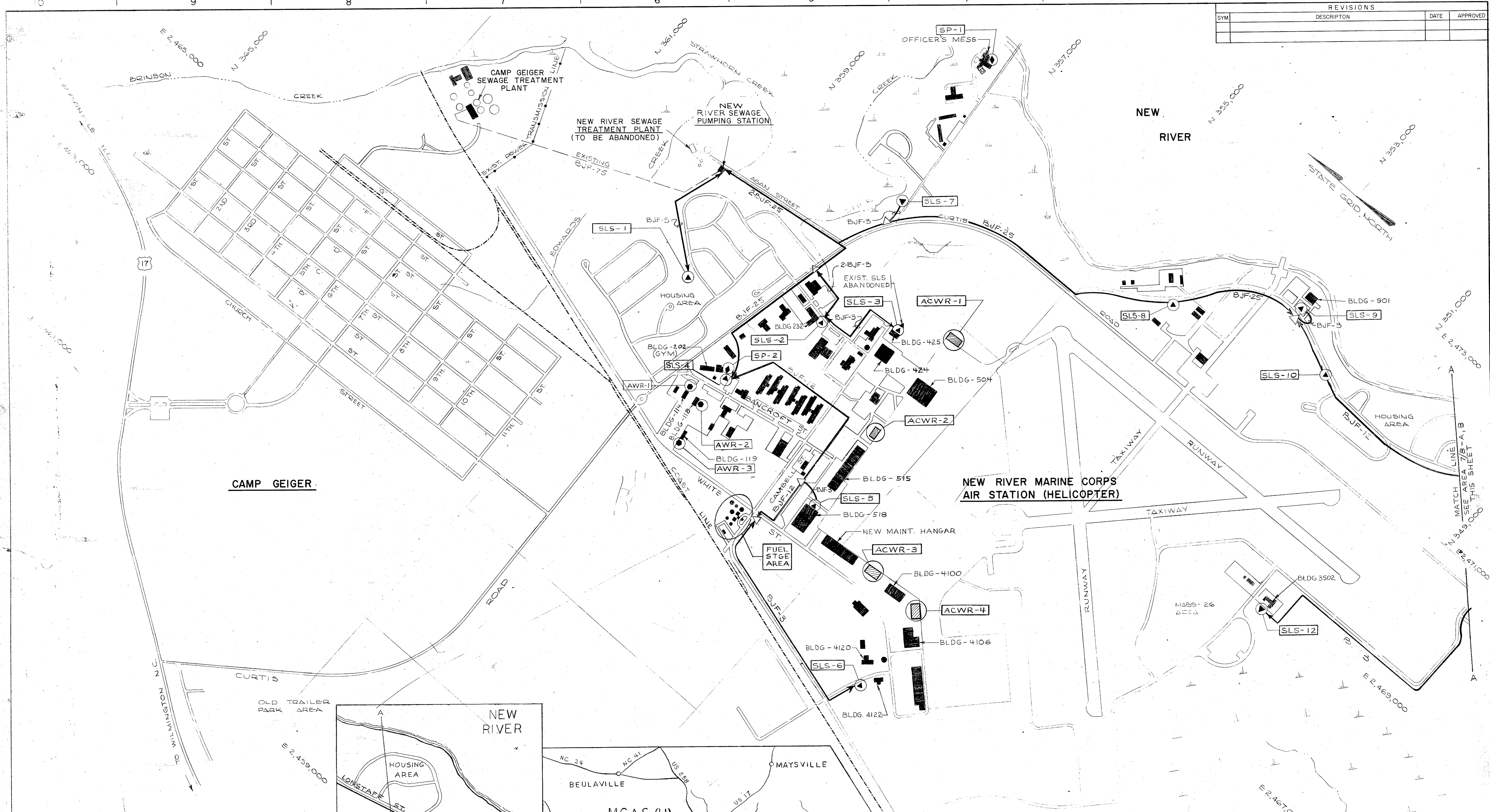
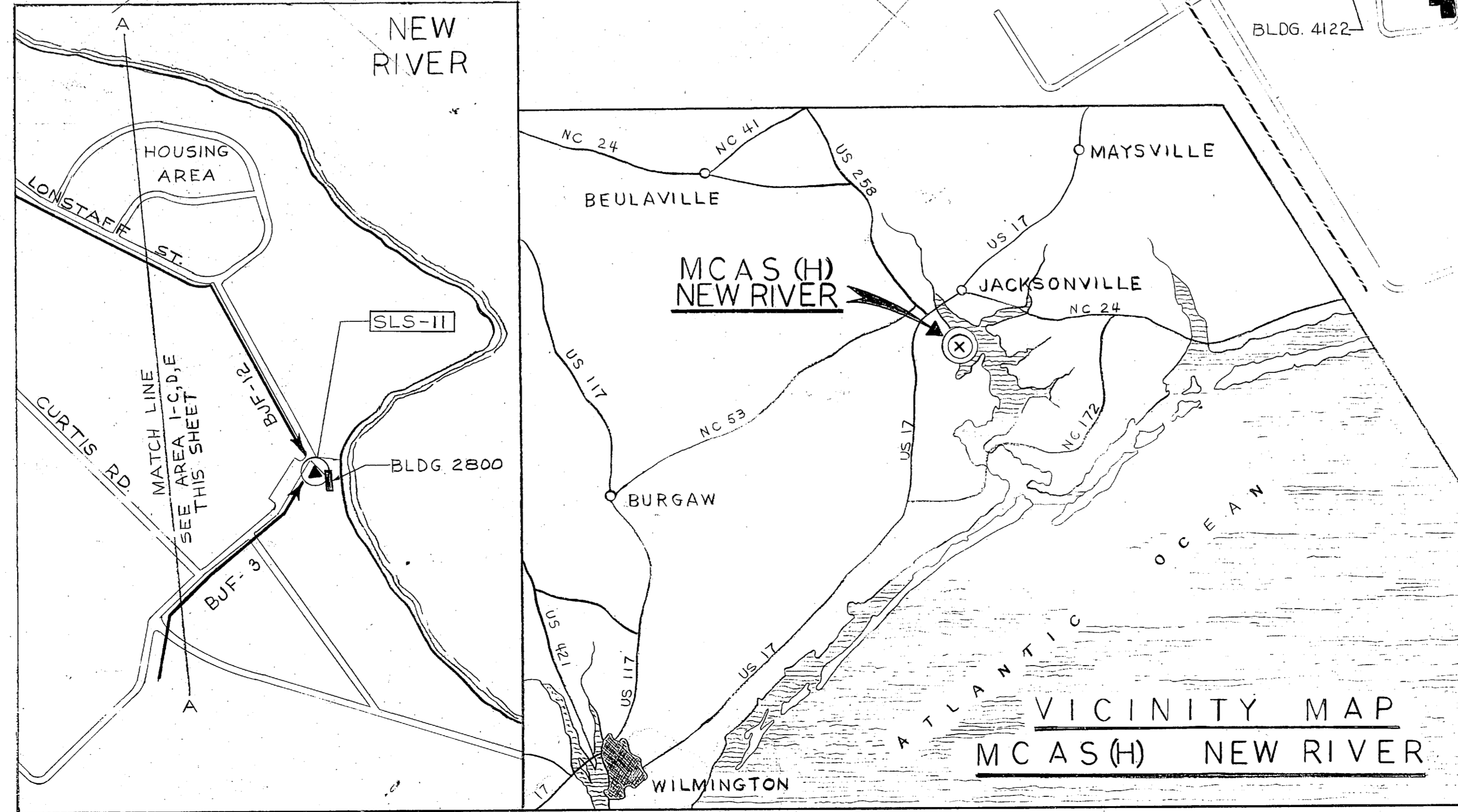


REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED



CAMP GEIGER

NEW RIVER MARINE CORPS AIR STATION (HELICOPTER)



**VICINITY MAP
MCAS (H) NEW RIVER**

LEGEND

- NEW ANNUNCIATION CABLE
(* INDICATES NO. OF PAIRS)
- ABOVE GROUND SPLICE CASE
- EXISTING ANNUNCIATION CABLE
- SEWAGE LIFT STATION
- AUTO WASHRACK
- RAILROAD
- SWIMMING POOL DRAINAGE
- AIRCRAFT WASHRACK

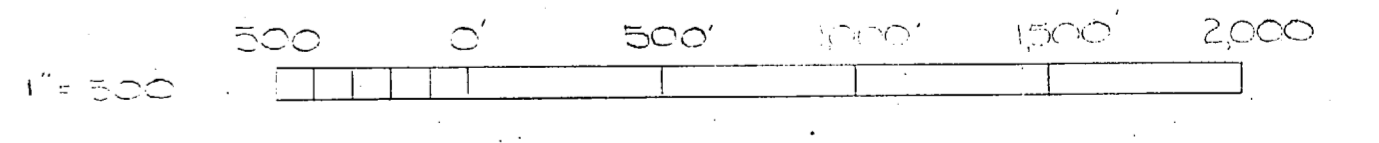
ITEM

- BJF-(*)
- SLS-4
- AWR-1
- SP-2
- ACWR-2

NOTES:

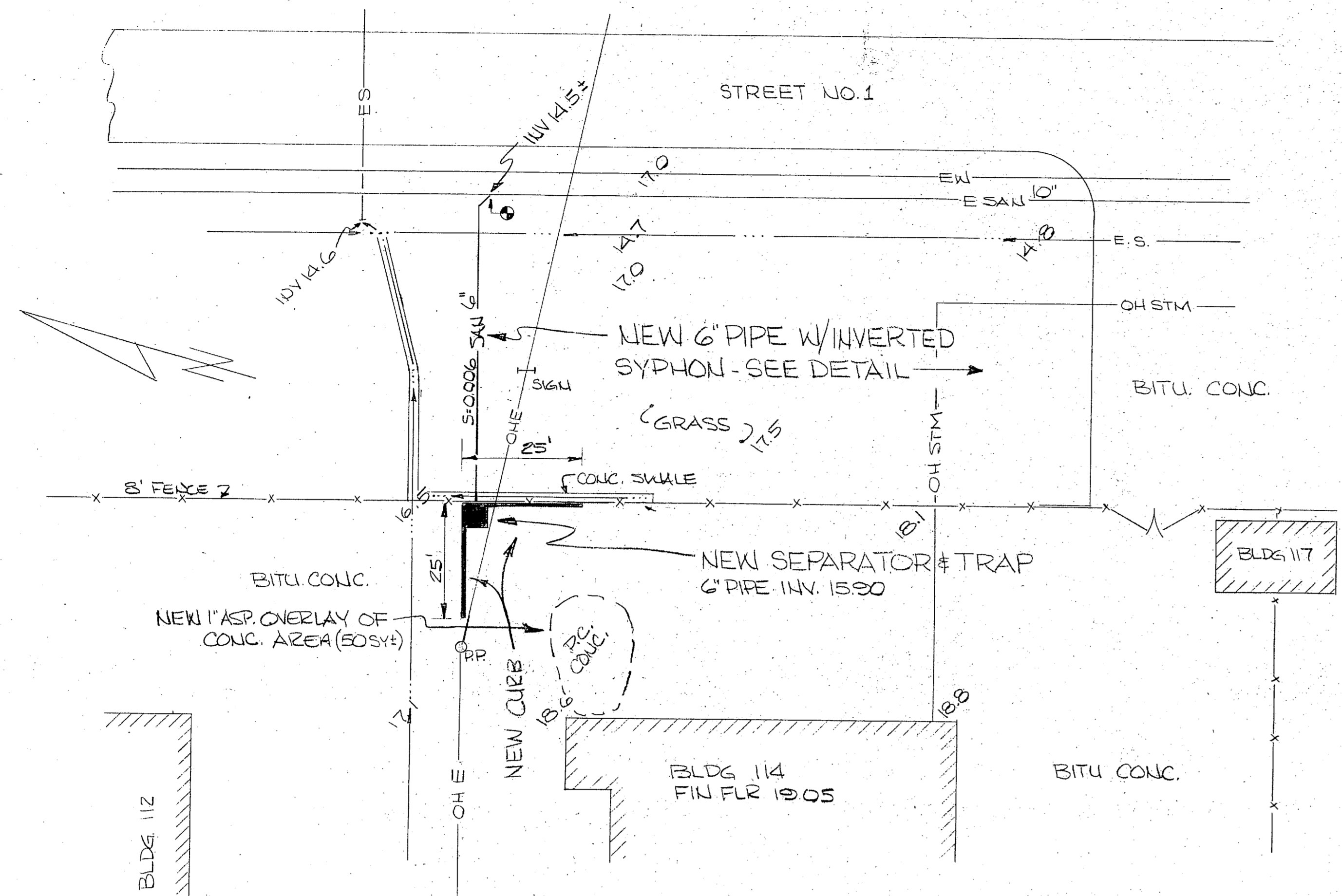
BYPASS LINES IN LIFT STATIONS SHALL BE BLOCKED AT THE COMPLETION OF WORK.

GRAPHIC SCALE

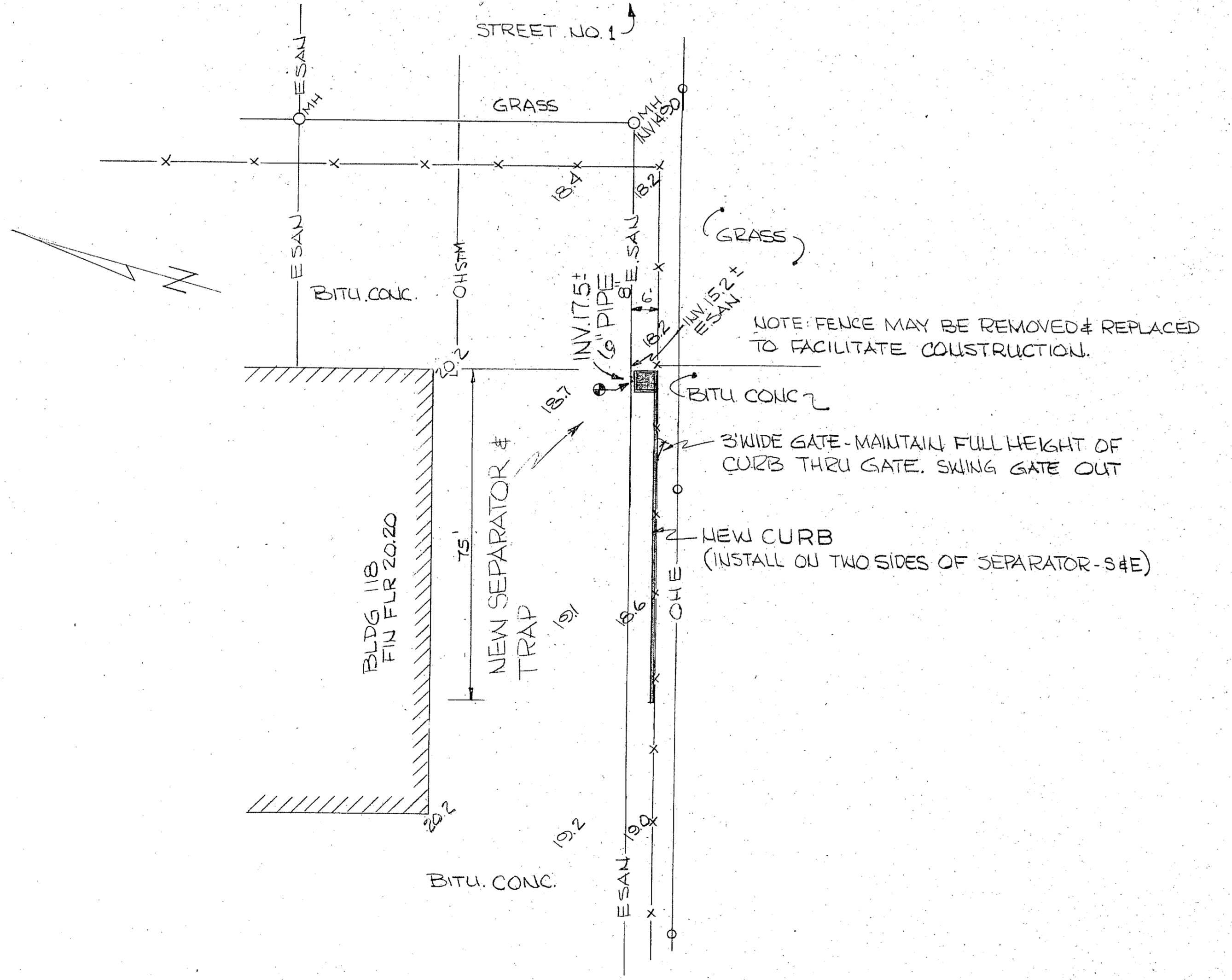
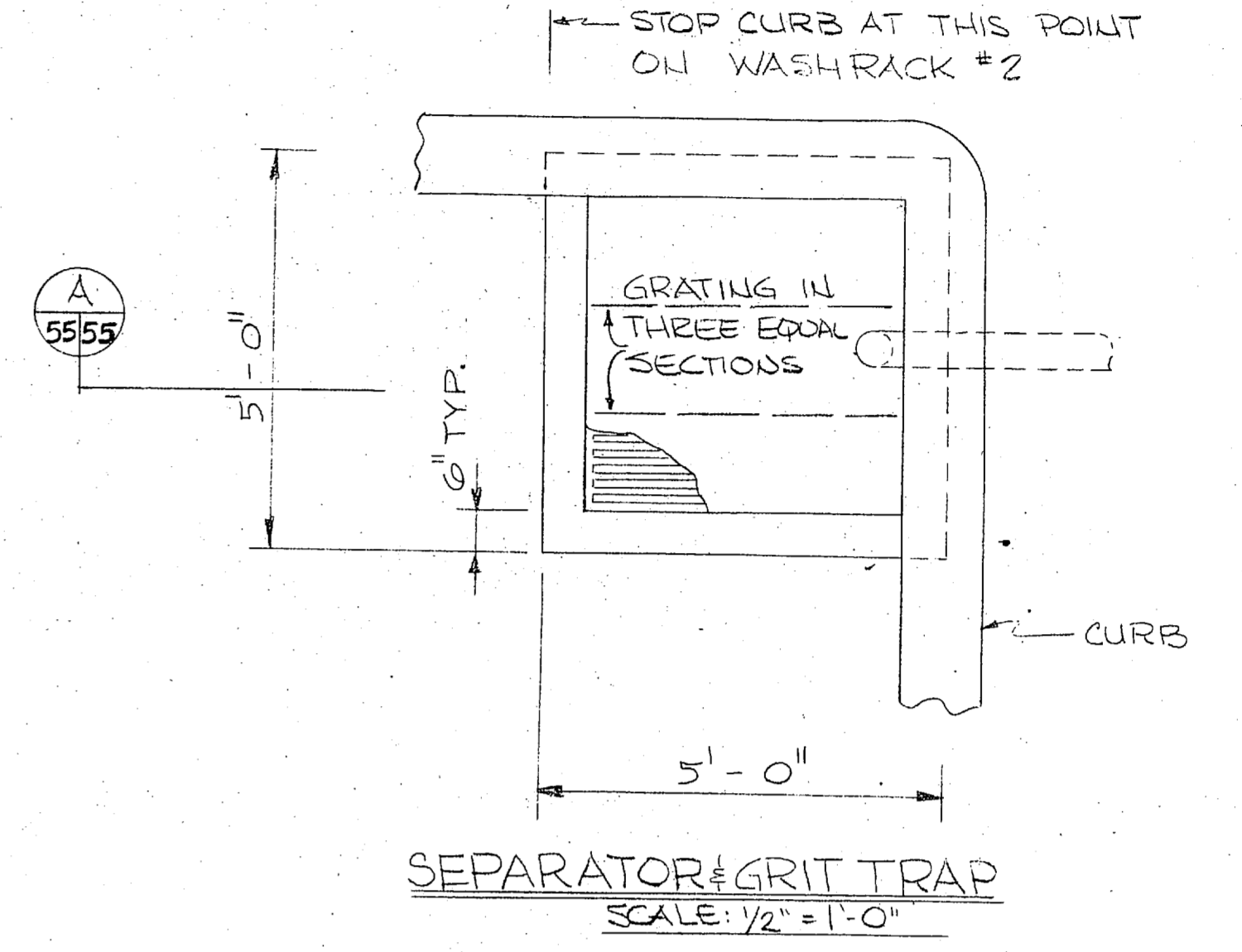
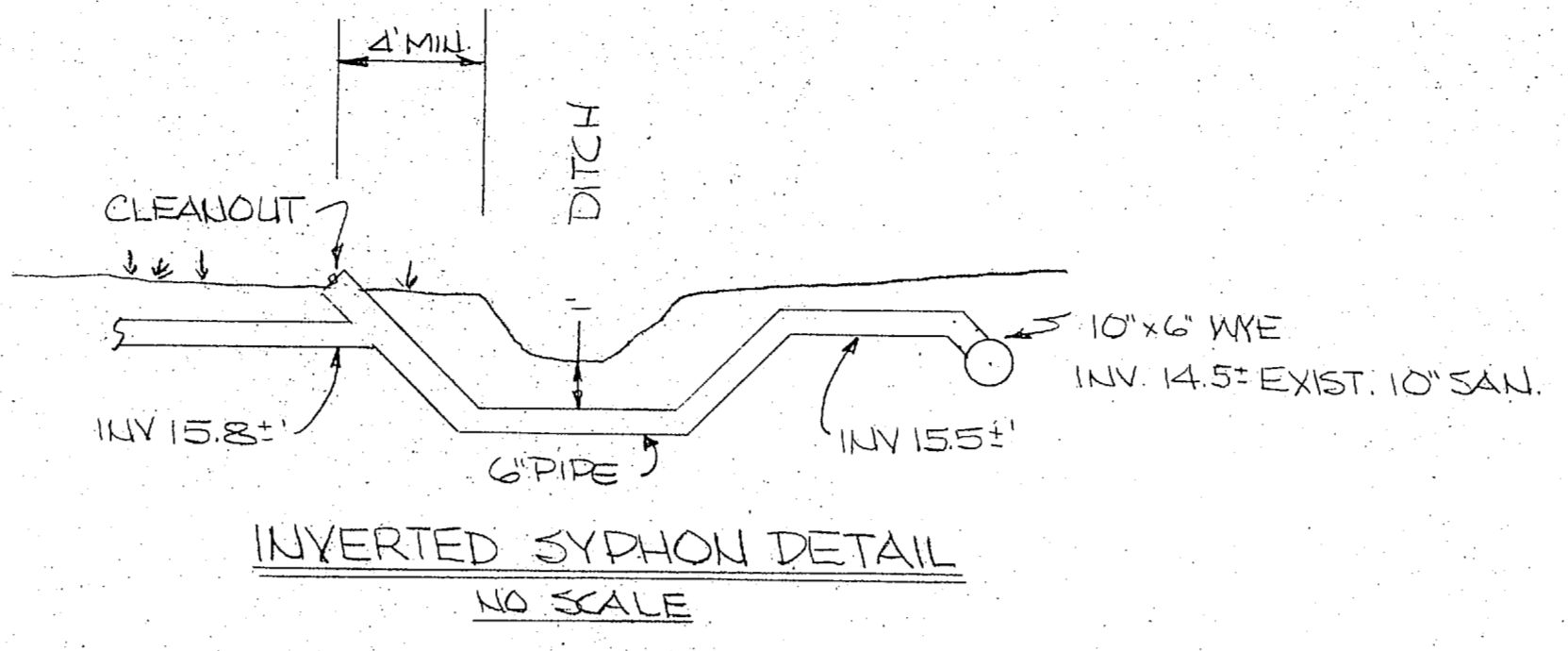


EPD DWG NO. 120554	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
WORK NO. 54504298	ATLANTIC DIVISION
DES. LARRY COLLIER	NAVAL STATION NORFOLK, VA
TR. LARRY COLLIER	NEW RIVER MARINE CORPS AIR STATION (HELICOPTER)
CHK. [Signature]	JACKSONVILLE, NORTH CAROLINA
BR. HGR. [Signature]	SEWAGE SYSTEM IMPROVEMENTS
DES. DIR. [Signature]	LOCATION PLAN
SATISFACTORY TO: [Signature]	DATE: [Blank]
APPROVED: [Signature]	DATE: [Blank]
SIZE: F	CODE IDENT NO. 80091
SCALE: 1"=500'	NAVFAC DRAWING NO. 4020554
SPEC. 05-74-13.94	CONSTR. CONTR. NO. N62470-74-B-1344
SHEET 1 OF 12	

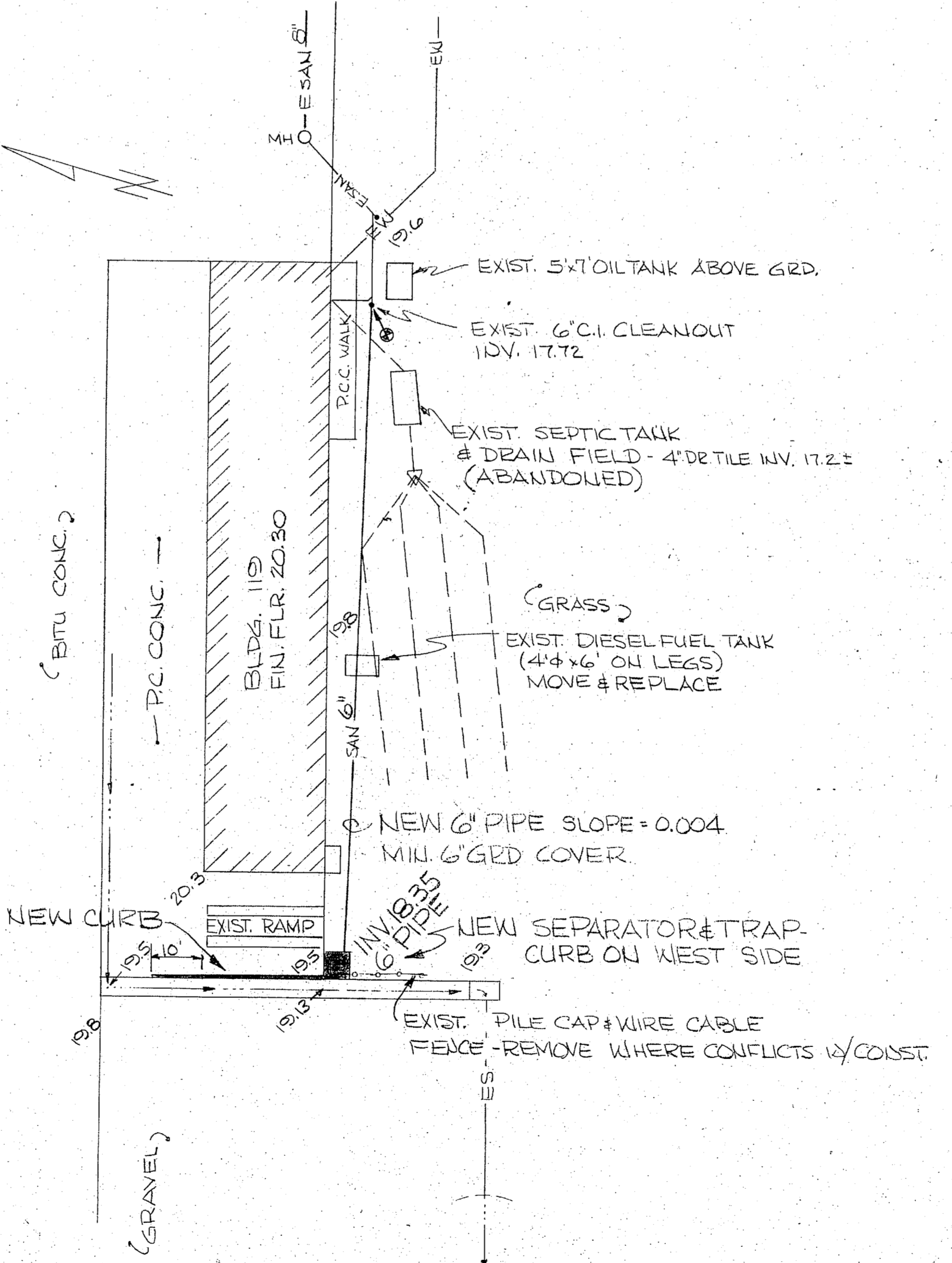
REVISIONS		
NO.	DESCRIPTION	DATE



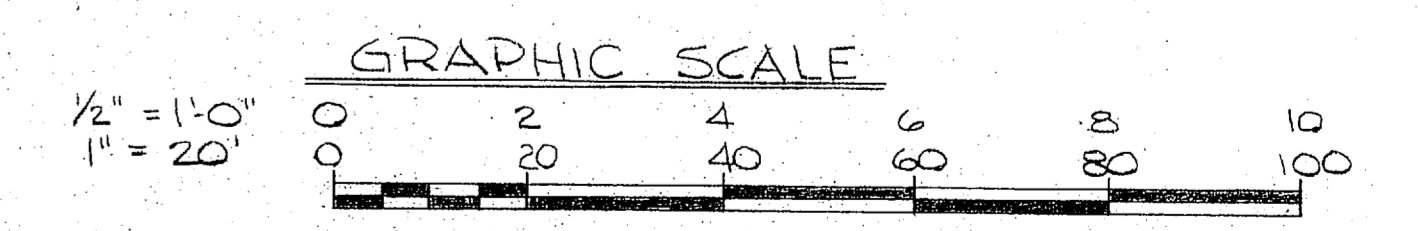
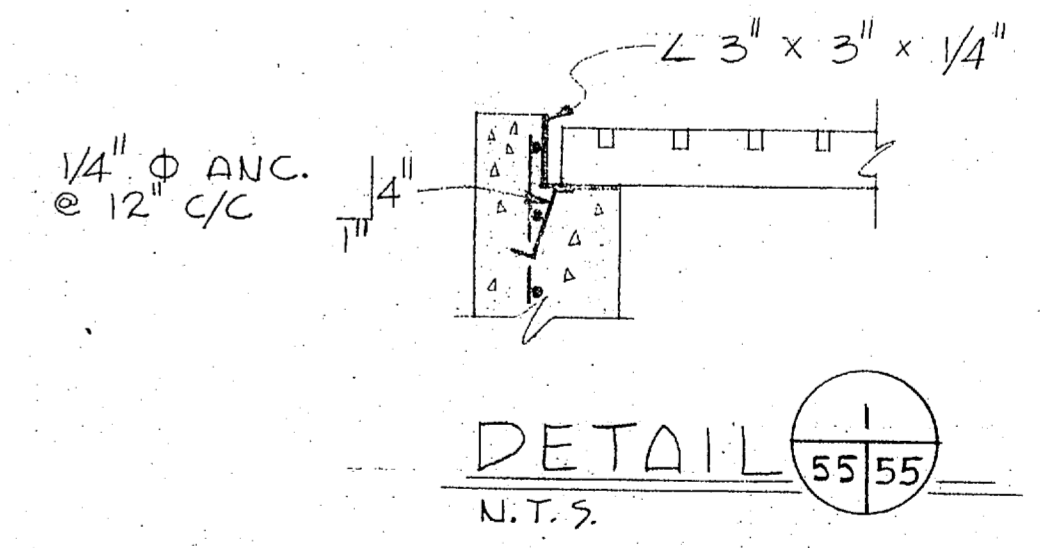
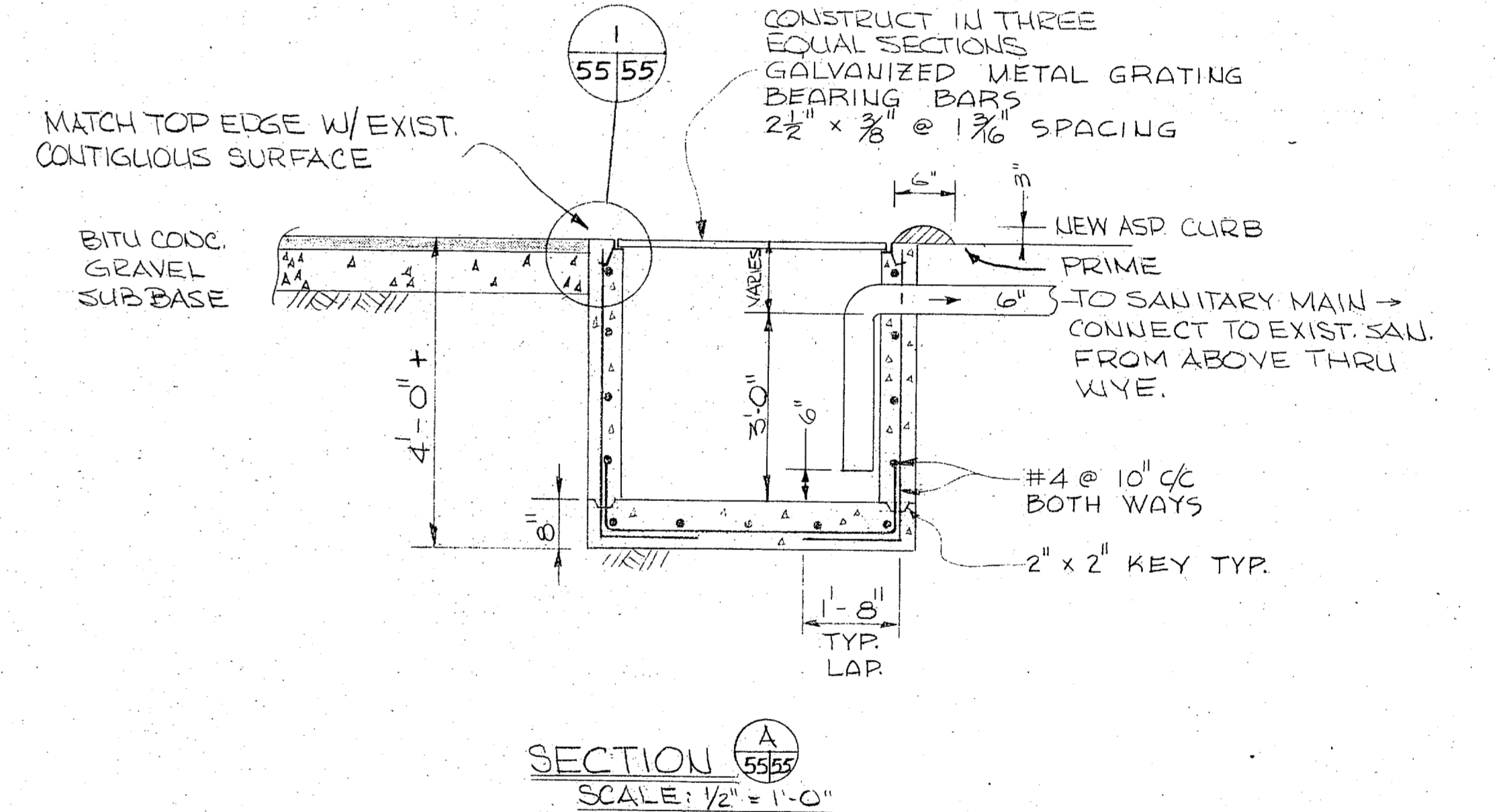
AUTO WASHRACK 1
SCALE: 1" = 20'



AUTO WASHRACK 2
SCALE: 1" = 20'

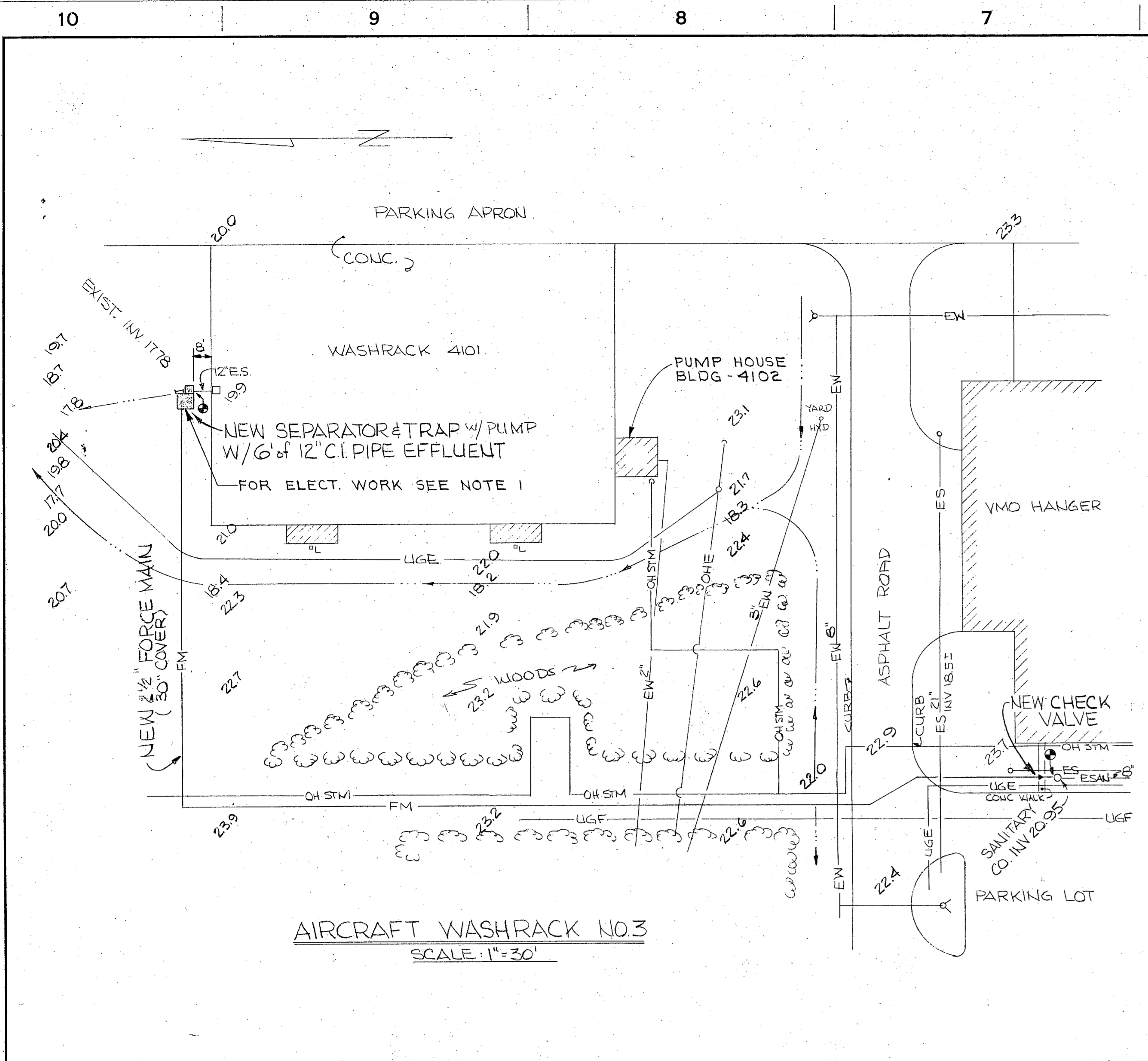


AUTO WASHRACK 3
SCALE: 1" = 20'

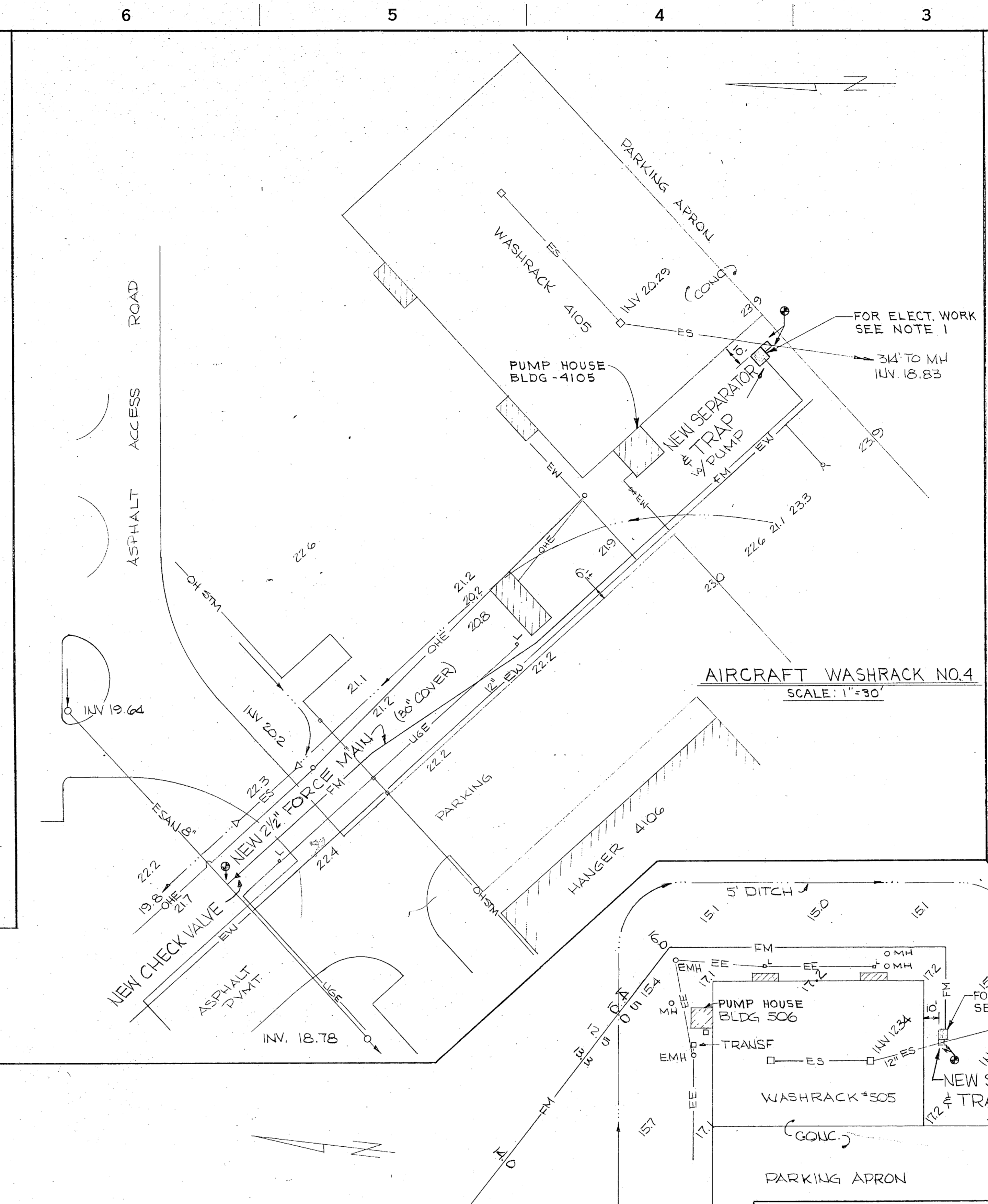


EPD DWG. NO. 120555	DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
WORK REG. NO. 545 D 4298	NAVAL DIVISION	
DES. WRG	NORFOLK, VA.	
DRWN. WRG / WCW	MARINE CORPS AIR STATION NEW RIVER, N.C.	
CHK. EFL	SEWAGE SYSTEM IMPROVEMENTS	
BR. MGR. H.K.	AUTO WASHRACKS	
DES. DIR. 291/277	CIVIL - STRUCTURAL	
SATISFACTORY TO	DATE	
APPROVED	DATE	
FOR EPD FOR COMMANDER NAVFAC	21 APR 1975	
SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	4020555
SCALE	NOTED	SPEC. 05-74-1344
SHEET	2	OF 12

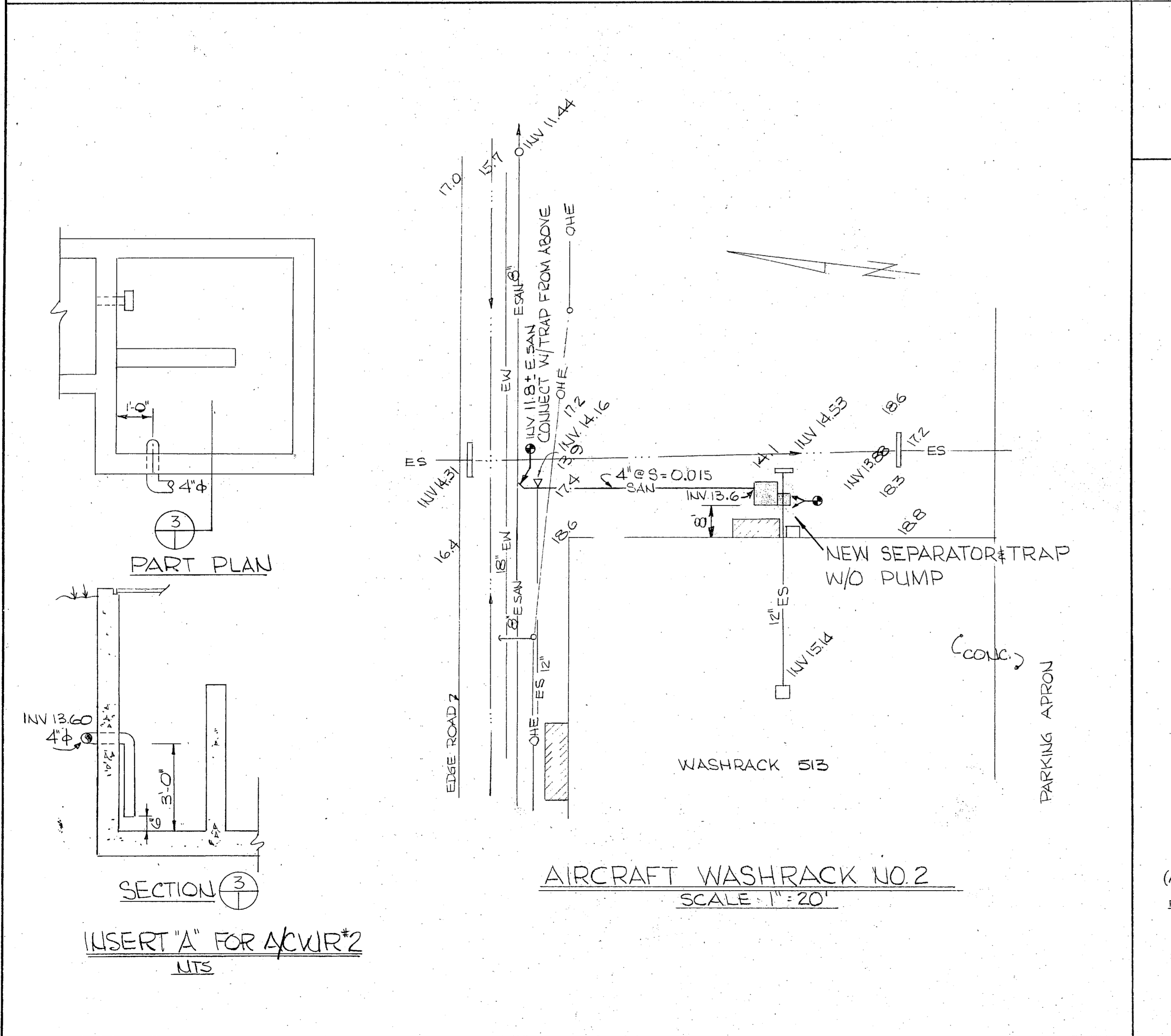




AIRCRAFT WASHRACK NO.3
SCALE: 1"=30'

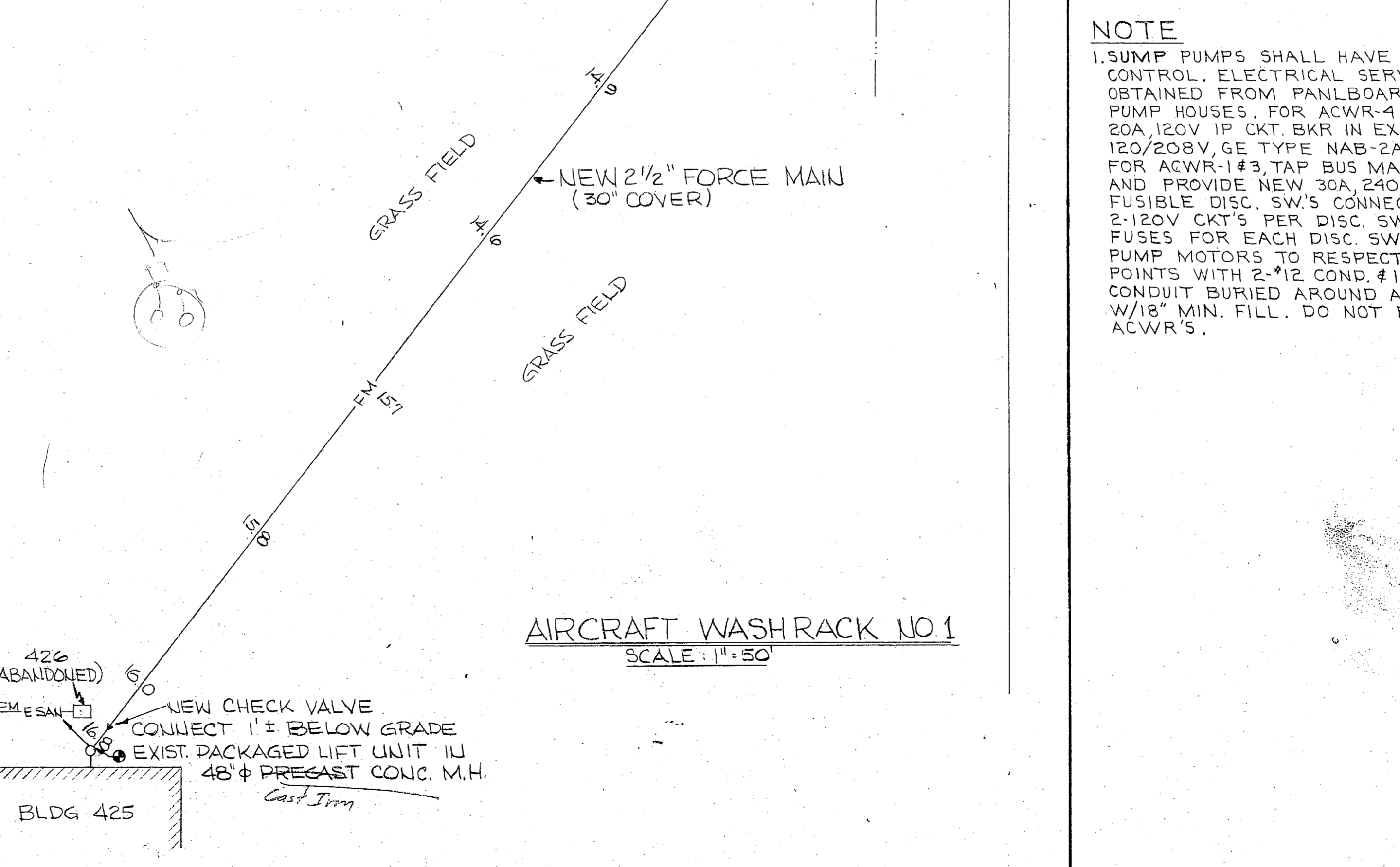


AIRCRAFT WASHRACK NO.4
SCALE: 1"=30'



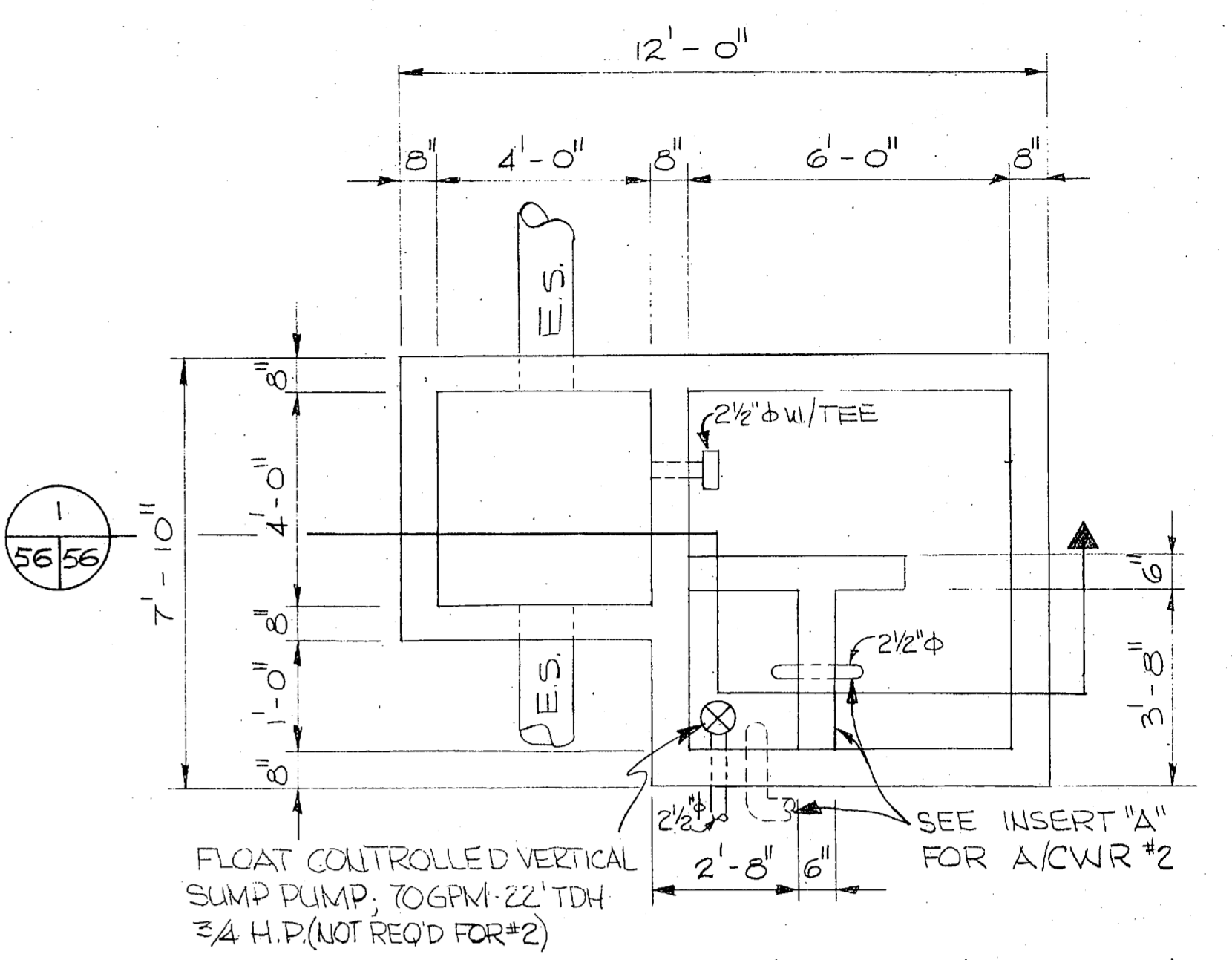
AIRCRAFT WASHRACK NO.2
SCALE: 1"=20'

INSERT "A" FOR ACWR#2
U.T.S.

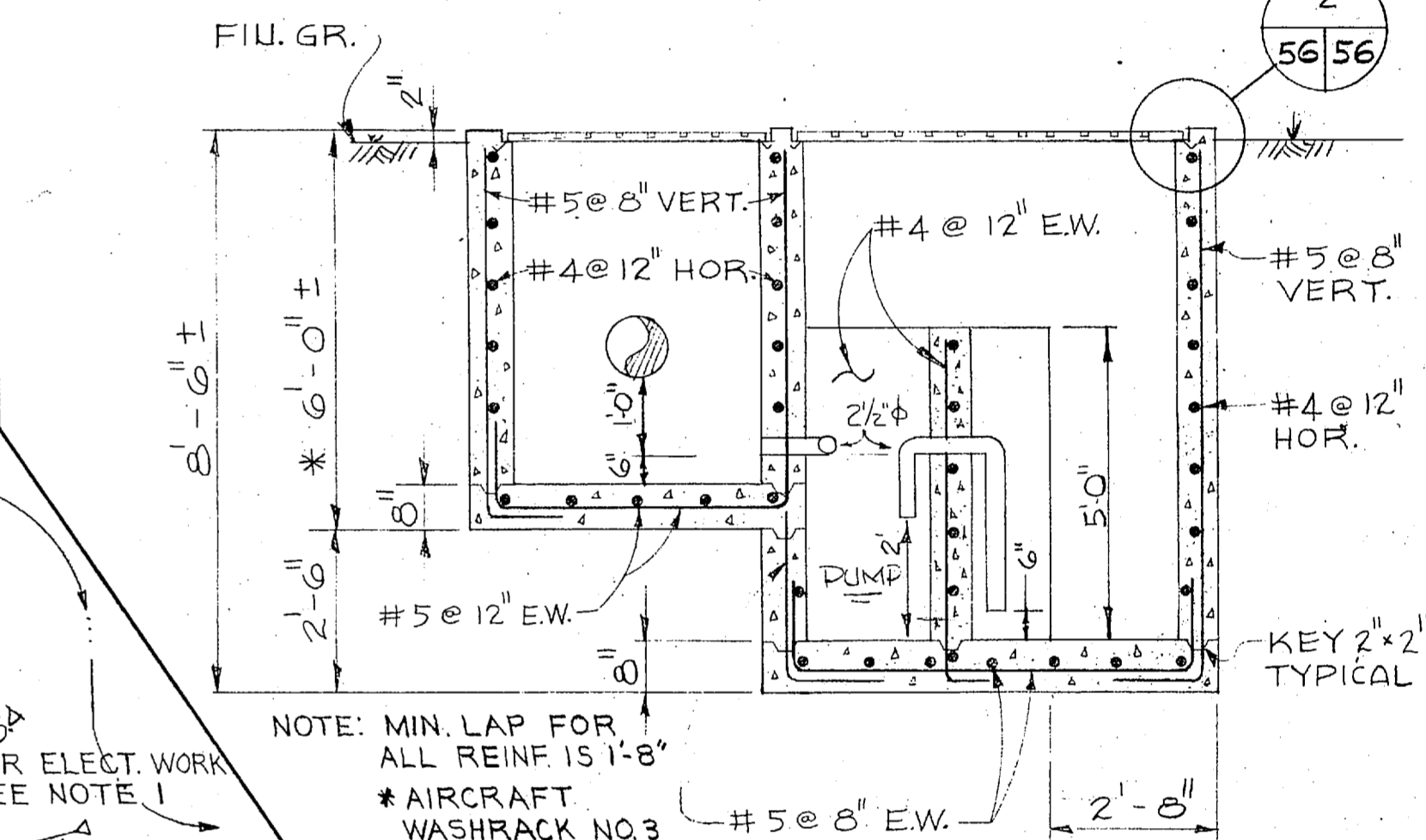


AIRCRAFT WASHRACK NO.1
SCALE: 1"=50'

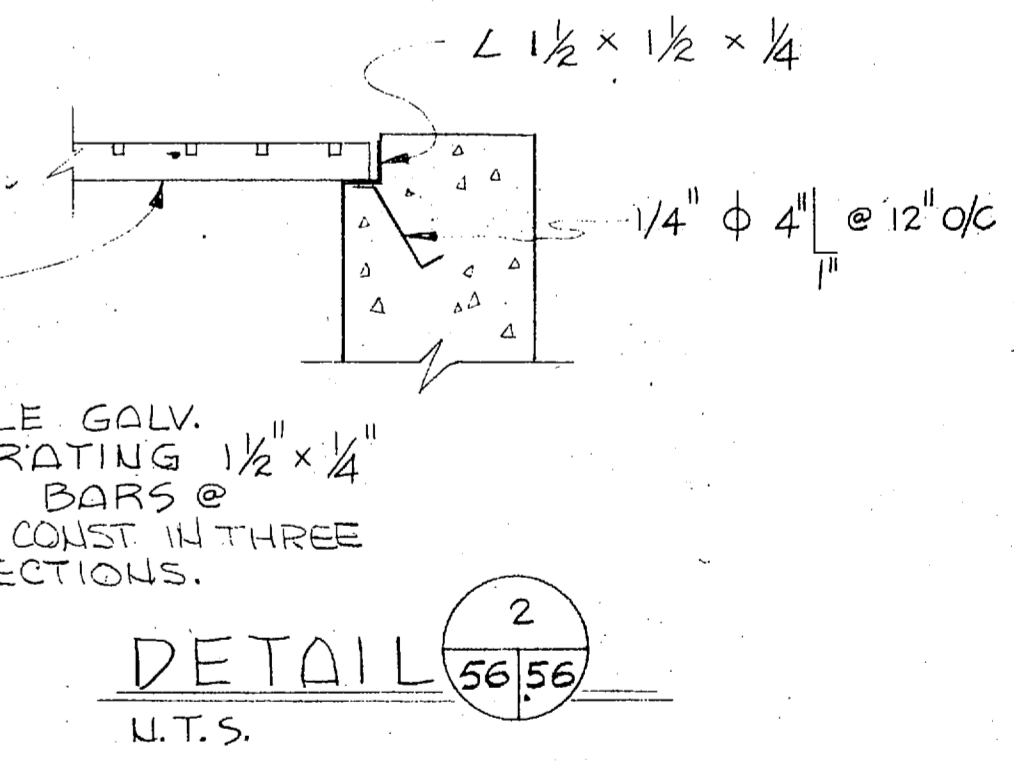
REVISIONS			
SYMBOL	DESCRIPTION	DATE	APPROVED



PLAN OF SEPARATOR & TRAP
SCALE: 3/8" = 1'-0"

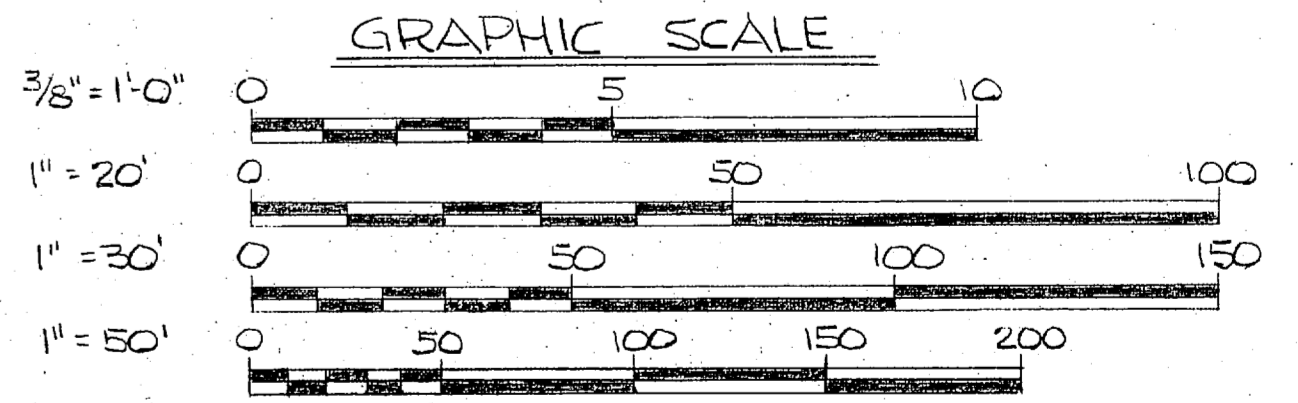


SECTION 1
SCALE: 3/8" = 1'-0"



DETAIL 2
U.T.S.

