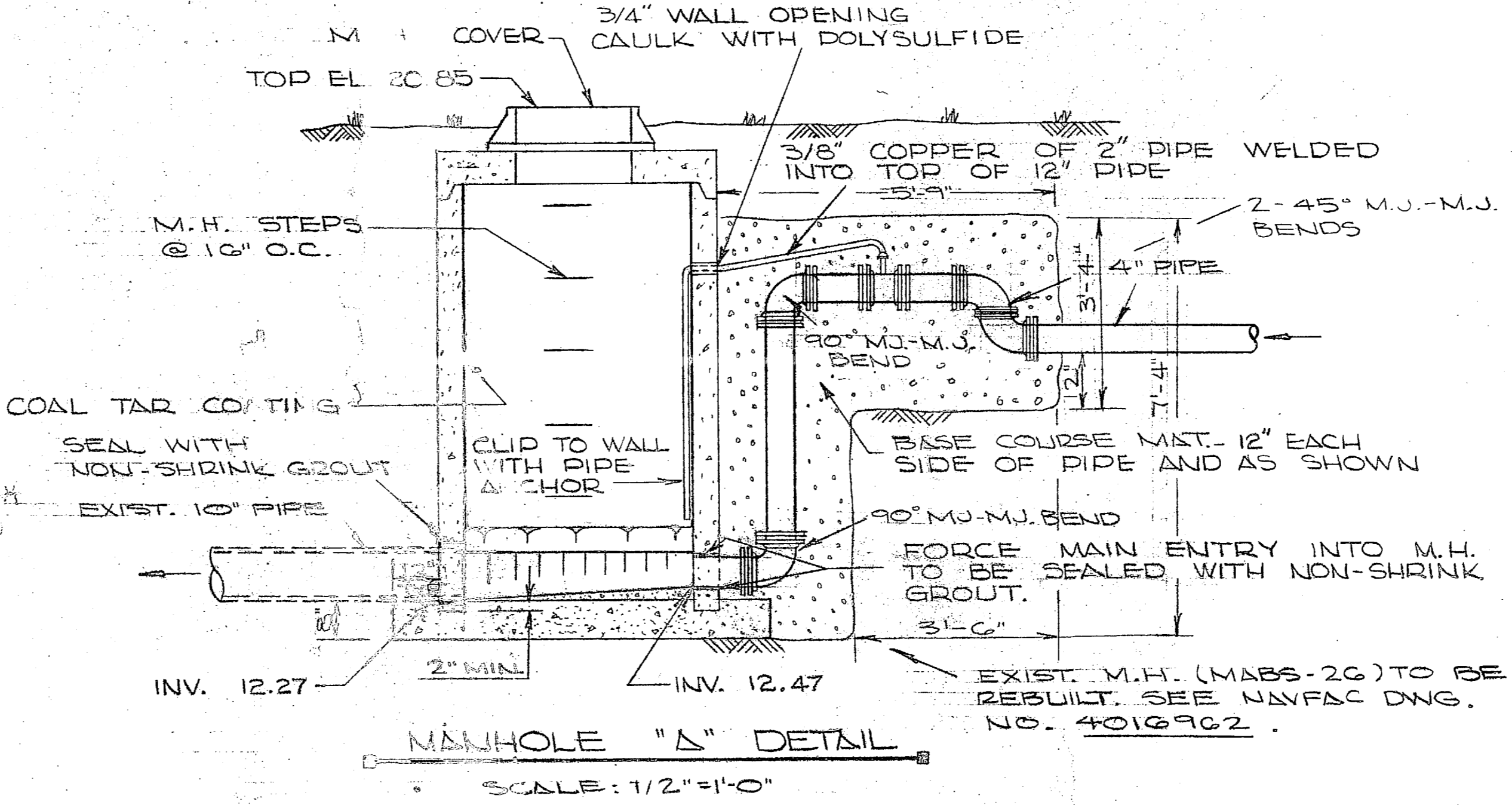
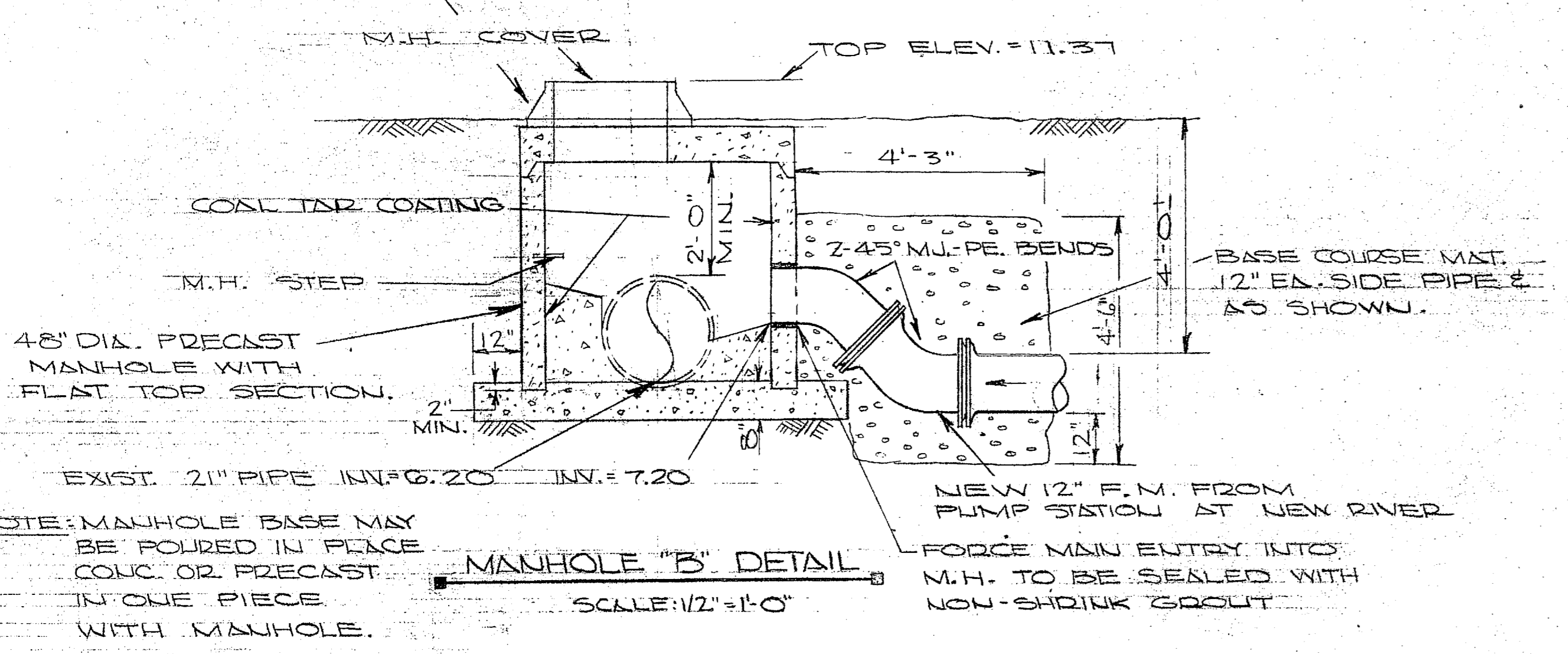


EXIST. M.H. (CAMP GEIGER)
TO BE REBUILT. SEE
NAVAFAC DNG. NO. 4016943



ABBREVIATIONS

A.	AMPS	IN.	INCH
B.T.	BITUMINOUS	M.N.	MANHOLE
BLDG.	BUILDING	M.H.	MANHOLE
C.B.	CATCH BASIN	M.N.	MANHOLE
C.C.	CENTER-TO-CENTER	U.E.C.	UNDERGROUND POWER LINE
C.M.U.	CONCRETE MASONRY UNIT	N.C.	NOTED
C.I.	CAST IRON	O.C.	ON CENTER
C.O.	CLEAN OUT	OPUG.	OPENING
CONC.	CONCRETE	P	PIPE
CONV.	CONNECTION	PP	PRECAST
CONT.	CONTINUOUS	PREP.B.	PREPARED
D.I.	DOWN INLET	PR	PIPE
DN.	DOWN	PAV.	PAVEMENT
DWG.	DRAWING	REICE.	REINFORCED
EA.	EACH	SAL.	SAND
ELEC.	ELECTRICAL	S.D.	SEWER
ELECT.	ELECTRICAL	SE	SEWER
EL.	ELEVATION	SHT.	SHOULDER
ELEV.	ELEVATION	SQ.	SQUARE
ENCL.	ENCLOSURE	STA.	STATION
E/P	EDGE OF PAVEMENT	STD.	STANDARD
E.W.	EACH WAY	STL.	STEEL
EXIST.	EXISTING	STM.	STEAM
F.D.	FLOOR DRAIN	SW.	SWITCH
F.H.	FIRE HYDRANT	TEL.	TELEPHONE
FIN.	FINISHED	TYR.	TYPICAL
FL.	FLOOR	T	TOP
F.R.P.	FIBER REINFORCED PLASTIC	V.	VOLTS
F.M.	FORCE MAIN	VOLT.	VOLTAGE
F.W.	FRESH WATER	VERT.	VERTICAL
HORIZ.	HORIZONTAL	W.	WITH
H.P.S.	HIGH PRESSURE STEAM	ALUM.	ALUMINUM
I.D.	INTERNAL DIA.	APPROX.	APPROXIMATE
SECT.	SECTION	LOC.	LOCATION
ST.	STARTER	DAD.	DIAMETER
3/2.	BREAKER	DM.	DOOR
FR.	FRAME	CHLOR.	CHLORINE
MFD.	MANUFACTURED	G.V.	GATE VALVE
MTD.	MOUNTED	TREAT.	TREATMENT
PL.	PLUMBING	R.O.W.	RIGHT-OF-WAY
SP.	SPACES	R.D.	RAILROAD
SECT.	SECTION	C.L.	CENTER LINE
T/B	TOP OF BANK	MAT.	MATERIAL
CAT.	CIRCUIT	INC.	INCREASED
CEM.	CEMENT	RED.	REDUCED
		G.V.	GATE VALVE
		C.V.	CHECK VALVE
		CAND.	CONDENSATION
		P/B	PUSH BUTTON
		P/B	PANEL BOARD
		A.F.	ABOVE FLOOR
		O.H.	OVERHEAD
		F.C.	FOOT CANDLES
		PL.	PLATE
		DPST	DOUBLE POLE
		DPDT	DOUBLE POLE, DOUBLE THROW

NOTE: MANHOLE BASE MAY BE POURED IN PLACE CONC. OR PRECAST IN ONE PIECE WITH MANHOLE.

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

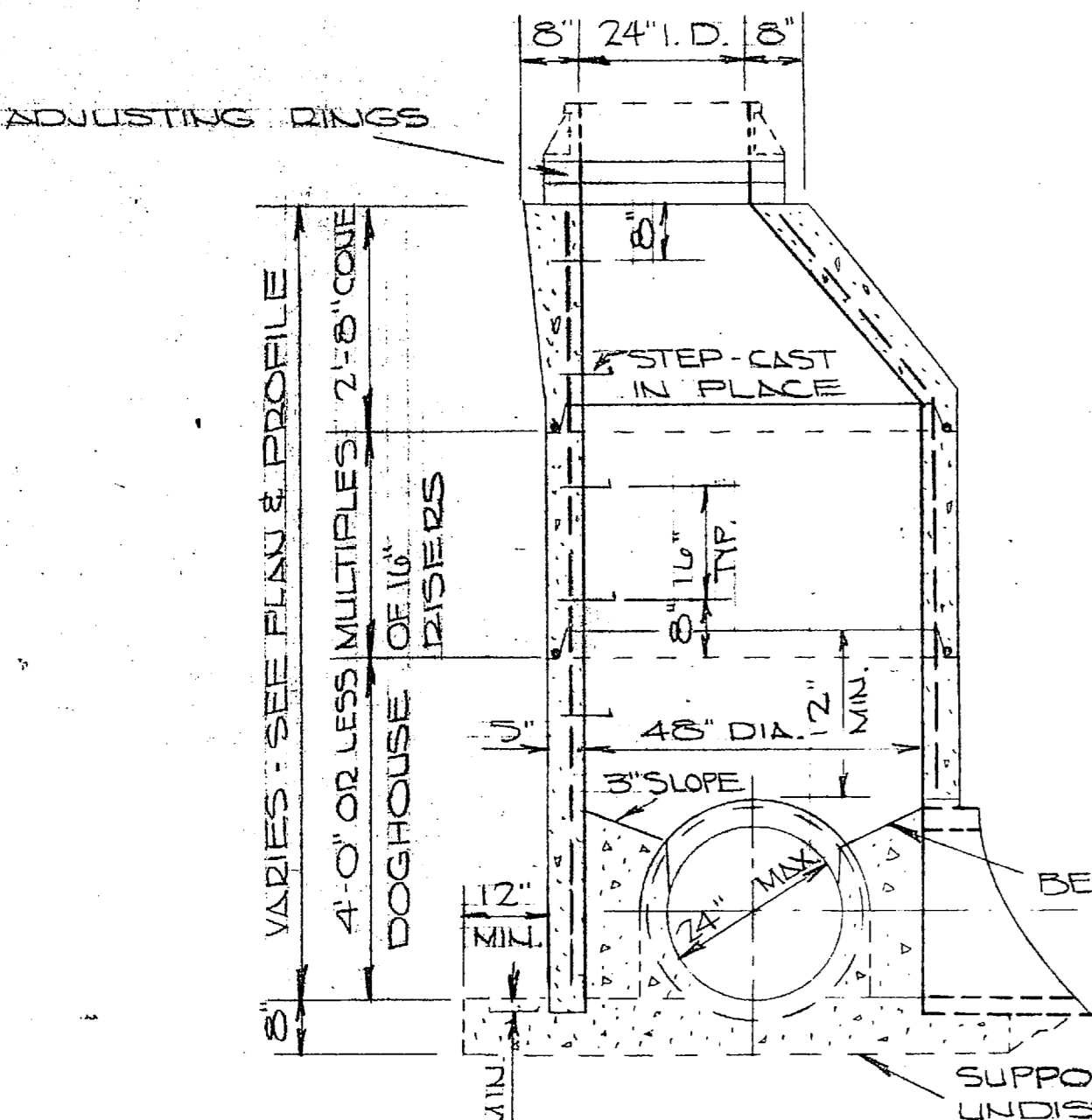
MANHOLE 'A' DETAIL
SCALE: 1/2" = 1'-0"

NOTE: SEE NAVAFAC DNG. NO. 4016961 FOR M.H. A # D.

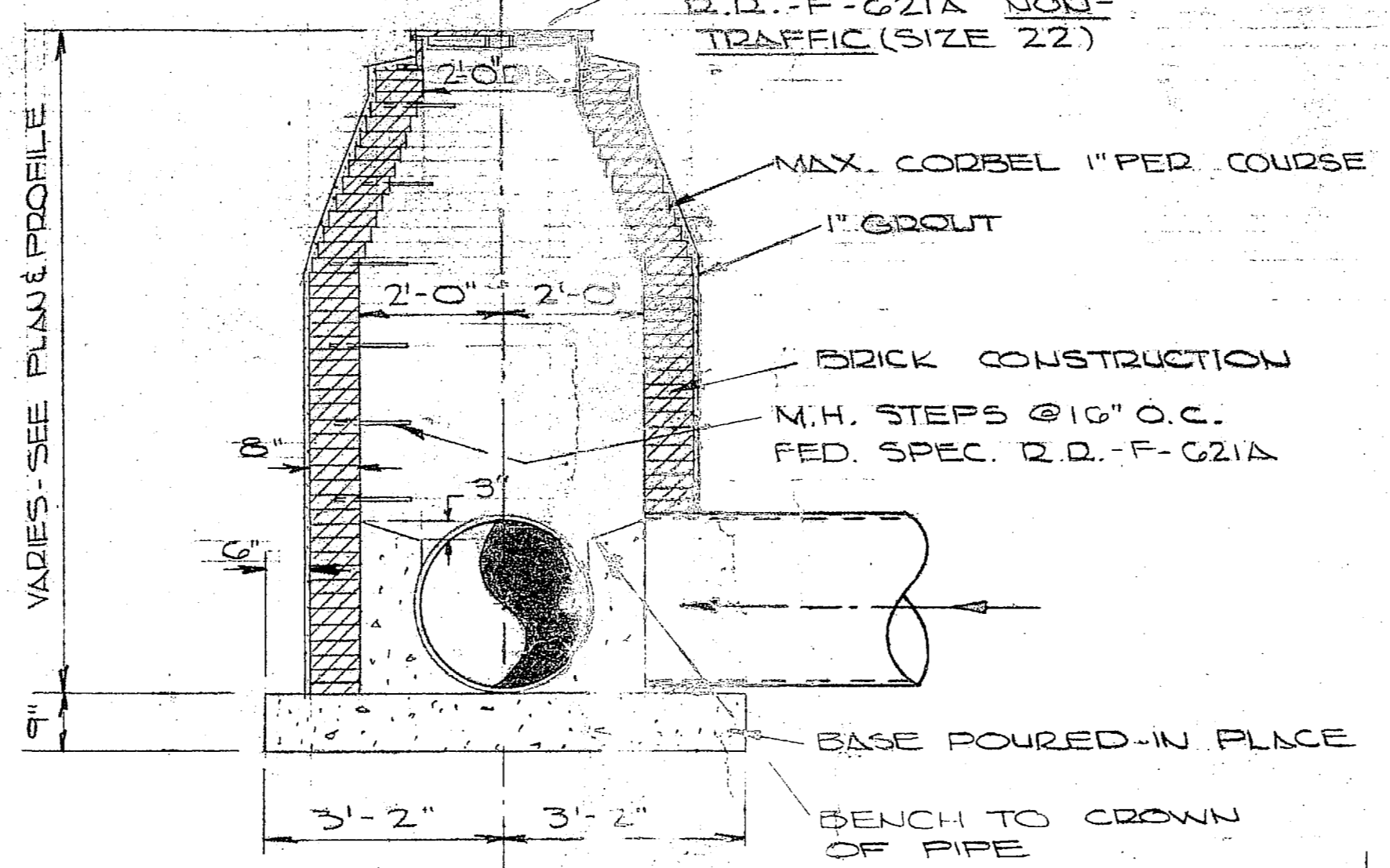
INDICATES LAST 2 DIGITS OF NAVAFAC DNG. NO. ON WHICH SECT. IS CUT.

SECTION IDENTIFICATION SYMBOL
INDICATES LAST 2 DIGITS OF NAVAFAC DNG. NO. ON WHICH SECT. IS DRAWN.

CUTTING PLANE SYMBOL

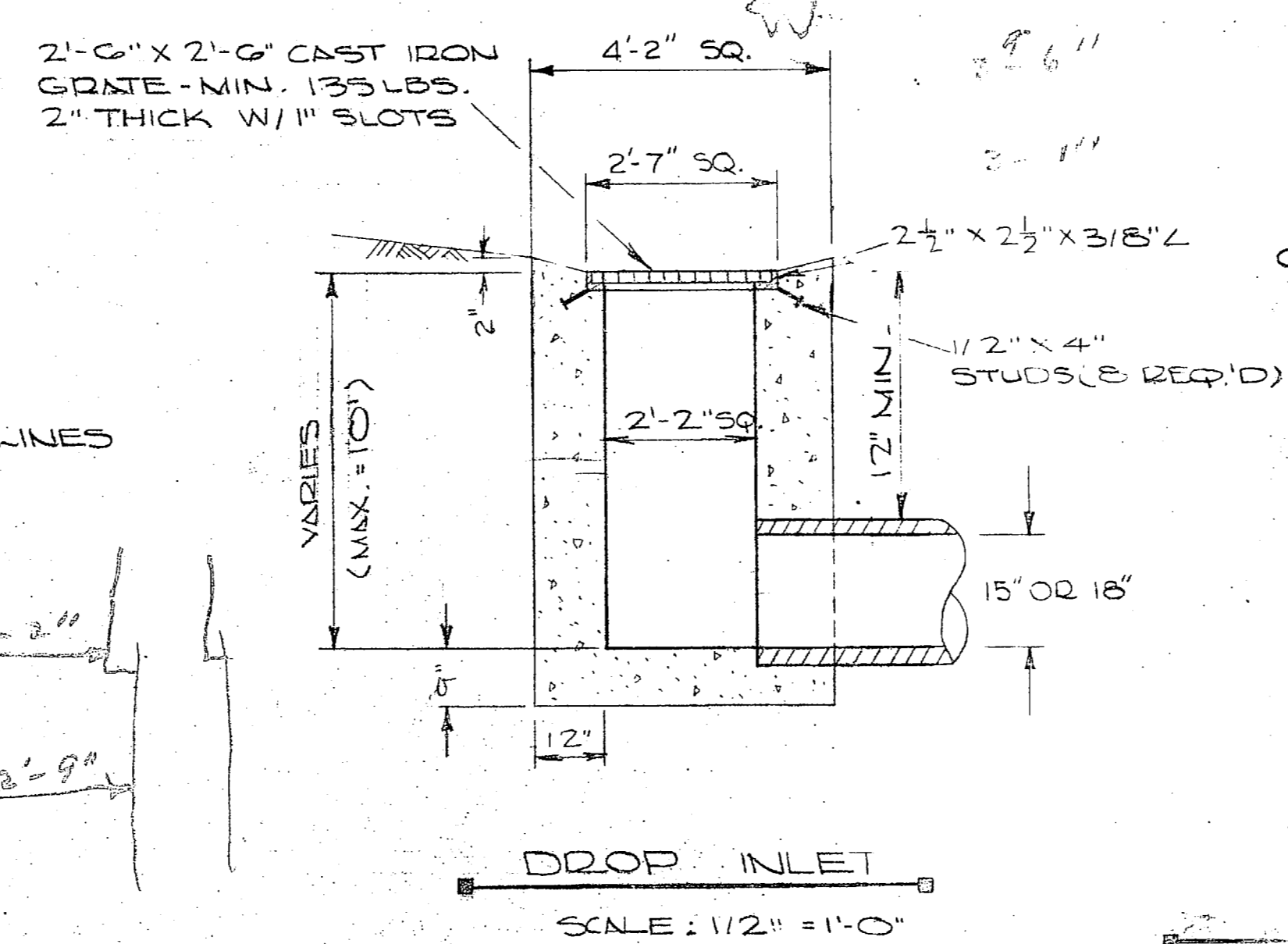


PRECAST CONCRETE MANHOLE (POURED IN PLACE BASE)
NO SCALE

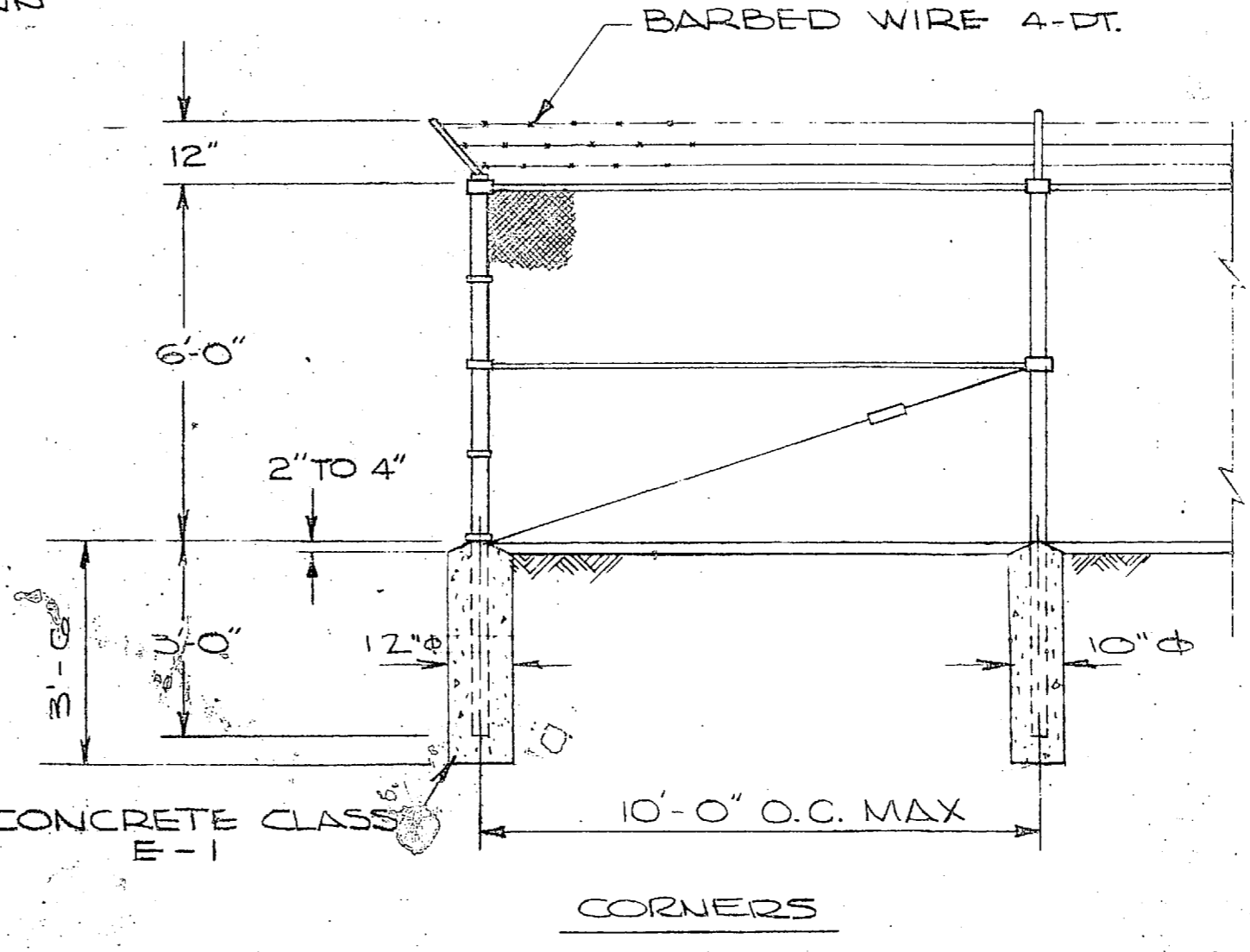


BRICK MANHOLE
SCALE: 1/2" = 1'-0"

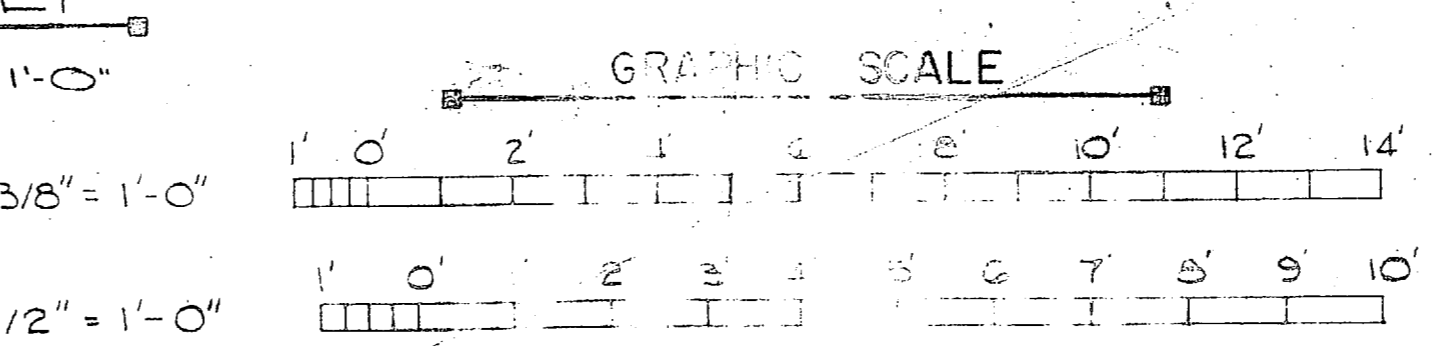
NEW	EXIST.	DESCRIPTION
D.W.	D.W.	RAW WATER LINE
F.W.	F.W.	FRESH WATER LINE
F.M.	F.M.	FORCE MAIN
SAL.	SAL.	SAWITARY SEWER
L.P.G.	L.P.G.	LOW PRESSURE GAS (PROPANE)
A	A	AIR LINE
SURV.	SURV.	SURVEY LINE
U.P.	U.P.	UNDERGROUND POWER LINE
O.P.	O.P.	OVERHEAD POWER LINE
S.D.	S.D.	STORM DRAIN
T	T	TELEPHONE LINE
O	O	OUTLINES
SP. ELEV.	SP. ELEV.	SPOT ELEVATIONS
EXP. PIP.	EXP. PIP.	EXPOSED PIPING
HID. PIP.	HID. PIP.	HIDDEN PIPING
STR. & OBJ. L.	STR. & OBJ. L.	STRUCTURES AND OTHER OBJECT LINES
BRICK WALL	BRICK WALL	BRICK WALL
C.M.U. WALL	C.M.U. WALL	C.M.U. WALL
CONC. WALL	CONC. WALL	CONCRETE WALL
WATER LEVEL	WATER LEVEL	WATER LEVEL
GRUSHED STONE SURFACE	GRUSHED STONE SURFACE	GRUSHED STONE SURFACE
LIME SLURRY LINE FROM DUPLEX METERING PUMP	LIME SLURRY LINE FROM DUPLEX METERING PUMP	LIME SLURRY LINE FROM DUPLEX METERING PUMP



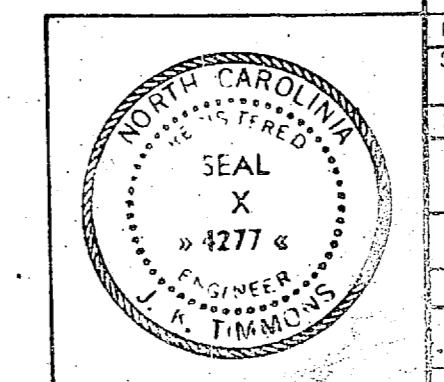
DROP INLET
SCALE: 1/2" = 1'-0"



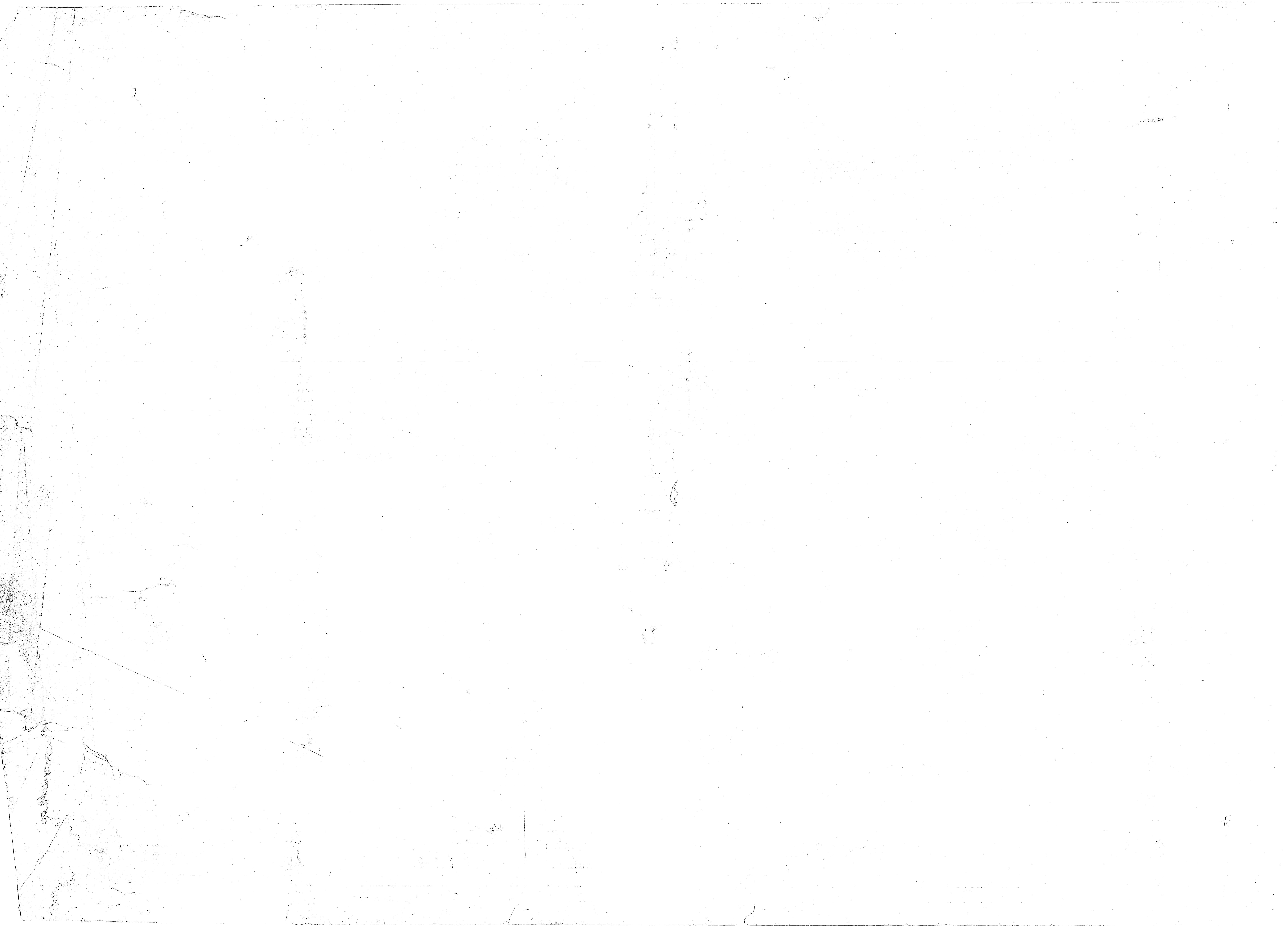
CORNERS

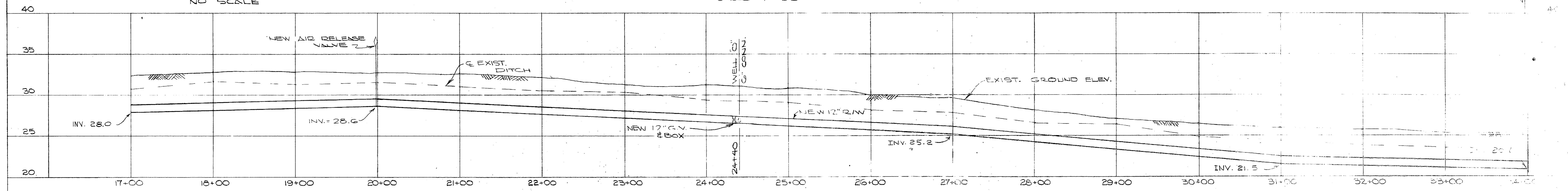
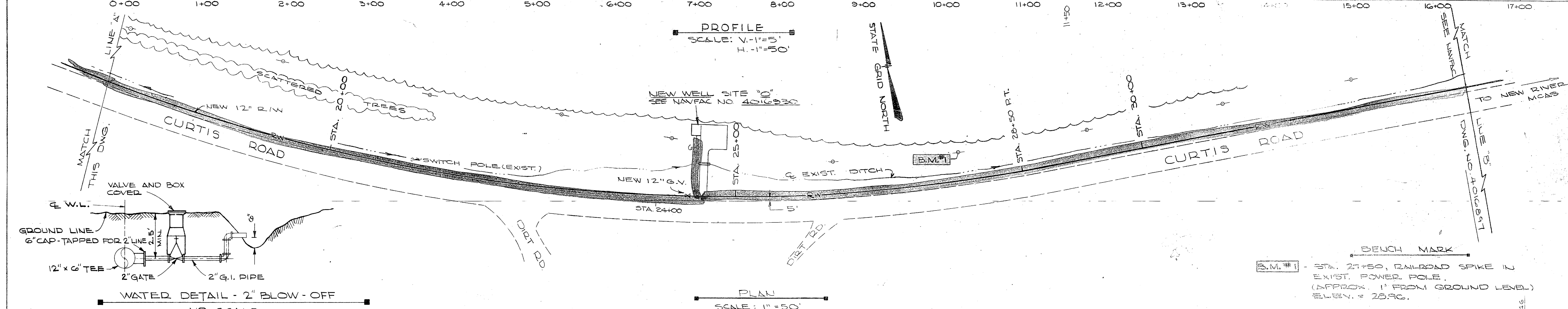
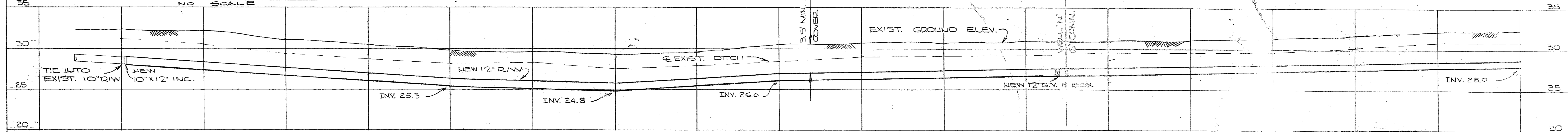
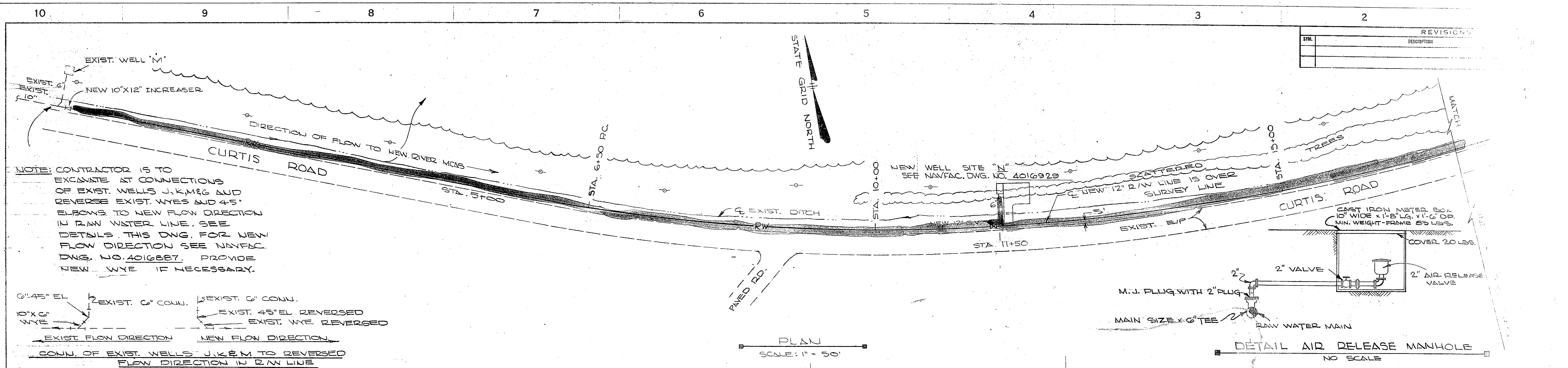


NOTE: GENERAL ABBREVIATIONS & LEGEND ARE APPLICABLE THROUGHOUT PLANS. SEE INDIVIDUAL DRAWINGS FOR SPECIALIZED ADDITIONAL ABBREVIATIONS.



DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING
CORPS AIR STATION
WOLFELOE, NORTH CAROLINA
UTILITY EXPANSION
MISCELLANEOUS SITE DETAIL
DATE: 12/13/55





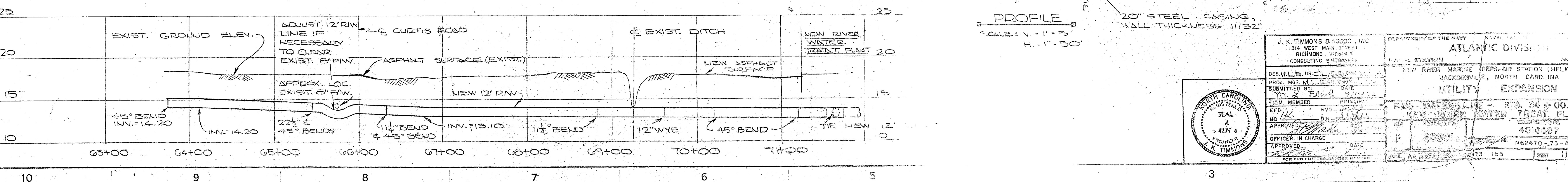
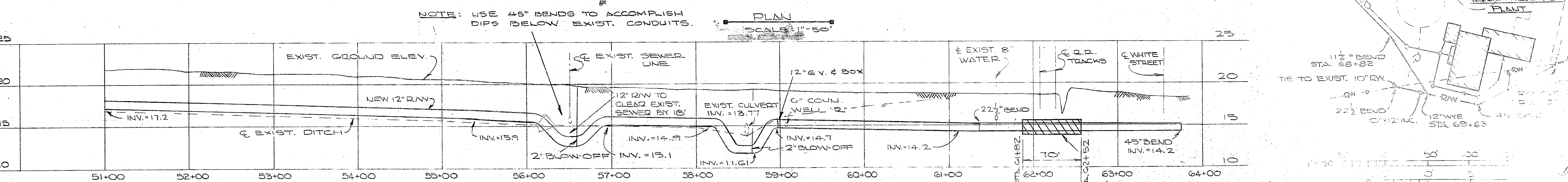
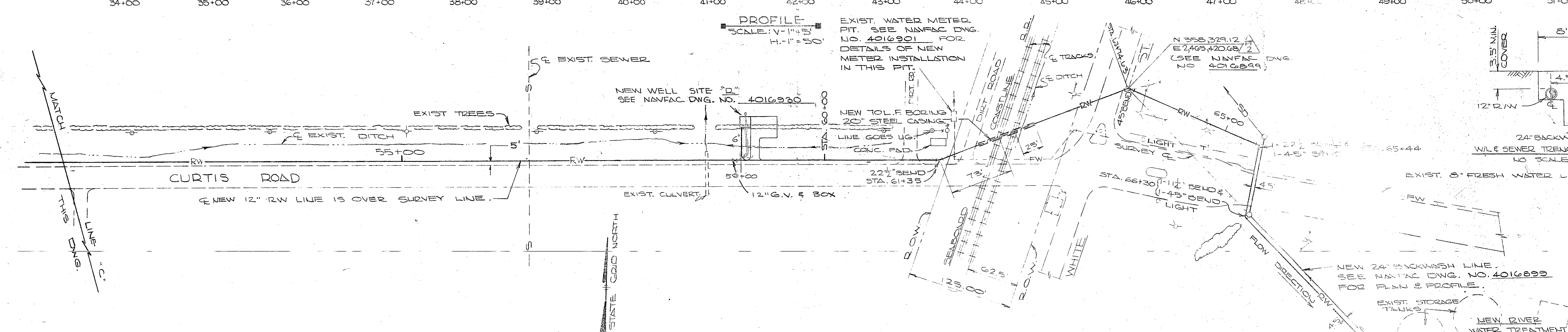
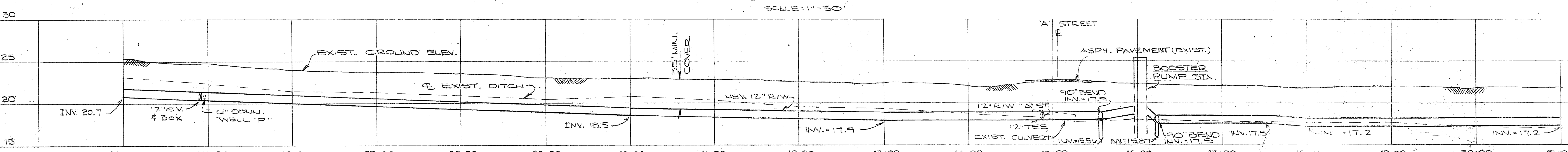
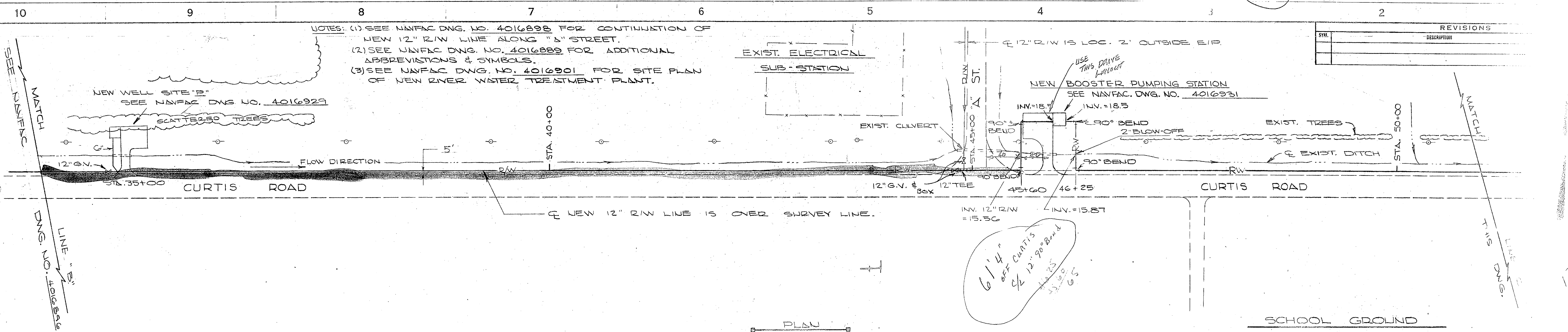
NOTE: SEE NAVFAC DNG. NO. 4016889 FOR ADDITIONAL ABBREVIATIONS AND SYMBOLS.

GRAPHIC SCALE: 1" = 50'

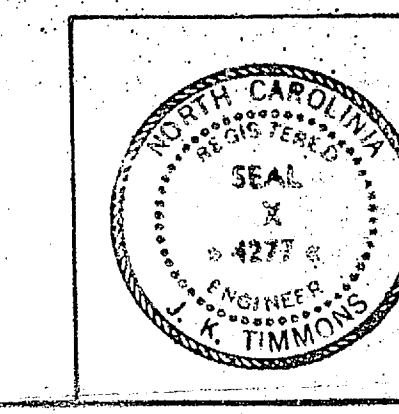
REV.	DESCRIPTION

J. K. THOMAS & ASSOC., INC. 134 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING ATLANTIC DIVISION	
DESIGN: M. E. DR. C. L. D. B. TH. M. L. L. E.		NAVAL STATION	
PROJ. NO. 4016889		NEW RIVER MARINE CORPS AIR STATION	
SUBMITTED BY: DATE		JACKSONVILLE, NORTH CAROLINA	
FIRM NUMBER		UTILITY EXPANSION	
E.P.D.		RAW WATER LINE - STA. 0+00 THROUGH STA. 34+00	
H.D.		DATE: 05-13-11	
APPROVED BY: DATE		DRAWING NO. 4016889-11	
DRAWN BY: DATE		SCALE: AS SHOWN	





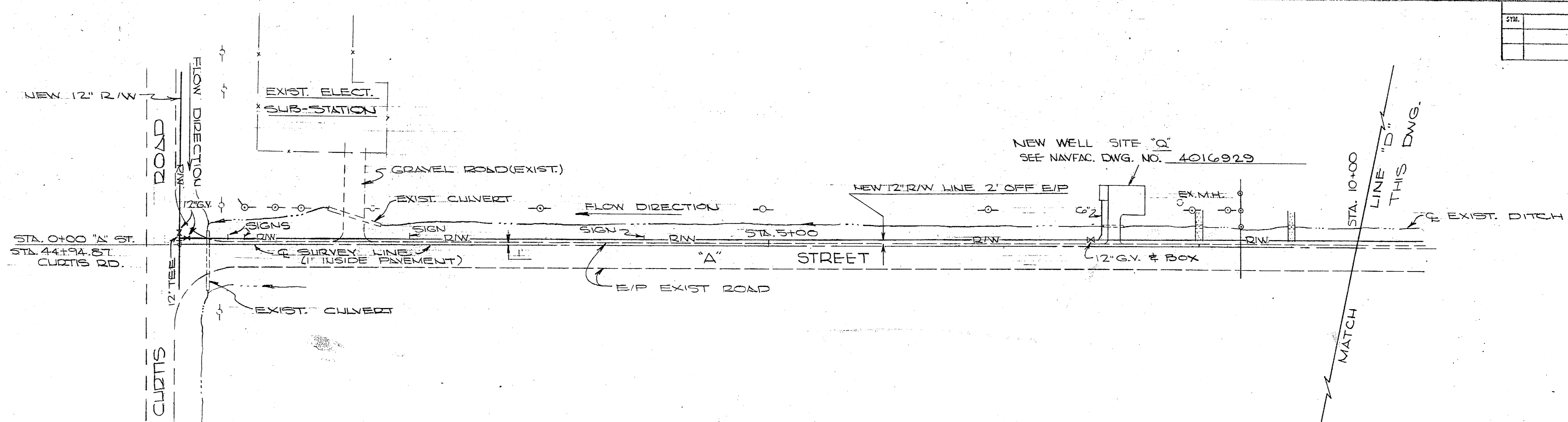
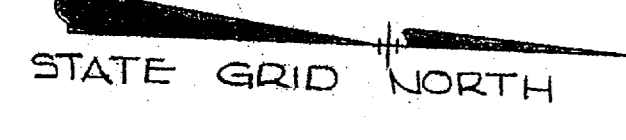
J. K. TIMMONS & ASSOC., INC. 1314 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		ATLANTIC DIVISION STATION NEW RIVER WATER TREATMENT PLANT (HELICOPTER) JACKSONVILLE, NORTH CAROLINA UTILITY EXPANSION	
DESIGNED BY E. L. B. / 10/1/53	CHECKED BY E. L. B. / 10/1/53	DATE 10/1/53	PROJECT NO. 4016887
APPROVED BY E. L. B. / 10/1/53	DATE 10/1/53	OFFICE IN CHARGE E. L. B.	DATE 10/1/53
FOR THE PROJECT ENGINEER		FOR THE OFFICE IN CHARGE	



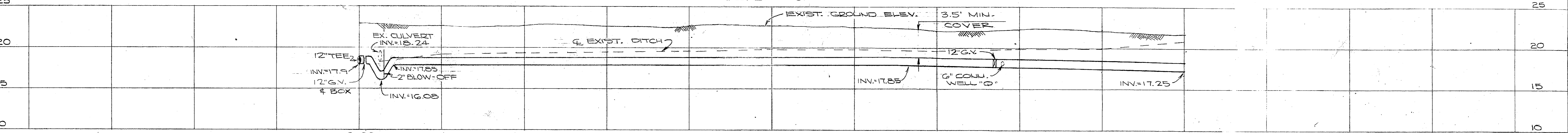


10 9 8 7 6 5 4 3 2

REVISIONS	
NO.	DESCRIPTION

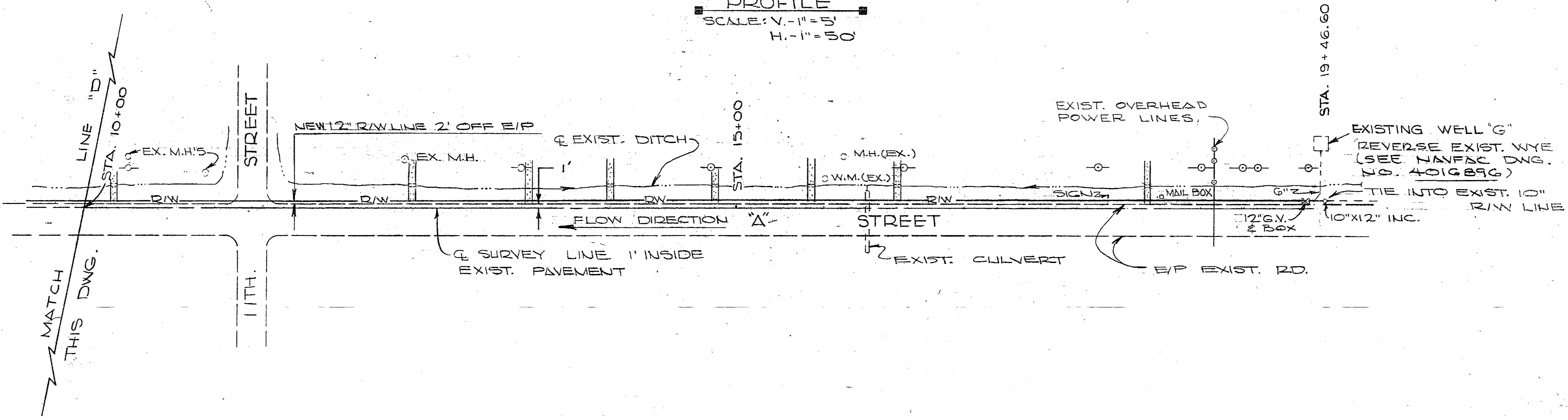


PLAN
SCALE: 1" = 50'

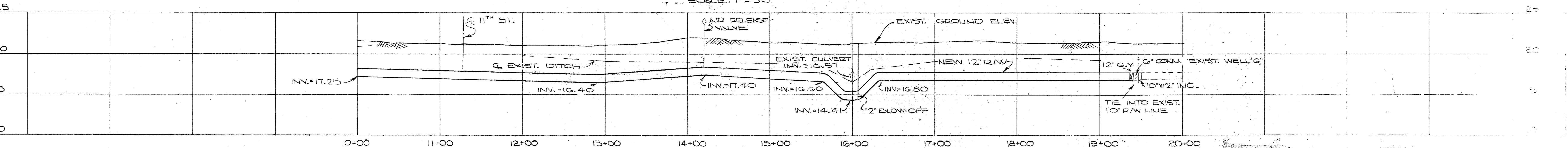


PROFILE
SCALE: V. - 1" = 5'
H. - 1" = 50'

NOTES: (1) SEE NAVFAC DNG. NO'S 4016296 & 4016297 FOR CONTINUATION OF NEW 12" R/W LINE ALONG CURTIS RD.
(2) SEE NAVFAC DNG. NO. 4016289 FOR ADDITIONAL ABBREVIATIONS AND SYMBOLS.

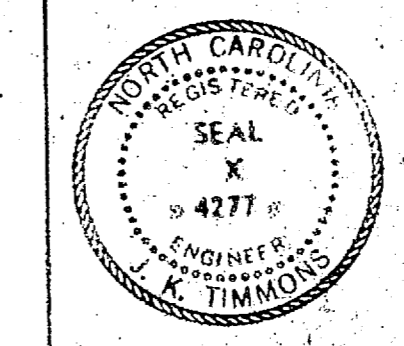
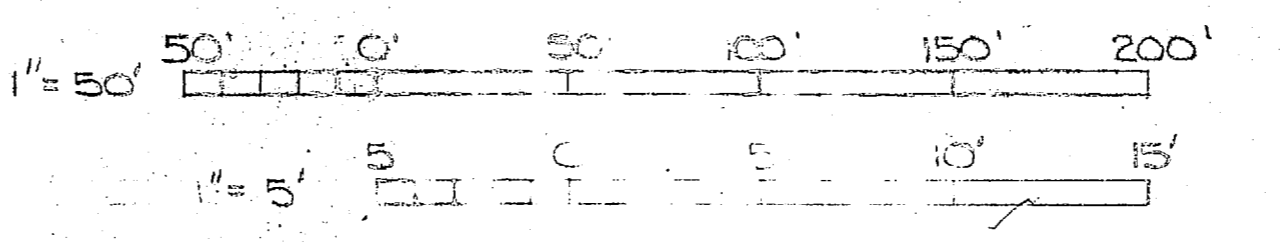


PLAN
SCALE: 1" = 50'



PROFILE
SCALE: V. - 1" = 5'
H. - 1" = 50'

GRAPHIC SCALE



J. K. TIMMONS & ASSOC., INC. 1314 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
	ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.
DES. M.L.E. (P.C.) / C. (C.H.) WALLER PROJ. MGR. M.L.E. / C. (C.H.) WALLER SUBMITTED BY: Y. K. / C. (C.H.) WALLER FIRM MEMBER: RVD / C. (C.H.) WALLER APPROVED: [Signature] DEPICTER IN CHARGE: [Signature]	NEW RIVER MARINE CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA UTILITY EXPANSION RAW WATER LINE - STA. 0+00 TO 'A' STREET STA. 4+00 TO STA. 19+46.60 4016298 06-73-1155

10 9 8 7 6 5 4 3



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7

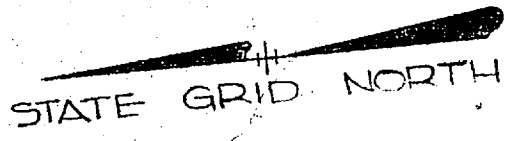
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5

4

3

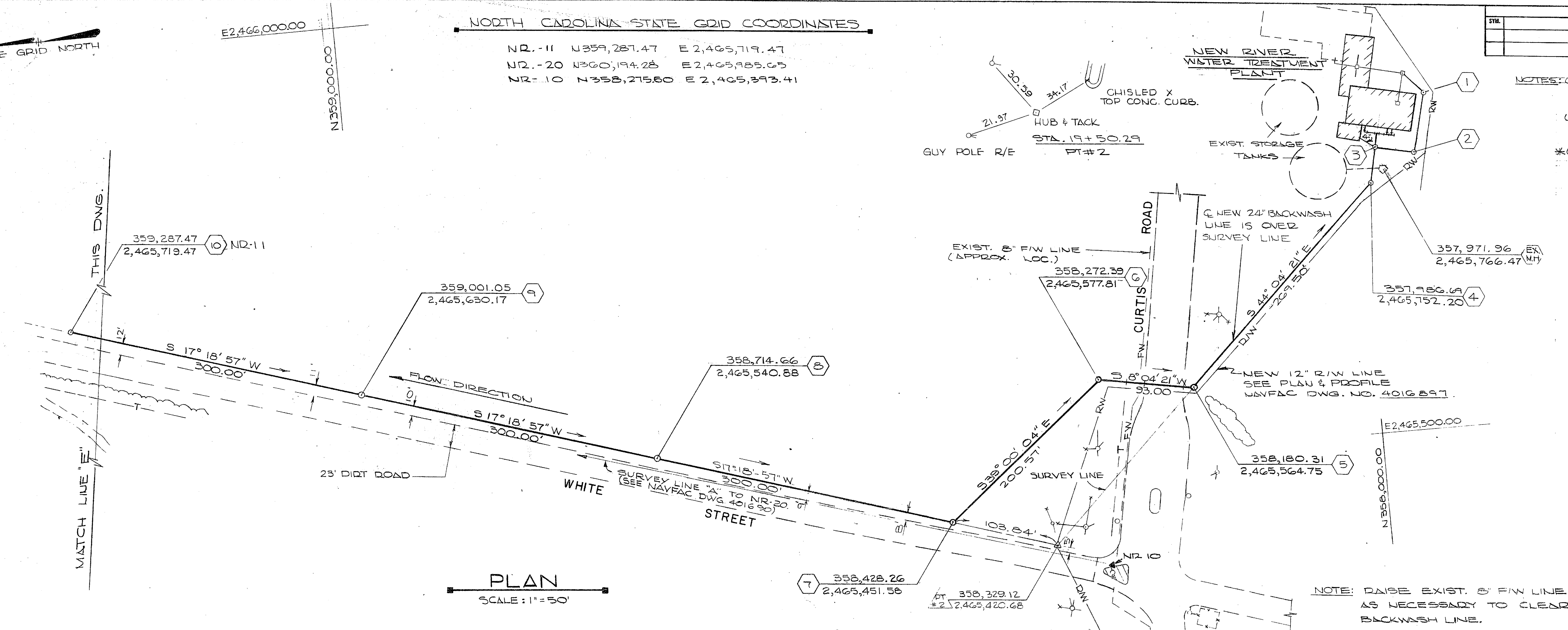
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NORTH CAROLINA STATE GRID COORDINATES
 NR.-11 U359,287.47 E 2,465,719.47
 NR.-20 N360,194.28 E 2,465,885.65
 NR.-10 N358,275.80 E 2,465,393.41

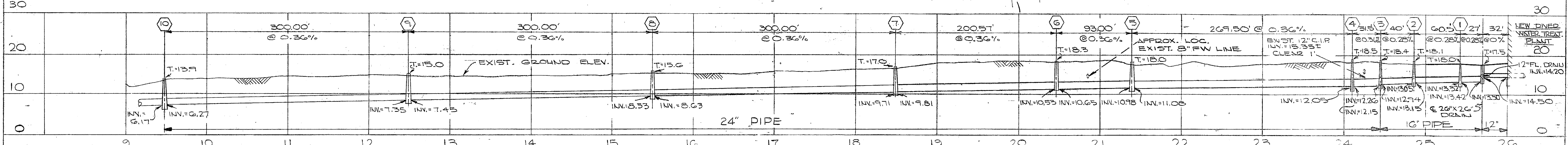
REVISIONS		
NO.	DESCRIPTION	DATE

NOTES: (1) SEE NAVFAC DWS. NO. 4016901 FOR WATER TREATMENT PLANT SITE PLAN.
 (2) SEE NAVFAC DWS. NO. 4016889 FOR ADDITIONAL REVISIONS AND SYMBOLS.
 (3) FILL IN THIS AREA WITH MIN. OF 2" (TWO) COVER UNDER 24" STORM SEWER PIPE.



PLAN
 SCALE: 1" = 50'

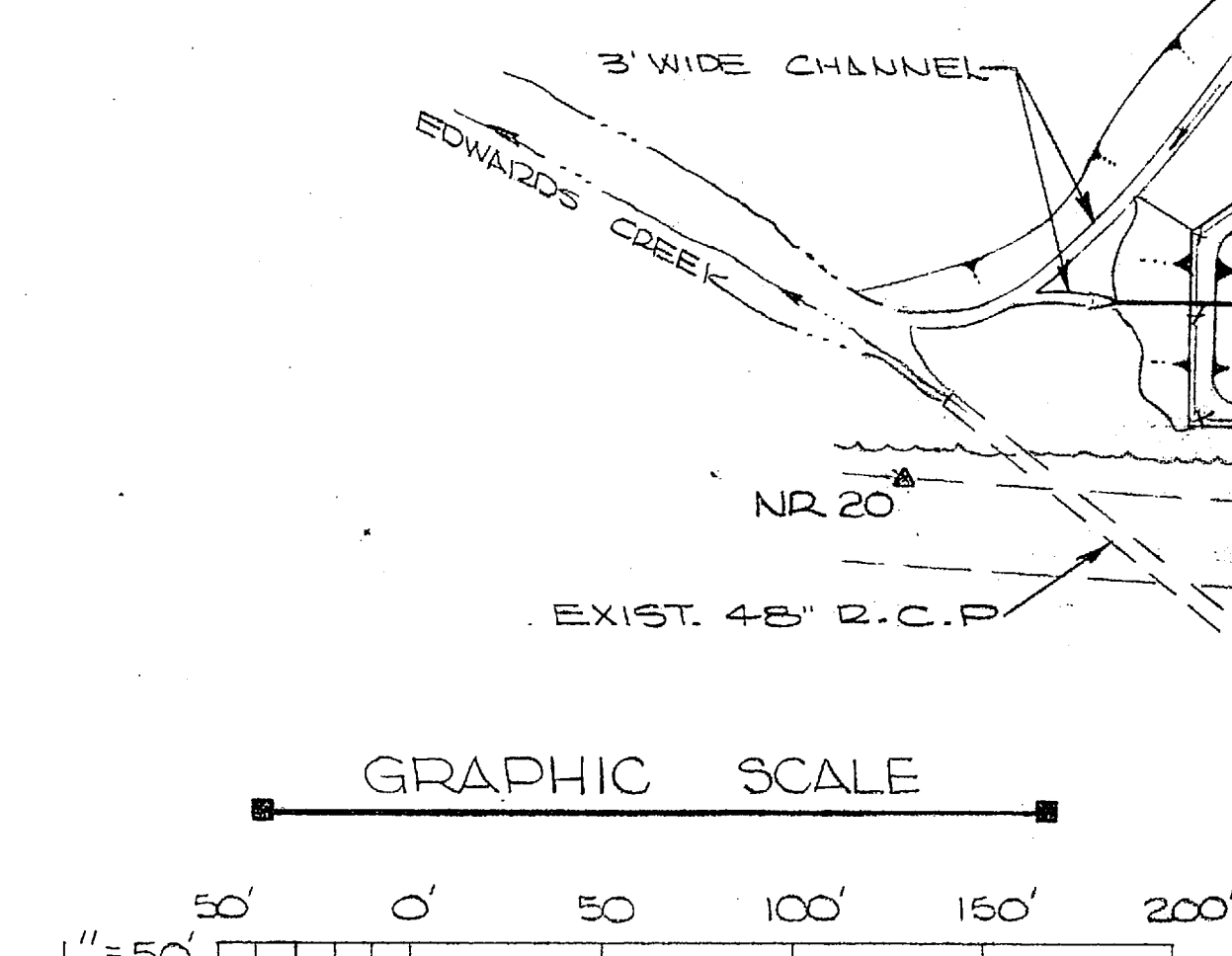
NOTE: RAISE EXIST. 8" F/W LINE AS MUCH AS NECESSARY TO CLEAR NEW 24" BACKWASH LINE.



