOR STARTER	"	"	"
C-20	1"	30	#14	"	"	PUMP #1 MOTOR STARTER	"	"	"
C-21	3/4"	-	-	-	-	PUMP #4 MOTOR STARTER	PUMP #4 TERMINAL BOX FOR TEMP. SENSOR.	"	"
C-22	3/4"	23	#14	THWN	600V	PUMP #3 MOTOR STARTER	PUMP #3	"	"
C-23	3/4"	23	#14	"	"	PUMP #2 MOTOR STARTER	PUMP #2	"	"
C-24	3/4"	23	#14	"	"	PUMP #1 MOTOR STARTER	PUMP #1	"	"
C-25	3/4"	-	-	-	-	PUMP #4 MOTOR STARTER	(FUTURE) PUMP PRIME PS & CV CONTROL WIRING	"	RUN CONDUIT ONLY
C-26	3/4"	16	#12	THWN	600V	PUMP #3 MOTOR STARTER	"	"	"
C-27	3/4"	16	#12	"	"	PUMP #2 MOTOR STARTER	"	"	"
C-28	3/4"	16	#12	"	"	PUMP #1 MOTOR STARTER	"	"	"
C-29	3/4"	2	#14	"	"	INSTRUMENT PANEL	PS AT HYDRONEUMATIC TANK AC PANEL	LOW PRESSURE ALARM	1 CONTACT
C-30	3/4"	2	#14	"	"	"	VACUUM PRIME PUMP PANEL	"	1 CONTACT
C-31	3/4"	6	#14	"	"	"	CHLORINATORS (FUTURE)	ALARMS	"
C-32	3/4"	2	#14	"	"	"	CHLORINATOR BOOSTER PUMP MOTOR STARTER	"	"
C-33	3/4"	2	#14	"	"	"	FIRE ALARM PANEL	ALARM	"

AS BUILT		8/10/82		CONSULTING ENGINEERS SUBMITTED BY: JULIAN C. MADISON		CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR		CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION		MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA		CONDUIT AND CABLE SCHEDULE	
NO.		DESCRIPTION		BY		FIRM		DATE		DESIGNED BY: D.P.A.		CHECKED BY: C.P.S.	
NO.		DESCRIPTION		BY		FIRM		DATE		DATE: 3-5-79		DATE: AUG. 1979	
NO.		DESCRIPTION		BY		FIRM		DATE		DRAWN BY: T.D.		SCALE: NONE	
NO.		DESCRIPTION		BY		FIRM		DATE		PROJ. NO. 7749-02		SHEET NO. 51 OF 62	

CONDUIT		CABLE				CONDUIT FROM	CONDUIT TO	FOR	REMARKS
NO.	SIZE	COND	SIZE	INS	VOLT				
S-1	2 1/2"	14 PAIR	14	XLP	300	INSTRUMENT PANEL	HANDHOLE - A	PT-1, 2, 3 LT-1, 2 CE-1, 2 VC-5, 6, 7	TWISTED PAIR SHIELDED
S-2	2"	5 "	14	"	"	HANDHOLE - A	" B	PT-1, 3 LT-1, 2 VC-6	"
S-3	1"	2 "	14	"	"	" B	" C	VC-6, PT-3	"
S-4	1"	1 "	14	"	"	" B	" D	PT-1	"
S-5	2"	9 "	14	"	"	" A	" E	FT-1, 2, CE-1, 2 PT-2 VC-5, 7	"
S-6	1 1/2"	5 "	14	"	"	" E	" F	PT-2, VC-7, CE-2, FT-2	"
S-7	3/4"	1 "	14	"	"	" B	LT-1		"
S-8	3/4"	1 "	14	"	"	" B	LT-2		"
S-9	3/4"	1 "	14	"	"	" C	PT-3		"
S-10	3/4"	1 "	14	"	"	" D	PT-1		"
S-11	3/4"	2 "	14	"	"	" E	CE-1		"
S-12	3/4"	1 "	14	"	"	" E	FT-1		"
S-13	3/4"	2 "	14	"	"	" F	CE-2		"
S-14	3/4"	1 "	14	"	"	" F	FT-2		"
S-15	3/4"	1 "	14	"	"	" F	PT-2		"
S-16	3/4"	1 "	14	"	"	" C	VC-6		"
S-17	3/4"	1 "	14	"	"	" E	VC-5		"
S-18	3/4"	1 "	14	"	"	" F	VC-7		"
S-19	3/4"	1 "	14	"	"	INSTRUMENT PANEL	PRESSURE TRANSMITTER PT-4		"
S-20	1"	4 "	14	"	"	"	CHLORINATORS	PACING SIGNALS	"
S-21	3/4"	(SEE NOTE #2)				"	MICROPHONE #1		
S-22	3/4"		"			"	" #2		
S-23	3/4"		"			"	" #3		
S-24	3/4"		"			"	" #4		
S-25	1 1/2"	-	-	-	-	"	TELEPHONE TERMINAL CAB.		WITH PULL WIRE
F-1	2"	-	-	-	-	INSTRUMENT PANEL	HANDHOLE - A	FUTURE USE	
F-2	2"	-	-	-	-	HANDHOLE - A	" B	"	
F-3	2"	-	-	-	-	" B	" C	"	
F-4	2"	-	-	-	-	" B	" D	"	
F-5	2"	-	-	-	-	" A	" E	"	
F-6	2"	-	-	-	-	" E	" F	"	

AS BUILT

8/16/82

CONSULTING ENGINEERS
SUBMITTED BY: JULIAN C. MADISON
REG. ENGR. GA. NO. 10072 DATE 1-29-79

MADISON-MADISON-INTERNATIONAL /
FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA
BUREAU OF WATER
T.E. STALLWORTH, JR., DIRECTOR

APPROVED BY: *[Signature]*
DATE: 3-15-79



CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

MADISON-MADISON-INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
Joint Venture
ATLANTA, GEORGIA

DESIGNED BY: D.P.A. CHECKED BY: C.P.S. DATE: AUG. 1979
DRAWN BY: T.D. SCALE: NONE

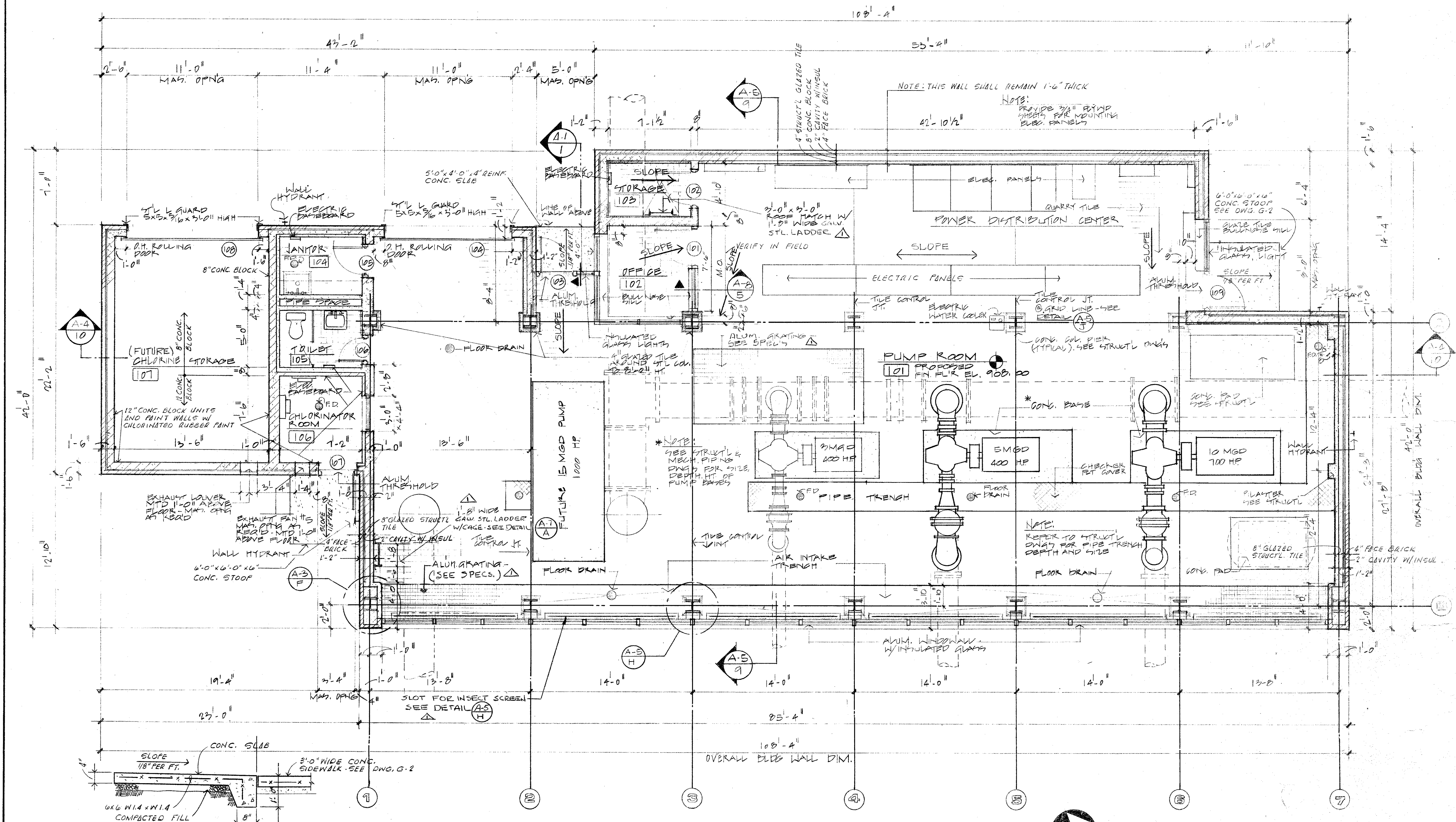
CONDUIT AND CABLE
SCHEDULE

PROJ. NO. 7749-02 SHEET NO. 52 OF 62


NOTES:

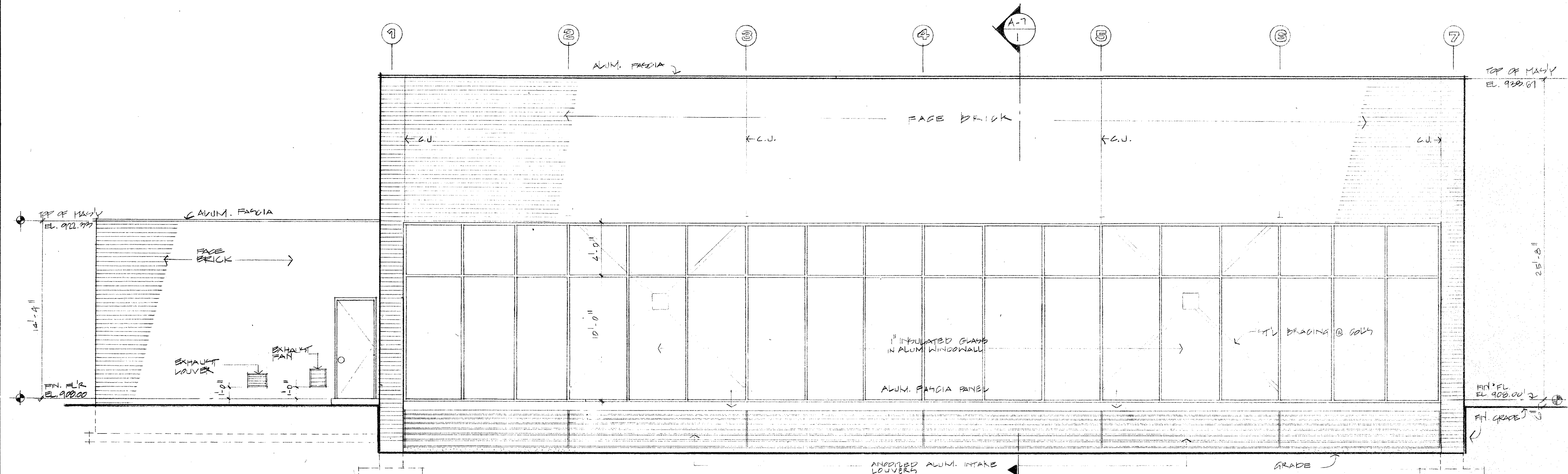
1. THIS SCHEDULE IS PREPARED BASED ON GALVANIZED RIGID STEEL METAL CONDUIT.
2. MICROPHONE CABLE SIZE SHALL BE AS PER EQUIPMENT MANUFACTURER.
3. FOR ELECTRICAL POWER PLAN SEE DWG. #E-5.
4. FOR SITE PLAN SEE DWG. E-1.
5. XLP- CROSS LINK POLYETHYLENE

E-10

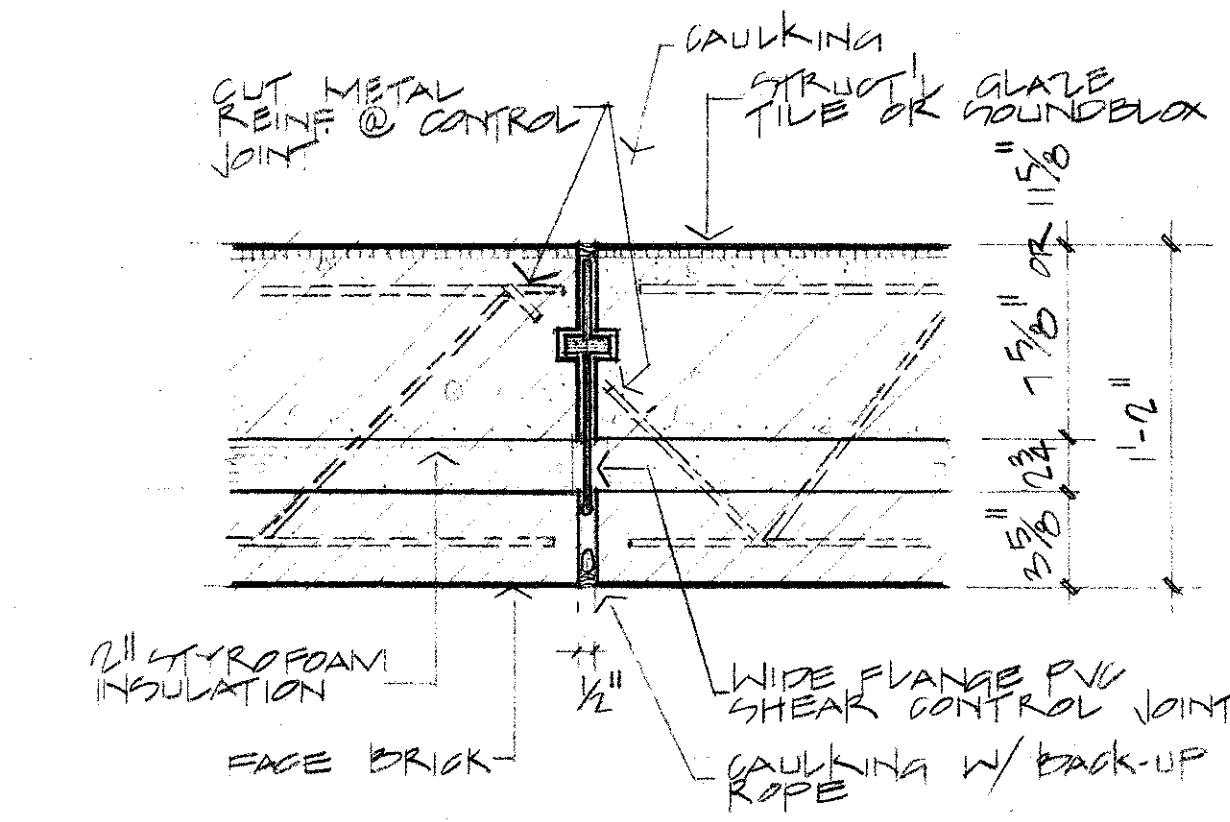


PUMP ROOM FLOOR PLAN

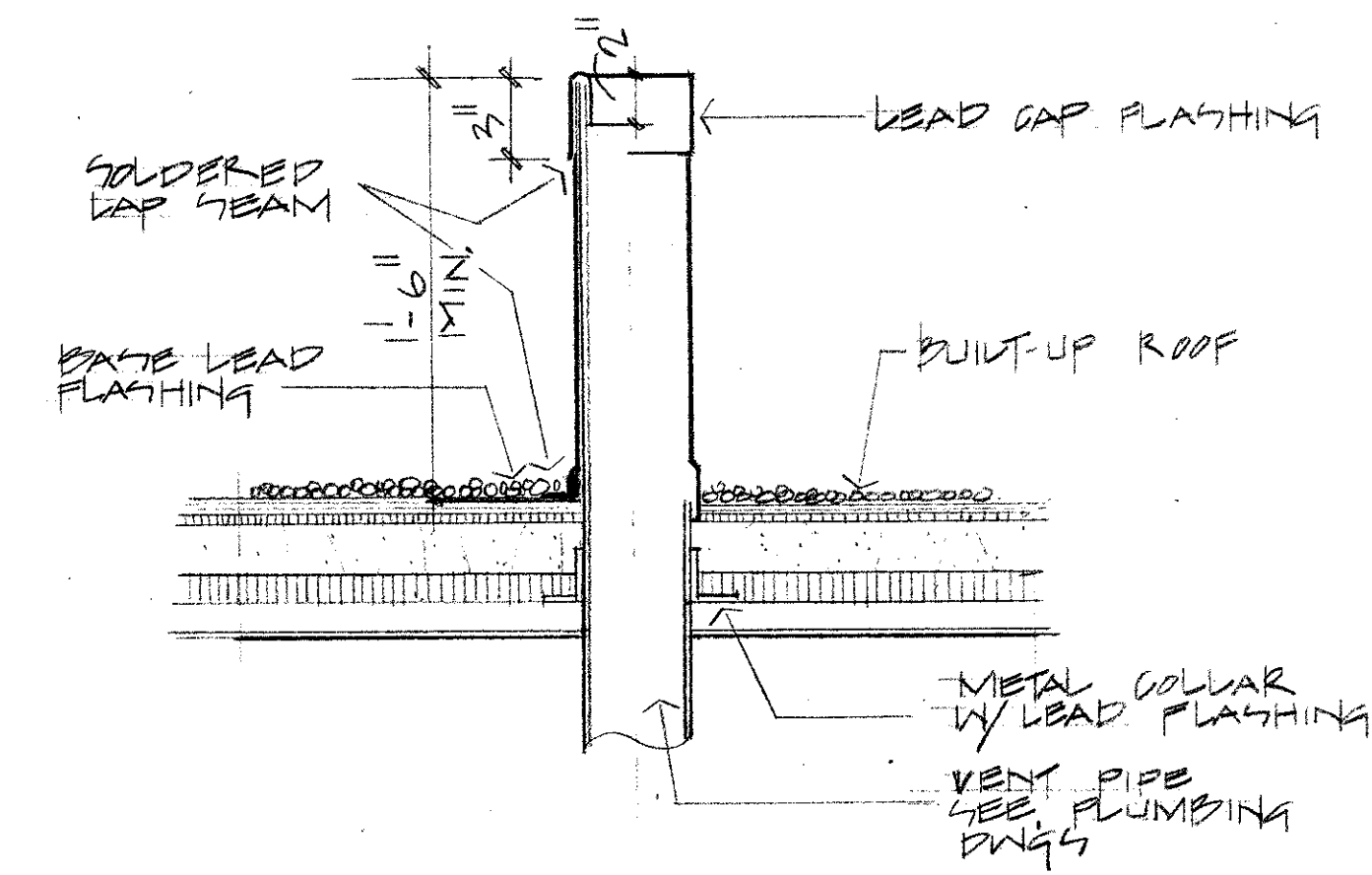
										CONSULTING ENGINEERS SUBMITTED BY: <u>X. E. Linn</u> CITY OF ATLANTA BUREAU OF WATER T. E. STALLWORTH, JR., DIRECTOR REG. ENGR. GA. NO. <u>2234</u> DATE <u>8-22-1979</u> MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.				 CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA				PUMPING STATION FLOOR PLAN			
PRE-BID REVISIONS										MMH 779															
NO. DESCRIPTION BY FIRM DATE BY DATE										SUBMITTAL BUREAU OF WATER APPROVAL															
REVISIONS										DATE: <u>3-15-79</u>				DESIGNED BY: <u>J. L.</u> CHECKED BY: <u>W. M.</u> DATE: <u>AUG 1979</u>				PROJ. NO. <u>7749-02</u> SHEET NO. <u>53</u> OF <u>62</u>							
DRAWN BY: <u>J. G.</u> SCALE: <u>1/4" = 1' - 0"</u>																									