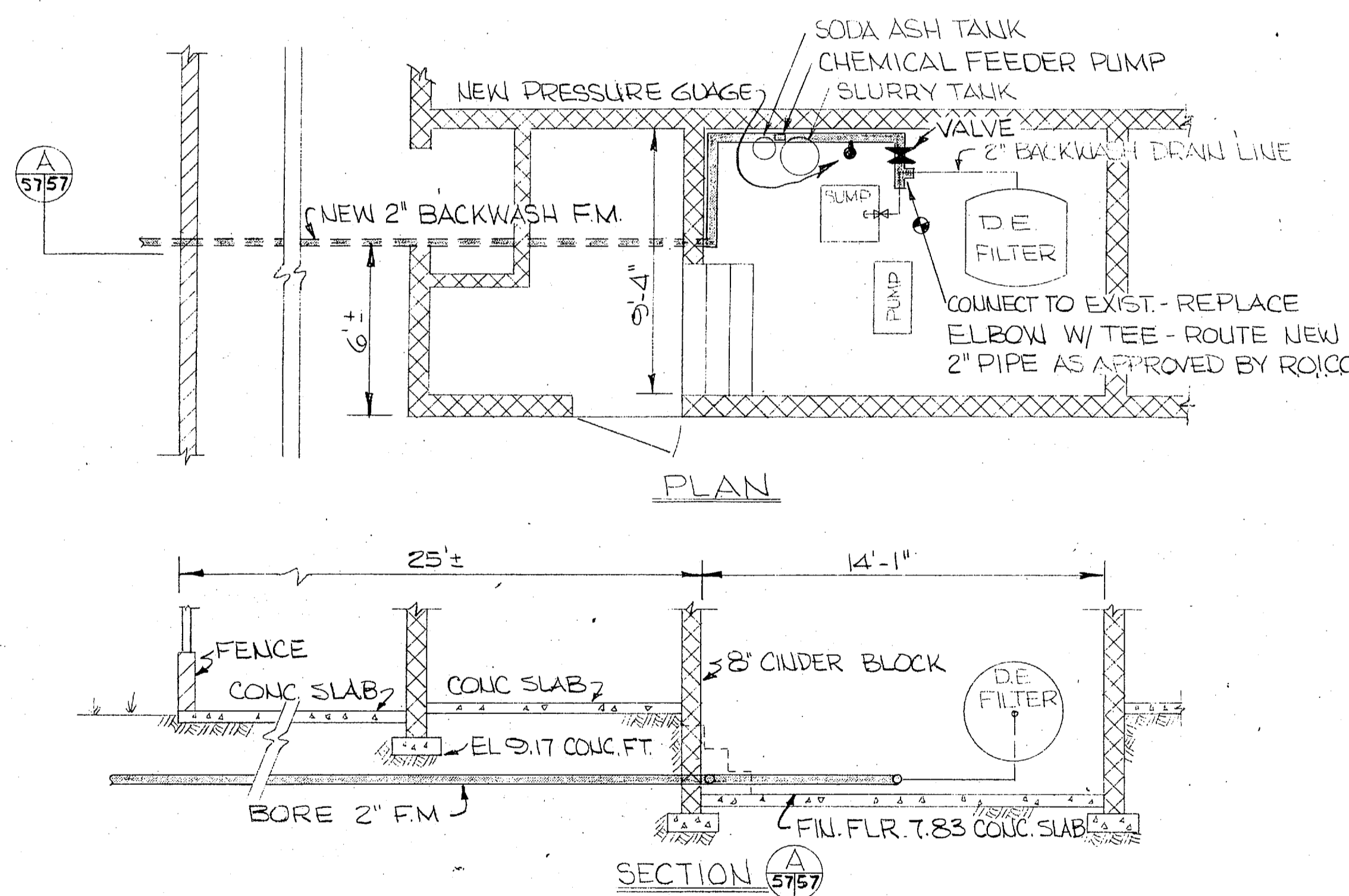
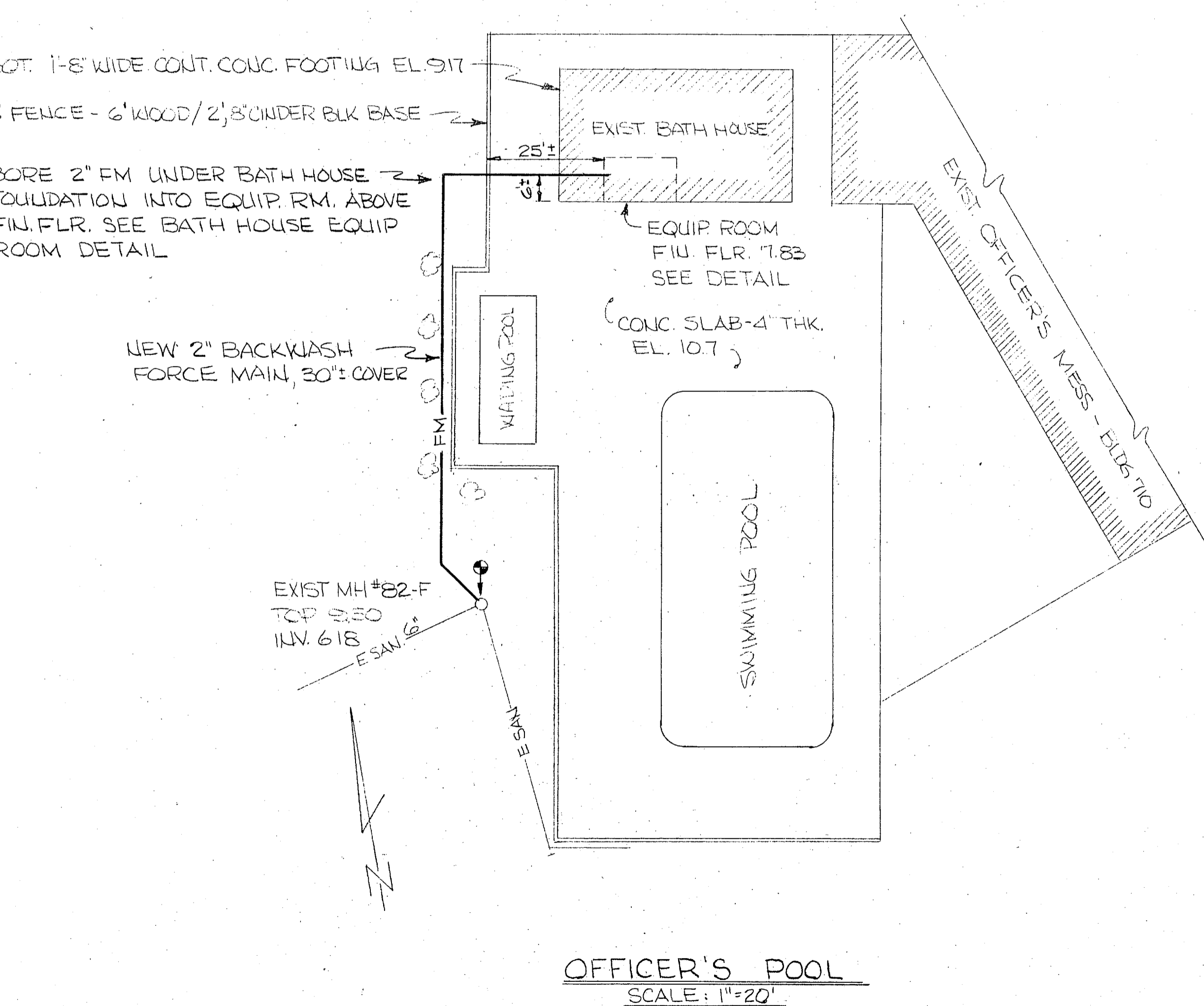
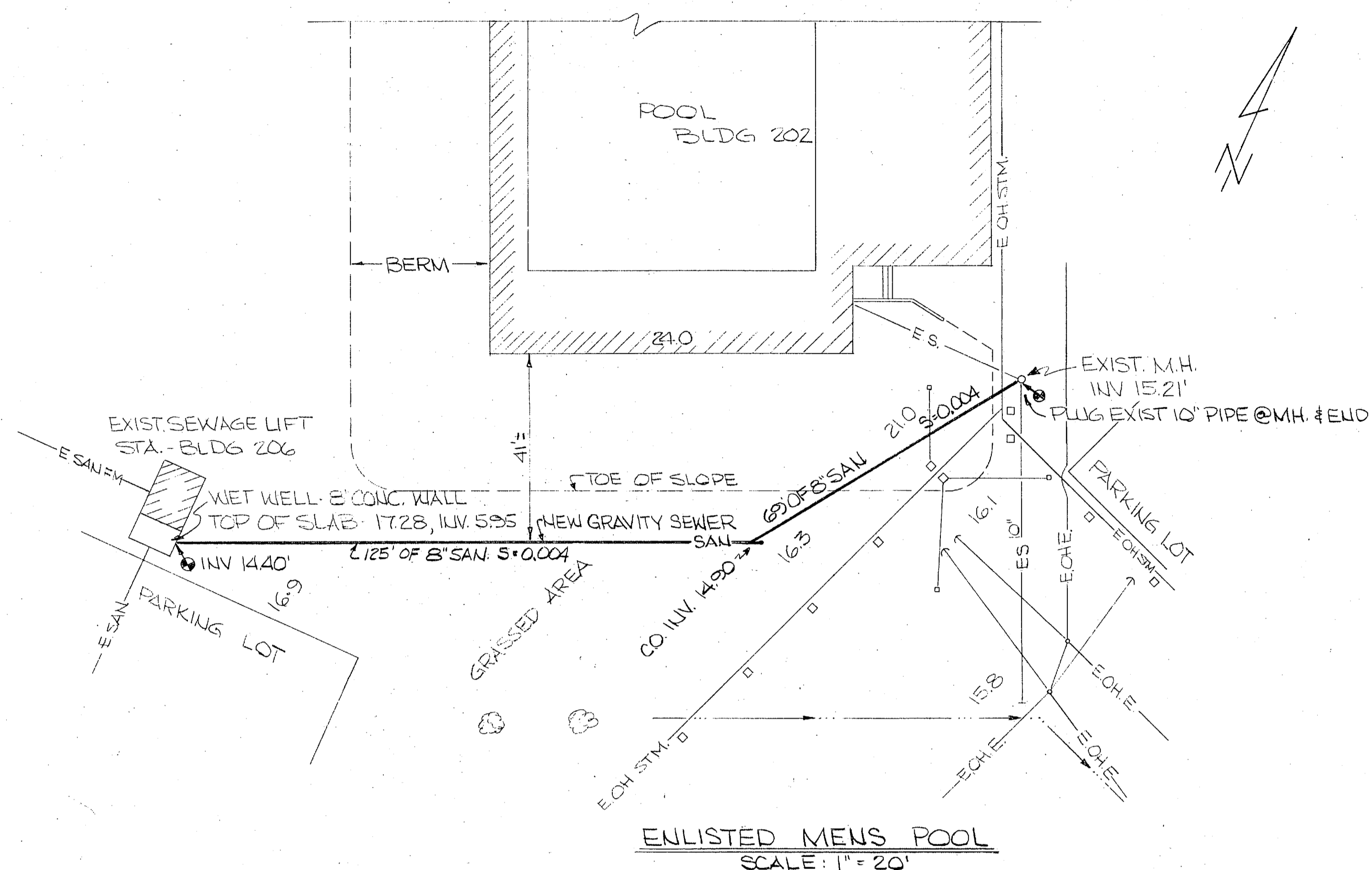
NOTE
1. SUMP PUMPS SHALL HAVE FLOAT SWITCH CONTROL. ELECTRICAL SERVICE SHALL BE OBTAINED FROM PANELBOARDS IN RESPECTIVE PUMP HOUSES. FOR ACWR-4, PROVIDE NEW 20A, 120V 1P CKT. BKR IN EXIST. P/B (225A, 120/208V, GE TYPE NAB-2A, SPACES AVAILABLE) FOR ACWR-1#3, TAP BUS MAINS OF P/B'S AND PROVIDE NEW 30A, 240V, 2P W/S/N FUSIBLE DISC. SW'S CONNECTED TO PROVIDE 2-120V CKT'S PER DISC. SW. PROVIDE 2-20A FUSES FOR EACH DISC. SW. CONNECT SUMP PUMP MOTORS TO RESPECTIVE SERVICE POINTS WITH 2-#12 COND. #1-#12 GND. IN 1/2" CONDUIT BURIED AROUND ACWR PERIMETER W/18" MIN. FILL. DO NOT BURY UNDERNEATH ACWR'S.



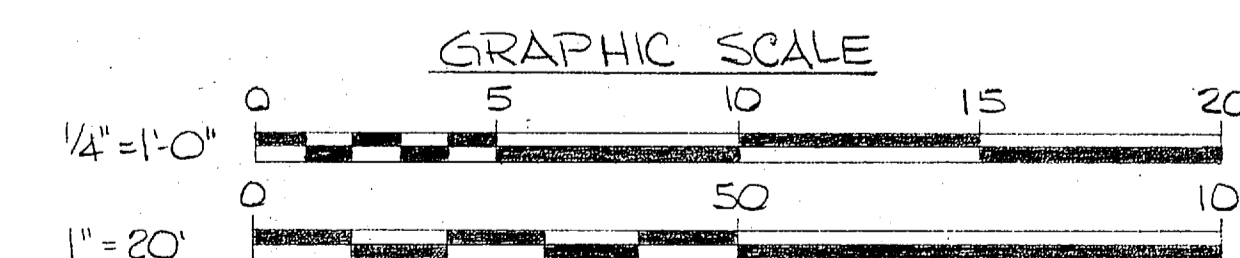
EPD DWG. NO. 120556		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
WORK REQ. NO. 545D4298		NAVAL STATION NORFOLK, VA.	
DES. WRG.		MARINE CORPS AIR STATION NEW RIVER, N.C.	
DRWN. WRG/WCW		SEWAGE SYSTEM IMPROVEMENTS	
TR.		AIRCRAFT WASHRACKS	
CHK. ELR		CIVIL - STRUCTURAL - ELECTRICAL	
BR. MGR. KR		SIZE CODE IDENT. NO. NAVFAC DRAWING NO.	
DES. DIR. WJH		F 80091 4020556	
SATISFACTORY TO DATE		CONSTR. CONTR. NO. N62470-74-B-1344	
APPROVED DATE		SCALE: NOTED SPEC. 05-74-1344 SHEET 3 OF 12	

REVISIONS		
NO.	DESCRIPTION	DATE

NEW	LEGEND	EXISTING
	BUILDING	
	PAVED AREA	
	FENCE	
	SWALE	
	FLOW	
14.0	GROUND ELEVATION	14.0
	POLLUTION ABATE STRU.	
	STORM SEWER	E.S.
SAN	SANITARY SEWER	E.SAN
SAN F.M.	SANITARY FORCE MAIN	E.SAN F.M.
	CHECK VALVE	
	MANHOLE	MH
	CLEANOUT	CO
	FIRE HYDRANT	FH
	WATER	W
	OVERHEAD ELECTRIC	OH E
	POWER POLE	OH STM
	OVERHEAD STEAM	OH STM
	CONC. STEAM SUPPORT	
	CONNECT TO EXIST. DRAIN	E DRAIN

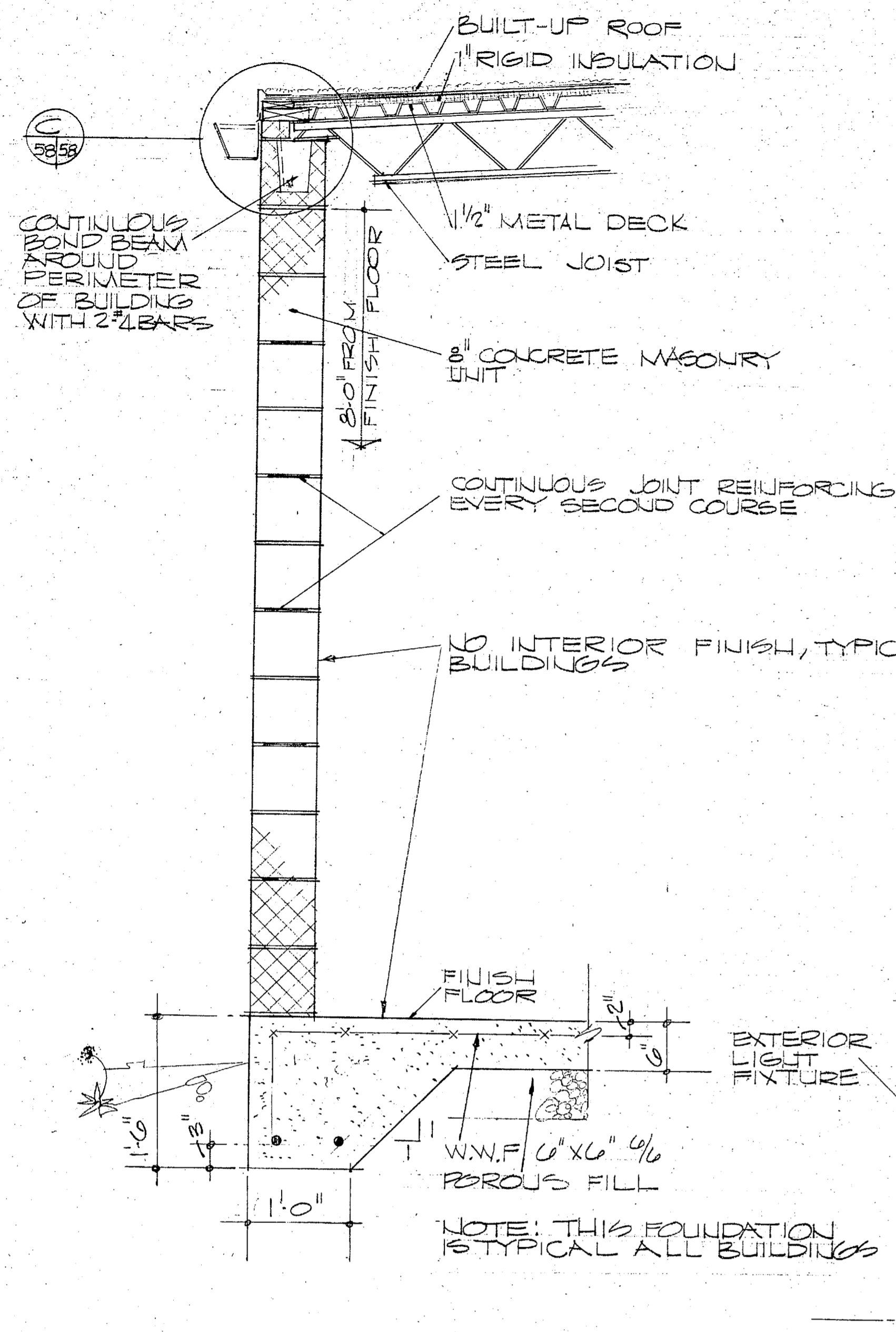


- NOTES:
- POLLUTION ABATEMENT STRUCTURES ARE TO BE CONSTRUCTED AROUND EXISTING DRAIN LINES AND/OR PAVEMENT SURFACES.
 - SURROUNDING SURFACES SHALL BE RESTORED TO THEIR ORIGINAL CONDITIONS AFTER COMPLETION OF CONSTRUCTION.



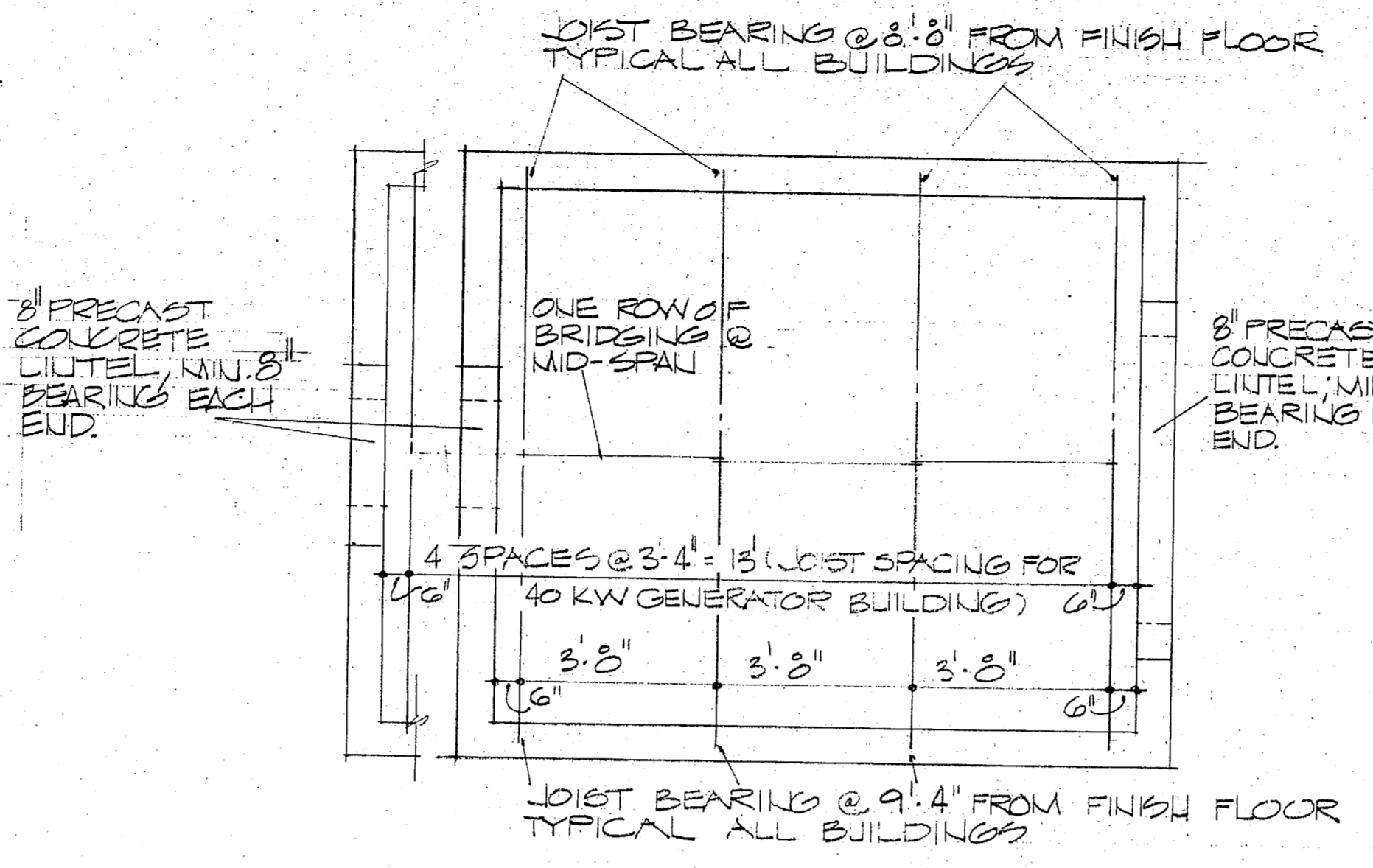
EFD DWG. NO. 120557 WORK ORD. NO. 545 D4298 DES. WRG / ELF DRWN. WRG TR. CHK. ELF BR. MGR. HK DES. DIR. SP-217	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA. MARINE CORPS AIR STATION NEW RIVER, N.C. SEWAGE SYSTEM IMPROVEMENTS POOL BACKWASH DRAIN CIVIL
APPROVED DATE E. J. RAY 12/75 FOR EFD FOR COMMANDER NAVFAC	SIZE CODE IDENT. NO. 4020557 80091 CONSTR. CONTR. NO. U62470-74-B-1344 SCALE NOTED SPEC. 05-74-1344 SHEET 4 OF 12

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED

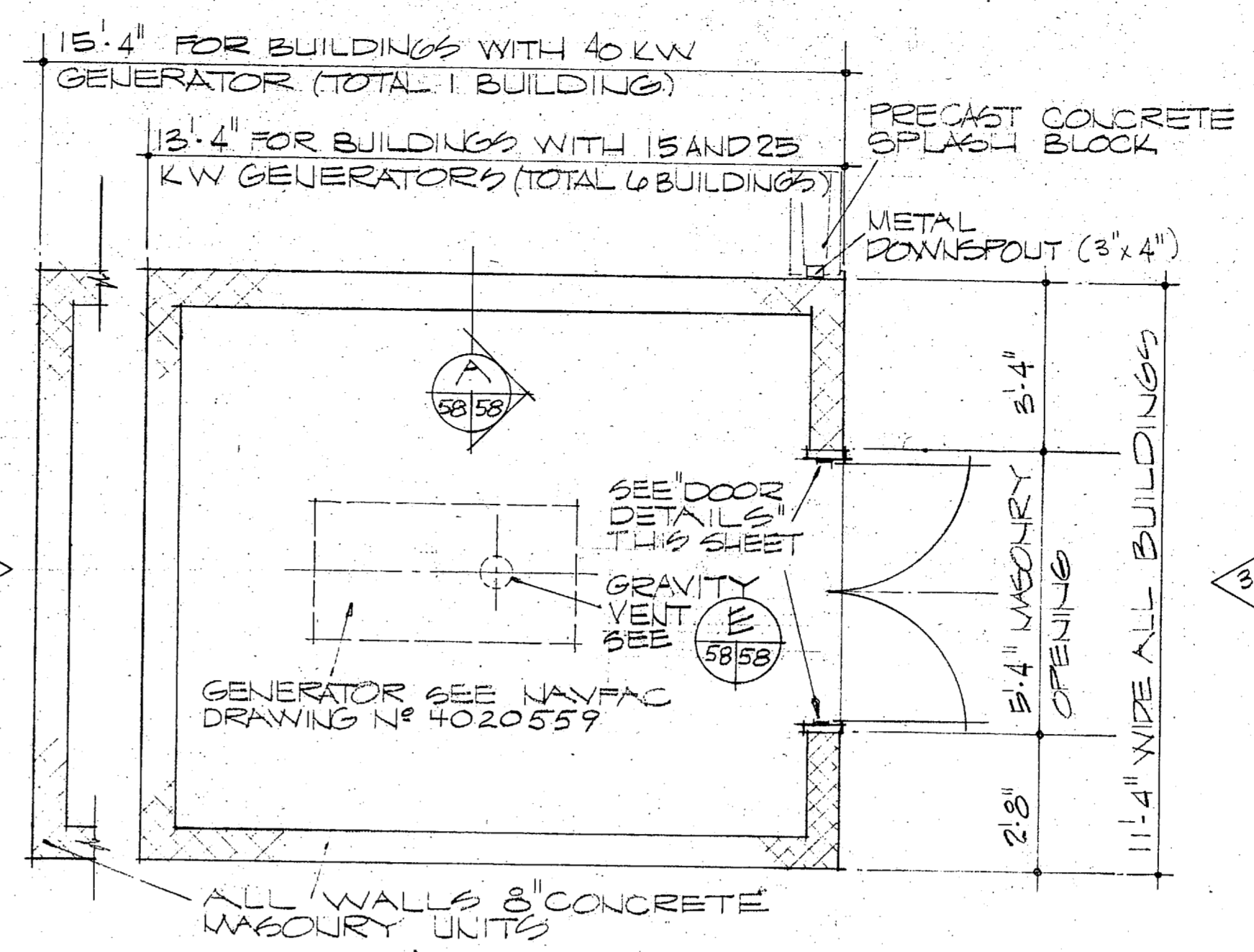


SECTION
SCALE: 1" = 1'-0"
5858

NOTE: JOIST TO BE 8/3 TYPICAL ALL GENERATOR BUILDINGS



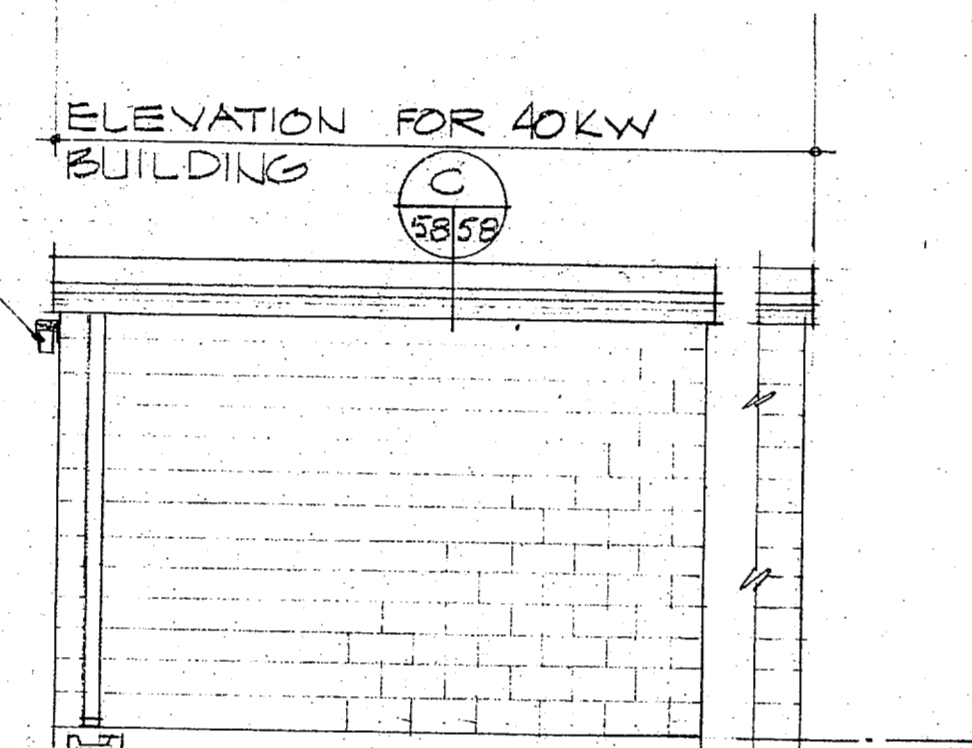
ROOF FRAMING PLAN
SCALE: 3/8" = 1'-0"
5858



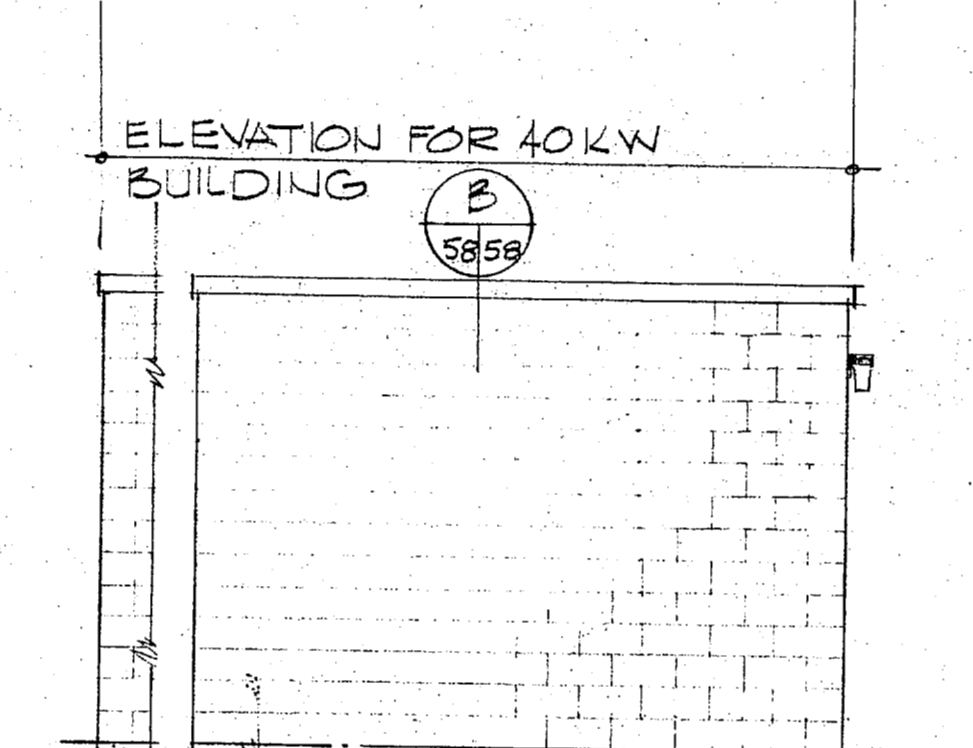
FLOOR PLAN
SCALE: 3/8" = 1'-0"
5858

GENERAL NOTES

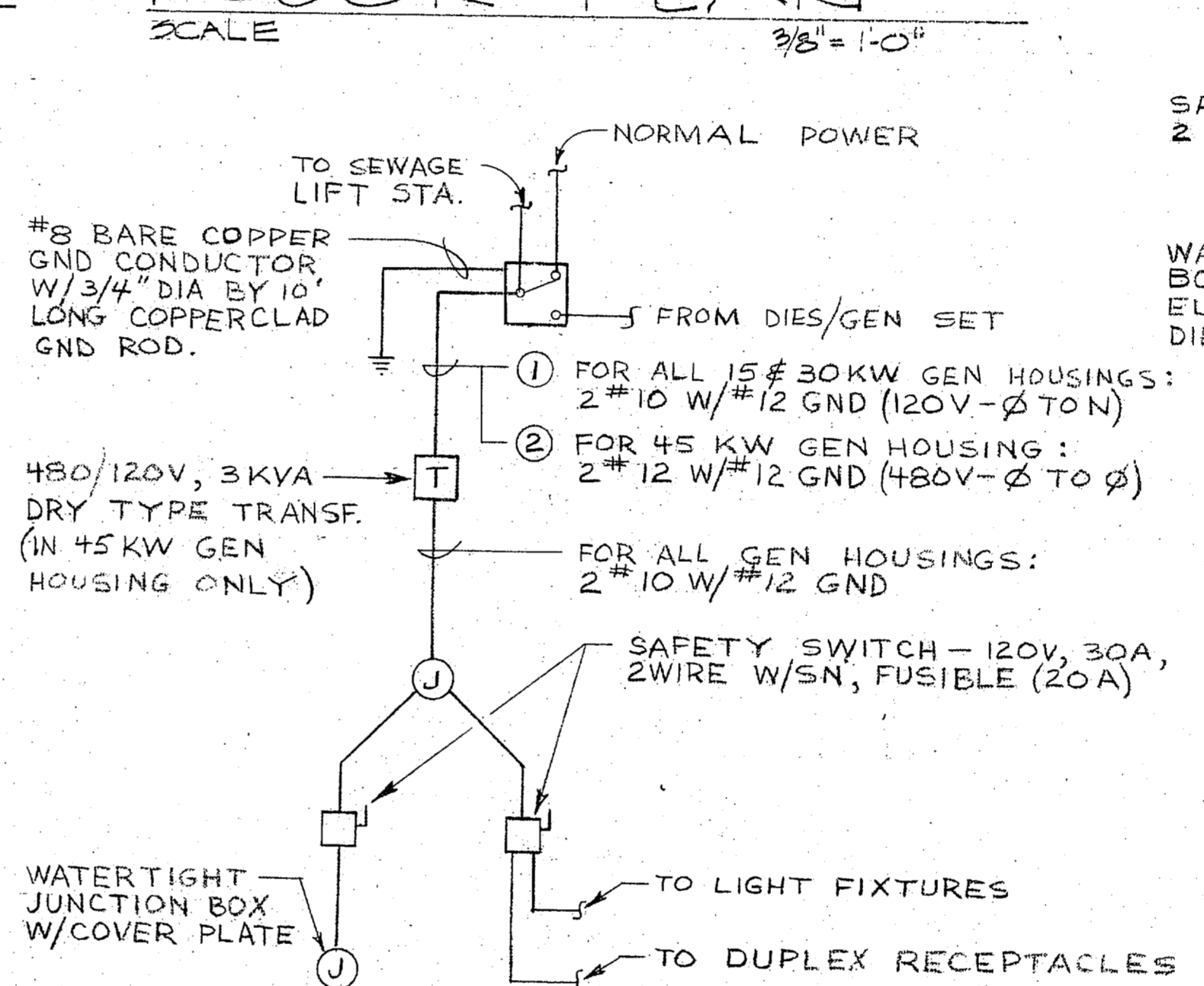
- SEE EACH SEWAGE LIFT STATION SITE PLAN FOR LOCATION AND SITE ORIENTATION OF SEVEN GENERATOR BUILDINGS.
- MANUFACTURES LISTED ONLY AS MATERIAL REFERENCE FOR COLOR, FINISH OR PATTERN ONLY, AN APPROVED EQUIVALENT MAY BE ACCEPTED.
- CONCRETE STRENGTH, $f'_c = 3000$ PSI AT 28 DAYS.
- REINFORCING STEEL $F_y = 40000$ PSI.
- JOIST SHALL BE FABRICATED IN ACCORDANCE WITH S. J. 1.
- METAL ROOF DECK SHALL BE A MINIMUM OF 1/2" DEPTH, 22 GAGE, FABRICATED IN ACCORDANCE WITH S. D. I.
- ALL WORK SHOWN ON THIS SHEET IS NEW.



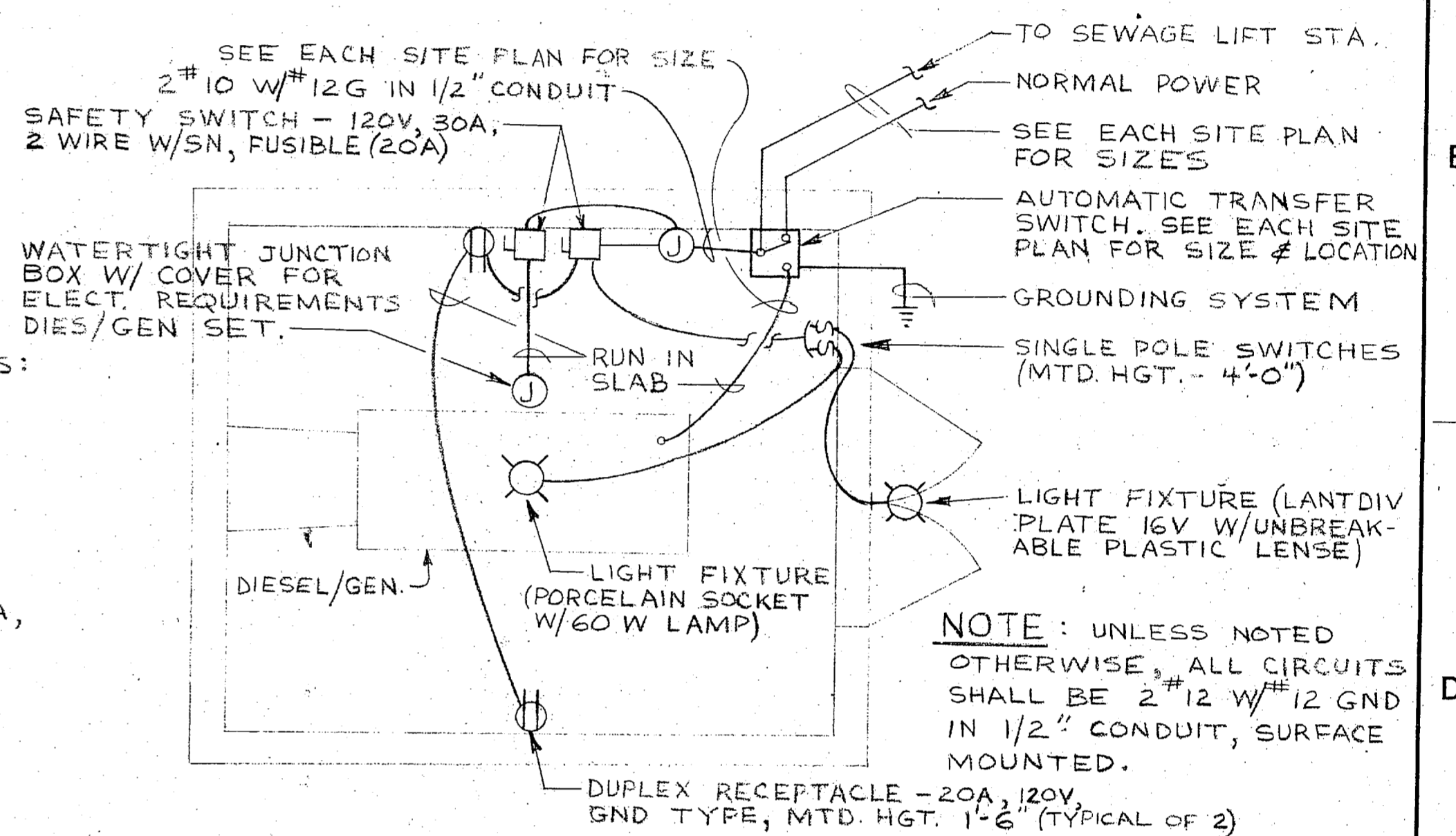
ELEVATION A
SCALE: 1/4" = 1'-0"
5858



ELEVATION B
SCALE: 1/4" = 1'-0"
5858

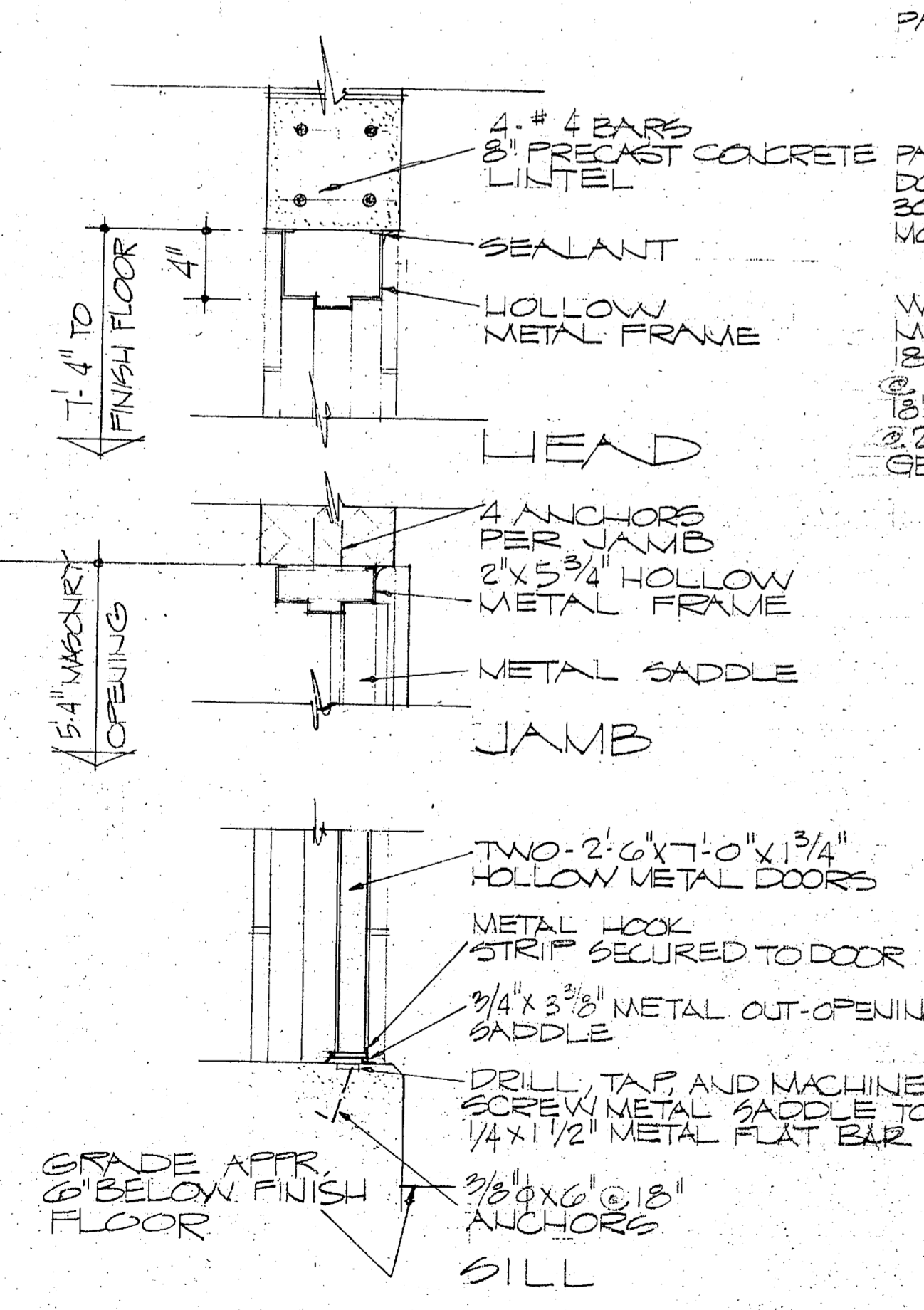


POWER RISER DIAGRAM
NO SCALE

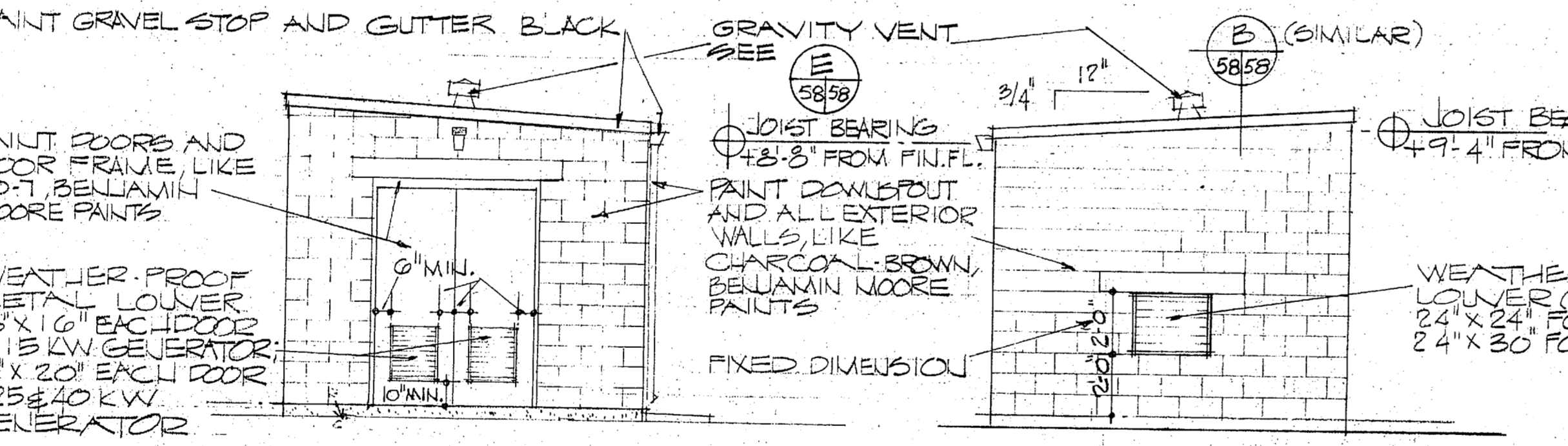


ELECTRICAL FLOOR PLAN
SCALE: 3/8" = 1'-0"
5858

* THIS FLOOR PLAN IS FOR ALL 15 & 30 KW GENERATOR HOUSINGS. THE 45 KW GENERATOR HOUSING IS IDENTICAL EXCEPT FOR A 480/120V STEP DOWN TRANSFORMER AS SHOWN IN POWER RISER DIAGRAM.

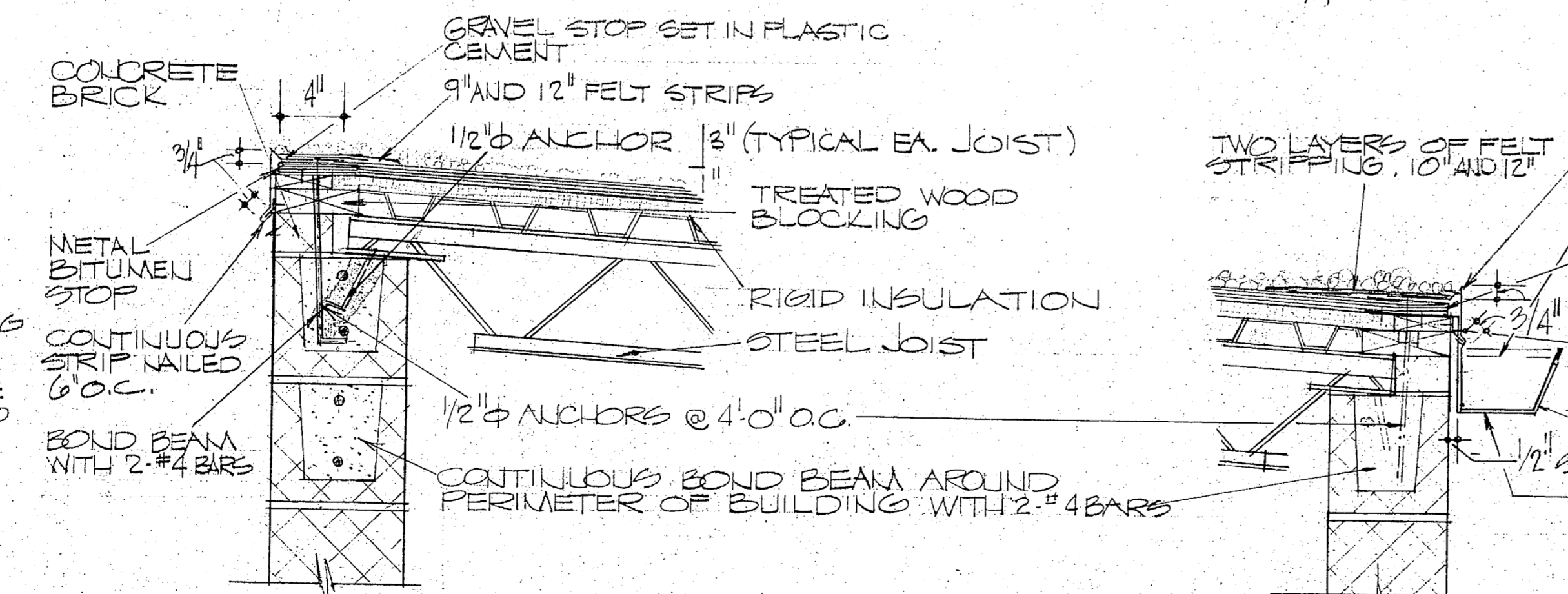


DOOR DETAILS
SCALE: 1/2" = 1'-0"
5858

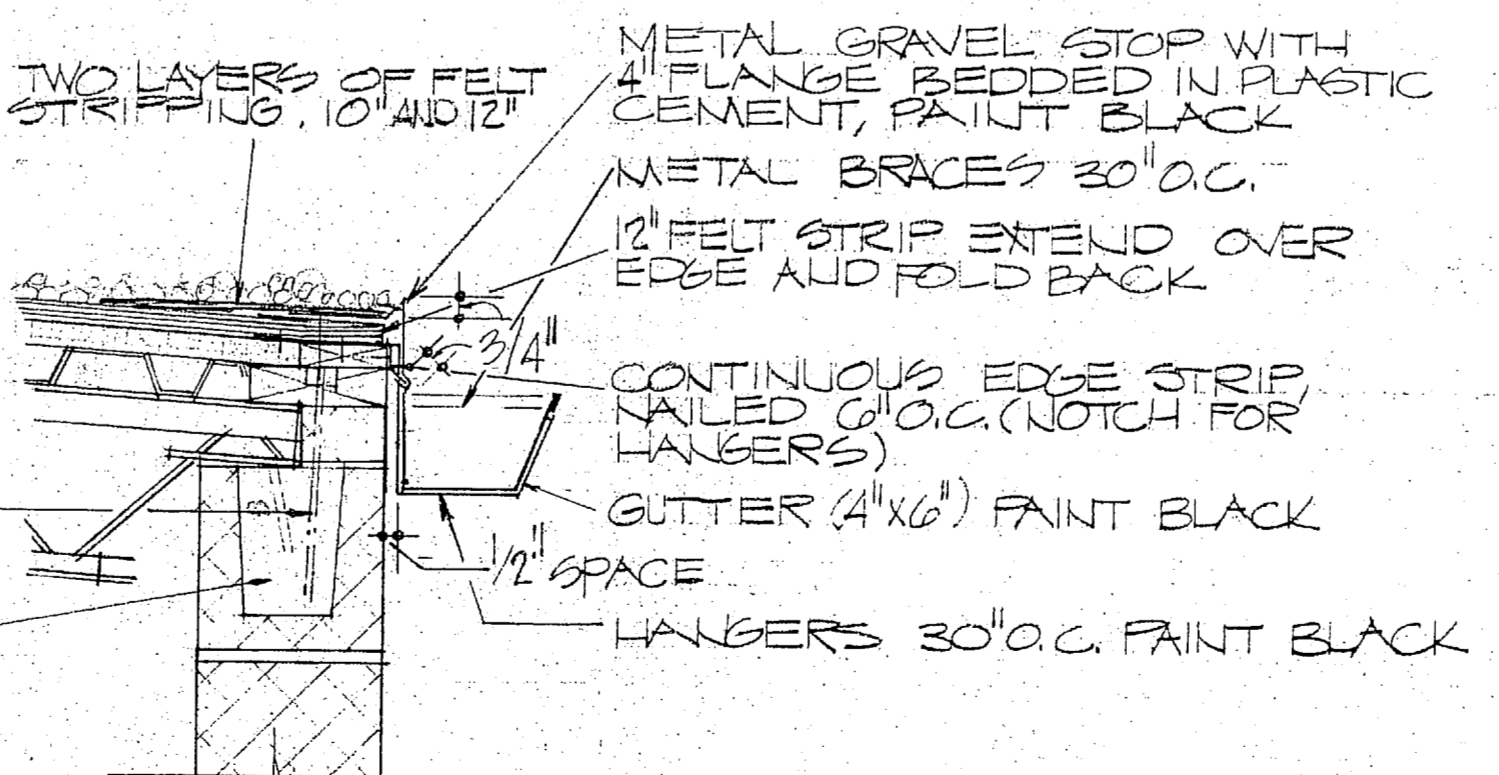


ELEVATION C
SCALE: 1/4" = 1'-0"
5858

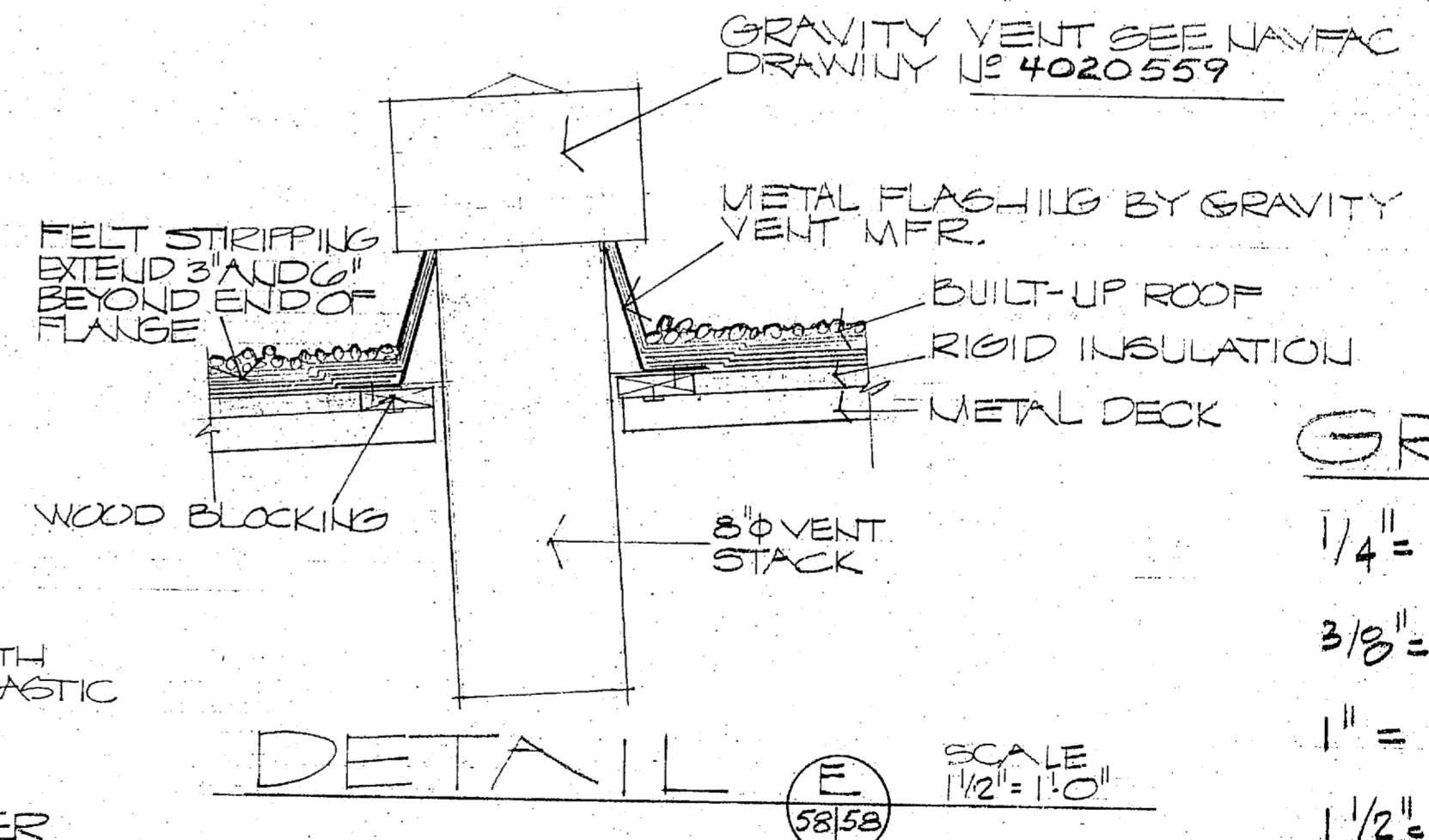
ELEVATION D
SCALE: 1/4" = 1'-0"
5858



DETAIL B
SCALE: 1/2" = 1'-0"
5858

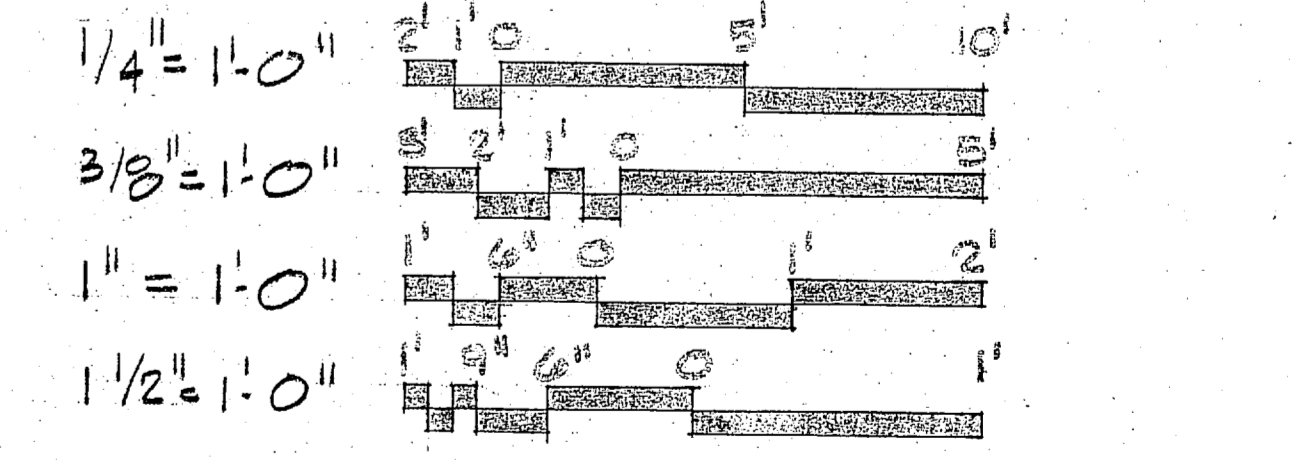


DETAIL C
SCALE: 1/2" = 1'-0"
5858



DETAIL E
SCALE: 1/2" = 1'-0"
5858

GRAPHIC SCALE



EFD DWG. NO. 120558	DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
JOB ORDER NO. 5804293	ATLANTIC DIVISION	
DES. G.L. SCOTT	NORFOLK, VA.	
DRWN. G.L. SCOTT	MARINE CORPS AIR STATION, NEW RIVER U.C.	
CHK. W.S. HUBB	SEWAGE SYSTEM IMPROVEMENTS	
DR. MGR. MEE	GENERATOR BUILDINGS (TOTAL 7)	
DES. DIR. [Signature]	ARCHITECTURAL-STRUCTURAL	
SATISFACTORY TO [Signature]	DATE	
APPROVED [Signature]	DATE	
CONSTR. CONT. NO. 102470-74-B-1344	NAVFAC DRAWING NO. 4020558	
SCALE: NOTED	SPEC. 05-74-1344	SHEET 5 OF 12



LEGEND

- NE NEW ELECTRICAL SERVICE SIZED AS SHOWN WITH THE FOLLOWING NOTATION: (A) AERIAL, (B) BURIED, (C) CONCEALED IN FLOOR SLAB, WITHOUT ANY SCRIPT MARK - SURFACE MOUNTED.
- EE EXISTING ELECTRICAL SERVICE SIZED AS SHOWN WITH THE SAME NOTATION (A, B, C, or WITHOUT ANY) AS IS USED WITH NEW ELECTRICAL CIRCUITS.
- NC EXISTING ELECTRICAL BRANCH CIRCUIT IN SEWAGE LIFT STATION.
- EC NEW MOTOR CONTROL WIRING SIZED IN ACCORDANCE WITH MANUFACTURE'S RECOMMENDATION.
- EC EXISTING MOTOR CONTROL WIRING.
- S NEW ANNUNCIATION SIGNAL CABLE WITH NUMBER OF #22 AWG PAIRS OF CONDUCTORS AS SHOWN.
- A NEW ANNUNCIATION SIGNAL CABLE, POLE MOUNTED, WITH NUMBER OF #22 AWG PAIRS OF CONDUCTORS AS SHOWN.
- D NEW ANNUNCIATION SIGNAL CABLE, DIRECT BURIED, WITH NUMBER OF #22 AWG PAIRS OF CONDUCTORS AS SHOWN.
- G NEW GROUND CONDUCTOR - #8 BARE CONDUCTOR.
- S(B) NEW GROUND ROD - 3/4" DIA, 10' LONG COPPER CLAD STEEL ROD.
- F(1) EXISTING SEWER LINE SIZE AS SHOWN.
- F(1) EXISTING FRESH WATER LINE SIZE AS SHOWN.
- EXISTING CHAIN LINK FENCE.
- NEW WEATHERHEAD AND CONDUIT MAST SIZED AS SHOWN.
- NEW AUTOMATIC TRANSFER SWITCH FOR SIZES SEE SCHEDULE ON NAV FAC DWG. 4020559.
- NEW MANUAL DOUBLE THROW TRANSFER SWITCH FOR SIZES SEE SCHEDULE ON NAV FAC DWG. 4020559.
- NEW TERMINAL BLOCK WITH 8 POINTS UNLESS NOTED OTHERWISE.
- NEW TIME DELAY RELAY.
- NEW DIESEL/GENERATOR SET. FOR SIZES SEE SCHEDULE ON NAVFAC DWG. NO. 4020559.
- NEW POWER AVAILABLE RELAY. SEE DETAIL ON NAVFAC DWG. 4020559.
- NEW MALE POWER CONNECTOR (RECEPTACLE) - 4W, 4P, 100A, 600V, GROUNDED THROUGH SHELL AND WEATHERPROOF. SEE NOTE 10.
- NEW DISCONNECT SWITCH SIZED AS SHOWN.
- EXISTING DISCONNECT SWITCH.
- NEW FLOAT SWITCH.
- EXISTING FLOAT SWITCH.
- NEW ALTERNATOR.
- EXISTING ALTERNATOR.
- EXISTING JUNCTION BOX.
- EXISTING MOTOR CONTROLLER.
- EXISTING MOTOR, SIZE AS SHOWN.
- EXISTING TRANSFORMER.
- SLS SEWAGE LIFT STATION.