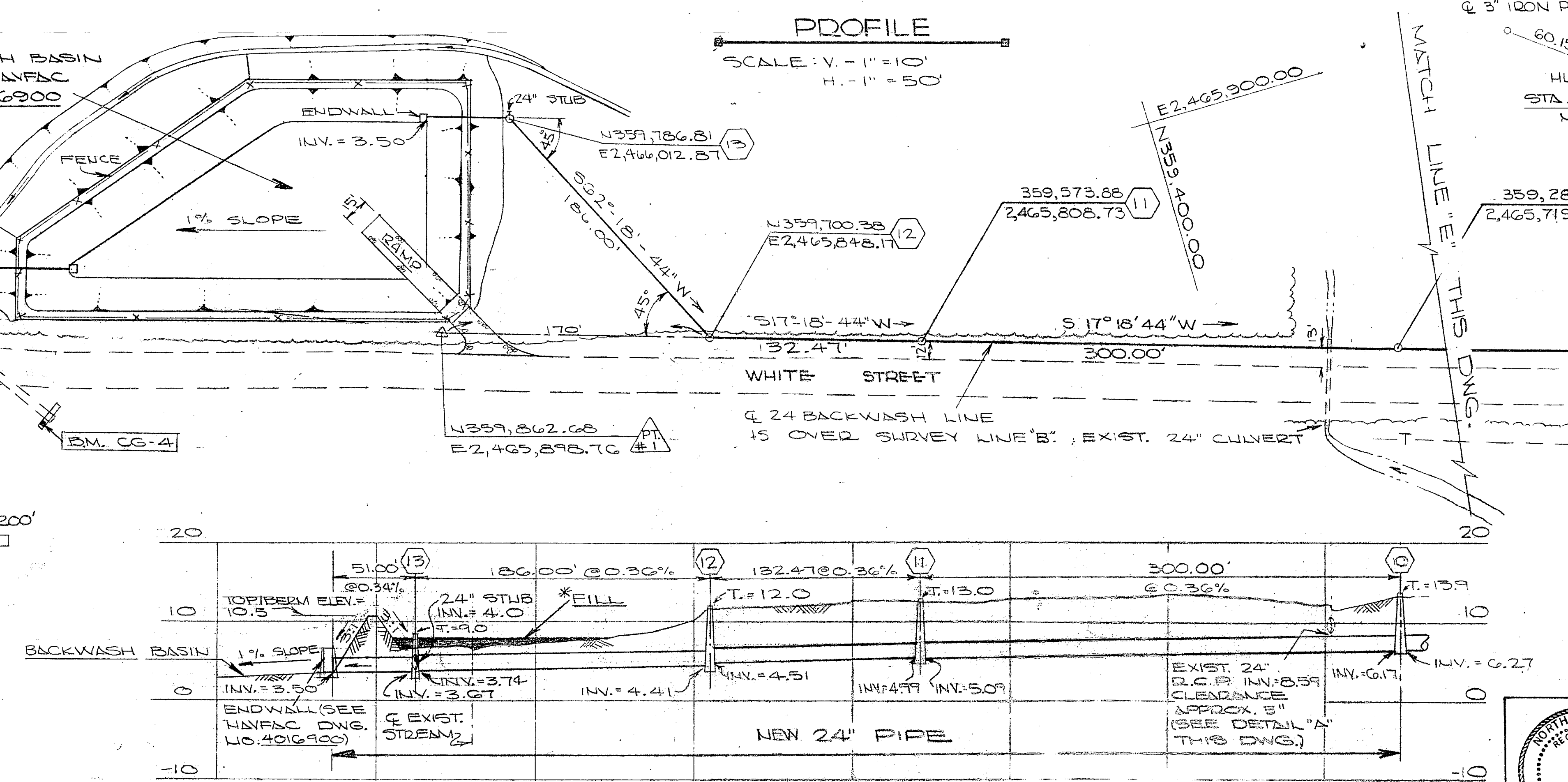
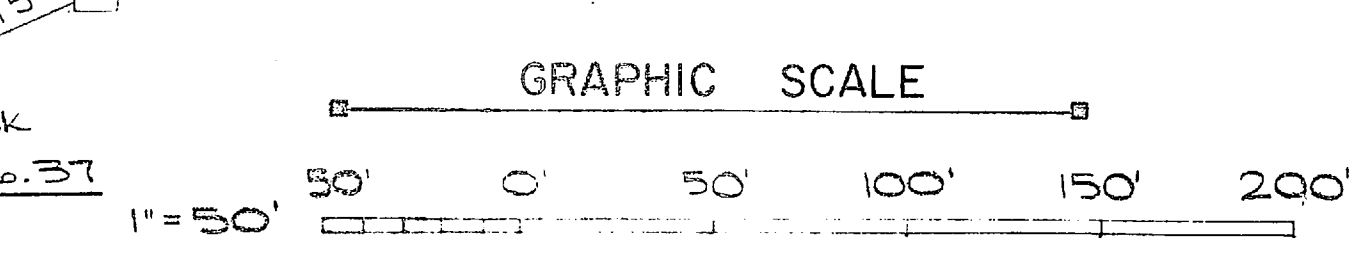
PROFILE
 SCALE: V.-1"=10', H.-1"=50'



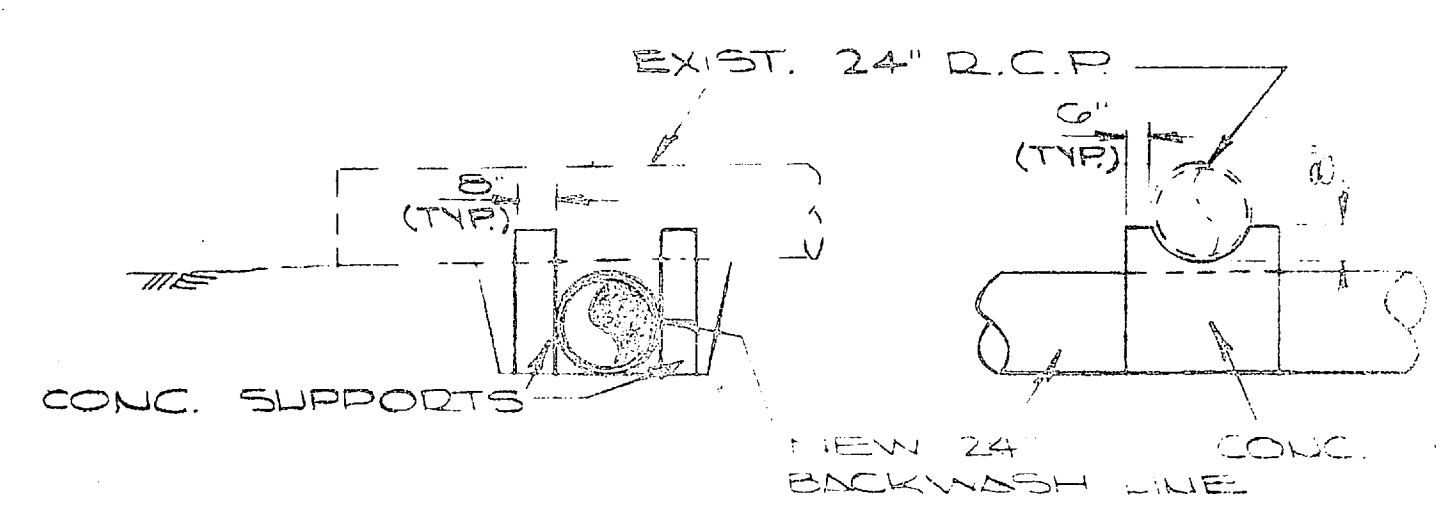
NOTE: FOR BACKWASH BASIN DETAILS SEE NAVFAC DWS. NO. 4016900



GRAPHIC SCALE
 1" = 50'

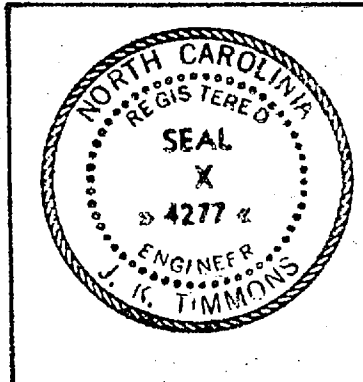


PROFILE
 SCALE: V.-1"=10', H.-1"=50'



DETAIL 'A'
 NO SCALE

J. K. TIMMONS & ASSOC., INC. 104 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DESIGNED BY: M. J. BISHOP		ATLANTIC DIVISION	
DRAWN BY: M. J. BISHOP		NAVAL STATION NEW RIVER MARINE CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA	
CHECKED BY: M. J. BISHOP		UTILITY EXPANSION	
APPROVED BY: M. J. BISHOP		WATER PLANT BACKWASH LINE	
DATE: 10/1/68		PROJECT NO.: 6016899	
OFFICE IN CHARGE: F 80091		DRAWING NO.: 62470-733-3-1	
FOR EFD FOR COMNAVSTA		DATE: 10/1/68	



10

9

8

7

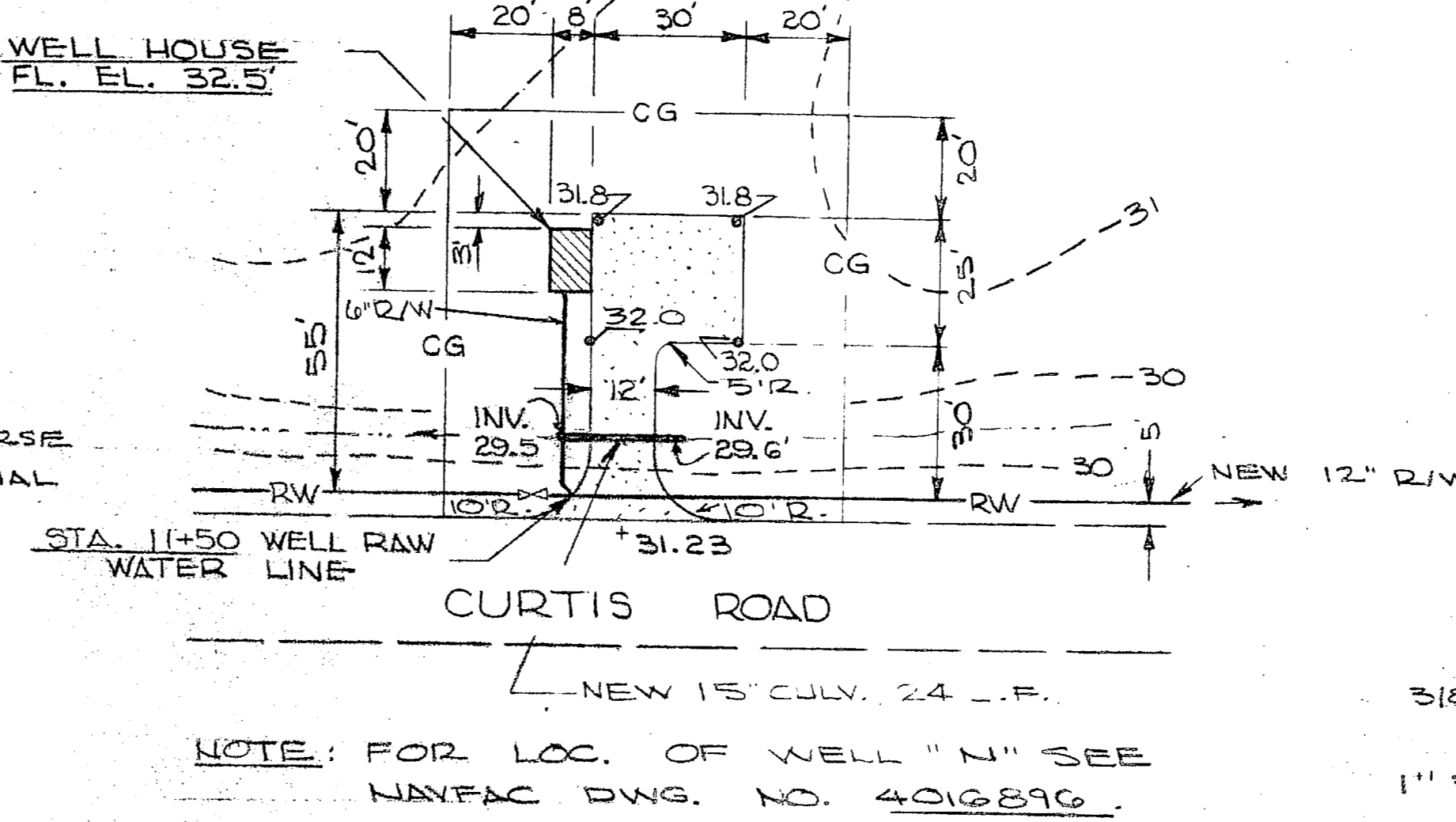
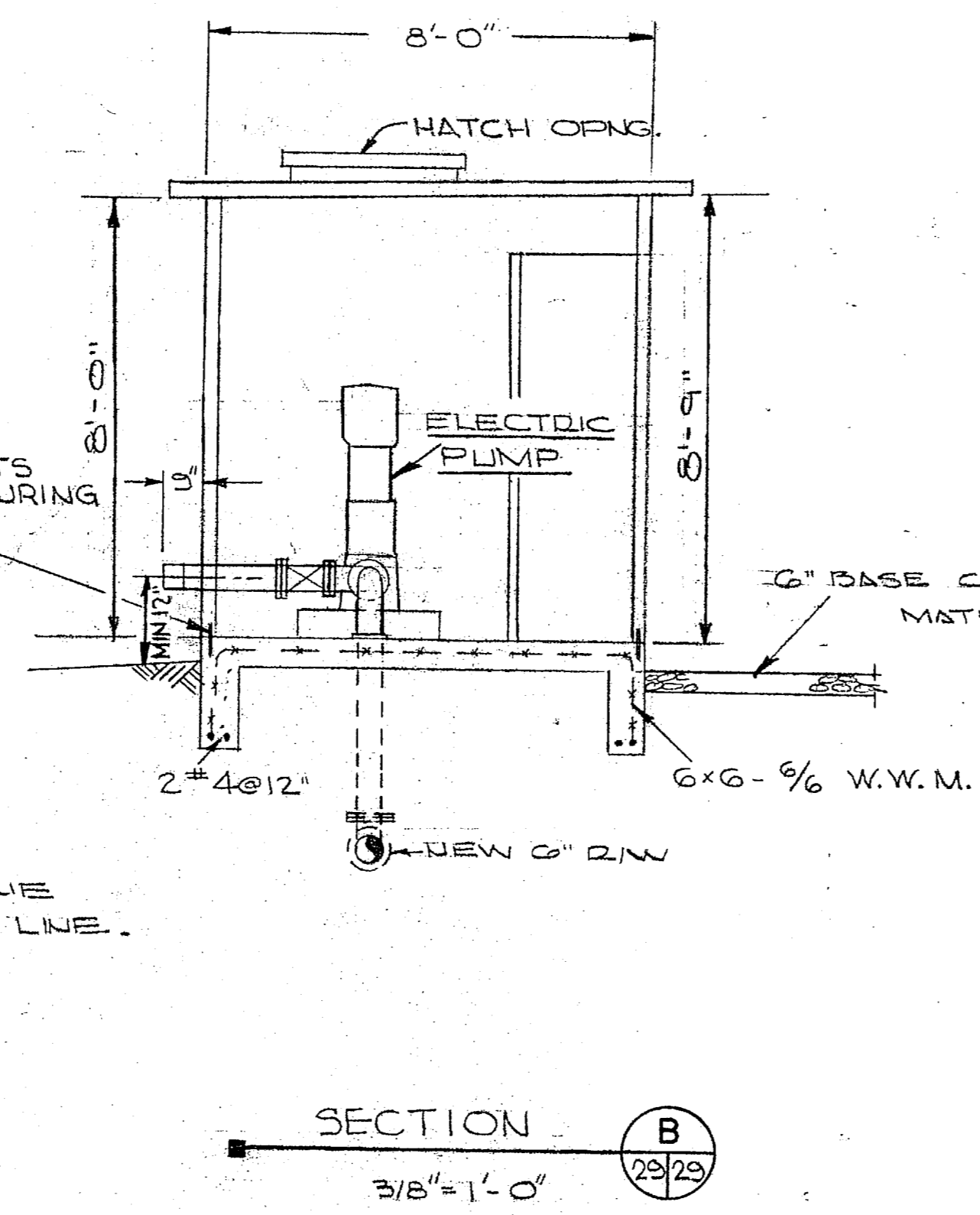
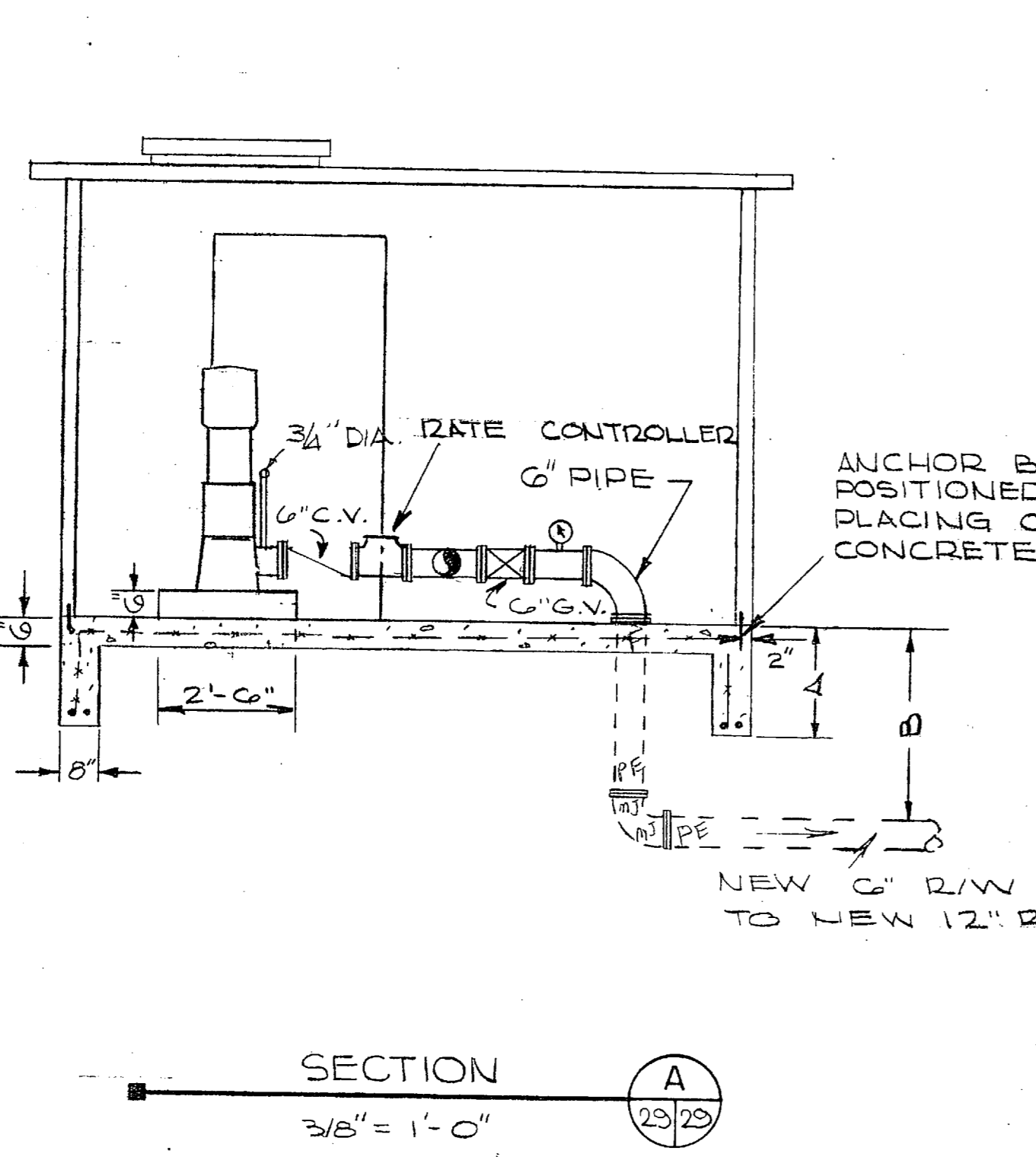
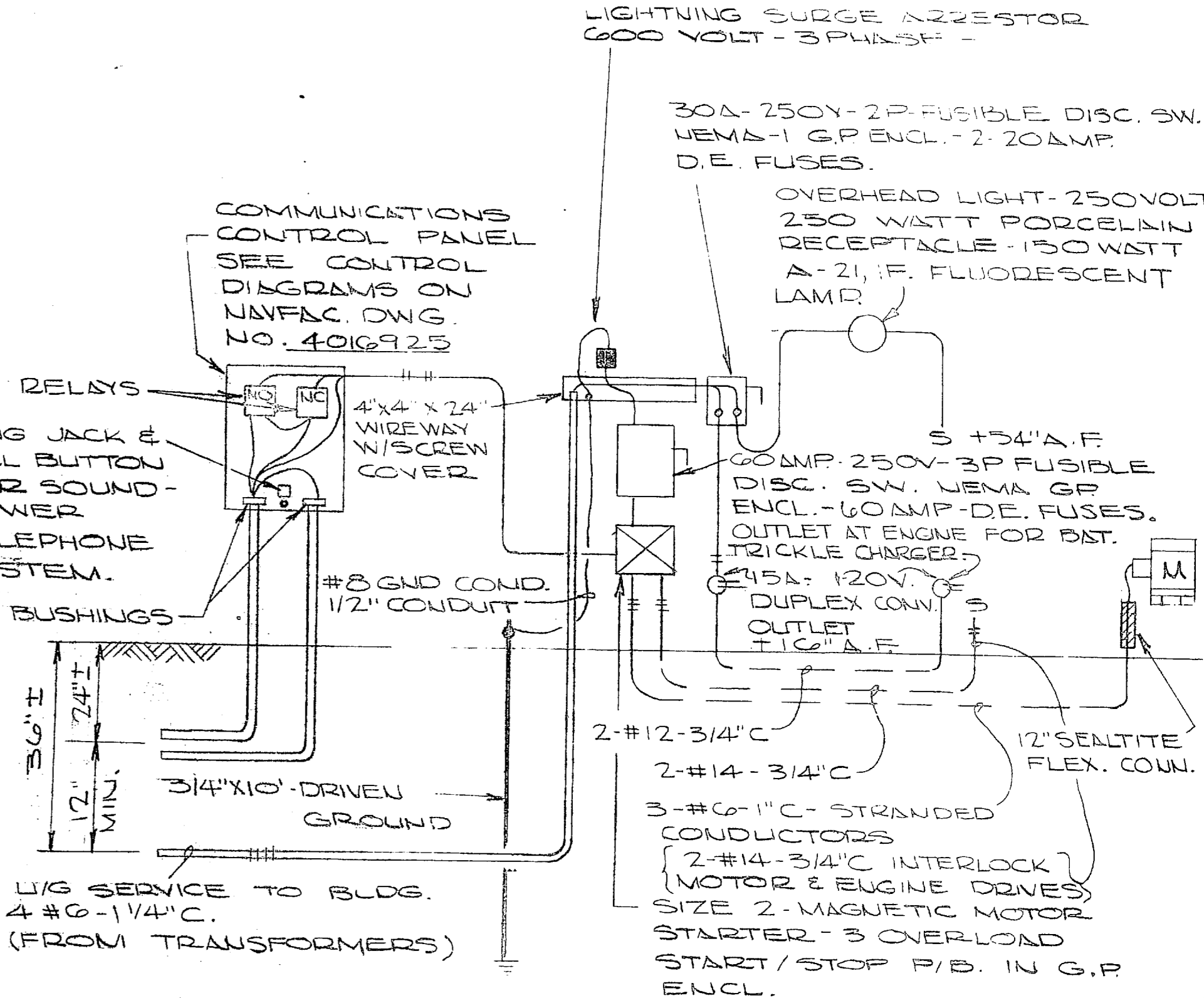
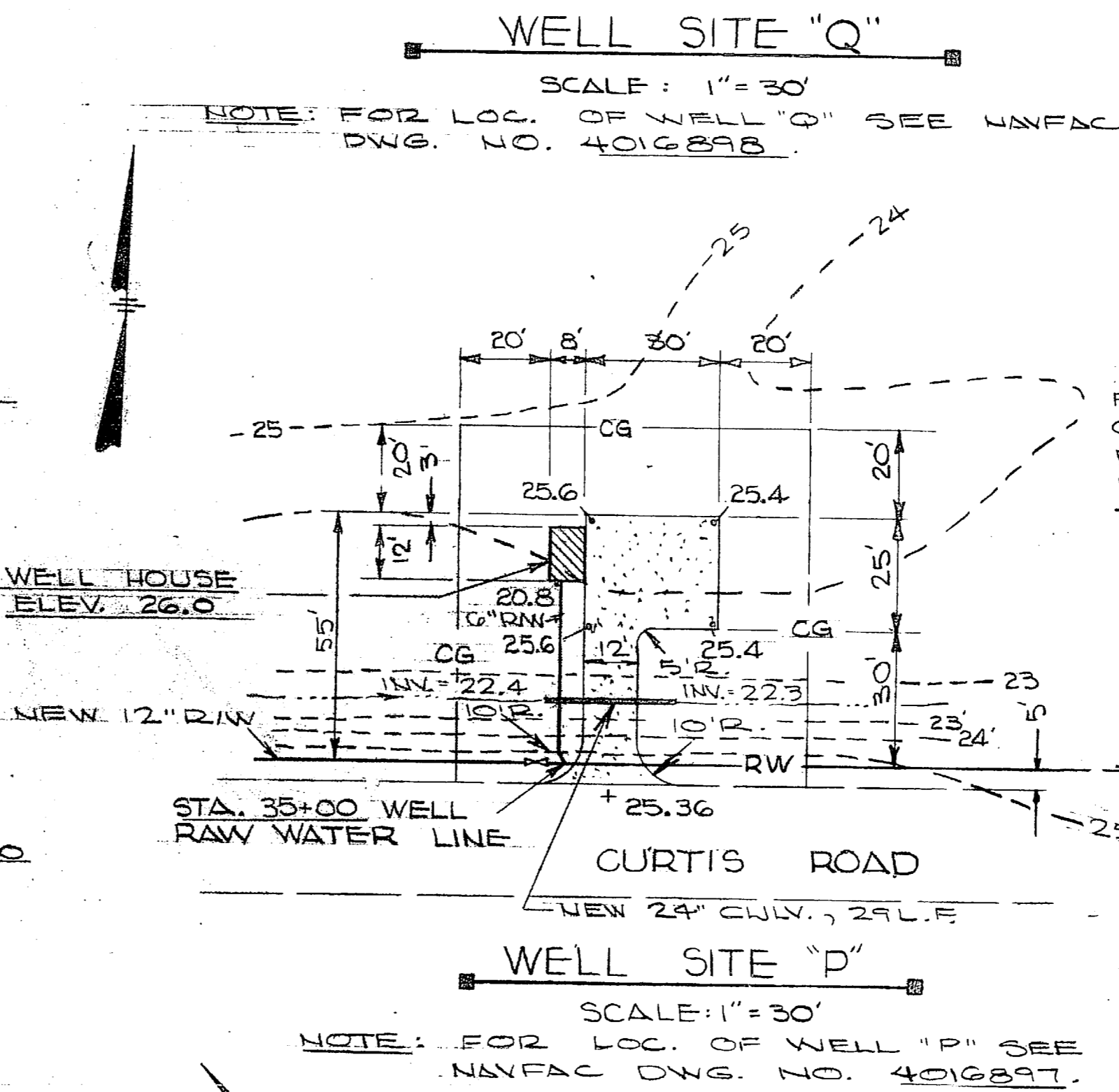
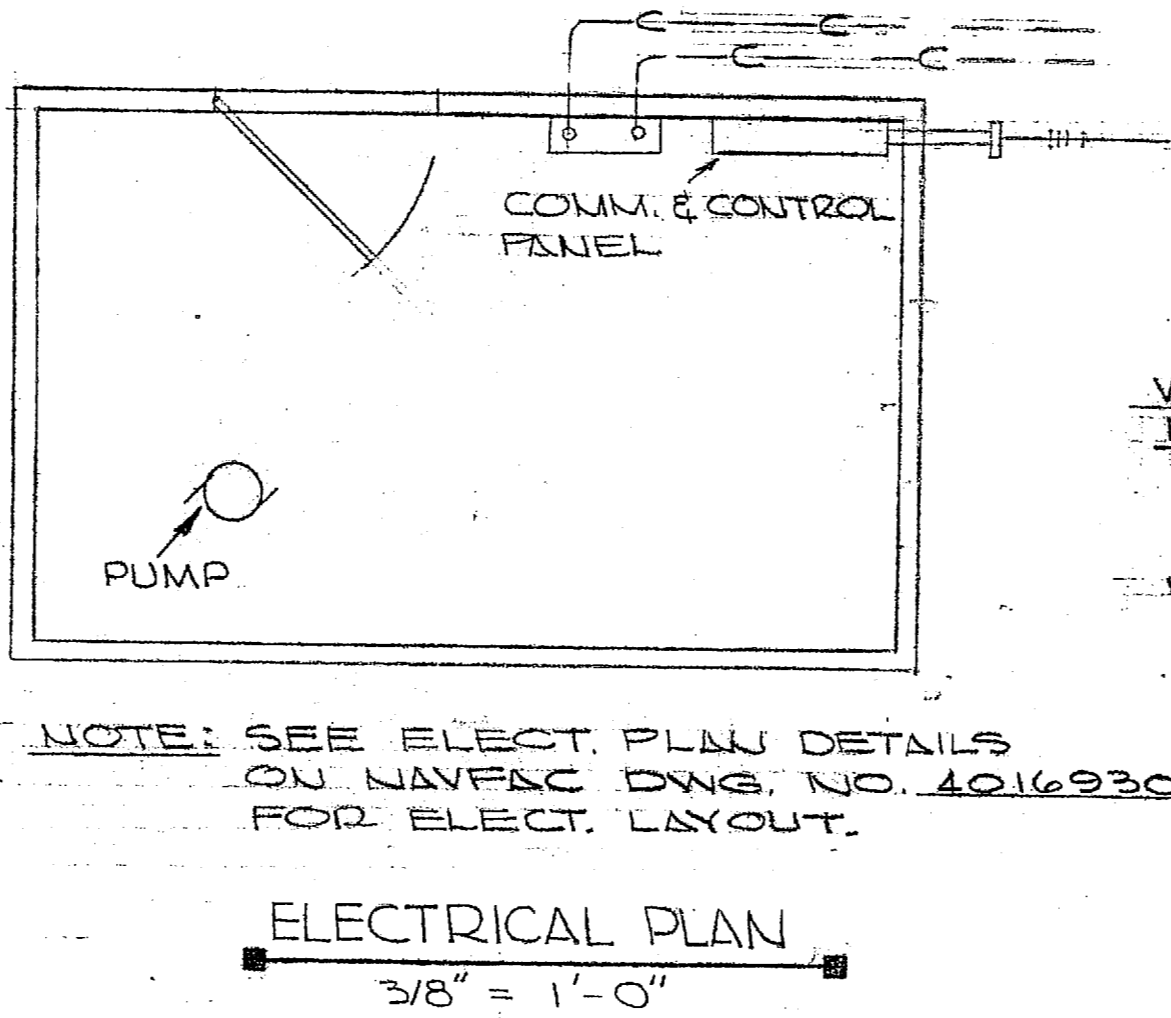
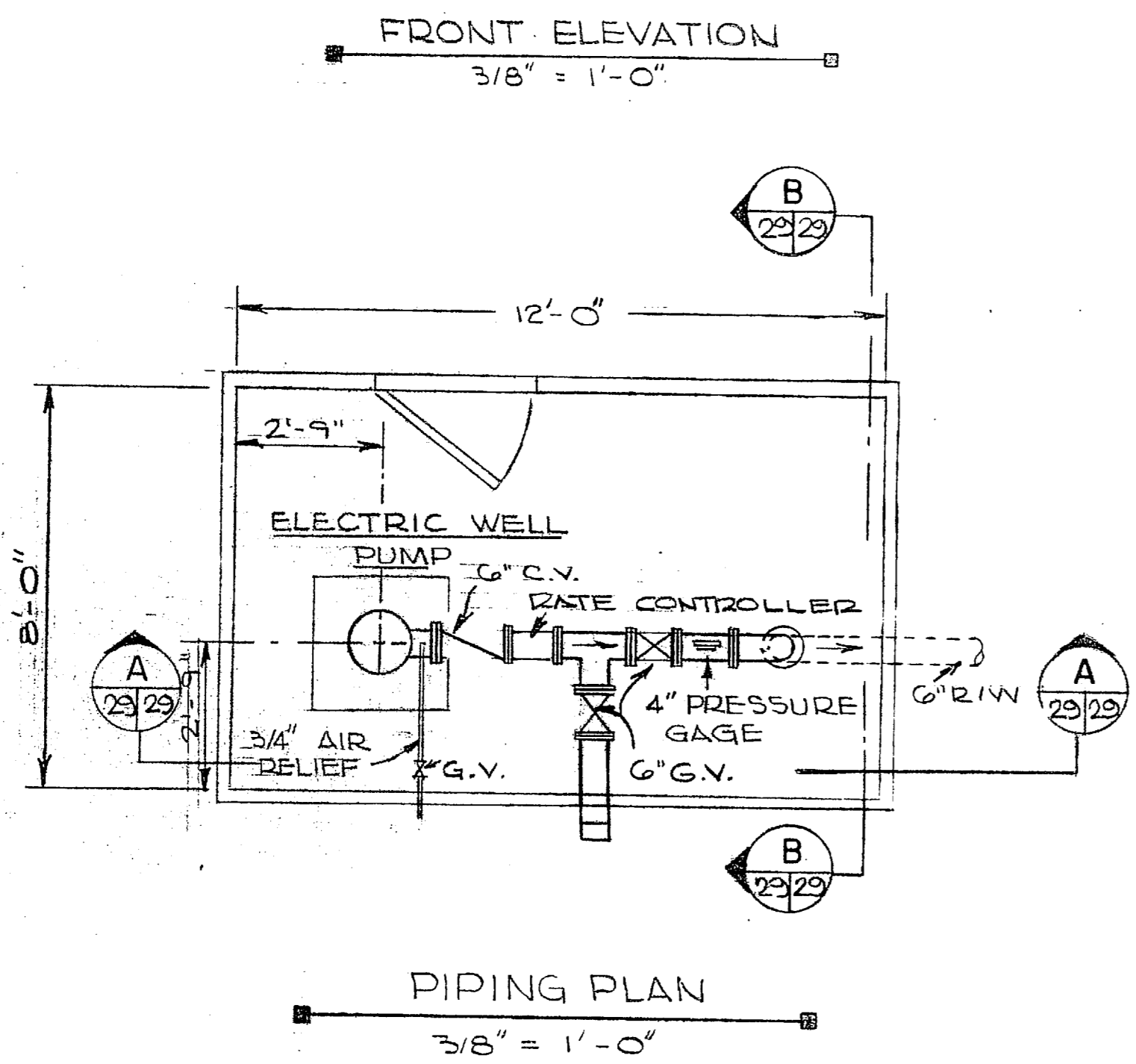
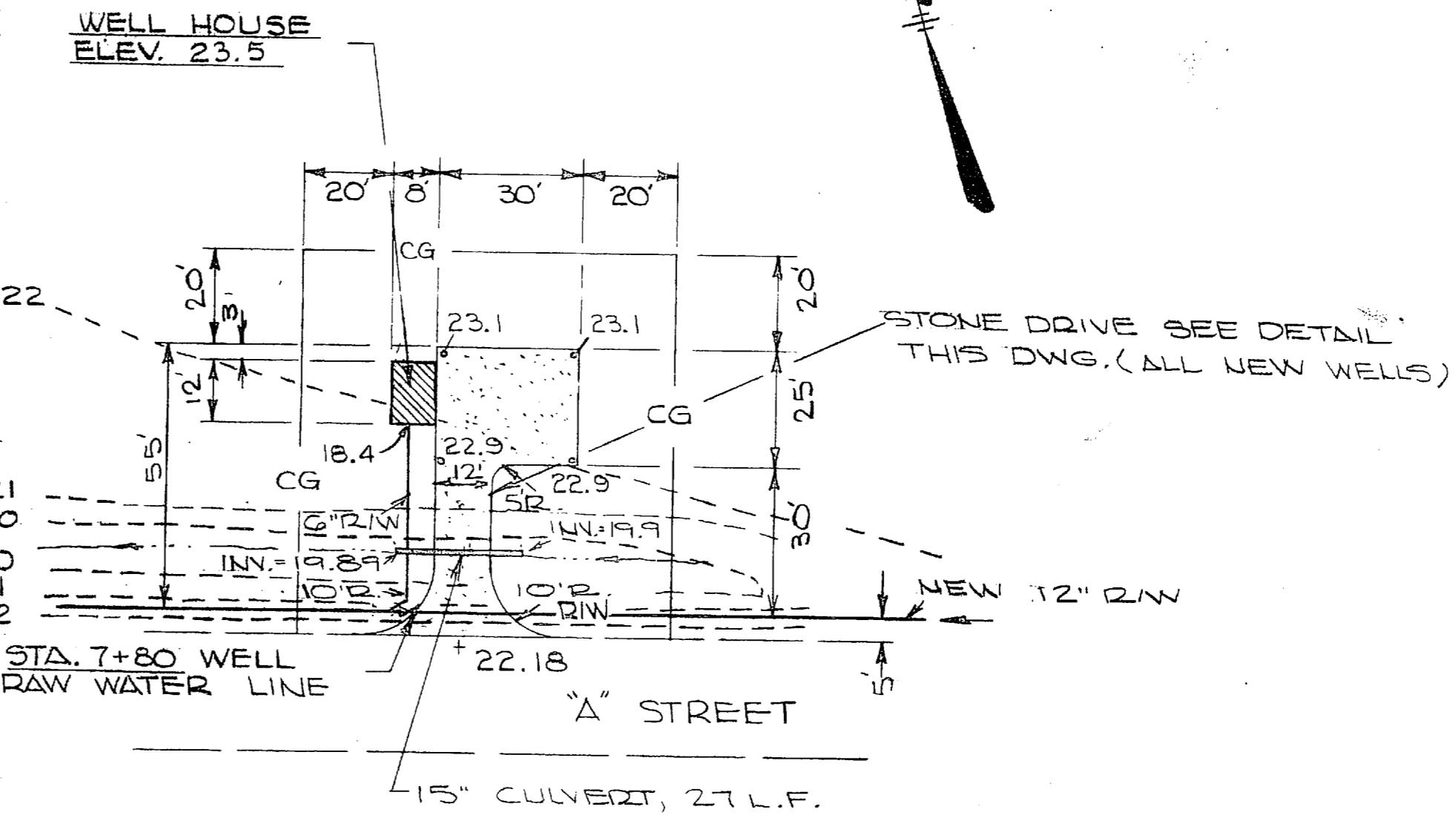
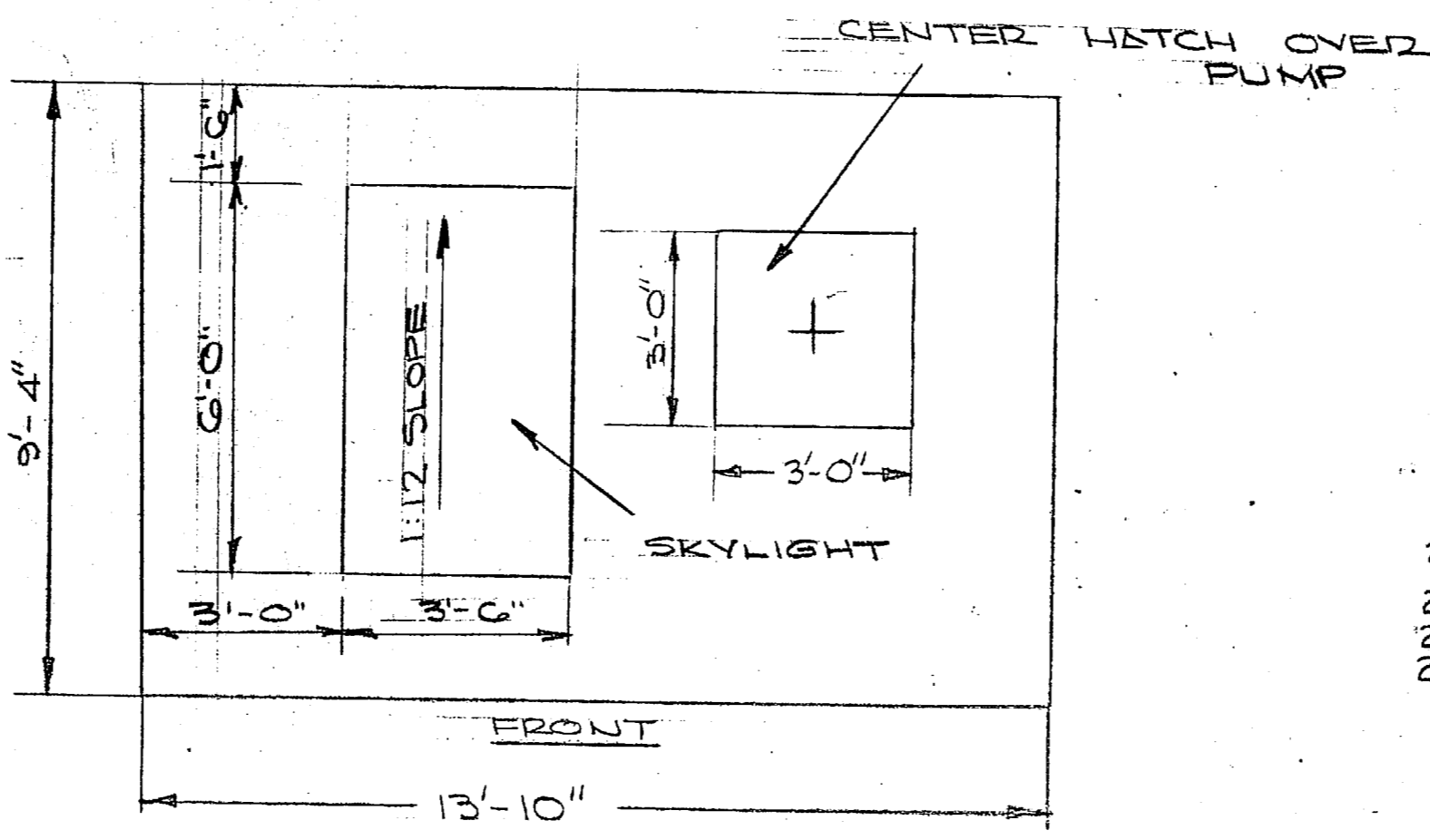
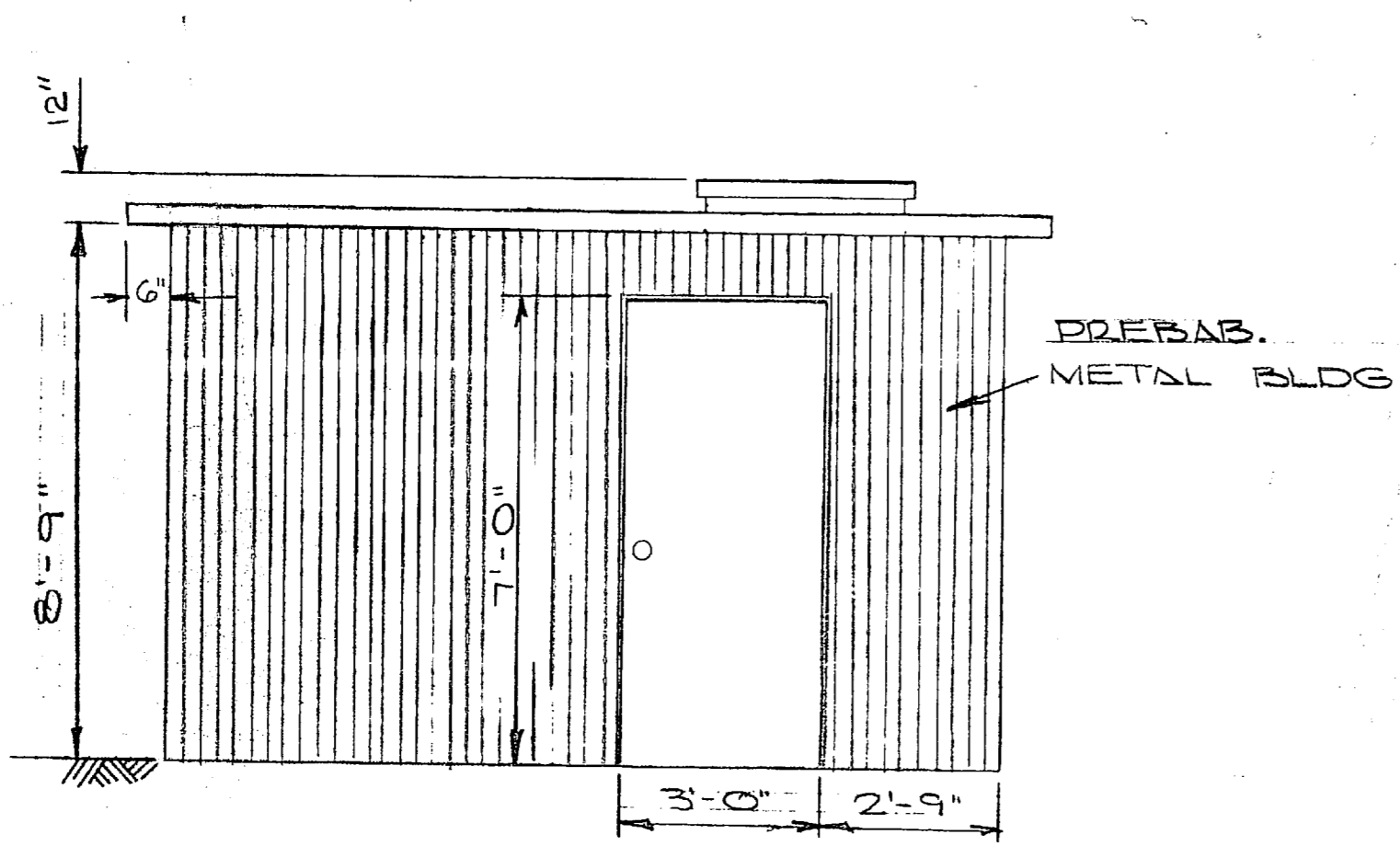
6