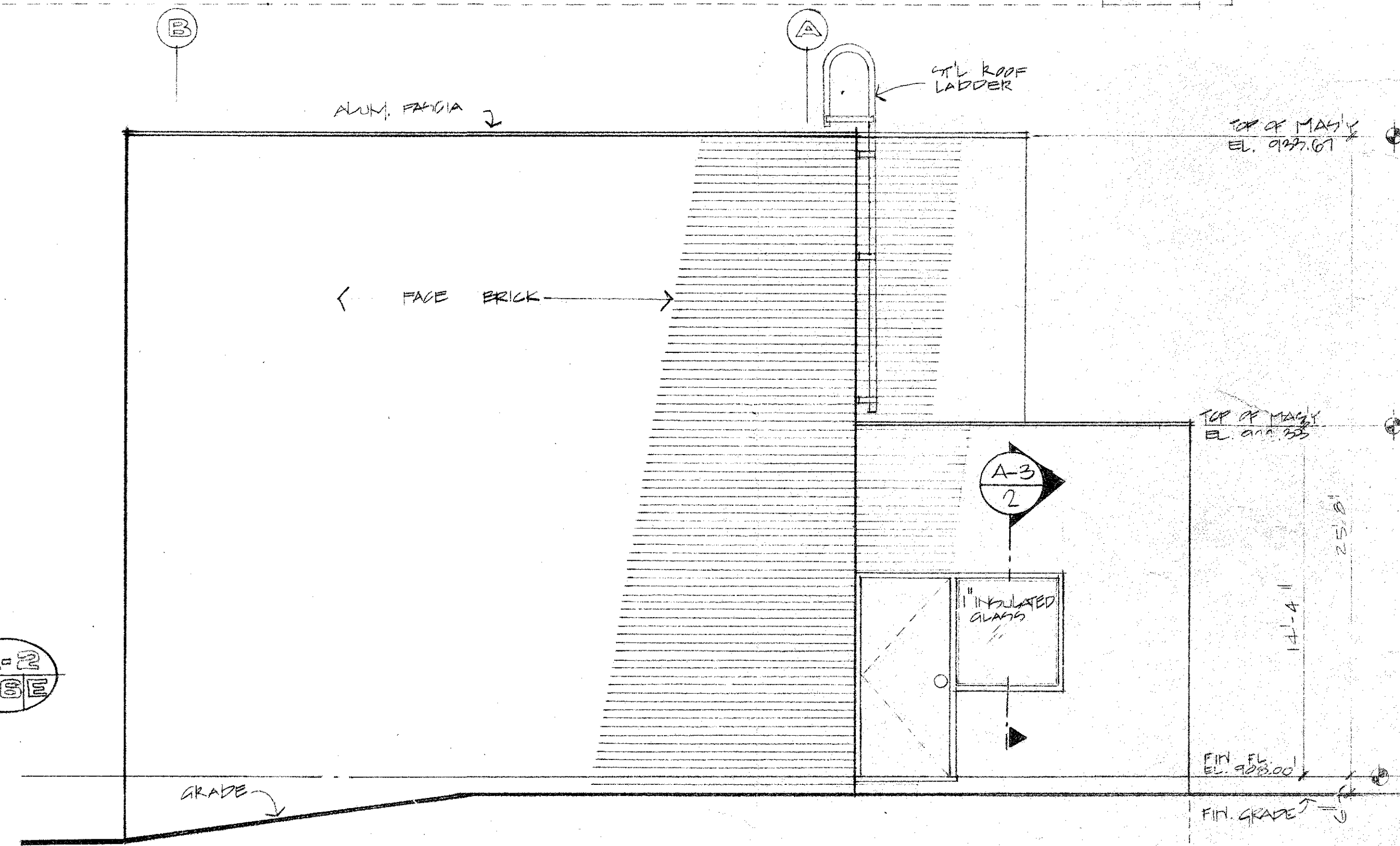
EAST ELEVATION
1/4" = 1'-0"



TYP. CONTROL JT.
1/2" = 1'-0"

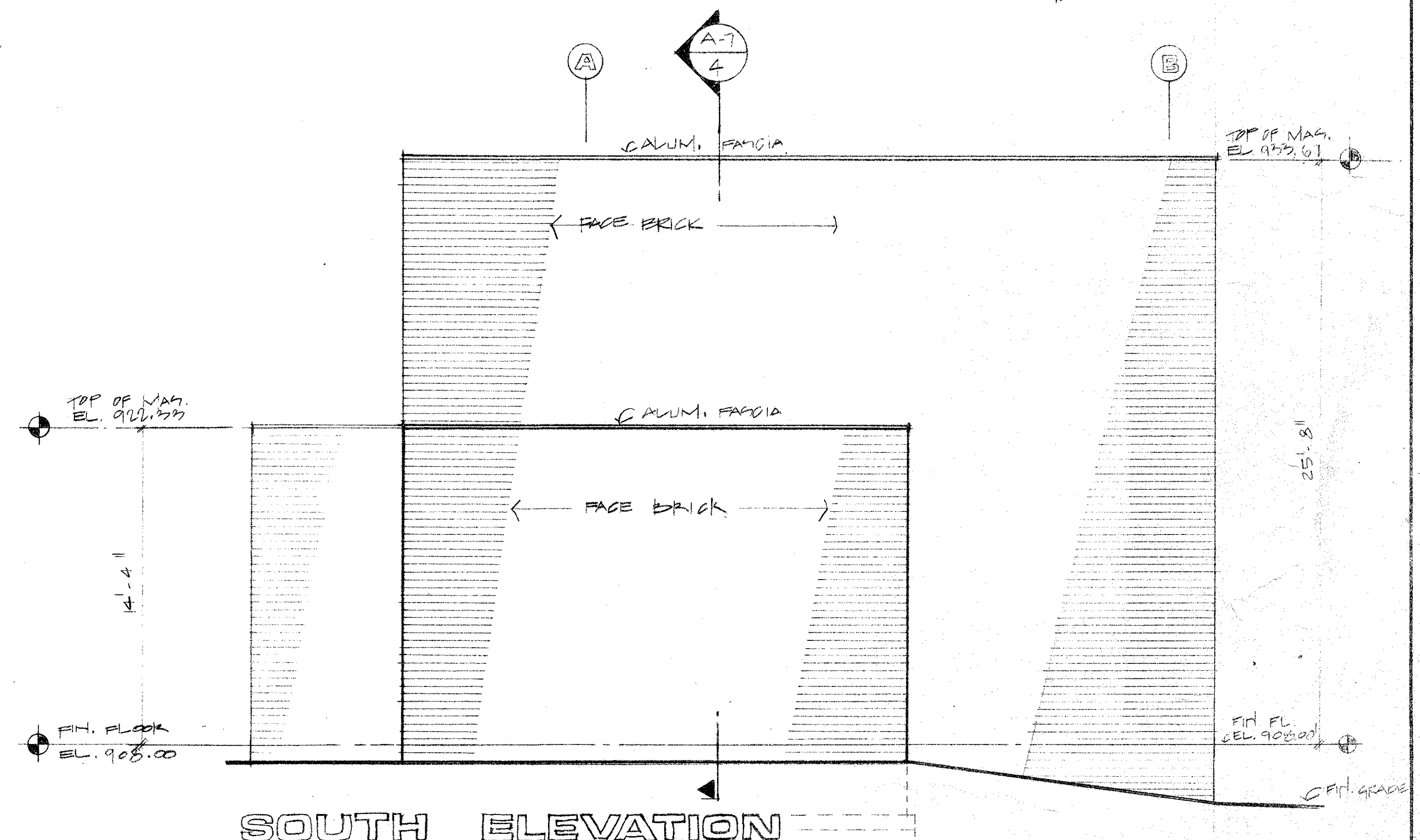
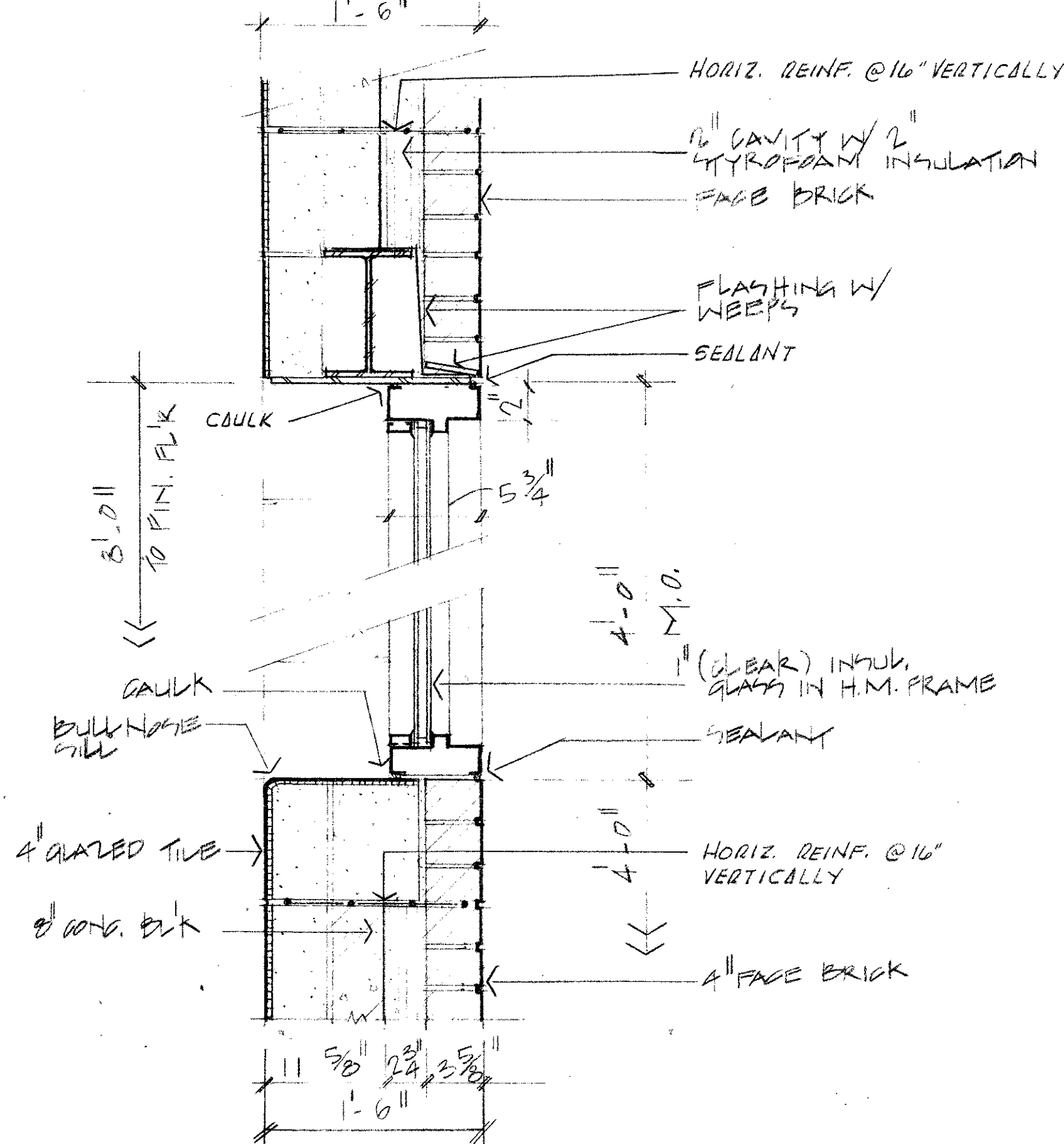
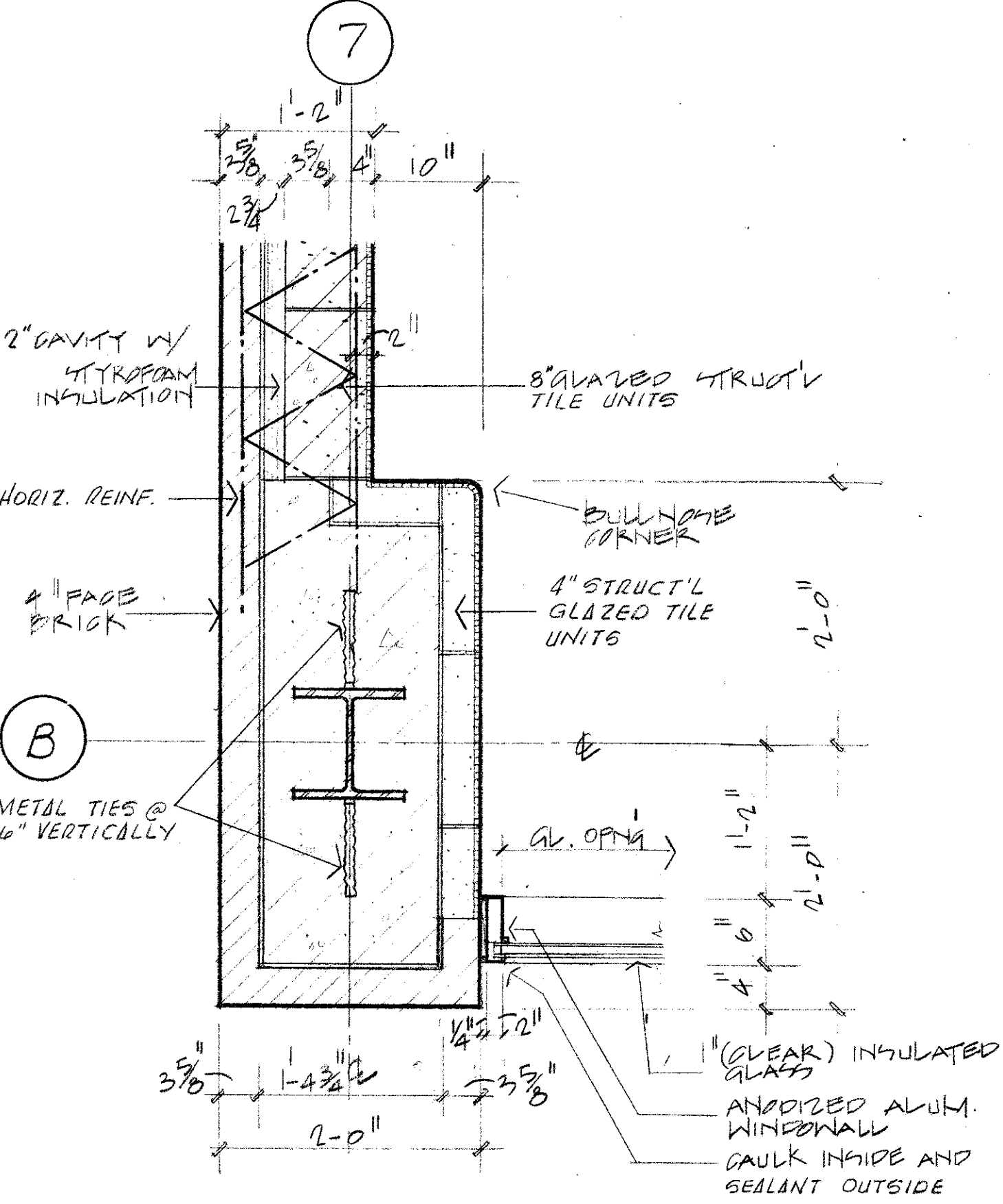
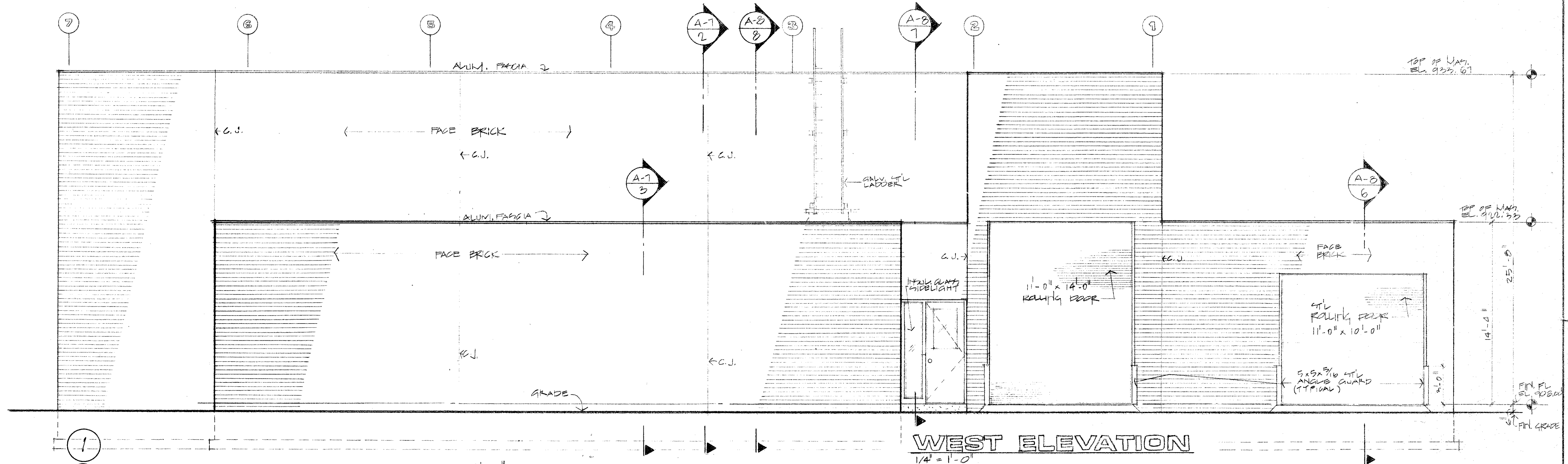


DETAIL-ROOF VENT
1/2" = 1'-0"



NORTH ELEVATION
1/4" = 1'-0"

AS BUILT		8/16/82		CONSULTING ENGINEERS		CITY OF ATLANTA		CITY OF ATLANTA, GEORGIA		MADISON-MADISON INTERNATIONAL / FLOOD & ASSOCIATES, INC.		ELEVATIONS	
				SUBMITTED BY: <i>[Signature]</i>		BUREAU OF WATER		DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER		CONSULTING ENGINEERING			
				REG. ENGR. GA. NO. 32334 DATE FEB 1979		T.E. STALLWORTH, JR., DIRECTOR		WATER IMPROVEMENT PROGRAM		Joint Venture			
				MADISON-MADISON INTERNATIONAL / FLOOD & ASSOCIATES, INC.		APPROVED BY: <i>[Signature]</i>		EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT		ATLANTA, GEORGIA			
						DATE: 3-15-79		WATER STORAGE AND PUMPING STATION		DESIGNED BY: J.L.		SHEET NO. 54 OF 62	
										CHECKED BY: W.M.			
										DATE: AUG. 1979			
										SCALE: 1/4" = 1'-0"			
										DRAWN BY: P.B.			
										PROJ. NO. 7749-02			



DETAIL

SECTION

SOUTH ELEVATION

AS BUILT

8/16/82

NO.	DESCRIPTION	BY	FIRM	DATE	BY	DATE

CONSULTING ENGINEERS
SUBMITTED BY: <i>[Signature]</i>
REG. ENGR. GA. NO. 3334 DATE 11/19/79
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.