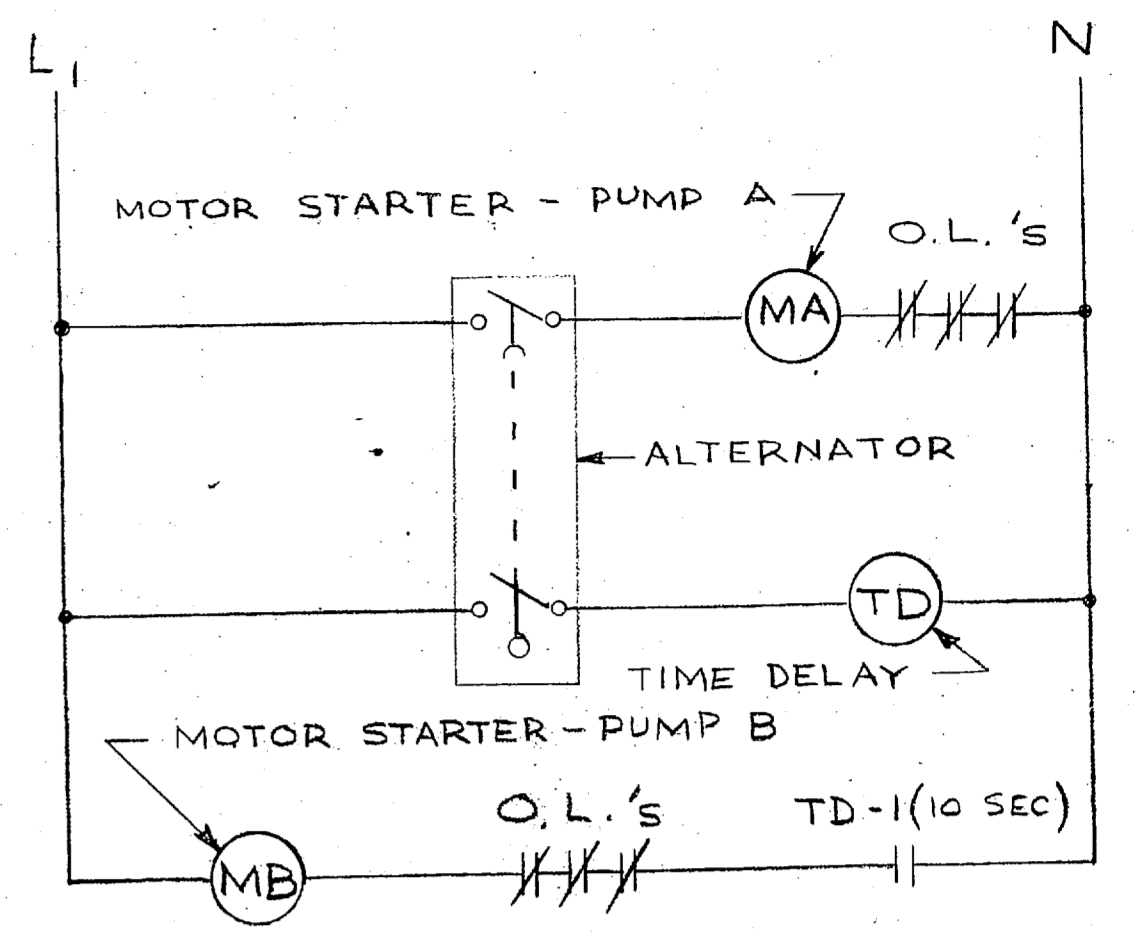
GENERAL NOTES

1. UNLESS NOTED OTHERWISE, ALL CIRCUITS WHICH ARE SIZED ARE NEW.
2. SEAL ALL AROUND AND MAKE WATERPROOF ALL CONDUITS WHICH PENETRATE ANY WALL, FLOOR, AND/OR CEILING.
3. ALL OPENINGS IN WALLS, FLOORS AND/OR CEILINGS WHICH RESULT FROM THE REMOVAL OF EQUIPMENT OR MATERIAL SHALL BE PATCHED, SEALED, MADE WATERPROOF, AND REPAINTED TO MATCH EXISTING SURFACE CONDITIONS.
4. CONDUIT ENTRANCES USED FOR THE ANNUNCIATION SYSTEM SHALL EXTEND A MINIMUM OF FIVE FEET FROM THE BUILDING OR CONTROL PANEL WHICH IT ENTERS, UNLESS NOTED OTHERWISE. ALL CONDUIT RUNS BETWEEN TERMINAL BLOCKS AND FLOAT SWITCHES SHALL BE BURIED WITH 20" MINIMUM FILL.
5. ALL CONDUIT SHALL BE RIGID GALVANIZED STEEL. CONDUIT WHICH IS BURIED SHALL BE COVERED WITH AN APPROVED ASPHALTIC PAINT. UNLESS NOTED OTHERWISE, BURIED CONDUIT SHALL HAVE A MINIMUM FILL OF 20". ENDS OF ALL CONDUIT SHALL HAVE BUSHING FITTINGS.
6. WHERE ELECTRICAL POWER SERVICES ARE REPLACED, THE CONTRACTOR SHALL CONNECT THE NEW SERVICE USING THE IDENTICAL TYPE OF CONNECTION AS WAS USED WITH THE EXISTING. THIS INCLUDES CONNECTIONS AT TRANSFORMERS AND IN THE SERVICE ENTRANCE DEVICES IN THE SLS.
7. WHERE EXISTING SERVICE CONDUCTORS ARE REQUIRED TO BE REUSED, THE CONTRACTOR SHALL NOT DAMAGE THESE CONDUCTORS. IF ANY CONDUCTOR IS DAMAGED, THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL REPLACE IT FOR THE ENTIRE CIRCUIT LENGTH.
8. AT SLS-1, 2, 4, 6, 7, 8 #10, THE TERMINAL BLOCK SHALL BE MOUNTED ON A PIECE OF 6" x 6" x 3/4" EXTERIOR PLYWOOD WHICH SHALL BE MOUNTED 24" ABOVE FINISHED FLOOR. AT SLS-3 #11, THE TERMINAL BLOCK AND POWER AVAILABLE RELAY SHALL BE MOUNTED ON A PIECE OF 3/4" EXTERIOR PLYWOOD WHICH SHALL BE MOUNTED INSIDE THE ANNUNCIATION CONTROL PANEL.
9. ALL SLS ELECTRICAL SERVICE ENTRANCES WHICH HAVE A NEUTRAL CONDUCTOR SHALL HAVE A NEW SERVICE GROUND SYSTEM. THE NEUTRAL SHALL BE GROUNDED AT THE TRANSFER SWITCH. THE SERVICE GROUND SHALL BE CONTINUOUS TO THE SLS SERVICE ENTRANCE DEVICE AND SHALL BE CONNECTED TO THE EXISTING GROUND BUS, IF ANY, OR TO THE EXISTING NEUTRAL BUS BAR. ALL SERVICE ENTRANCE DEVICES SHALL HAVE EQUIPMENT GROUNDS.
10. THE MALE POWER CONNECTOR (RECEPTACLE) SHALL BE APPLETON ELECTRIC COMPANY MODEL AEEA 10475 OR EQUIVALENT. THE MATCHING FEMALE CONNECTOR (PLUG) SHALL BE APPLETON MODEL AEP 10453 OR EQUIVALENT. THE MATCHING MALE ADAPTER CONNECTOR (CONNECTION BODY) SHALL BE APPLETON MODEL APR 10453 OR EQUIVALENT.
11. PROVIDE ONE TOTALLY ENCLOSED, WEATHERPROOF, MOBILE, 30KW VARIABLE VOLTAGE (120/208V, 3P, 4W AND 277/480V, 3P, 4W) DIESEL GENERATOR SET.

LIFT STA. NO.	BLDG NO.	SERVICE VOLTAGE	GENERATOR SIZE AT 0.8 PF.	TRANSFER SW AMP. RATING	REMARKS
1	1001	120/240V - 3P - 4W	15 KW	75 A	
2	230	120/208V - 3P - 4W	30 KW	100 A	
3	426	120/208V - 3P - 4W		30 A	PROVIDE MOBILE GEN. CONNECTION
4	206	120/208V - 3P - 4W	30 KW	100 A	
5	517	480V - 3P - 3W		30 A	PROVIDE MOBILE GEN. CONNECTION
6	4125	480V - 3P - 3W	4.5 KW	75 A	
7	606	120/208V - 3P - 4W	30 KW	100 A	
8	850	120/208V - 3P - 4W	30 KW	100 A	
9	902	480V - 3P - 3W		60 A	PROVIDE MOBILE GEN. CONNECTION
10	2001	120/240V - 3P - 4W	15 KW	75 A	
11	2808	120/240V - 1P - 3W			PROVIDE ANNUN. ONLY
12	-	120/208V - 3P - 4W			PROVIDE ANNUN. ONLY

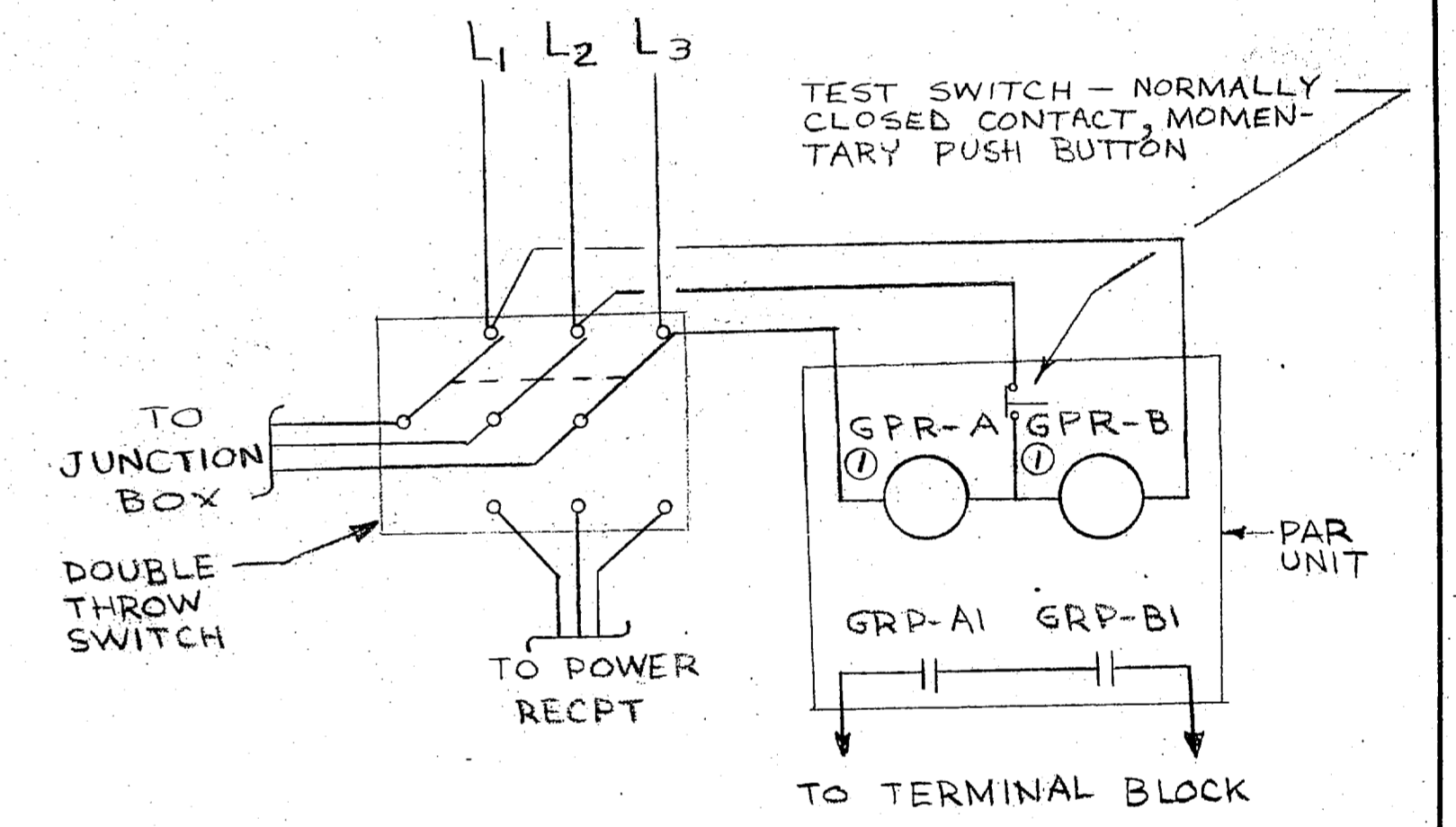
- ① ALL SWITCHES SHALL BE AUTOMATIC TRANSFER TYPE, 3P WITH NEUTRAL CONDUCTOR LUGS, UNLESS NOTED OTHERWISE.
- ② PROVIDE MANUAL DOUBLE THROW SWITCH, 3P, SN, NONFUSED.

NO.	DESCRIPTION	DATE	APPROVED

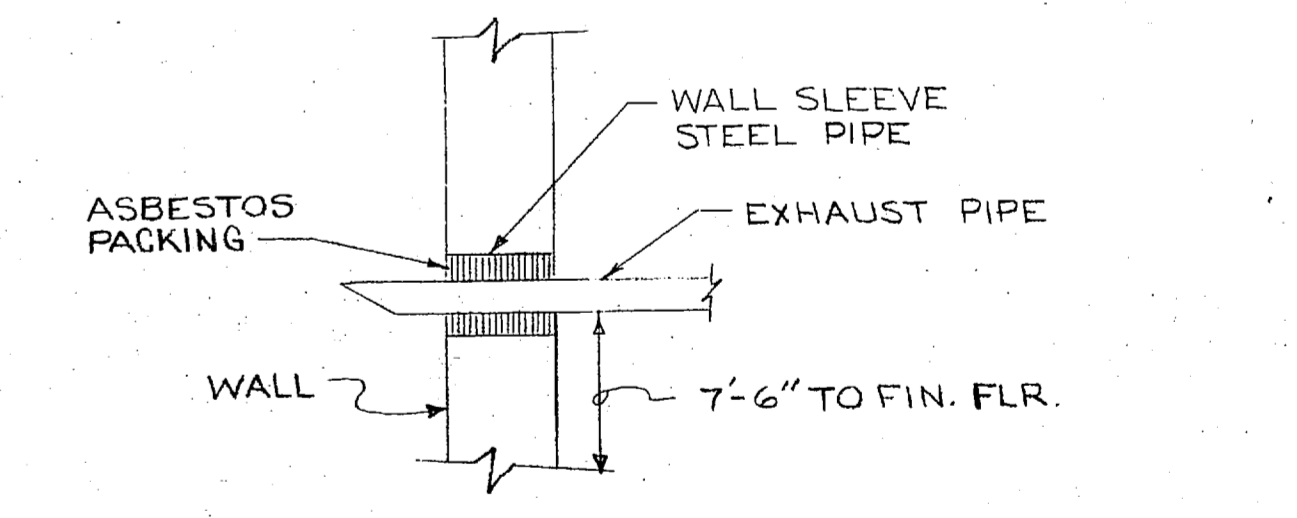


MOTOR CONTROL MODIFICATION
NO SCALE (TYPICAL)

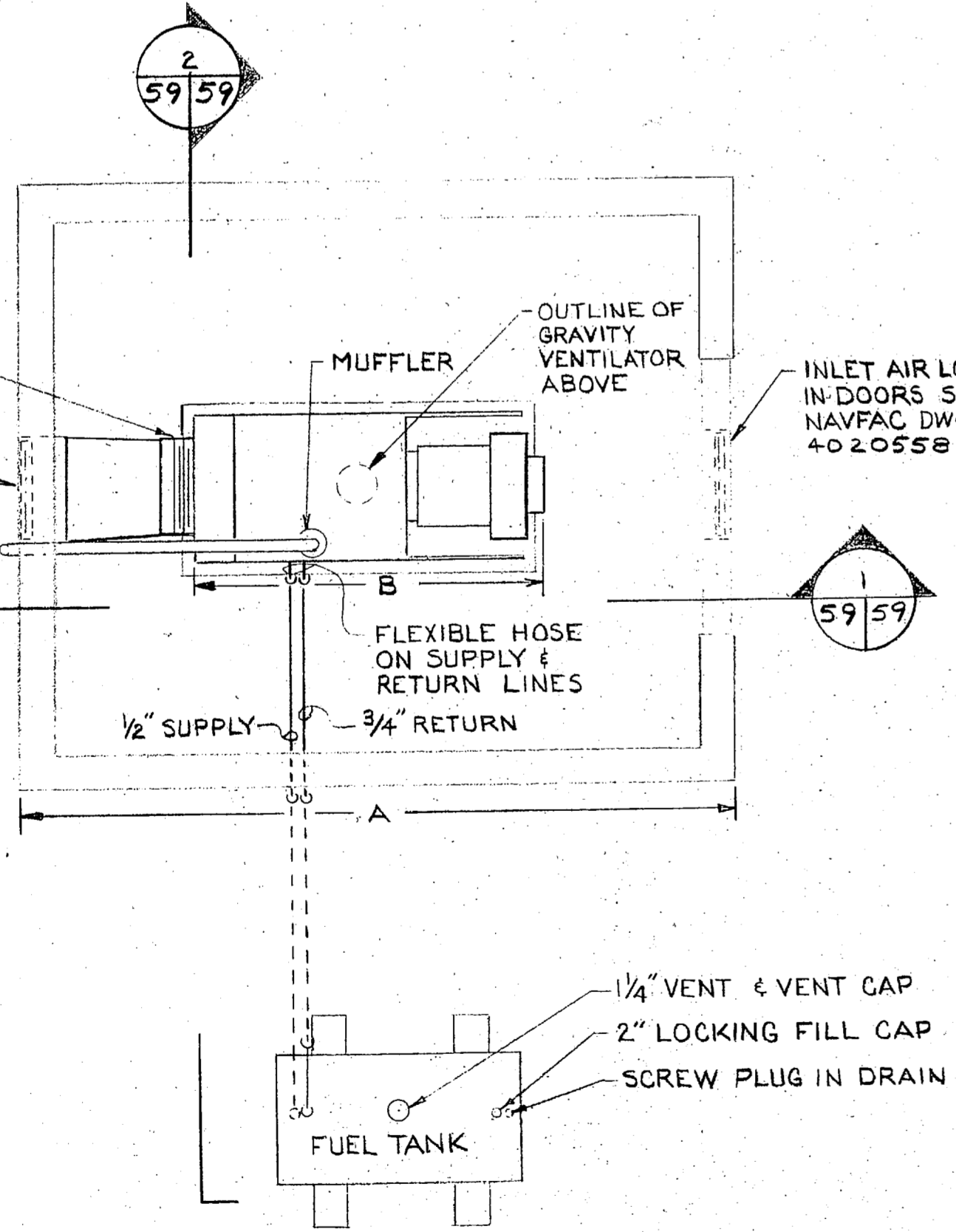
① GPR: GENERAL PURPOSE RELAY WITH ONE NORMALLY OPEN CONTACT. THE RELAY SHALL ENERGIZE WHEN THE SAMPLE VOLTAGE IS AT LEAST 90% OF ITS NORMAL VALUE. THE RELAY SHALL DE-ENERGIZE WHEN THE SAMPLE VOLTAGE IS LESS THAN 90% OF ITS RATED VALUE. ALL RELAYS SHALL BE IN NEMA 1 ENCLOSURES.



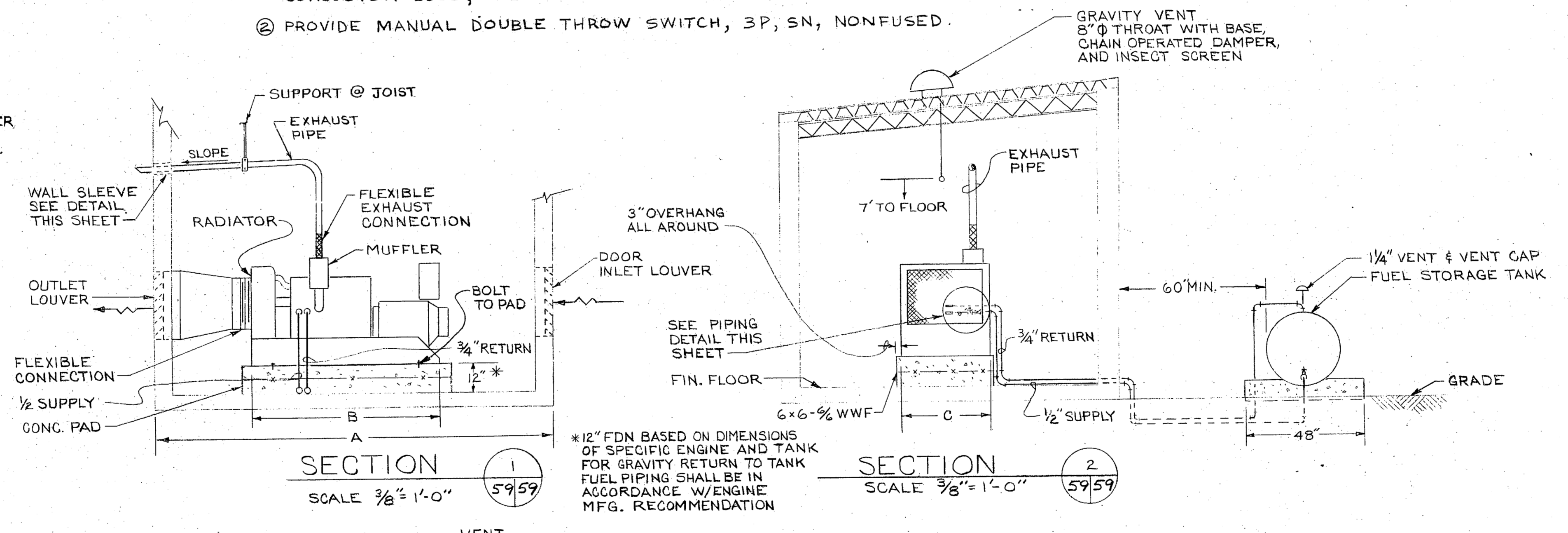
PAR CONTROL WIRING DETAIL
NO SCALE



THRU WALL EXHAUST DETAIL
NO SCALE

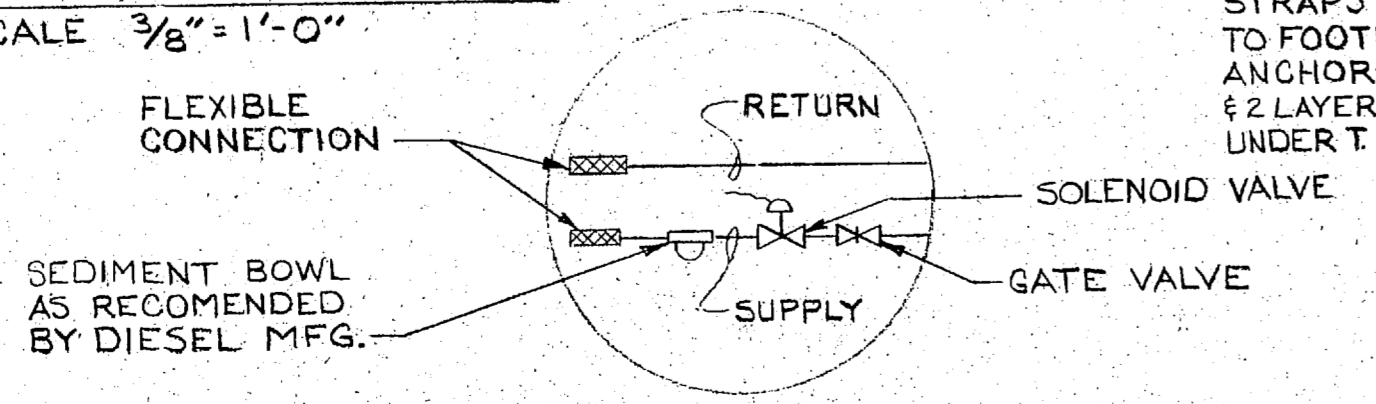


PLAN
SCALE 3/8" = 1'-0"

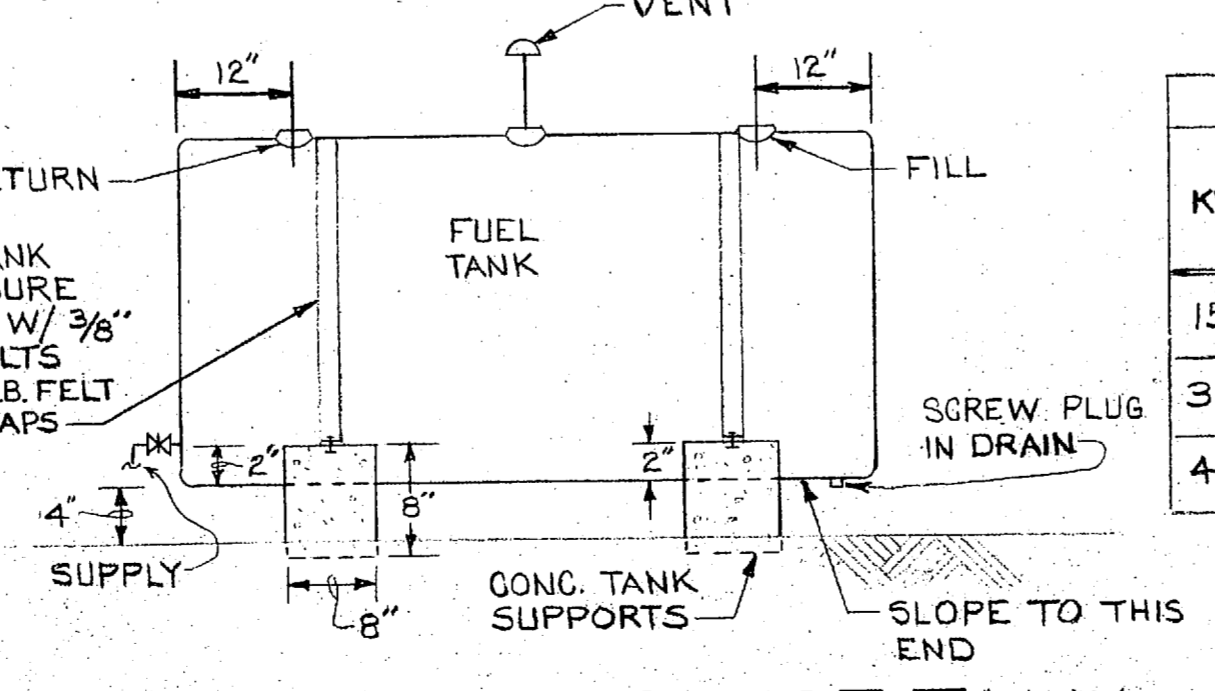


SECTION 1
SCALE 3/8" = 1'-0"

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



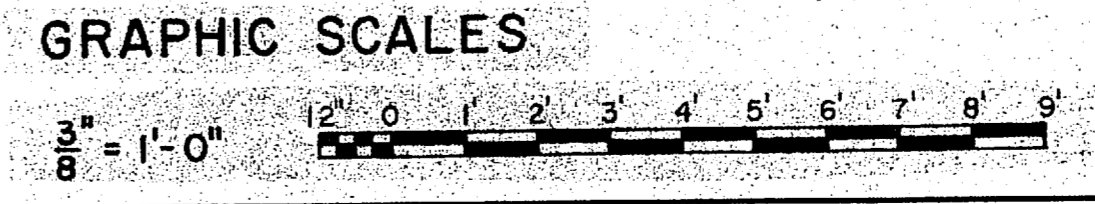
PIPING DETAIL
NO SCALE



SIDE ELEVATION OF TANK
NO SCALE

KW	FUEL OUTLET SIZE	FUEL INLET SIZE	TANK SIZE CAPACITY	DIMENSIONS			LOUVERS		RADIATOR OUTLET	EXHAUST PIPE SIZE	WALL SLEEVE DIA.	
				DIA. x LG.	A	B	C	INLET				OUTLET
15	1/4"	1/2"	120 GAL.	27" x 48"	18" x 4"	62"	27"	24" x 24"	24" x 24"	19" x 17"	1 1/2"	3"
30	1/4"	1/2"	280 GAL.	42" x 48"	18" x 4"	66 1/2"	33"	24" x 30"	24" x 30"	22" x 21"	2 1/2"	4"
45	1/4"	1/2"	280 GAL.	42" x 48"	15" x 4"	82 1/2"	33"	24" x 30"	24" x 30"	22" x 21"	3"	5"

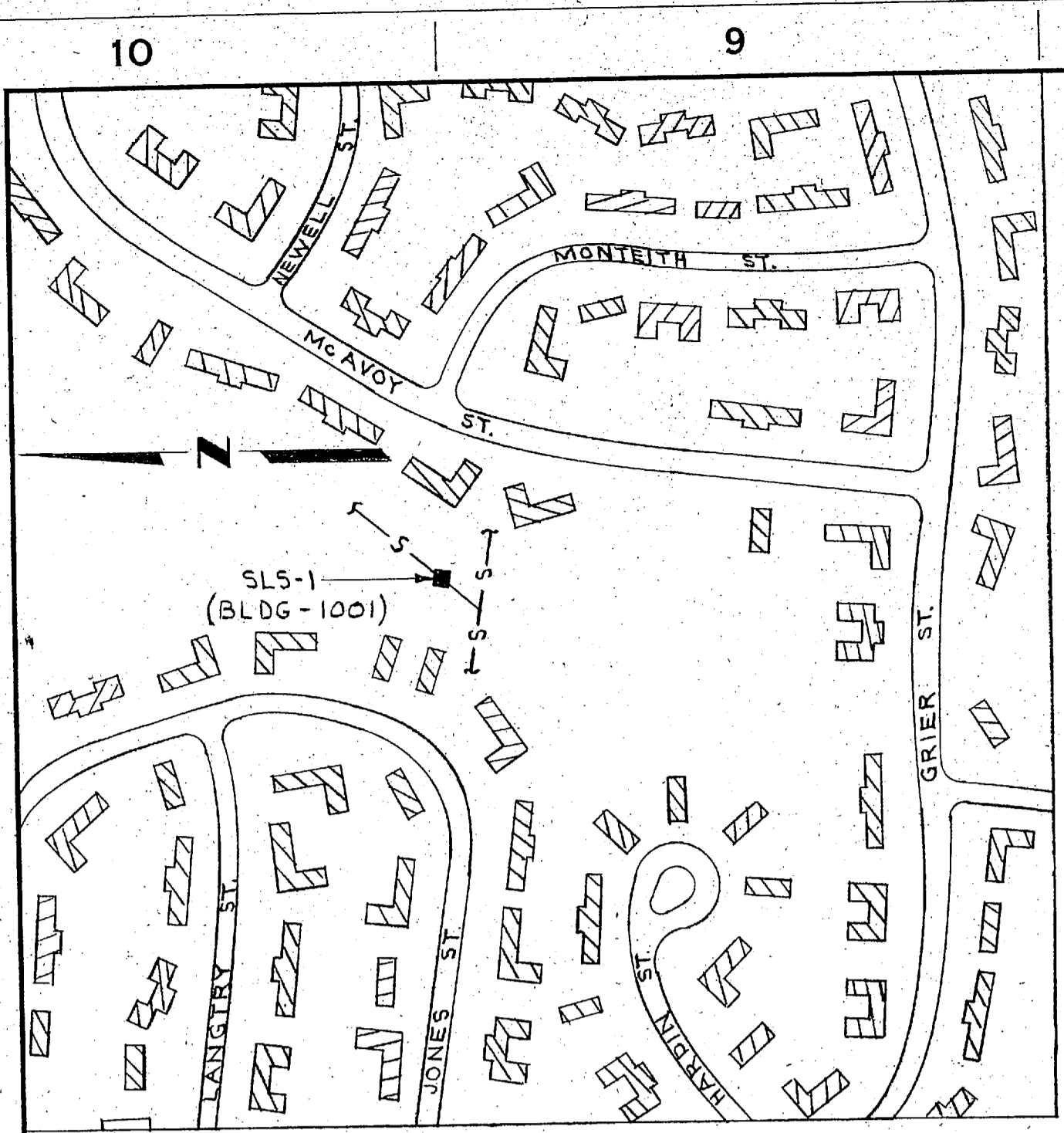
NOTE: MIN. LIFT FUEL PUMP, 6 FT.



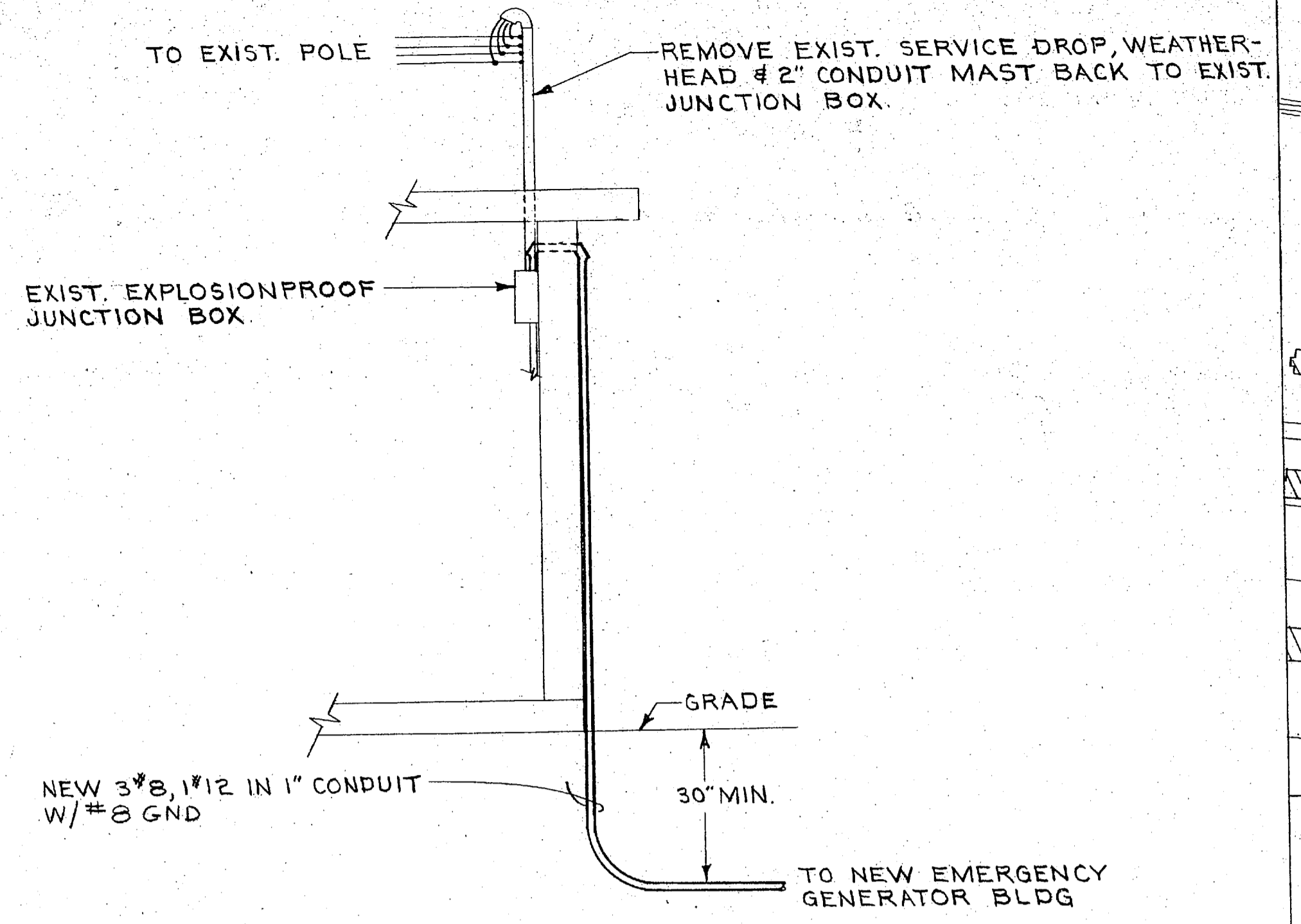
EFD DWG. NO. 120559		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
WORK REG. NO. 54504298		ATLANTIC DIVISION	
DES. L. COLLIER / RCB/SMH		NORFOLK, VA.	
DRWN. LRC / S. HOOPER		MARINE CORPS AIR STATION NEW RIVER, N.C.	
TR.		SEWAGE SYSTEM IMPROVEMENTS	
CHK. RWT		DETAILS - NOTES - LEGEND	
BR. MGR. JHW		ELECTRICAL/MECHANICAL	
DES. DIR. [Signature]		SIZE CODE IDENT. NO. NAVFAC DRAWING NO.	
SATISFACTORY TO DATE		F 80091 4020559	
APPROVED [Signature]		CONSTR. CONTR. NO. NC2470-74B-1344	
DATE APR 1975		SCALE SHOWN SPEC. 05-74-1344 SHEET 6 OF 12	



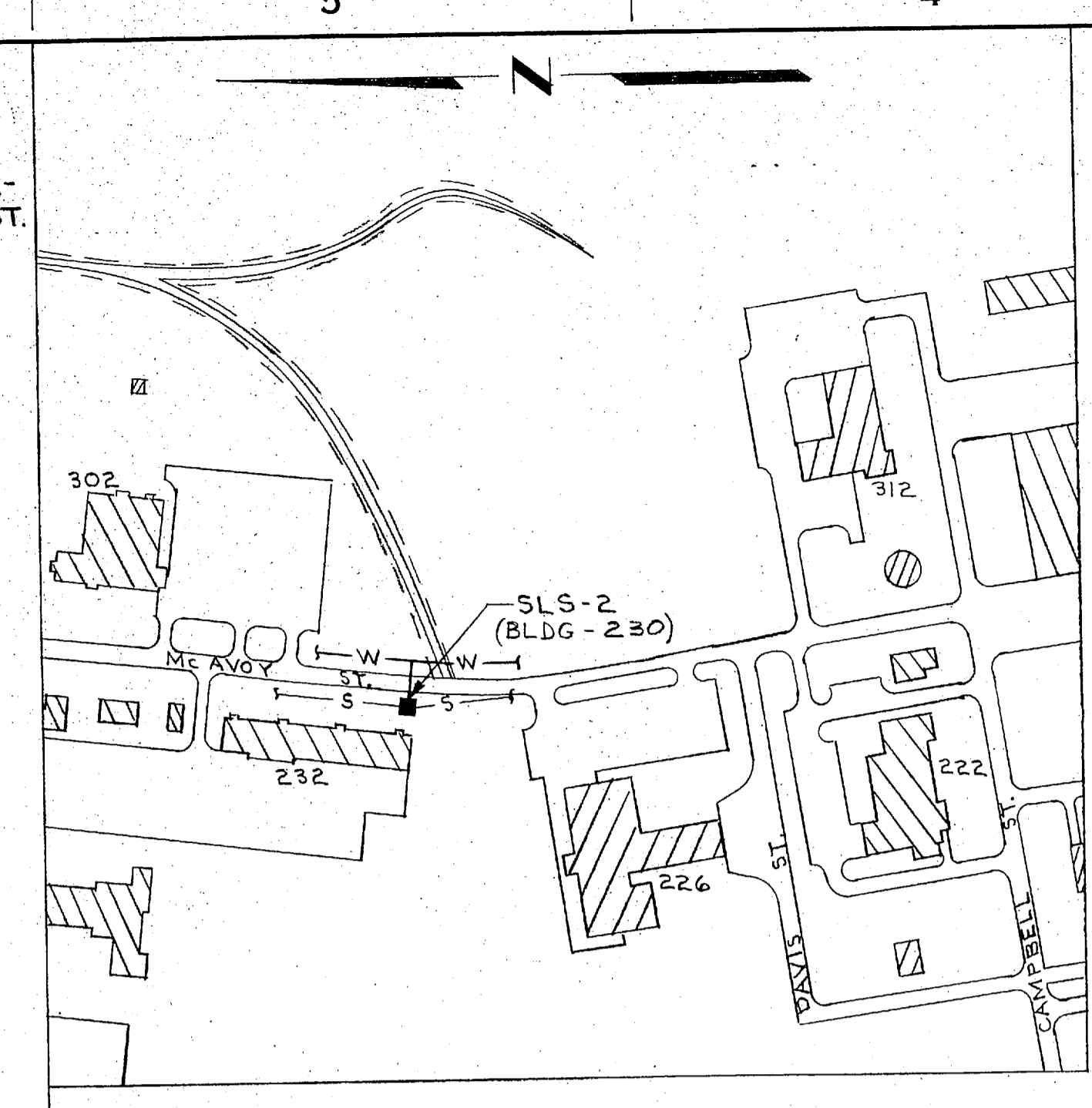
REVISIONS			
STK.	DESCRIPTION	DATE	APPROVED



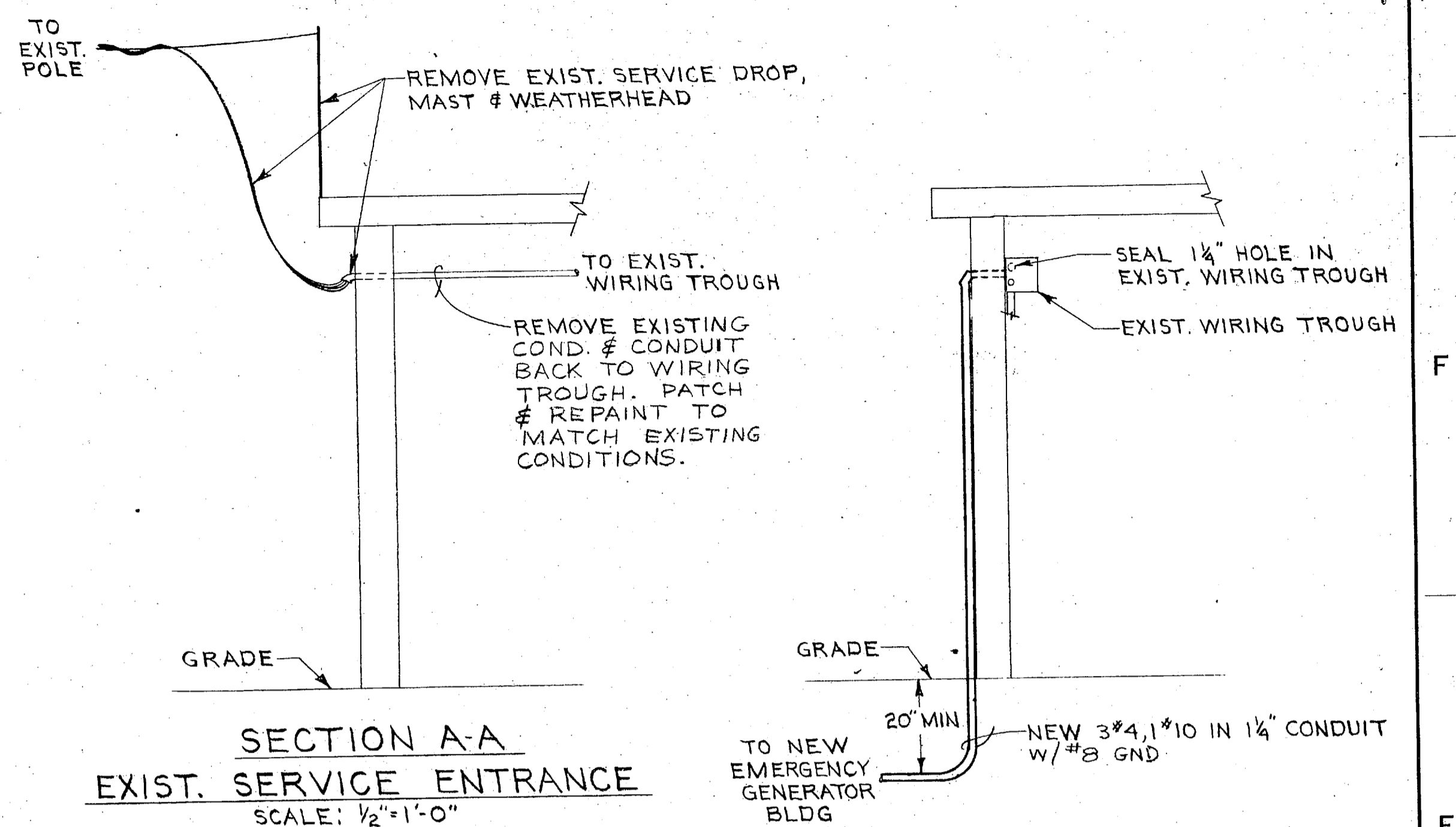
PLOT PLAN
SCALE: 1"=200'
SLS-1



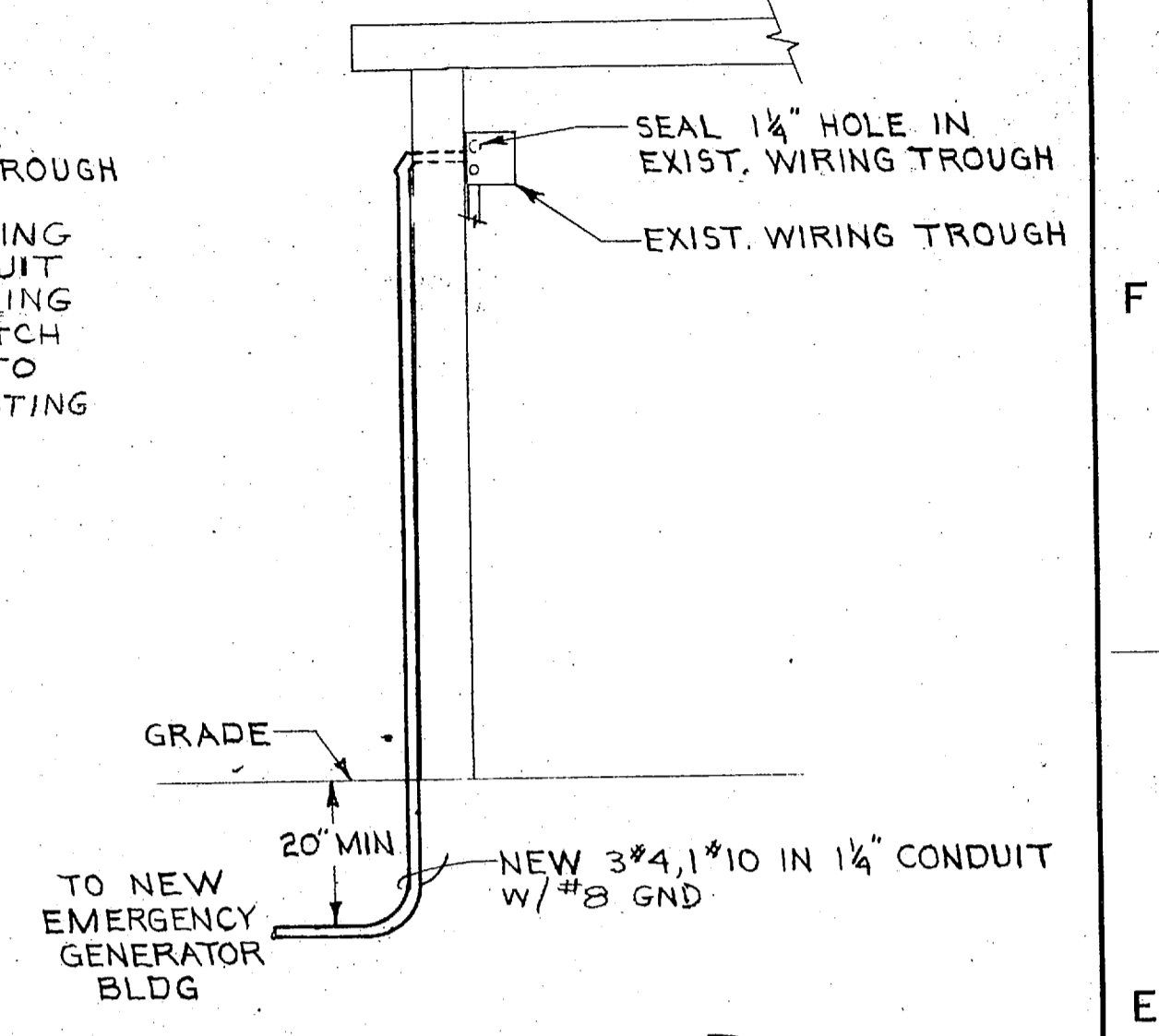
SECTION A-A NEW SERVICE ENTRANCE
SCALE: 1/2"=1'-0"



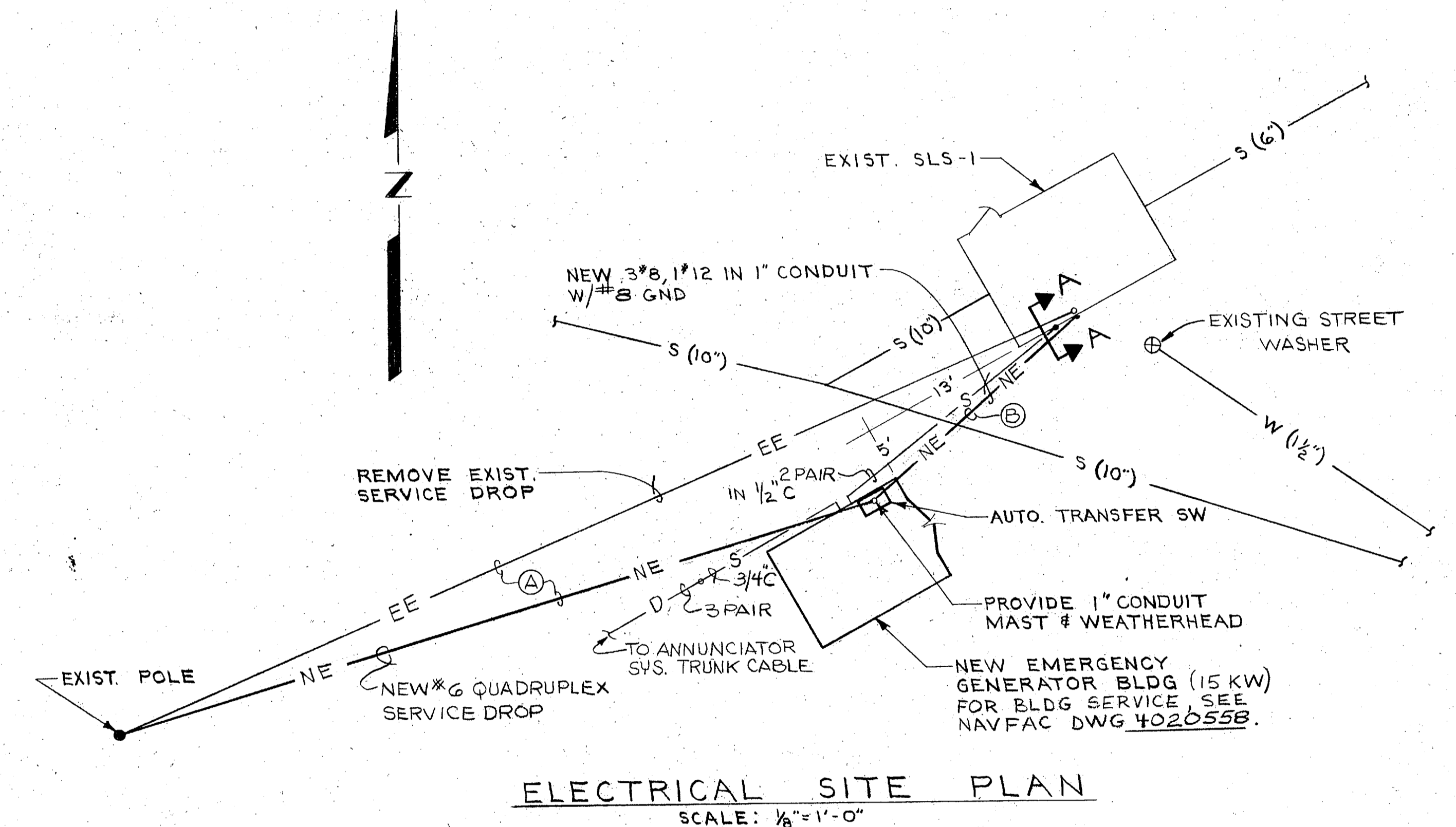
PLOT PLAN
SCALE: 1"=200'
SLS-2



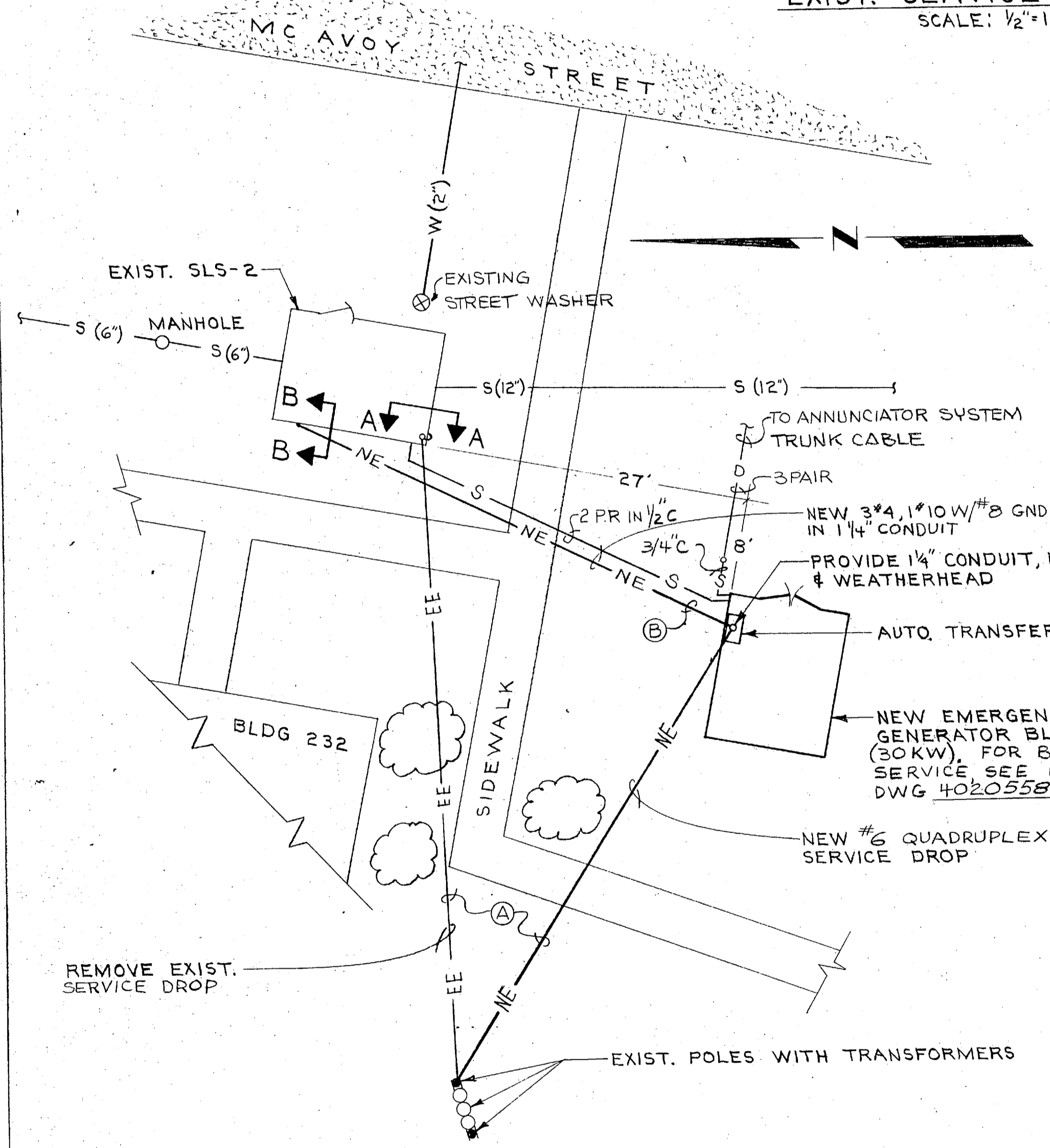
SECTION A-A EXIST. SERVICE ENTRANCE
SCALE: 1/2"=1'-0"