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4

3

NO.	REVISIONS



NOTE: SEE SECTION A FOR DIMENSIONS

WELL	A	B
R	2'-0"	5'-8"
O	2'-0"	4'-8"
O	2'-0"	4'-9"
D	2'-0"	3'-6"
N	2'-0"	3'-6"

NOTE: FOR ABBREVI. AND LEGEND SEE NAVFAC DWS. NO. 4010889.

EXISTING WELLS
ADD DENOTE CONTROL PANEL WITH SOUND-POWER, TELEPHONE JACK, P/B FOR CALL LIGHT, TWO RELAYS, START/STOP PUSHBUTTON STATION, TWO AUX. CONTACTS ON MOTOR STARTER AND RECONNECT TO PERMIT START/STOP OPERATION AND SIGNAL LIGHT FROM REMOTE CONTROL PANEL IN WATER PLANT AS WELL AS START/STOP FROM P/B STATION AT WELLS # 1, 3, 5, 7, 8, 10 AND 11 TO REMAIN. WELLS # 2, 3, 5, 7, 8, 10 AND 11 TO REMAIN 2 ARE CONTROL AT THIS TIME. SEE NAVFAC DWS. NO. 4010889.

LEGEND
CG - LIMITS OF AREA TO BE CLEARED, TOPSOILED AND SEEDED.

GRAPHIC SCALE
1" = 30'
1" = 4'

J. K. TIMMONS & ASSOC. INC.
1314 WEST MAIN STREET
RICHMOND, VIRGINIA
CONSULTING ENGINEERS

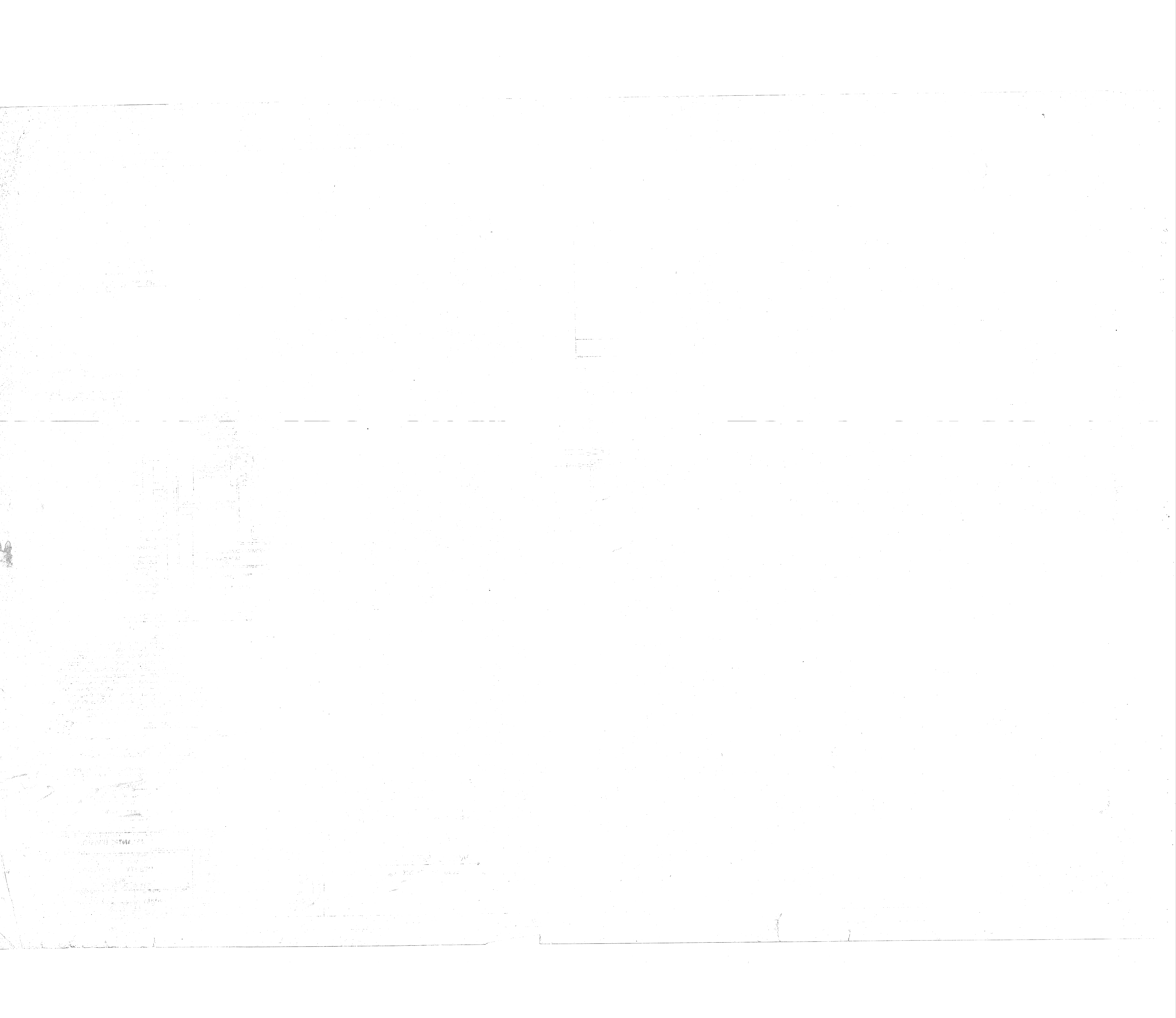
ATLANTIC DIVISION
NAVAL STATION
MARINE CORPS
AKRONVILLE, OHIO

UTILITY DIVISION
WELL SITE & ELECTRICAL

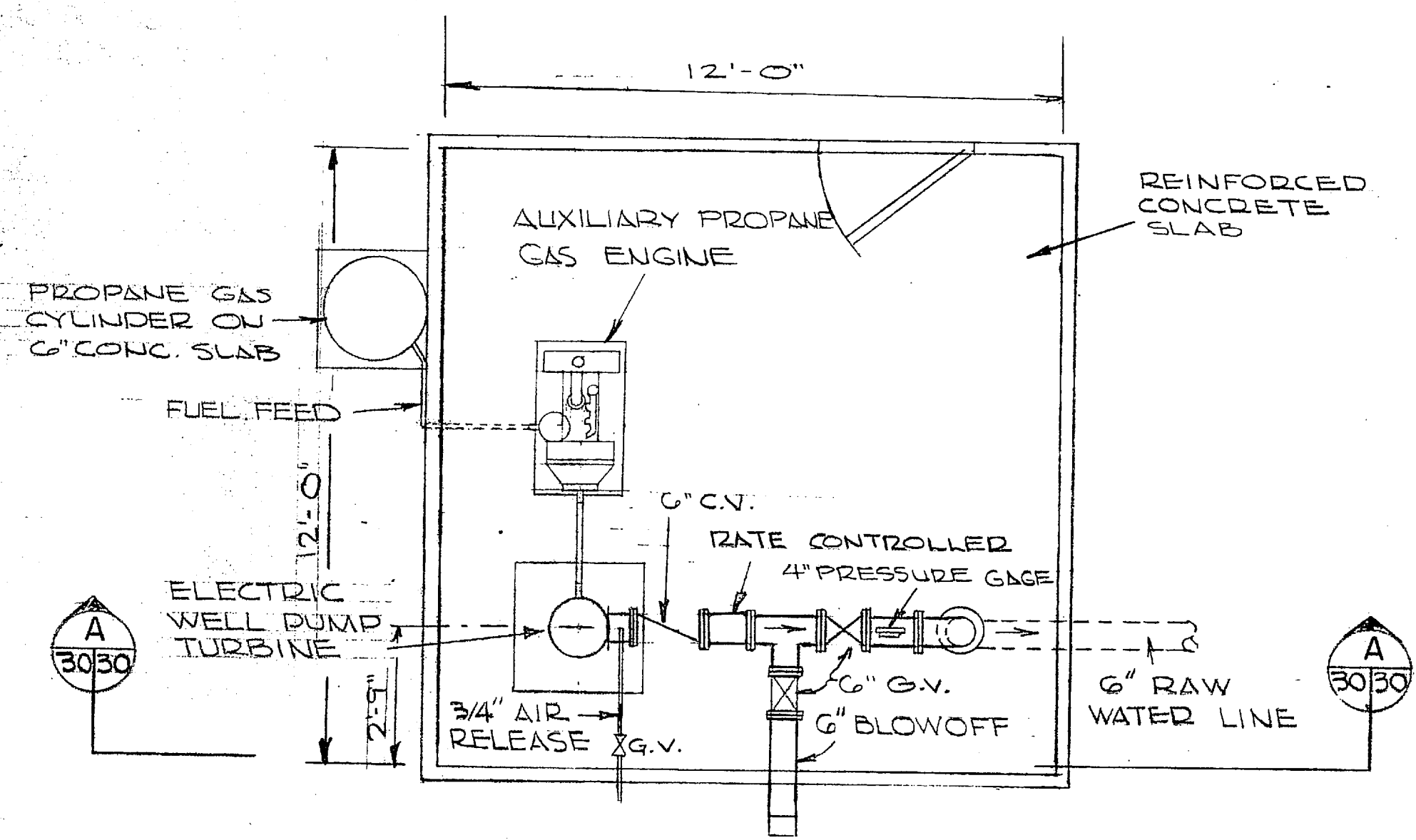
DES. M.L.E. DR. C.L. DR. C.H. M.L.E.
PROJ. MGR. M.L.E. CH. ENGR. J.C.H.
SUBMITTED BY: [Signature] DATE: [Date]
FIRM MEMBER: [Signature] PRINCIPAL
APPROVED: [Signature] DATE: [Date]
OFFICE IN CHARGE: [Signature] DATE: [Date]

SEAL
X
4377
ENGINEER
REGISTERED
STATE OF VIRGINIA

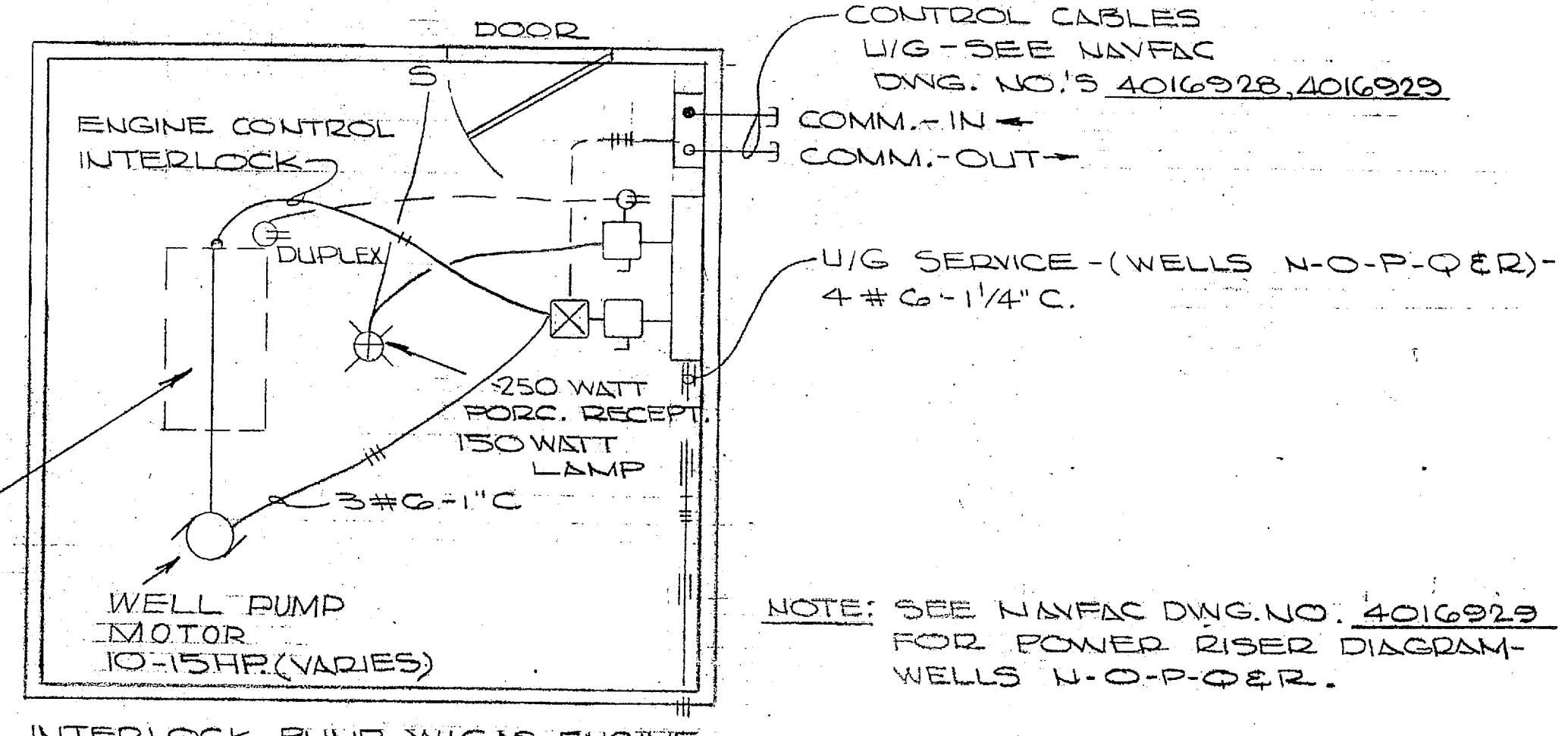
80091



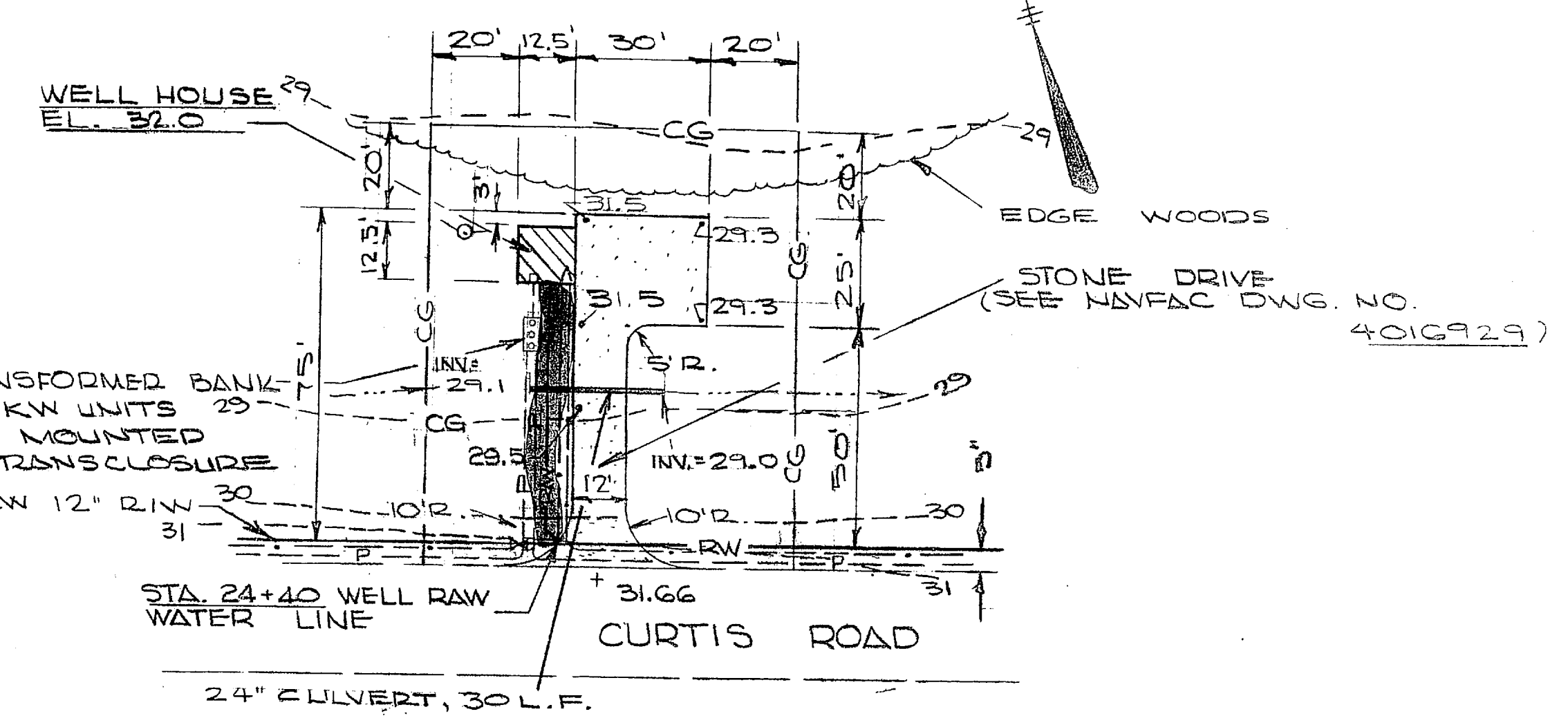
REVISIONS			
NO.	DESCRIPTION	DATE	BY



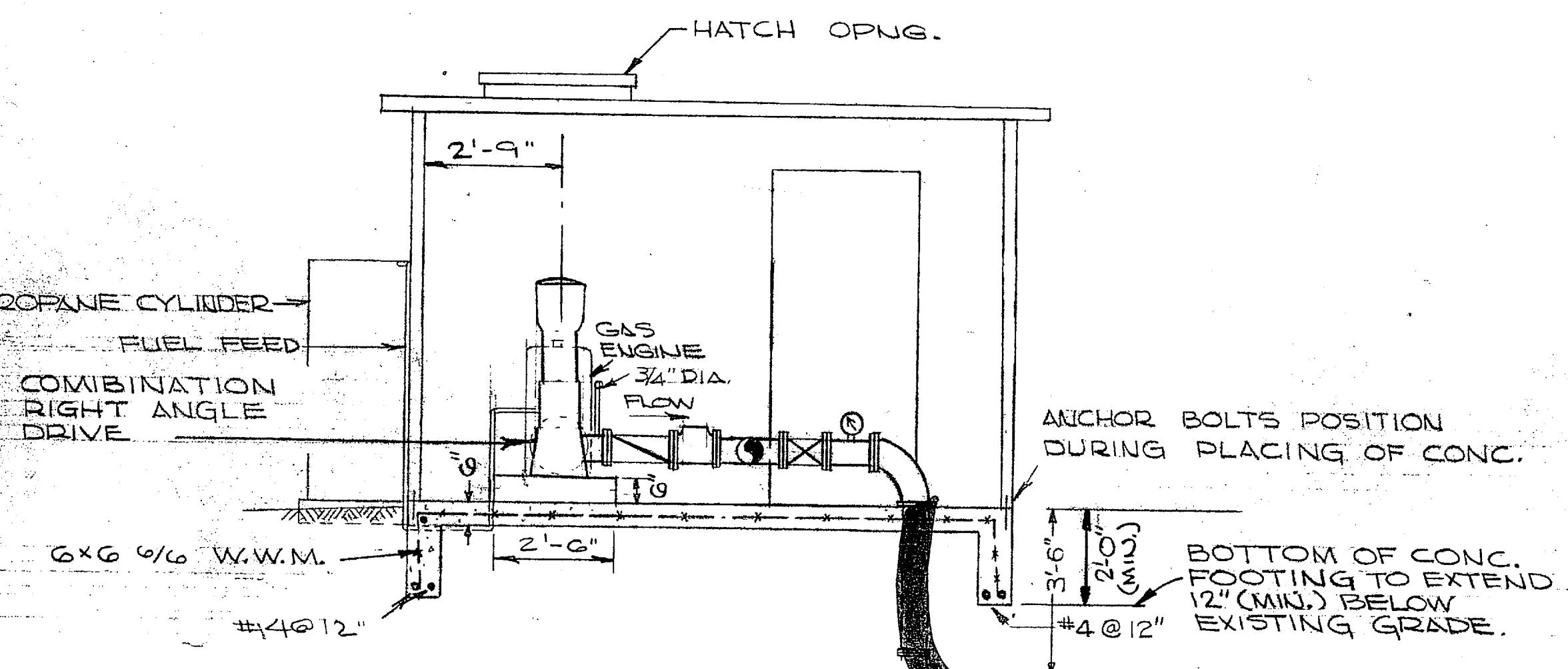
PIPING PLAN
SCALE: 3/8" = 1'-0"



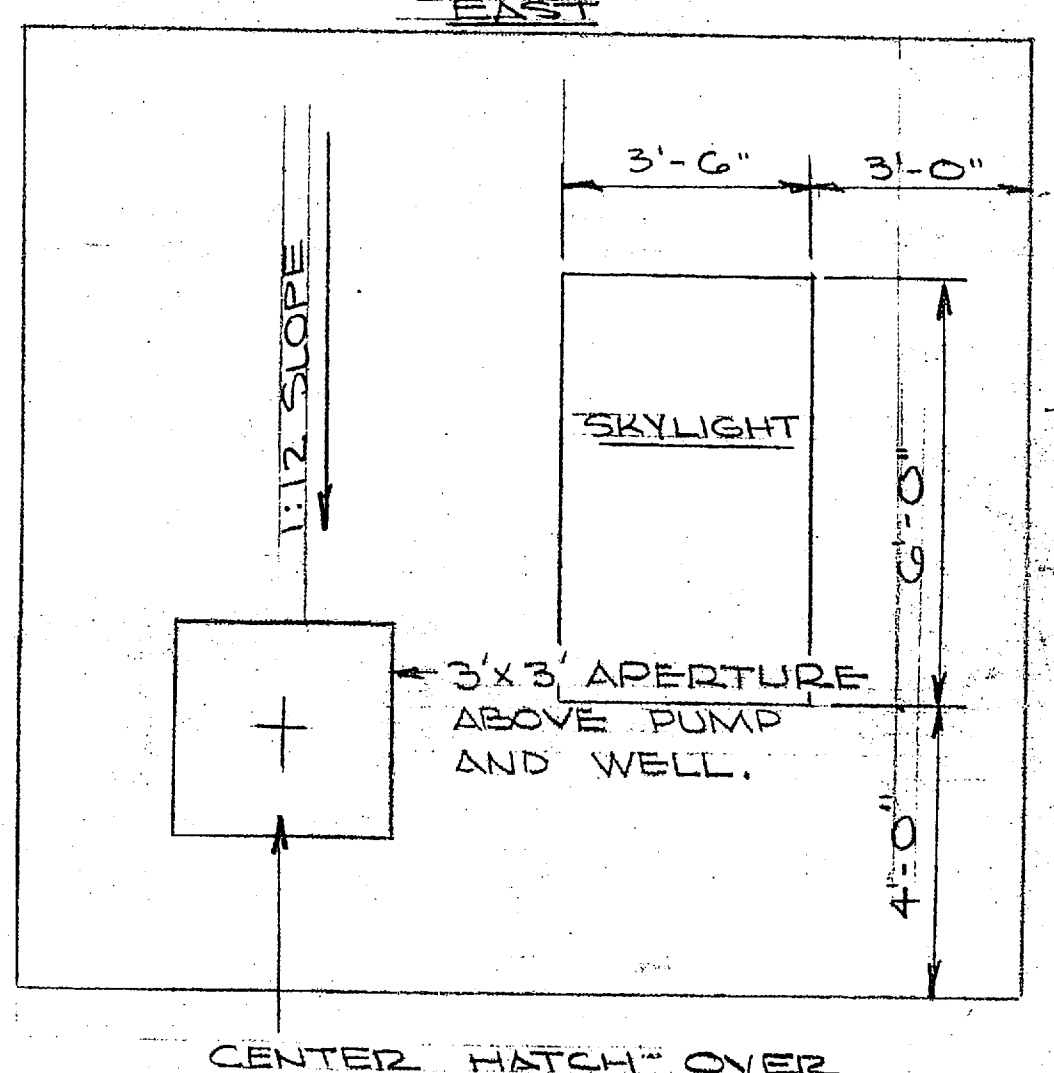
ELECTRICAL PLAN
NO SCALE



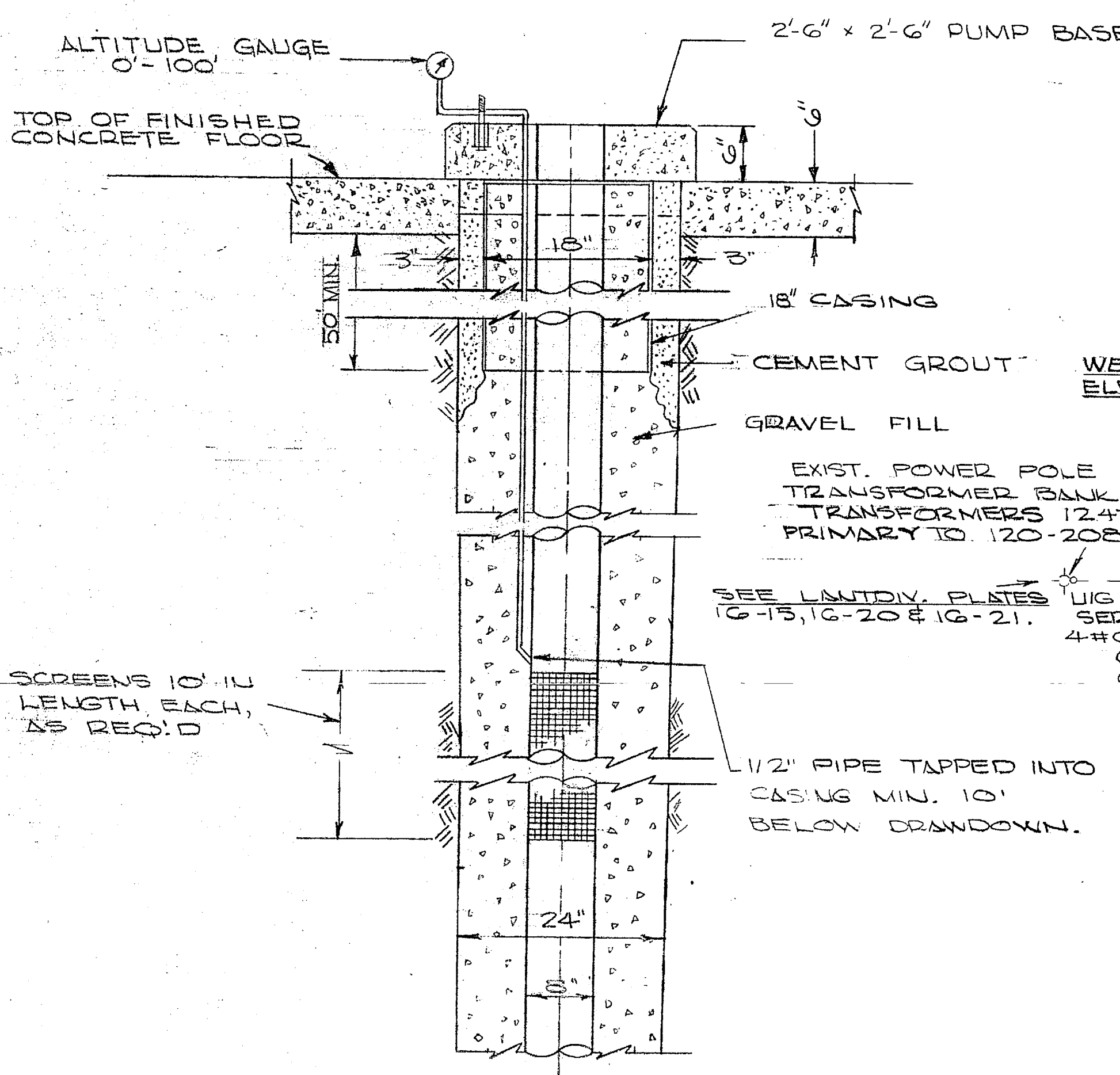
WELL SITE "O"
SCALE: 1" = 30'