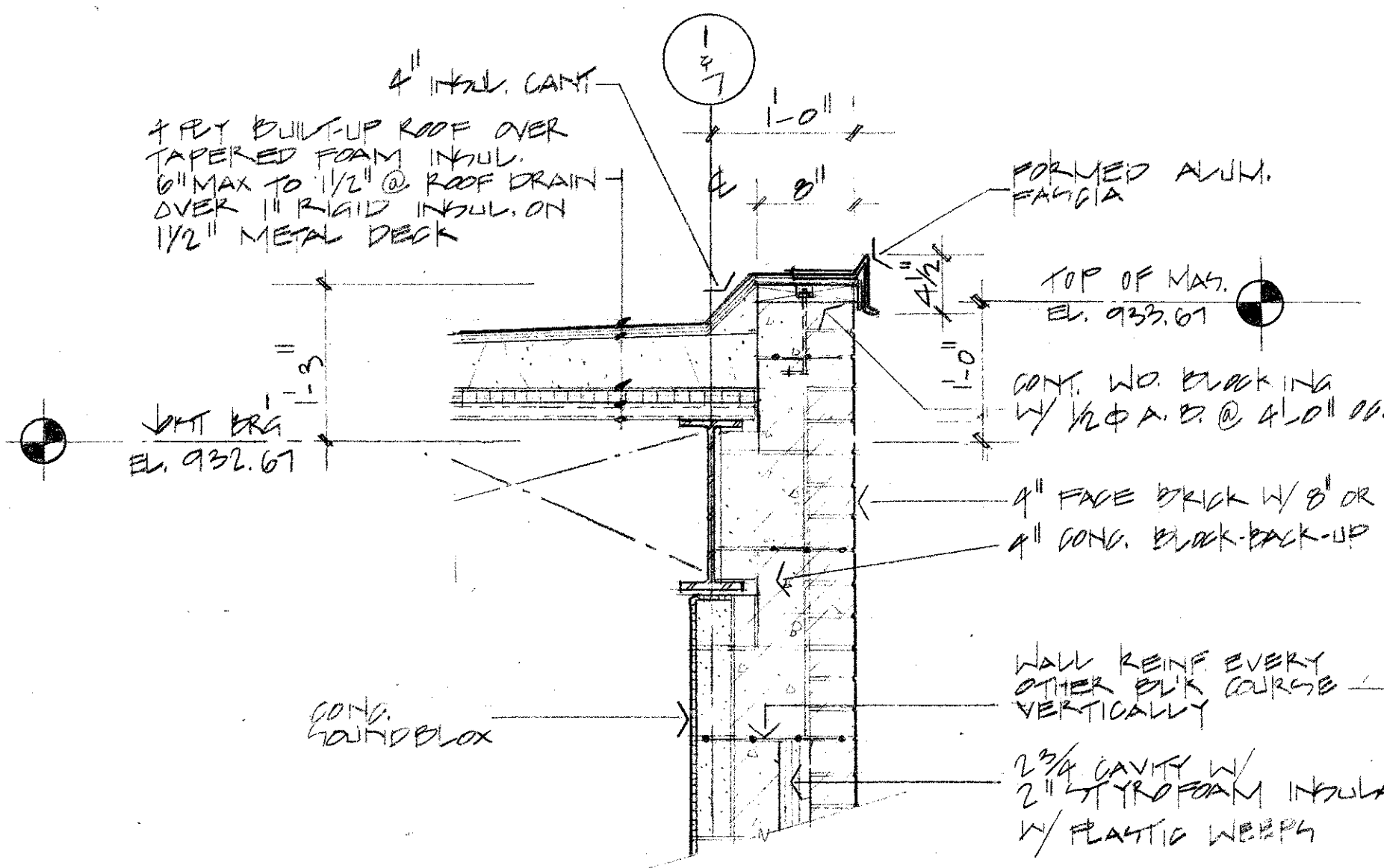
CITY OF ATLANTA
BUREAU OF WATER
T.E. STALLWORTH, JR., DIRECTOR
APPROVED BY: <i>[Signature]</i>
DATE: 3-15-79



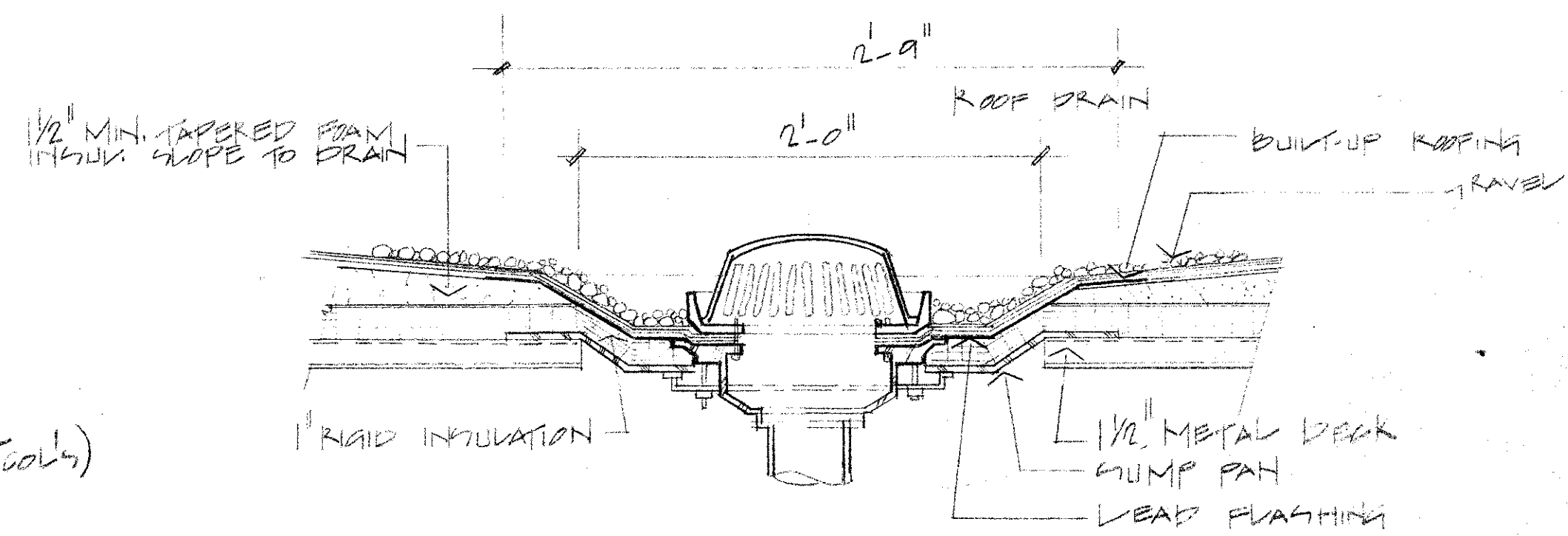
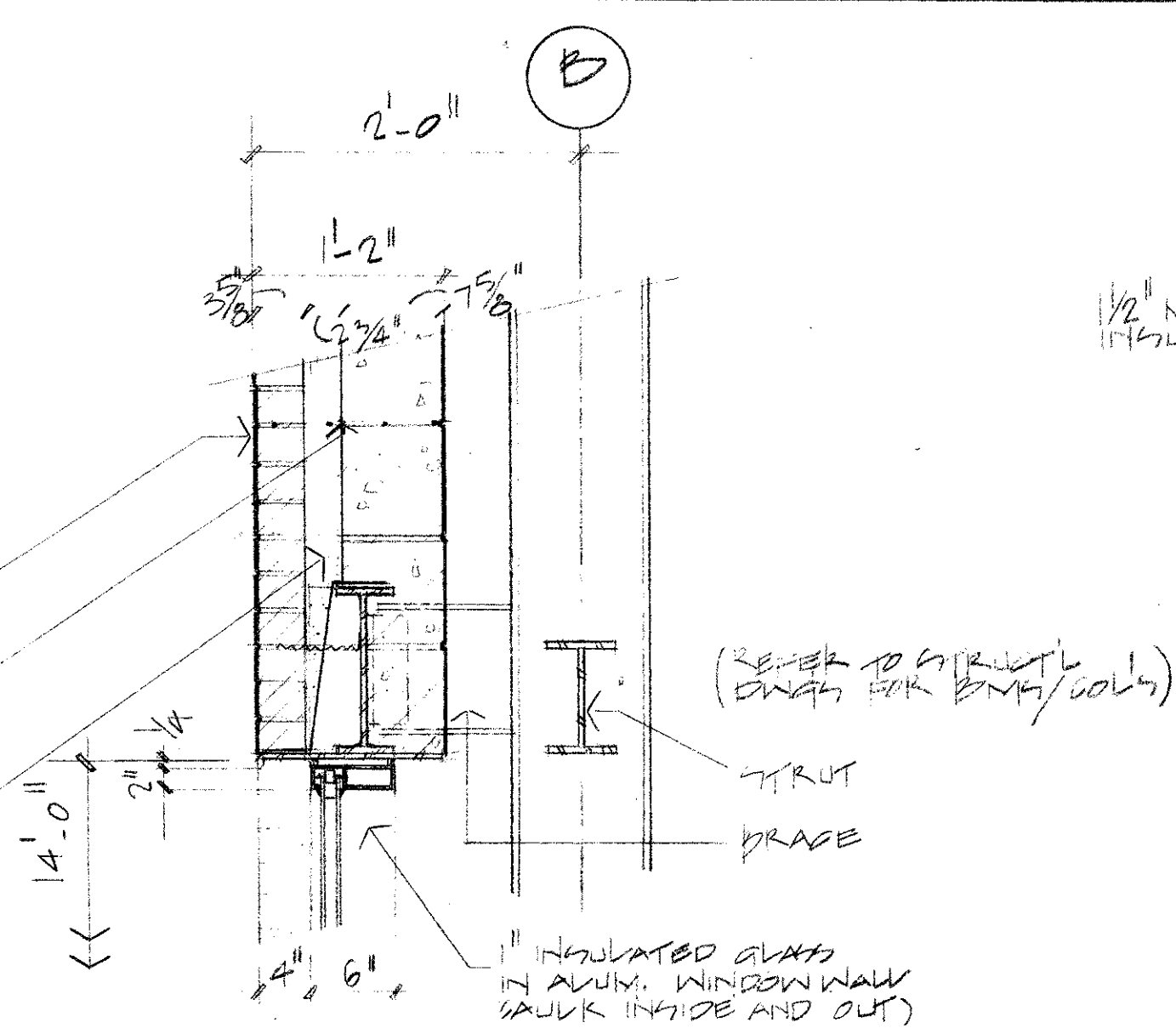
CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
Joint Venture
ATLANTA, GEORGIA
DESIGNED BY: J.L.
CHECKED BY: W.M.
DATE: AUG. 1979
DRAWN BY: P.B.
SCALE: AS SHOWN

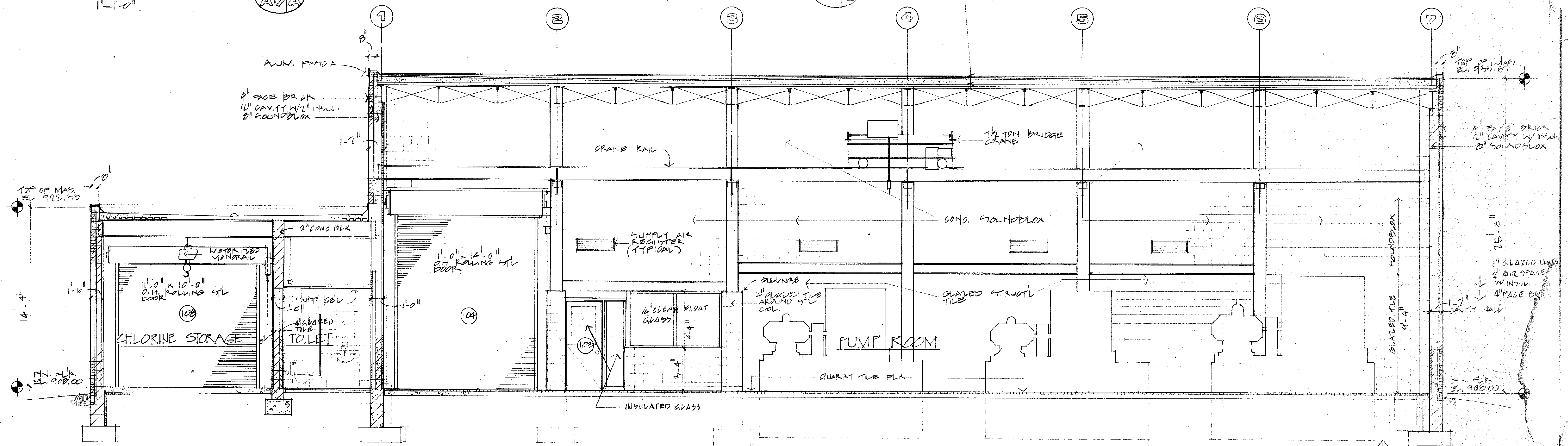
ELEVATIONS
PROJ. NO. 7749-02
SHEET NO. 55 OF 62



A-4
A7A



A=4
A6 C

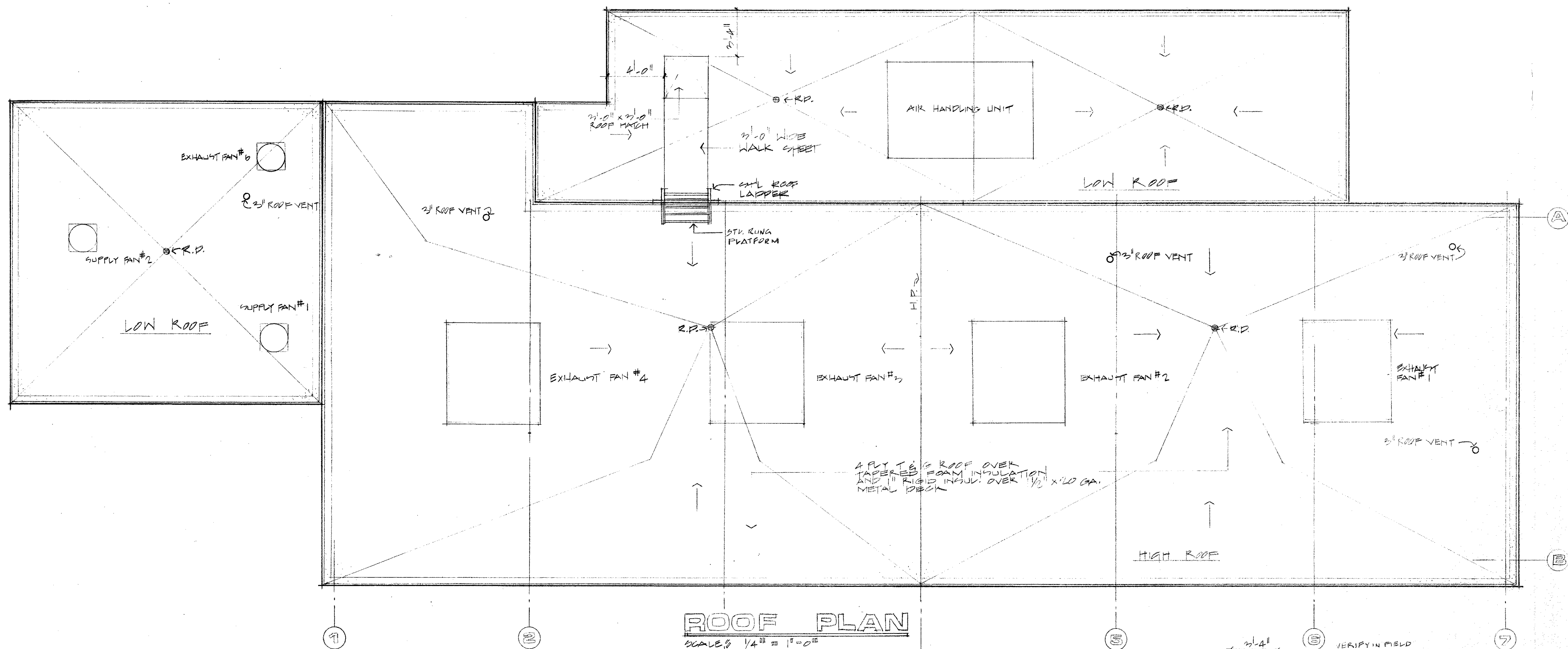


A-4
A.1 10

GENERAL NOTE:
FOR FOOTING SIZE AND DEPTH
REFER TO STRUCTURAL DWGS

81682

[illegible]