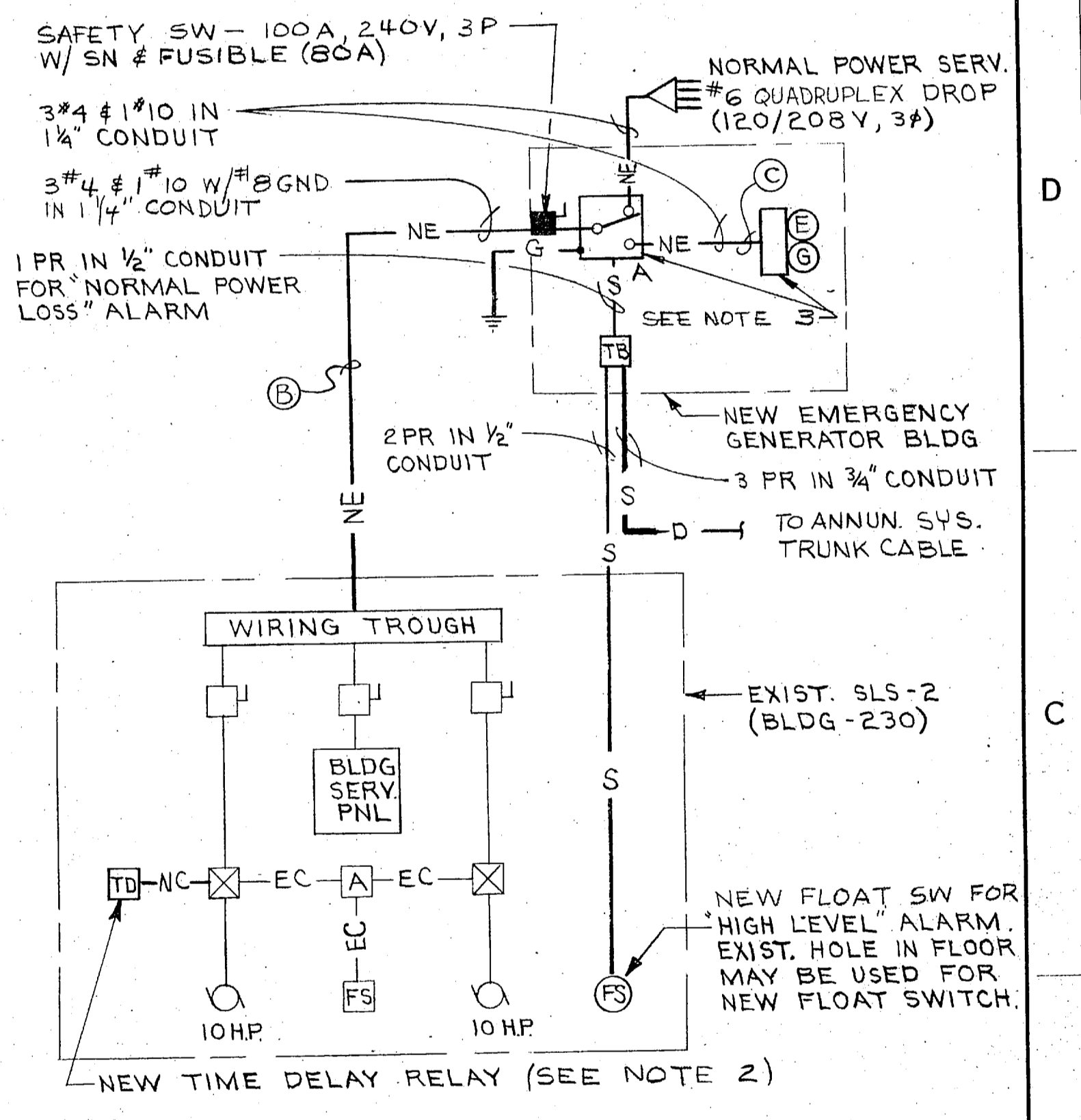
SECTION B-B NEW SERVICE ENTRANCE
SCALE: 1/2"=1'-0"



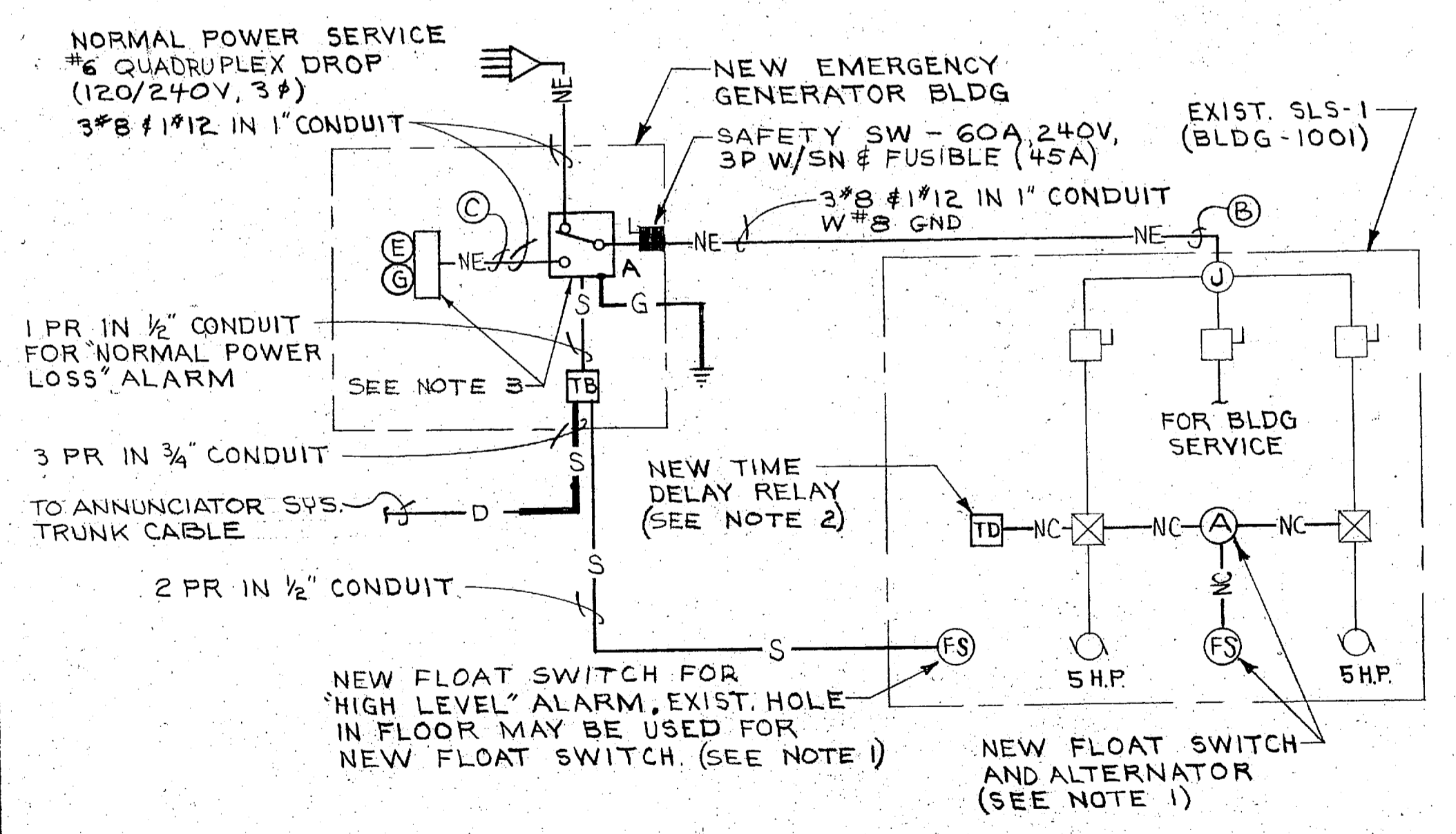
ELECTRICAL SITE PLAN
SCALE: 1/8"=1'-0"



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



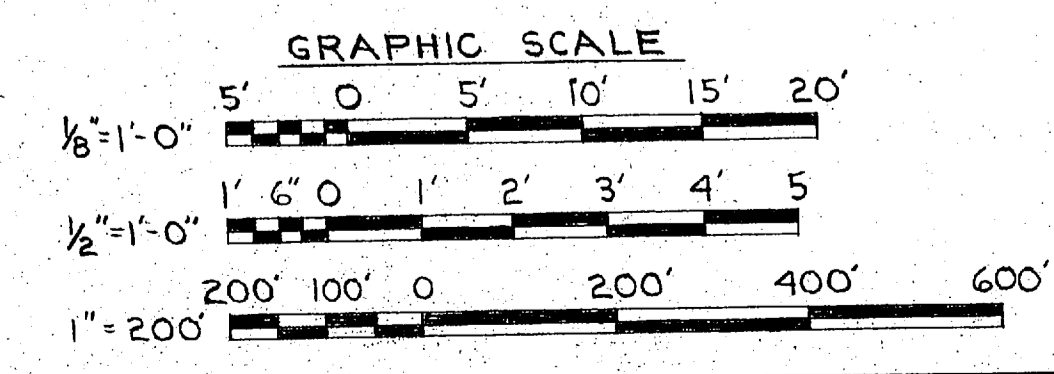
SLS-2 POWER RISER DIAGRAM
NO SCALE



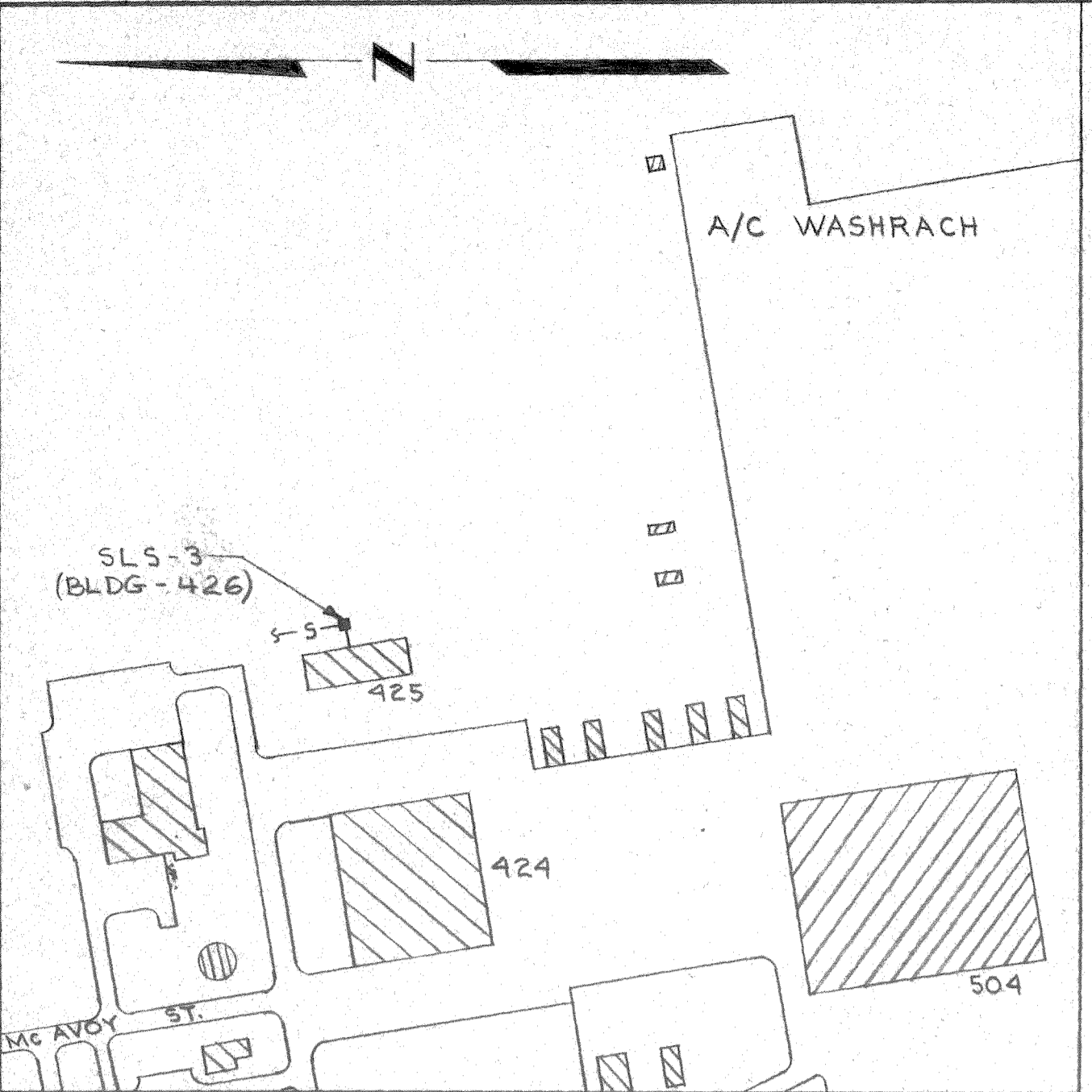
SLS-1 POWER RISER DIAGRAM
NO SCALE

NOTES

- EXISTING CONDITIONS CONSIST OF AN ABANDONED FLOAT SWITCH AND A DUAL ELEMENT FLOAT SWITCH ACTIVATING BOTH PUMPS. REMOVE BOTH FLOAT SWITCHES AND PROVIDE A NEW FLOAT SWITCH WITH ALTERNATOR. RECONNECT MOTOR CONTROLS SO THAT THE NEW SWITCH ACTIVATES BOTH MOTORS IN ALTERNATING SEQUENCE. THE ALTERNATOR SHALL BE CAPABLE OF STARTING BOTH MOTORS WHEN SEWAGE LEVELS DEMANDS IT. THIS NOTE PERTAINS TO SLS-1 ONLY.
- FOR CONTROL WIRING DETAILS, SEE NAVFAC DWG. 4020559.
- FOR DESCRIPTION OF THIS EQUIPMENT, SEE SCHEDULE ON NAVFAC DWG. NO. 4020559.

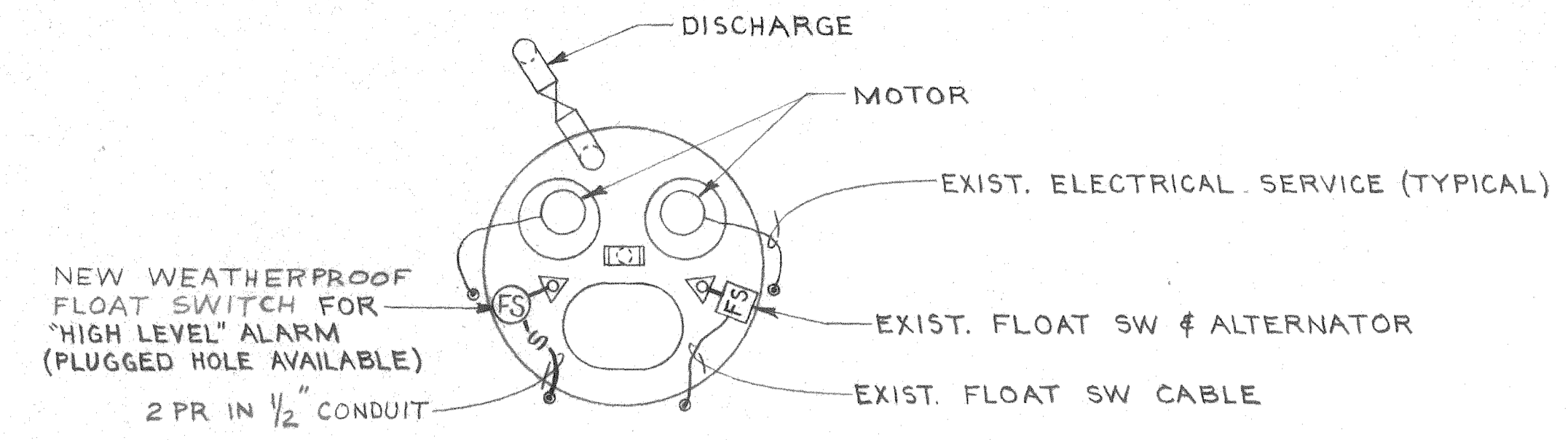


EFD DWG. NO. 120560	DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
WORK REQ. NO. 545D4298	ATLANTIC DIVISION	
DES. LARRY COLLIER	NAVAL STATION	NORFOLK, VA.
DRWN. JRP	MARINE CORPS AIR STATION NEW RIVER, N.C.	
TR.	SEWAGE SYSTEM IMPROVEMENTS	
CHK. JMW	DETAILS - LIFT STATIONS 1 & 2	
DES. SIB. [Signature]	ELECTRICAL	
SATISFACTORY TO [Signature]	DATE	
APPROVED [Signature]	DATE	
SCALE SHOWN	SPEC. 05-74-1344	SHEET 7 OF 12

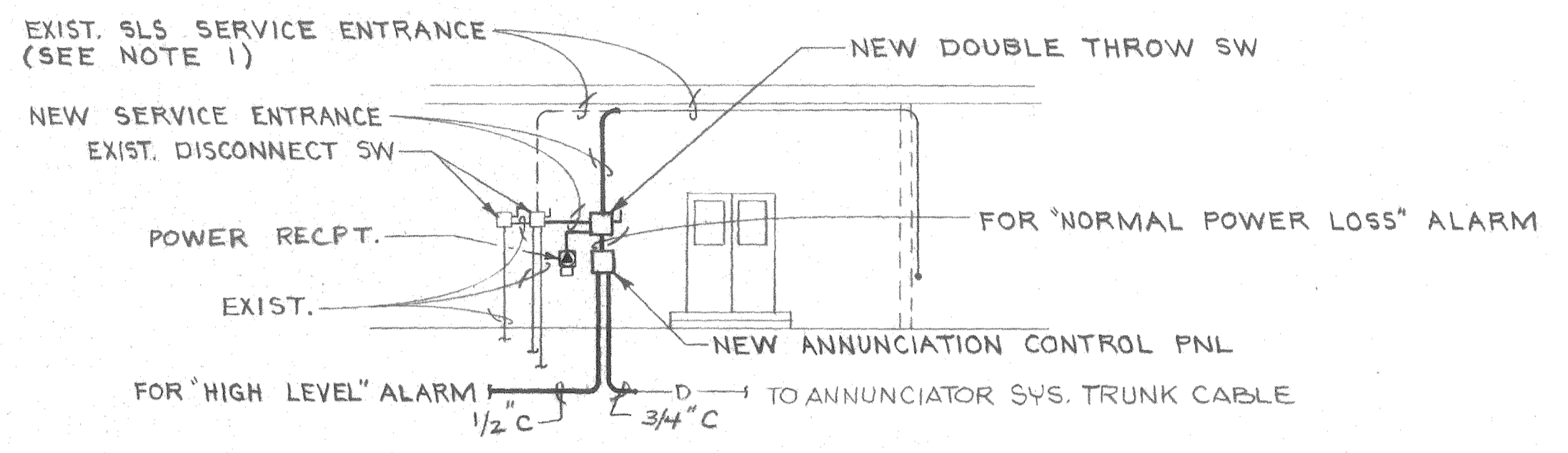


PLOT PLAN
SCALE: 1"=200'
SLS-3

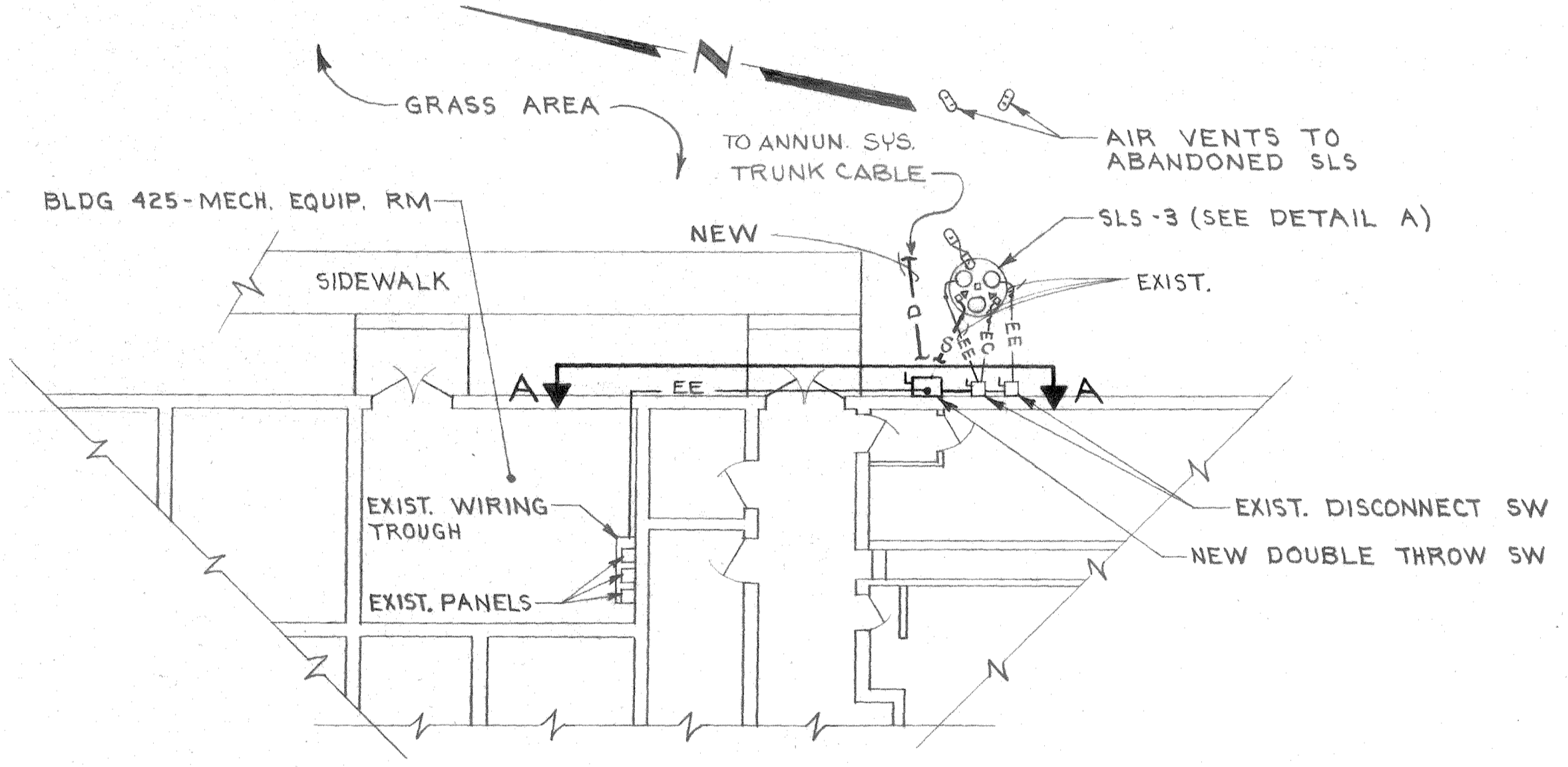
NOTE:
1. NEW SERVICE ENTRANCE CONNECTION SHALL BE MADE USING EXISTING CONDUCTORS FROM THE CONNECTION IN BLDG 425 TO CONNECTION IN NEW DOUBLE THROW SWITCH.



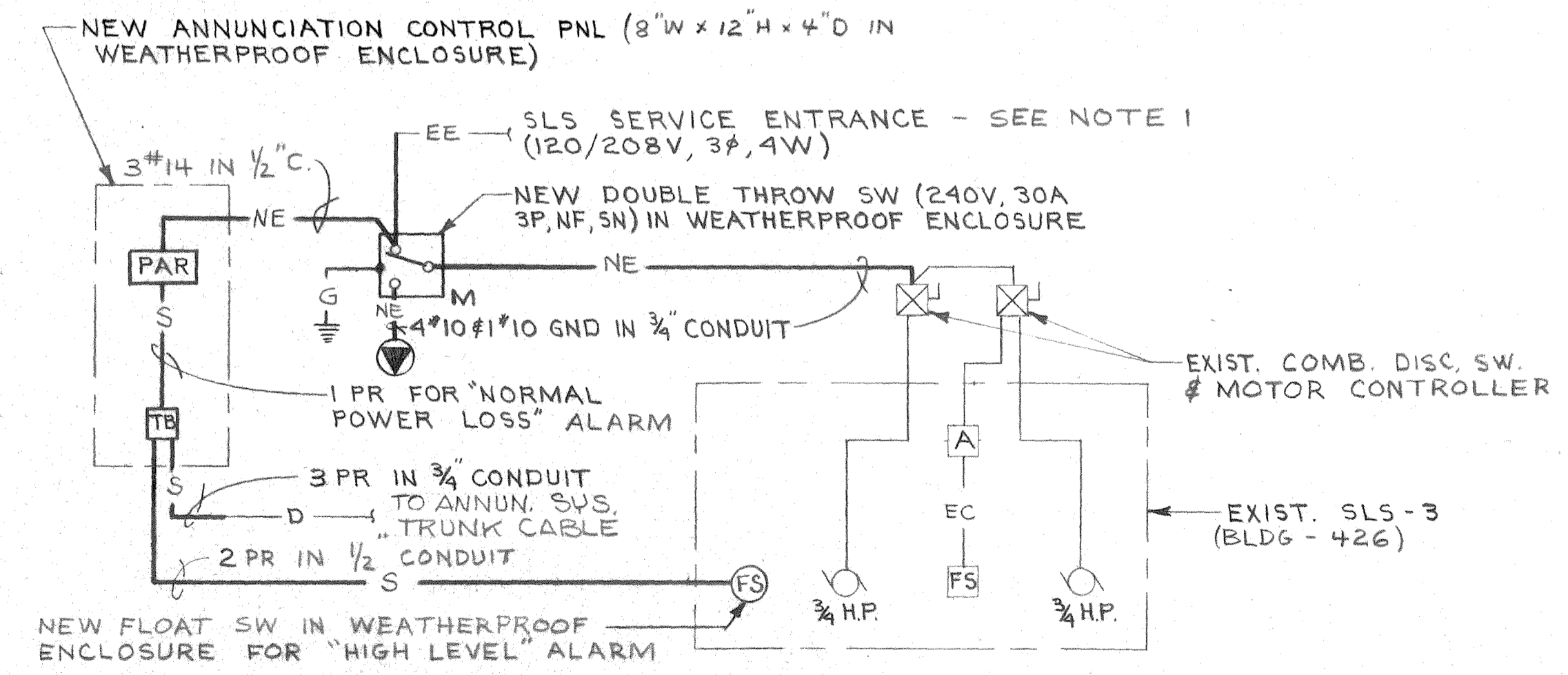
DETAIL A SLS-3
NO SCALE



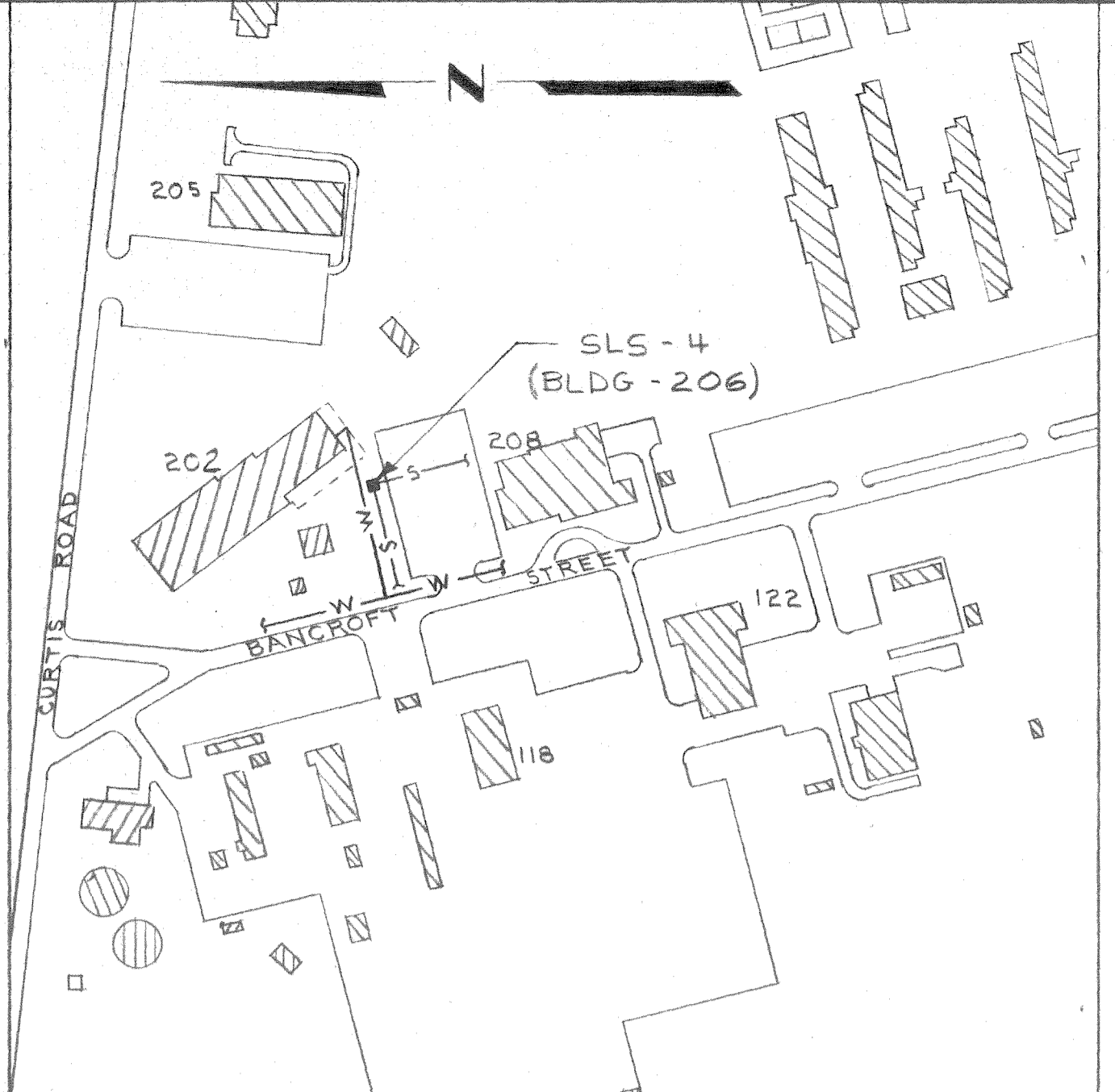
SECTION A-A NEW SERVICE ENTRANCE
NO SCALE



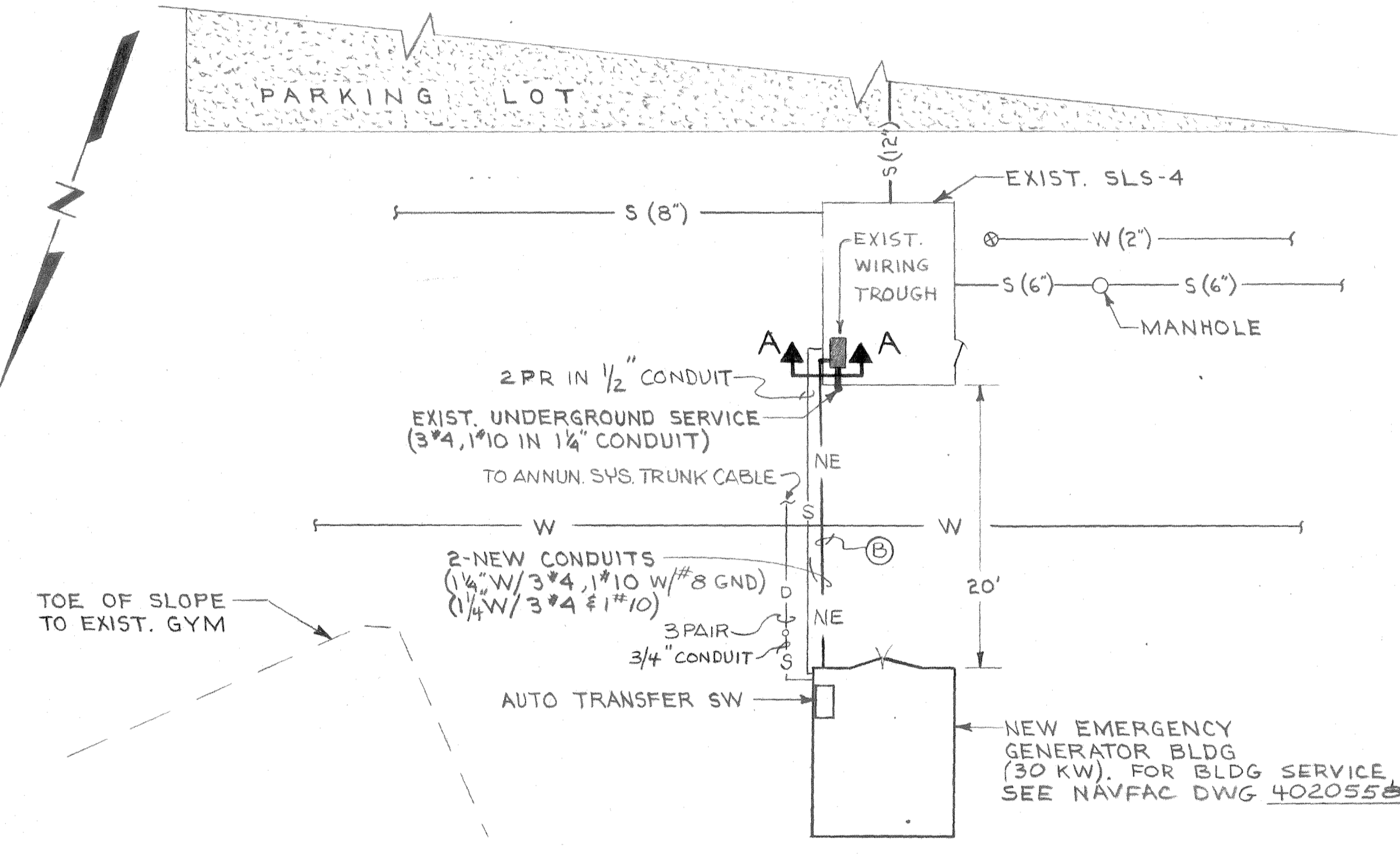
ELECTRICAL SITE PLAN
SCALE: 1/8"=1'-0"



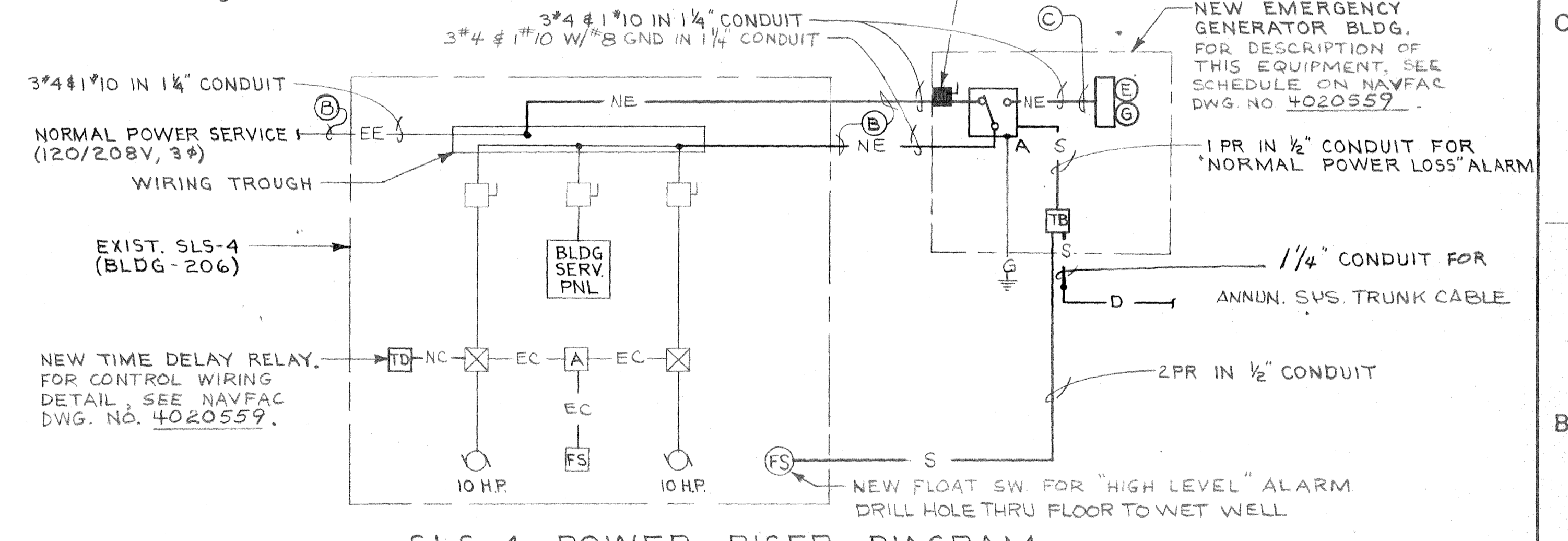
SLS-3 POWER RISER DIAGRAM
NO SCALE



PLOT PLAN
SCALE: 1"=200'
SLS-4

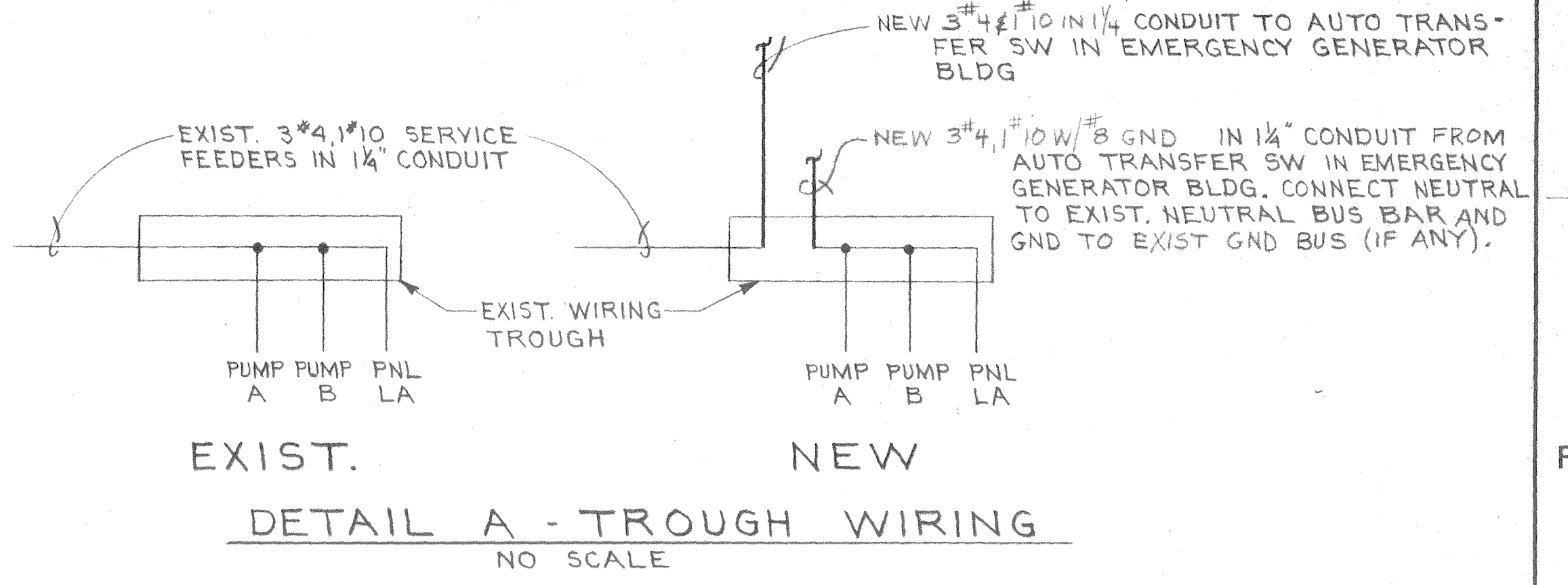


ELECTRICAL SITE PLAN
SCALE: 1/8"=1'-0"

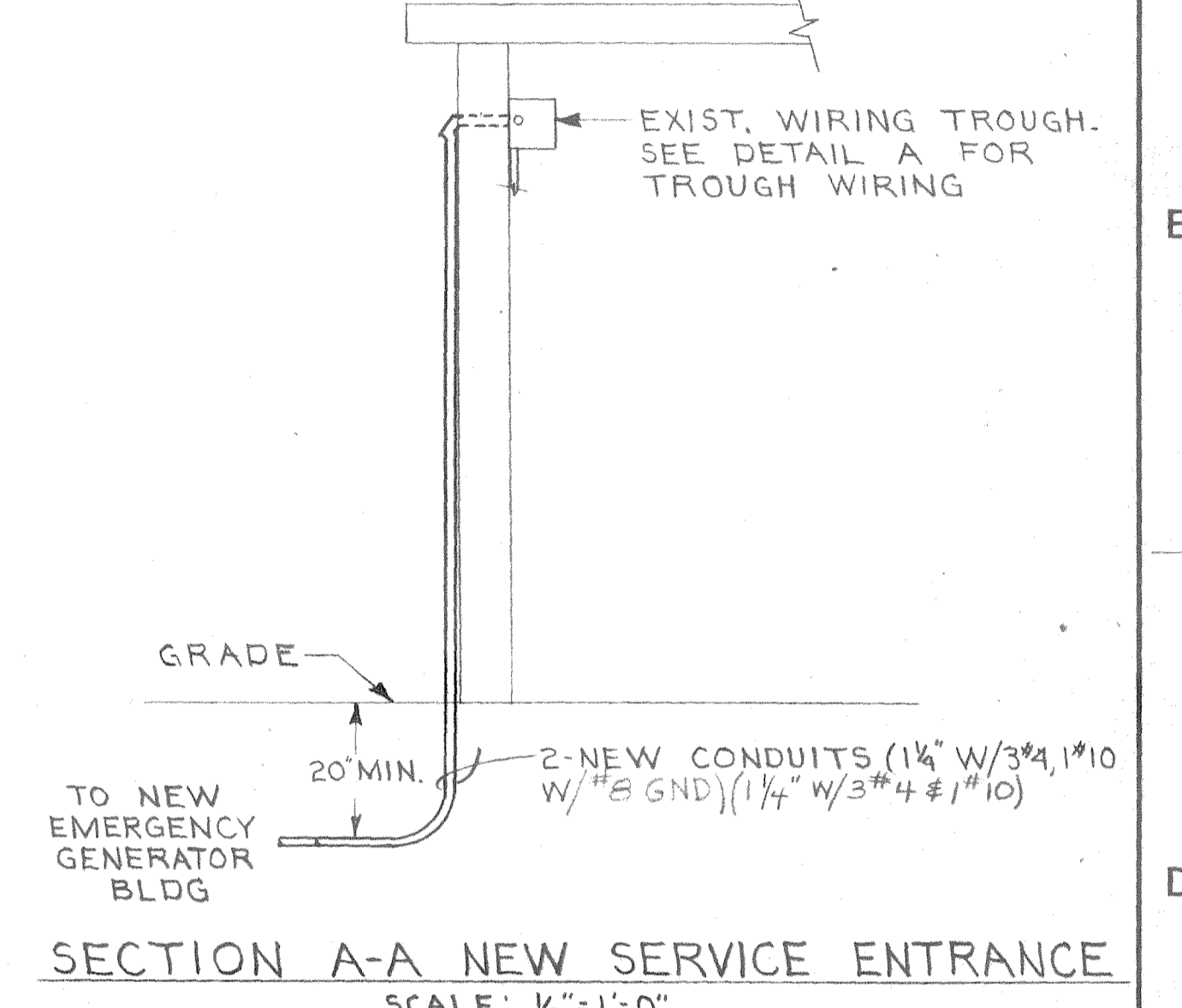


SLS-4 POWER RISER DIAGRAM
NO SCALE

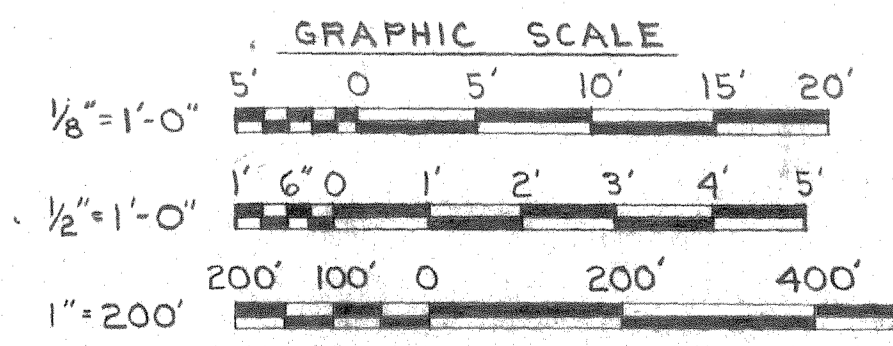
REVISIONS		
DATE	DESCRIPTION	APPROVED



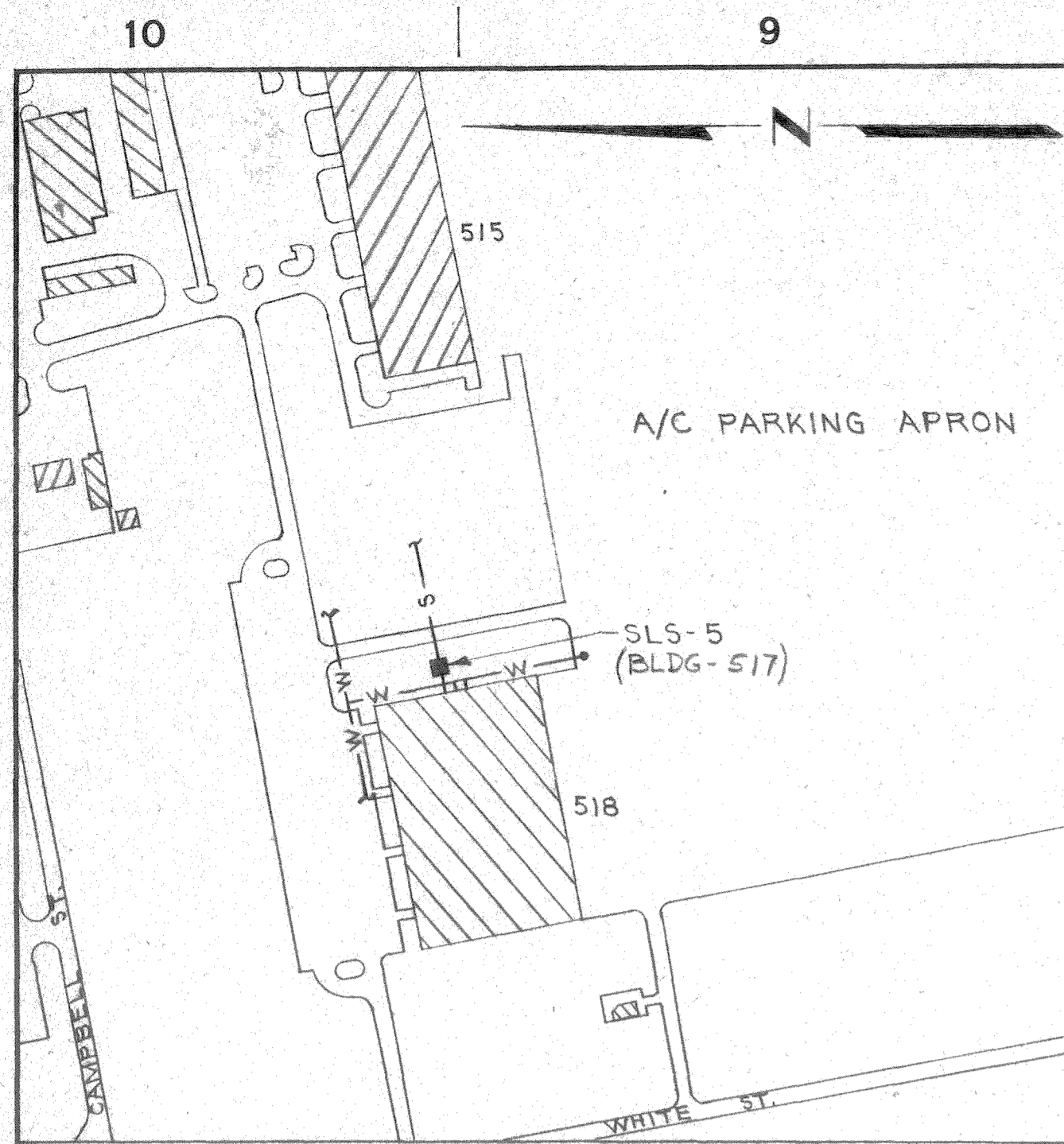
DETAIL A - TROUGH WIRING
NO SCALE



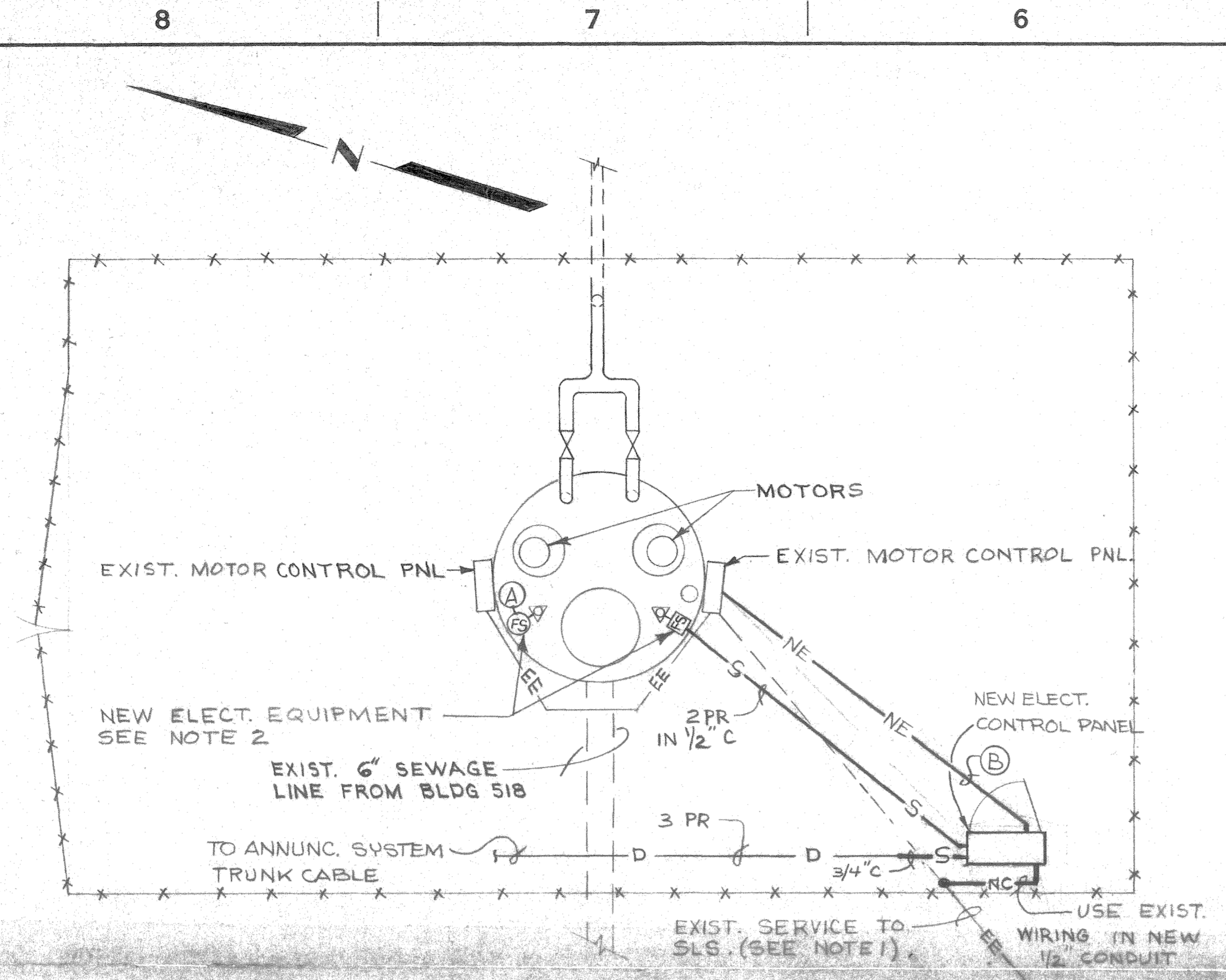
SECTION A-A NEW SERVICE ENTRANCE
SCALE: 1/2"=1'-0"



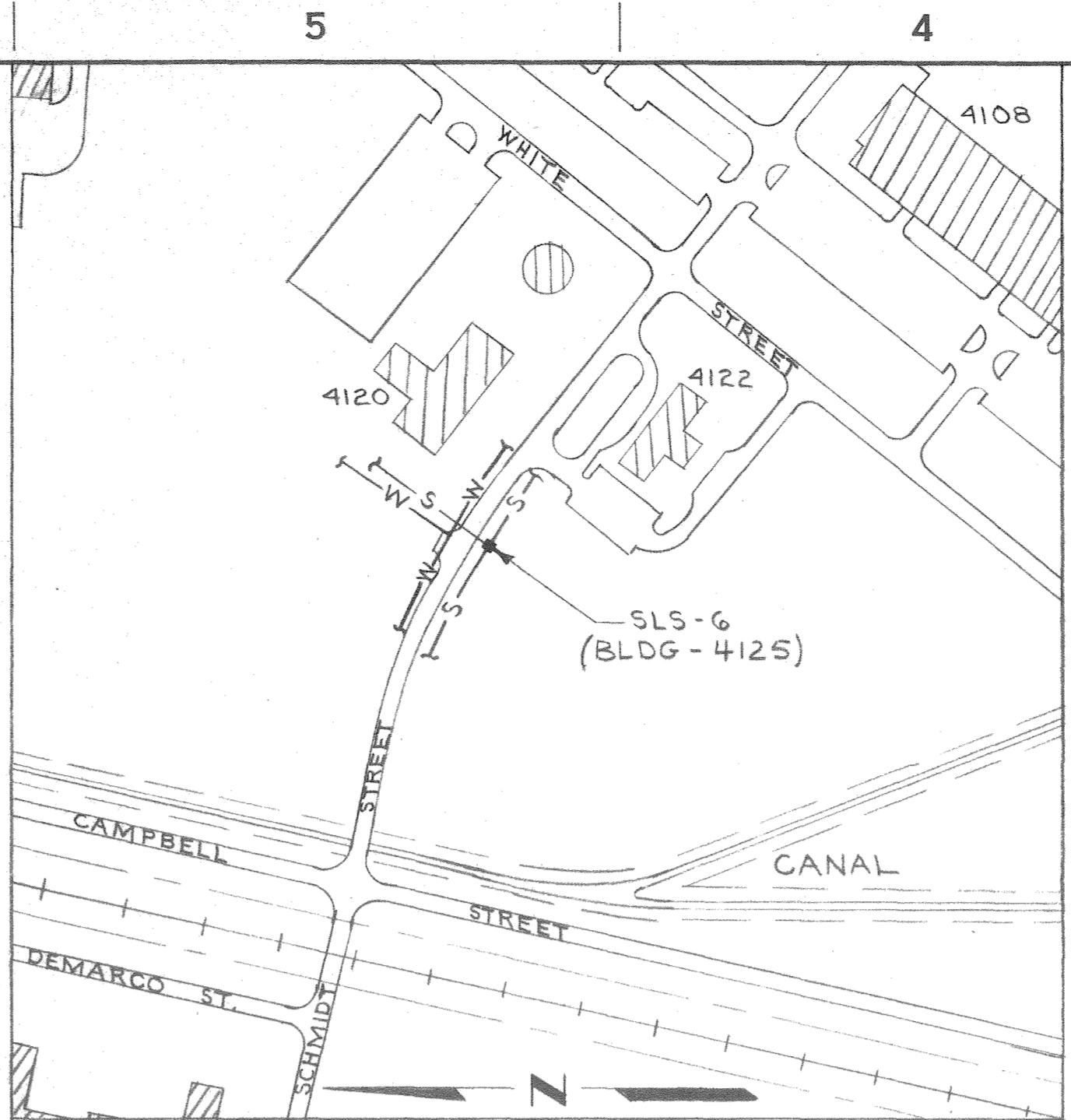
EFD DWG. NO. 120561	DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND
WORK REQ. NO. 545D4298	ATLANTIC DIVISION	
DES. LARRY COLLIER	NAVAL STATION	NORFOLK, VA.
DRWN. JRP	MARINE CORPS AIR STATION NEW RIVER N.C.	
TR.	SEWAGE SYSTEM IMPROVEMENTS	
CHK. JMW	DETAILS - LIFT STATIONS 3#4	
BR. MGR. J. J. [Signature]	ELECTRICAL	
DES. DIR. [Signature]	SIZE	CODE IDENT. NO.
SATISFACTORY TO [Signature]	F	80091
DATE	NAVY DRAWING NO.	4020561
APPROVED [Signature]	CONST. CONTR. NO.	N62470-74-B-1344
DATE	SCALE SHOWN	SPEC. 05-74-1344
FOR EFD FOR COMMANDER NAVFAC	SHEET	B OF 12