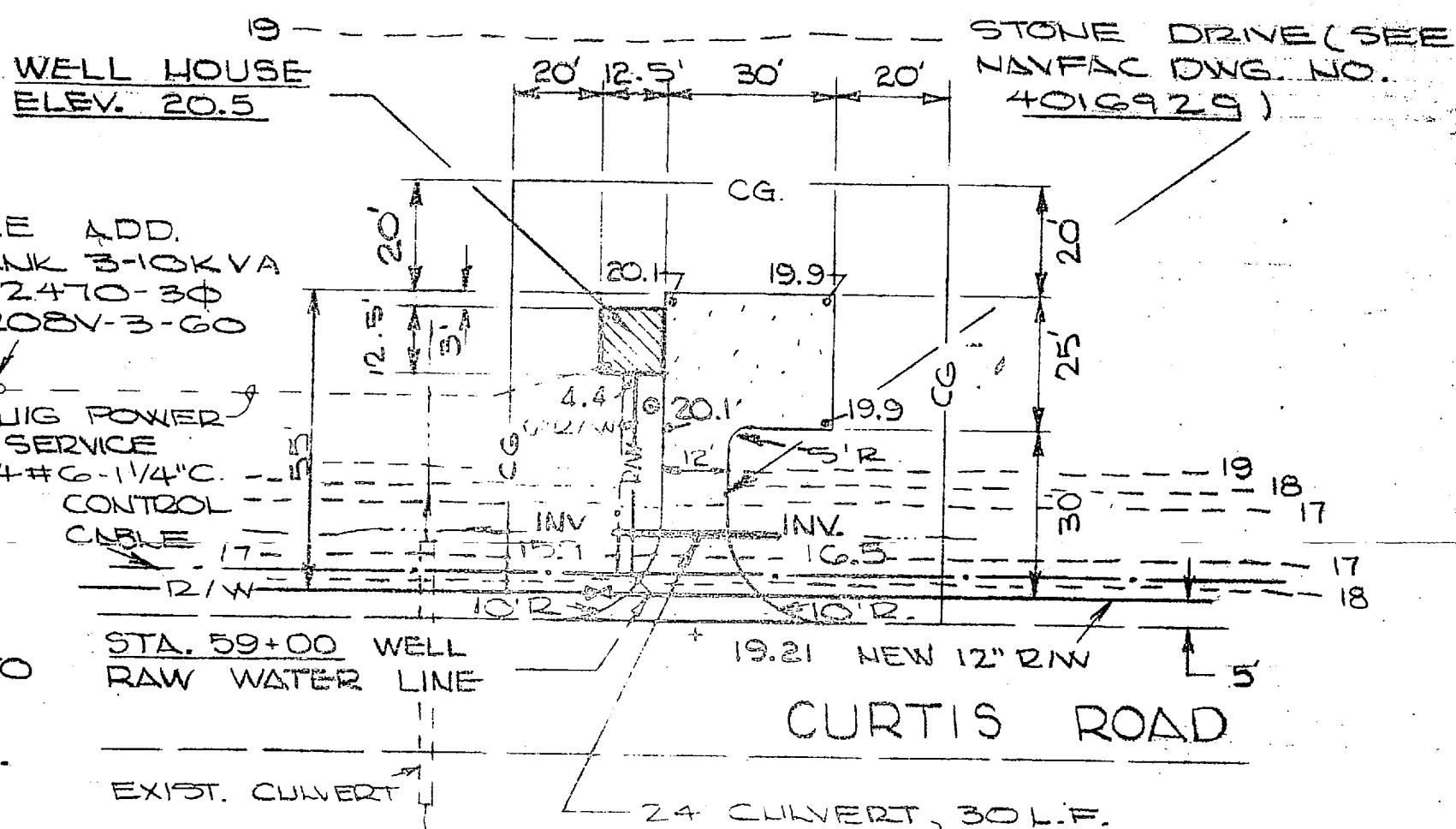
SECTION
SCALE: 3/8" = 1'-0"



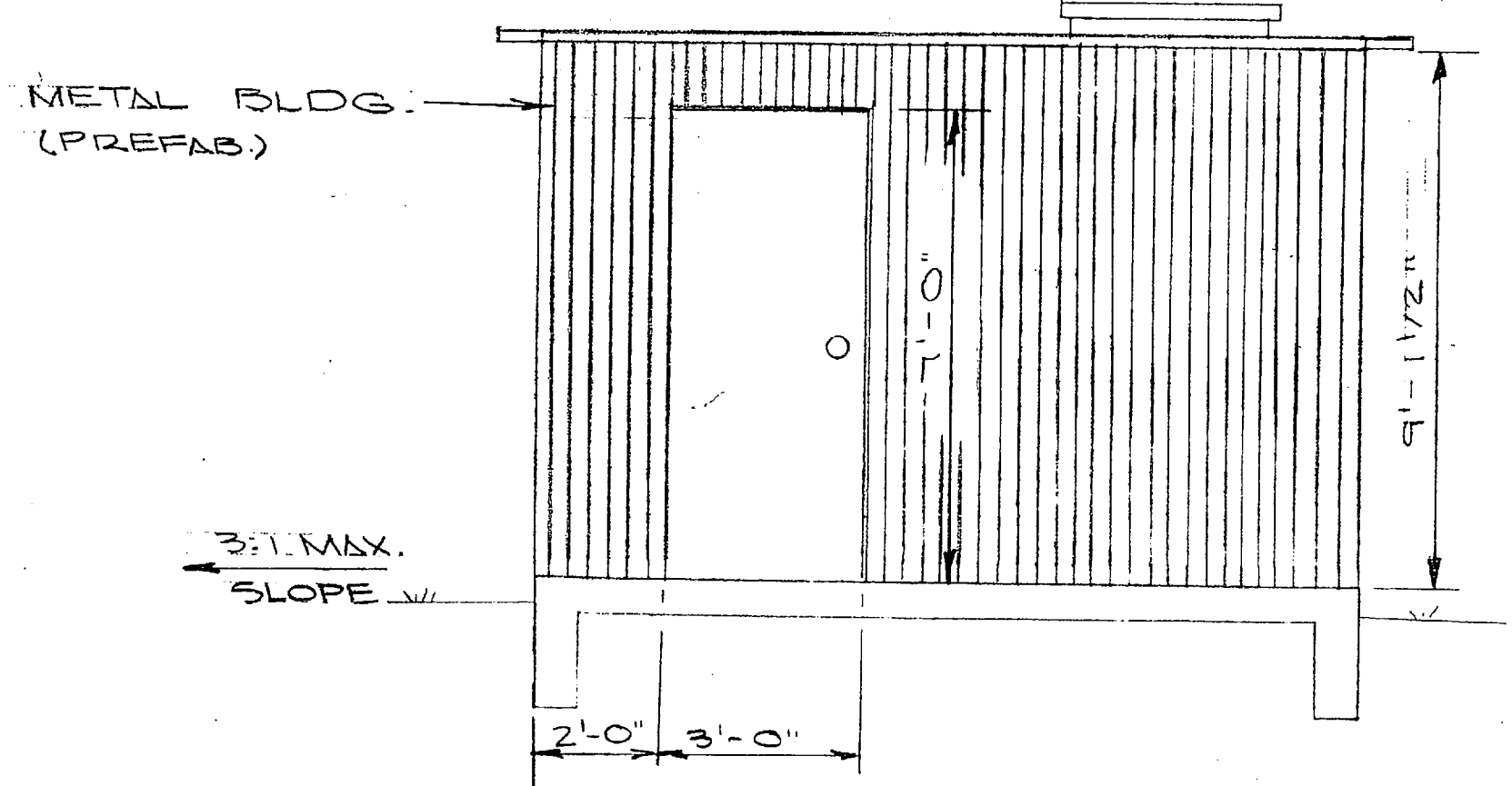
ROOF PLAN
SCALE: 3/8" = 1'-0"



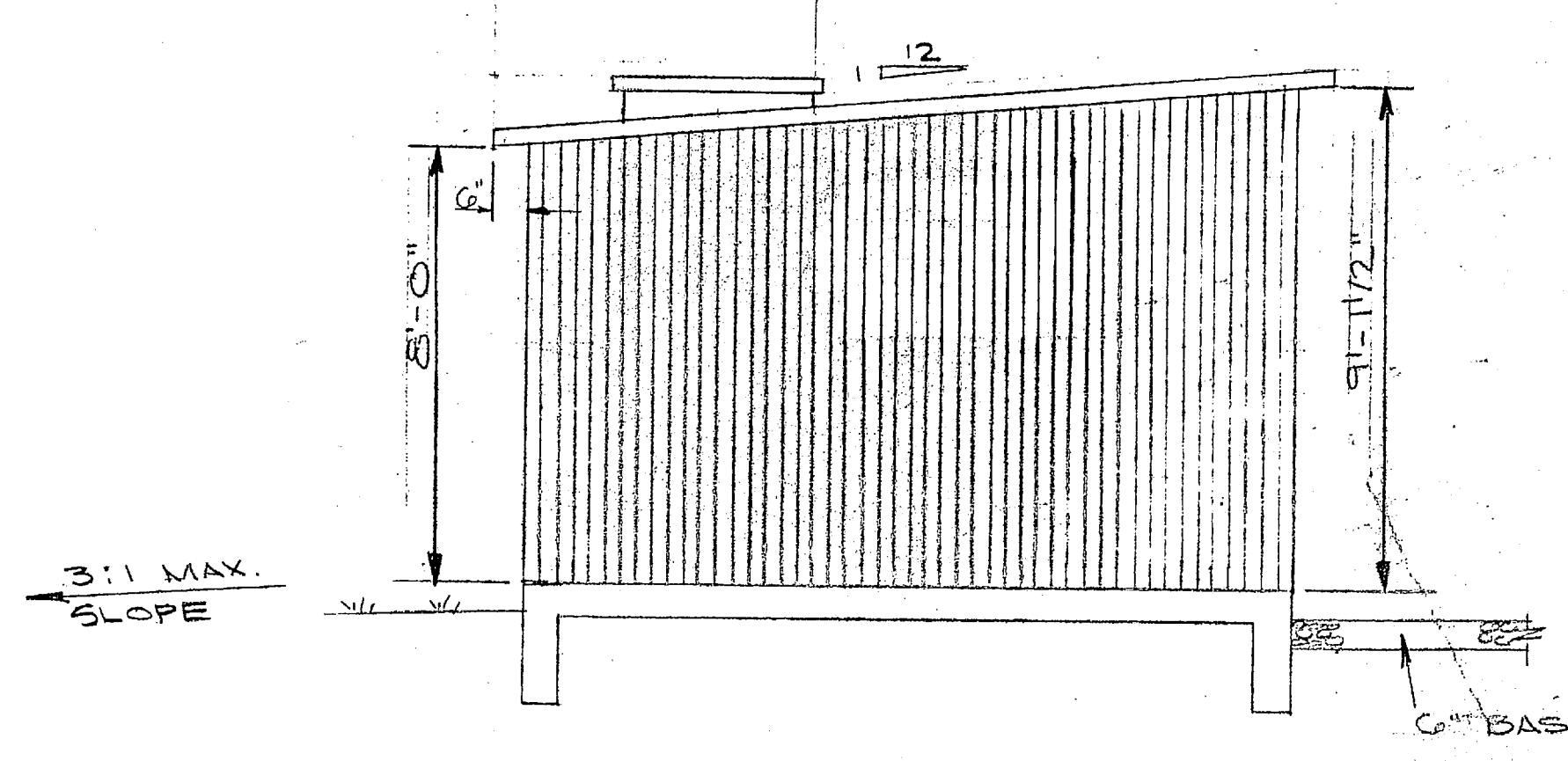
GRAVEL DUCKED WELL
SCALE: 1" = 1'-0"



WELL SITE "R"
SCALE: 1" = 30'

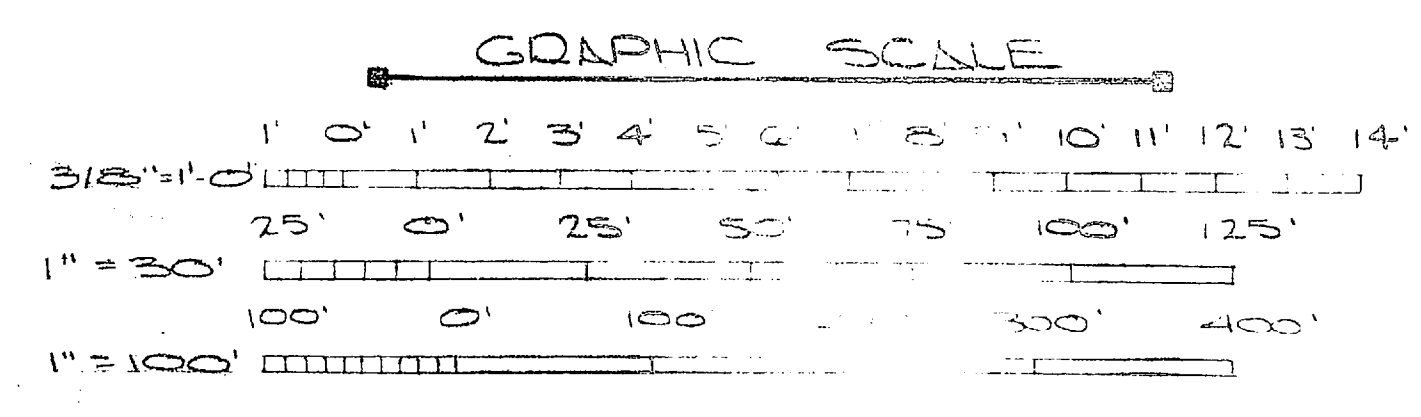


EAST ELEVATION
SCALE: 3/8" = 1'-0"

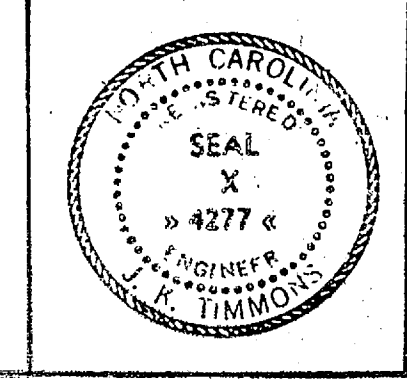


SOUTH ELEVATION
SCALE: 3/8" = 1'-0"

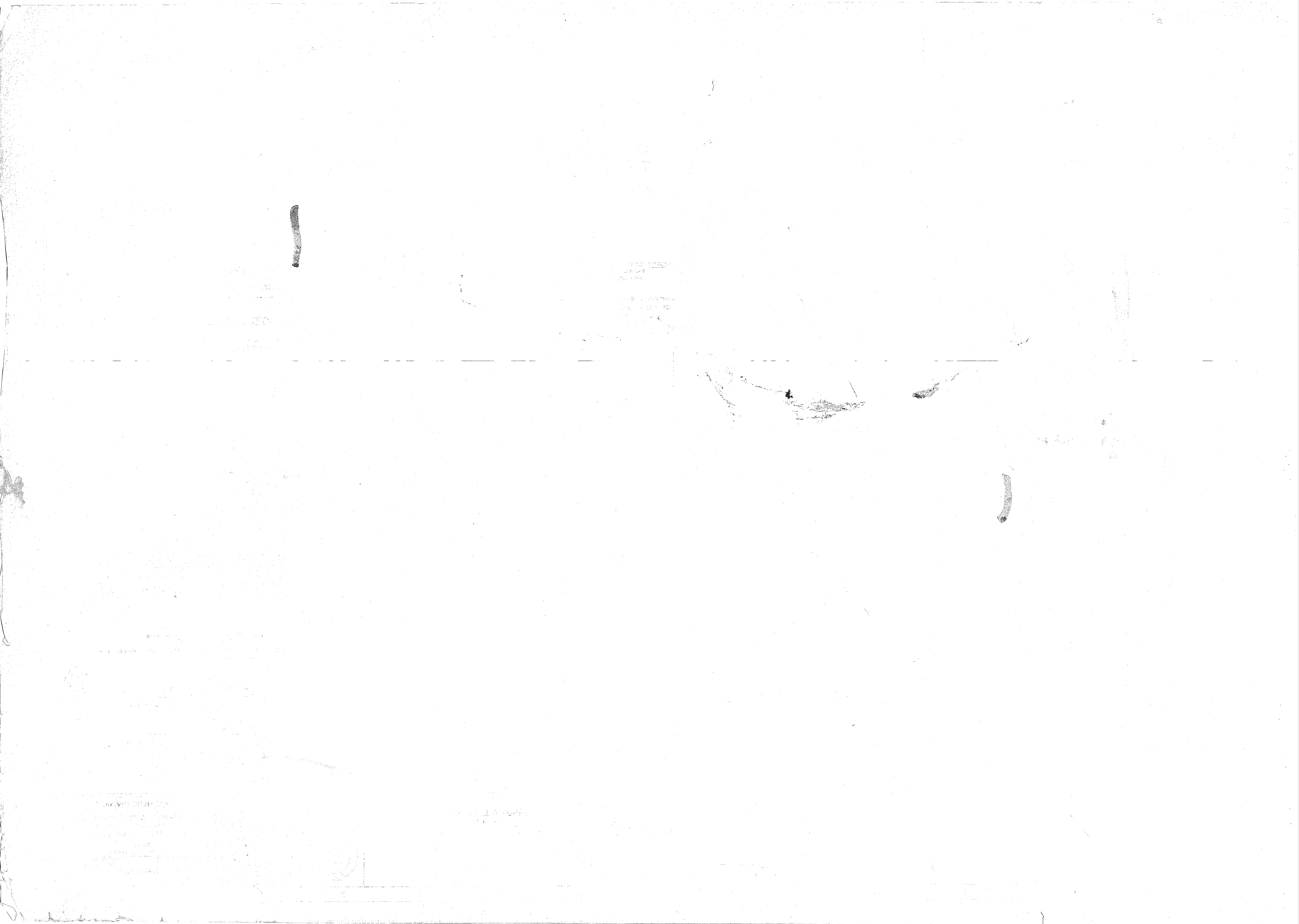
LEGEND
CG - LIMITS OF AREA TO BE CLEARED, TOP SOILED AND SEEDED.



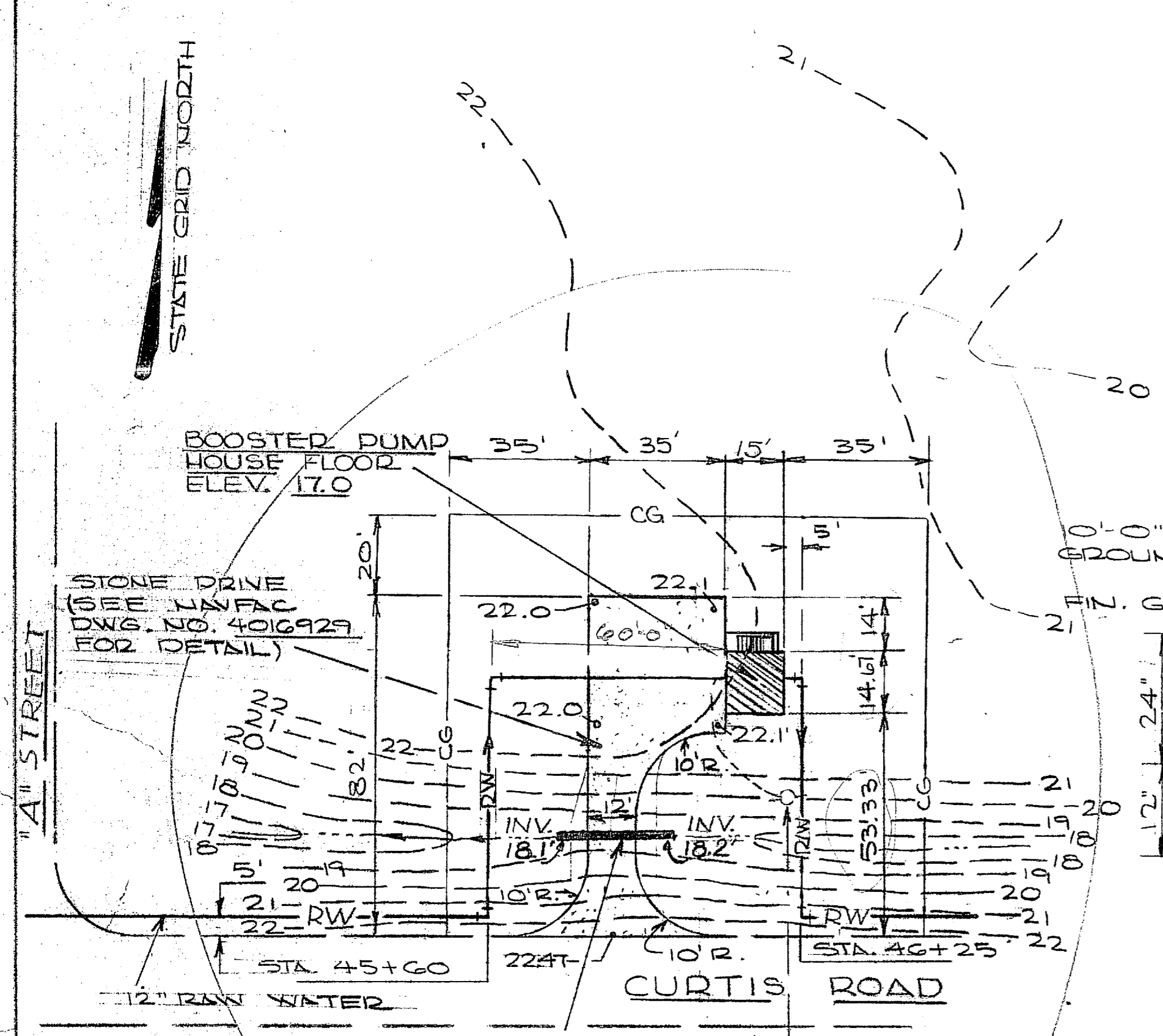
NOTE: SEE NAVFAC DWG. NO. 4016289 FOR ABBREVIATIONS & LEGEND.



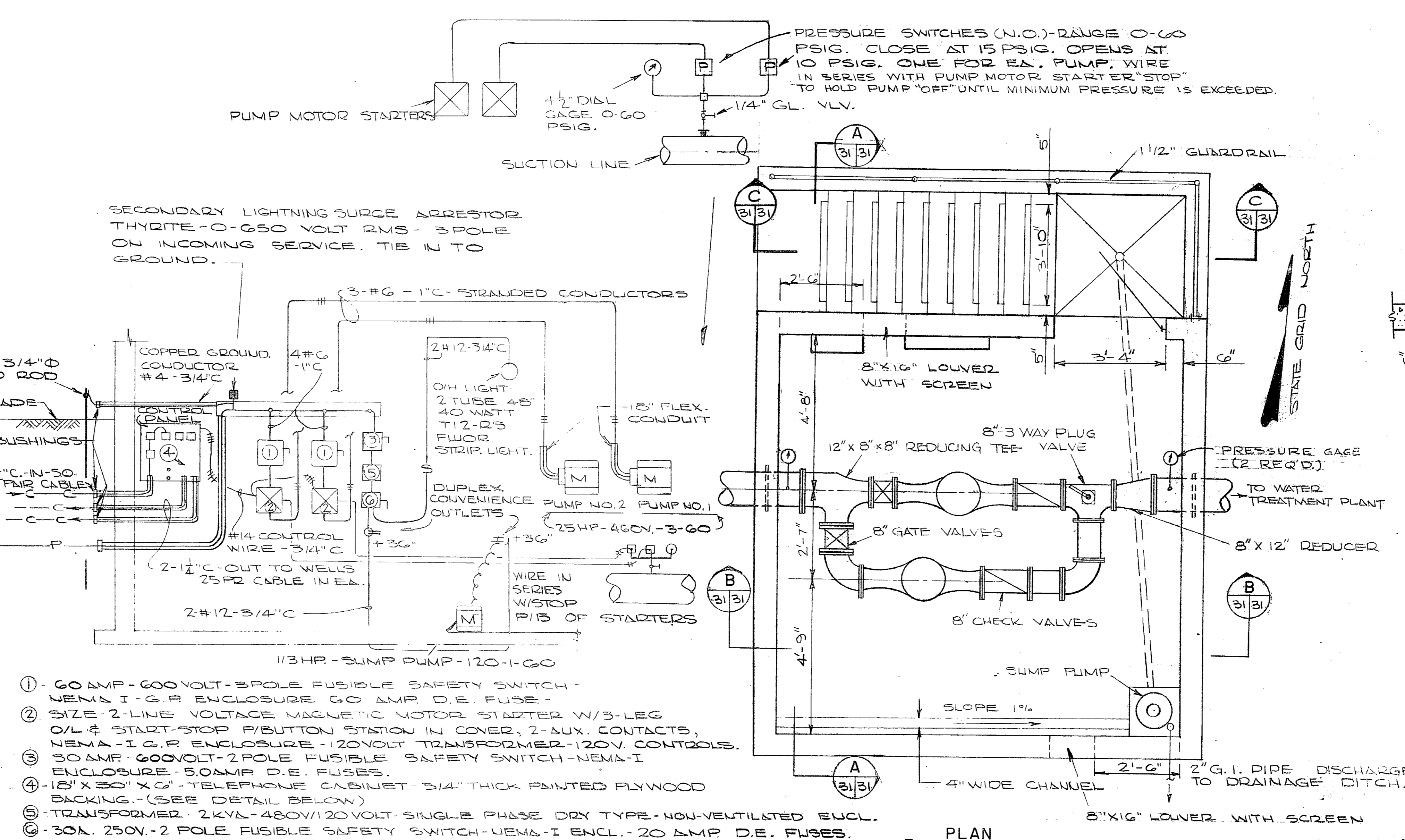
J. K. TIMMONS & ASSOC., INC. 1314 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.
PROJ. MGR. M. L. E. PRCL / D. B. SHK. M. L. S. SUBMITTED BY: [Signature] DATE: [Date] BY: [Signature] DATE: [Date] FIRM MEMBER: [Signature] PRINCIPAL	NEW OVER MARINE CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA UTILITY EXPANSION WELLS SITE & ELECTRICAL
APPROVED: [Signature] DATE: [Date] OFFICIAL IN CHARGE	APPROVED: [Signature] DATE: [Date] OFFICIAL IN CHARGE
8009	4016289



REVISIONS			
NO.	DESCRIPTION	DATE	BY

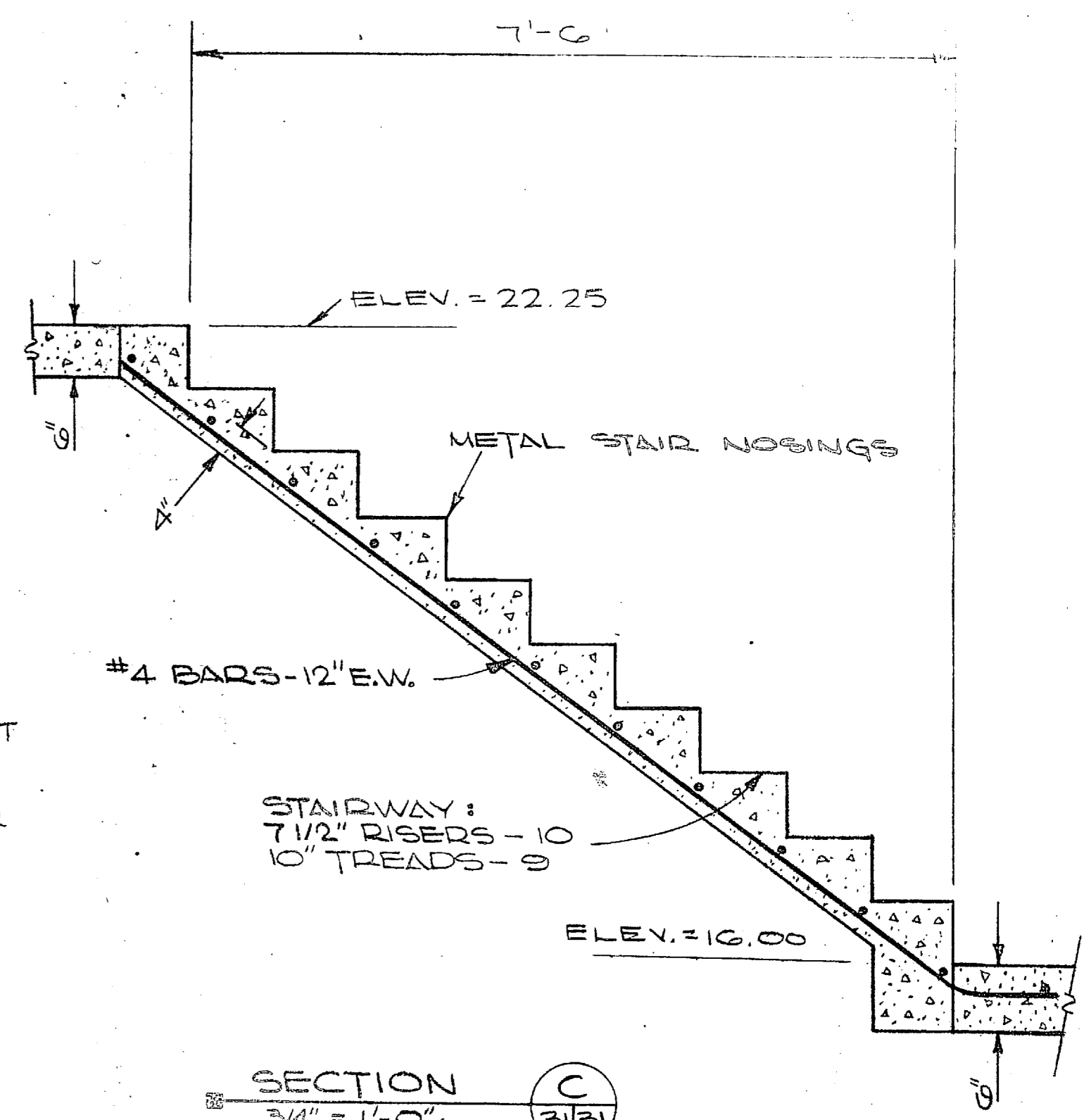


BOOSTER PUMP STATION
 1" = 30'
 NOTE: SEE N&P/C DWS. NO. 4016/21 FOR LOC.
 NO. 4016/21 FOR LOC.