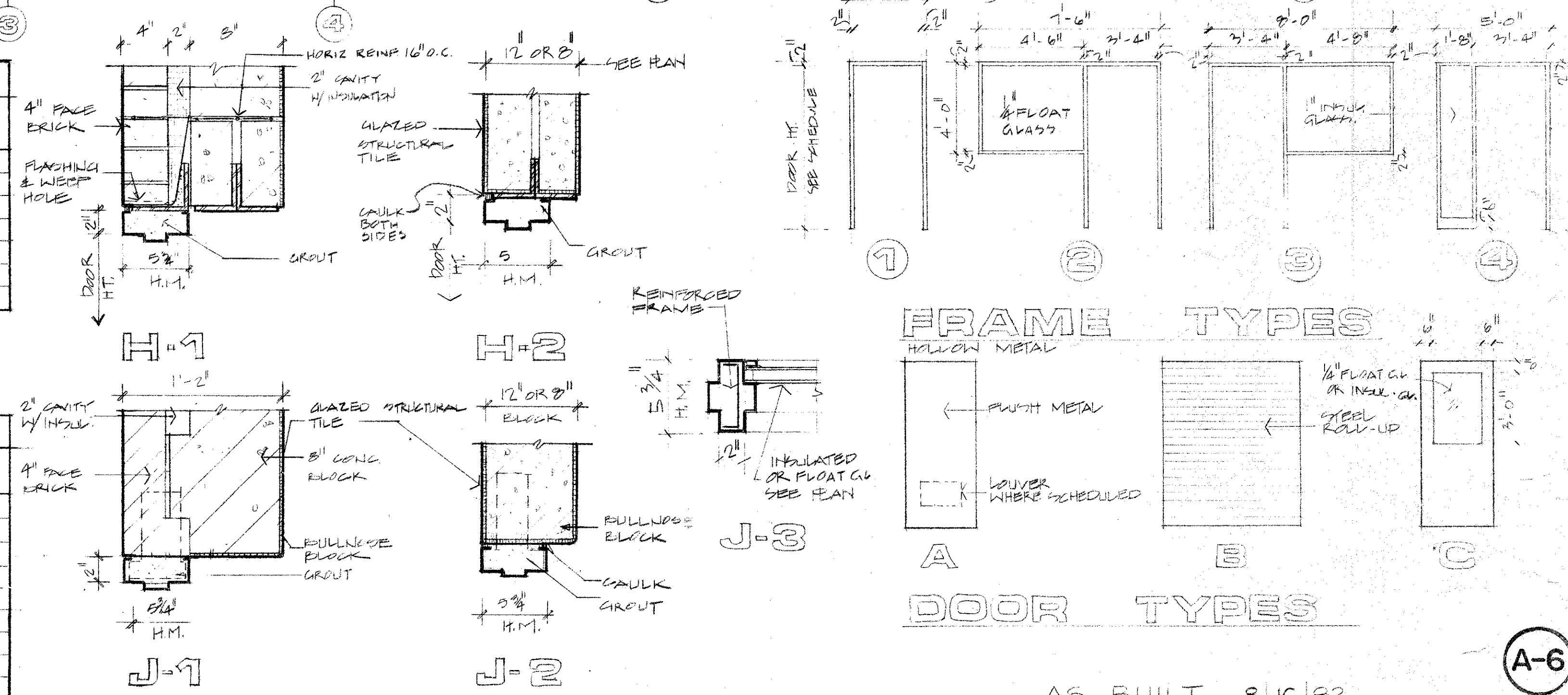


ROOF PLAN

GLASS 1/4" = 1'-0"

ROOM FINISH SCHEDULE									
Rm. No.	ROOM NAME	FLOOR	WALLS	CEILING	HEIGHT	REMARKS			
101	PUMP ROOM	QUARRY TILE	FACTORY	QUARRY TILE	8'-0"				
102	OFFICE	QUARRY TILE	FACTORY	QUARRY TILE	8'-0"				
103	STORAGE	QUARRY TILE	FACTORY	QUARRY TILE	8'-0"				
104	JANITOR	QUARRY TILE	FACTORY	QUARRY TILE	8'-0"				
105	TOILET	QUARRY TILE	FACTORY	QUARRY TILE	8'-0"				
106	CHLORINATOR ROOM	QUARRY TILE	FACTORY	QUARRY TILE	8'-0"				
107	CHLORINE STORAGE	QUARRY TILE	FACTORY	QUARRY TILE	8'-0"				

DOOR SCHEDULE									
DOOR NO.	DOOR SIZE	TYPE	FRAME				REMARKS		
			TYPE	MAT'L	HEAD	JAMB			
101	3'-0" x 7'-10" x 1 3/4"	C	H.M.	2	3/4	12x12	FLT GLASS LIGHT		
102	3'-0" x 7'-10" x 1 3/4"	A	H.M.	2	2	12x12			
103	3'-0" x 7'-10" x 1 3/4"	C	H.M.	4	1 1/3	12x12	INSULATED GLASS		
104	11'-0" x 4'-0"	B	STL	1	1	12x12	STL ROLL-UP DOOR		
105	3'-0" x 7'-2" x 1 3/4"	A	H.M.	2	2	12x12			
106	2'-0" x 7'-2" x 1 3/4"	A	H.M.	2	2	12x12			
107	3'-0" x 7'-10" x 1 3/4"	A	H.M.	1	1	12x12			
108	11'-0" x 5'-0" x 1 3/4"	B	STL	1	1	12x12			
109	3'-0" x 7'-10" x 1 3/4"	C	H.M.	1	1 1/3	12x12	STL ROLL-UP DOOR		



AS BUILT 8/16/82

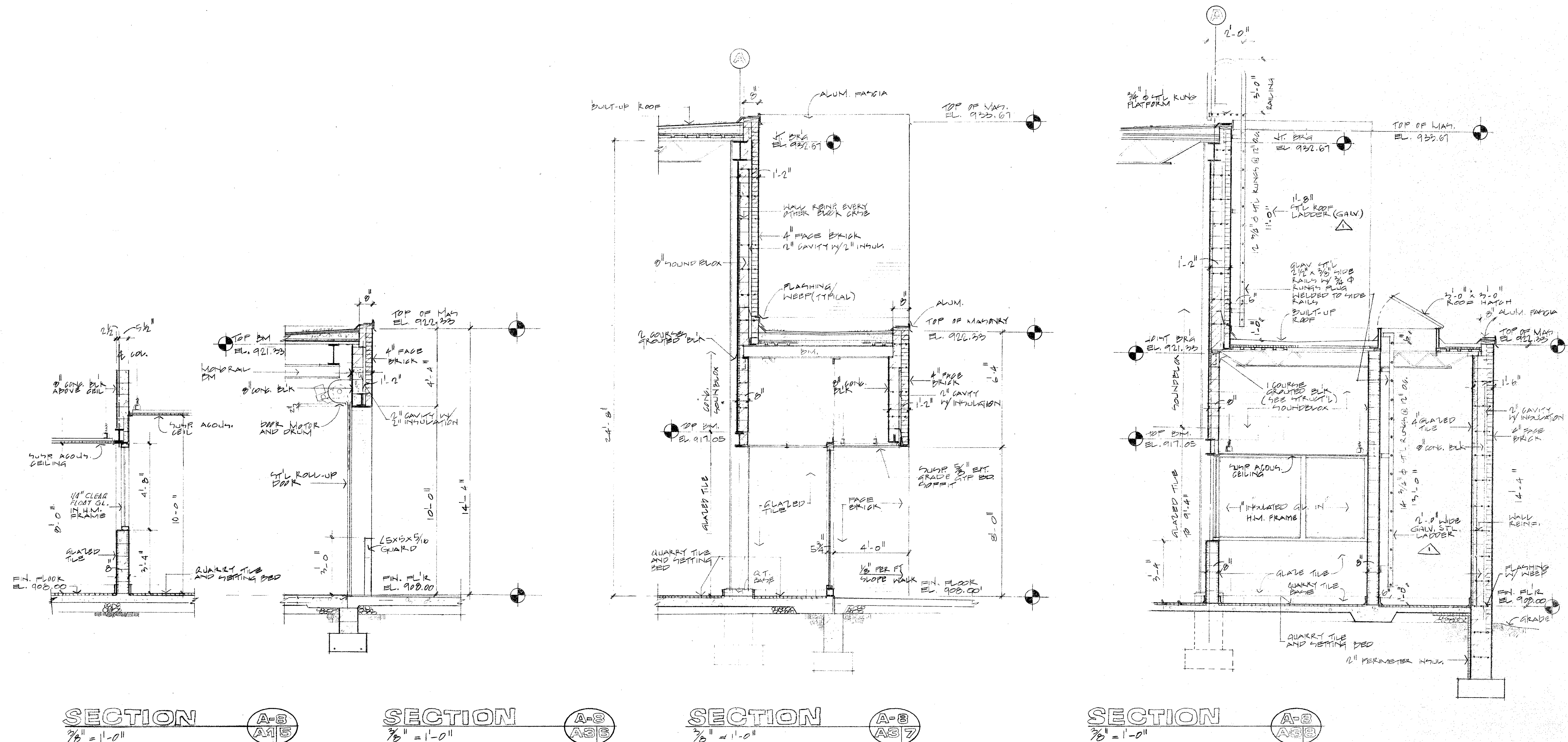
CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i> REG. ENGR. GA. NO. 3334 DATE FEB. 1979				CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: 3-15-79				CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA DESIGNED BY: J.L. CHECKED BY: W.M. DATE: AUG. 1979 DRAWN BY: J.G./G.C. SCALE: AS SHOWN PROJ. NO. 7749-02 SHEET NO. 58 OF 62			
NO. DESCRIPTION BY FIRM DATE BY DATE REVISIONS SUBMITTAL BUREAU OF WATER APPROVAL				MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.				ROOF PLAN							