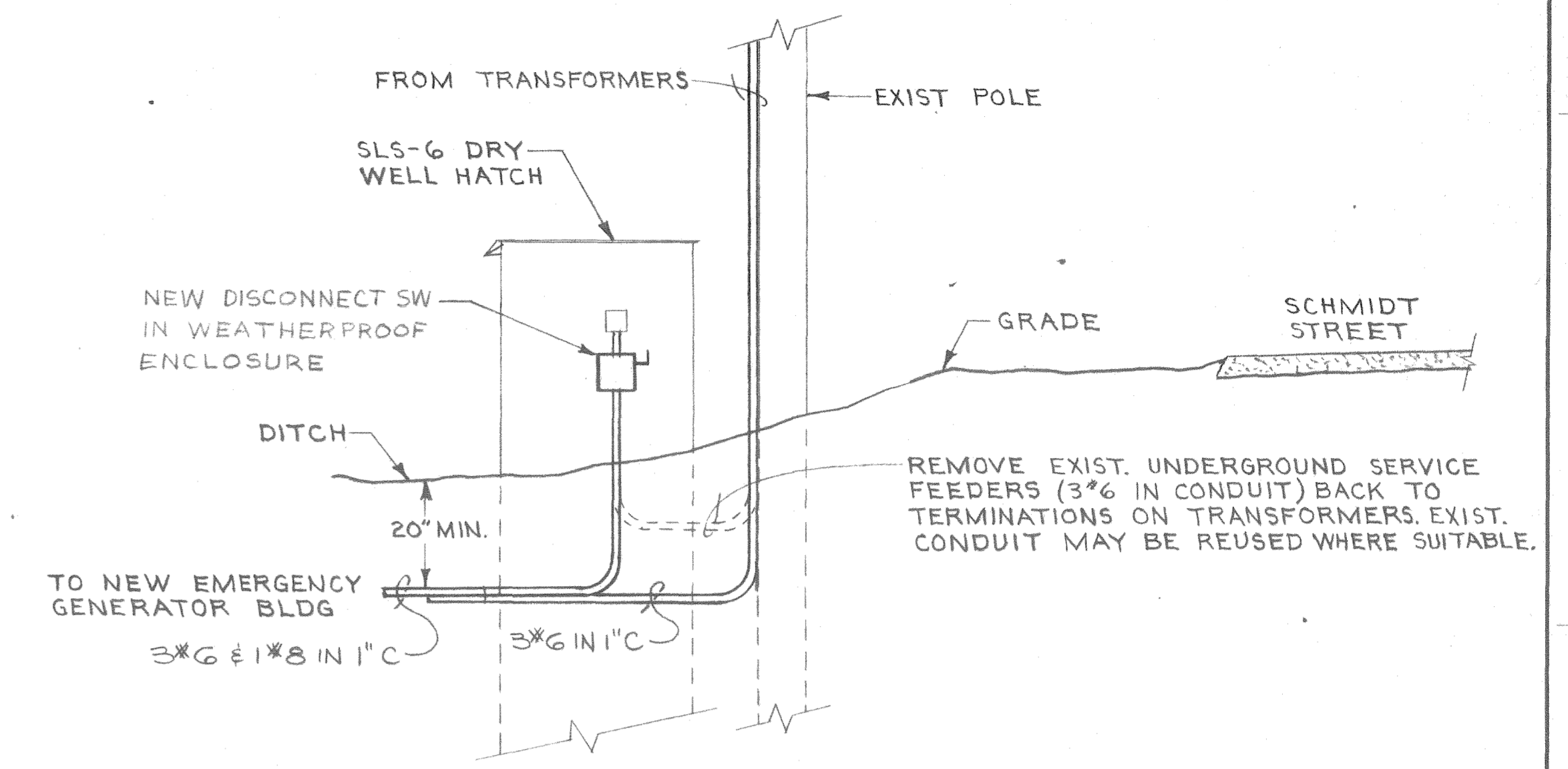
PLOT PLAN
SCALE: 1"=200'
SLS-5



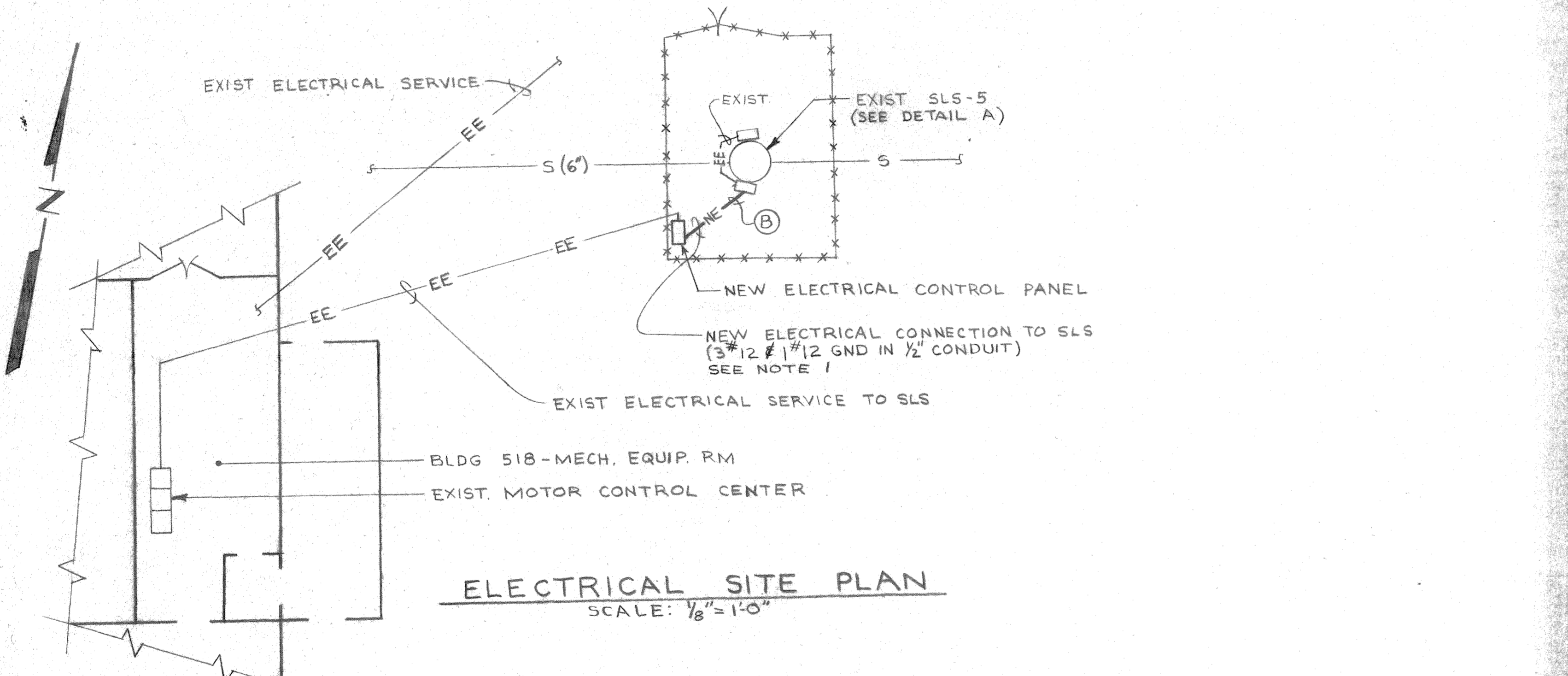
DETAIL A - NEW SERVICE
NO SCALE



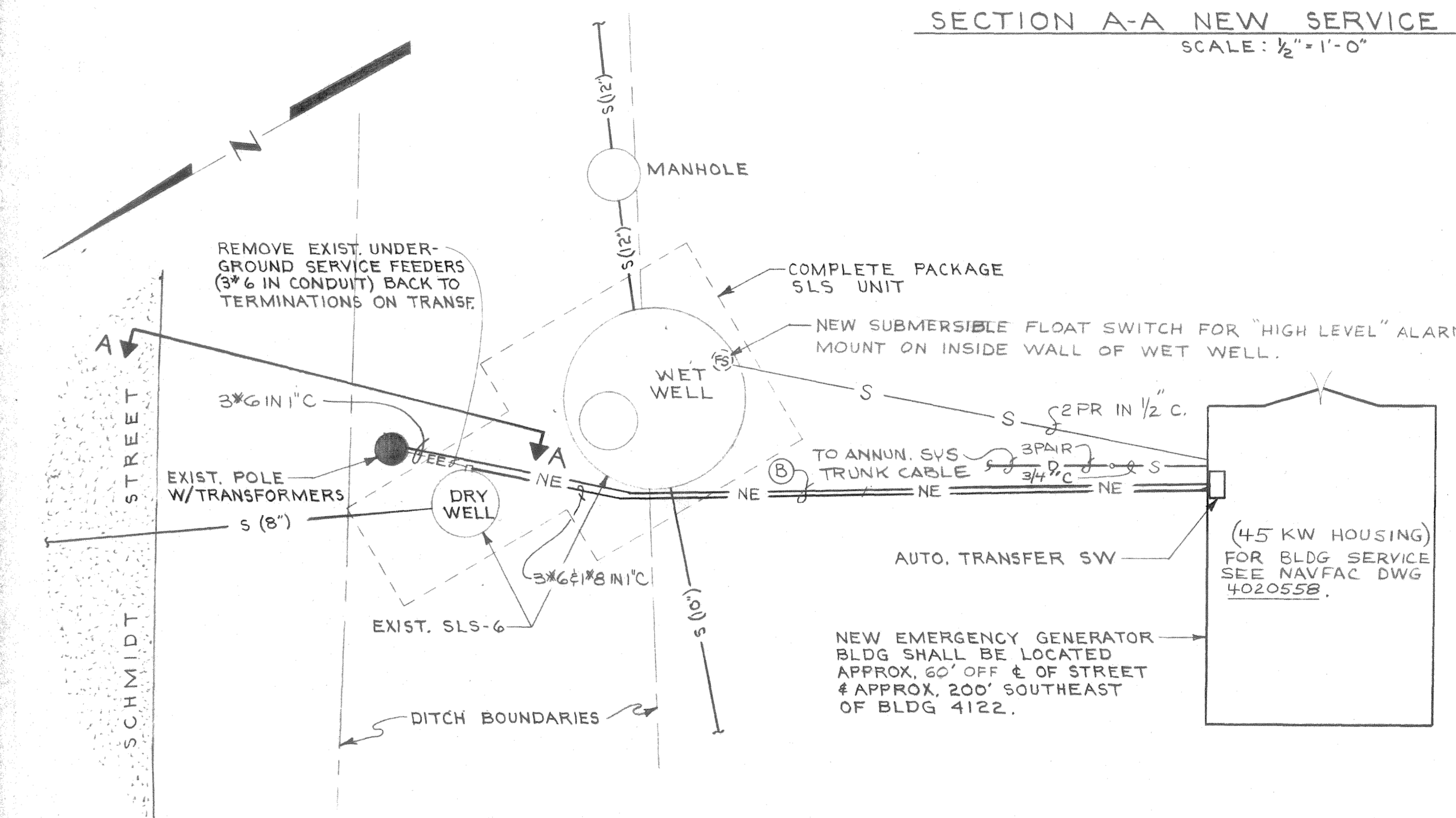
PLOT PLAN
SCALE: 1"=200'
SLS-6



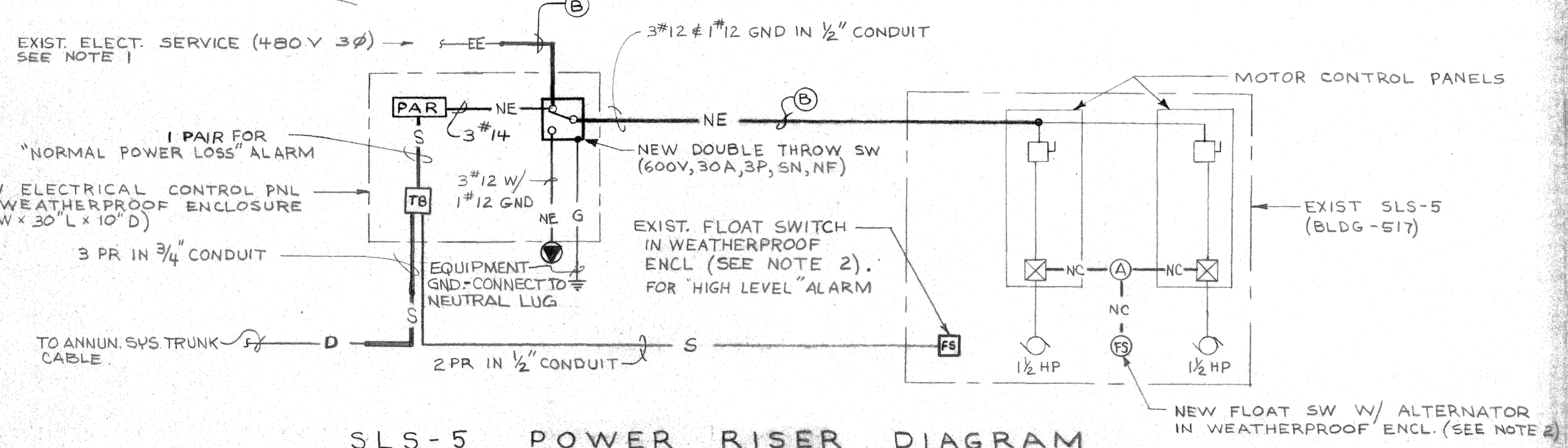
SECTION A-A NEW SERVICE ENTRANCE
SCALE: 1/2"=1'-0"



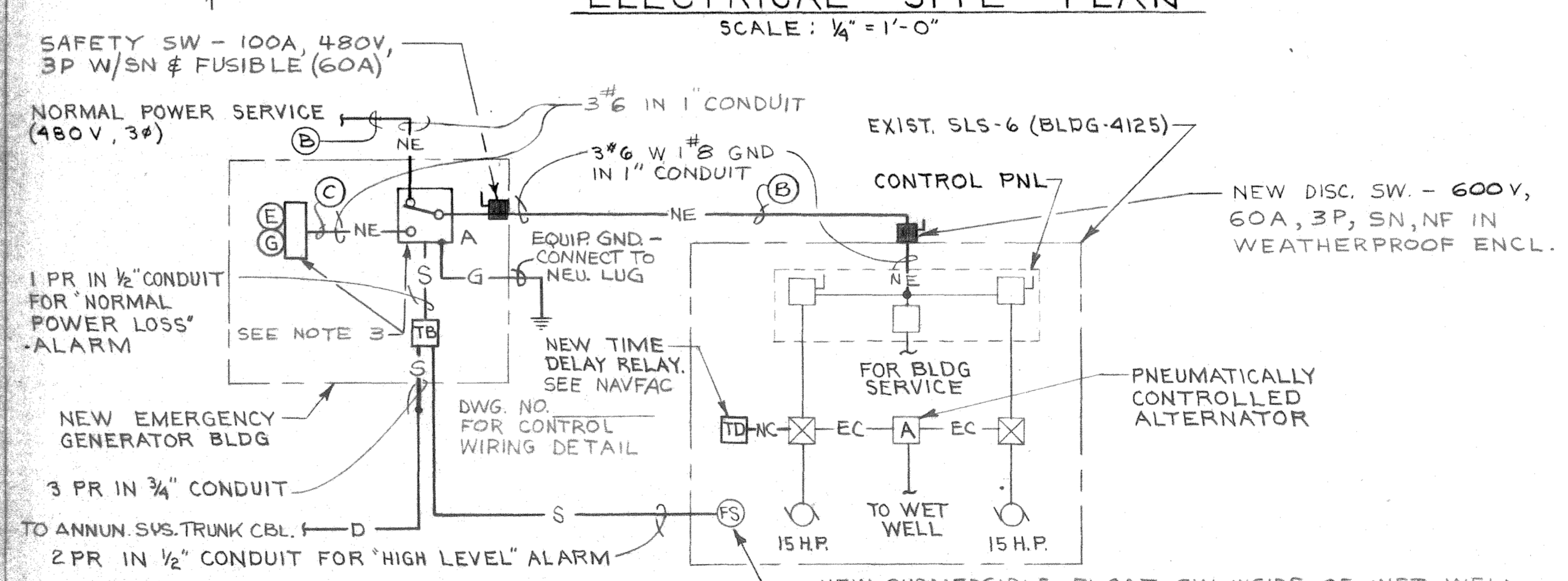
ELECTRICAL SITE PLAN
SCALE: 1/8"=1'-0"



ELECTRICAL SITE PLAN
SCALE: 1/4"=1'-0"



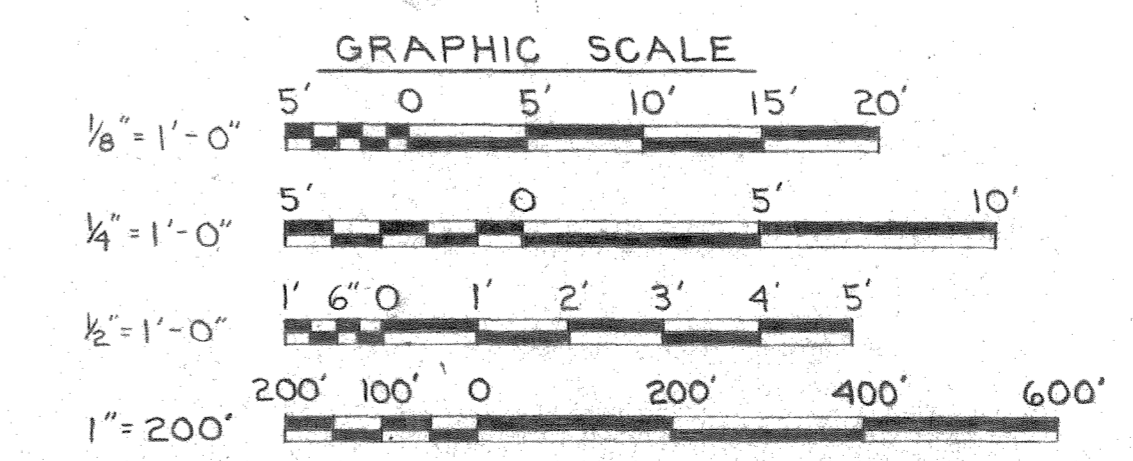
SLS-5 POWER RISER DIAGRAM
NO SCALE



SLS-6 POWER RISER DIAGRAM
NO SCALE

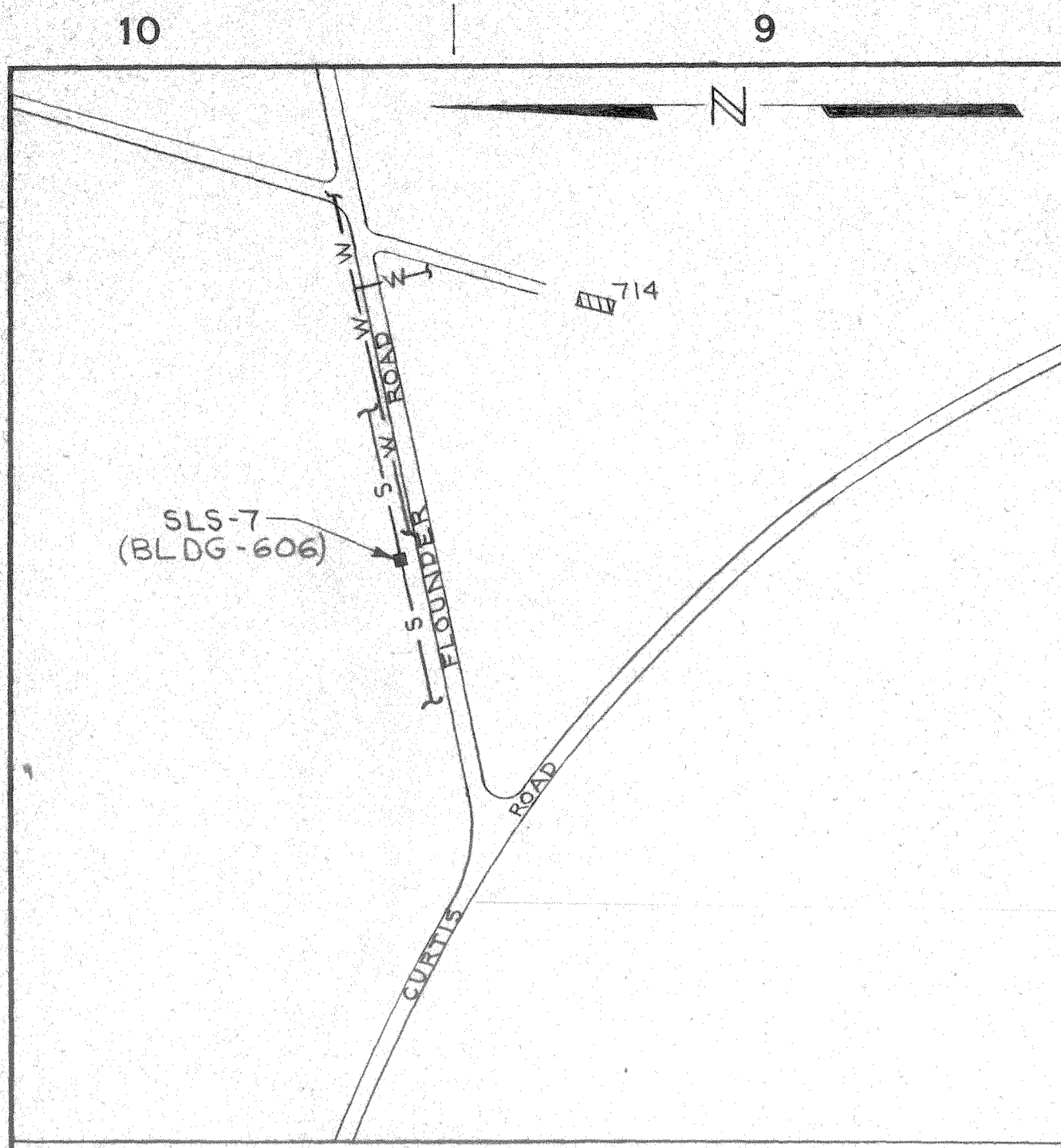
NOTES

- NEW EQUIPMENT SERVICE CONNECTION SHALL BE MADE USING EXISTING CONDUCTORS FROM THE CONNECTION IN BLDG 518 TO THE CONNECTION AT THE NEW DOUBLE THROW SWITCH. SIZE OF EXISTING CONDUIT, IF ANY, SHALL BE DETERMINED BY CONTRACTOR IN HIS FIELD SURVEY. CONDUIT SHALL BE USED FROM POINT OF INTERCEPTION TO DOUBLE THROW SWITCH.
- EXISTING CONDITIONS CONSIST OF SEPARATE MOTOR CONTROLS ACTIVATED BY SEPARATE FLOAT SWITCHES. REPLACE ONE EXISTING FLOAT SWITCH WITH A NEW FLOAT SWITCH WITH ALTERNATOR. RECONNECT MOTOR CONTROLS SO THAT NEW FLOAT SWITCH ACTIVATES BOTH MOTORS IN AN ALTERNATING SEQUENCE. THE ALTERNATOR SHALL BE CAPABLE OF STARTING BOTH MOTORS AT SPECIFIED SEWAGE LEVEL. THE OTHER FLOAT SWITCH MAY BE USED TO ACTIVATE THE "HIGH LEVEL" ALARM.
- FOR DESCRIPTION OF THIS EQUIPMENT, SEE SCHEDULE OF NAVFAC DWG NO 4020559.

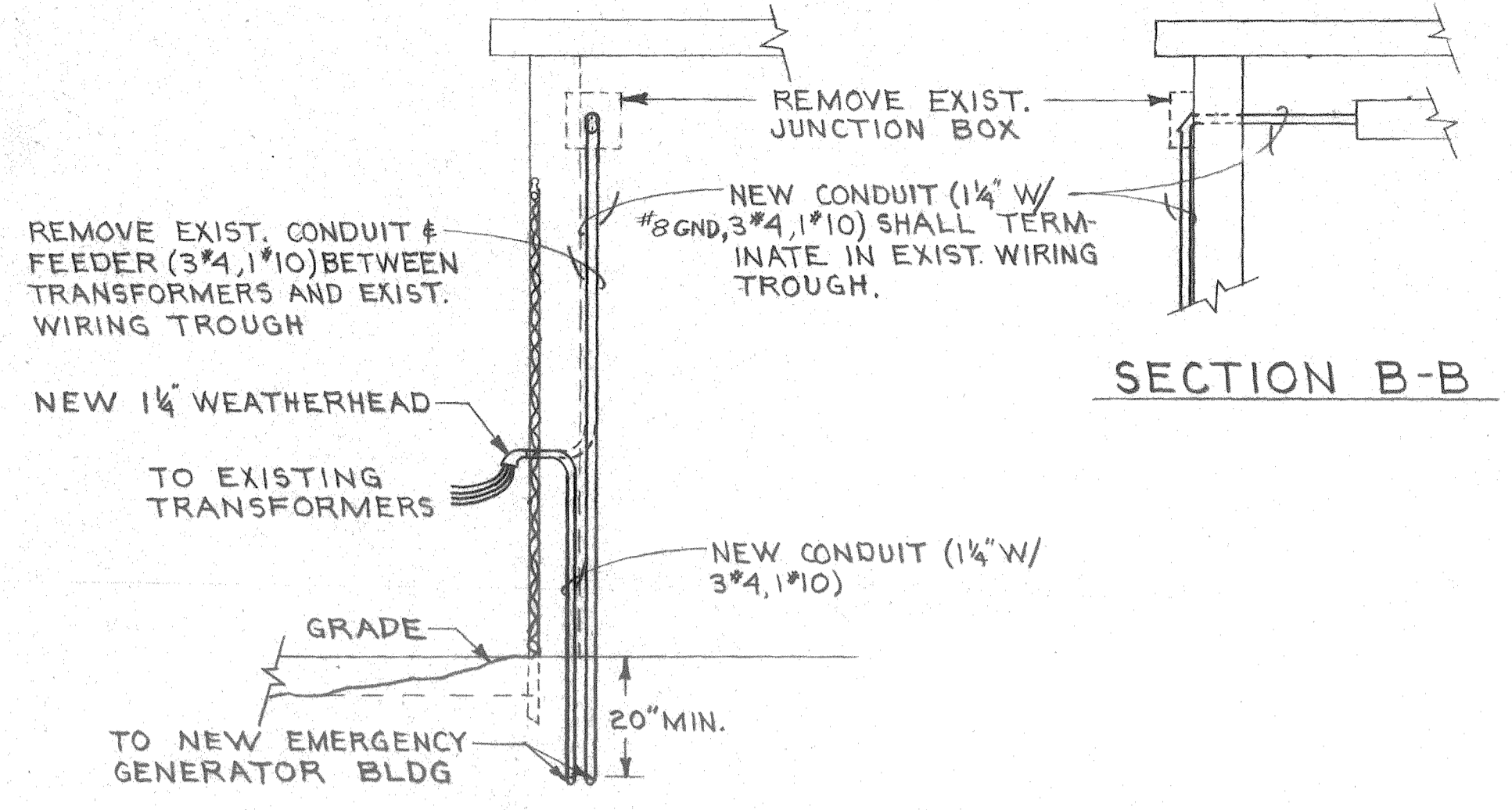


REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED

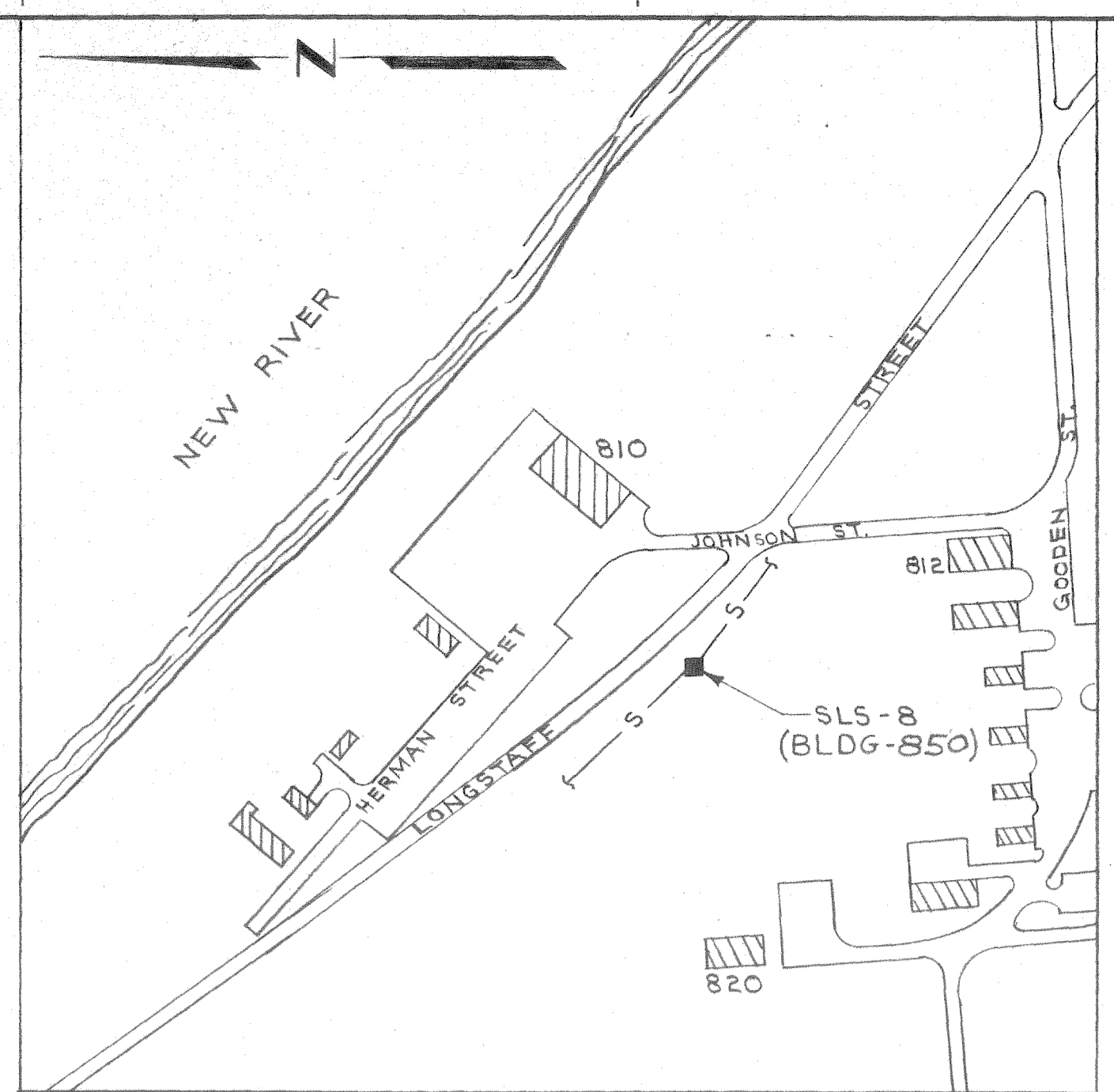
EDD DWG. NO. 120562	DEPARTMENT OF THE NAVY	NAVAL FACILITIES ENGINEERING COMMAND	
WORK REQ. NO. 545D4298	ATLANTIC DIVISION		
DES. LARRY COLLIER	NORFOLK, VA.		
DRWN. JRP	MARINE CORPS AIR STATION NEW RIVER, N.C.		
TR.	SEWAGE SYSTEM IMPROVEMENTS		
CHK. MJC	DETAILS - LIFT STATIONS 5 & 6		
BR. MGR. [Signature]	ELECTRICAL		
DES. DIR. [Signature]	SIZE	CORE IDENT. NO.	NAVFAC DRAWING NO.
SATISFACTORY TO	F	80091	4020562
DATE	APPROVED	DATE	CONSTR. CONTR. NO. NG2470-74-B-1344
	[Signature]	1 APR 1975	SCALE SHOWN SPEC. 05-74-1344 SHEET 9 OF 12



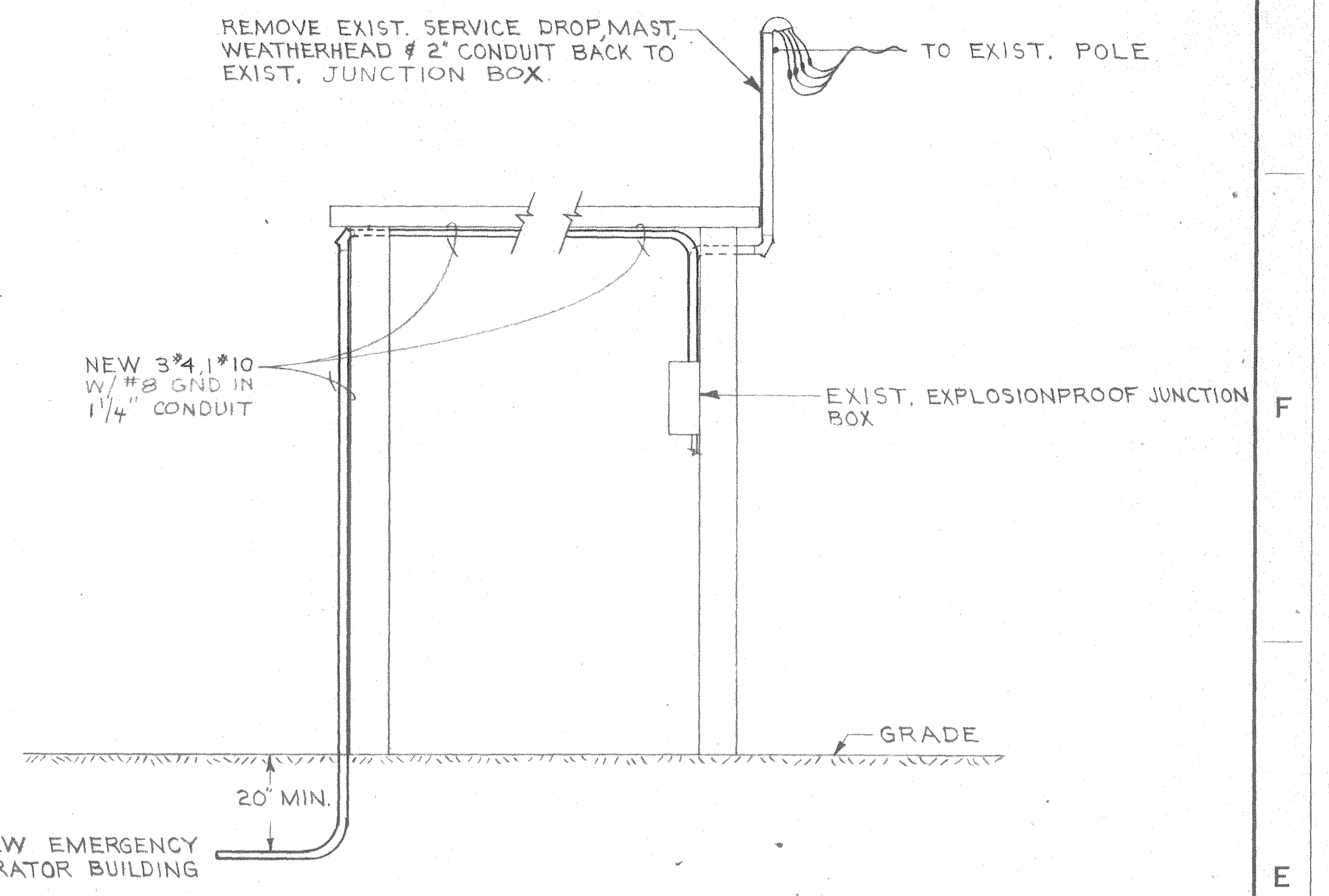
PLOT PLAN
SCALE: 1"=200'
SLS-7



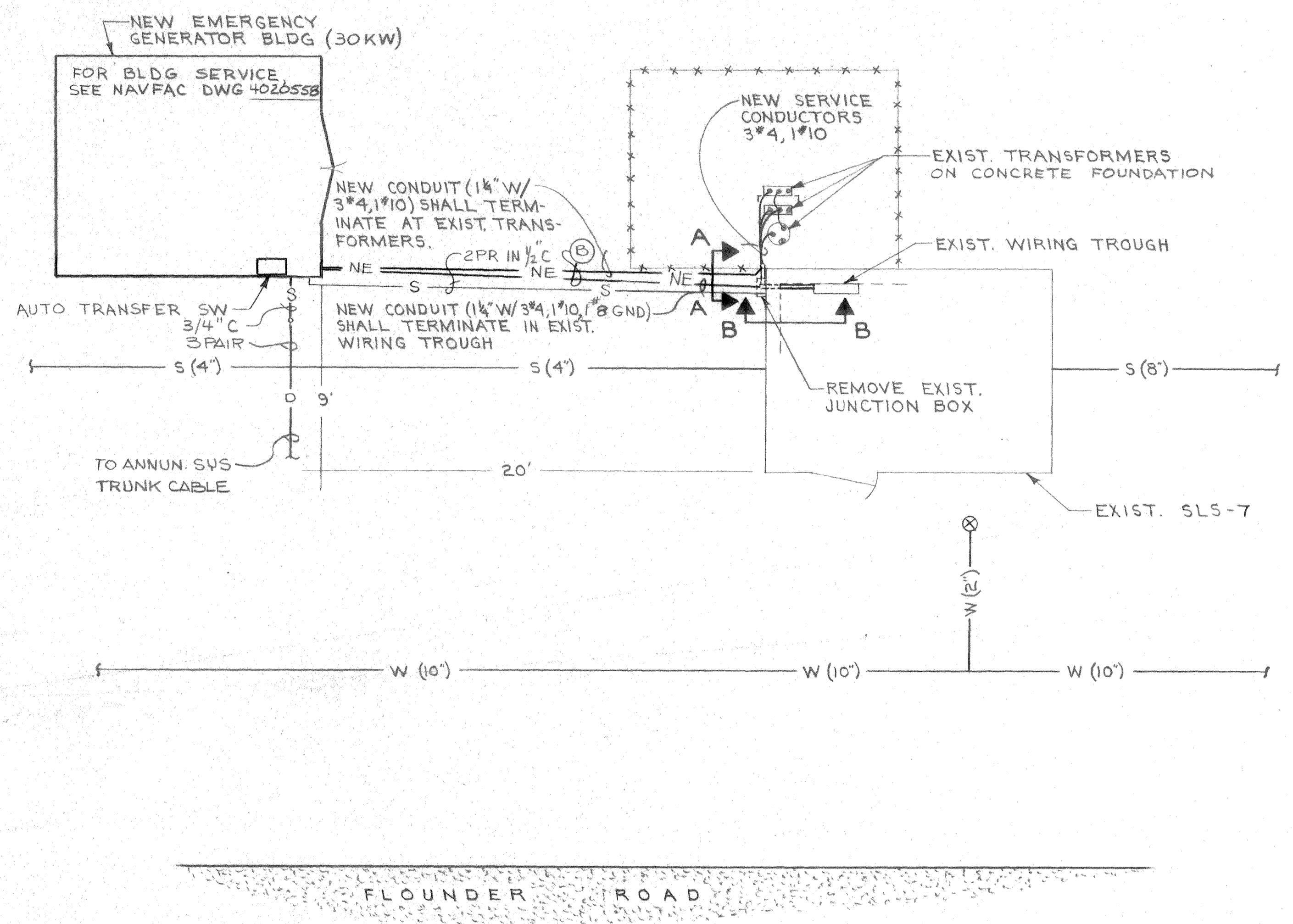
SECTION A-A
NEW SERVICE ENTRANCE
SCALE: 1/2"=1'-0"



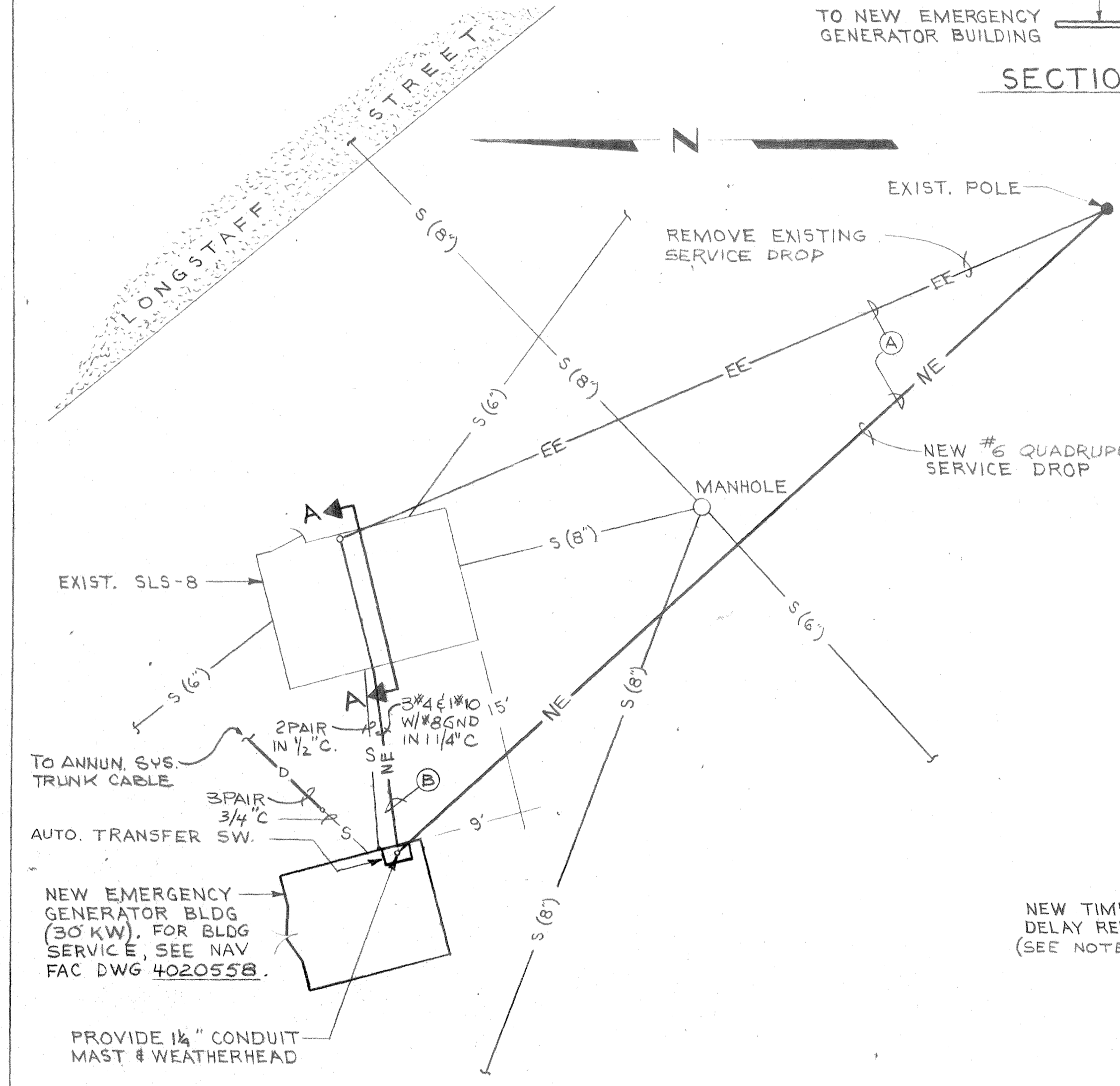
PLOT PLAN
SCALE: 1"=200'
SLS-8



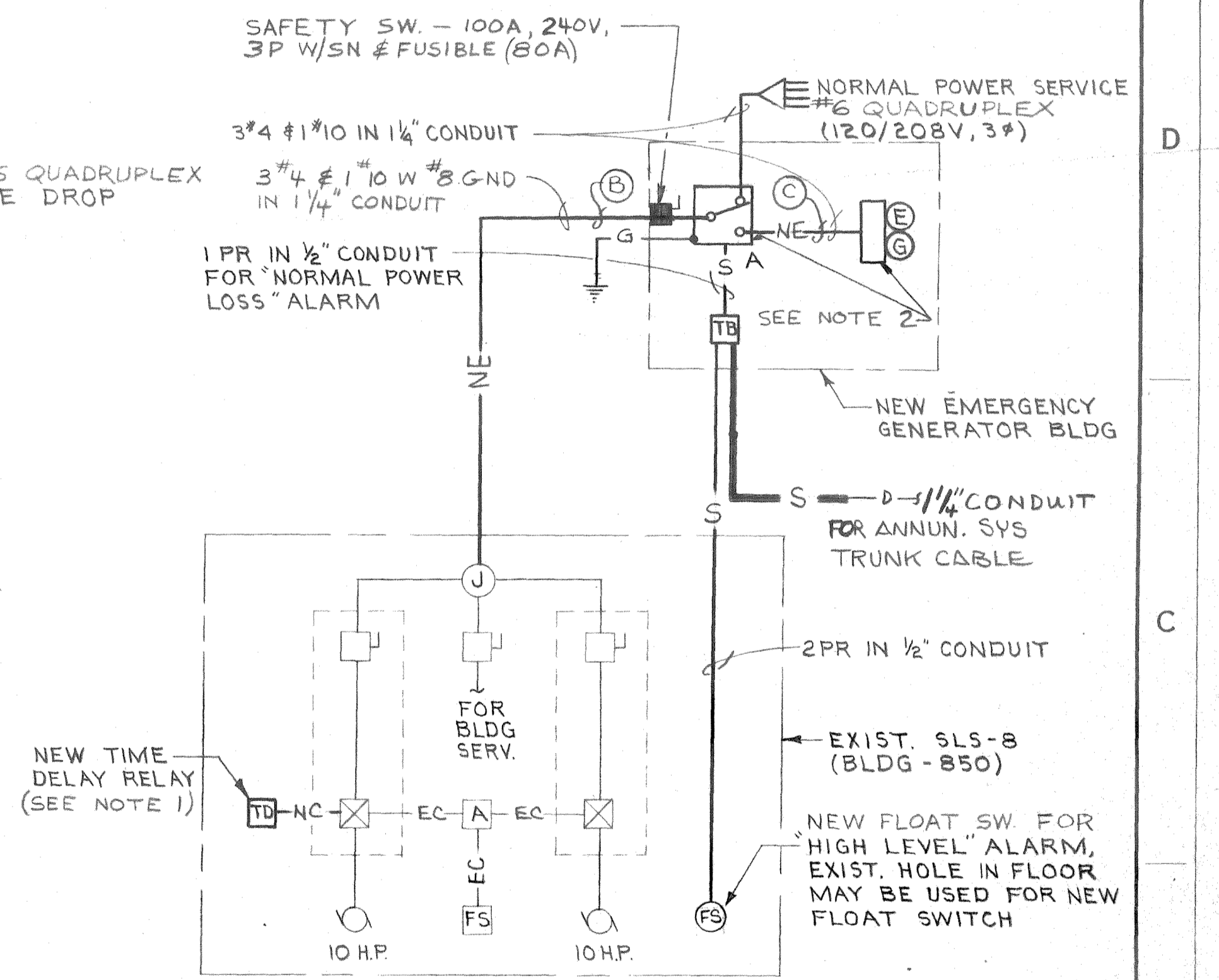
SECTION A-A - NEW SERVICE ENTRANCE
SCALE: 1/2"=1'-0"



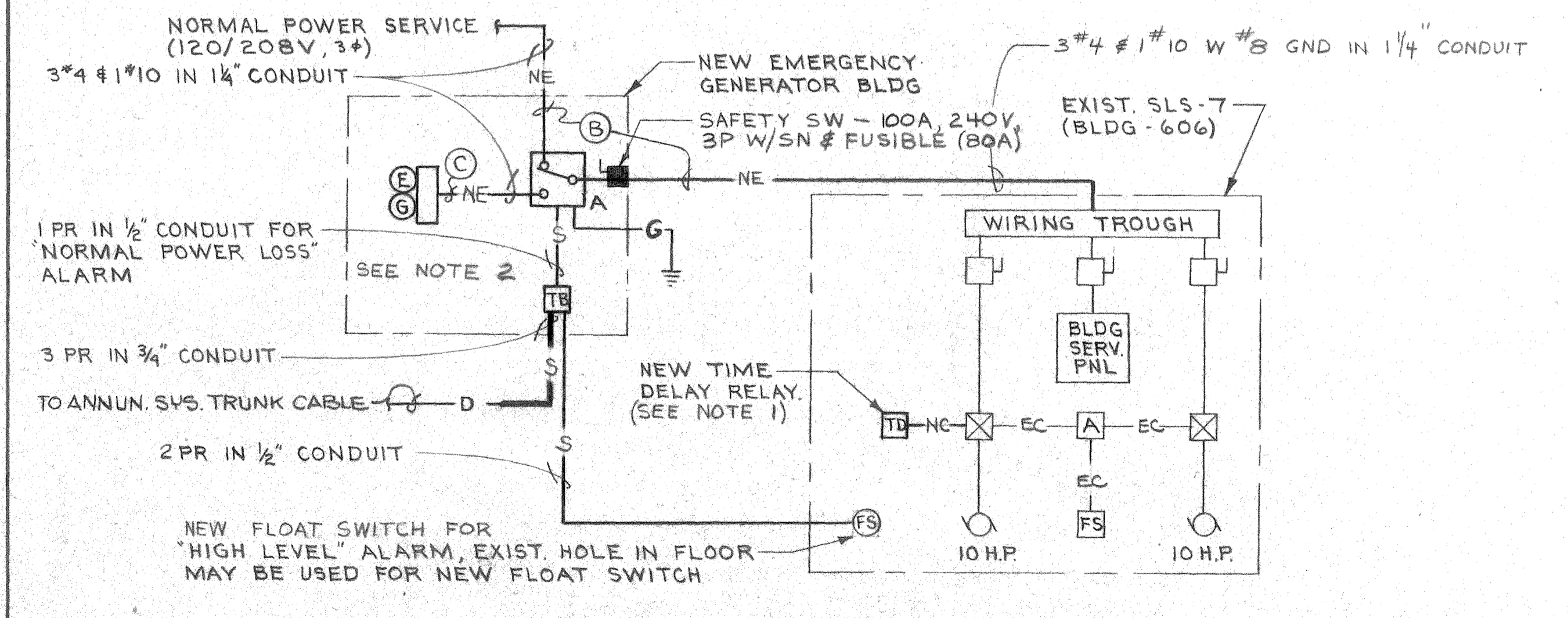
ELECTRICAL SITE PLAN
SCALE: 1/4"=1'-0"



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



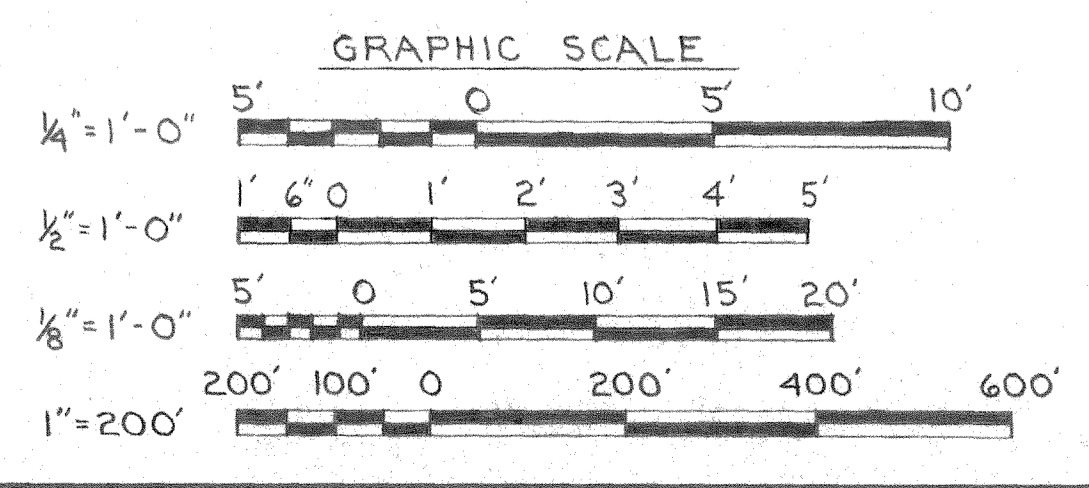
SLS-8 POWER RISER DIAGRAM
NO SCALE



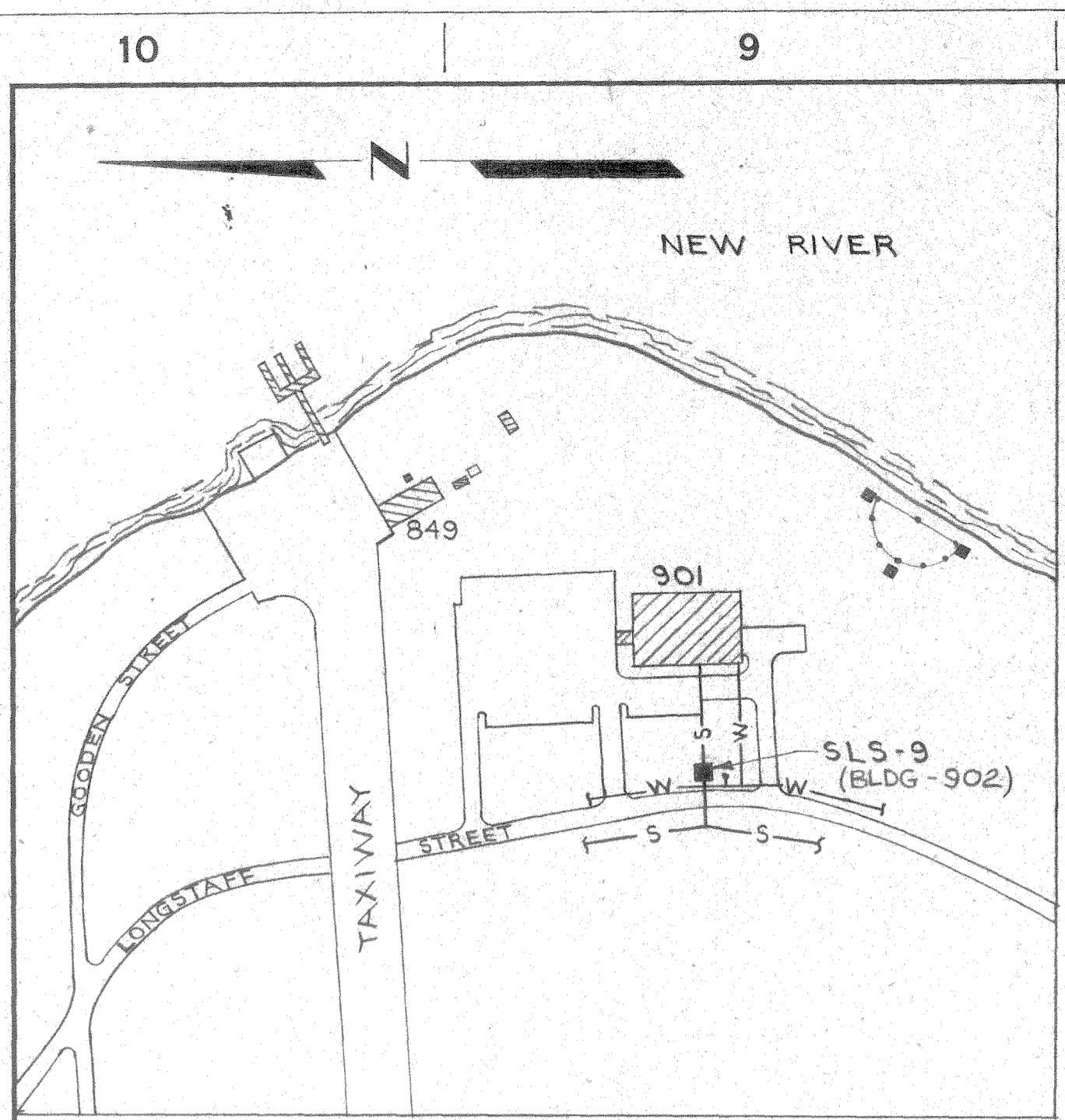
SLS-7 POWER RISER DIAGRAM
NO SCALE

NOTES

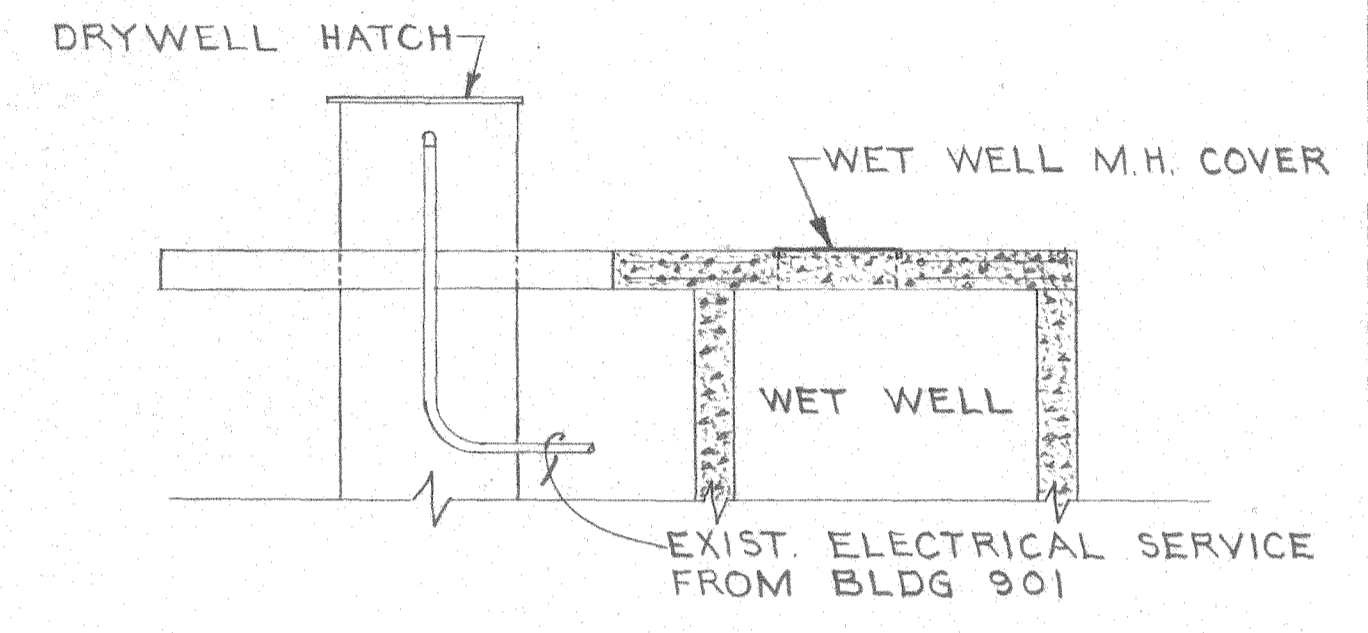
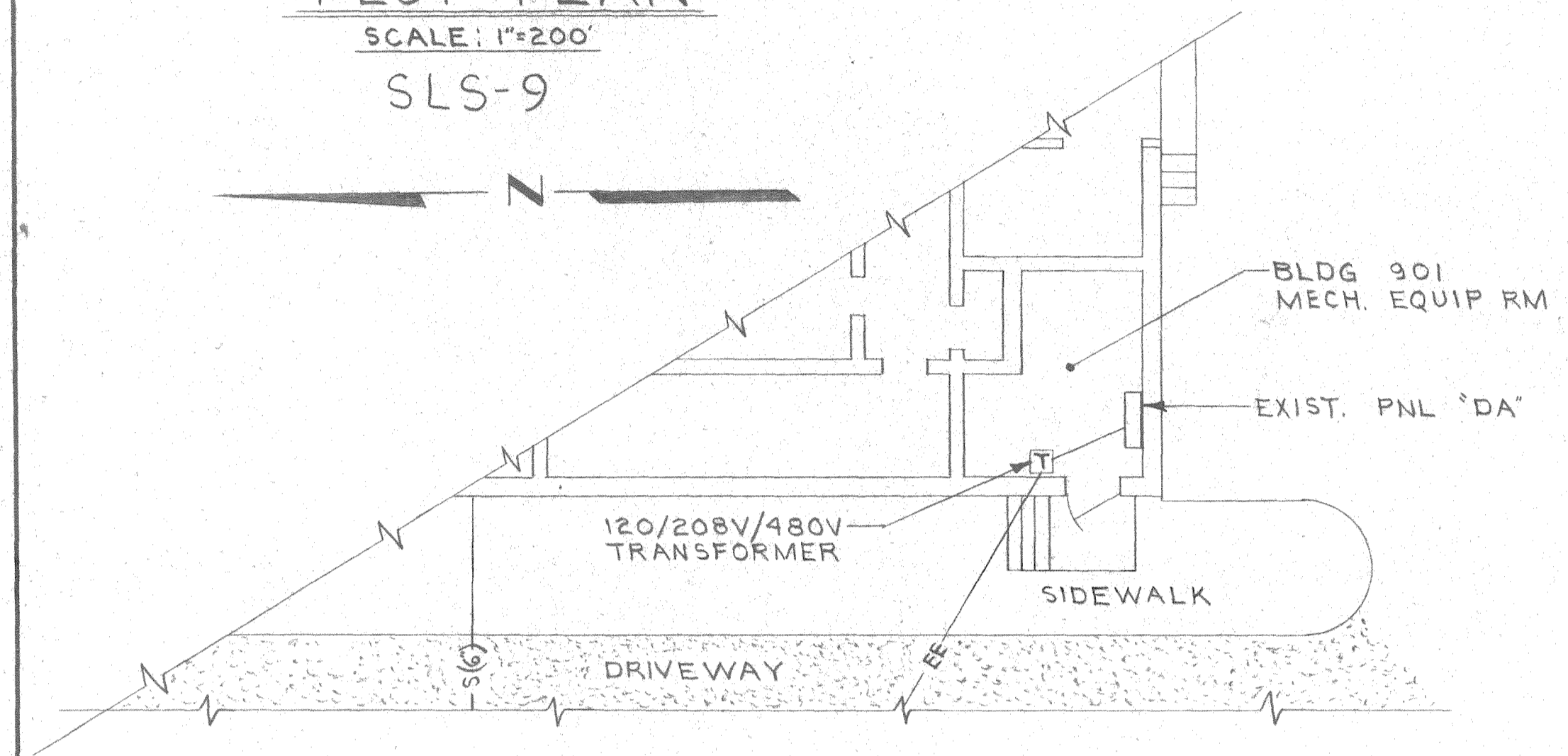
1. FOR CONTROL WIRING DETAILS, SEE NAVFAC DWG 4020559.
2. FOR DESCRIPTION OF THIS EQUIPMENT, SEE SCHEDULE ON NAVFAC DWG NO 4020559.