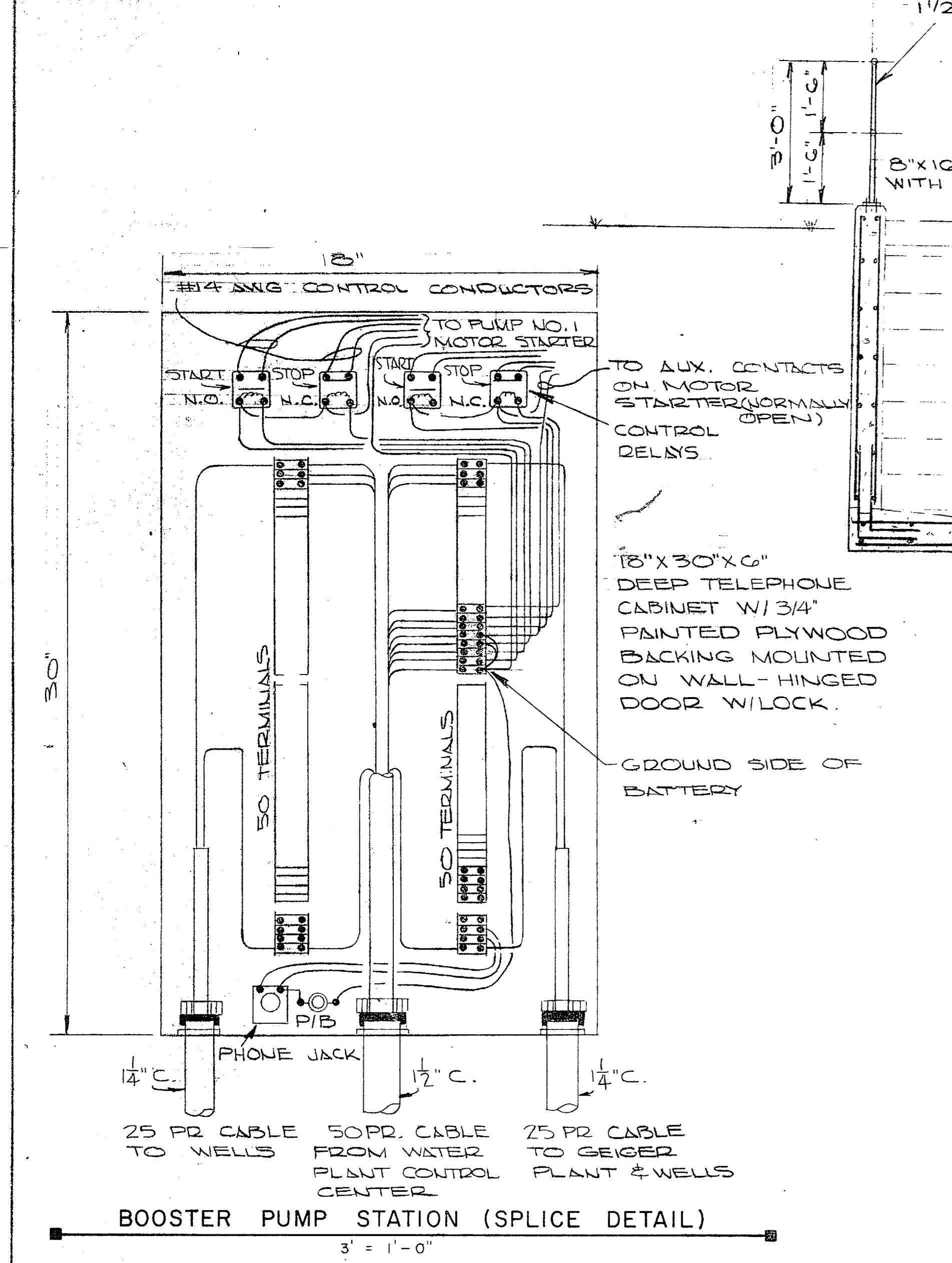


POWER RISED DIAGRAM-CURTIS ROAD BOOSTER PUMPING STATION
 NO SCALE

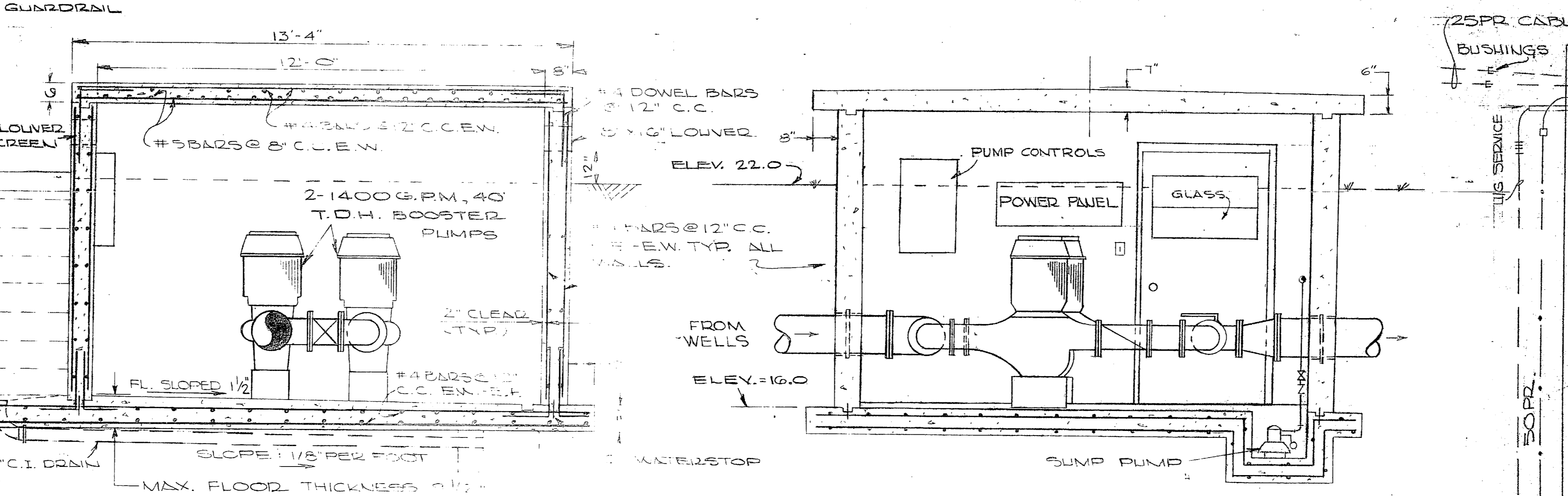
- 60 AMP - 600VOLT - 3POLE FUSIBLE SAFETY SWITCH - NEMA-1 ENCLOSURE 60 AMP D.E. FUSE
- SIZE 2-LINE VOLTAGE MAGNETIC MOTOR STARTER W/3-LEG O/L & START-STOP P/BUTTON STATION IN COVER, 2-AUX. CONTACTS, NEMA-1 ENCLOSURE - 120VOLT TRANSFORMER - 120V. CONTROLS.
- 30 AMP 600VOLT - 2POLE FUSIBLE SAFETY SWITCH - NEMA-1 ENCLOSURE - 50AMP D.E. FUSES.
- 18" X 30" X 6" - TELEPHONE CABINET - 3/4" THICK PAINTED PLYWOOD BACKING - (SEE DETAIL BELOW)
- TRANSFORMER - 2KV/480V/120VOLT - SINGLE PHASE DRY TYPE - NON-VENTILATED ENCL.
- 30A. 250V. 2 POLE FUSIBLE SAFETY SWITCH - NEMA-1 ENCL. - 20 AMP D.E. FUSES.



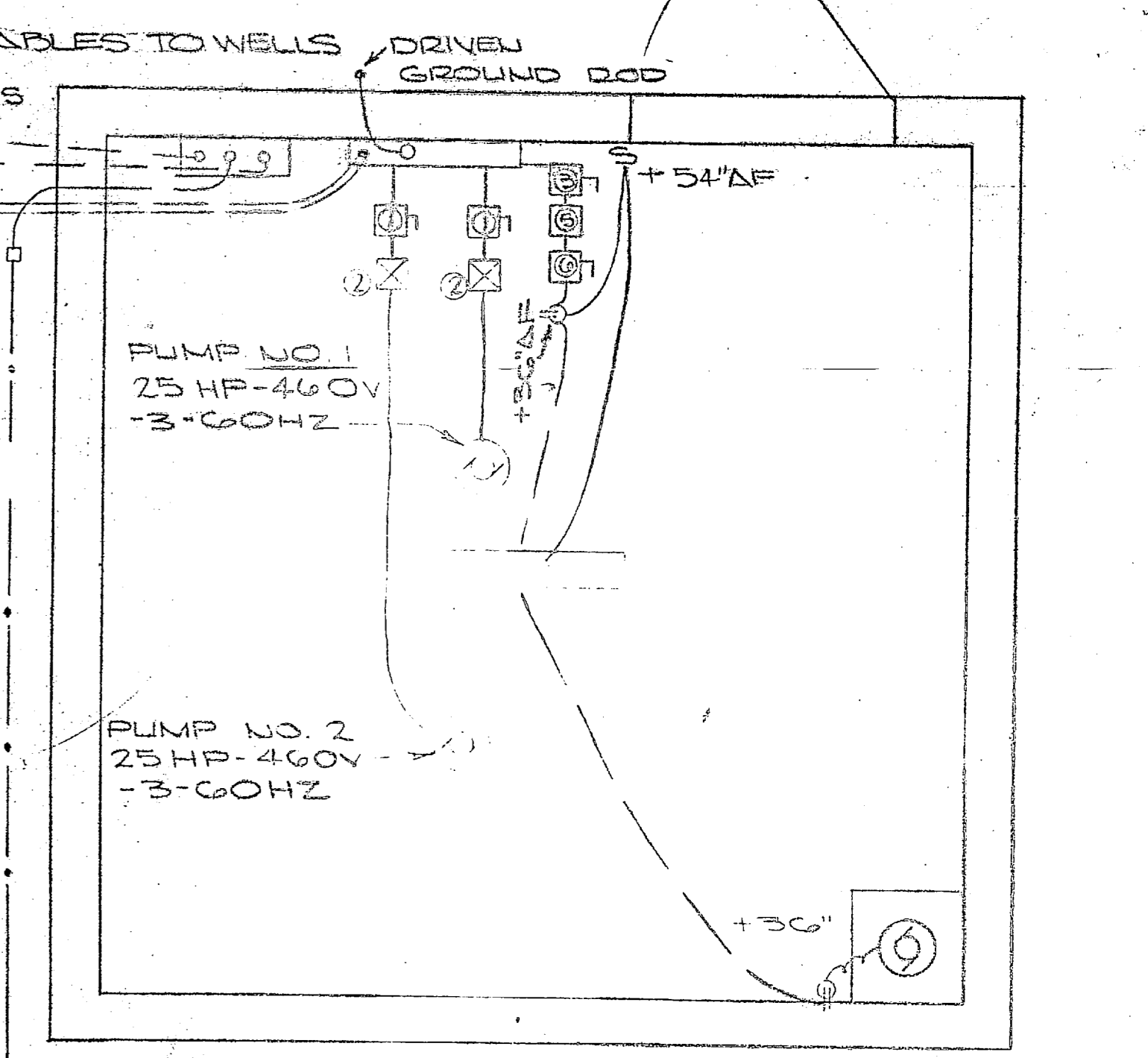
SECTION
 3/4" = 1'-0"



BOOSTER PUMP STATION (SPlice DETAIL)
 3" = 1'-0"



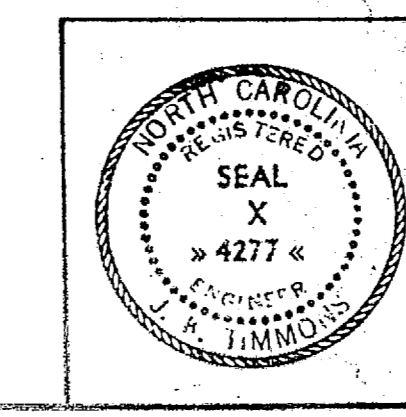
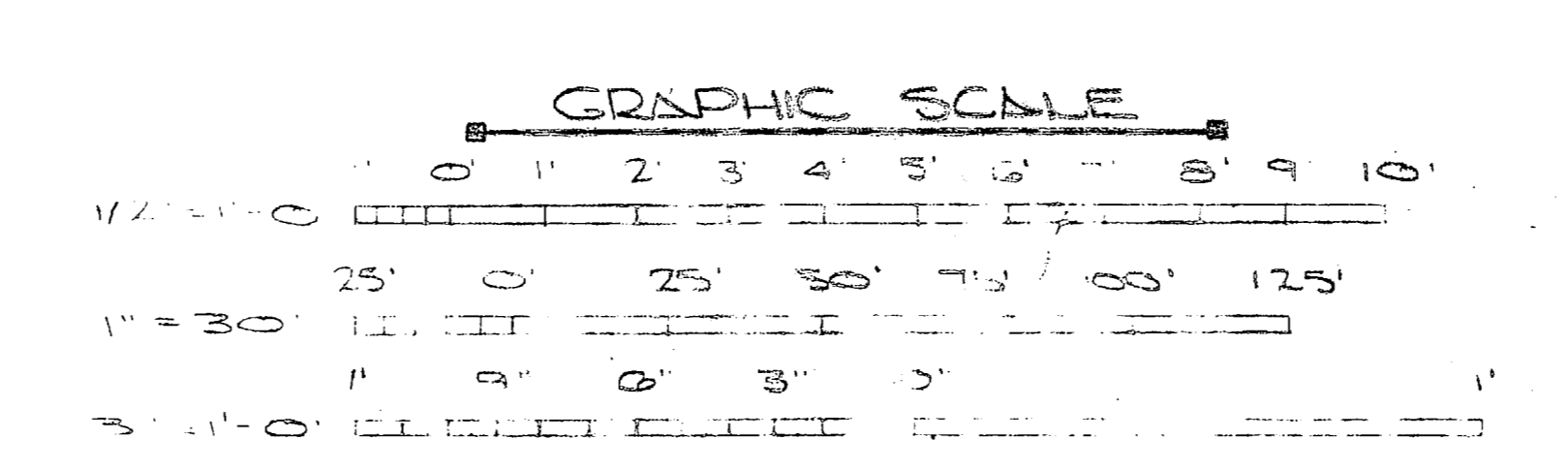
SECTION
 1/2" = 1'-0"



ELECTRICAL PLAN
 1/2" = 1'-0"

TO PAD MTD. 75 KVA TRANSFORMER
 12,470V PRIMARY
 277/480V - 3-C-Ø SECONDARY

22.99 Bm

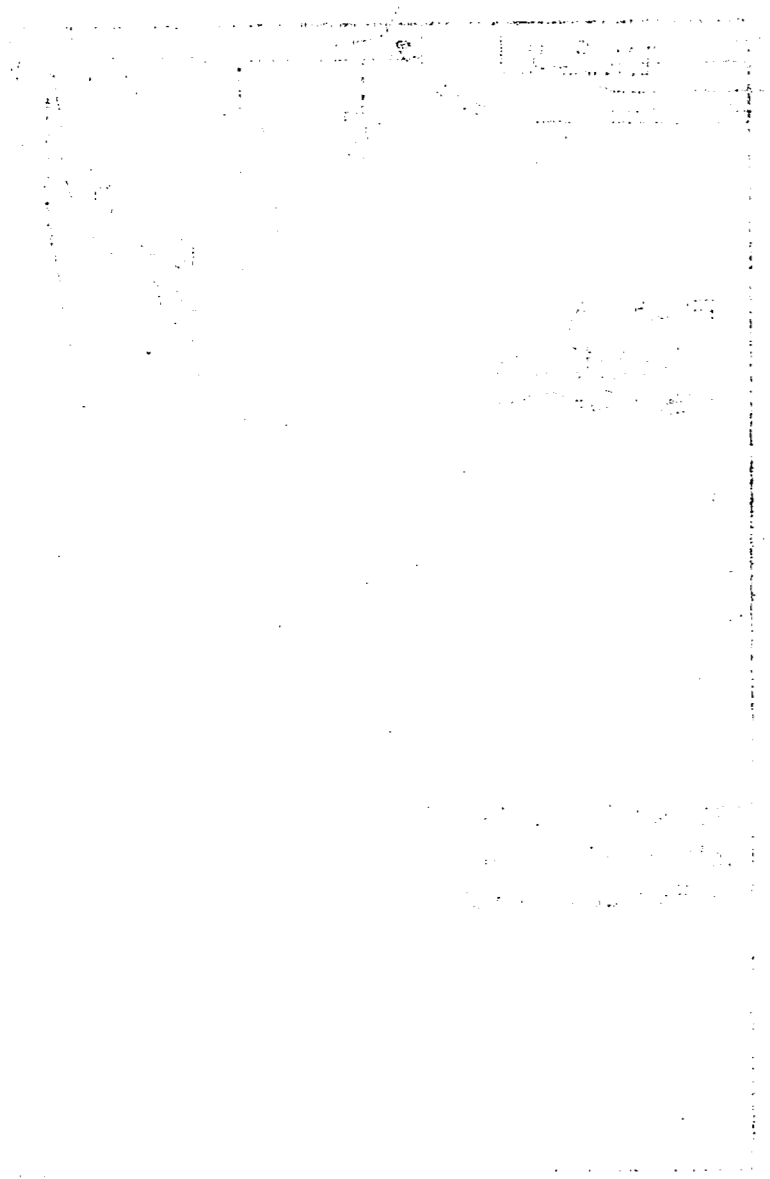


J. K. TIMMONS & ASSOC., INC. 134 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NEW RIVER MARINE CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA UTILITY EXPANSION
DES. BY: C. DE C. L. / D. B. C. H. / B. B. C. PROJ. MGR. M. L. B. C. H. / E. G. J. L. L. SUBMITTED BY: M. L. B. C. H. / 9/11/74	PRINCIPAL RVD - 4277 DIR - 4277
FIRM MEMBER	OFFICER IN CHARGE
APPROVED: [Signature]	DATE: 9/11/74
APPROVED: [Signature]	DATE: 9/11/74
FOR EFD FOR COMMAND USE	FORM AS SHOWN: 73-1155

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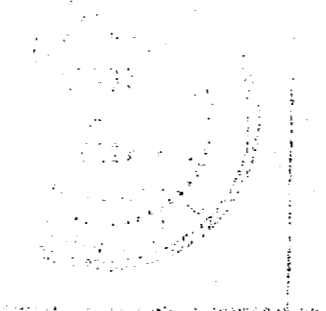
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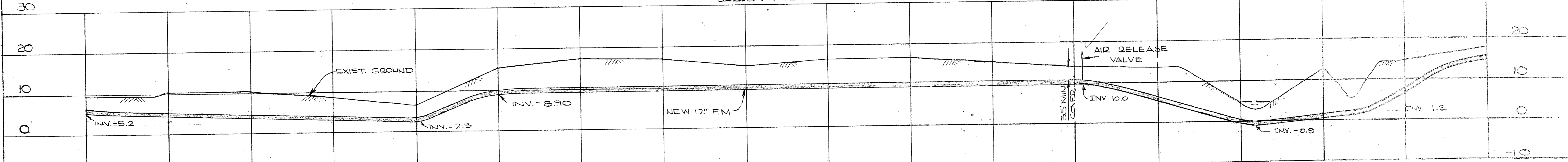
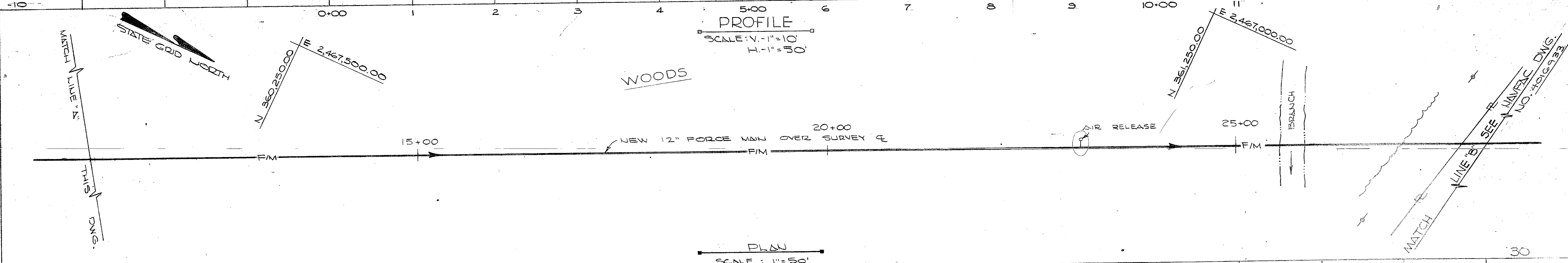
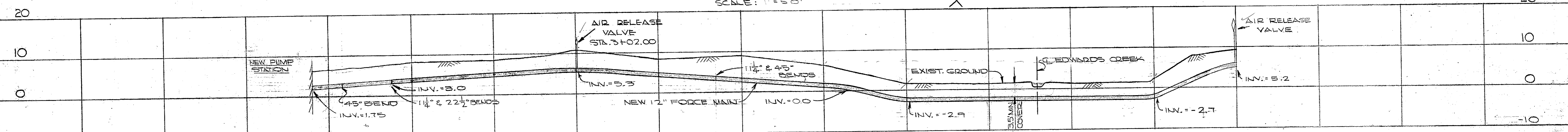
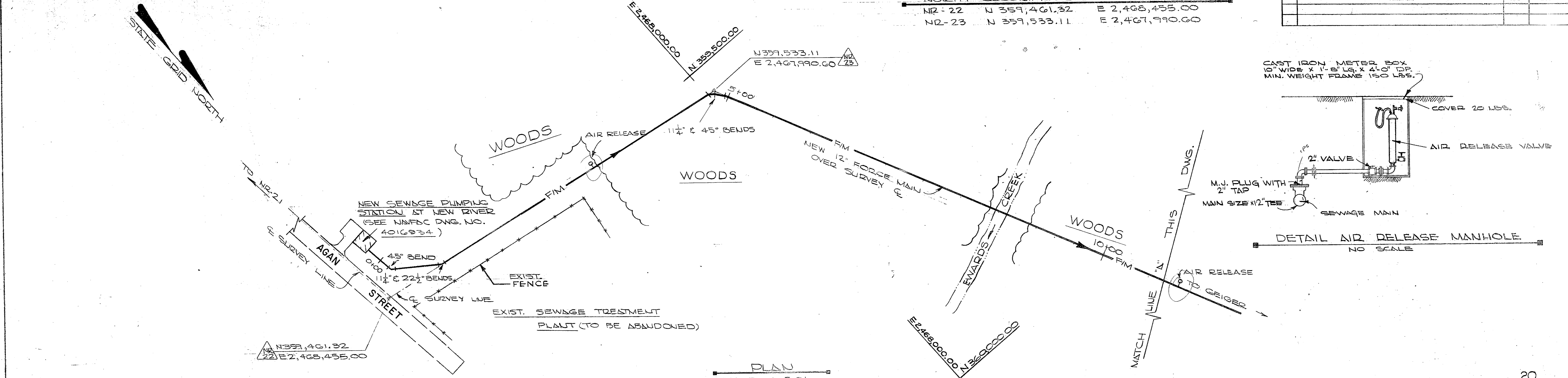
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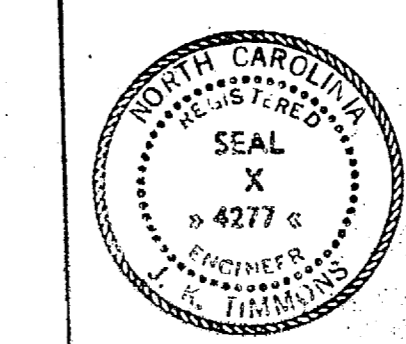
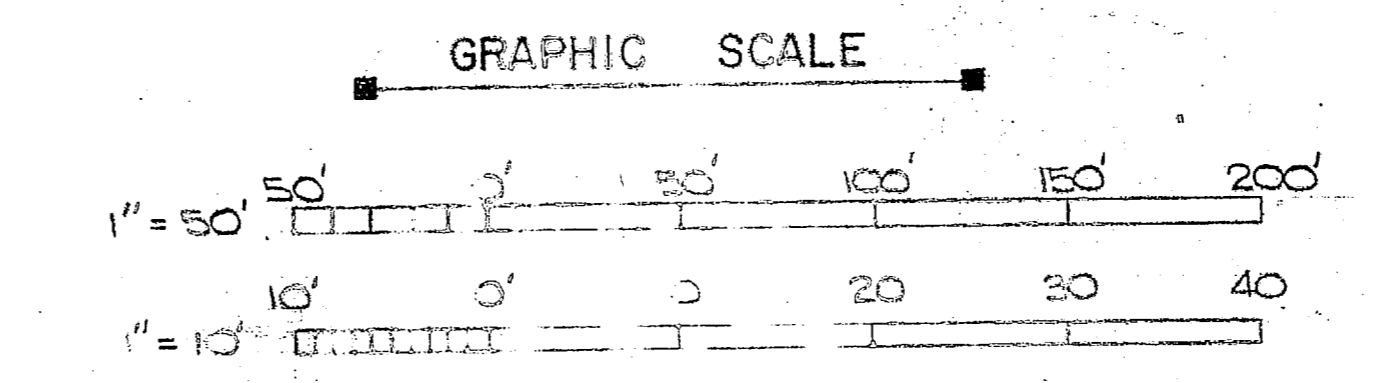


NORTH CAROLINA STATE COORDINATES
 NR-22 N 359,461.32 E 2,468,455.00
 NR-23 N 359,533.11 E 2,467,990.60

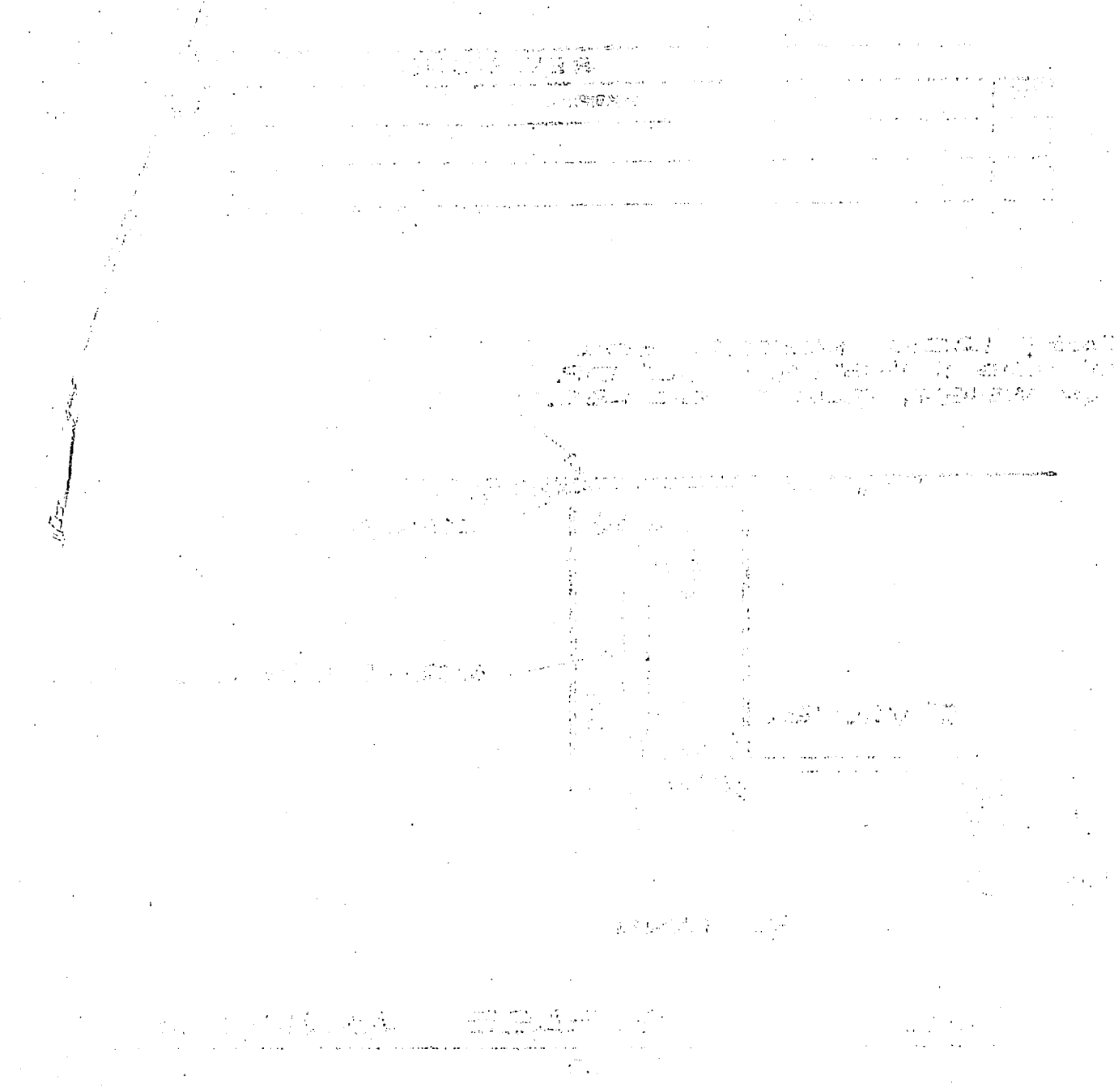
REVISIONS	
NO.	DESCRIPTION



NOTE: SEE NMFAC DWG'S NO. 4016889 AND NO. 4016934 FOR ABBREVIATIONS AND LEGEND.



J. K. TIMMONS & ASSOC., INC. 1314 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NORFOLK, VA.	
DES. M.L.B., DR.C.L./D.B., CHK. M.L.L. SUBMITTED BY: YD A. BLOD DATE: 9/12/70 FIRM MEMBER: PRINCIPAL EFF. DATE: RVD J. K. Timmons		PROJECT STATION: NEW RIVER TO GEIGER PROJECT: NEW RIVER TO GEIGER AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA UTILITY EXPANSION NEW RIVER TO GEIGER FORCE MAIN	
APPROVED: [Signature] OFFICIAL IN CHARGE: [Signature] DATE: 9/12/70		DRAWING NO.: 4016934 SHEET NO.: 46 OF 63 DATE: 9/12/70	



APR 19 1954
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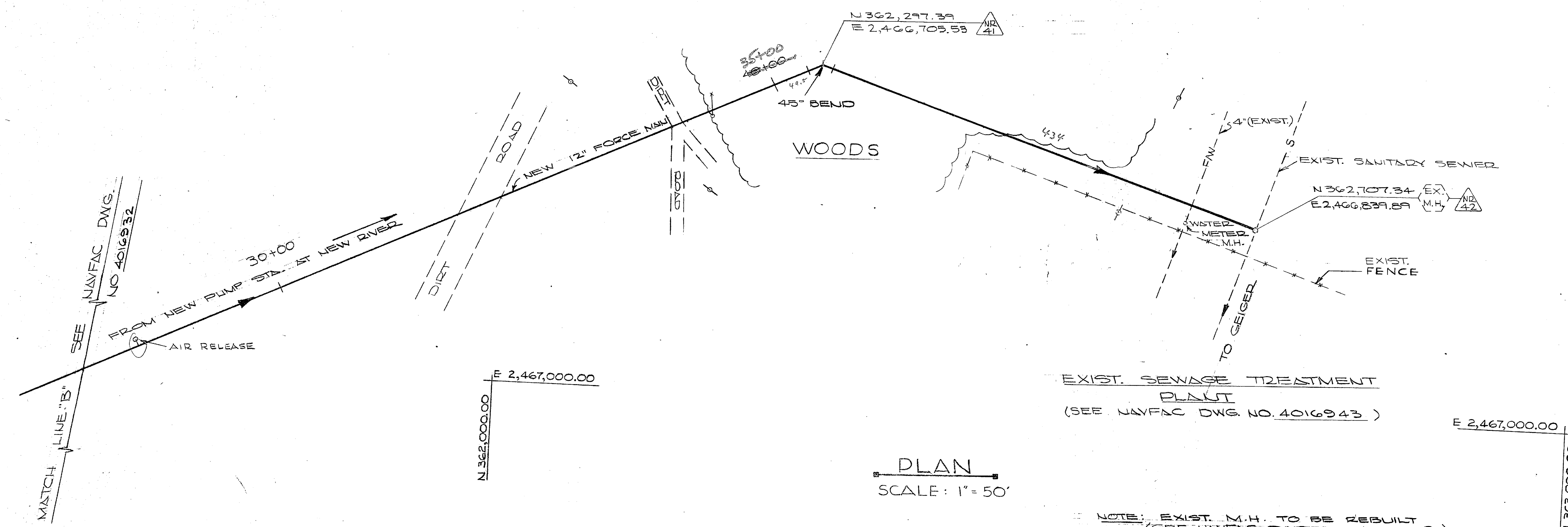
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STATE GRID NORTH

NORTH CAROLINA STATE COORDINATES
 NR. 41: N 362,297.39 E 2,466,705.53
 NR. 42: N 362,107.34 E 2,466,839.89

REVISIONS		
NO.	DESCRIPTION	DATE



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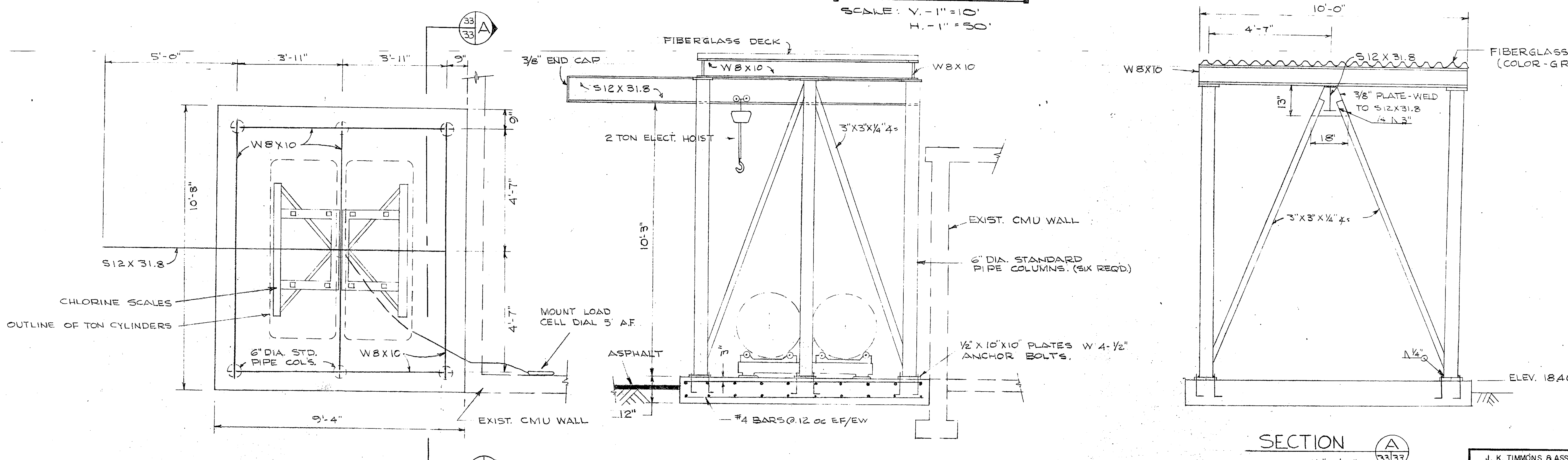
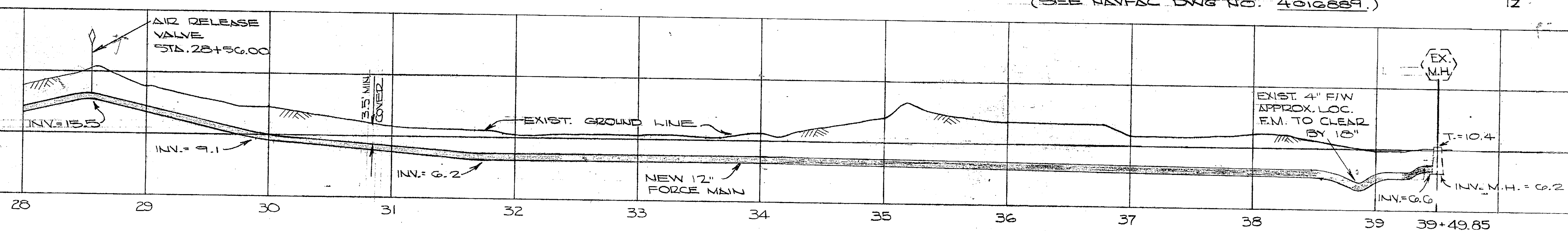
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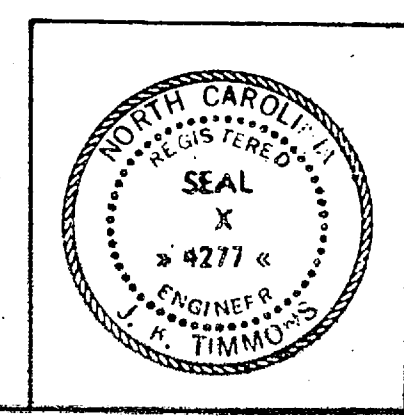
J. K. TIMMONS & ASSOC., INC.
1314 WEST MAIN STREET
RICHMOND, VIRGINIA
CONSULTING ENGINEERS

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NAVAL STATION
NORFOLK, VA.