A-6



8/6/82

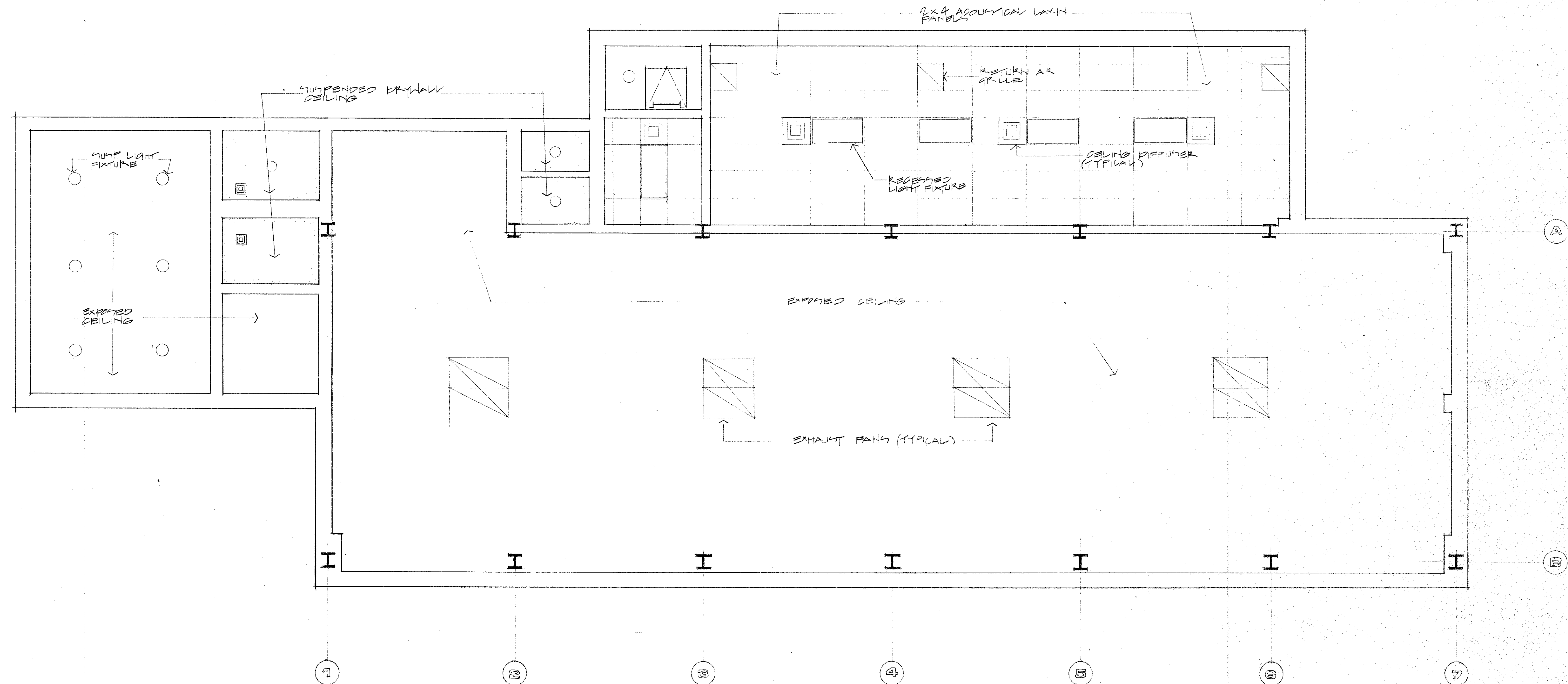
WALL SECTIONS



GENERAL NOTE:
FOR FOOTING SIZE AND DEPTH
REFER TO STRUCTURAL DWG'S

A-8

AS BUILT				8/16/82			
				</			

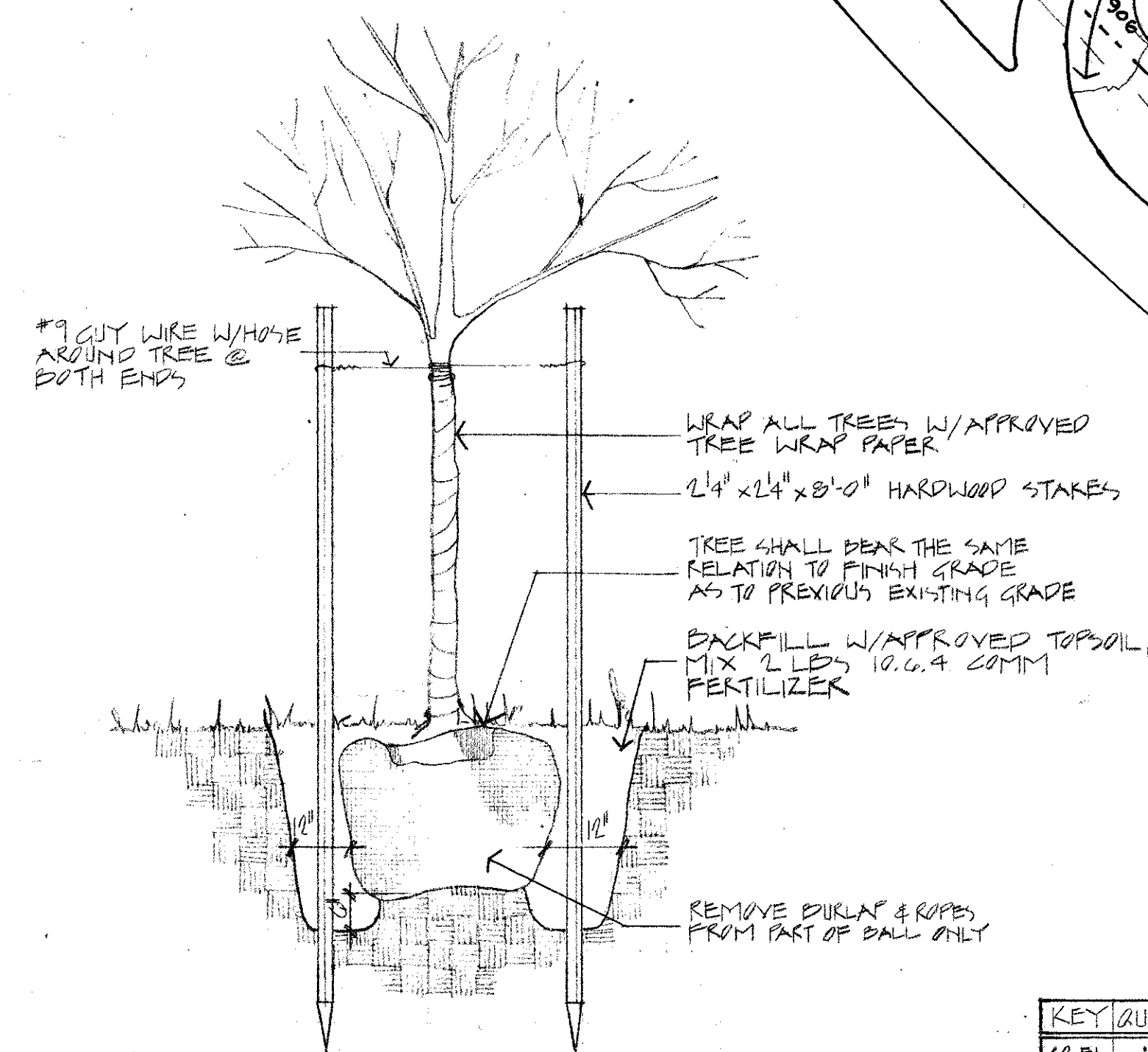
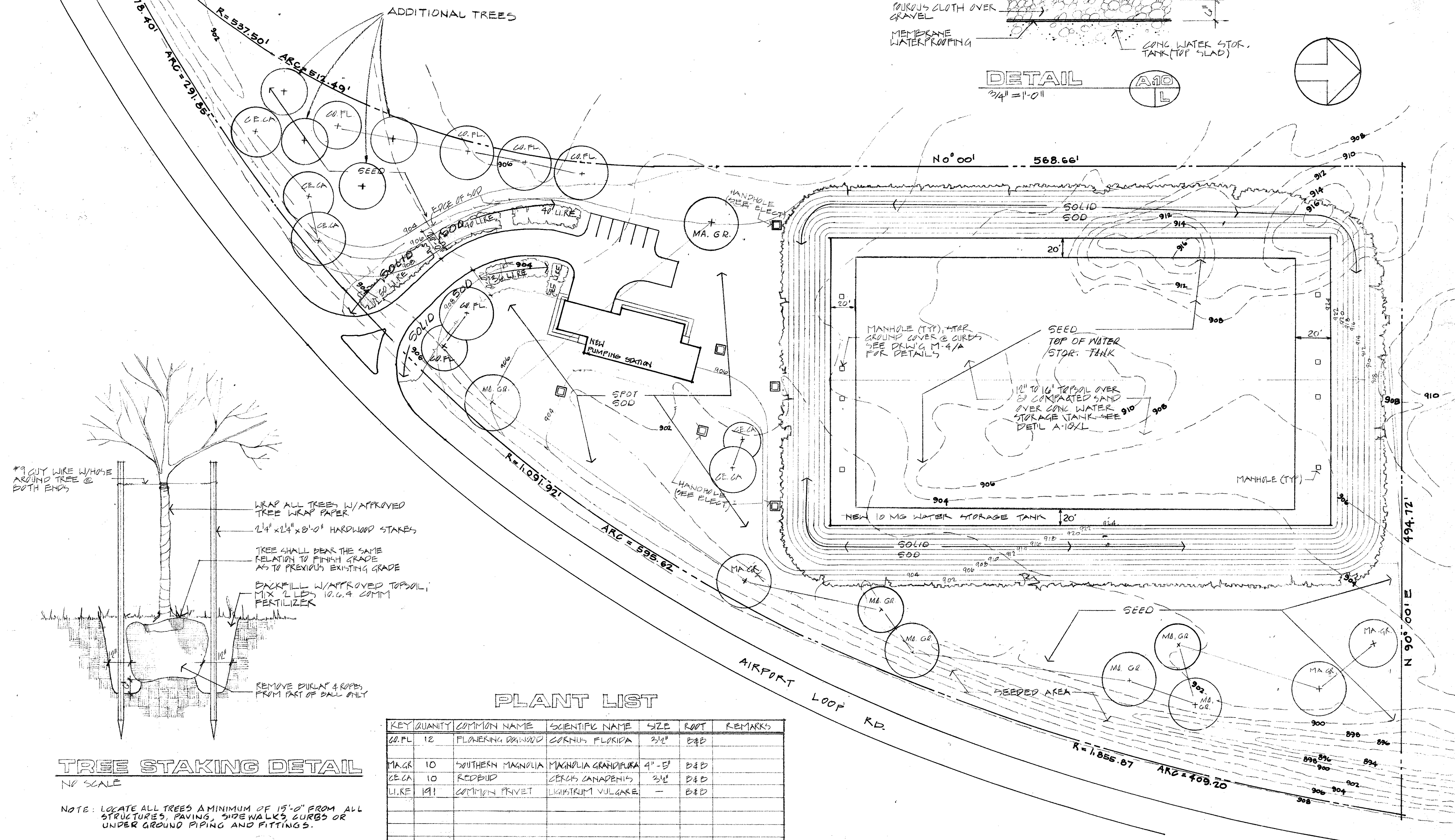
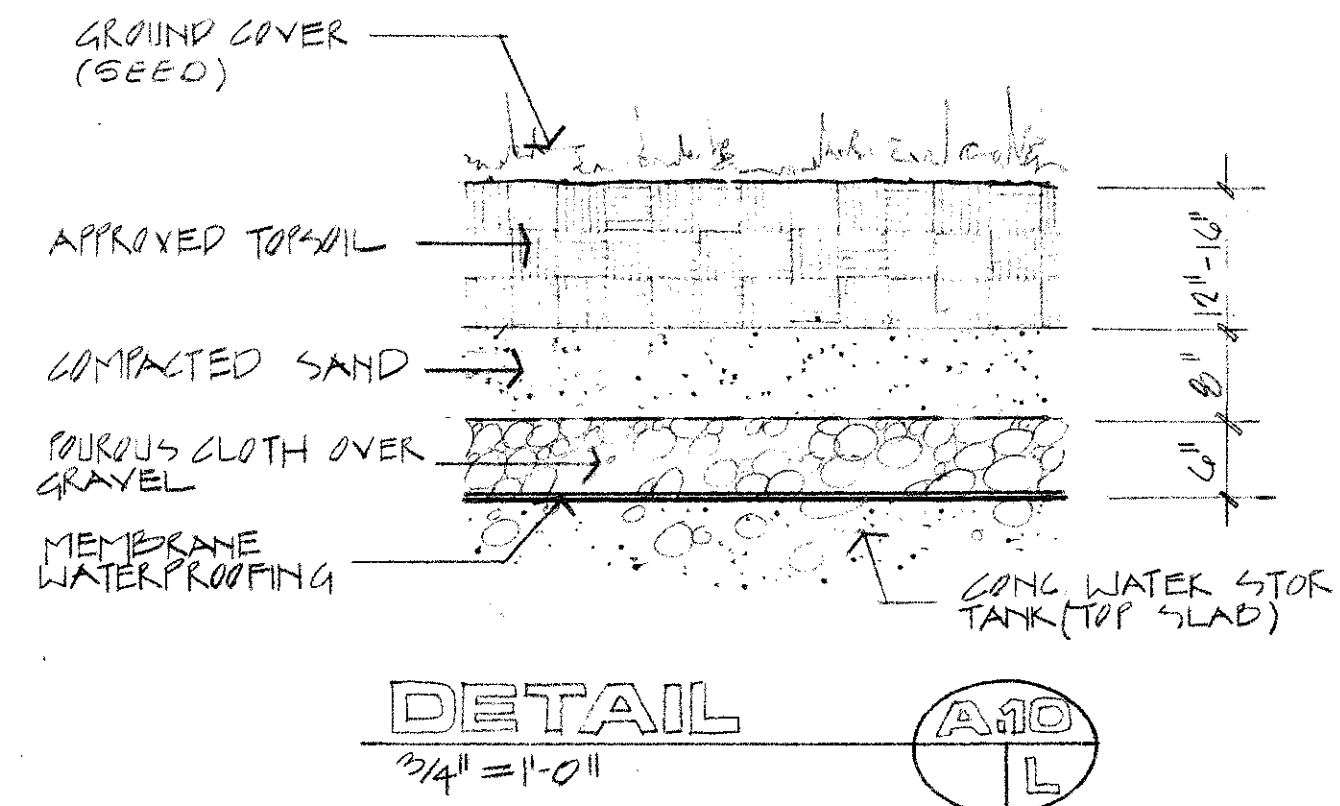


AS BUILT

8/16/82

A-9

										CONSULTING ENGINEERS SUBMITTED BY: <i>[Signature]</i> REG. ENGR. GA. NO. <u>32234</u> DATE <u>12-19-79</u>										CITY OF ATLANTA BUREAU OF WATER T.E. STALLWORTH, JR., DIRECTOR APPROVED BY: <i>[Signature]</i> DATE: <u>3-12-79</u>										CITY OF ATLANTA, GEORGIA DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER WATER IMPROVEMENT PROGRAM EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE AND PUMPING STATION										MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC. CONSULTING ENGINEERING Joint Venture ATLANTA, GEORGIA										REFLECTED CEILING PLAN									
NO. DESCRIPTION BY FIRM DATE BY DATE REVISIONS SUBMITTAL BUREAU OF WATER APPROVAL										MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.										DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER										DEPARTMENT OF ENVIRONMENT AND STREETS										DESIGNED BY: <u>J.L.</u> CHECKED BY: <u>W.M.</u> DATE: <u>AUG. 1979</u> DRAWN BY: <u>J.G.</u> SCALE: <u>1/4" = 1'-0"</u>										PROJ. NO. <u>7749-02</u> SHEET NO. <u>61</u> OF <u>62</u>									



TREE STAKING DETAIL
NO SCALE

NOTE: LOCATE ALL TREES A MINIMUM OF 15'-0" FROM ALL STRUCTURES, PAVING, SIDEWALKS, CURBS OR UNDER GROUND PIPING AND FITTINGS.

PLANT LIST

KEY	QUANTITY	COMMON NAME	SCIENTIFIC NAME	SIZE	ROOT	REMARKS
CO.FL	12	FLOWERING DOGWOOD	CORNUS FLORIDA	3 1/2"	B&D	
MA.GR	10	SOUTHERN MAGNOLIA	MAGNOLIA GRANDIFLORA	4" - 5"	B&D	
CE.CA	10	REDBUD	CERIS CANADENSIS	3 1/2"	B&D	
LIKE	191	COMMON PRIVET	LIGUSTRUM VULGARE	-	B&D	

AS BUILT

8/16/82

NO.	DESCRIPTION	BY	FIRM	DATE	BY	DATE
	REVISIONS					

CONSULTING ENGINEERS
SUBMITTED BY: *[Signature]*
REG. ENGR. GA. NO. 23334 DATE FEB. 1979
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.

CITY OF ATLANTA
BUREAU OF WATER
T.E. STALLWORTH, JR., DIRECTOR
APPROVED BY: *[Signature]*
DATE: 3-15-79



CITY OF ATLANTA, GEORGIA
DEPARTMENT OF ENVIRONMENT & STREETS BUREAU OF WATER
WATER IMPROVEMENT PROGRAM
EAST SIDE HARTSFIELD INTERNATIONAL AIRPORT
WATER STORAGE AND PUMPING STATION

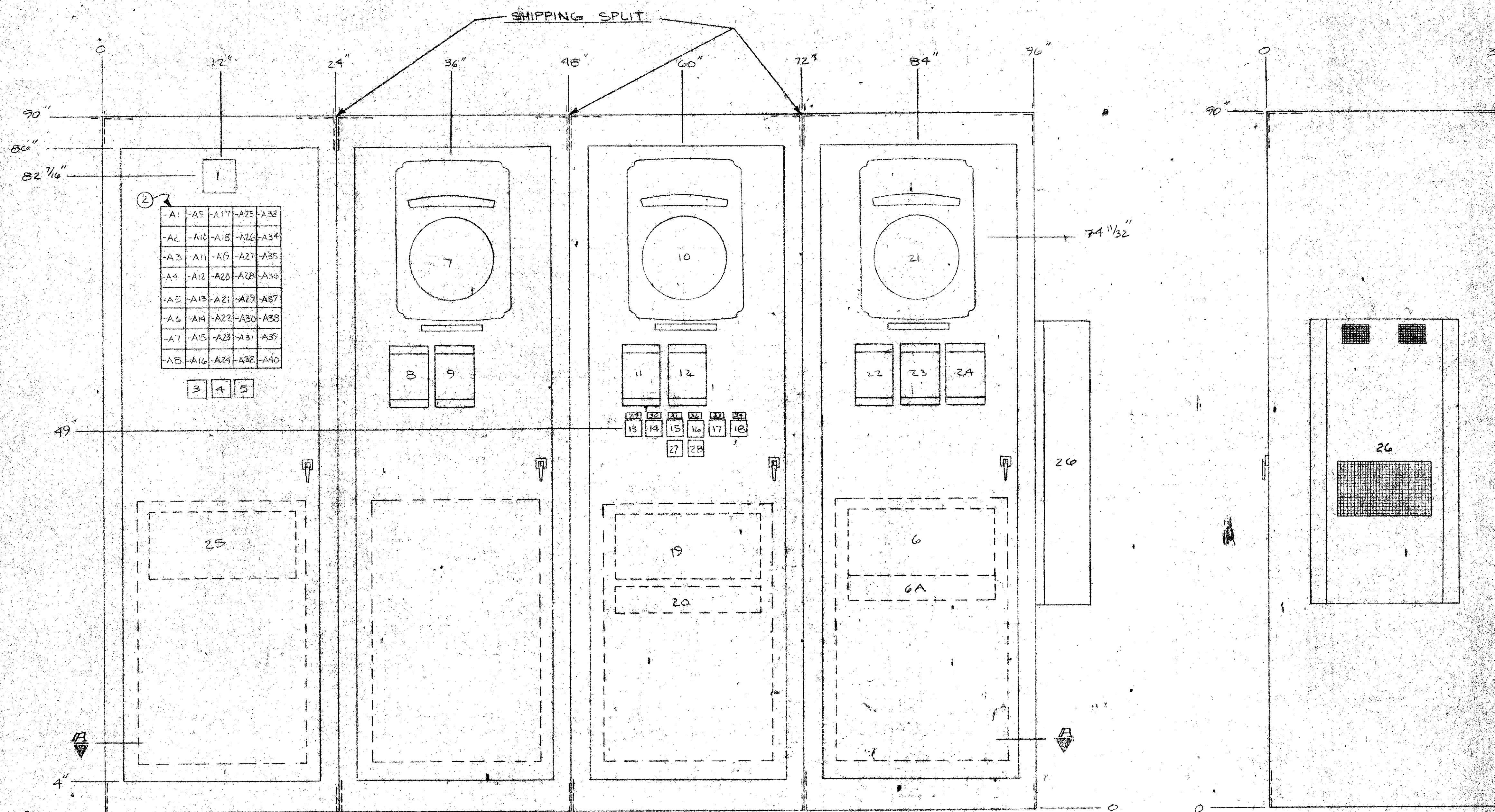
MADISON · MADISON · INTERNATIONAL / FLOOD & ASSOCIATES, INC.
CONSULTING ENGINEERING
Joint Venture
ATLANTA, GEORGIA

DESIGNED BY: J.L. CHECKED BY: J.G. DATE: AUG. 1979
DRAWN BY: C.H. SCALE: 1" = 40'

SITE PLANTING PLAN

PROJ. NO. 7749-02 SHEET NO. 62 OF 62

A-10

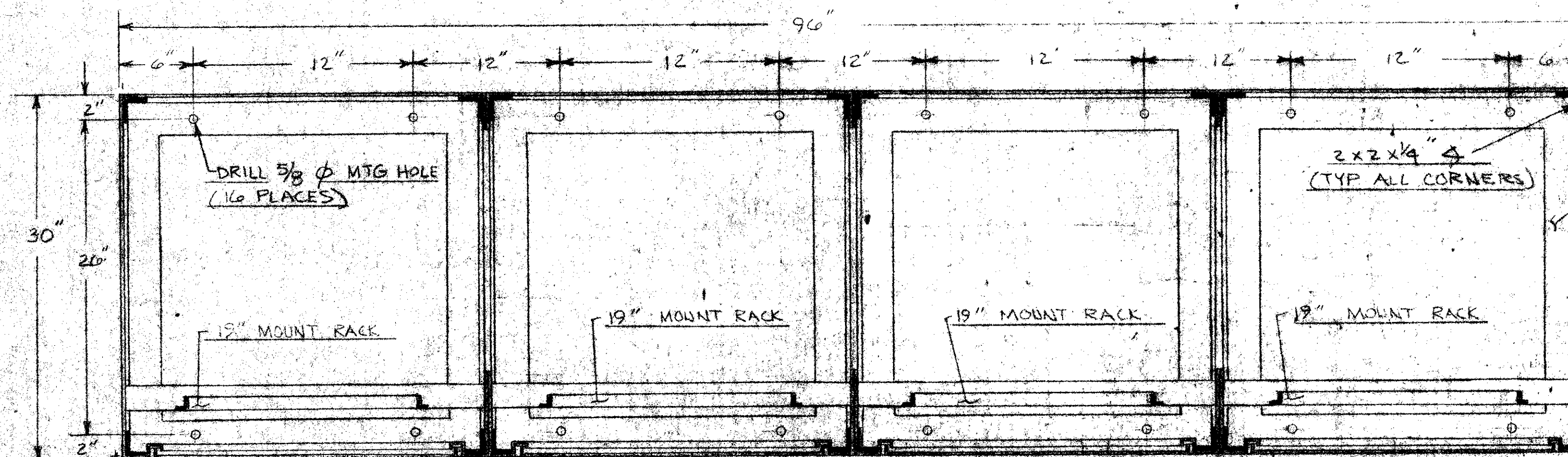


FRONT VIEW

RIGHT SIDE VIEW
(LEFT SIDE VIEW IS MIRROR
IMAGE OF RIGHT SIDE VIEW
W/O ITEM 26)

NOTES:

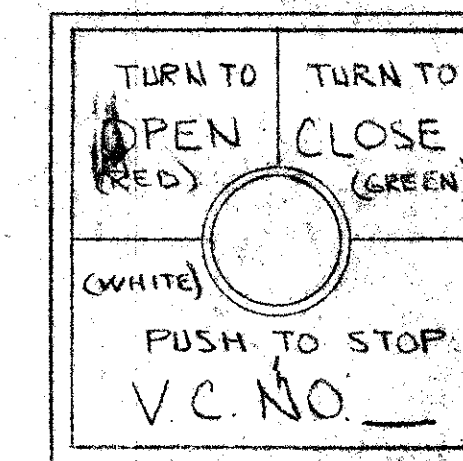
1) SEE GENERAL NOTES LOCATED
ON DWG C-75087-27