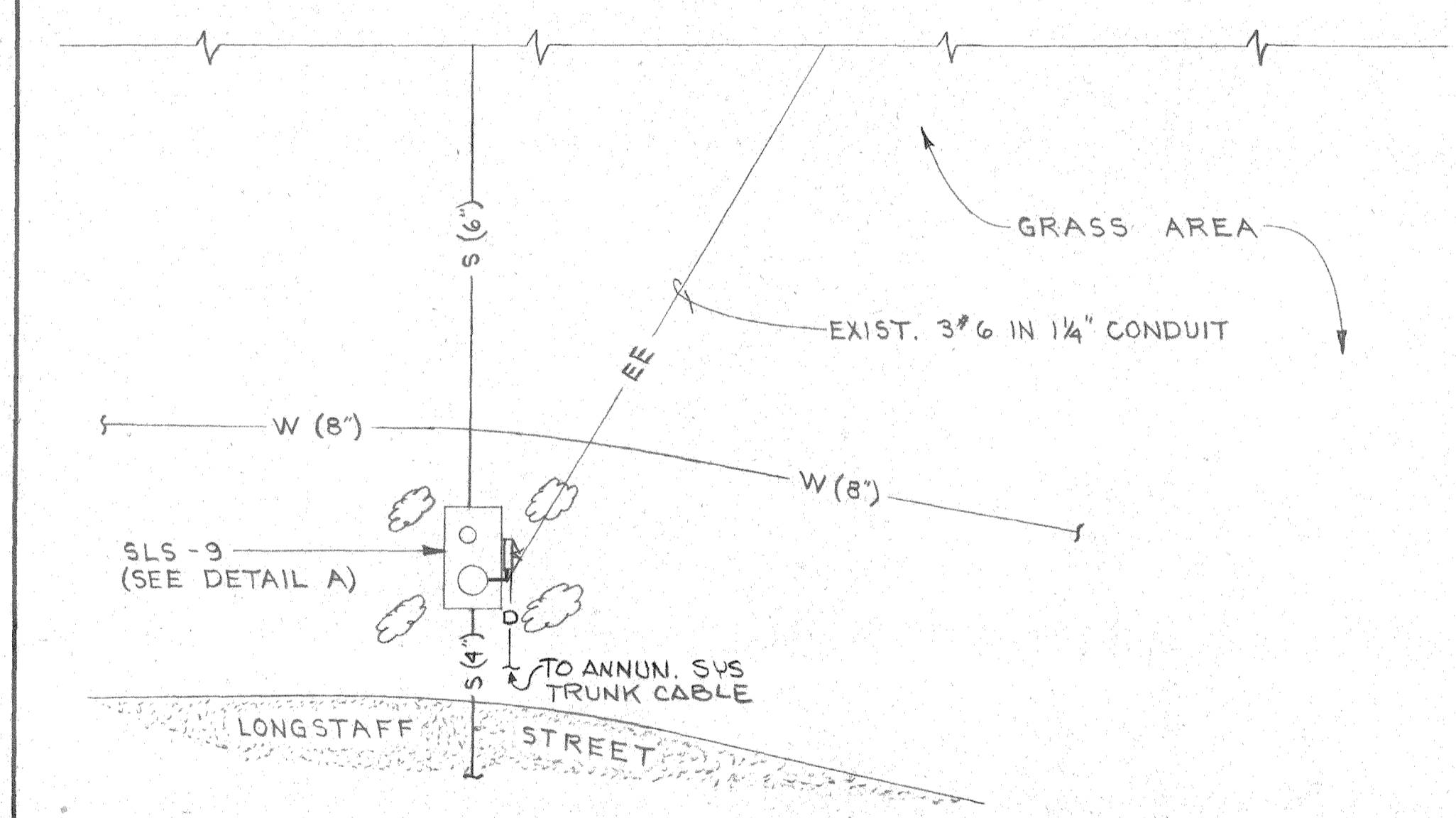
EFD DWG. NO. 120563		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
WORK REQ. NO. 545D4298		ATLANTIC DIVISION	
DES. LARRY COLLIER		NORFOLK, VA.	
DRWN. JRP		NAVAL STATION	
CHK. JMG		MARINE CORPS AIR STATION NEW RIVER, N.C.	
BR. HGR. [Signature]		SEWAGE SYSTEM IMPROVEMENTS	
DES. DWG. [Signature]		DETAILS - LIFT STATIONS 7#8	
SATISFACTORY TO [Signature]		ELECTRICAL	
APPROVED [Signature]	DATE	SIZE	CODE IDENT. NO.
		F	80091
			NAVFAC DRAWING NO. 4020563
			CONSTR. CONTR. NO. N62470-74-B-1344
		SCALE SHOWN	SPEC. 05-74-1344
			SHEET 10 OF 12



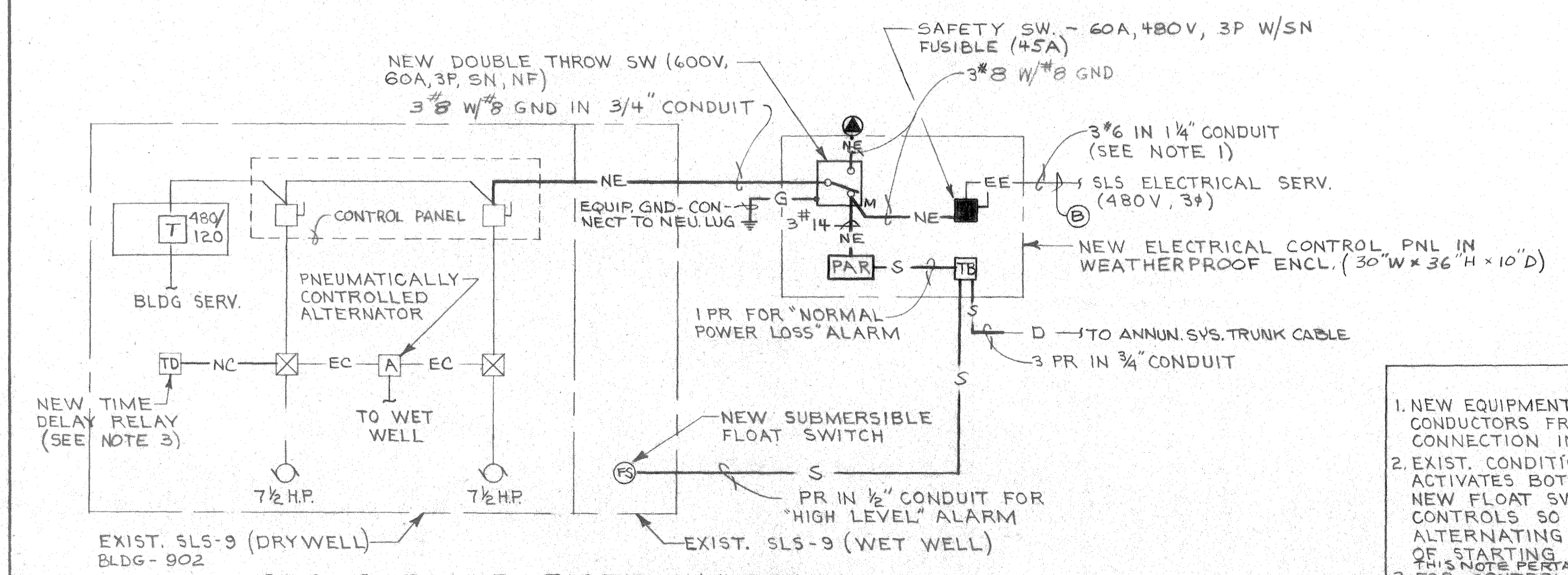
PLOT PLAN
SCALE: 1"=200'
SLS-9



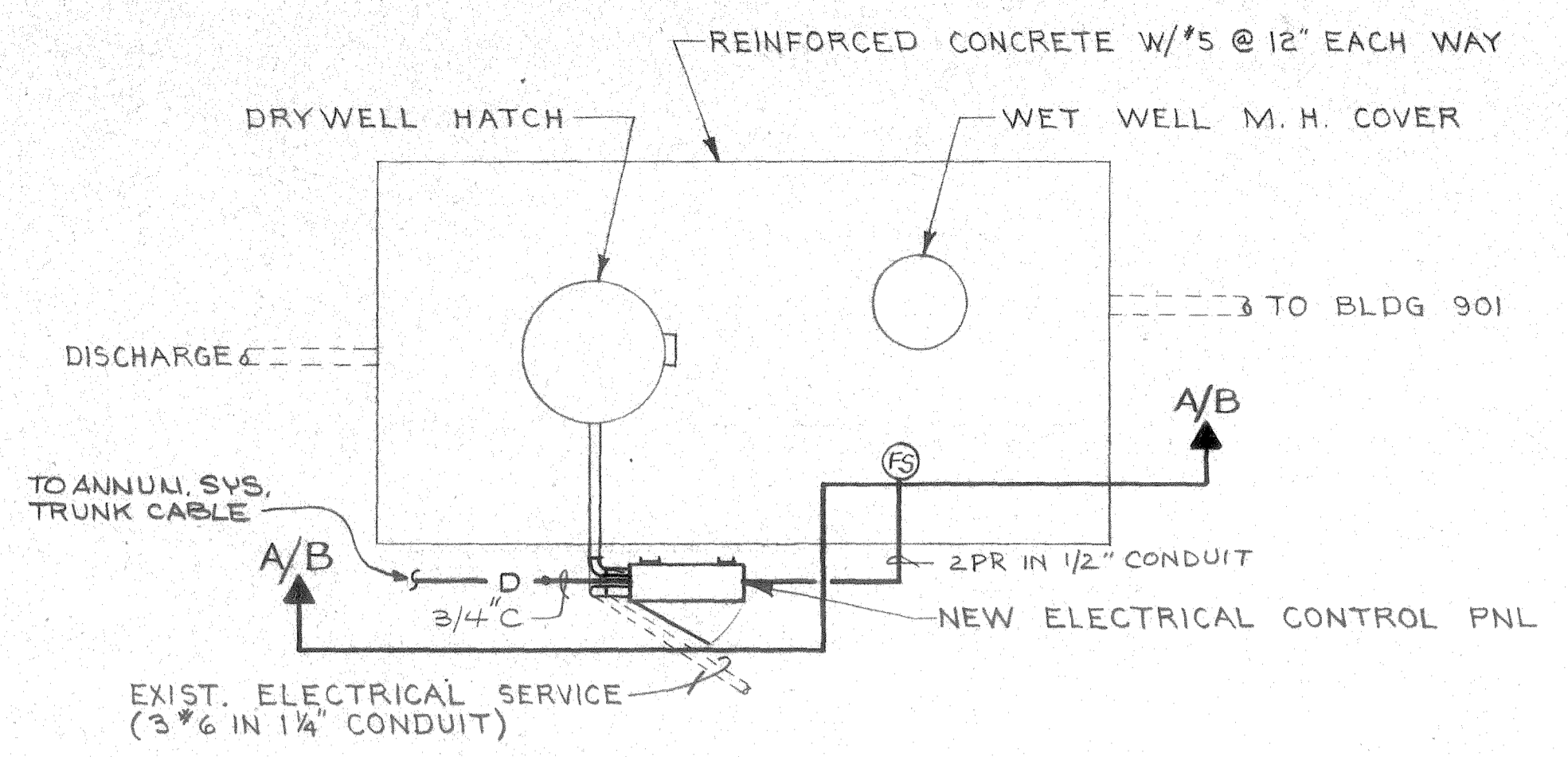
SECTION A-A EXIST. SERVICE ENTRANCE
NO SCALE



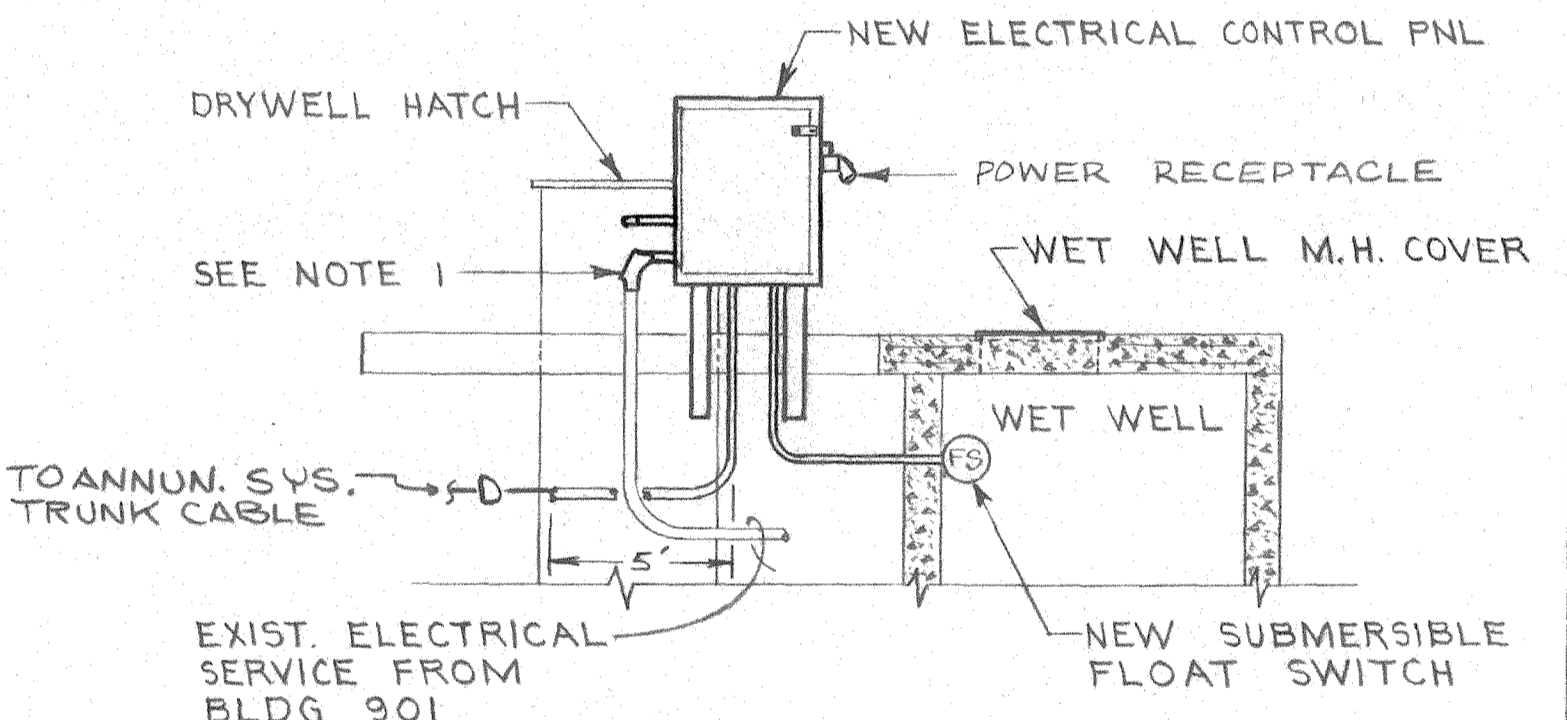
ELECTRICAL SITE PLAN
SCALE: 1/8"=1'-0"



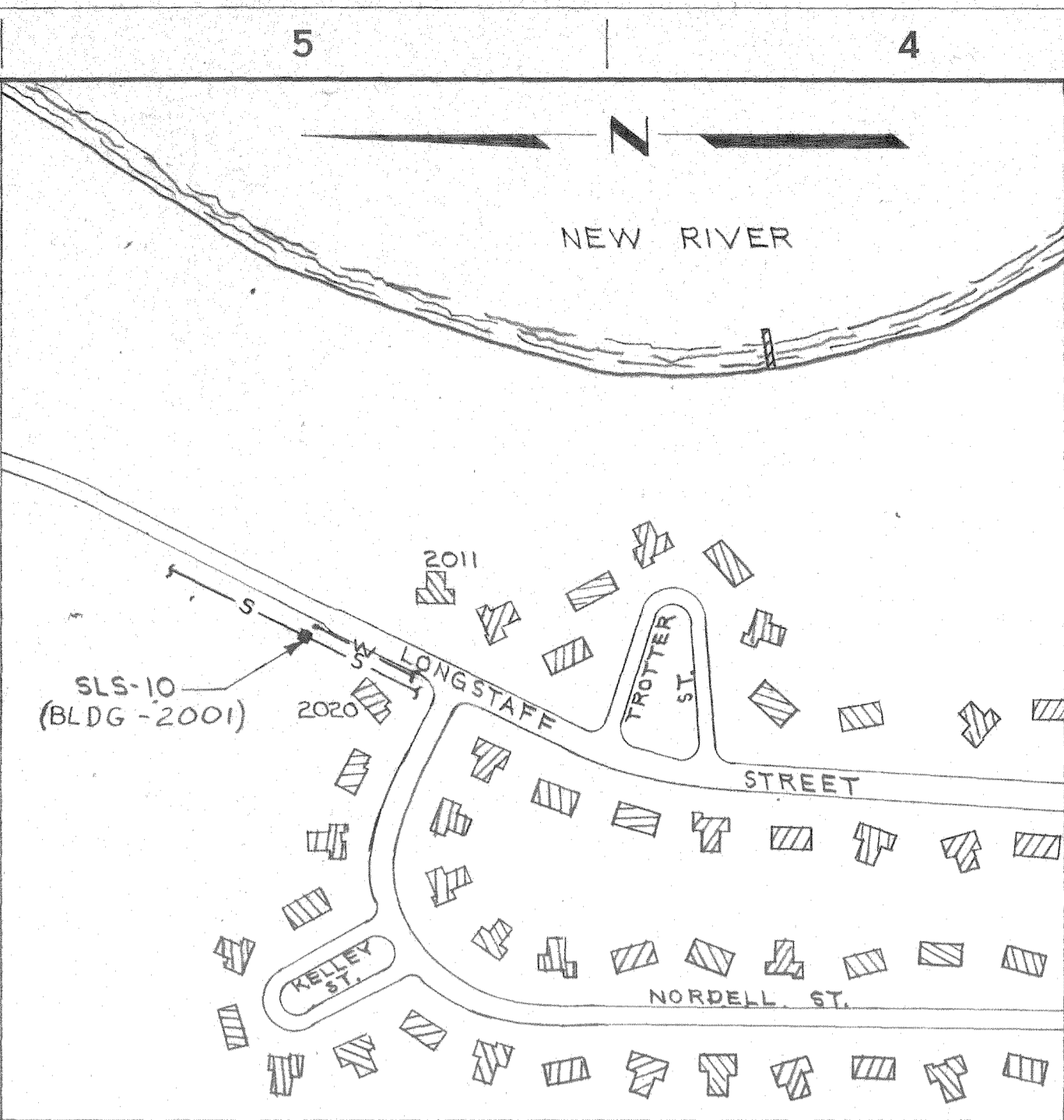
SLS-9 POWER RISER DIAGRAM
NO SCALE



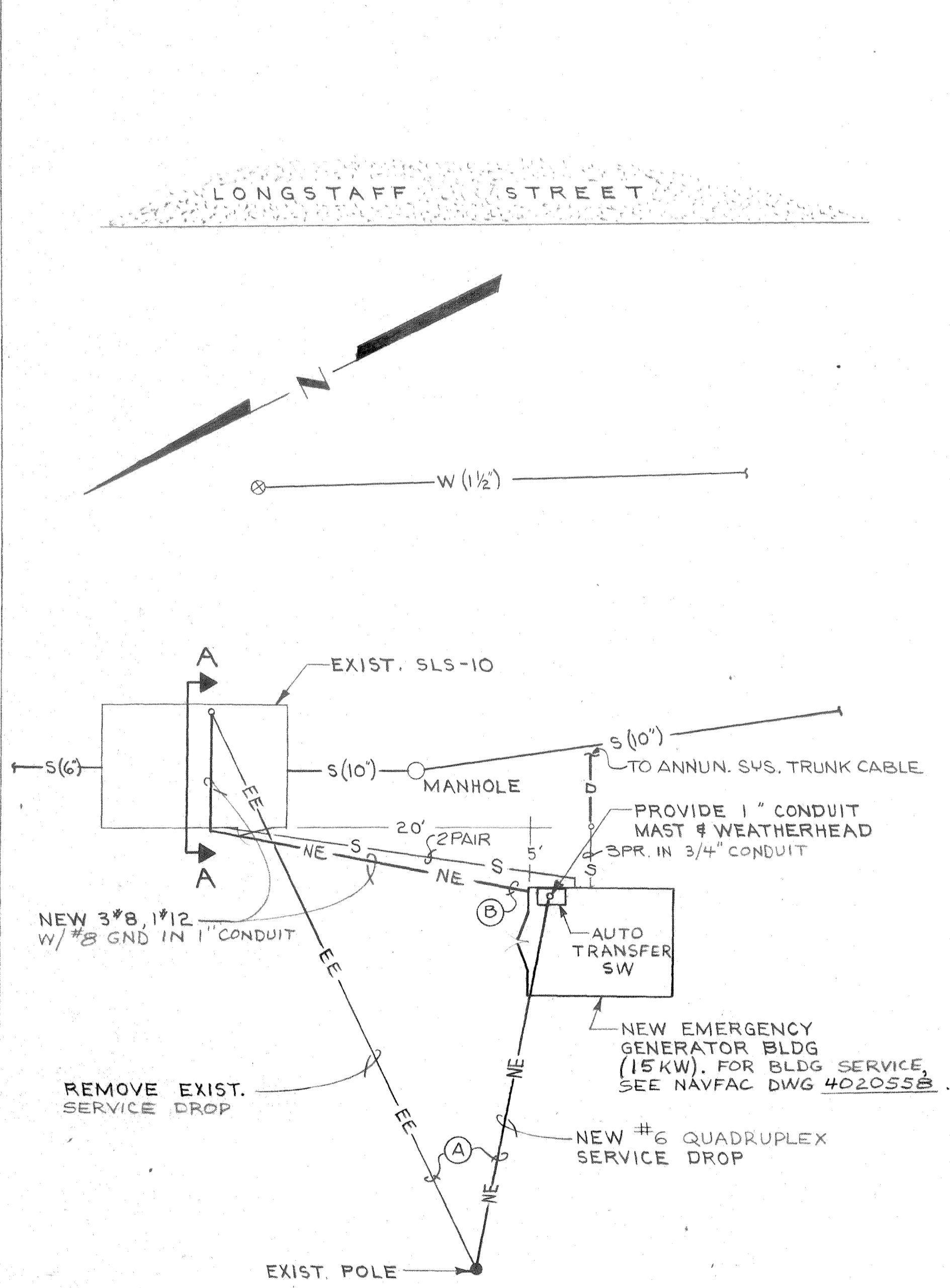
DETAIL A SLS-9
NO SCALE



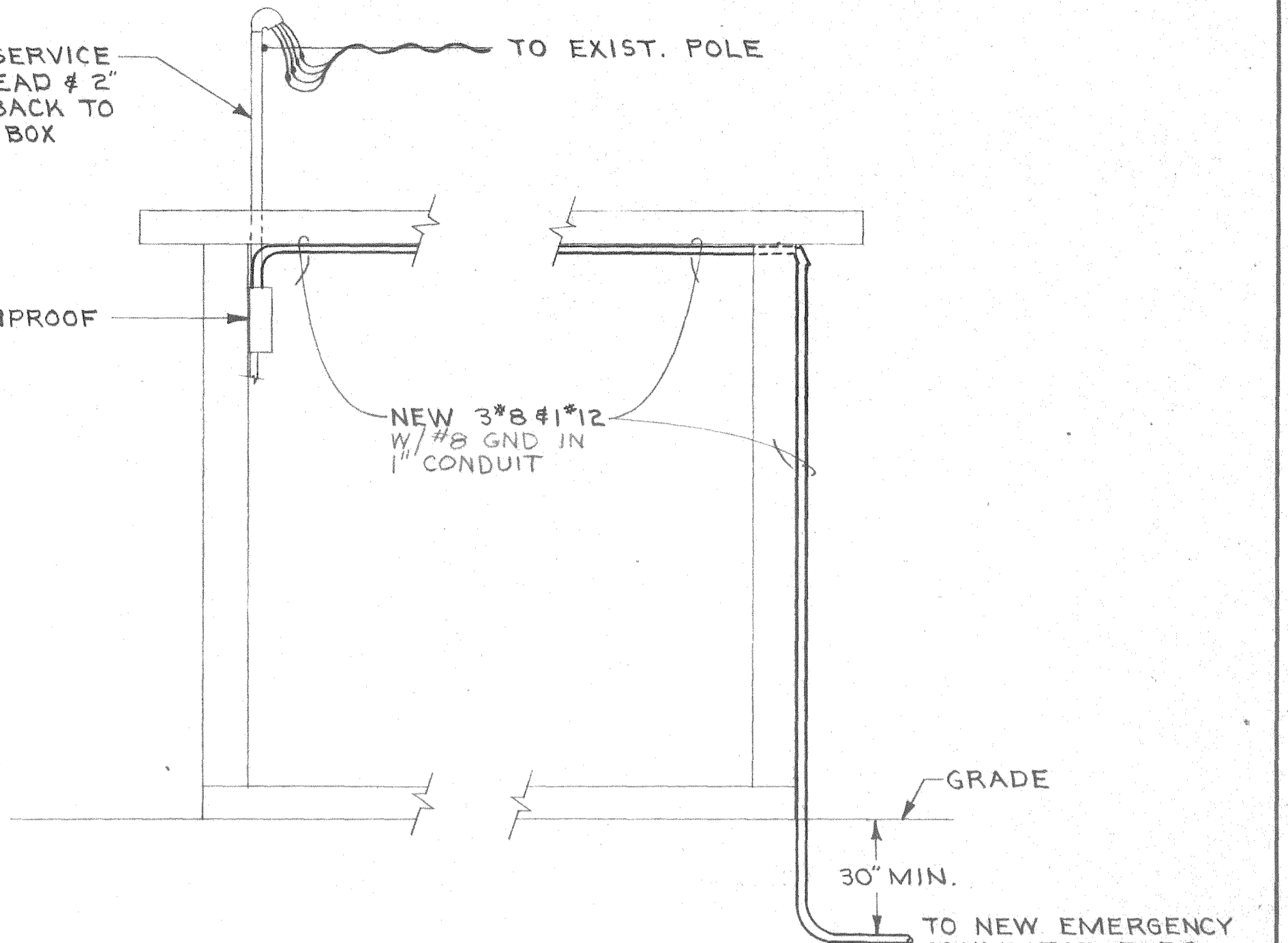
SECTION B-B NEW SERVICE ENTRANCE
NO SCALE



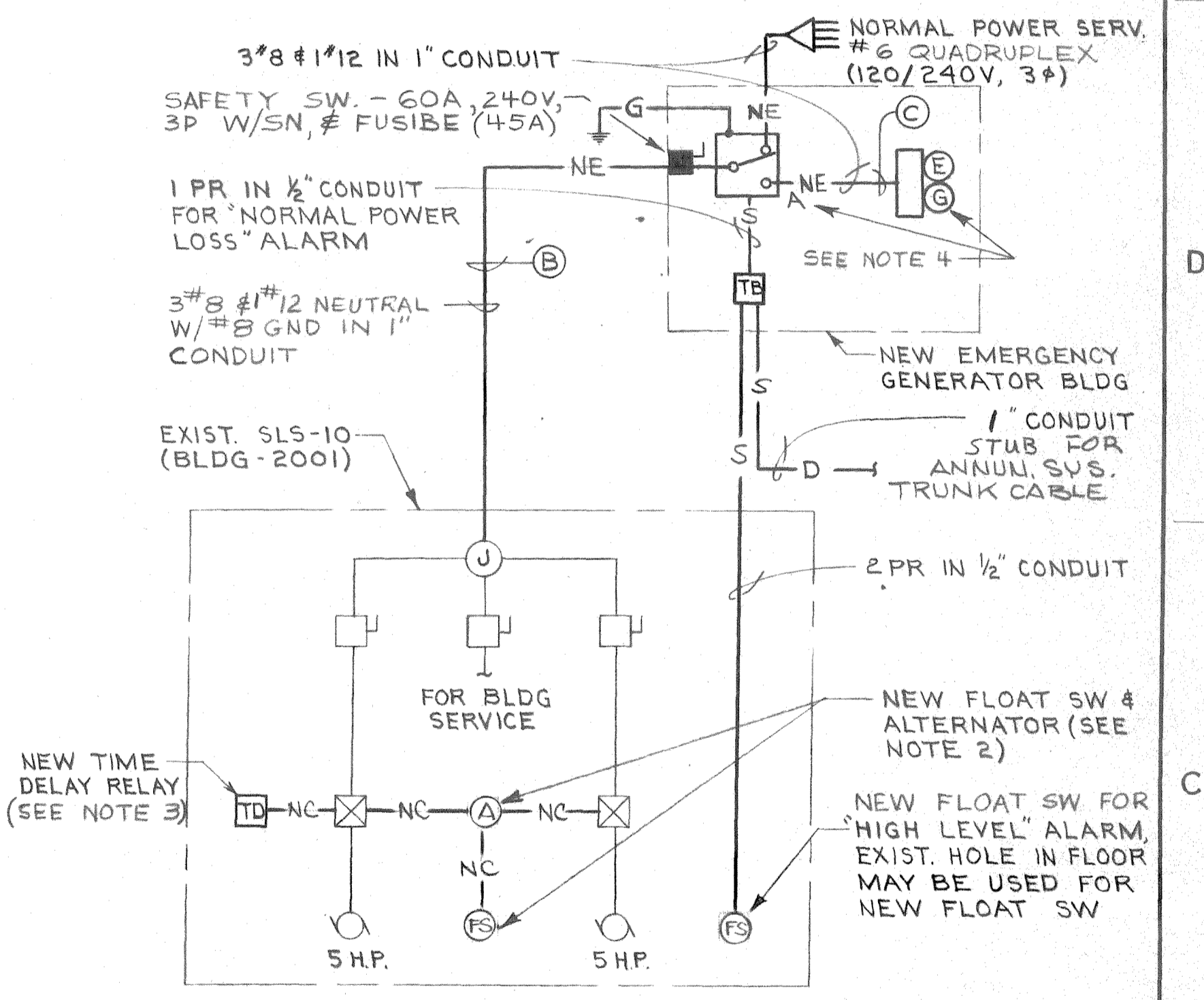
PLOT PLAN
SCALE: 1"=200'
SLS-10



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

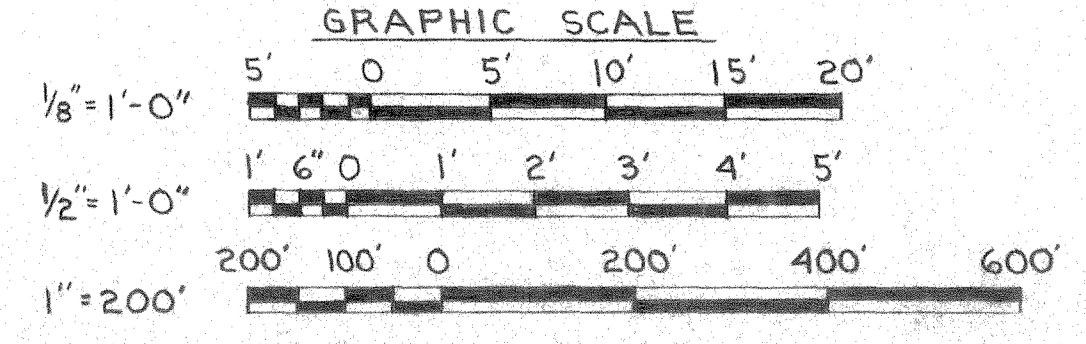


SECTION A-A NEW SERVICE ENTRANCE
SCALE: 1/2"=1'-0"



SLS-10 POWER RISER DIAGRAM
NO SCALE

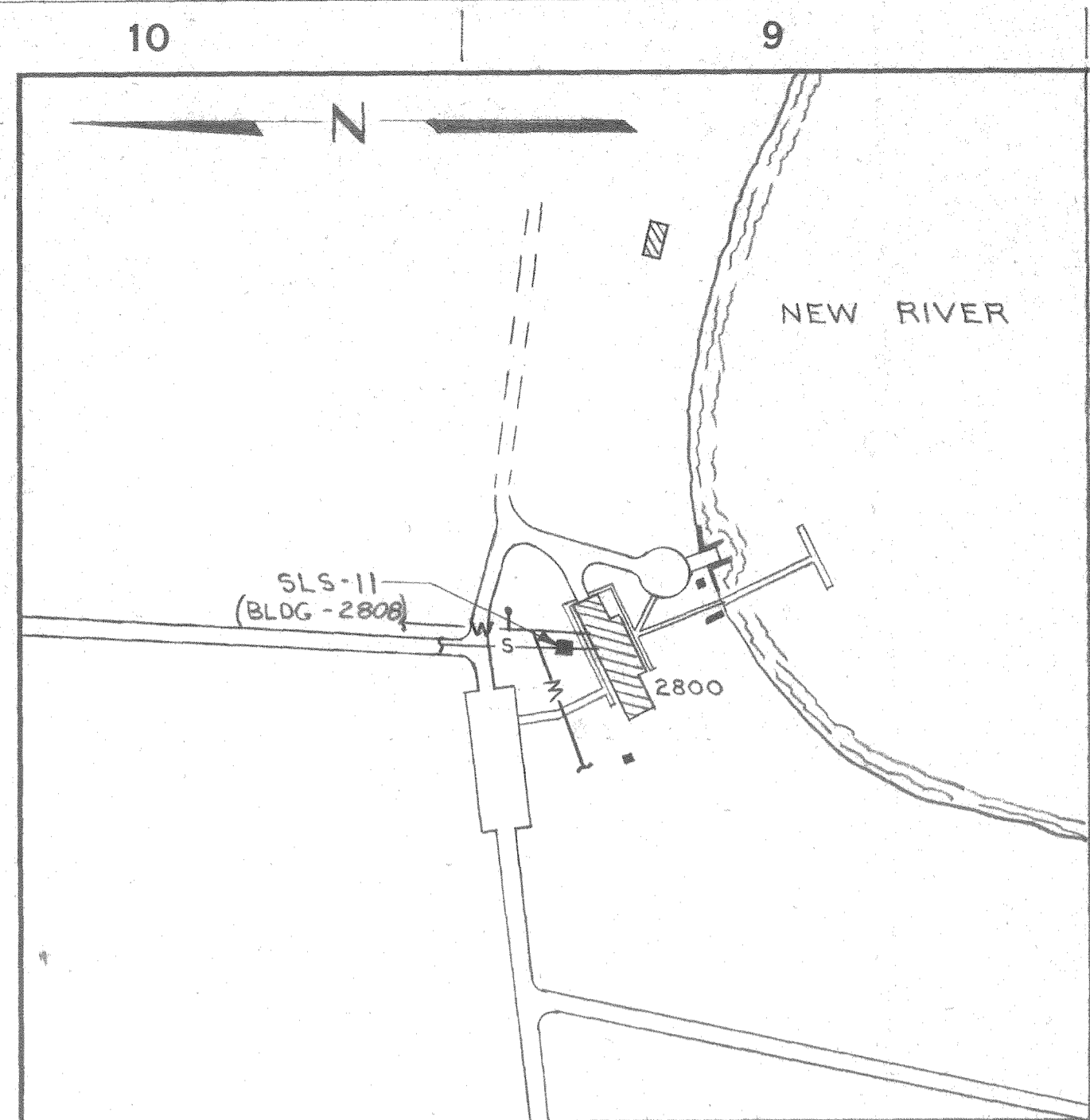
- NOTES**
1. NEW EQUIPMENT SERVICE CONNECTIONS SHALL BE MADE USING EXISTING CONDUCTORS FROM CONNECTION AT TRANSFORMER IN BLDG 901 TO CONNECTION IN NEW ELECTRICAL CONTROL PANEL.
 2. EXIST. CONDITIONS CONSIST OF A DUAL ELEMENT FLOAT SW WHICH ACTIVATES BOTH PUMPS, REMOVE EXIST. FLOAT SW AND PROVIDE A NEW FLOAT SW WITH ALTERNATOR AND RECONNECT MOTOR CONTROLS SO THAT THE NEW SW ACTIVATES BOTH MOTORS IN ALTERNATING SEQUENCE, THE ALTERNATOR SHALL BE CAPABLE OF STARTING BOTH MOTORS WHEN SEWAGE LEVEL DEMANDS IT. THIS NOTE PERTAINS TO SLS-10 ONLY.
 3. FOR CONTROL WIRING DETAIL, SEE NAVFAC DWG NO 4020559.
 4. FOR DESCRIPTION OF THIS EQUIPMENT, SEE SCHEDULE ON NAVFAC DWG NO 4020559.



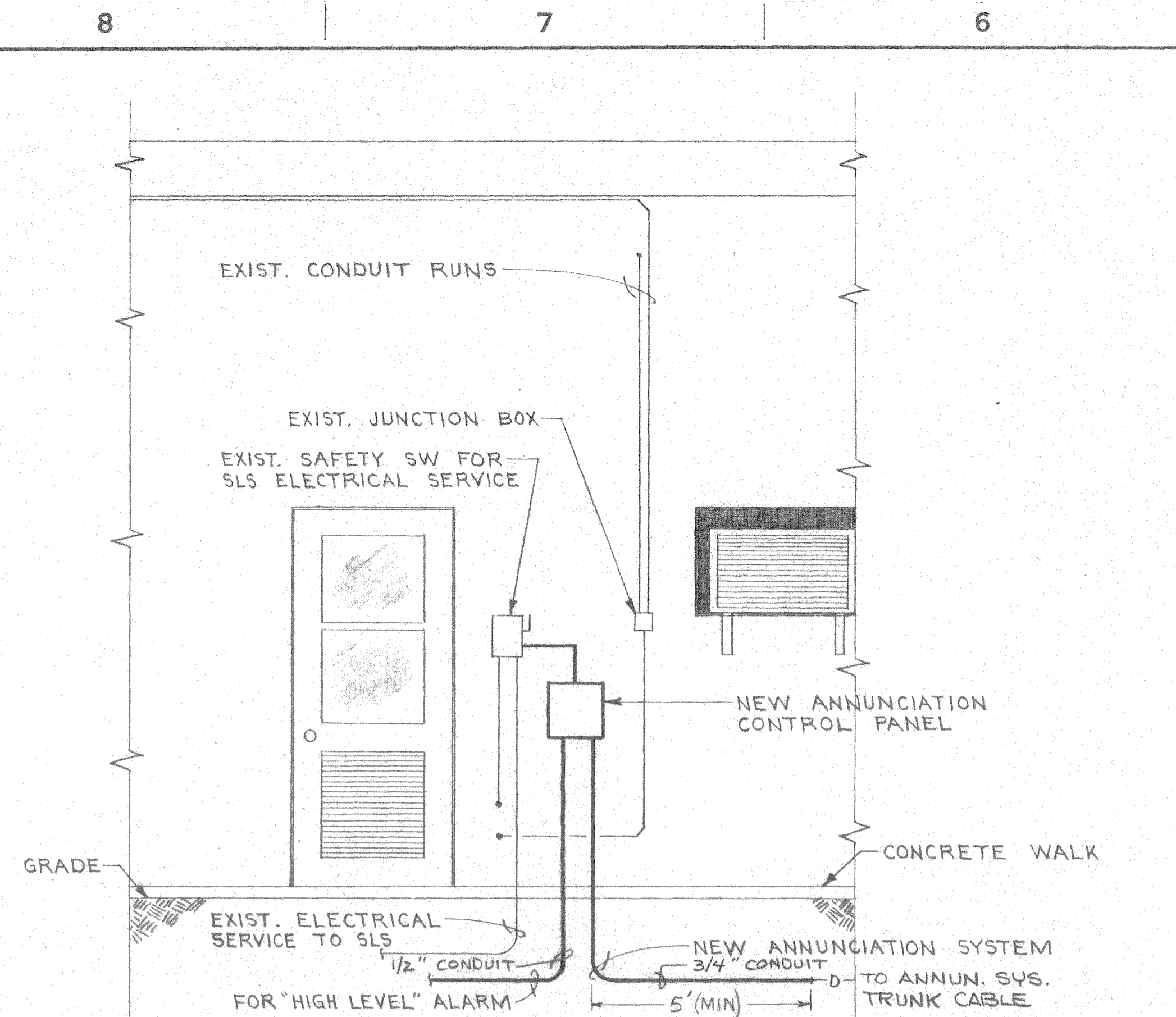
ELECTRICAL		NAVFAC DRAWING NO. 4020564	
APPROVED	DATE	SIZE	CORE IDENT. NO.
	1 APR 1975	F	80091
FOR SFD FOR COMMANDER NAVFAC		CONSTR. CONTR. NO.	NG2470-74-B-1344
SCALE SHOWN		SPEC.	05-74-1344
		SHEET	11 OF 12

REVISIONS		
SYM.	DESCRIPTION	DATE

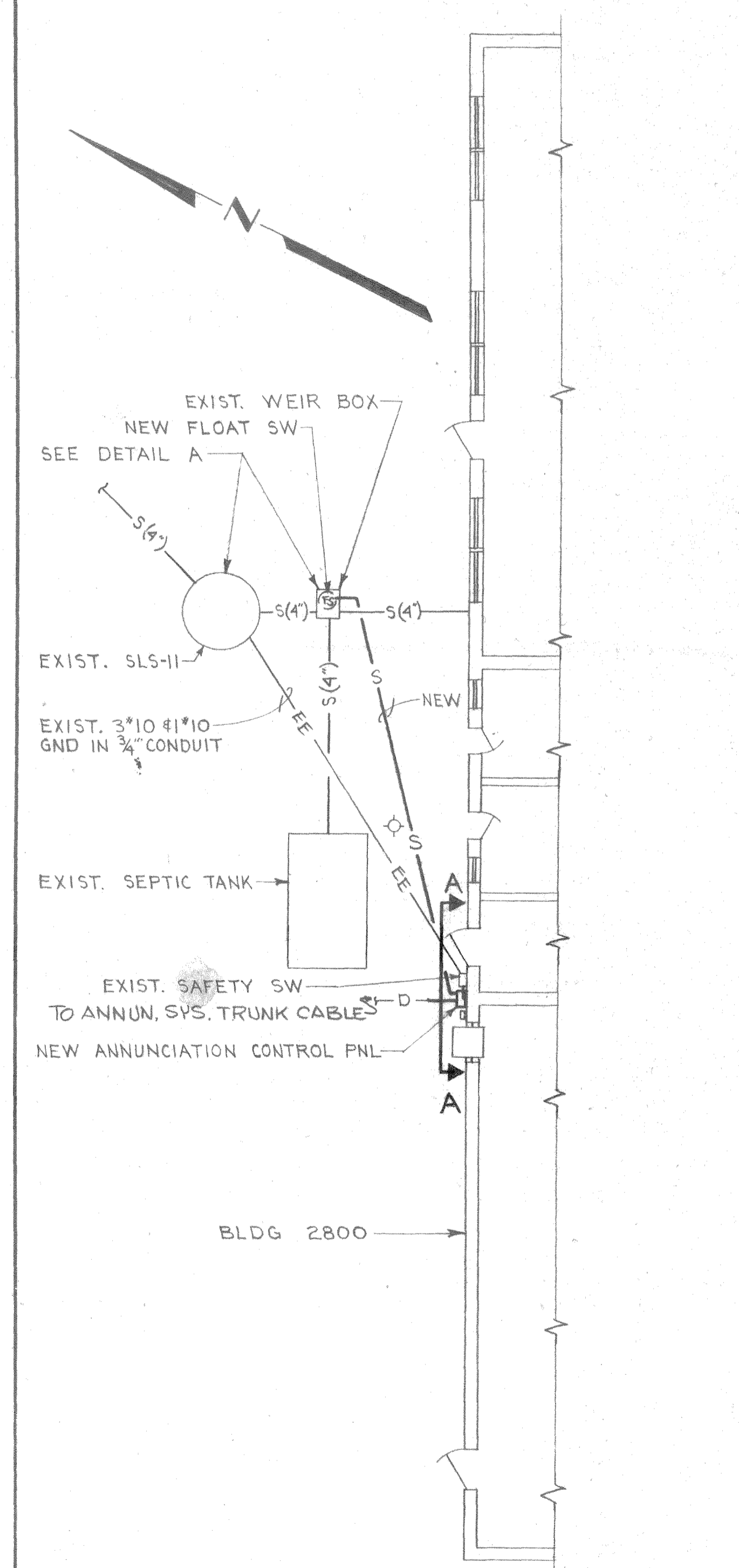




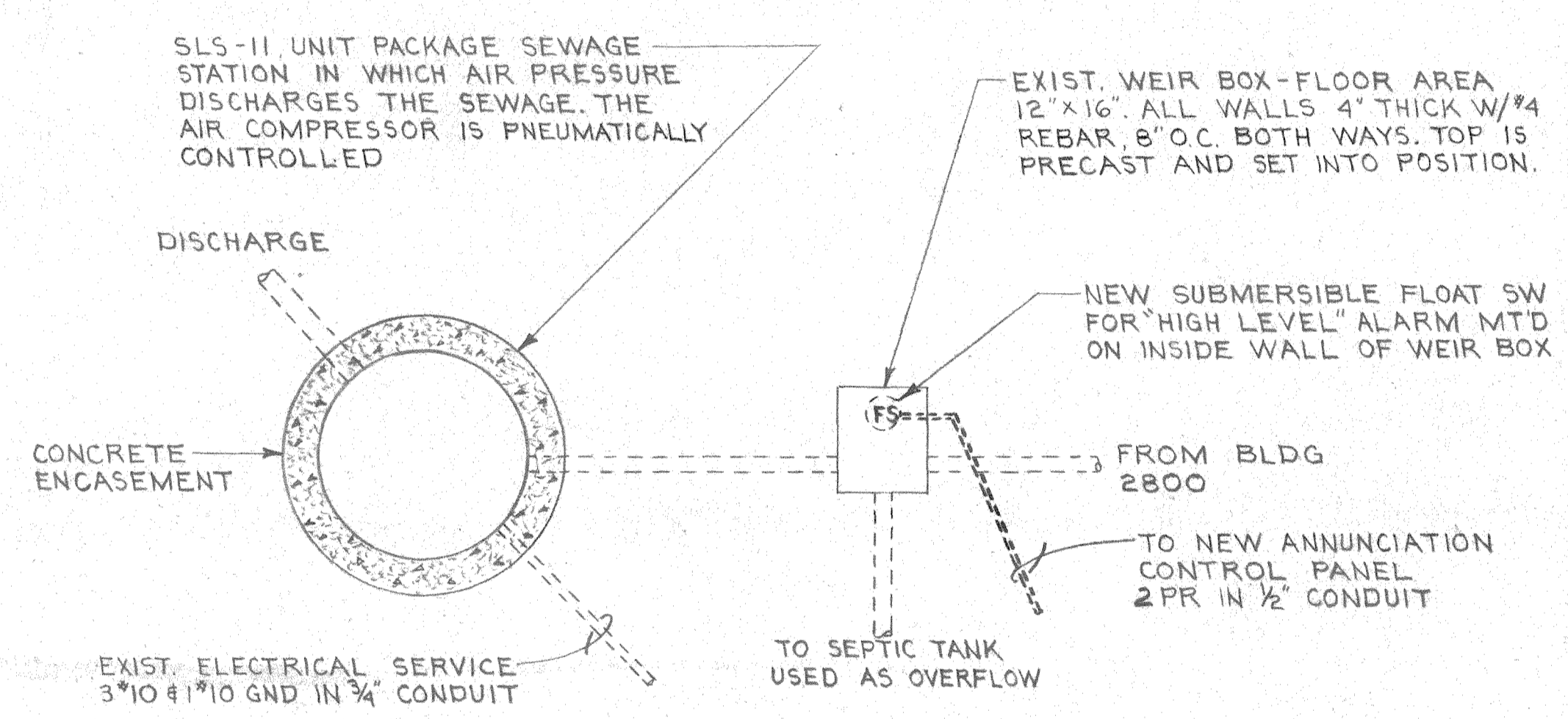
PLOT PLAN
SCALE: 1" = 200'
SLS-II



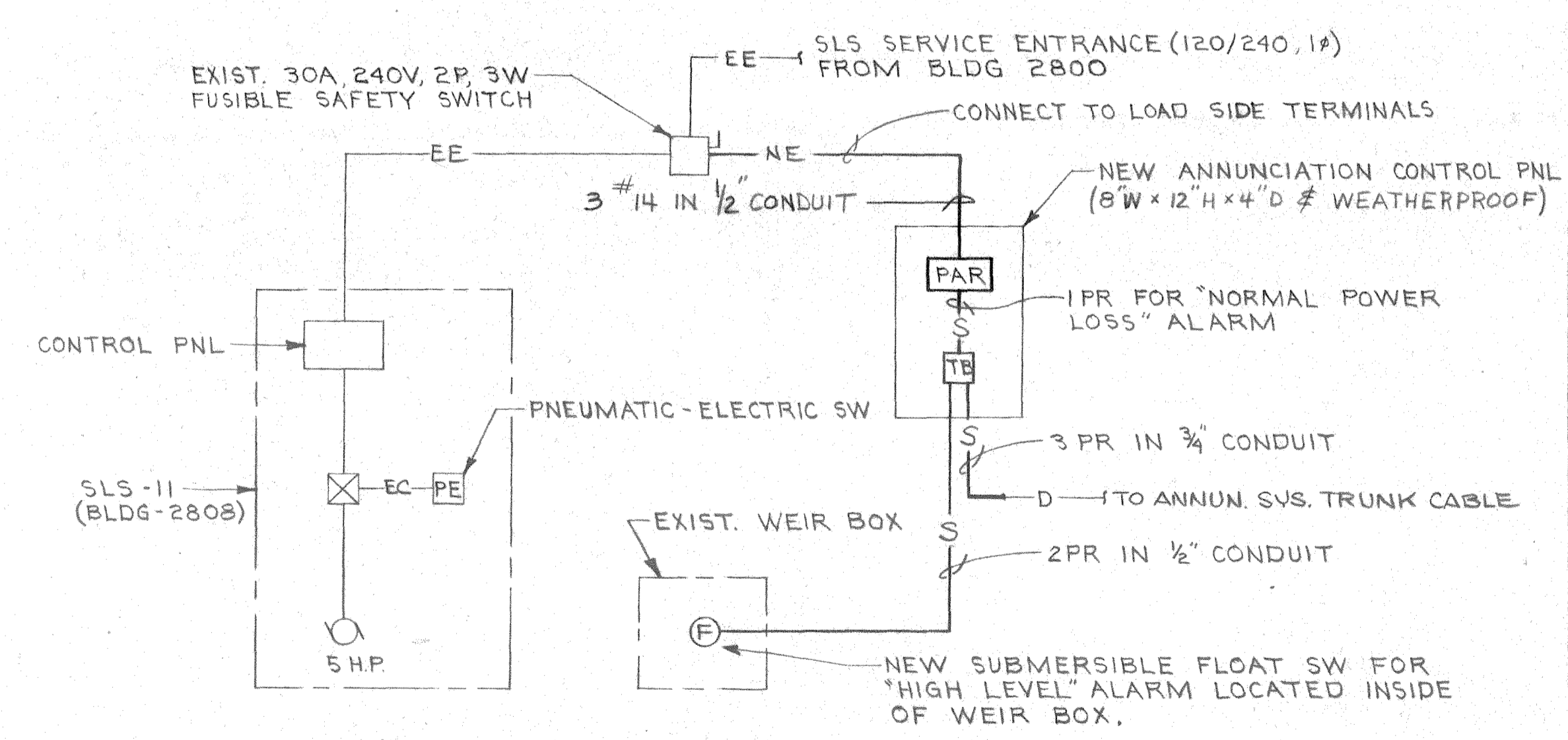
SECTION A-A NEW ANNUNCIATION SYSTEM
SCALE: 1/2" = 1'-0"



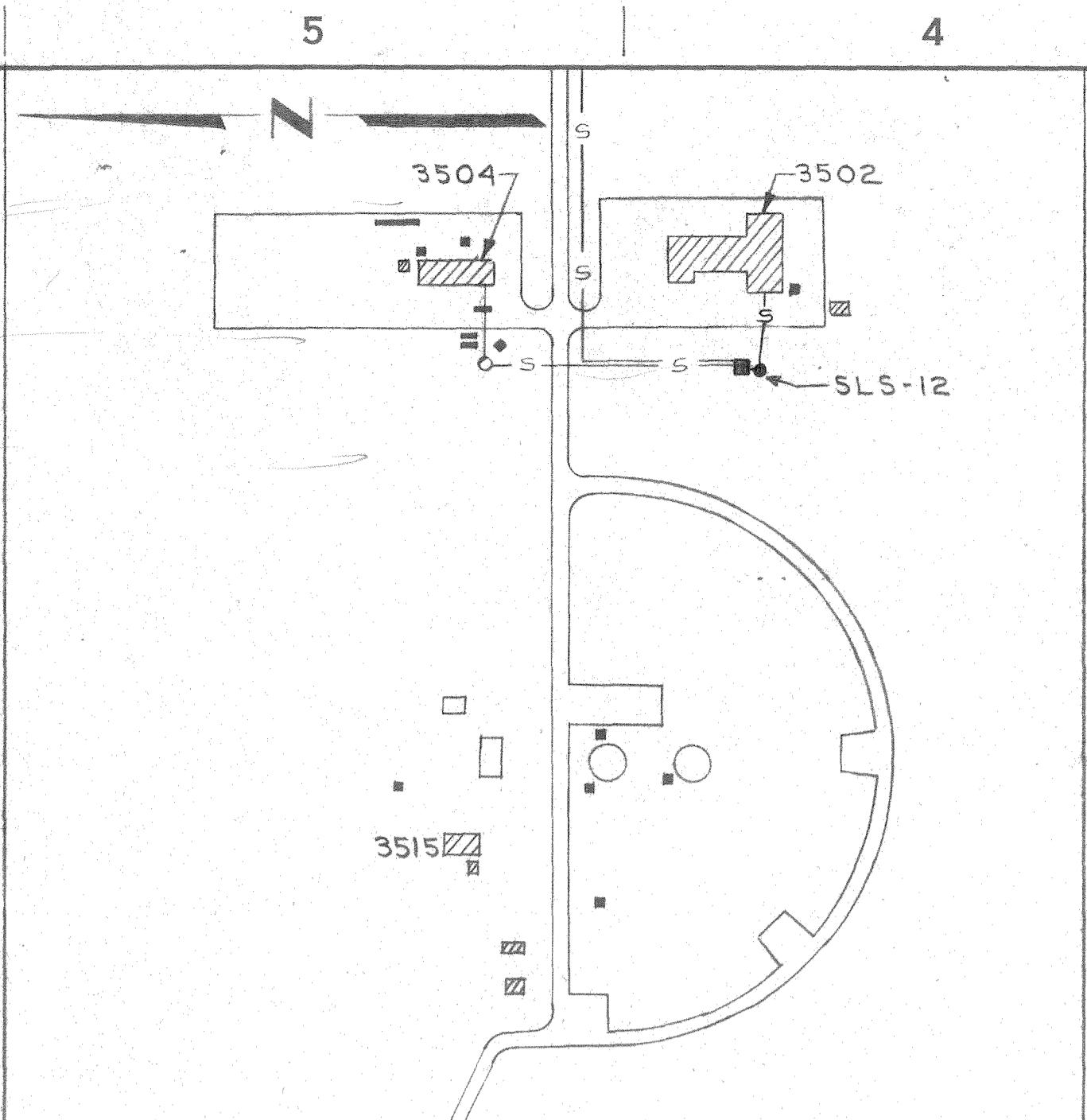
ELECTRICAL SITE PLAN
SCALE: 1/8" = 1'-0"