NEW RIVER TO CENTER FORCE MAIN
UTILITY EXPANSION

DESIGNED BY: J. K. TIMMONS
SUBMITTED BY: J. K. TIMMONS
DATE: 9/10/74
FIRM MEMBER: J. K. TIMMONS
PRINCIPAL: J. K. TIMMONS
APPROVED: J. K. TIMMONS
DATE: 9/10/74

NO. 4016933



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NO. 4016933

SECRET



FORM 1-64

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NORTH CAROLINA STATE COORDINATES
NR. 22 N. 359,461.32 E. 2,468,455.00

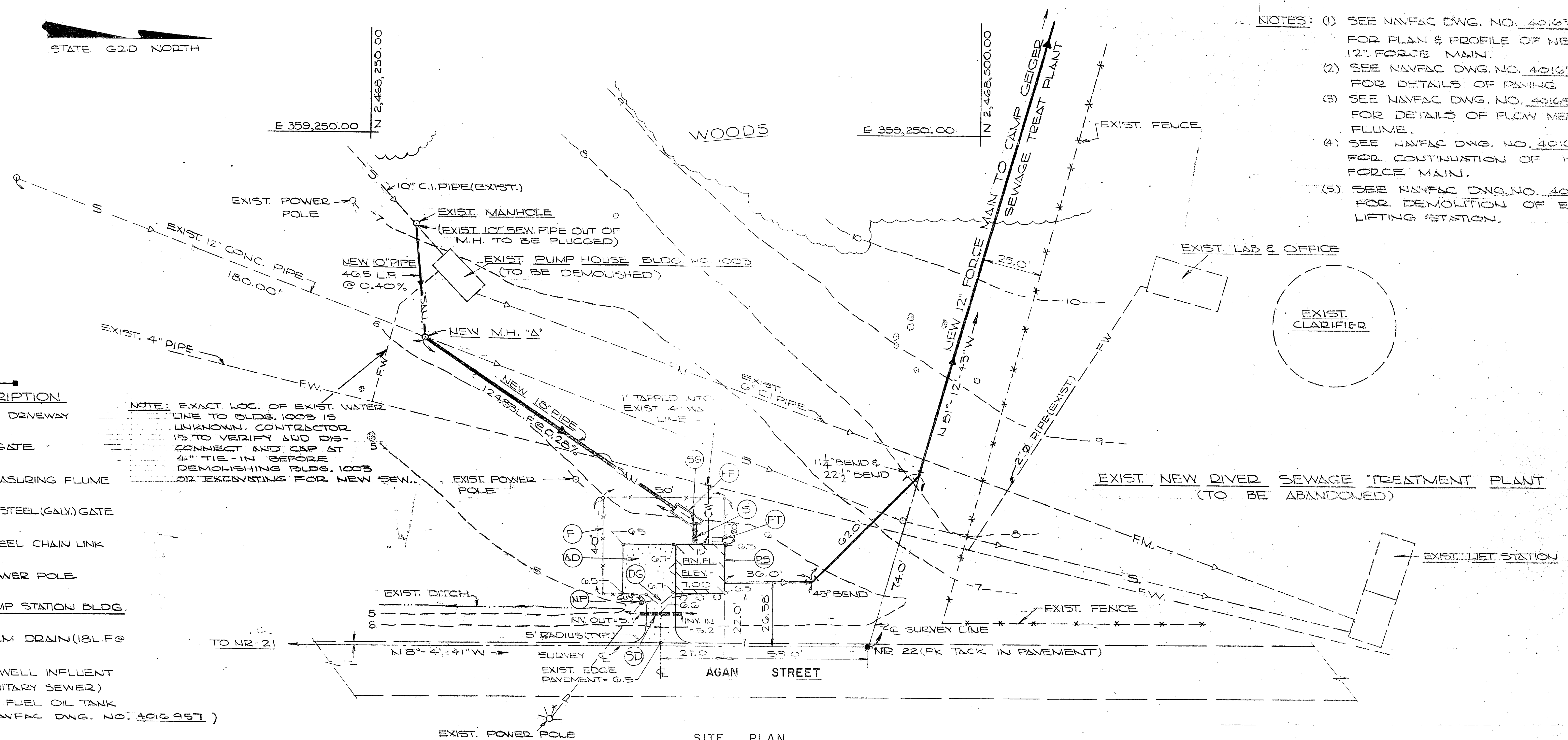
REVISIONS			
NO.	DESCRIPTION	DATE	BY



- NOTES: (1) SEE NAVFAC DWG. NO. 4016882 FOR PLAN & PROFILE OF NEW 12" FORCE MAIN.
 (2) SEE NAVFAC DWG. NO. 4016838 FOR DETAILS OF PAVING ITEMS.
 (3) SEE NAVFAC DWG. NO. 4016841 FOR DETAILS OF FLOW MEASURING FLUME.
 (4) SEE NAVFAC DWG. NO. 4016832 FOR CONTINUATION OF 12" FORCE MAIN.
 (5) SEE NAVFAC DWG. NO. 4016895 FOR DEMOLITION OF EXIST. LIFTING STATION.

SYMBOL	DESCRIPTION
(AD)	ASPHALT DRIVEWAY
(SG)	SLIDE GATE
(FF)	FLOW MEASURING FLUME
(DG)	DOUBLE STEEL (GALV.) GATE
(F)	GALV. STEEL CHAIN LINK FENCE
(NF)	NEW POWER POLE
(PS)	NEW PUMP STATION BLDG.
(SD)	12" STORM DRAIN (18" F @ 0.50%)
(S)	18" WET WELL INFLUENT PIPE (SANITARY SEWER)
(FT)	550 GAL. FUEL OIL TANK (SEE NAVFAC DWG. NO. 4016957)

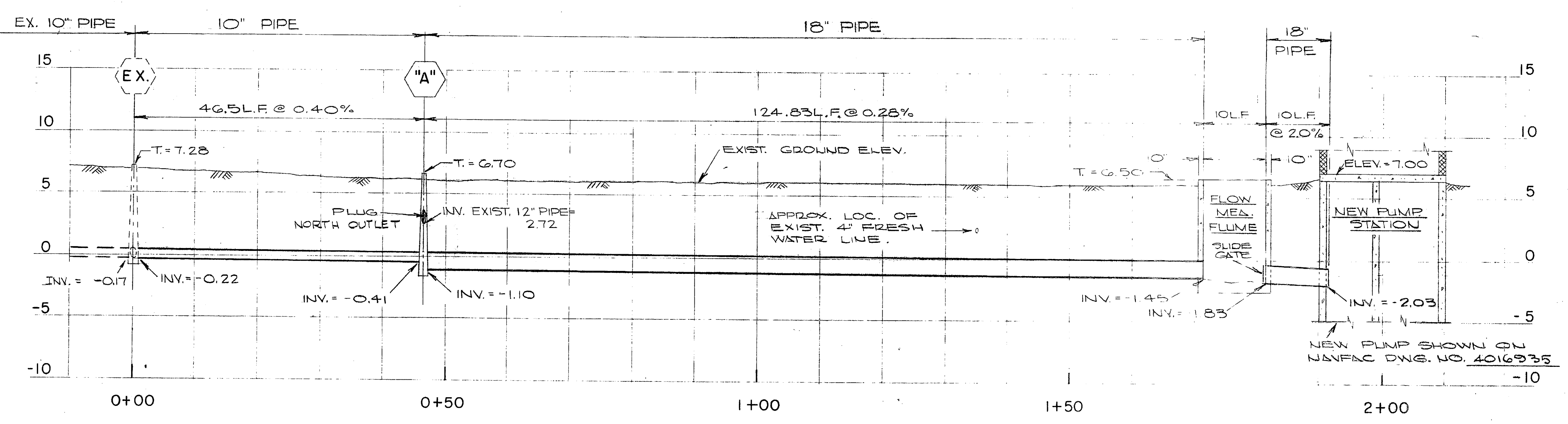
NOTE: EXACT LOC. OF EXIST. WATER LINE TO BLDG. 1003 IS UNKNOWN. CONTRACTOR IS TO VERIFY AND DISCONNECT AND CAP AT 4" TIE-IN BEFORE DEMOLISHING BLDG. 1003 OR EXCAVATING FOR NEW SEW.



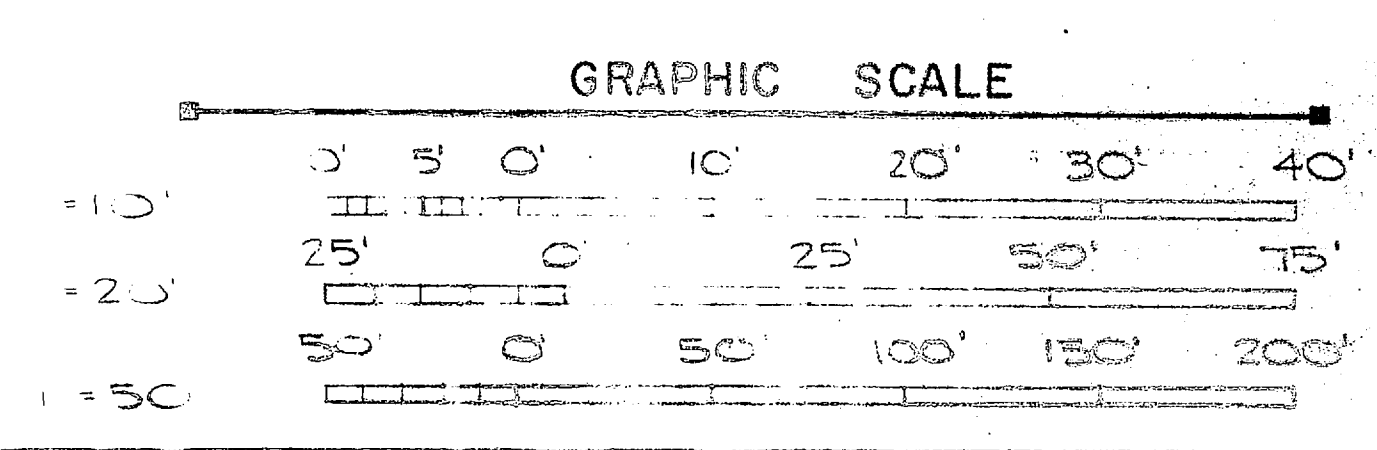
SITE PLAN
SCALE: 1" = 20'

ITEM	EXISTING	NEW
FRESH WATER LINE	— FW —	— CW —
SANITARY SEWER	— S —	— SAN —
CHAIN LINK FENCE	— X —	— X —
FORCE MAIN	— FM —	— FM —
CULVERT	— C —	— C —
STRUCTURES AND EDGE / PAVEMENT	— S —	— S —
CONTOUR LINES	— S —	NONE
SPOT ELEVATIONS	NONE	— 0.0 —
OVERHEAD POWER LINES	— P —	— P —

PLANTINGS:
 NO. REQUIRED - 3 EACH; TYPE - JAPANESE HOLLY (ILEX CRENATA)
 SPACING - 8'-0" cc.; 2' HEIGHT (MINIMUM).



PROFILE - NEW INFLUENT SANITARY SEWER
 SCALE: VER. - 1" = 5'
 HOR. - 1" = 10'



J. K. TIMMONS & ASSOC., INC. 1304 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION
	NAVY REGION III NEW RIVER MARINE CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA
DES. M.L.E. DR. C.L.D. CHK. M.L.E. PROJ. MGR. M.L.E. DR. ENGR. J.M.L.L. SUBMITTED BY: J.M.L.L. DATE: 9/1/78 FIRM MEMBER: J.K.T. & A. DATE: 9/1/78 EFD. MEMBER: J.K.T. & A. DATE: 9/1/78	NEW RIVER PUMP STATION UTILITY EXPANSION SITE PLAN
SEAL X 4277.4	APPROVED: [Signature] OFFICER IN CHARGE DATE: 9/1/78

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E.P.D. NO. H6984

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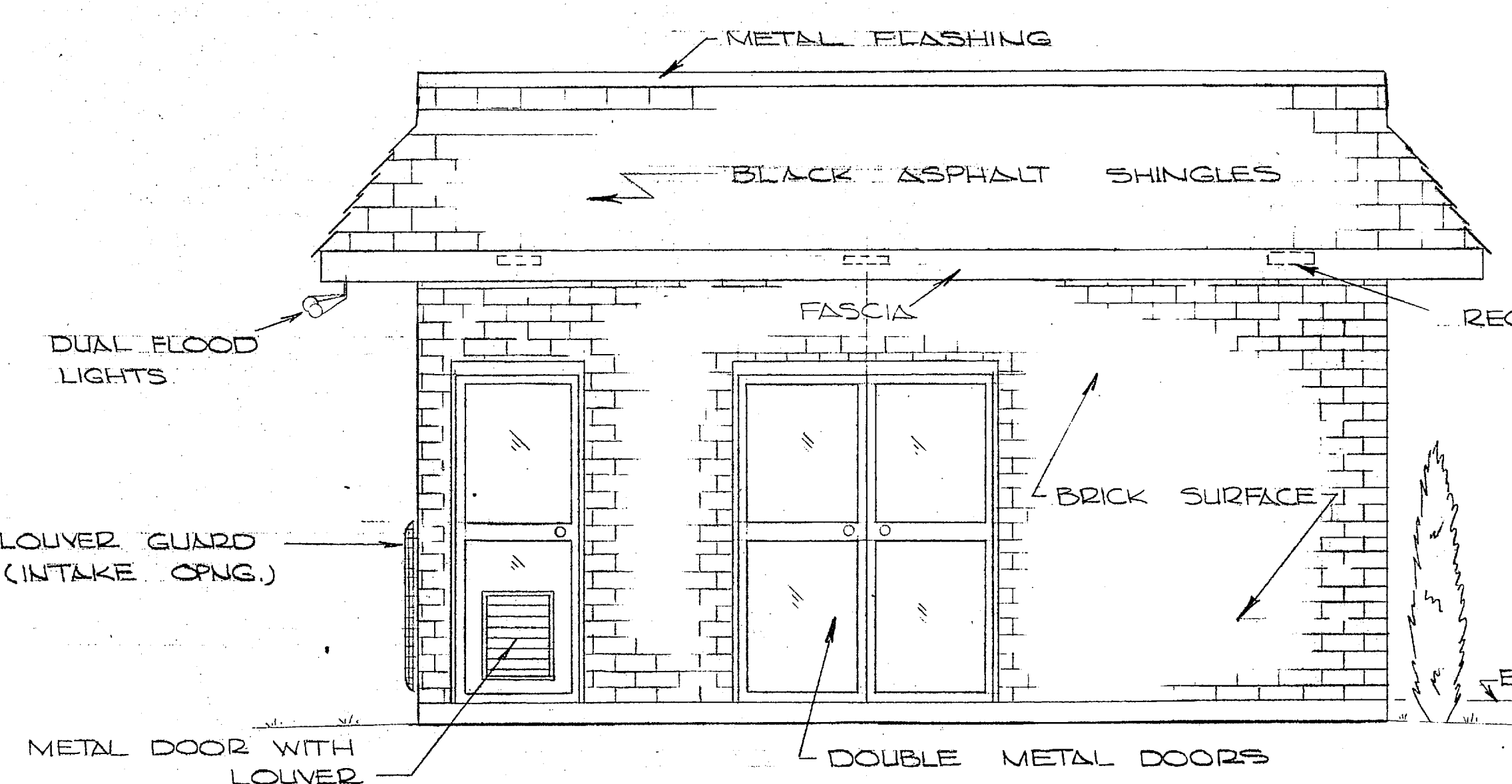
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01-01-94

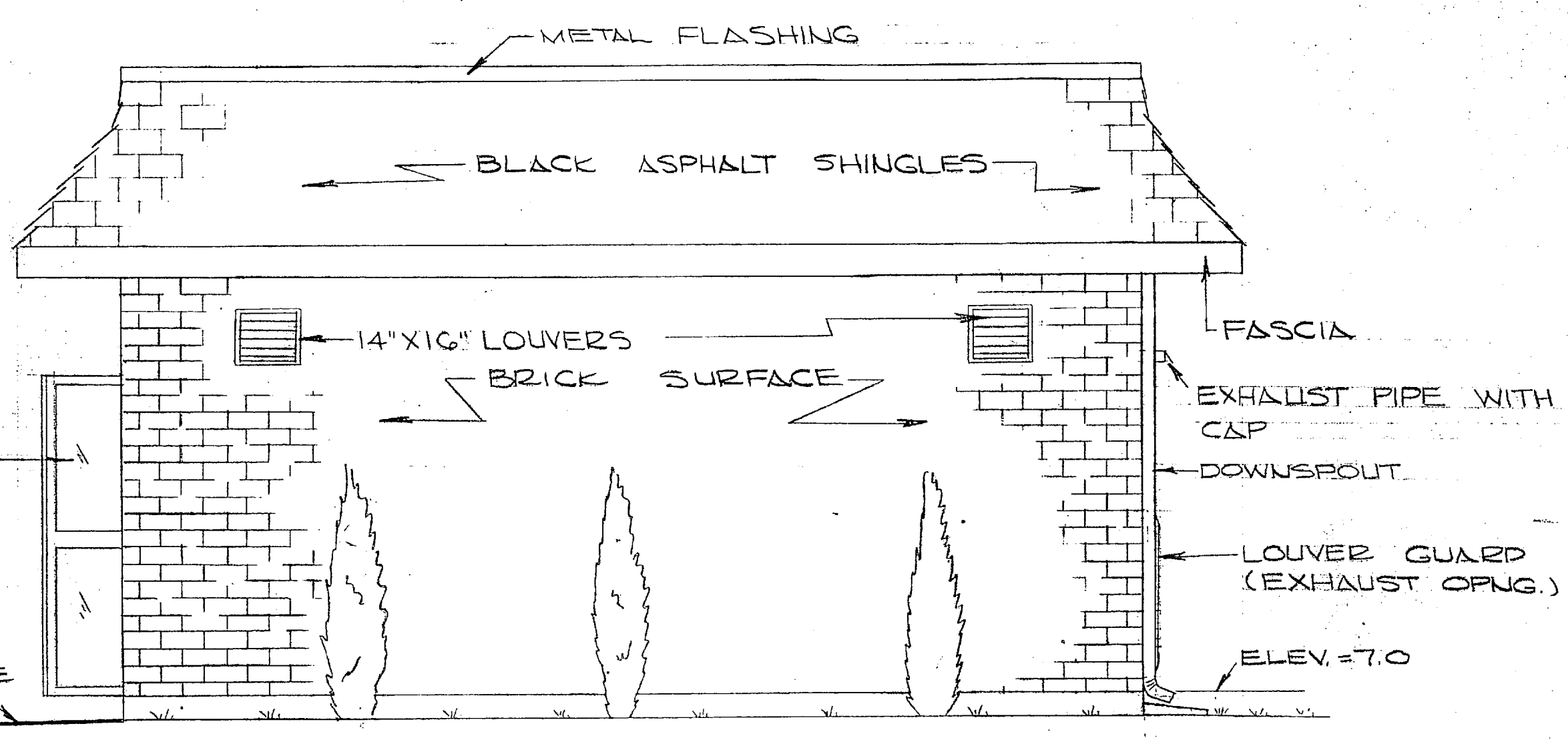
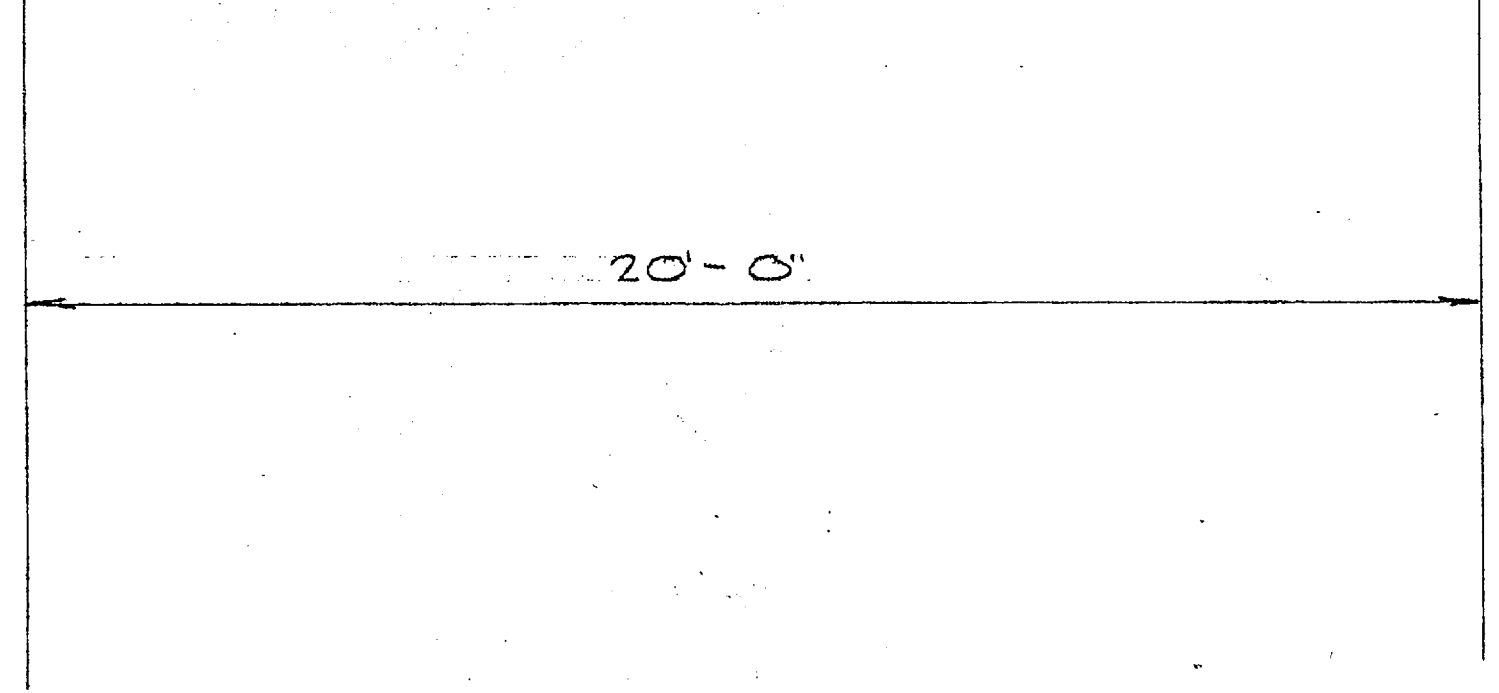
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1994

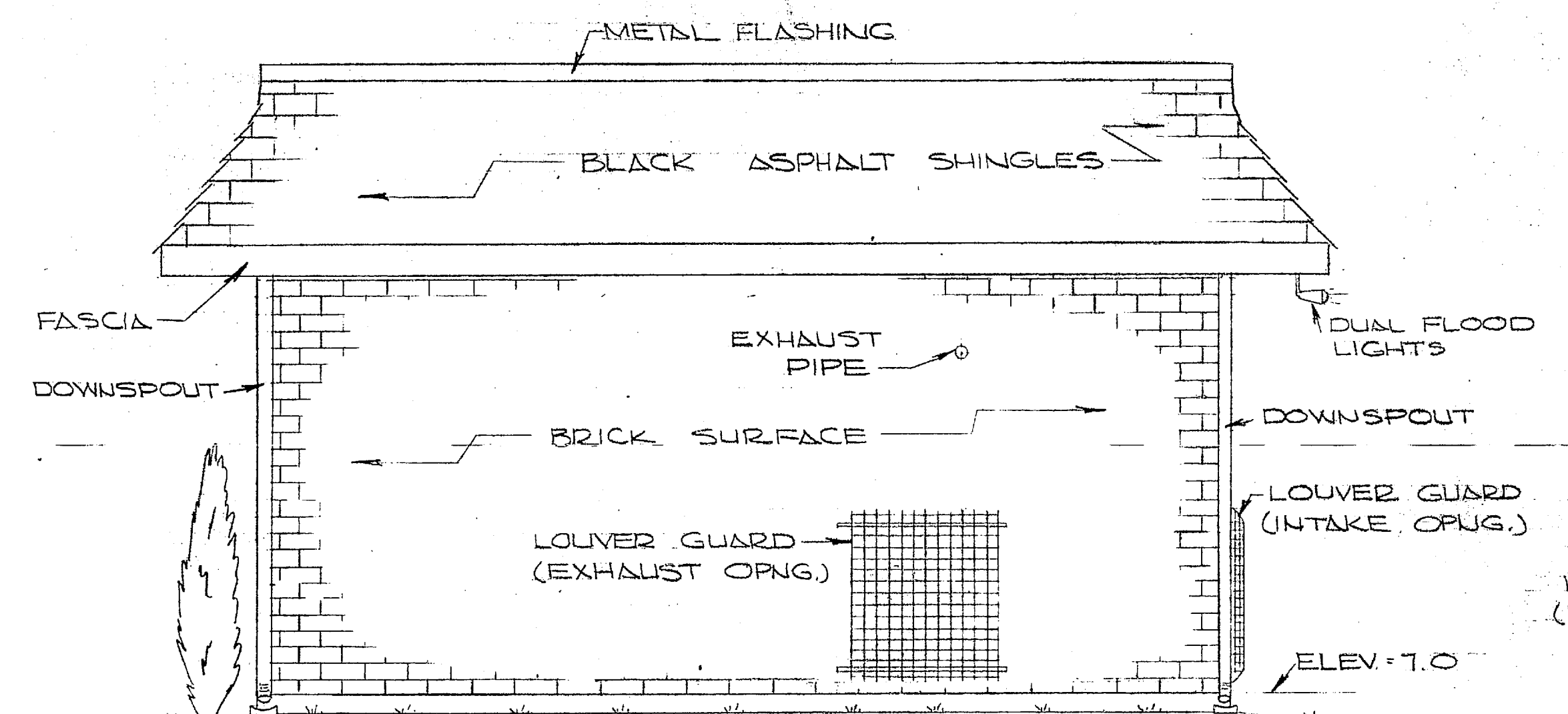
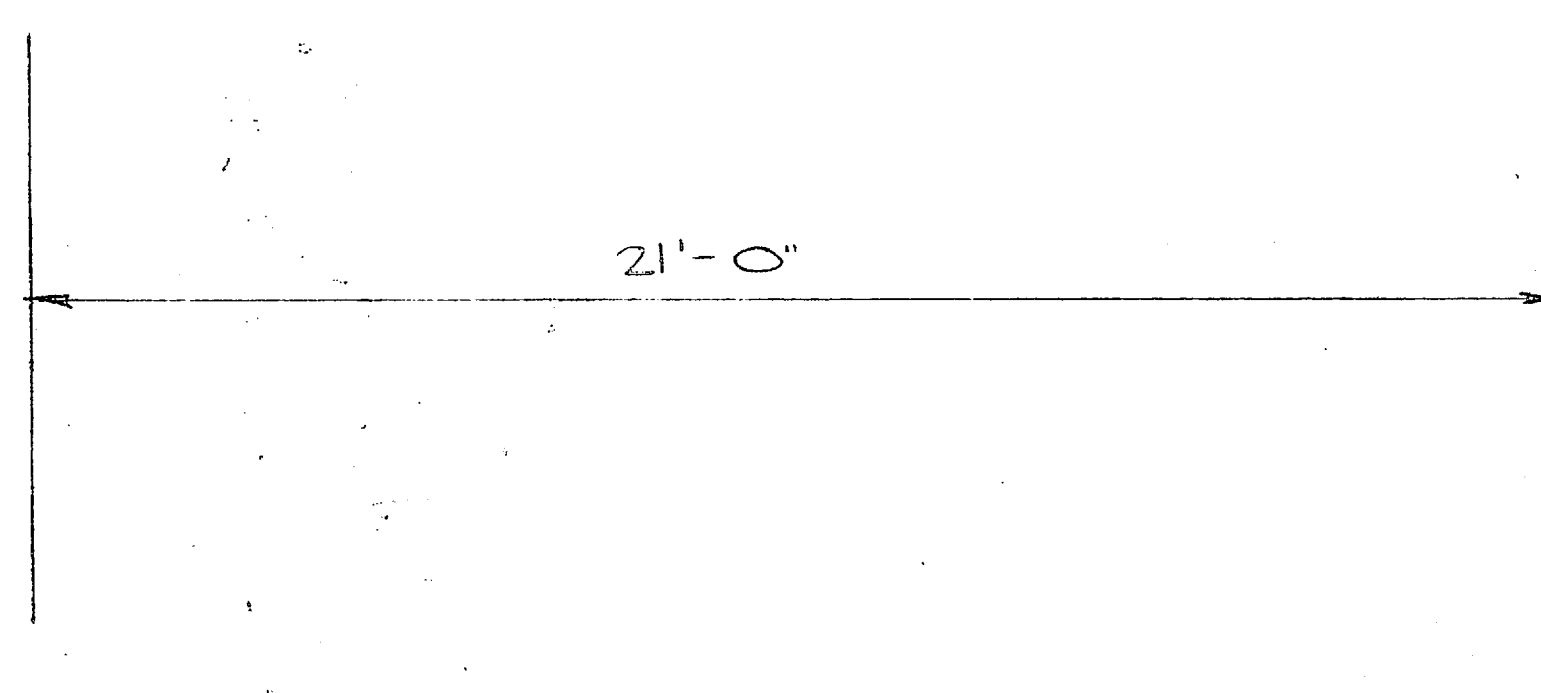
REVISIONS		NO.	DATE



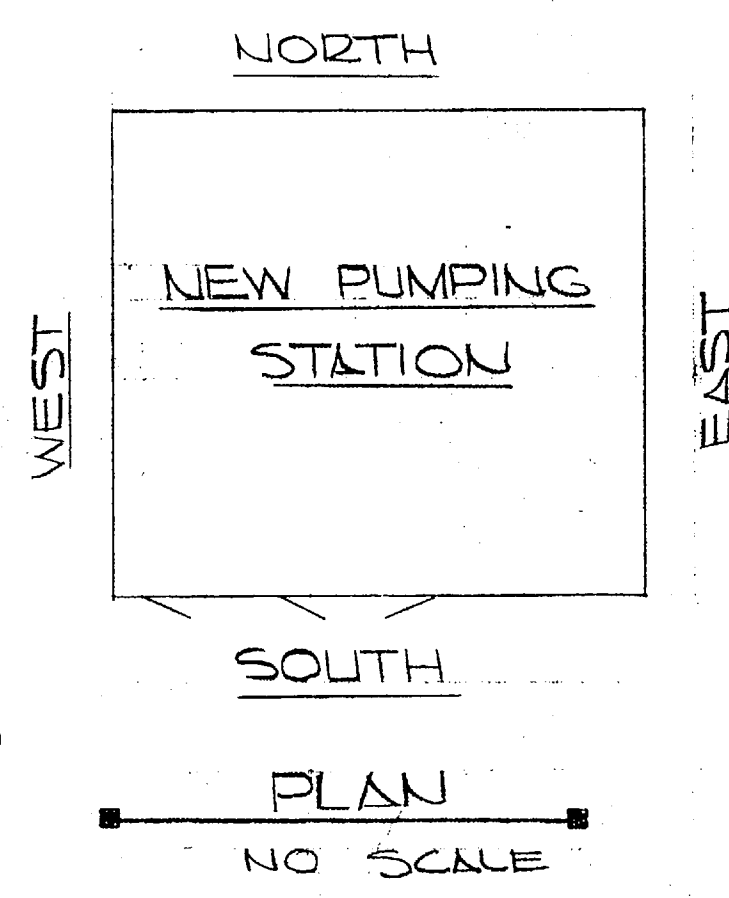
SOUTH ELEVATION
SCALE: 3/8" = 1'-0"