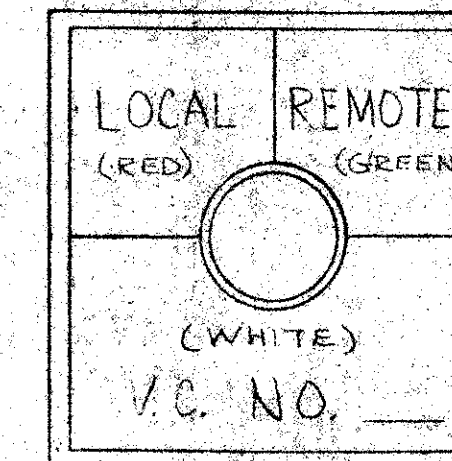
SECTION A-A

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ITEM	MARK #	DESIGN #	MANUFACTURER	DESCRIPTION	RANGE	DETAIL	LEGEND	SERIAL #
1	2-17	H-11-1	PANATONE PD	ANNUNCIATOR HORN				
2		LB11-1	PANALARM SERIES 80	ANNUNCIATOR				
2-A1				WINDOW			DISCHARGE PRESSURE HIGH	
-A2							LOW	
-A3							PUMP #1 LOW DISCHARGE PRESSURE	
-A4							#2	
-A5							#3	
-A6							#4	
-A7							PUMP #1 LOSS OF PRIME	
-A8							#2	
-A9							#3	
-A10							#4	
-A11							VACUUM PRIME SYSTEM-ALARM	
-A12							VALVE ACTUATING SYSTEM-LOW PRESS	
-A13							PUMP #1 EMERGENCY SHUTDOWN	
-A14							#2	
-A15							#3	
-A16							#4	
-A17							PUMP #1 HIGH TEMPERATURE ALARM	
-A18							#2	
-A19							#3	
-A20							#4	
-A21							STORAGE TANK #1 HIGH CAPACITY	
-A22							#1 LOW	
-A23							#2 HIGH	
-A24							#2 LOW	
-A25							STORAGE TANKS TOTAL LOW	
-A26							FIRE ALARM	
-A27							POWER FAILURE - LINE #1	
-A28							#2	
-A29							EMERGENCY TIE BREAKER - CLOSED	
-A30							INSTRUMENT PANEL EMERGENCY POWER ON	
-A31							REMOTE TERMINAL UNIT FAILURE	
-A32							(SPARE)	
-A33							PUMP NO.1 CHECK VALVE FAILURE	
-A34							PUMP NO.2	
-A35							PUMP NO.3	
-A36							PUMP NO.4	
-A37							(SPARE)	
-A38								
-A39								
-A40								
3	2-35		MICRO SWITCH, PT	PUSHBUTTON			TEST	
4	2-38			SELECTOR SWITCH			HORN ENABLE	
5	2-36			PUSHBUTTON			ACKNOWLEDGE	
6	2-18	UPS-1	TOPAZ, 1000	UNINTERRUPTIBLE POWER SYSTEM	1000VA		BACKUP POWER SUPPLY	
6A			2566-2	MAINTENANCE-FREE BATTERY	140MIN			
7	2-10	FR-3	BIF, 259-21	INDICATOR/RECORDER	0-50MGD		STATION TOTAL FLOW	
8	2-9	FI-1	253-00	FLOW INDICATOR	0-25MGD		NORTH SYSTEM FLOW	
9	2-9	FI-2			0-25MGD		SOUTH	
10	2-7	LR-3	259-21	INDICATOR/RECORDER	0-10 MG		TOTAL STORAGE TANK LEVEL	
11	2-5	LI-1	253-00	LEVEL INDICATOR	0-5MG		STORAGE TANK #1 LEVEL	
12	2-6	LI-2			0-5MG		#2	
13	2-33	VC-1	MICRO SWITCH, CMC	PUSHBUTTON/SELECTOR SWITCH			V.C. NO. 1	
14		VC-2					2	
15		VC-3					3	
16		VC-4					4	
17		VC-8					8	
18		VC-9					9	
19	2-15	VSP5	BAILEY 701	CONTROLLER			NORTH SYSTEM DISCHARGE	
		VSP6					AIRPORT	
		VSP7					SOUTH	
20		PA10-1	SHURE M-67	PA SYSTEM				
21	2-4	PR-1	BIF, 259-21	INDICATOR/RECORDER	0-200PSI		PUMP DISCHARGE PRESSURE	
22	2-1	PI-1	253-06	PRESSURE INDICATOR	0-200PSI		NORTH SYSTEM PRESSURE	
23	2-2	PI-2					SOUTH	
24	2-3	PI-3					AIRPORT	
25	SA-1	RTU	TURBITROL 1674/1	REMOTE TERMINAL UNIT				
26	2-19		McLEAN HP-3600	HEAT EXCHANGER				
27	2-34	VC-3	MICRO-SWITCH, CMC	SELECTOR SWITCH			V.C. NO. 3	
28		VC-4					V.C. NO. 4	
29				NAMEPLATE			TANK NO.1 FILL LINE VALVE	
30							2	
31							1 DISCHARGE	
32							2	
33							1 ALTITUDE	
34							2	



DETAIL A
(SCALE: FULL)

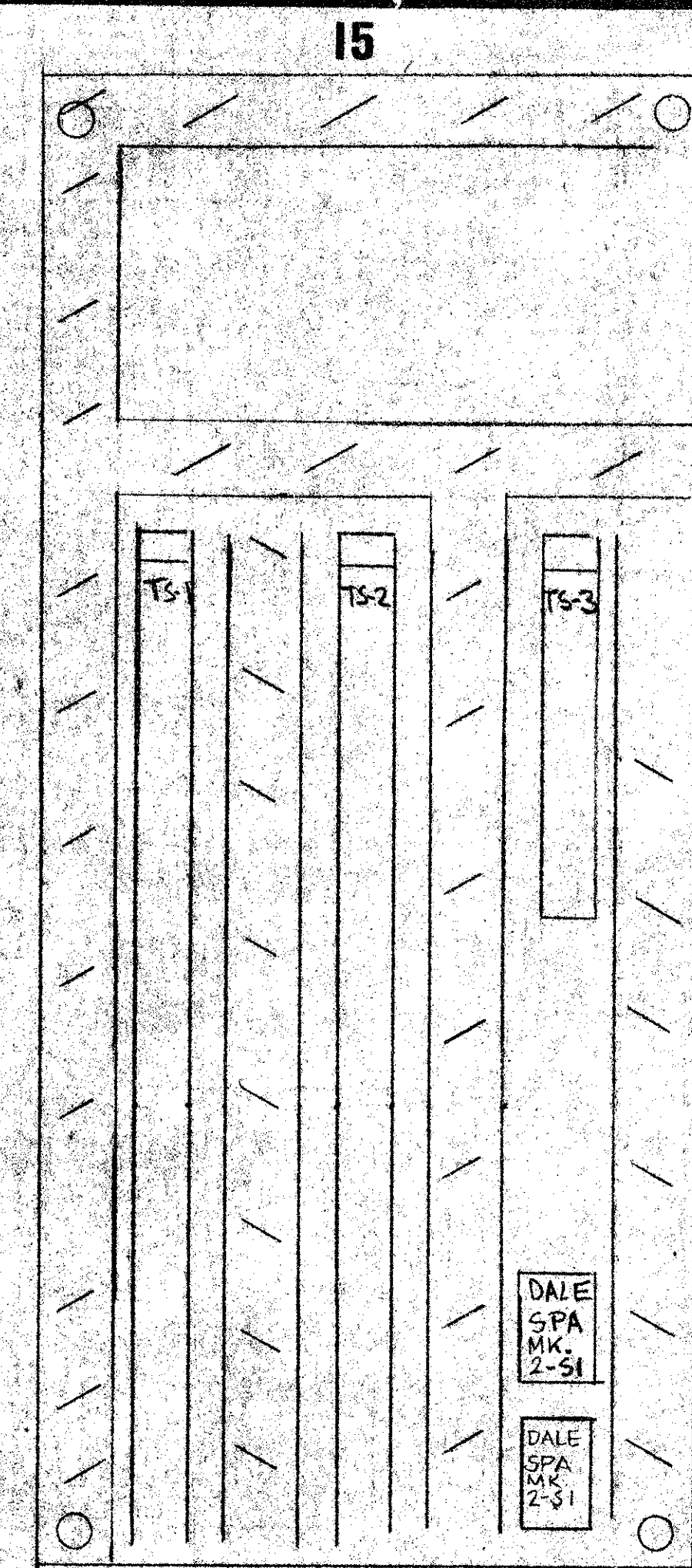
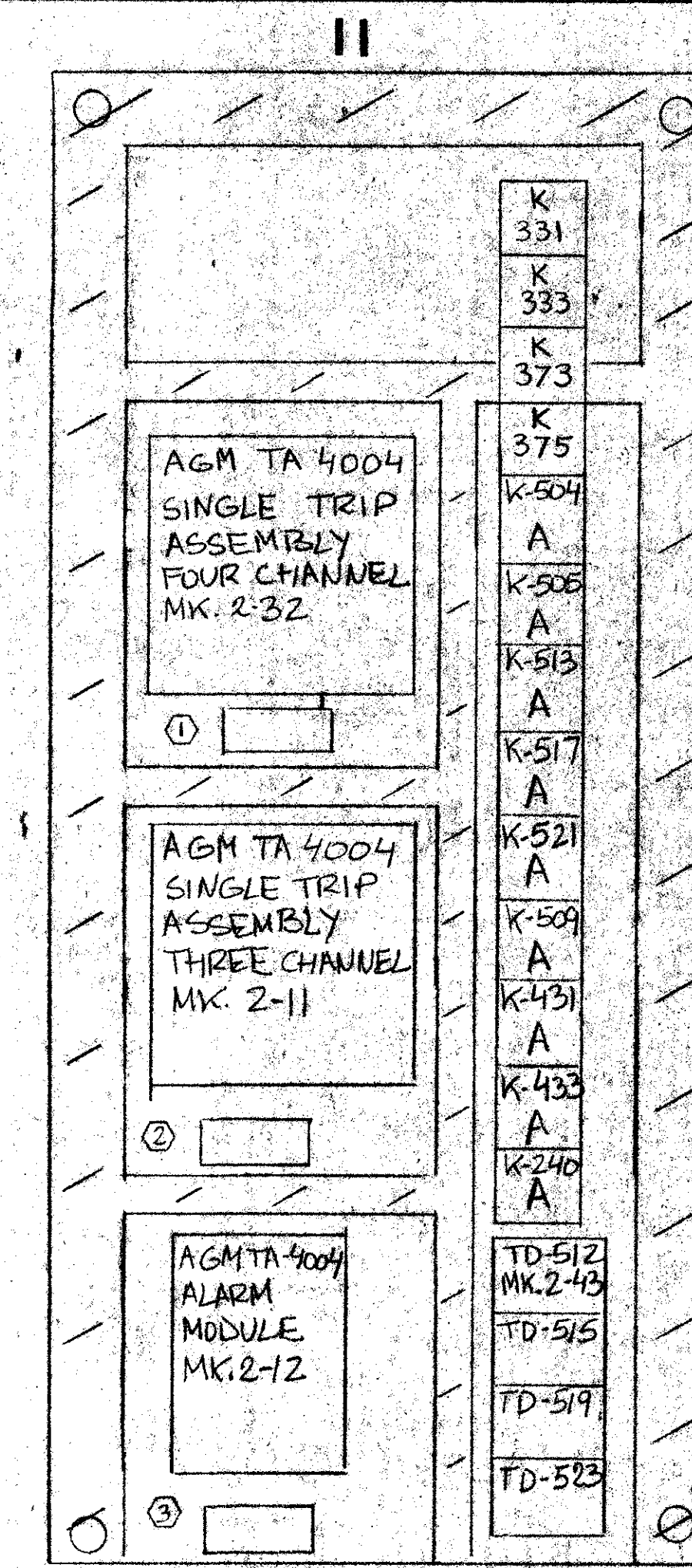
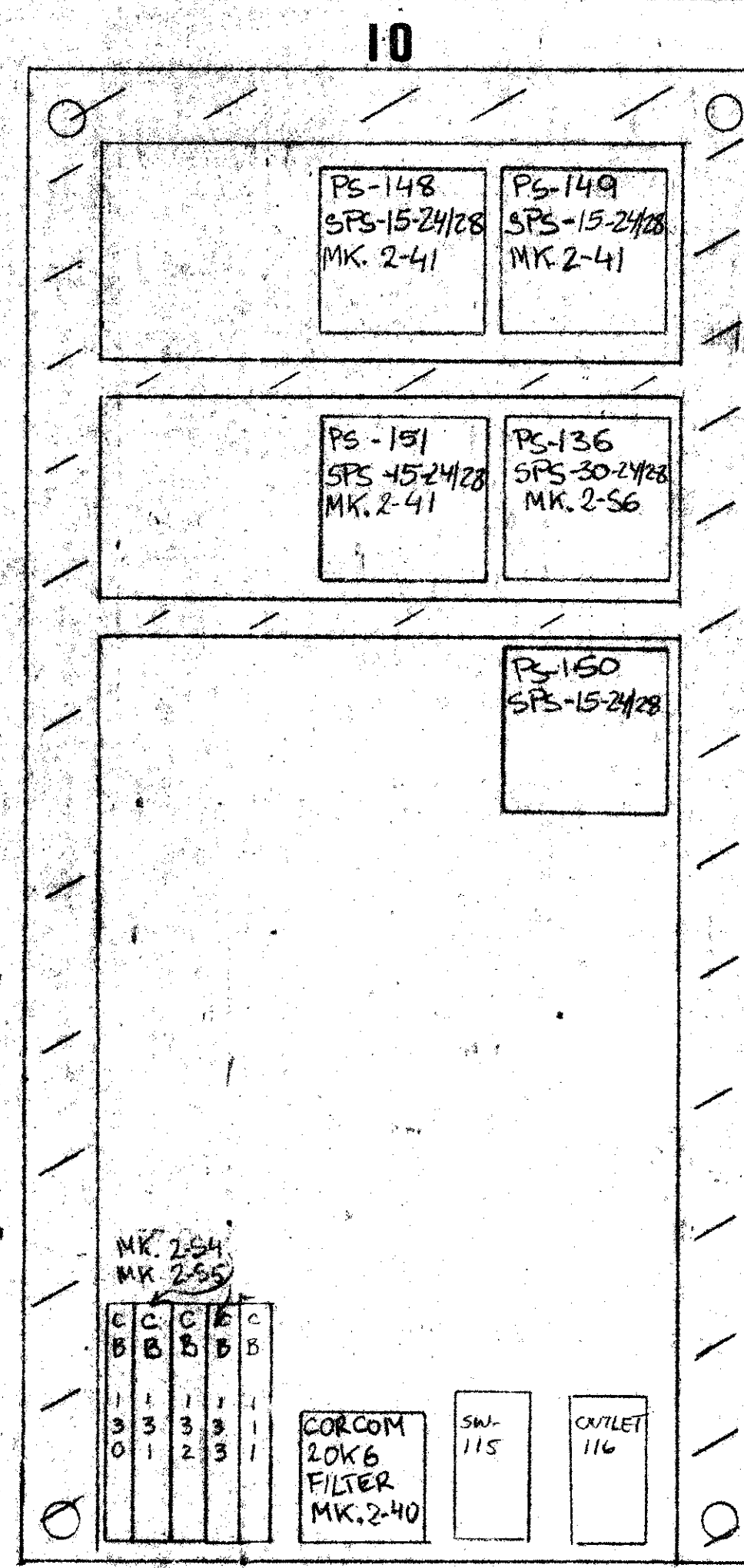
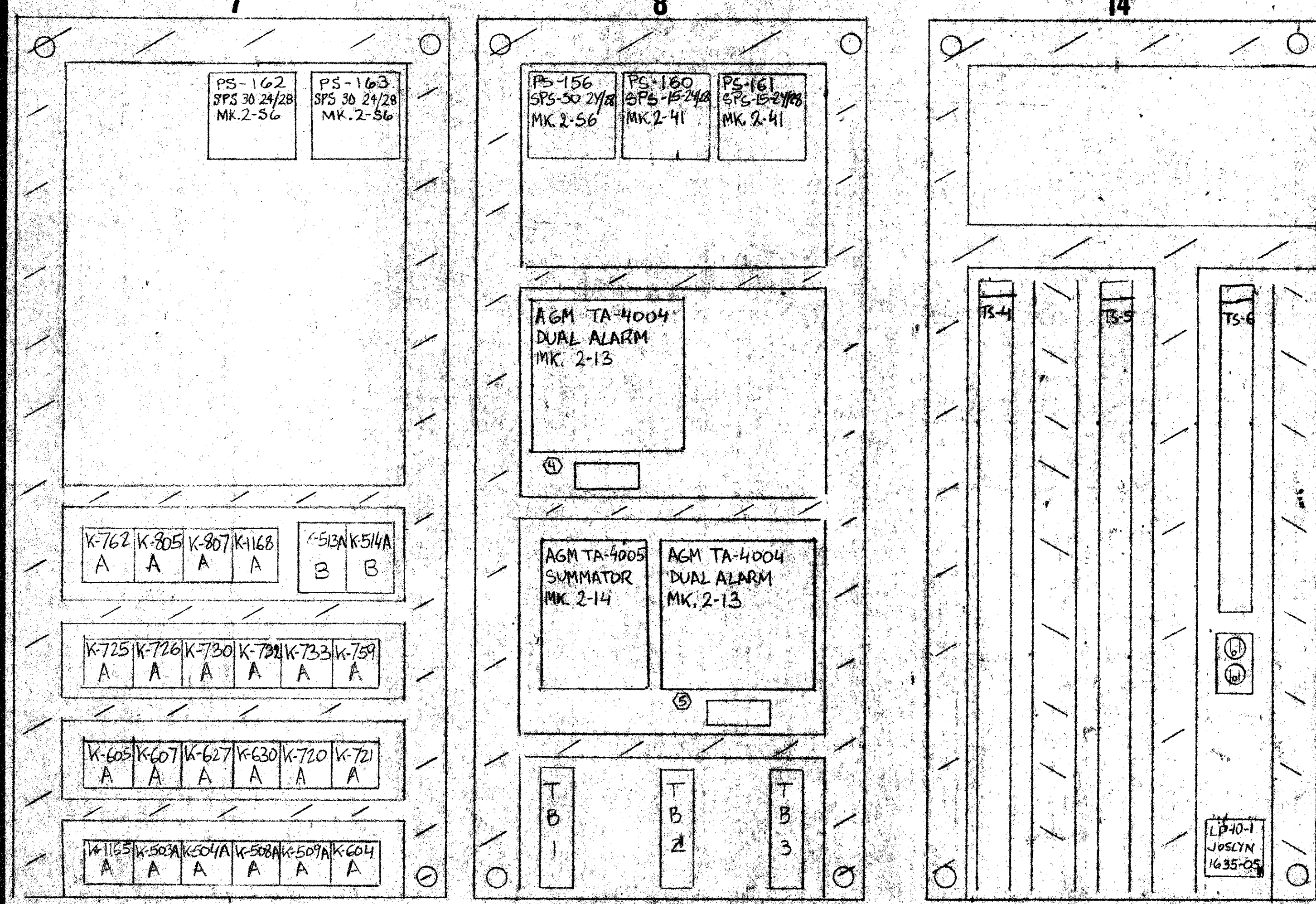
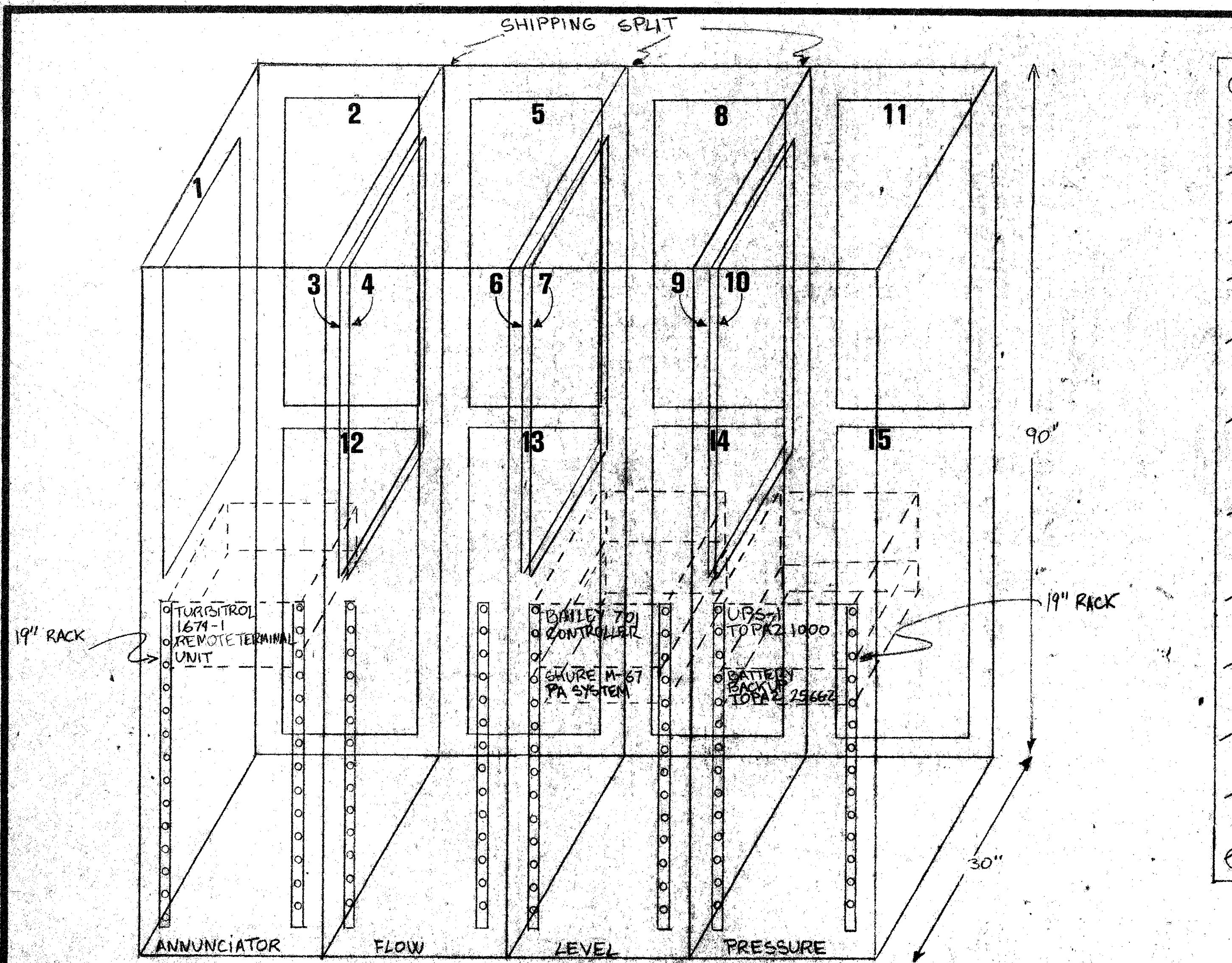