DETAIL A SLS-II
NO SCALE

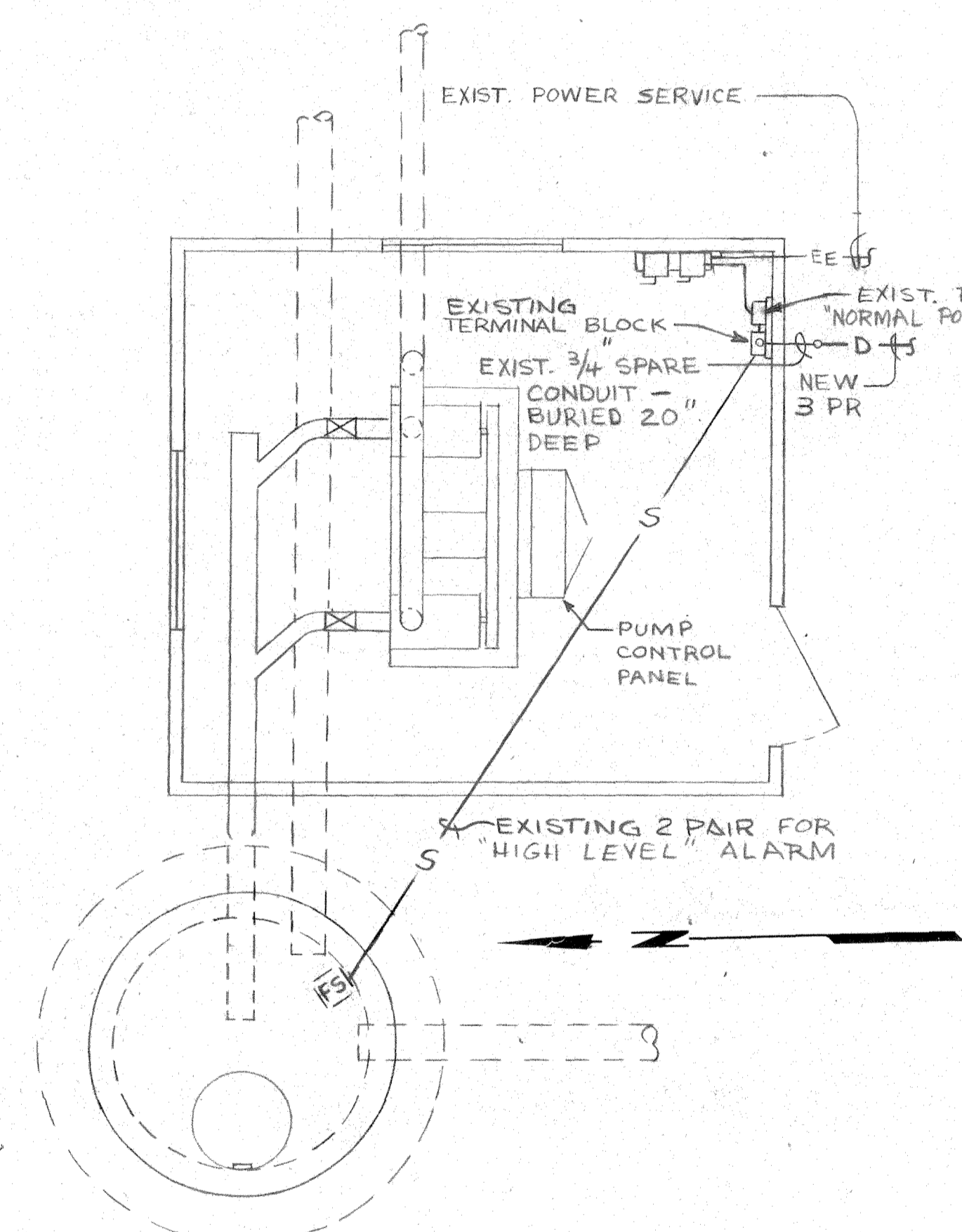


SLS-II POWER RISER DIAGRAM
NO SCALE

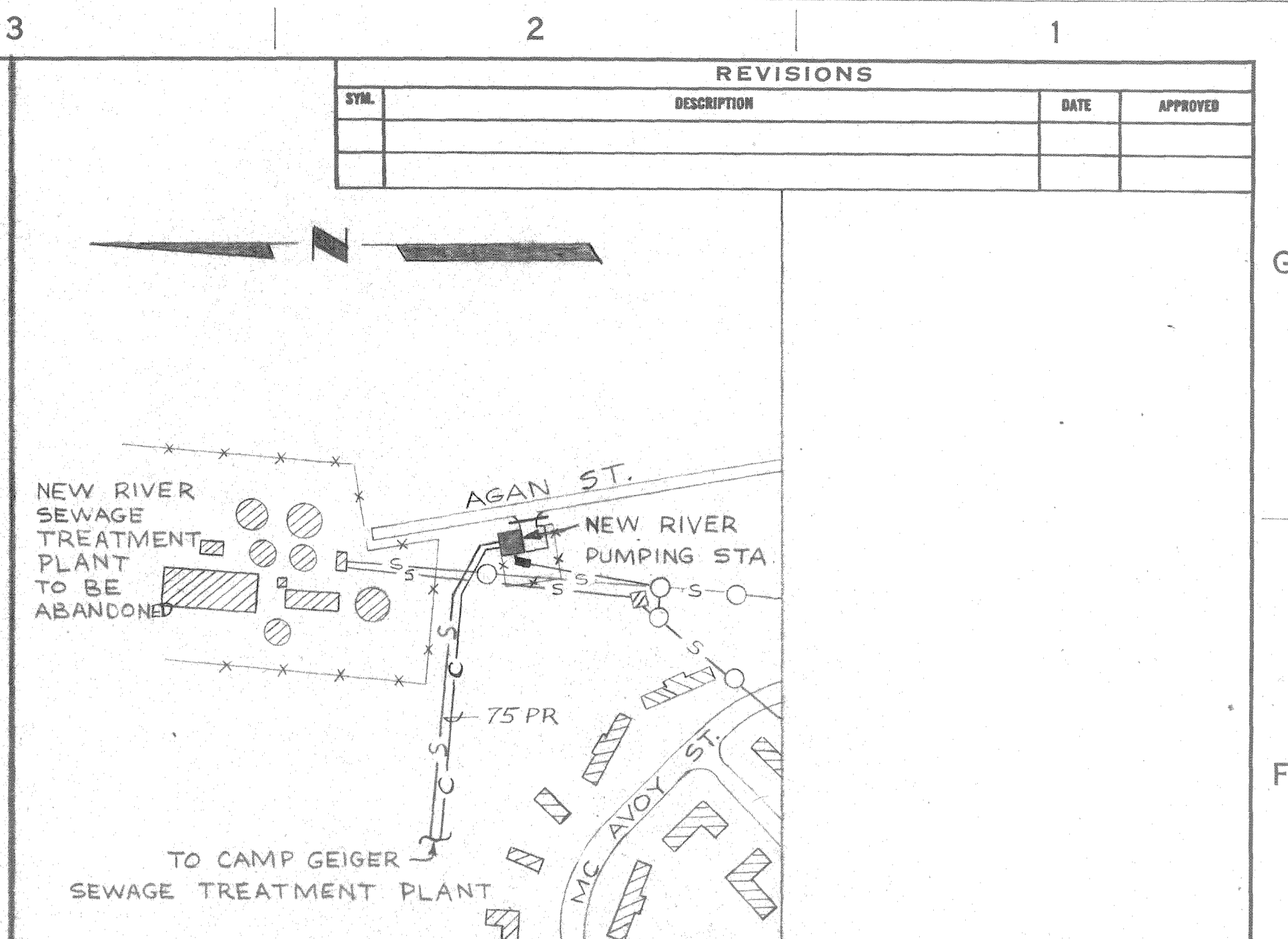


PLOT PLAN
SCALE: 1" = 200'
SLS-12

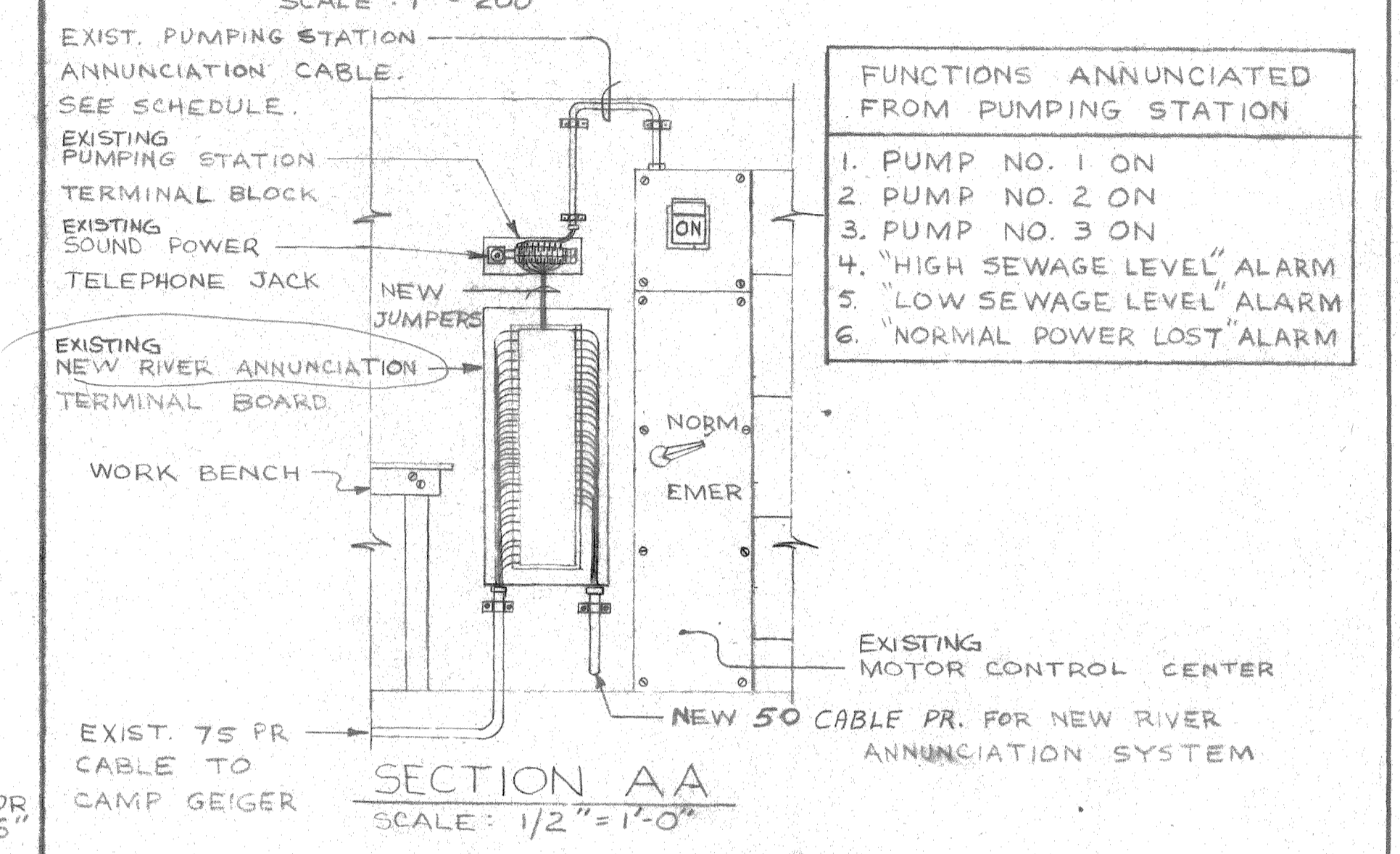
NOTE
THIS SLS PRESENTLY IN CONSTRUCTION UNDER CONSTRUCTION CONTRACT NG2470-73C-1155. THAT CONTRACT PROVIDES ALL EQUIPMENT EXCEPT FOR THE 3 PAIR ANNUNCIATION CABLE. THE CONTRACTOR SHALL PROVIDE THIS CABLE AND MAKE ALL NECESSARY CONNECTIONS TO CONNECT THIS SLS INTO THE ANNUNCIATION SYSTEM.



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

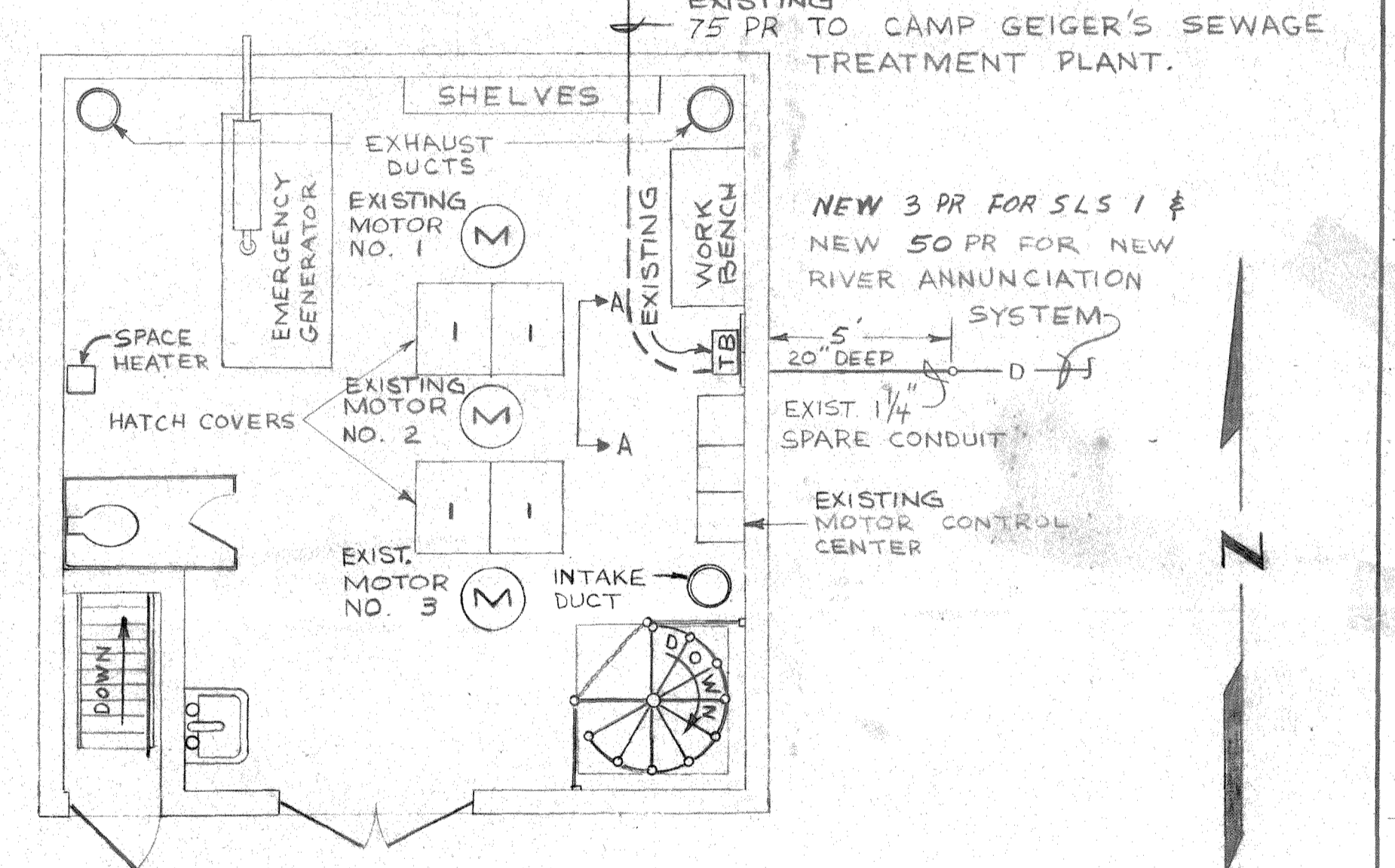


PLOT PLAN
SCALE: 1" = 200'



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

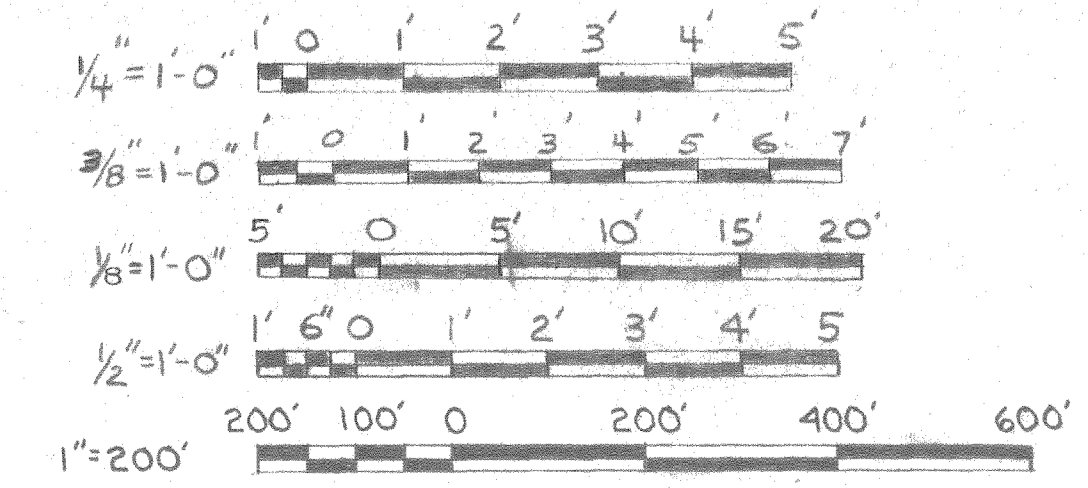
- FUNCTIONS ANNUNCIATED FROM PUMPING STATION**
1. PUMP NO. 1 ON
 2. PUMP NO. 2 ON
 3. PUMP NO. 3 ON
 4. "HIGH SEWAGE LEVEL" ALARM
 5. "LOW SEWAGE LEVEL" ALARM
 6. "NORMAL POWER LOST" ALARM



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

NOTE
THIS PUMPING STATION PRESENTLY IN CONSTRUCTION UNDER CONSTRUCTION CONTRACT NG2470-73C-1155. THAT CONTRACT PROVIDES ALL EQUIPMENT EXCEPT FOR THE 306 PAIR FOR THE NEW RIVER ANNUNCIATION SYSTEM AND THE JUMPERS CONNECTING THE TERMINAL BLOCK TO THE TERMINAL BOARD. THE CONTRACTOR SHALL PROVIDE THIS MATERIAL AND MAKE ALL CONNECTIONS MATCHING COLORED PAIRS OF THE EXISTING 75 PR CABLE.

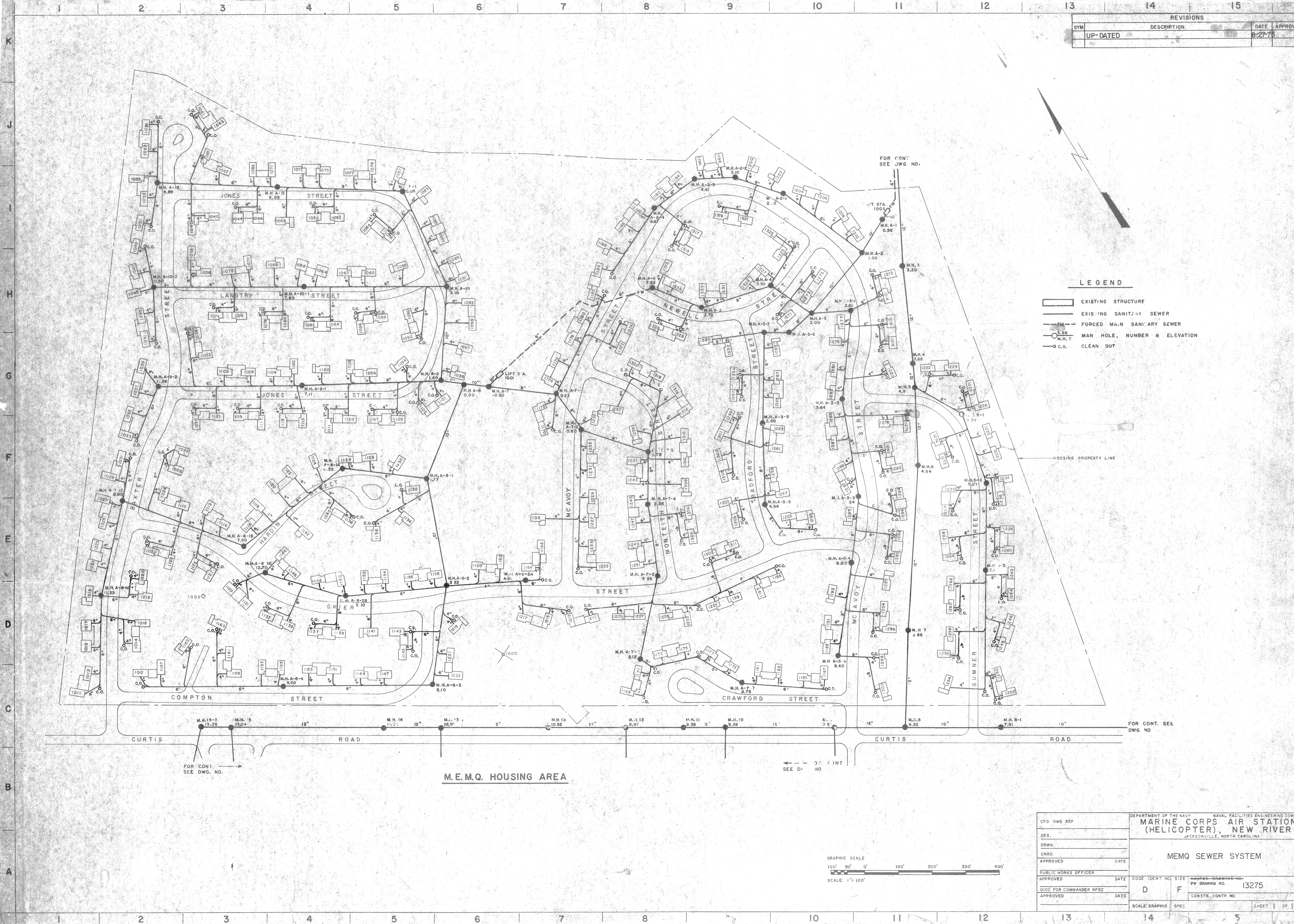
GRAPHICS SCALES



EFD DWG. NO. 120565		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
WORK REQ. NO. 545D4238		ATLANTIC DIVISION	
DRWN. LARRY COLLIER		NAVAL STATION NORFOLK, VA.	
CHK. JRP		MARINE CORPS AIR STATION NEW RIVER, N.C.	
TR.		SEWAGE SYSTEM IMPROVEMENTS	
BR. MGR. [Signature]		DETAILS - LIFT STATIONS II # 12	
DES. DIR. [Signature]		ELECTRICAL	
SATISFACTORY TO DATE		NAVFAC DRAWING NO. 4020565	
APPROVED DATE		SIZE CODE REPT. NO. 80091	
FOR ETO FOR COMMANDER NAVFAC		CONSTR. CONTR. NO. NG2470-74-B-1344	
		SCALE SHOWN SPEC. 05-74-1344 SHEET 12 OF 12	



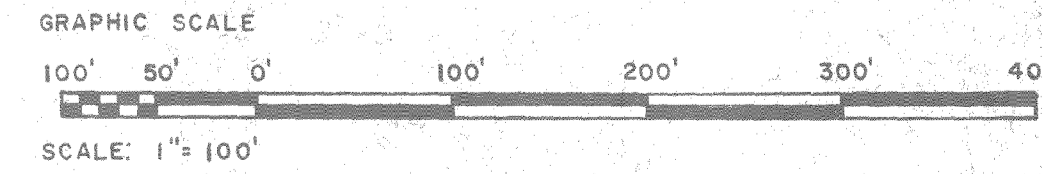
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
UP-DATED		8-27-75	



LEGEND

	EXISTING STRUCTURE
	EXISTING SANITARY SEWER
	FORCED MAIN SANITARY SEWER
	MAN HOLE, NUMBER & ELEVATION
	CLEAN OUT

M.E.M.Q. HOUSING AREA

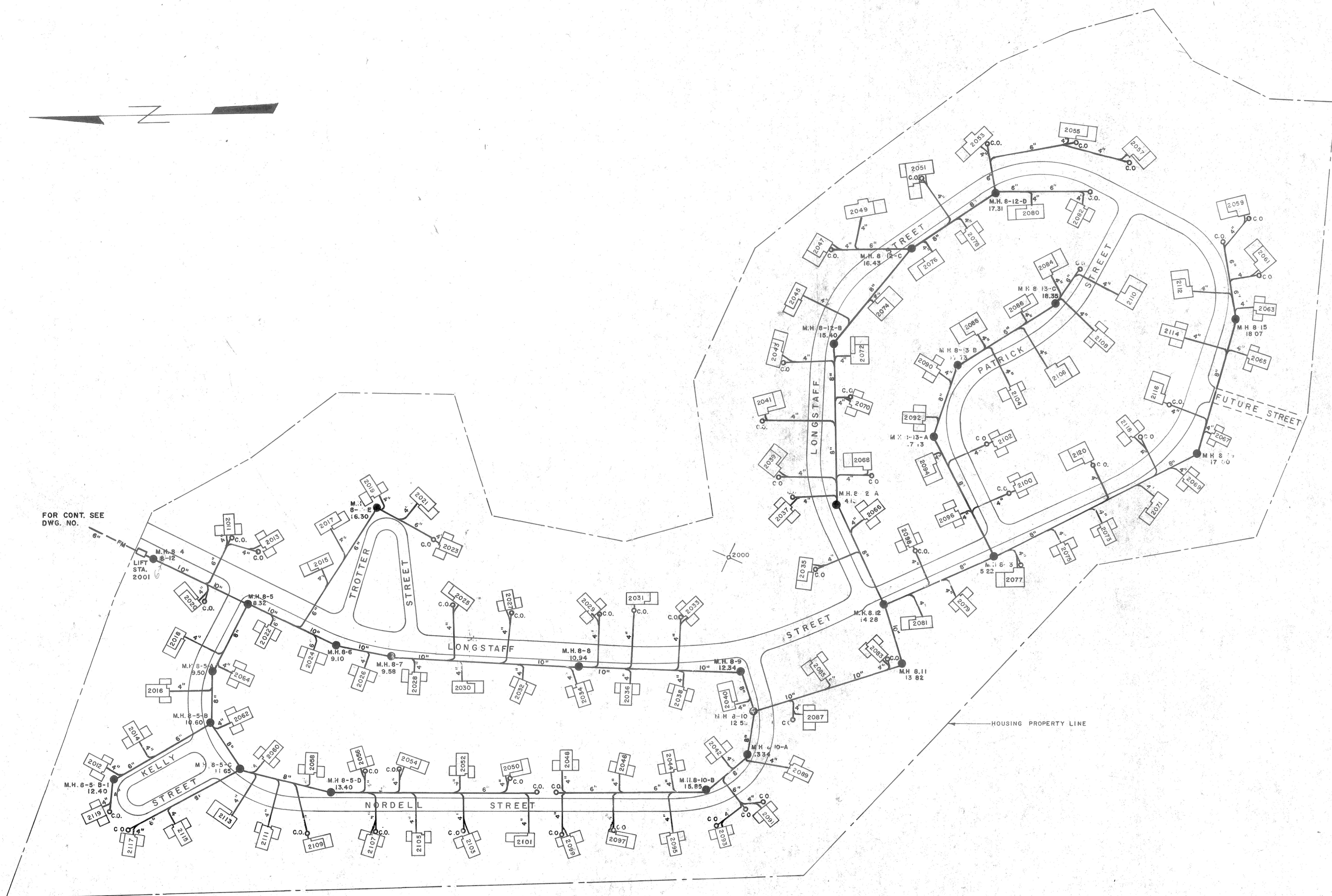


CPD DWG REF	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND		
DES.	MARINE CORPS AIR STATION (HELICOPTER), NEW RIVER		
DRWN.	JACKSONVILLE, NORTH CAROLINA		
CHKD.	MEMQ SEWER SYSTEM		
APPROVED	DATE	CODE IDENT. NO.	SIZE
PUBLIC WORKS OFFICER		D	F
APPROVED	DATE	PW DRAWING NO. 13275	
OICC FOR COMMANDER NFEC	DATE	CONSTR. CONTR. NO.	
APPROVED	DATE	SCALE GRAPHIC SPEC.	SHEET 1 OF 15

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
UP-DATED		9-27-75	

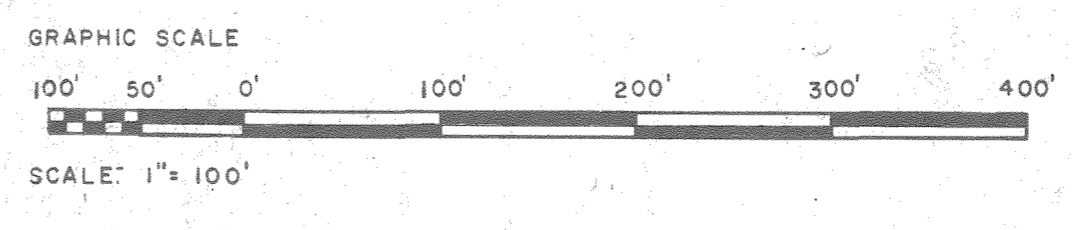
LEGEND

	EXISTING STRUCTURE
	EXISTING SANITARY SEWER
	FORCED MAIN SANITARY SEWER
	MAN HOLE, NUMBER & ELEVATION
	CLEAN OUT

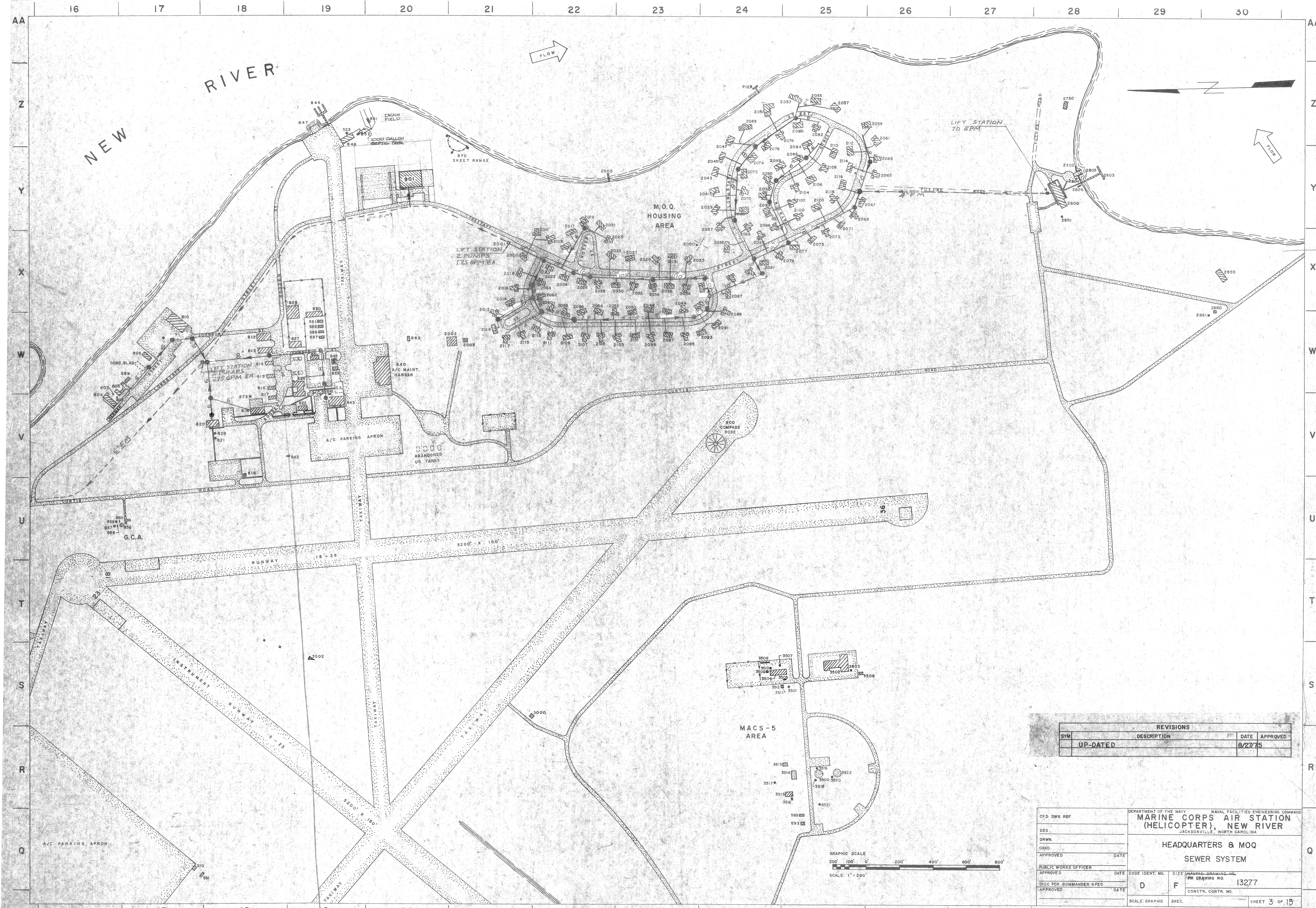


FOR CONT. SEE DWG. NO.

M.O.Q. HOUSING AREA



CFD DWG REF	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND		
DES.	MARINE CORPS AIR STATION (HELICOPTER), NEW RIVER JACKSONVILLE, NORTH CAROLINA		
DRWN.			
CHKD.			
APPROVED	DATE	MOQ SEWER SYSTEM	
PUBLIC WORKS OFFICER			
APPROVED	DATE	CODE IDENT. NO.	SIZE
OICC FOR COMMANDER NFEC		D	F
APPROVED	DATE	CONSTR. CONTR. NO.	PW DRAWING NO. 13276
SCALE: GRAPHIC		SPEC.	SHEET 2 OF 15



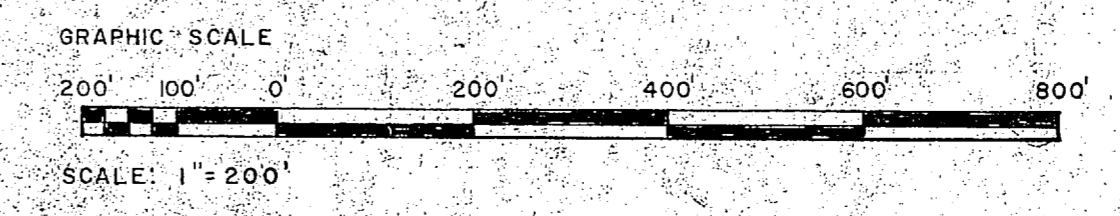
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
	UP-DATED	8/27/75	

CFD DWG REF	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND		
DES.	MARINE CORPS AIR STATION (HELICOPTER), NEW RIVER		
BRWN.	JACKSONVILLE, NORTH CAROLINA		
CHKD.	HEADQUARTERS & MOQ		
APPROVED	DATE	SEWER SYSTEM	
PUBLIC WORKS OFFICER	DATE	CODE IDENT. NO.	SIZE
APPROVE		D	F
CHIEF FOR COMMANDER NFEC	DATE	CONSTR. CONTR. NO.	13277
APPROVE		SCALE: GRAPHIC	SPEC.
			SHEET 3 OF 15

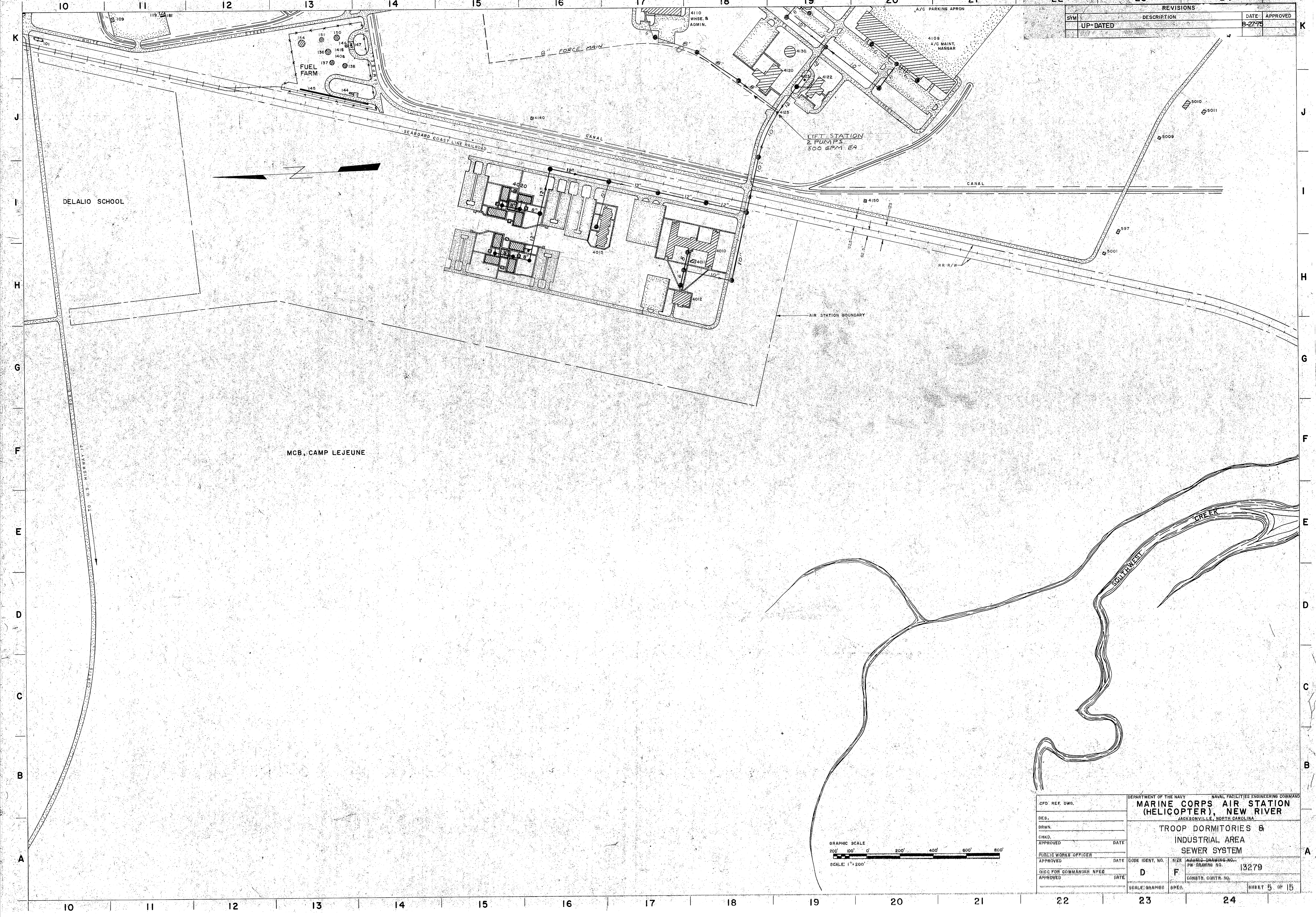
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
UP-	DATED	8/27/75	



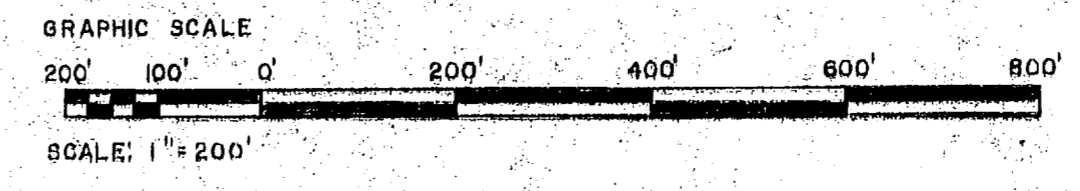
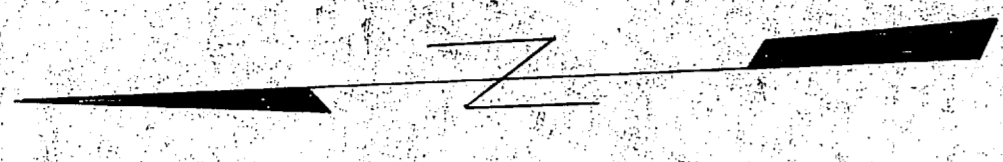
CAMP GEIGER



CFD DWG REF	DES.	DRWN.	CHKD.	APPROVED	DATE	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND MARINE CORPS AIR STATION (HELICOPTER), NEW RIVER JACKSONVILLE, NORTH CAROLINA	
						INDUSTRIAL & MOQ SEWER SYSTEM	
PUBLIC WORKS OFFICER	APPROVED	DATE	CODE IDENT. NO.	SIZE	NAVFAC DRAWING NO.		
			D	F	13278		
QCIC FOR COMMANDER NFEC	APPROVED	DATE	CONSTR. CONTR. NO.				
				SCALE: GRAPHIC	SPEC.	SHEET 4 OF 15	

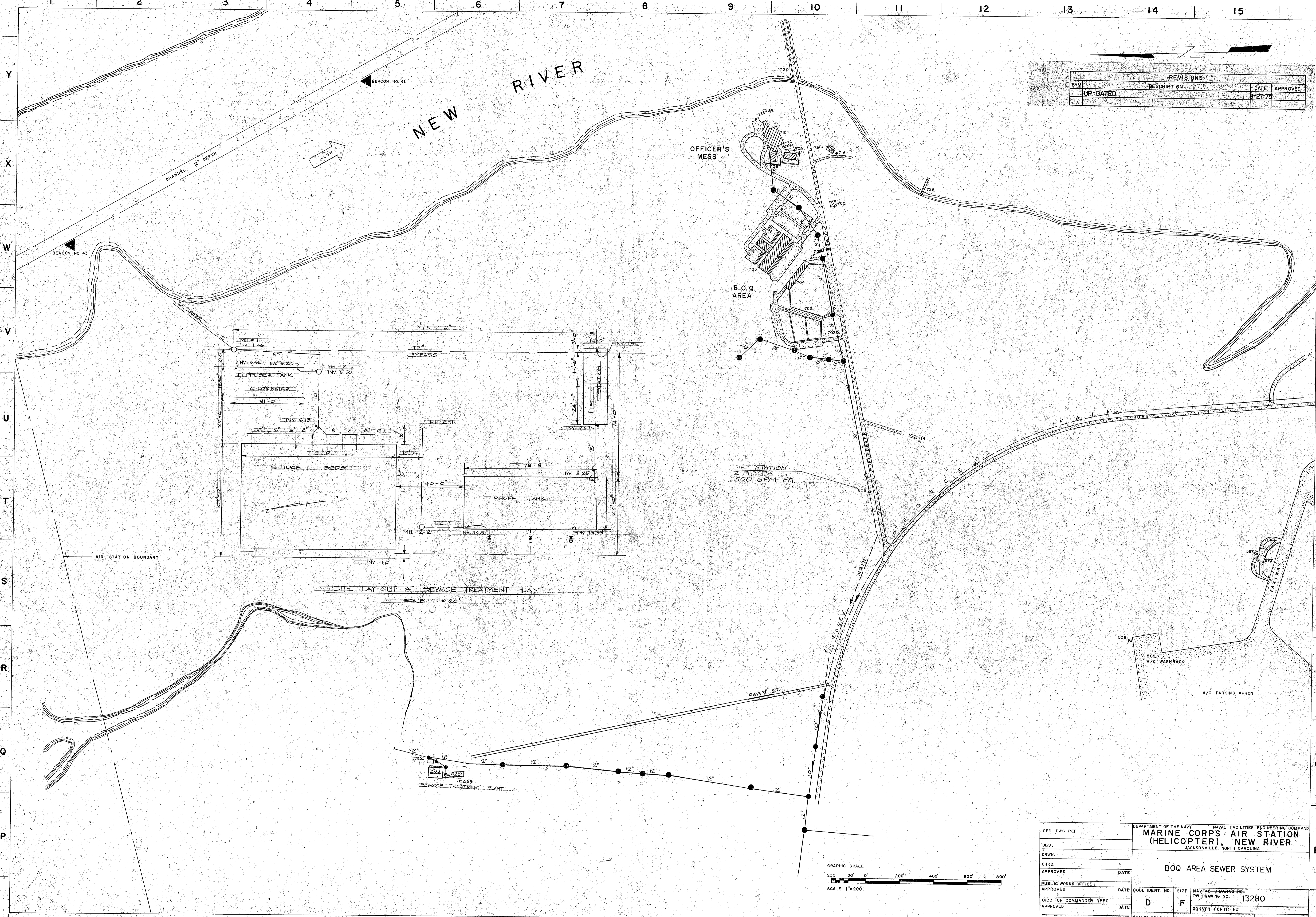


REVISIONS		DATE	APPROVED
SYM	DESCRIPTION		
	UP-DATED	B-27-75	

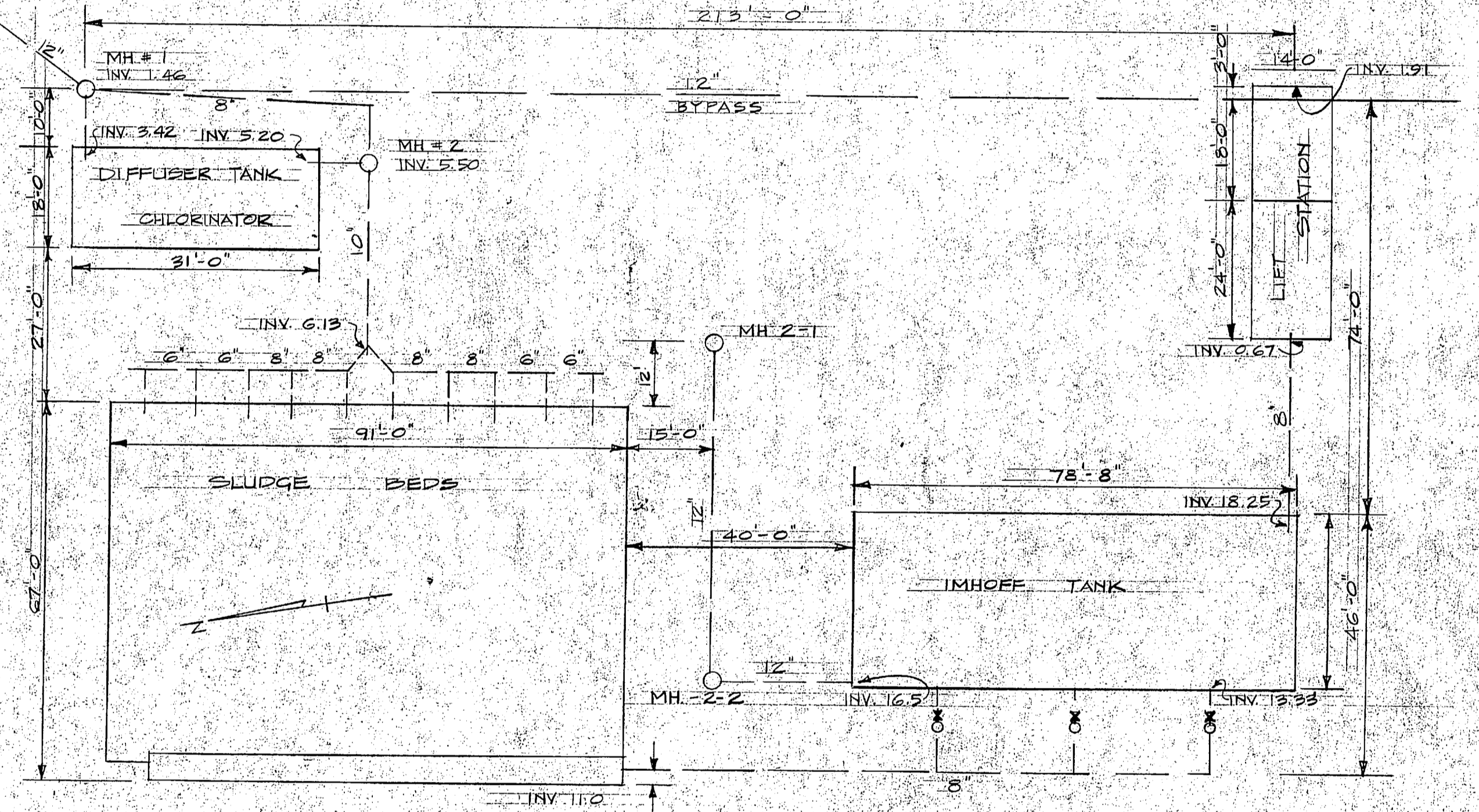


CFD REF. DWG.	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND		
DES.	MARINE CORPS AIR STATION (HELICOPTER), NEW RIVER		
DRWN.	JACKSONVILLE, NORTH CAROLINA		
CHKD.	TROOP DORMITORIES & INDUSTRIAL AREA		
APPROVED	DATE	CODE IDENT. NO.	SEWER SYSTEM
PUBLIC WORKS OFFICER		D	F
APPROVED	DATE	SIZE	13279
DIC FOR COMMANDER NFO		MAJOR-DRAWING-NO.	
APPROVED	DATE	PW DRAWING NO.	
		CONTR. CONTR. NO.	
		SCALE: GRAPHIC	SHEET 5 OF 15

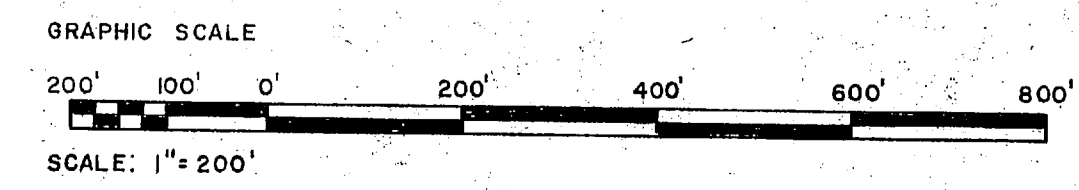




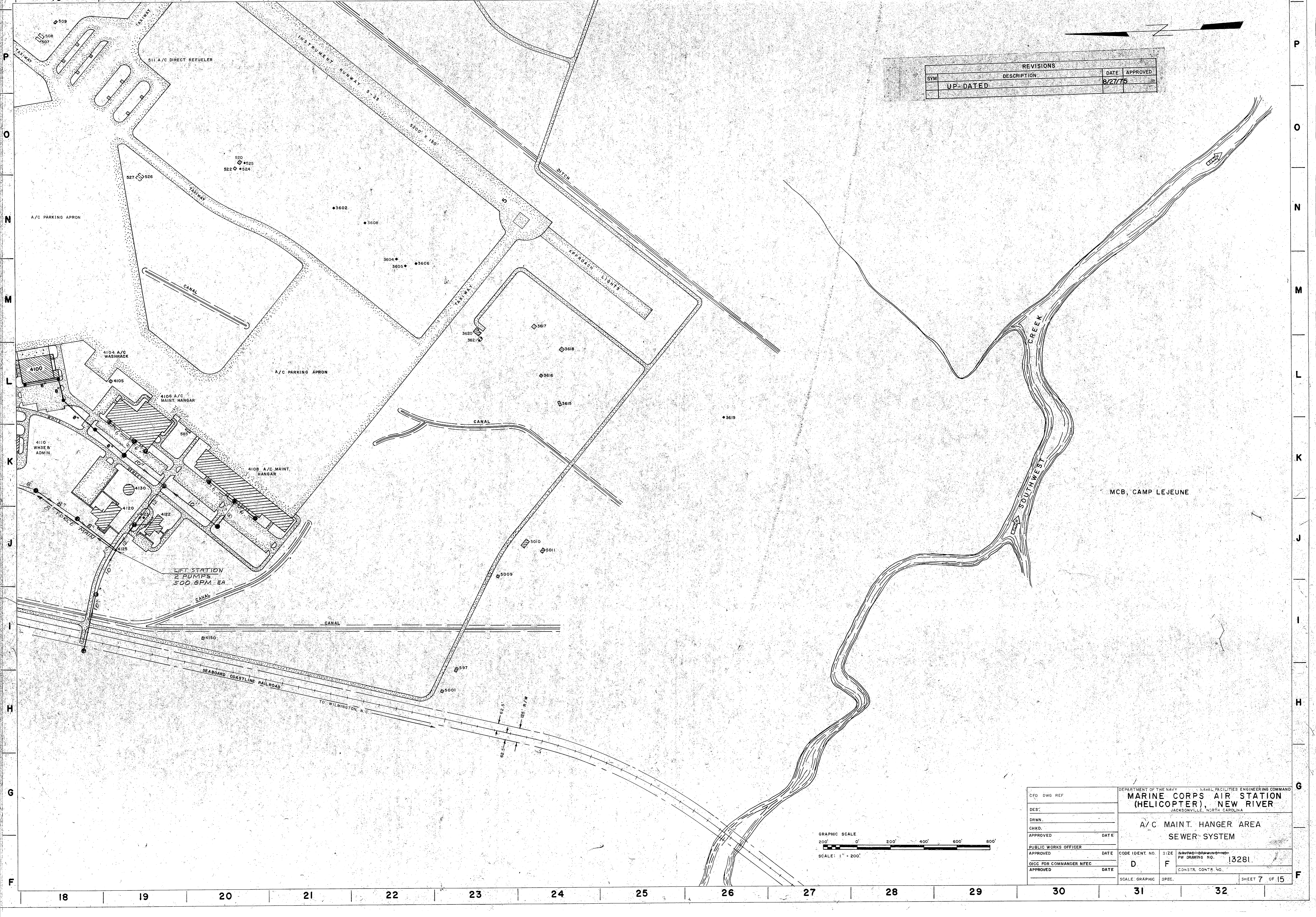
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
UP-DATED		8-27-75	



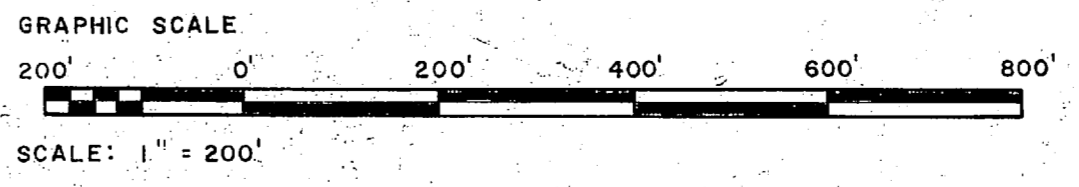
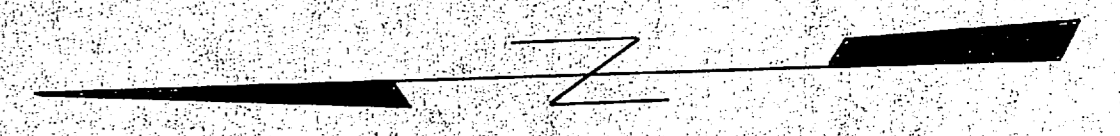
SITE LAY-OUT AT SEWAGE TREATMENT PLANT
SCALE: 1" = 20'



CFD DWG REF	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND		
DES.	MARINE CORPS AIR STATION (HELICOPTER), NEW RIVER		
DRWN.	JACKSONVILLE, NORTH CAROLINA		
CHKD.	BOQ AREA SEWER SYSTEM		
APPROVED	DATE	CODE IDENT. NO.	SIZE
PUBLIC WORKS OFFICER		D	F
APPROVED	DATE	CONSTR. CONTR. NO.	NAVFAC DRAWING NO. PW DRAWING NO. 13280
QICC FOR COMMANDER NFEC			
APPROVED	DATE		
SCALE: GRAPHIC		SPEC	
			SHEET 6 OF 15



REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
	UP-DATED	8/27/75	



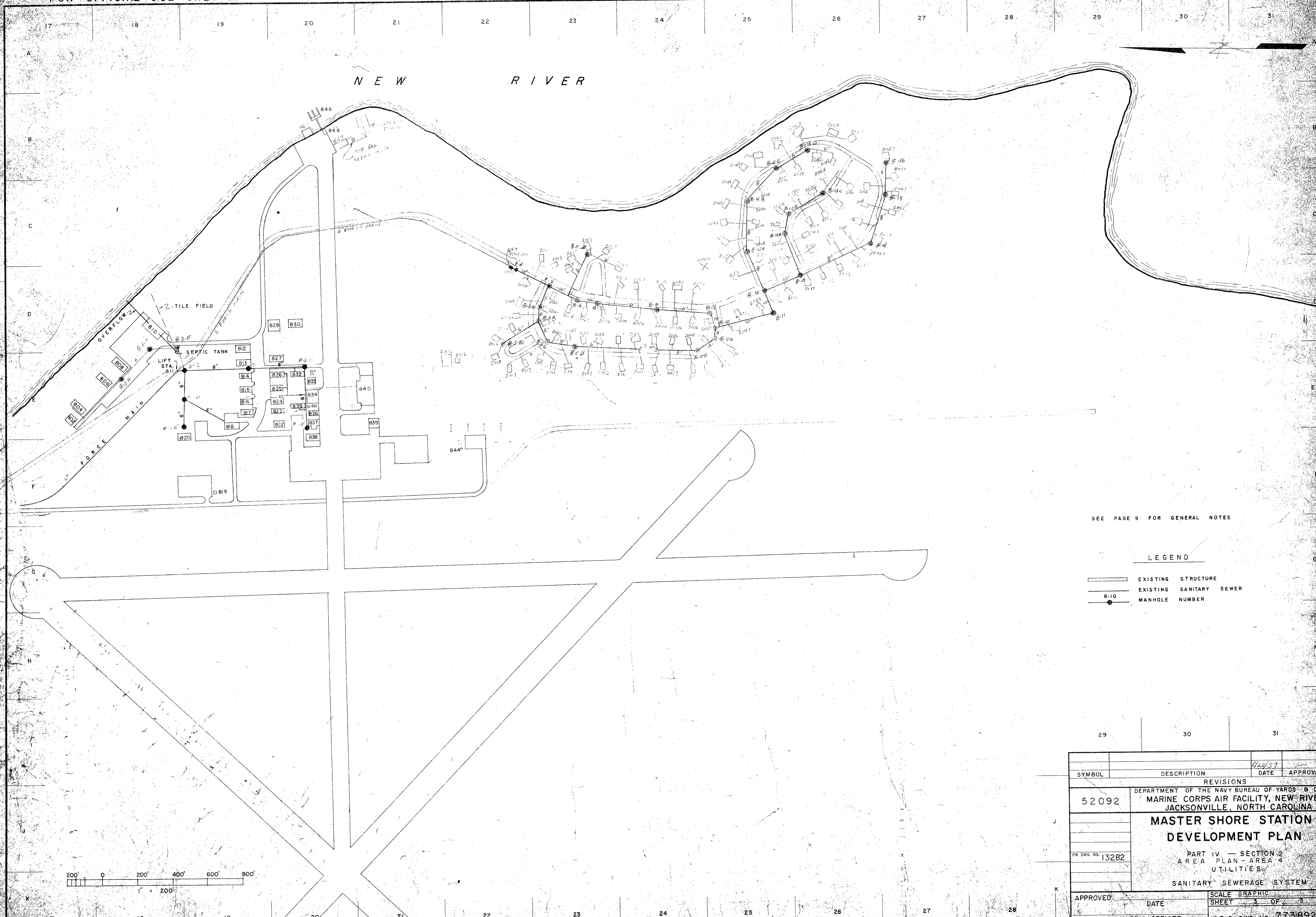
CFD DWG REF		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DES:		MARINE CORPS AIR STATION (HELICOPTER), NEW RIVER JACKSONVILLE, NORTH CAROLINA	
DRWN:		A/C MAINT. HANGER AREA SEWER SYSTEM	
CHKD:			
APPROVED		DATE	
PUBLIC WORKS OFFICER		DATE	CODE IDENT. NO.
APPROVED			D
DICC FOR COMMANDER NFEC		DATE	SIZE
APPROVED			F
			CONSTR. CONTR. NO.
			13281
SCALE: GRAPHIC		SPEC.	SHEET 7 OF 15