DETAIL B
(SCALE: FULL)

GENERAL NOTES

- 1) CONSTRUCTED OF 1/2 GA. H.R.P. & O. STEEL. ALL SEAM WELDED AND GROUND SMOOTH.
 - 2) DOORS HAVE HIDDEN HINGES AND THREE POINT LATCH SYSTEM W/ KEY LOCK HANDLE.
 - 3) FINISH:
 - A) PRIME ONE COAT OF CHLORINATED RUBBER, (SHERWIN WILLIAMS "KEM KROMIK" #B50NZ OR EQUAL), COLOR, RED OXIDE.
 - B) PRIME EXTERIOR ONE COAT OR AS MANY AS REQUIRED TO MAKE SMOOTH AND BLEMISH FREE FOR PAINTING; POLYURETHANE SANDING PRIMER, (SHERWIN WILLIAMS "SPEED FILL" #D-61A23 OR EQUAL), COLOR, LIGHT GRAY.
 - C) PAINT INTERIOR ONE COAT, EXTERIOR TWO COATS OF CATALYZED POLYURETHANE ENAMEL, (SHERWIN WILLIAMS "POLANE" CATALYZED W/"B" #V66VZ7 CATALYST OR EQUAL).
- INTERIOR COLOR - WHITE
EXTERIOR COLOR - ASA NO. 61 GRAY # F63 A 31

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DATE	NAME	SIGNATURE	DATE	PROJECT - LOCATION	REV. NO.		
2-1-80	R.J. VAUGHN	[Signature]	3/4/80	EAST HARTSFIELD INTERNATIONAL AIRPORT WATER STORAGE & PUMPING STATION	REV. NO. 101123		
1-20-80	FIRMIN	[Signature]	3-12-80	ATLANTA, GA	REV. NO. C-79087-27016-M2		
1-20-80	R.J. VAUGHN	[Signature]	3/4/80				
1-20-80	GOLDMAN	[Signature]	8/11/80				
1-20-80	R. GLASS	[Signature]	8/12/80				
REV	DATE	DESCRIPTION	COORD. BY	SCALE			
1	1-20-80	FIRST ISSUE					

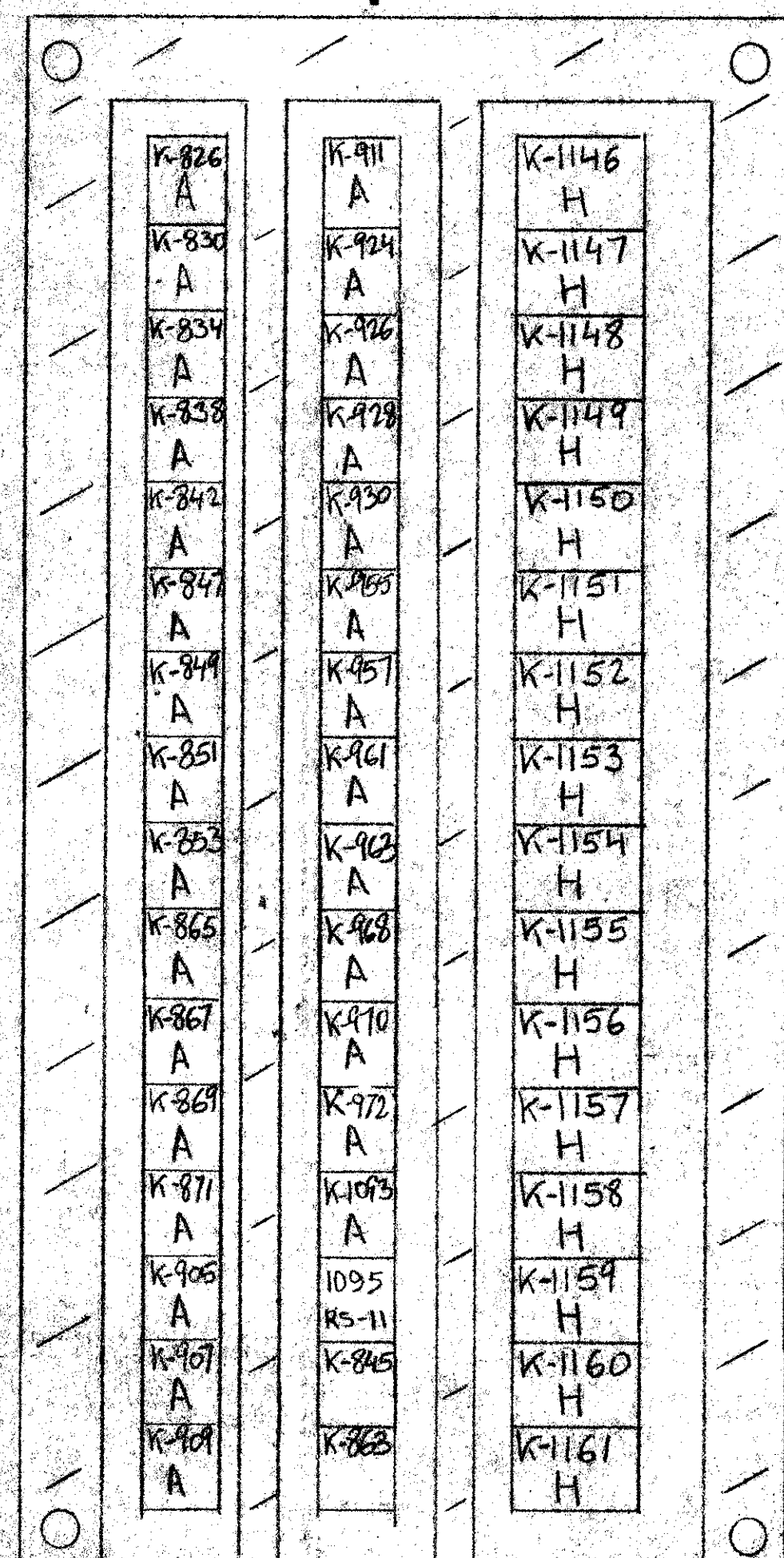
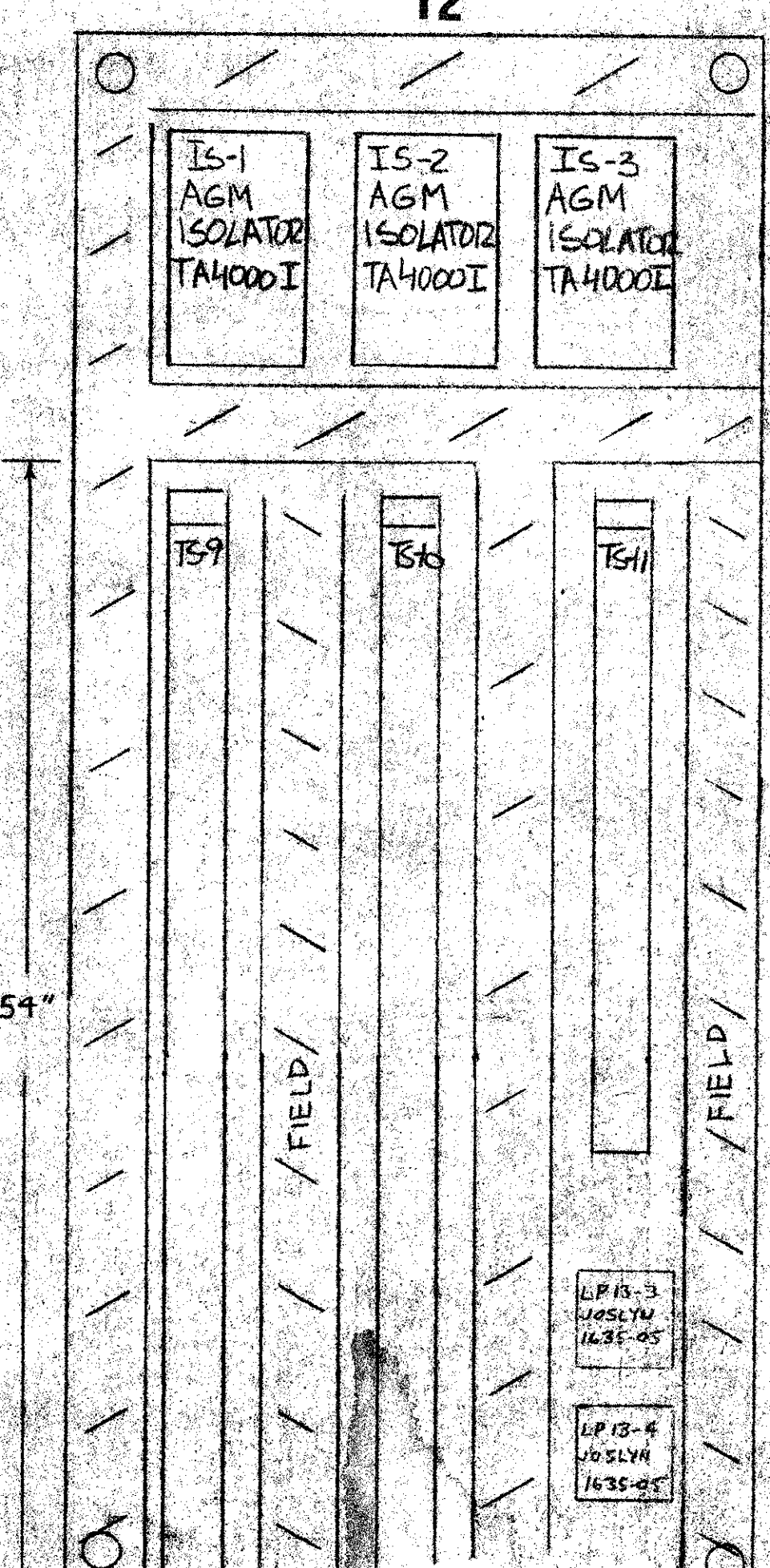
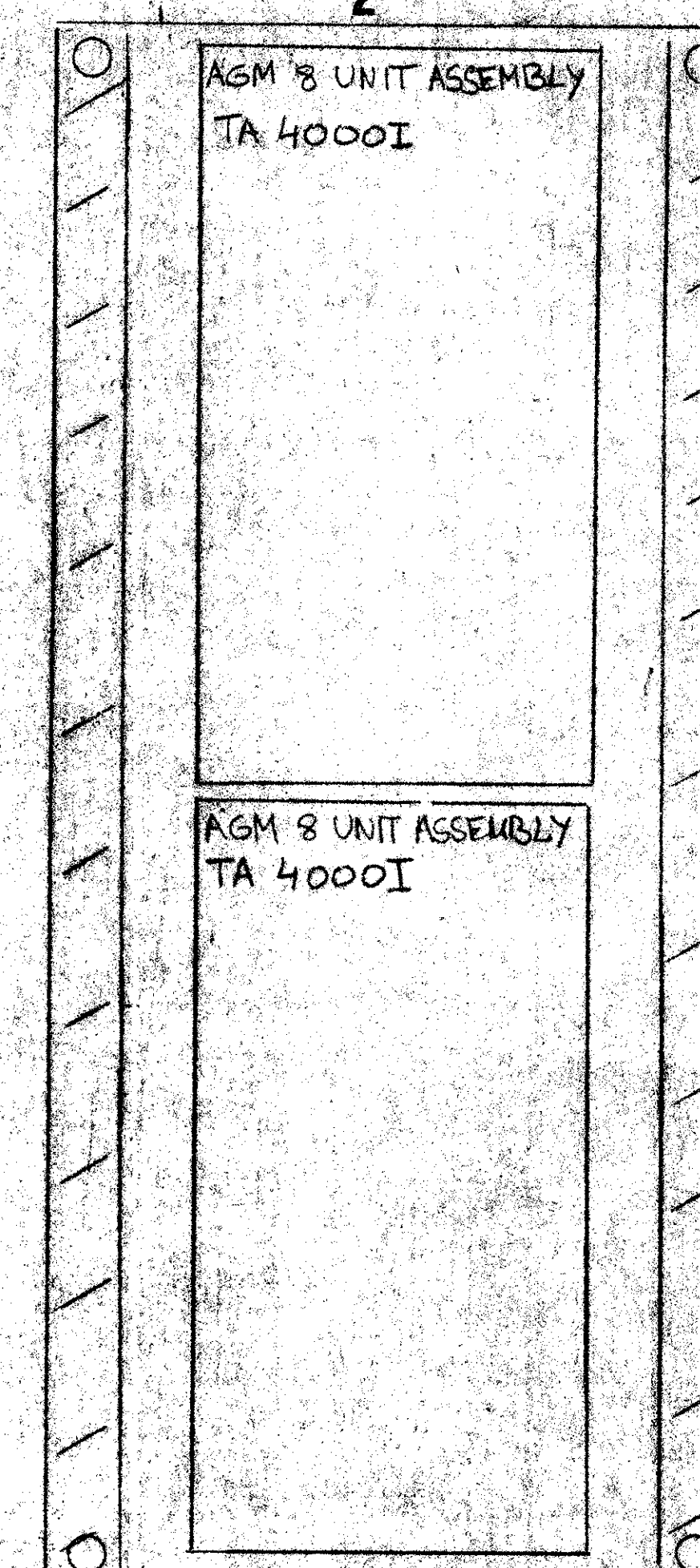
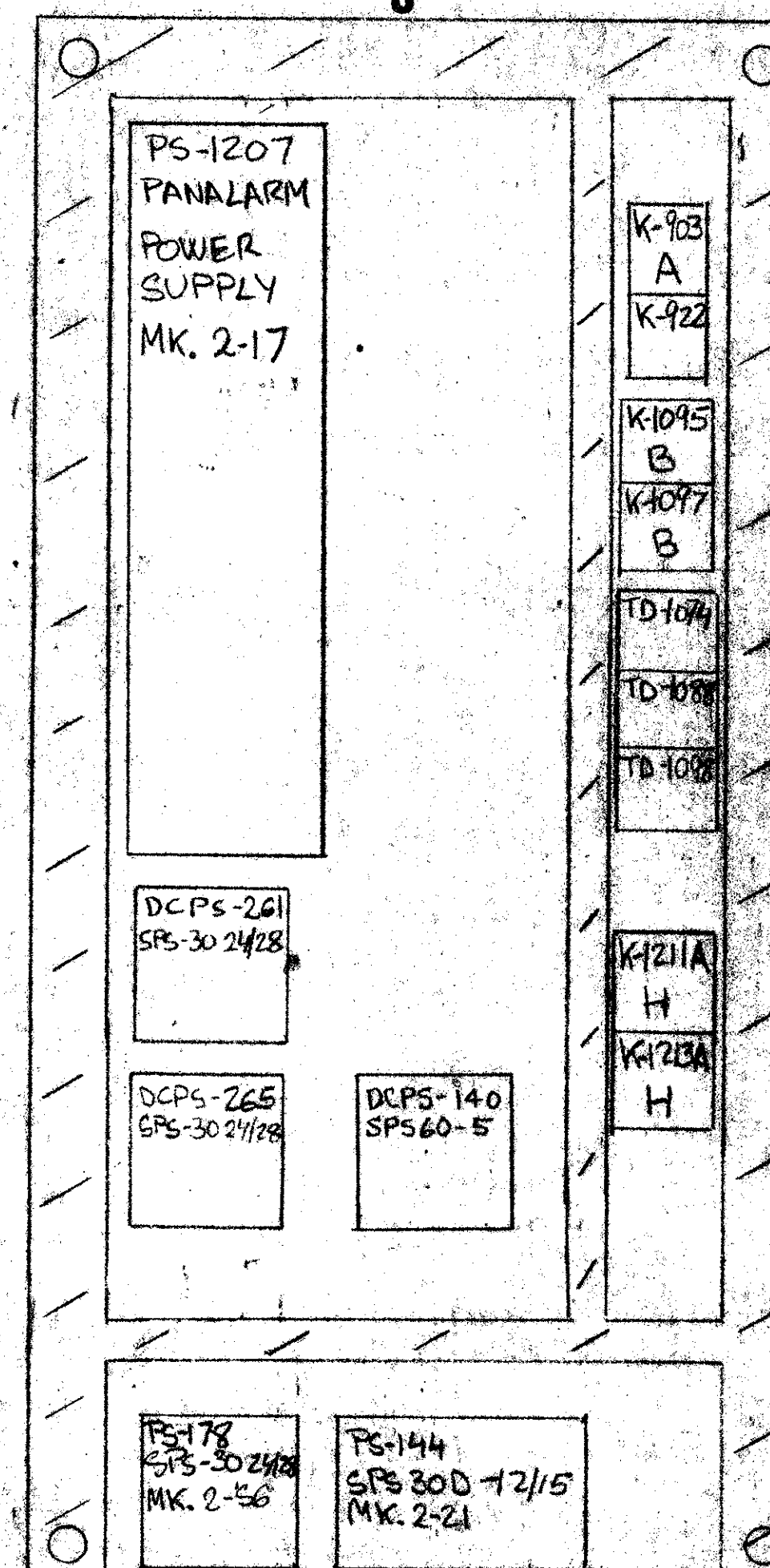
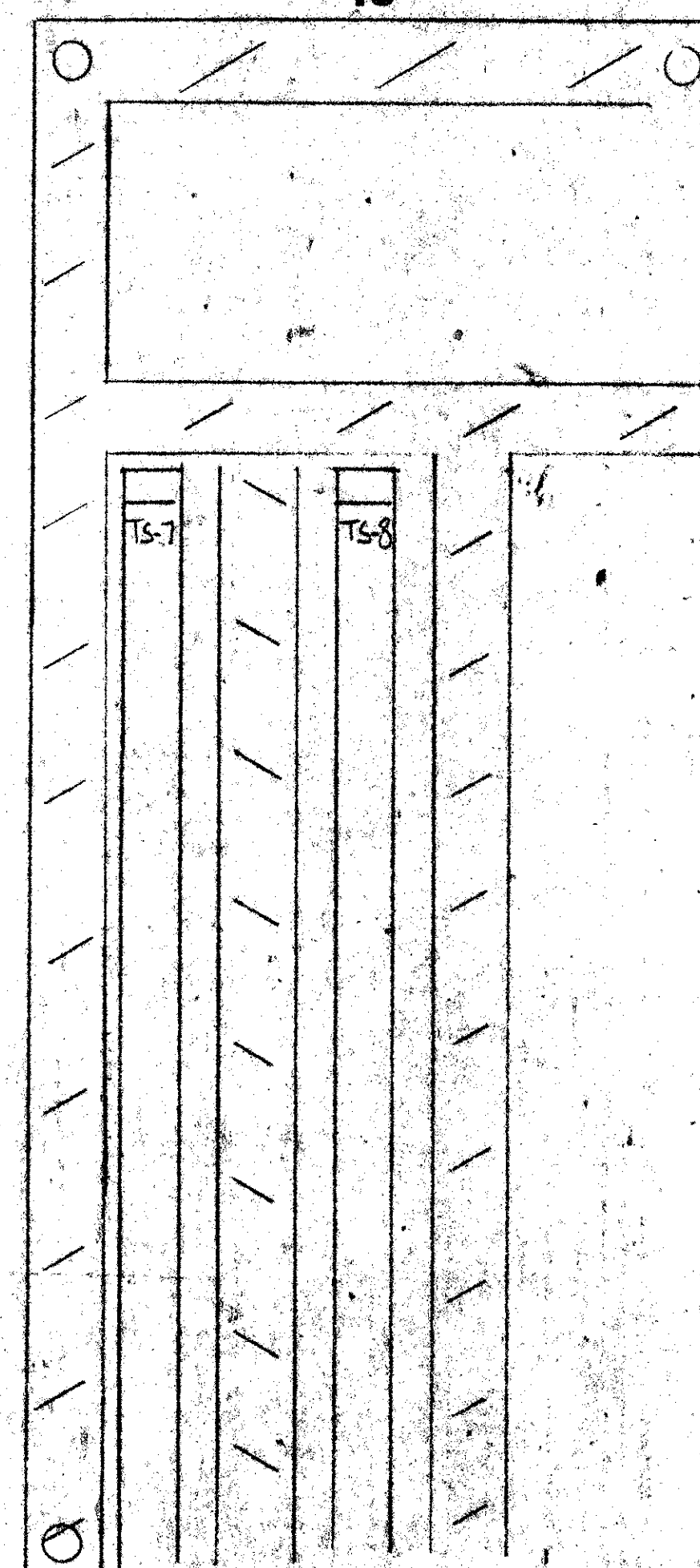
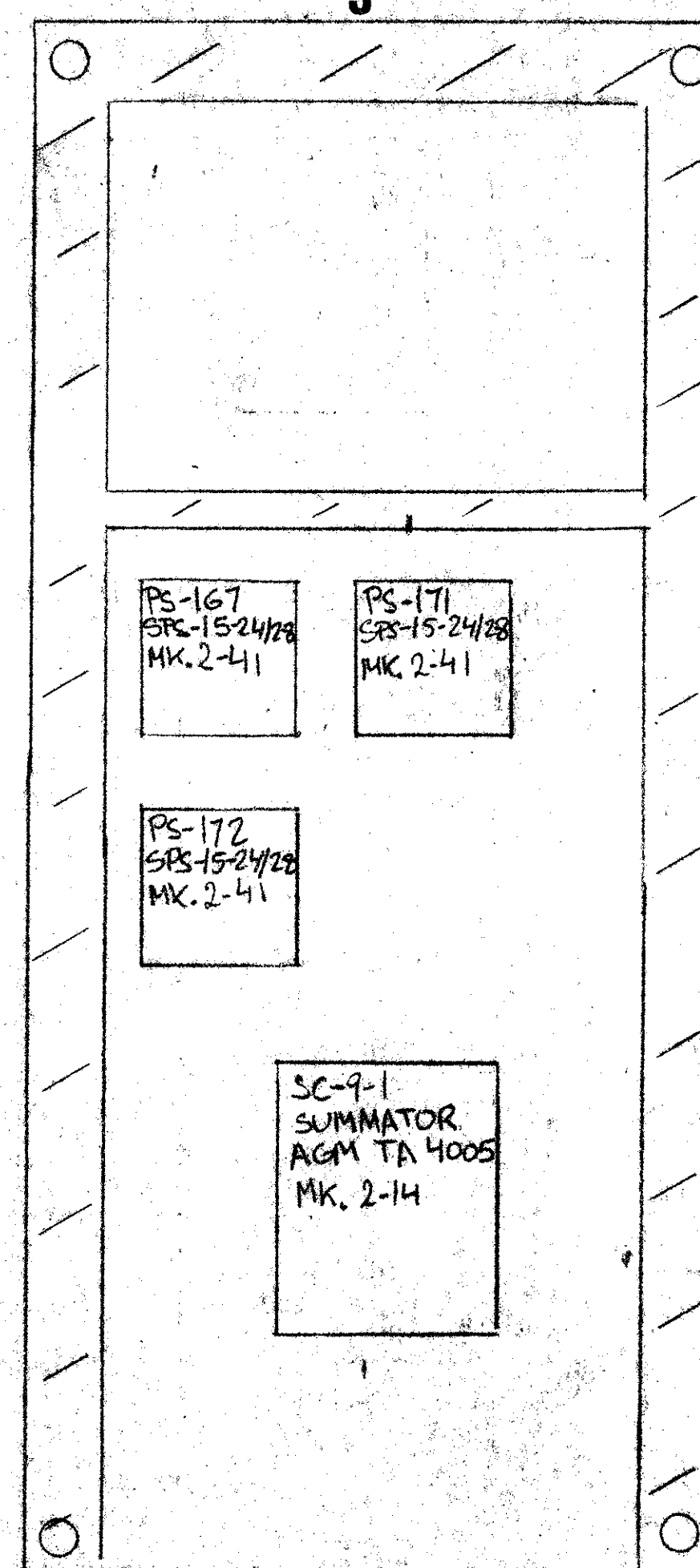
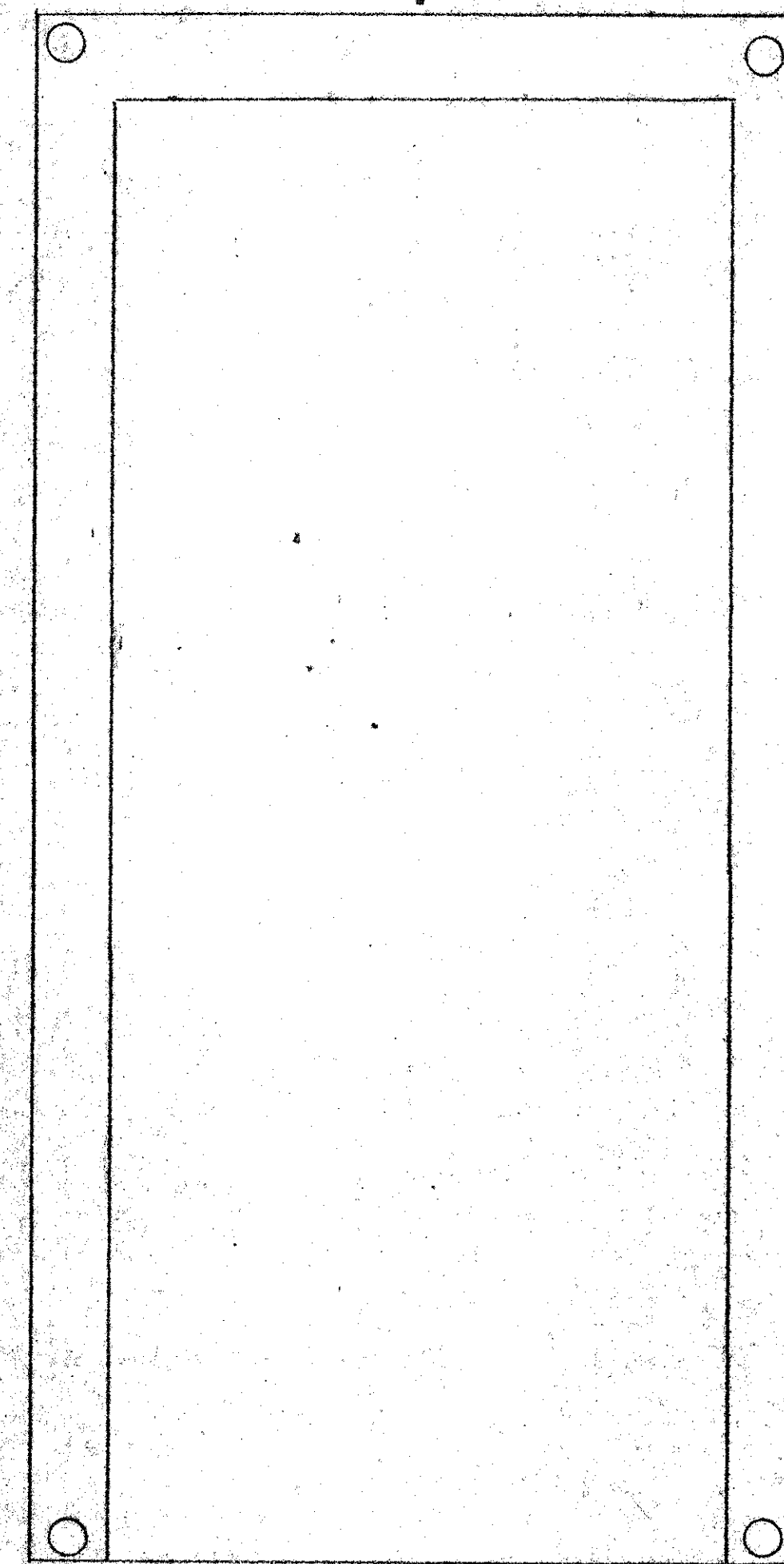


TS-1	TS-2	TS-3
L	310	SPARE
N	311	
6	312	
319	316	
320	317	
321	318	
324	325	
335	326	
336	327	
419	331	
420	332	
421	333	
SPARE	410	
	411	
	412	
	416	
	417	
	418	
	425	
	426	
	427	
	SPARE	

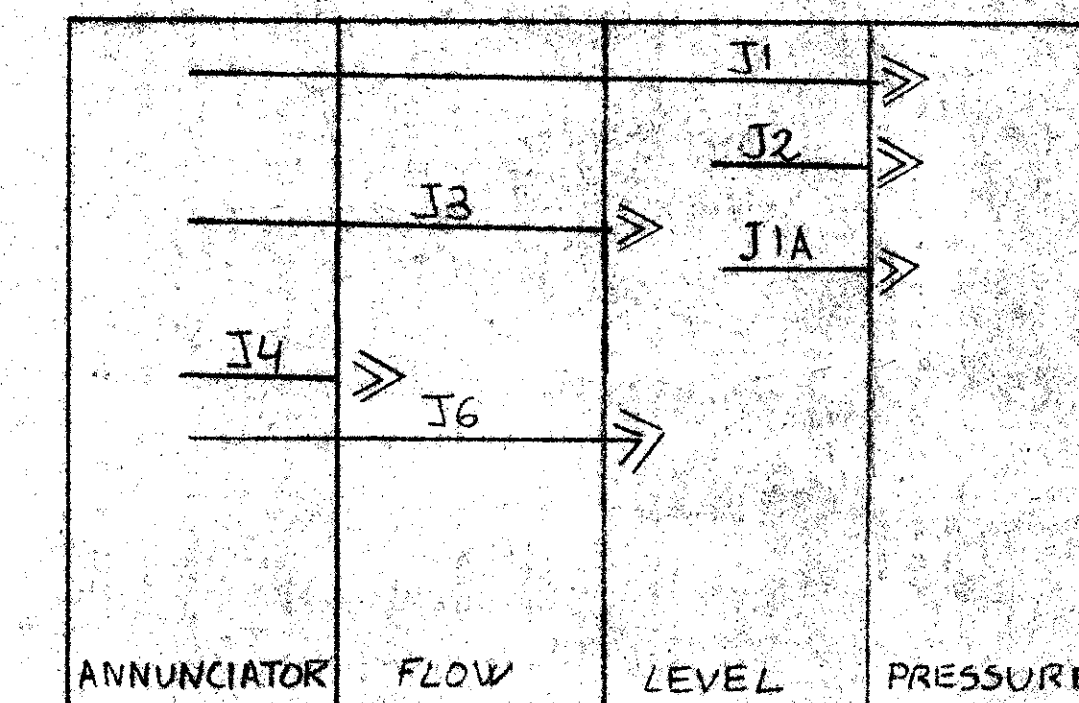
TS-4	TS-5	TS-6
552	728	1154
553	729	1155
557	730	1156
558	731	1157
562	732	1158
563	733	1159
567	734	1160
568	735	1161
610	810	
611	811	
612	812	
613	813	
614	814	
615	815	
616	816	
617	817	
618	818	
623		
624		
625		
626		
627		
628		
629		
630		
715		
716		
717		
718		
719		
720		
721		
722		
723		

- ① LEGEND PLATE
- SC2-2 PUMP NO.1 DISCH. PRESS.
 - SC2-3 PUMP NO.2 DISCH. PRESS.
 - SC2-4 PUMP NO.3 DISCH. PRESS.
 - SC2-5 PUMP NO.4 DISCH. PRESS.
- ② LEGEND PLATE
- SC1-1 VC-5 CLOSE SET POINT
 - SC1-2 VC-7 CLOSE SET POINT
 - SC1-3 VC-6 CLOSE SET POINT
- ③ LEGEND PLATE
- SC2-1 DISCHARGE PRESSURE LOW/HIGH
- ④ LEGEND PLATE
- SC3A-2 TANK 1 LOW/HIGH ALARM
 - SC3A-3 TANK 1 LOW/HIGH CUTOFF
- ⑤ LEGEND PLATE
- SC4A-1 TANK 2 LOW/HIGH ALARM
 - SC4A-2 TANK 2 LOW/HIGH CUTOFF

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DESIGNED BY	NAME SEGURA	SIGNATURE	DATE 6-5-80
PROJECT ENG.	NAME GOLDMAN	SIGNATURE	DATE 6-12-80
PROJECT MOR.	NAME GLASS	SIGNATURE	DATE 6-25-80
REV	DATE	DESCRIPTION	COORD BY
2	5-11-81	AS SHIPPED - NO CHANGES	
1	11-18-80	AS SHIPPED - REVISED SUB-PANELS NO. 2 AND 10	
0	9-10-80	FIRST ISSUE	
PROJECT NO. 7911087		TITLE EAST HARTSFIELD INT'L AIRPORT, WATER STORAGE AND PUMPING STATION ATLANTA, GA	
FORM 3E 750611-1 REV 1		No. 101121 C-79087-27016-MA1	



TS-7	TS-8	TS-9	TS-10	TS-11
1010	SPARE	824	910	924
1011		825	911	925
1012		826	912	926
1016		827	913	927
1017		828	914	928
1018		829	915	929
		830	916	930
		831	917	931
		832	918	932
		833	919	933
		834	920	934
		835	921	935
		836	922	936
		837	923	937
		838	924	938
		839	925	939
		840	926	940
		841	927	941
		842	928	942
		843	929	943
		844	930	944
		845	931	945
		846	932	
		847	933	
		848	934	
		849	935	
		850	936	
		851	937	



BURNDY CONNECTOR SCHEDULE (SM6-36)

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DRAWN BY SEGURA	SIGNATURE [Signature]	DATE 6-5-80	TITLE INSTRUMENT PANEL
DESIGNED BY SEGURA	SIGNATURE [Signature]	DATE 6-5-80	PROJECT-LOCATION EAST HARTSFIELD INT'L AIRPORT WATER STORAGE AND PUMPING STATION ATLANTA, GA
PROJECT ENG. GOLDMAN	SIGNATURE [Signature]	DATE 6-5-80	PROJECT No. 7911087
PROJECT MGR. GLASS	SIGNATURE [Signature]	DATE 6-5-80	REV. No. 101213
REV. DATE	DESCRIPTION	COORD. BY	SCALE 1/4"=1'



REV. No. 101213	PROJECT No. 7911087	SCALE 1/4"=1'
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