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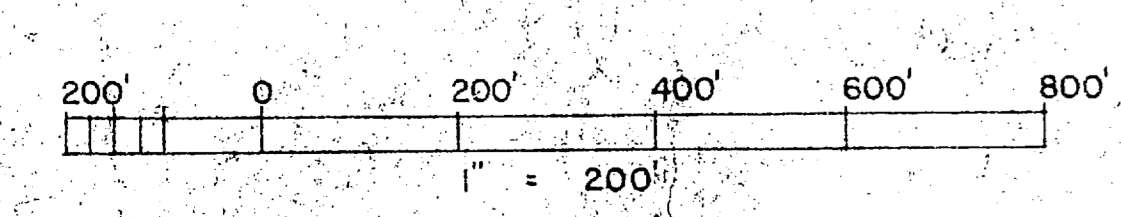
NEW RIVER



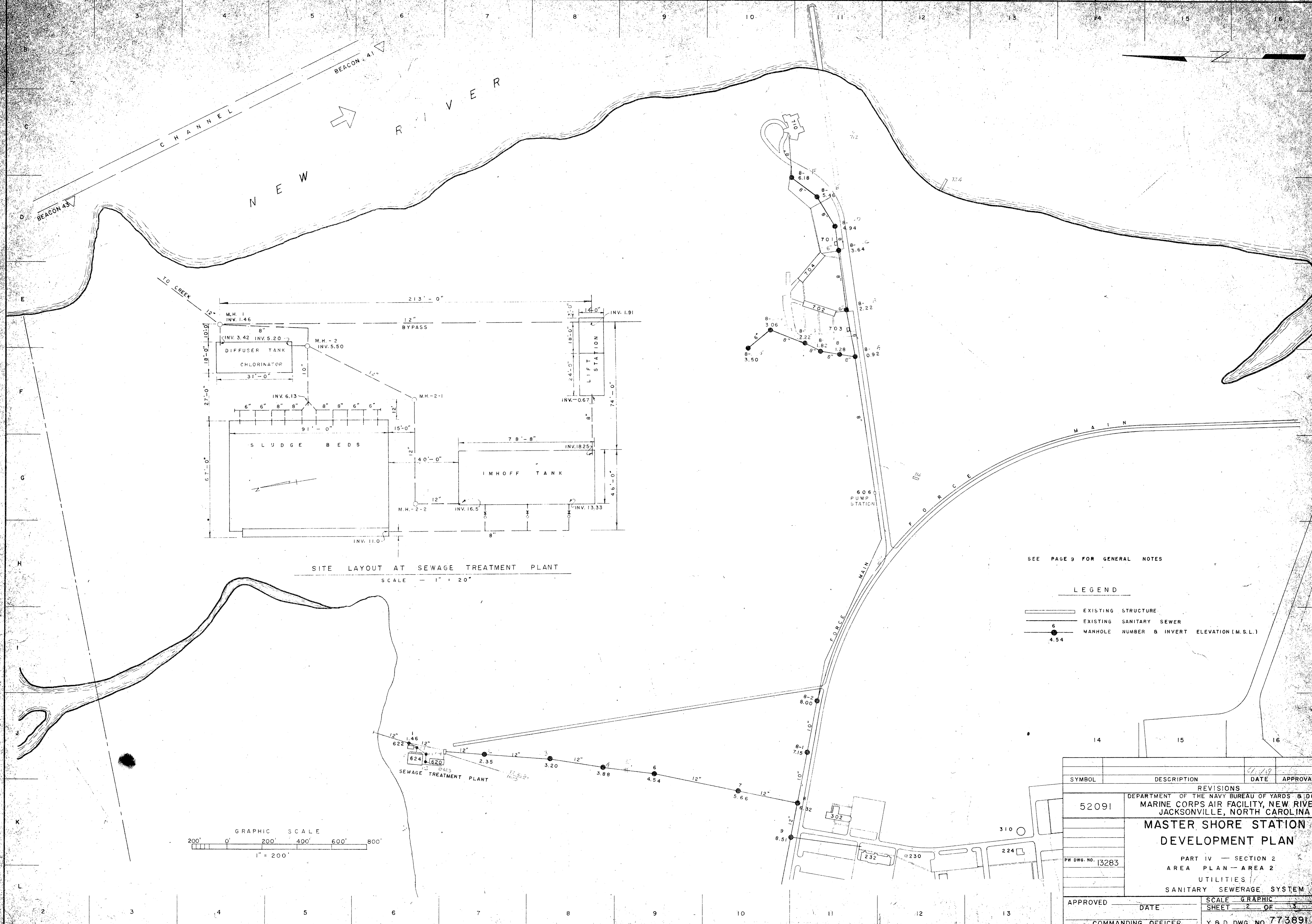
SEE PAGE 9 FOR GENERAL NOTES

LEGEND

- EXISTING STRUCTURE
- EXISTING SANITARY SEWER
- 8-10 MANHOLE NUMBER



SYMBOL	DESCRIPTION	DATE	APPROVAL
REVISIONS			
52092	DEPARTMENT OF THE NAVY BUREAU OF YARDS - 8 DOCKS MARINE CORPS AIR FACILITY, NEW RIVER JACKSONVILLE, NORTH CAROLINA	4/22/57	
MASTER SHORE STATION DEVELOPMENT PLAN			
PW DWG. NO. 13282	PART IV - SECTION 2 AREA PLAN - AREA 4 UTILITIES		
SANITARY SEWERAGE SYSTEM			
APPROVED	DATE	SCALE GRAPHIC	SHEET 3 OF 3
COMMANDING OFFICER	Y. B. D. DWG. NO. 773892		

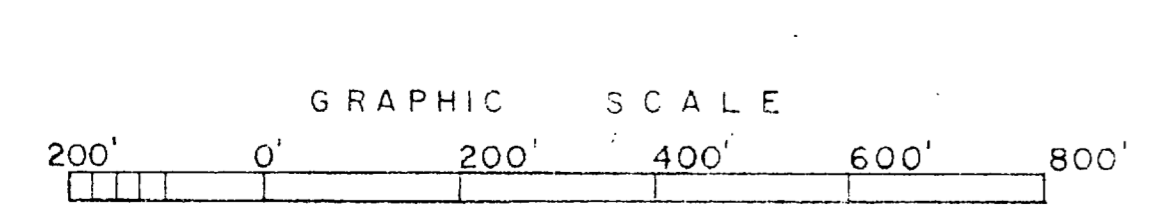


SEE PAGE 9 FOR GENERAL NOTES

LEGEND

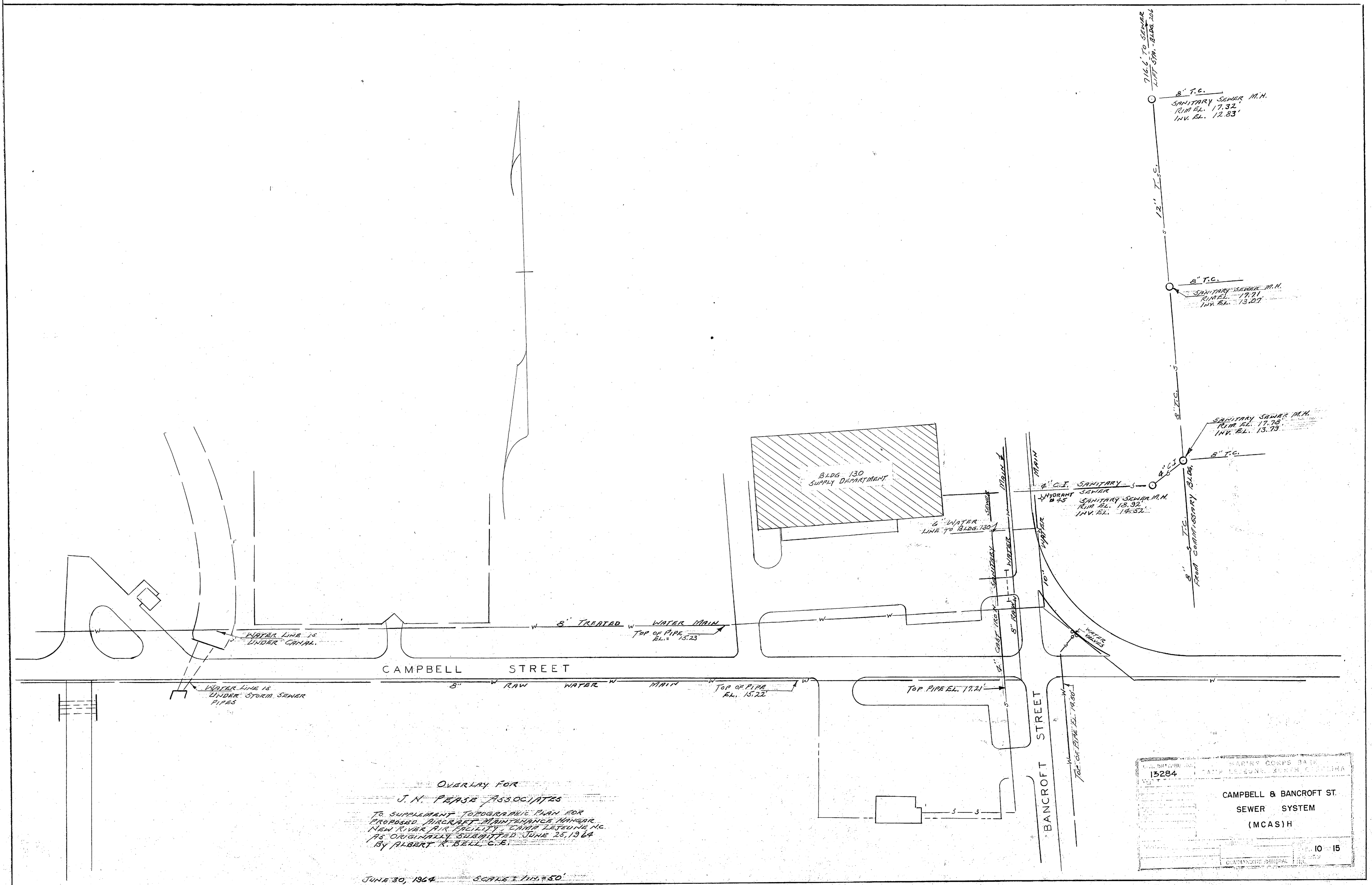
- EXISTING STRUCTURE
- EXISTING SANITARY SEWER
- MANHOLE NUMBER & INVERT ELEVATION (M.S.L.)

SYMBOL		DESCRIPTION	DATE	APPROVAL
REVISIONS				
52091		DEPARTMENT OF THE NAVY BUREAU OF YARDS & DOCKS MARINE CORPS AIR FACILITY, NEW RIVER JACKSONVILLE, NORTH CAROLINA	4/19	
MASTER SHORE STATION DEVELOPMENT PLAN				
PART IV — SECTION 2 AREA PLAN — AREA 2 UTILITIES SANITARY SEWERAGE SYSTEM				
APPROVED		DATE	SCALE GRAPHIC SHEET 2 OF 3	
COMMANDING OFFICER			Y & D. DWG. NO. 773891	



SITE LAYOUT AT SEWAGE TREATMENT PLANT
SCALE — 1" = 20'



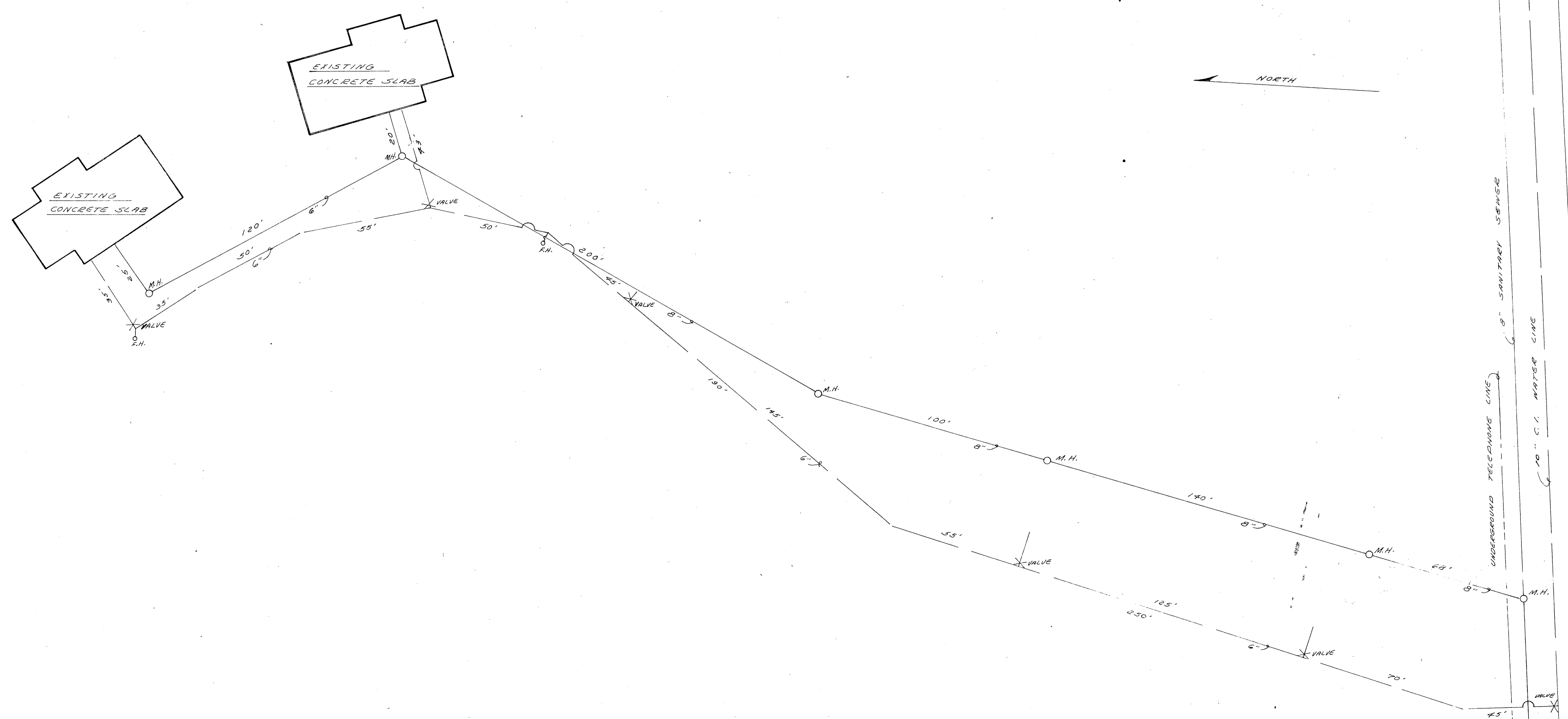


OVERLAY FOR
 J. N. PEASE ASSOCIATES
 TO SUPPLEMENT TOPOGRAPHIC PLAN FOR
 PROPOSED PLACEMINT AND MAINTENANCE HANGAR
 NEAR TO VAN PINE FACILITY, CAMP LEJEUNE, NC.
 AS ORIGINALLY SUBMITTED JUNE 25, 1964
 BY ALBERT R. BELL, C.E.

JUNE 30, 1964 SCALE 1/4" = 50'

15284	MARKS CORP. 3474
CAMPBELL & BANCROFT ST.	
SEWER SYSTEM	
(MCAS)H	
10	15

B.E.Q.
BLDG. 702



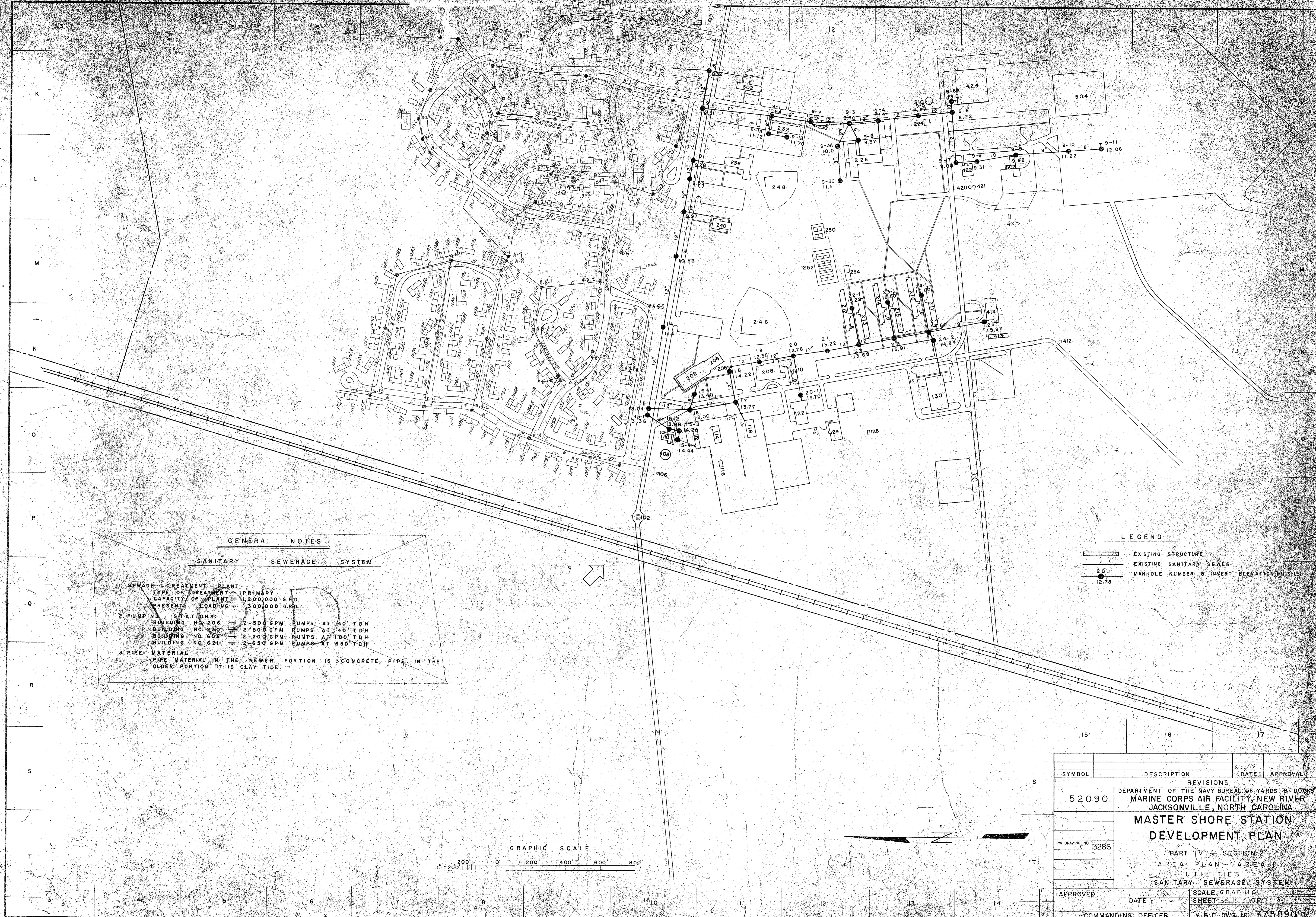
B. O. Q. AREA - TENT CITY SEWER SYSTEM

MCAS NEW RIVER, N.C.

PW DRAWING NO. 13285

SHEET 11 OF 15

2



GENERAL NOTES

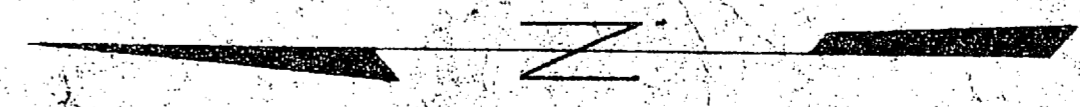
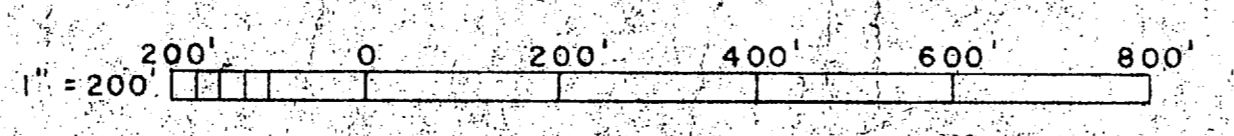
SANITARY SEWERAGE SYSTEM

1. SEWAGE TREATMENT PLANT
 TYPE OF TREATMENT - PRIMARY
 CAPACITY OF PLANT - 1,200,000 G.P.D.
 PRESENT LOADING - 300,000 G.P.D.
2. PUMPING STATIONS
 BUILDING NO. 206 - 2-500 GPM PUMPS AT 40' TDH
 BUILDING NO. 230 - 2-500 GPM PUMPS AT 40' TDH
 BUILDING NO. 608 - 2-200 GPM PUMPS AT 100' TDH
 BUILDING NO. 621 - 2-650 GPM PUMPS AT 650' TDH
3. PIPE MATERIAL
 PIPE MATERIAL IN THE NEWER PORTION IS CONCRETE PIPE IN THE
 OLDER PORTION IT IS CLAY TILE.

LEGEND

- EXISTING STRUCTURE
- EXISTING SANITARY SEWER
- MANHOLE NUMBER & INVERT ELEVATION (IN FEET)

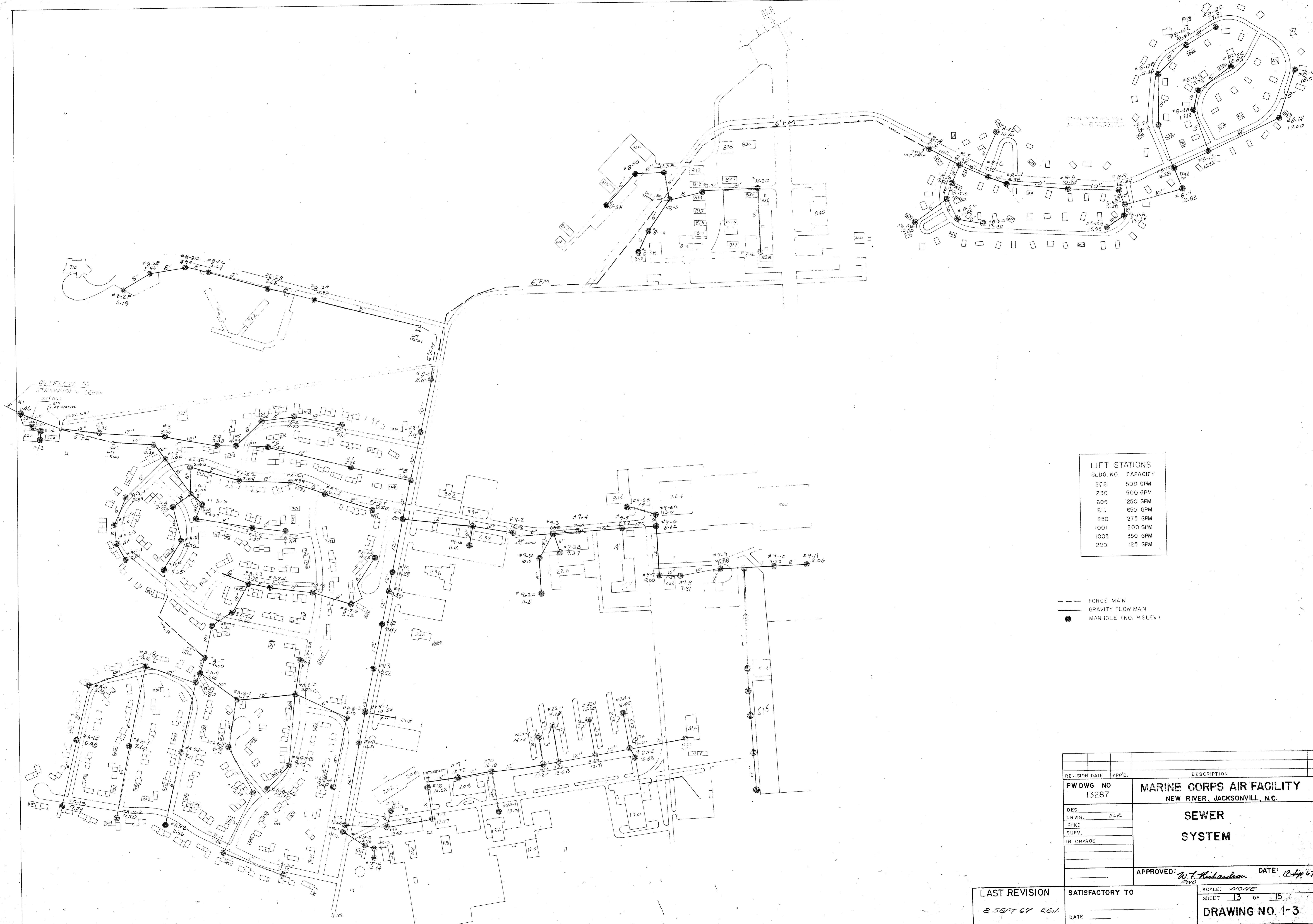
GRAPHIC SCALE



SYMBOL		DESCRIPTION	DATE	APPROVAL
REVISIONS				
52090		DEPARTMENT OF THE NAVY BUREAU OF YARDS & DOCKS MARINE CORPS AIR FACILITY, NEW RIVER JACKSONVILLE, NORTH CAROLINA		
MASTER SHORE STATION DEVELOPMENT PLAN				
PART IV - SECTION 2 AREA PLAN - AREA UTILITIES SANITARY SEWERAGE SYSTEM				
APPROVED		DATE		SCALE GRAPHIC
COMMANDING OFFICER				SHEET 1 OF 3
				Y & D DWG NO. 773890

PW DRAWING NO. 13286

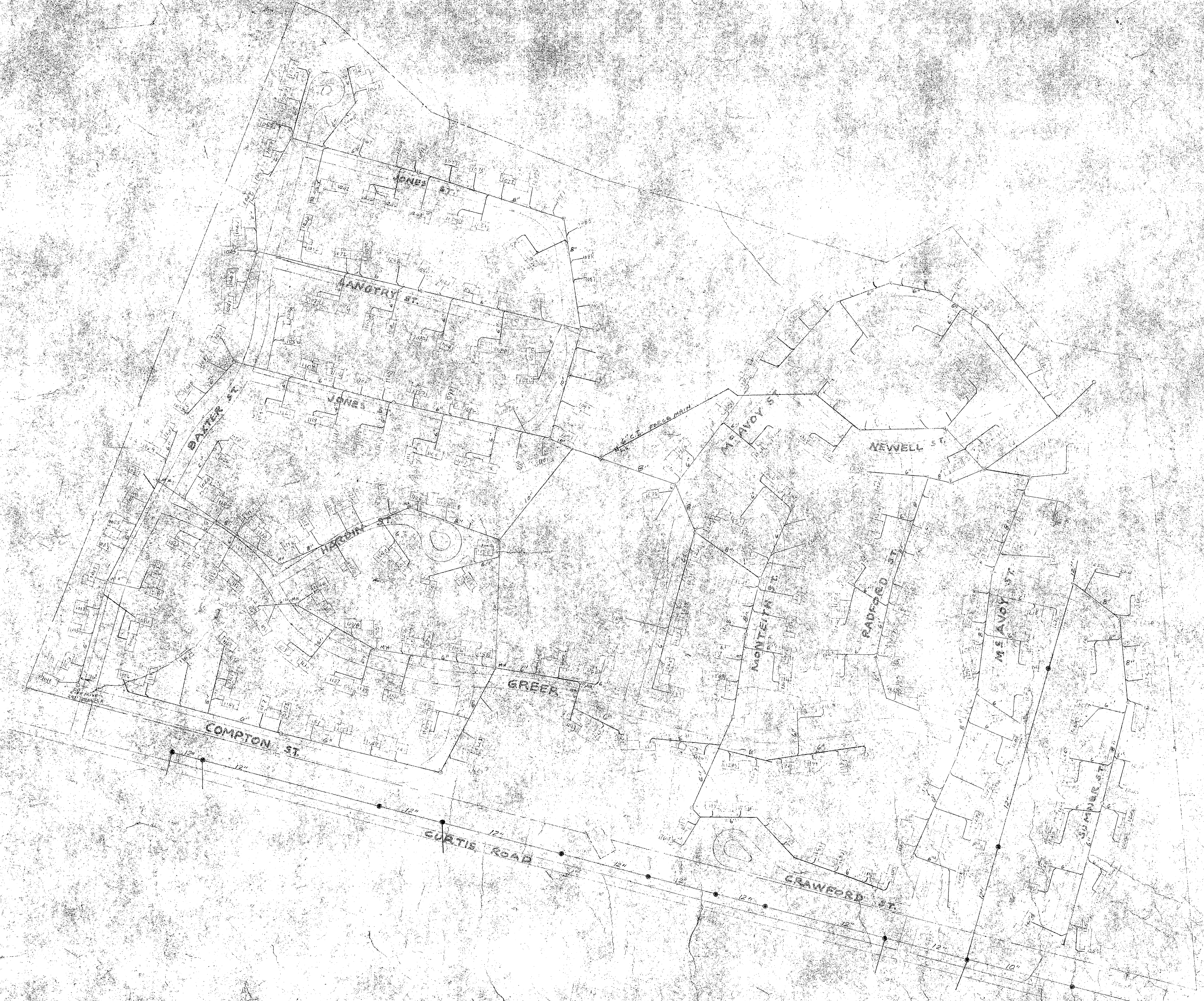




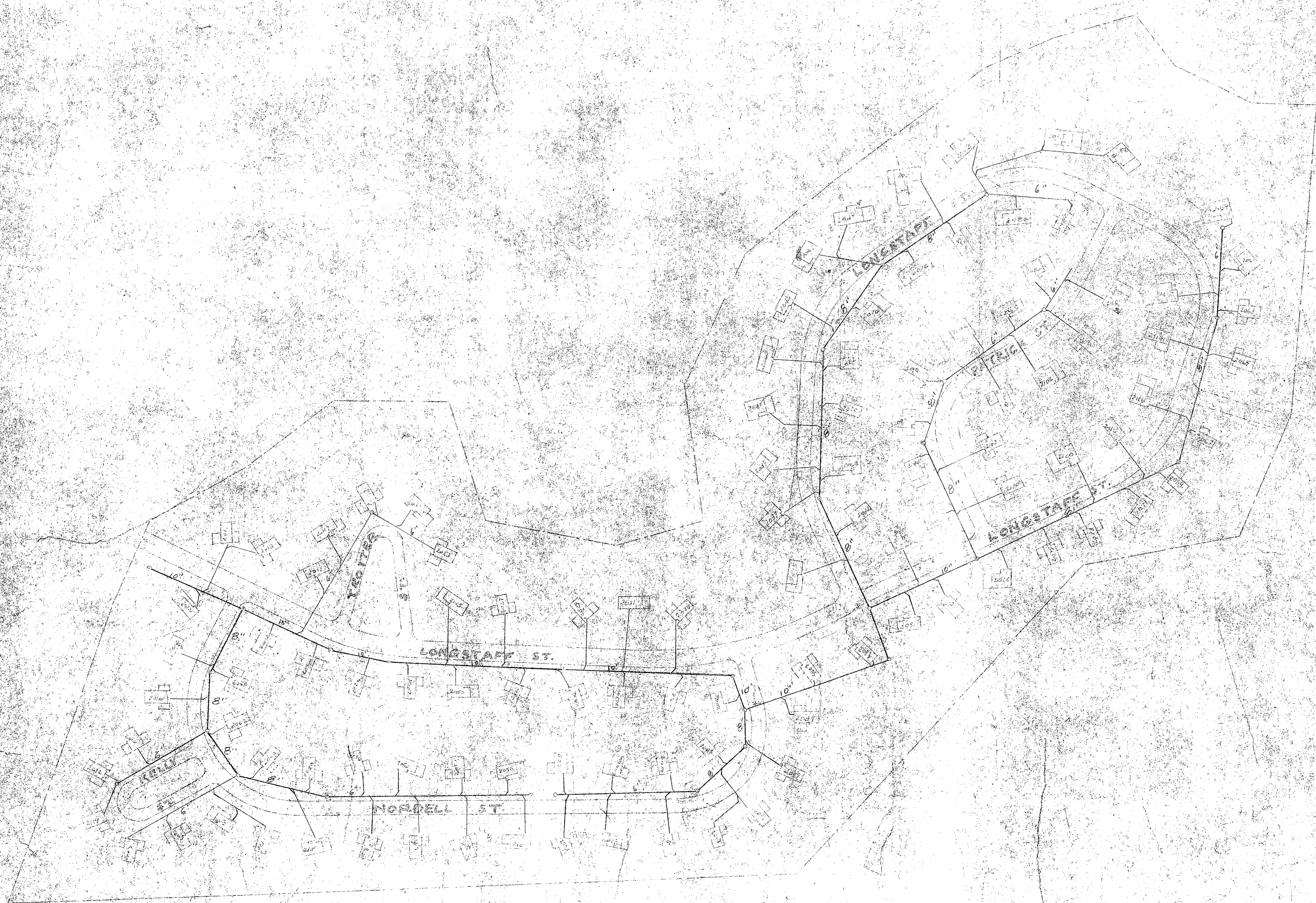
LIFT STATIONS	
BLDG. NO.	CAPACITY
206	500 GPM
230	500 GPM
606	250 GPM
611	650 GPM
850	275 GPM
1001	200 GPM
1003	350 GPM
2001	125 GPM

- - - - - FORCE MAIN
 _____ GRAVITY FLOW MAIN
 ● MANHOLE (NO. SELEV)

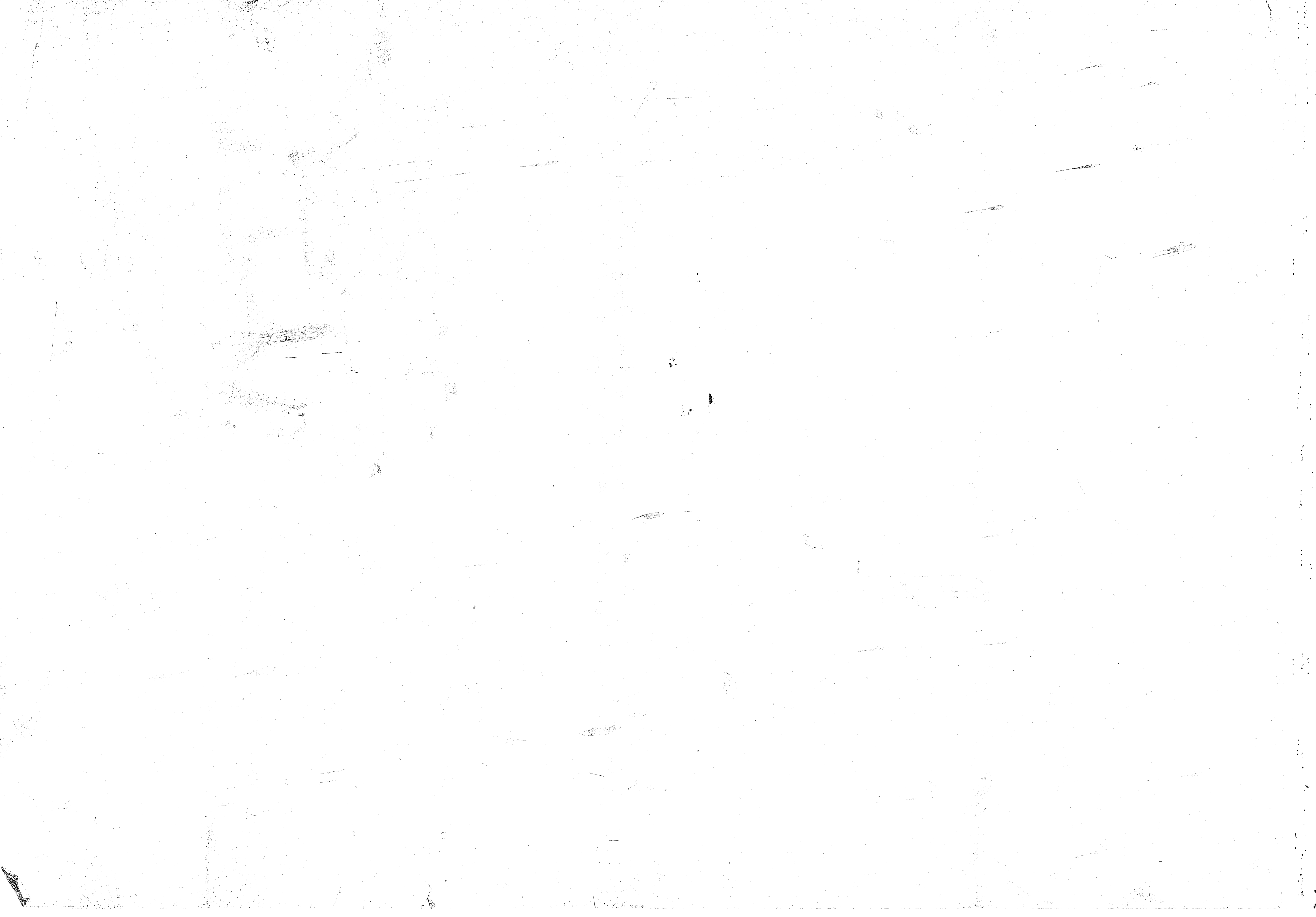
REVISION DATE	APPD.	DESCRIPTION
PWDWG NO 13287		MARINE CORPS AIR FACILITY NEW RIVER, JACKSONVILLE, N.C.
DES.	ELR	SEWER SYSTEM
CHKD.		
SUPV.		
IN CHARGE		
APPROVED: <i>W. F. Richardson</i>		DATE: <i>10 Sep 67</i>
LAST REVISION <i>8 SEPT 67 EGU</i>		SATISFACTORY TO
DATE _____		SCALE: <i>NONE</i>
		SHEET <i>13</i> OF <i>15</i>
		DRAWING NO. <i>1-3</i>

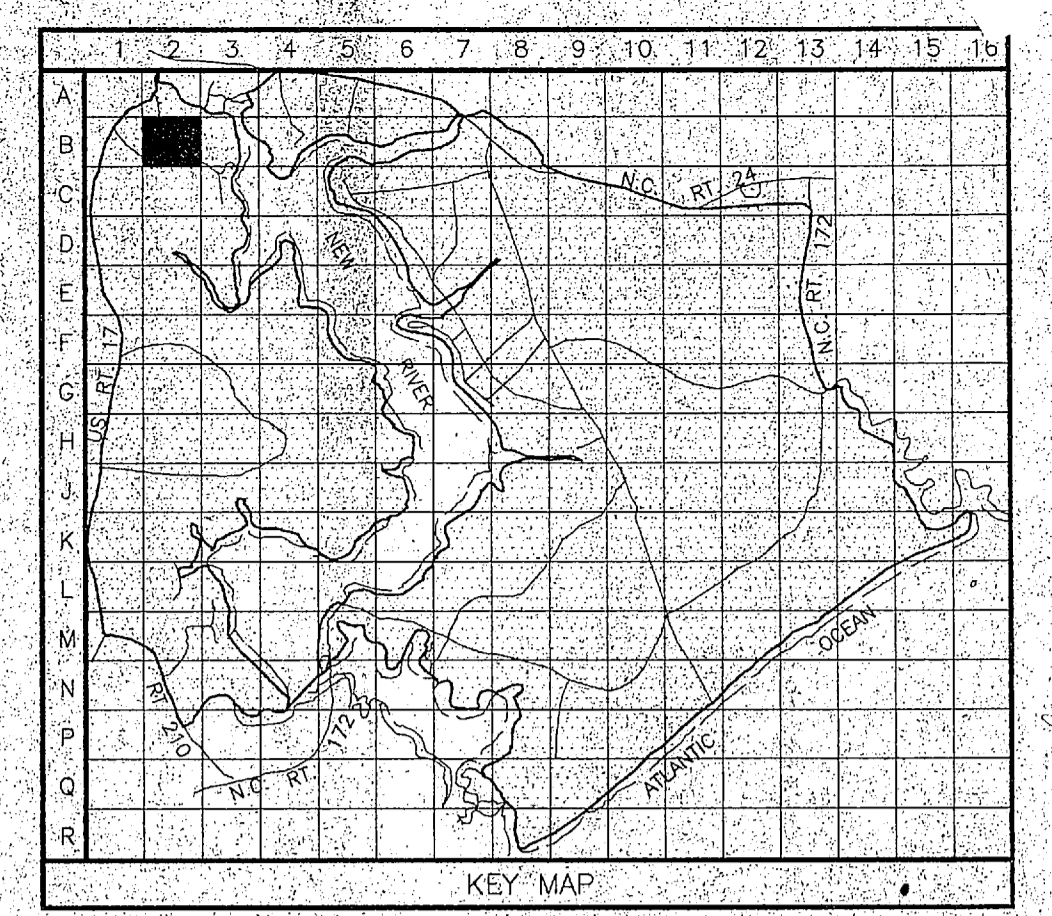


MCAF NEW RIVER
MEMO
SEWER SYSTEM

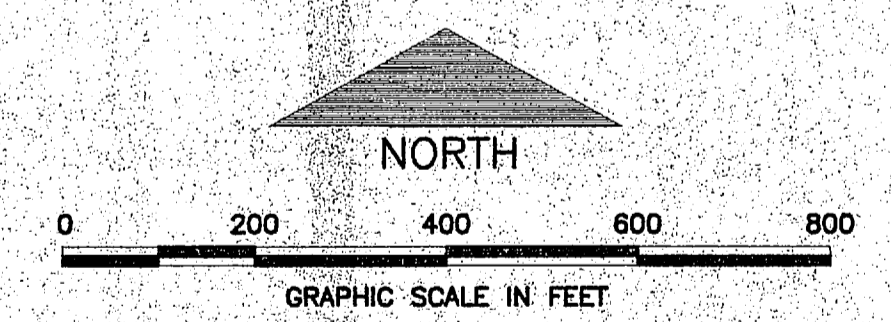


MCCAF NEW RIVER
M.C.O.
SEWER SYSTEM



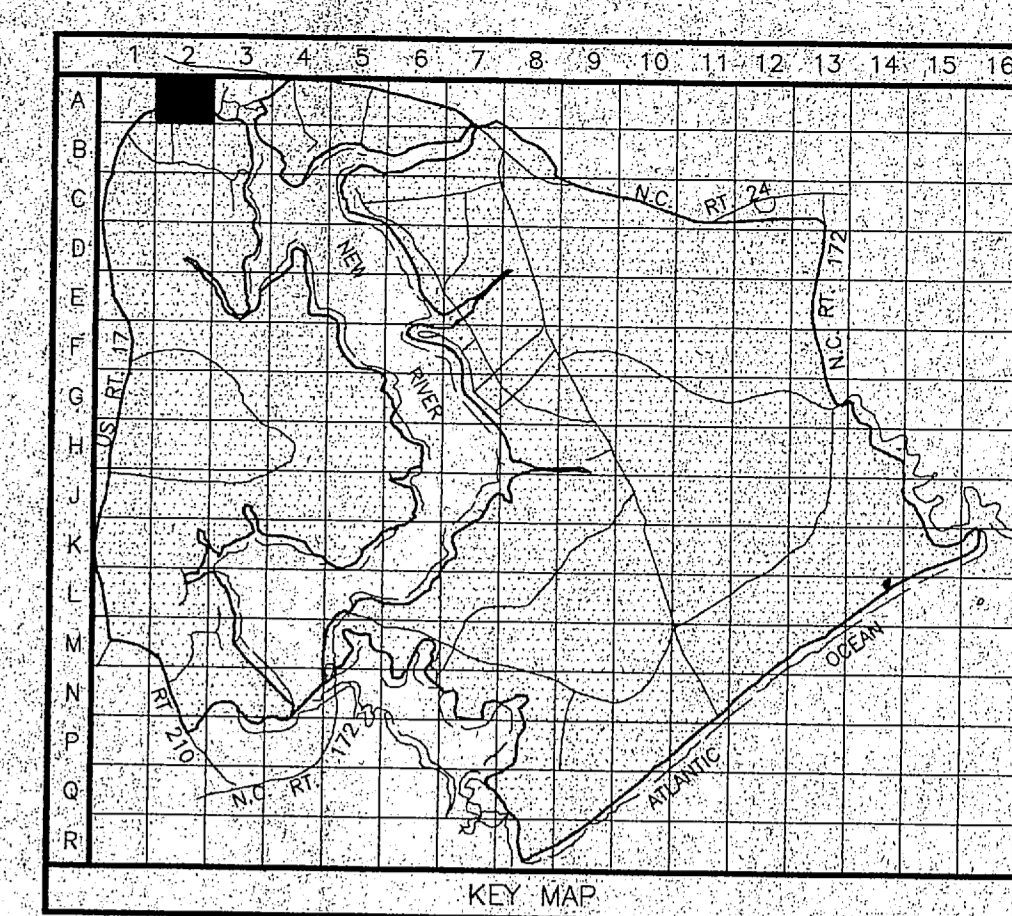
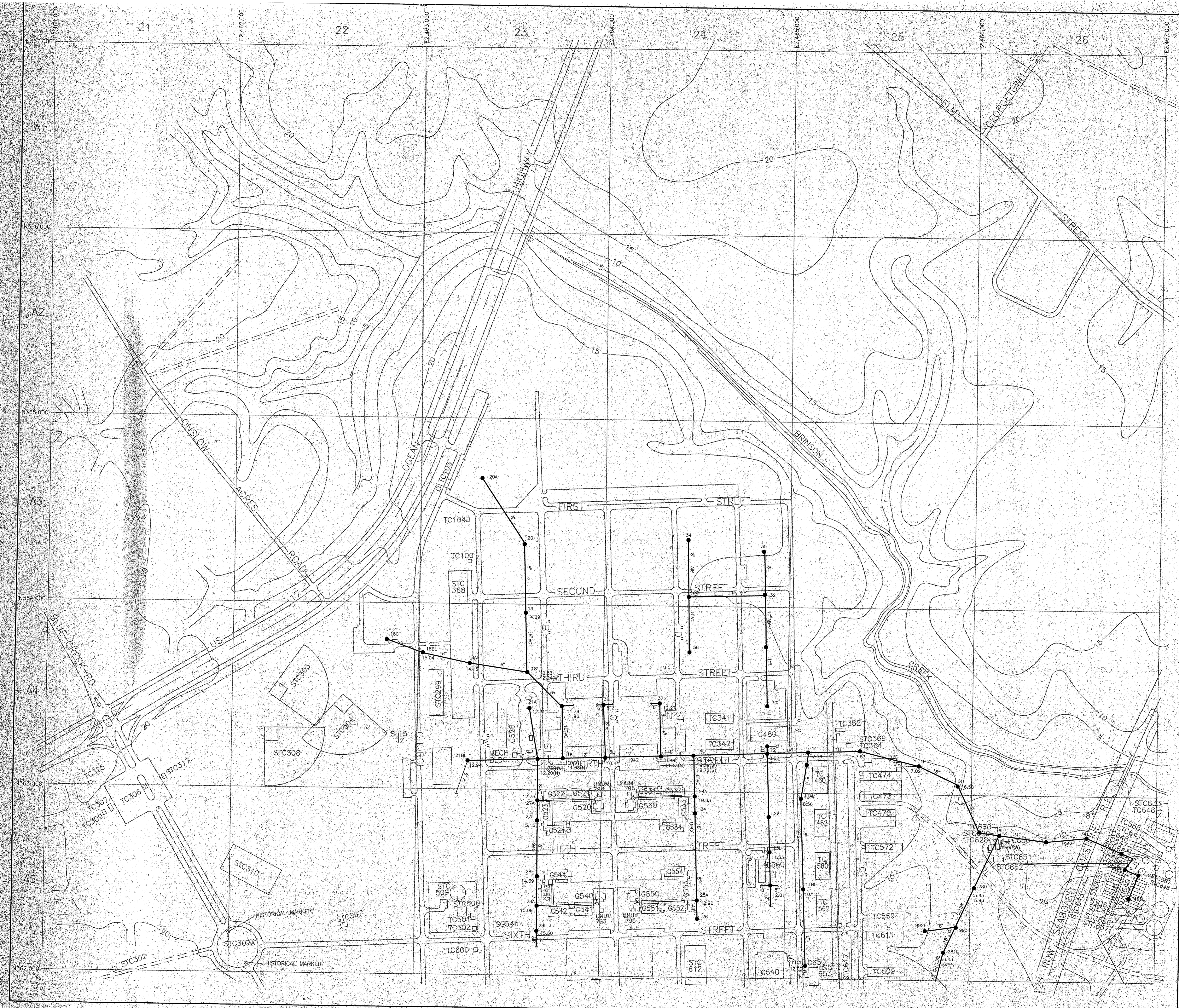


- LEGEND**
- BUILDINGS AND STRUCTURES
 - ROADS AND HIGHWAYS
 - ROADS (Unpaved)
 - FENCE
 - 5' CONTOUR (Source - USGS Maps)
 - AIR STATION BOUNDARY
 - SANITARY SEWER
 - MANHOLE
 - SEWAGE PUMPING STATION
 - OIL/WATER SEPARATOR
 - SERVICE LINE
 - FORCE MAIN



B-2

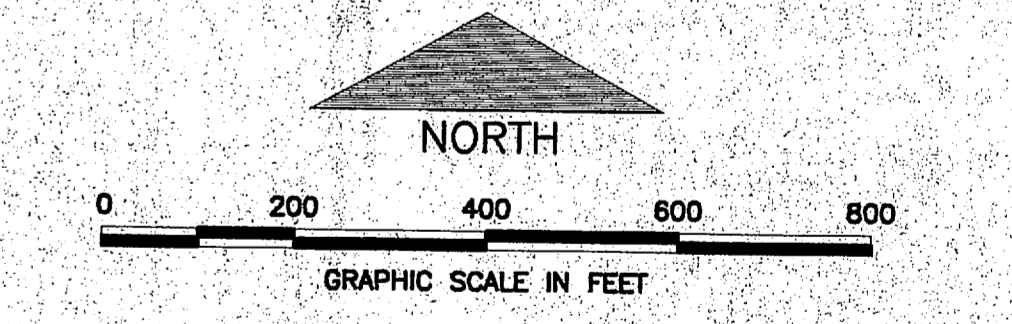
NO.	DESCRIPTION OF REVISION	DATE	INT.
DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA			
WASTEWATER COLLECTION SYSTEM EXISTING CONDITIONS			
DATE:	SCALE: GRAPHIC	SHEET	OF
APPROVED/DATE:			



- LEGEND**
- BUILDINGS AND STRUCTURES
 - ROADS AND HIGHWAYS
 - ROADS (Unpaved)
 - FENCE
 - 5' CONTOUR (Source - USGS Maps)
 - RESERVATION BOUNDARY
 - HELICOPTER LANDING ZONE
 - SANITARY SEWER
 - MANHOLE
 - FORCE MAIN
 - ABANDONED IN PLACE
 - SERVICE LINE

MATERIAL OF CONSTRUCTION
 RC - REINFORCED CONCRETE
 VC - VITRIFIED CLAY

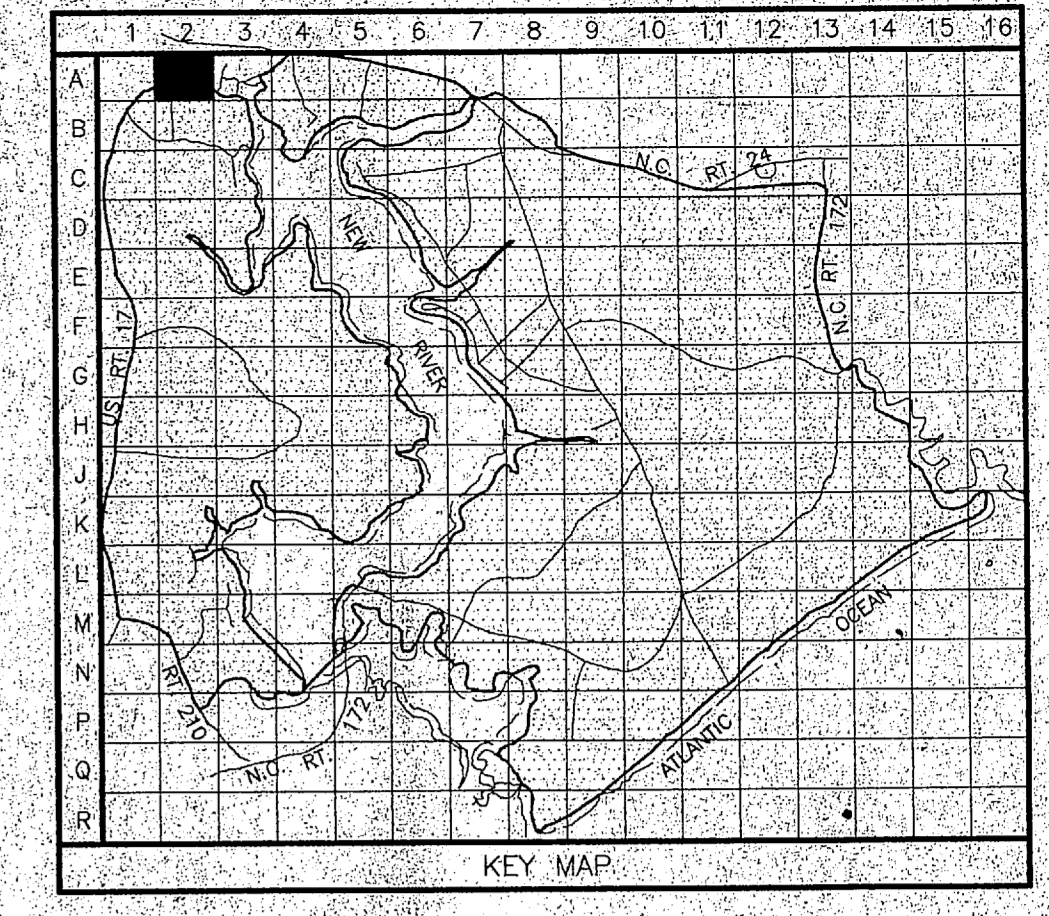
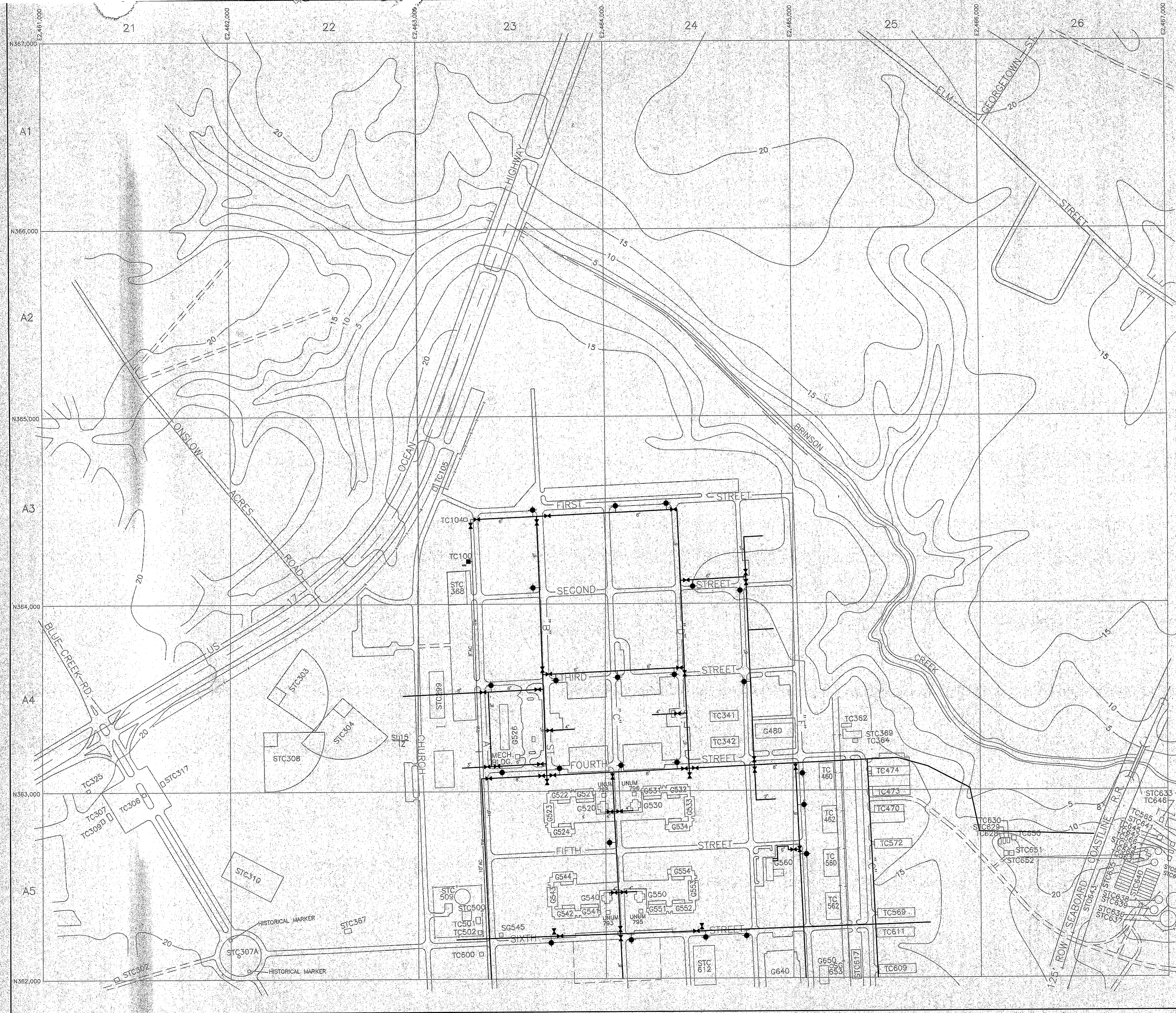
NOTES:
 ALL GRAVITY SEWERS ARE TERRA COTTA UNLESS NOTED OTHERWISE.



A-2

NO.	DESCRIPTION OF REVISION	DATE	INT.
DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA			
WASTEWATER COLLECTION SYSTEM EXISTING CONDITIONS			
DATE:	SCALE: GRAPHIC	SHEET	OF
APPROVED/DATE:			

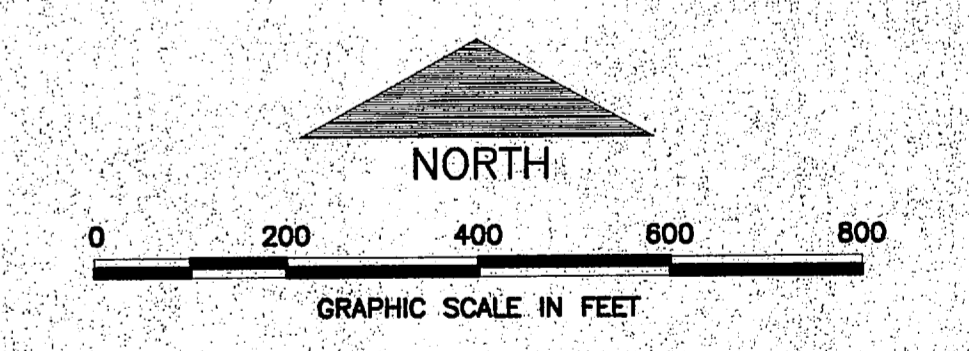




- LEGEND**
- BUILDINGS AND STRUCTURES
 - ROADS AND HIGHWAYS
 - ROADS (Unpaved)
 - FENCE
 - 5' CONTOUR (Source - USGS Maps)
 - RESERVATION BOUNDARY
 - HELICOPTER LANDING ZONE
 - POTABLE WATER MAIN
 - RAW WATER MAIN
 - VALVE
 - FIRE HYDRANT
 - WATER WELL
 - WATER METER
 - AIR RELEASE VALVE

MATERIALS OF CONSTRUCTION:
 AC - ASBESTOS CEMENT

NOTES:
 ALL WATER MAINS ARE CAST IRON UNLESS NOTED OTHERWISE.



A-2

NO.	DESCRIPTION OF REVISION	DATE	INT.
DEPARTMENT OF THE NAVY MARINE CORPS BASE CAMP LEJEUNE, NORTH CAROLINA			
WATER DISTRIBUTION SYSTEM EXISTING CONDITIONS			
DATE:	SCALE: GRAPHIC	SHEET	OF
APPROVED/DATE:			