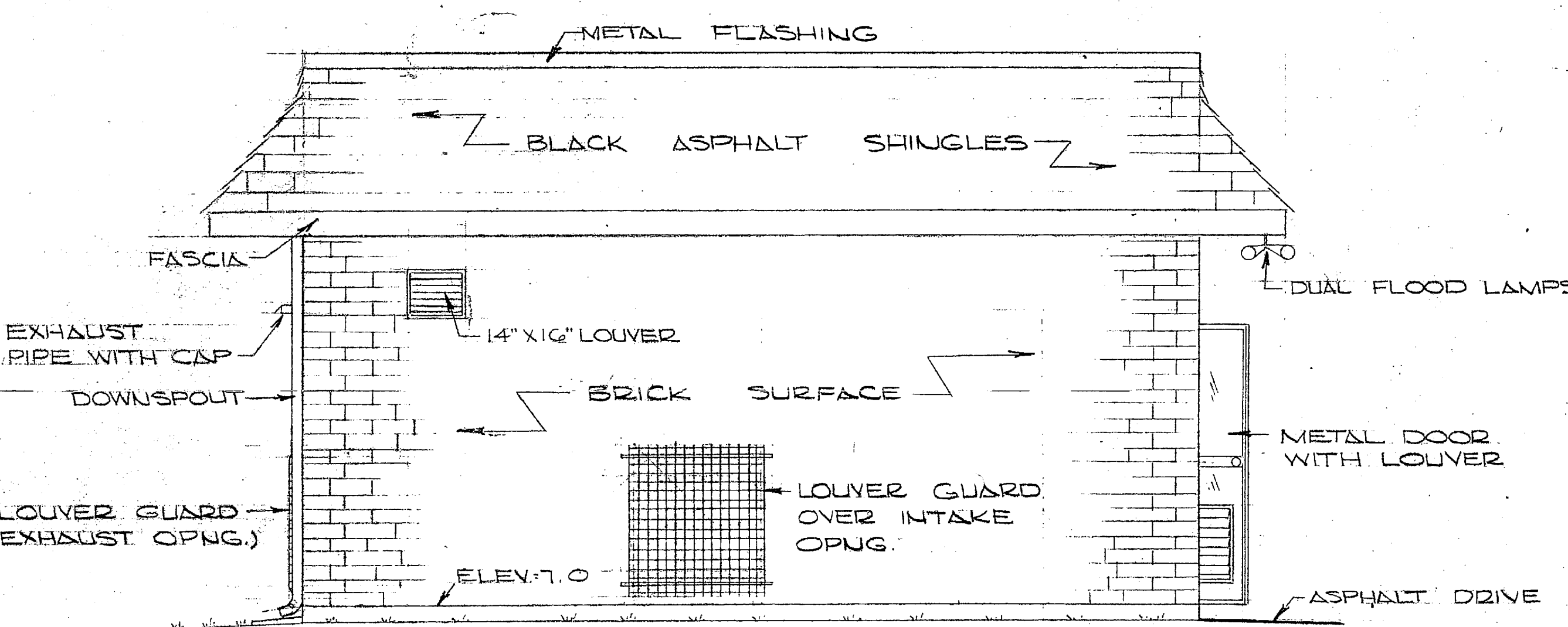
EAST ELEVATION
SCALE: 3/8" = 1'-0"



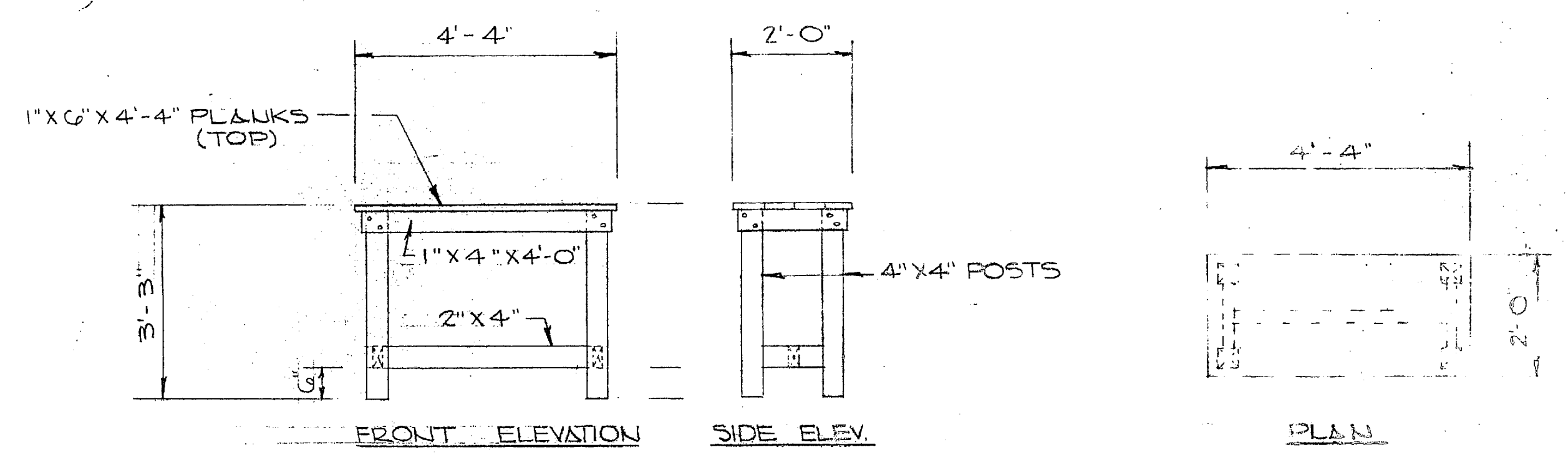
NORTH ELEVATION
SCALE: 3/8" = 1'-0"



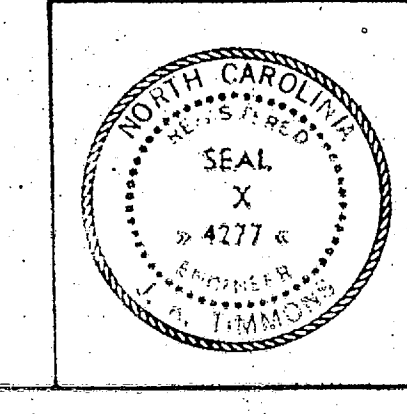
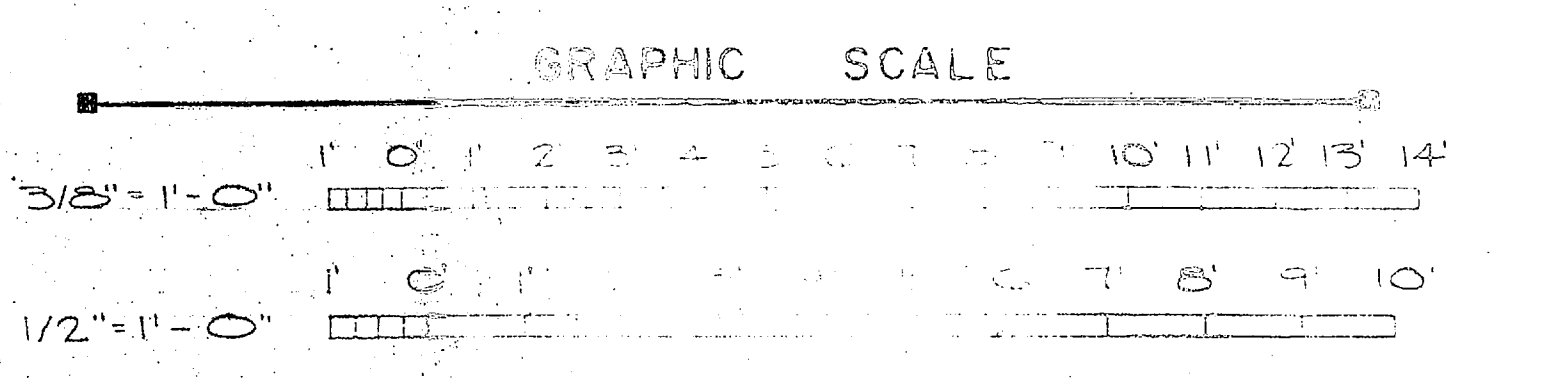
PLAN
NO SCALE



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



WORK TABLE DETAILS
SCALE: 1/2" = 1'-0"



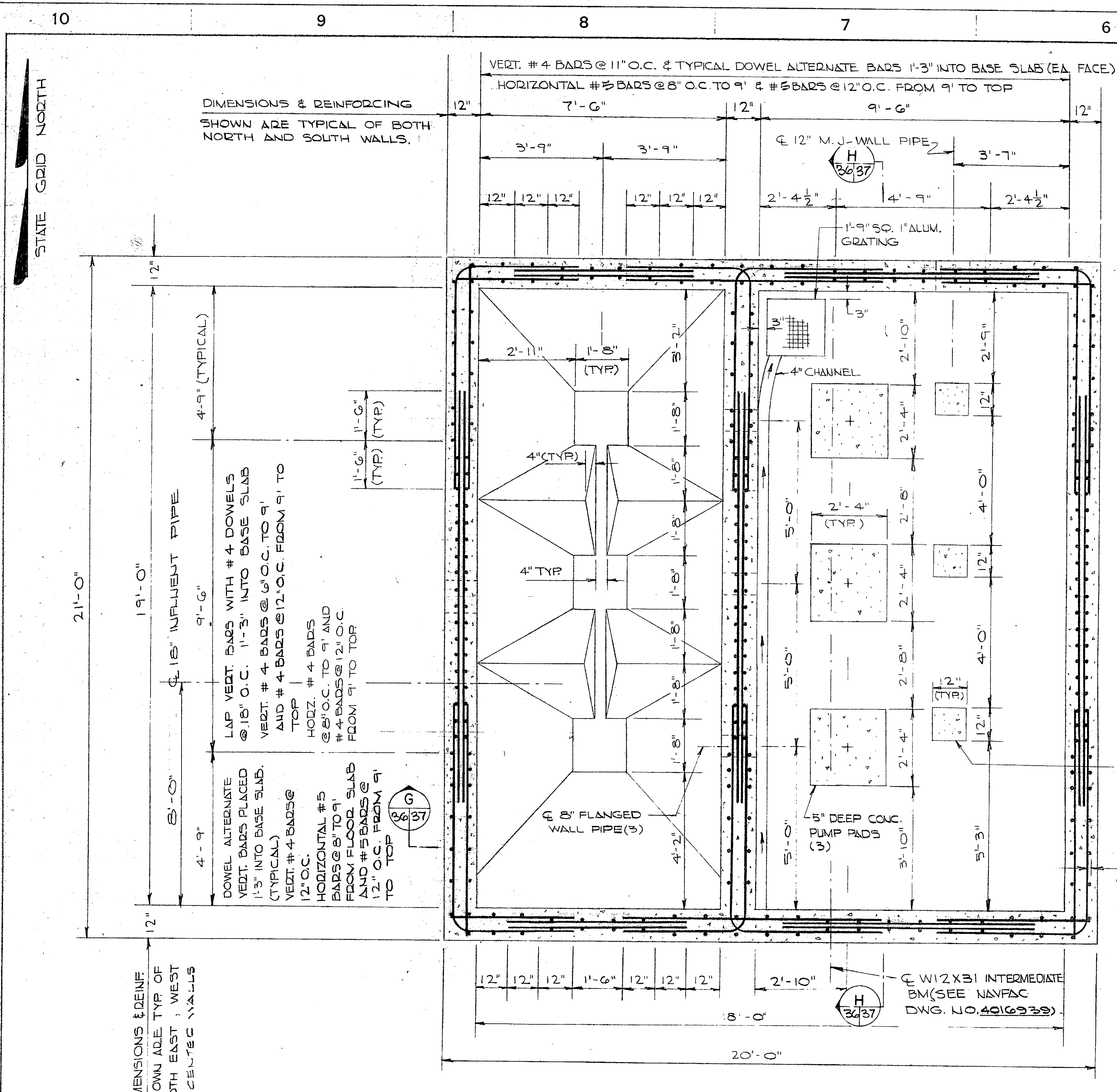
J. K. TIMMONS & ASSOC., INC. 134 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
RES. M.L.E. DR. C.L./D. CHK. M.L.E. PROJ. MGR. M.L.E. DR. ENGR. J. A. M. SUBMITTED BY: J. K. T. DATE: 1/12/74		NAVAL STATION ATLANTIC DIVISION NEW RIVER NAVAL AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA	
FIRM MEMBER: PRINCIPAL RVD: J. K. T. RD: MCE APPROVED: J. K. T. DATE: 1/29/74		UTILITY EXPANSION NEW RIVER PUMP STATION ELEVATIONS	
OFFICE IN CHARGE: J. K. T. CAPTURED: 1/29/74		JOB NO.: 80091 SERIAL NO.: 4018335 DRAWING NO.: 800470-73-9-1155	
FOR ERF FOR COMMANDER NAVFAC		SCALE: AS SHOWN DATE: 65-73-1155 PAGE: 49 OF 53	

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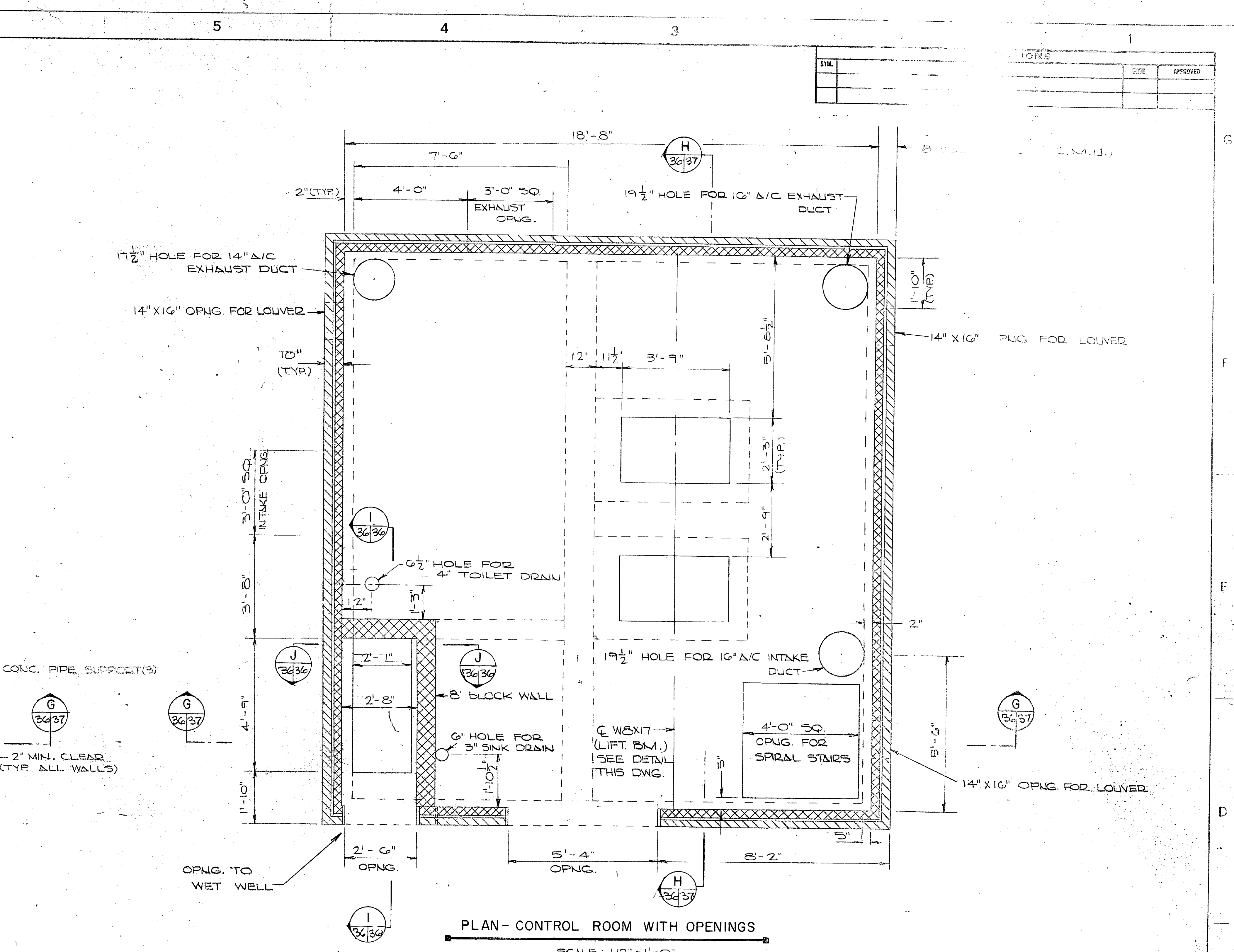
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WASHINGTON, D.C.

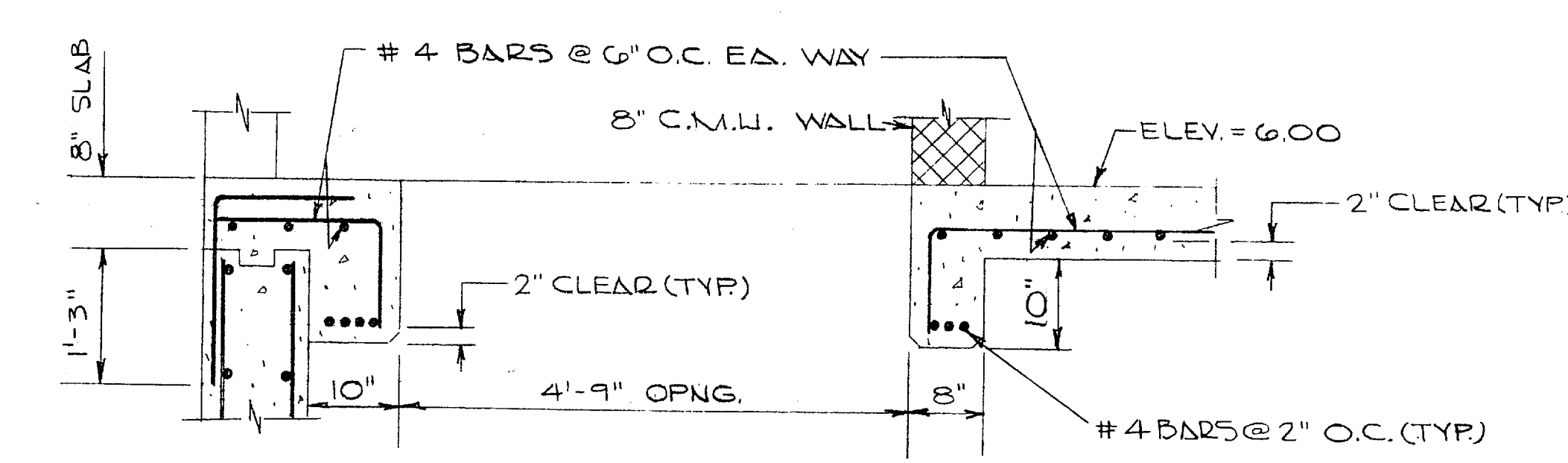




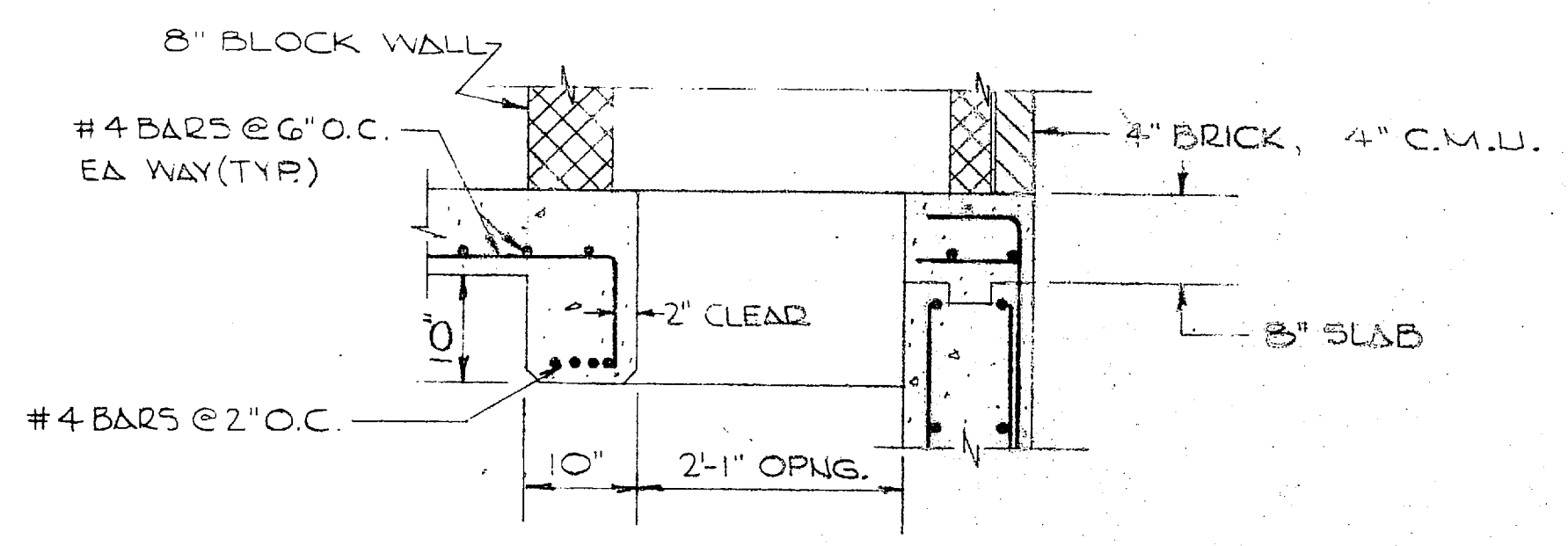
PLAN - WET & DRY WELLS
REINF. STEEL & LAYOUT DIMS.
SCALE: 1/2" = 1'-0"



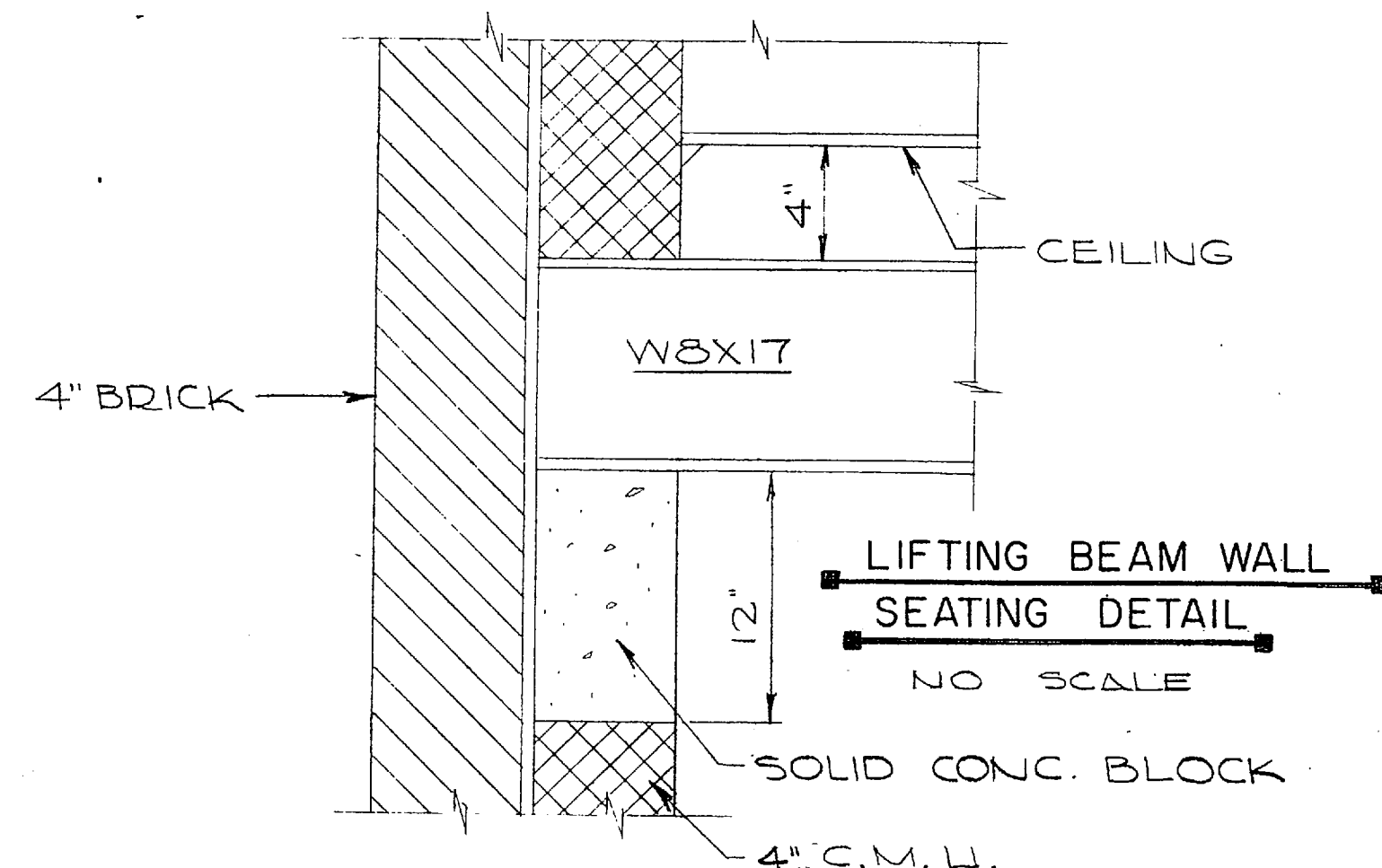
PLAN - CONTROL ROOM WITH OPENINGS
SCALE: 1/2" = 1'-0"



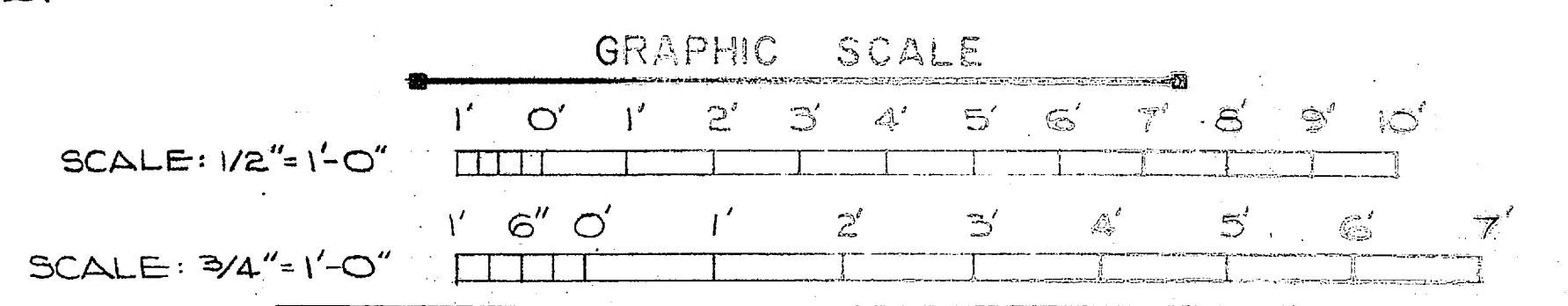
SECTION
SCALE: 3/4" = 1'-0"



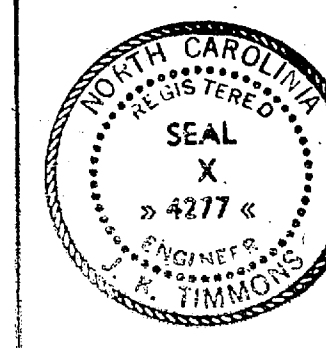
SECTION
SCALE: 3/4" = 1'-0"



LIFTING BEAM WALL
SEATING DETAIL
NO SCALE



J. K. TIMMONS & ASSOC., INC. 1314 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NORFOLK, VA.	
DES. M.L.S., P.E., D.B.C.H., M.L.E. PROJ. MGR. M.L.S., P.E., CH. ENGR. J.L.L.L. SUBMITTED BY: <i>Y.L.S.</i> DATE: <i>9/12/72</i>		NAVAL STATION: NEW RIVER SEABOARD CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA	
FIRM MEMBER E.P.F. <i>mc</i> R.V.D. <i>mc</i> APPROVED: <i>Y.L.S.</i> DATE: <i>9/12/72</i>		UTILITY EXPANSION NEW RIVER PUMP STATION FLOOR PLAN	
OFFICER IN CHARGE: <i>Y.L.S.</i> DATE: <i>9/12/72</i>		INSTRUMENTS: <i>401633</i>	
APPROVED: <i>Y.L.S.</i> DATE: <i>9/12/72</i>		SHEET NO. <i>80091</i>	
FOR E.P.F. FOR COMMANDER NAVFAC		SHEET NO. <i>80091</i>	

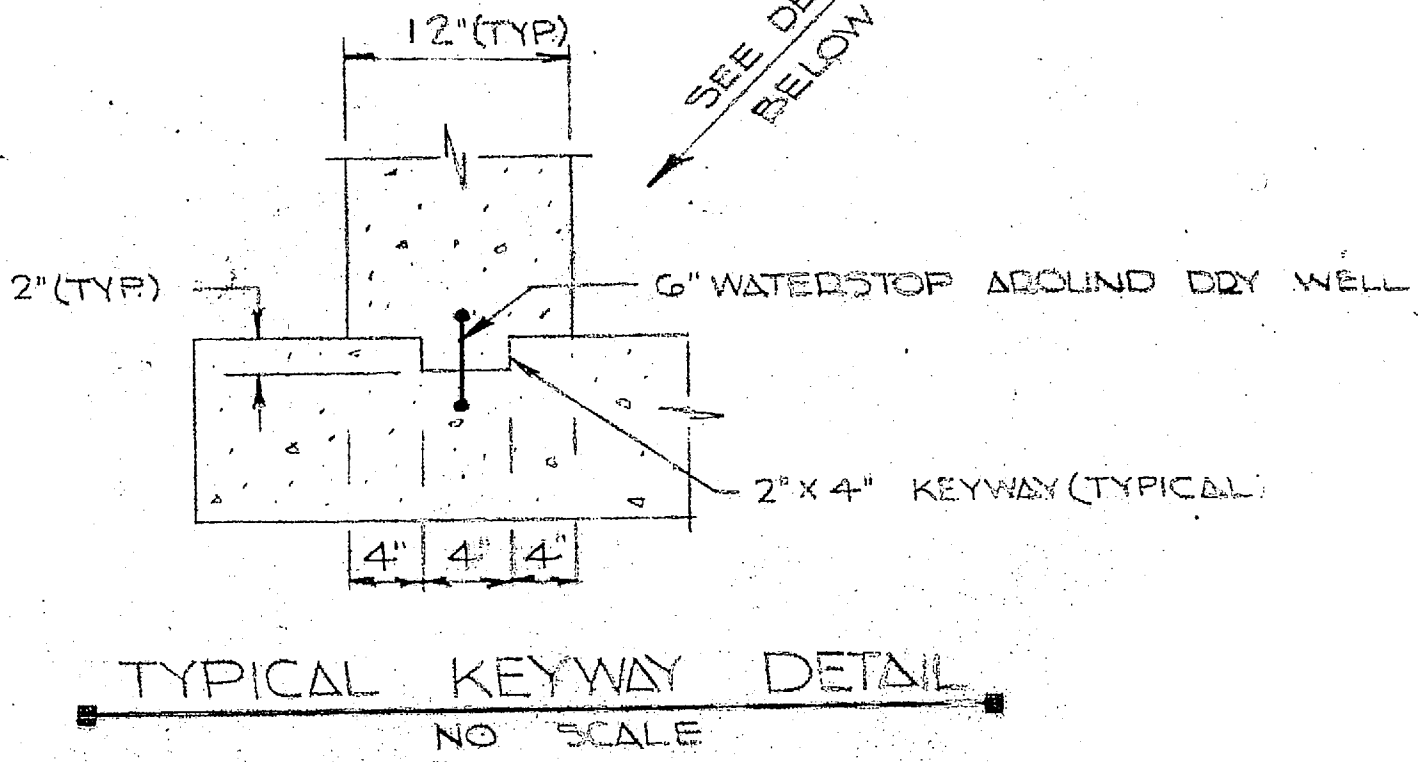
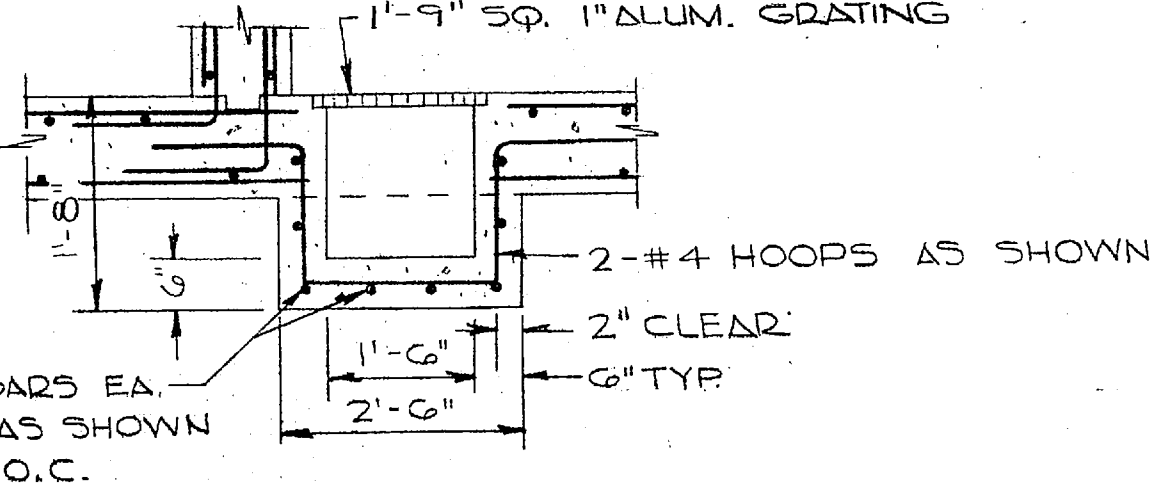
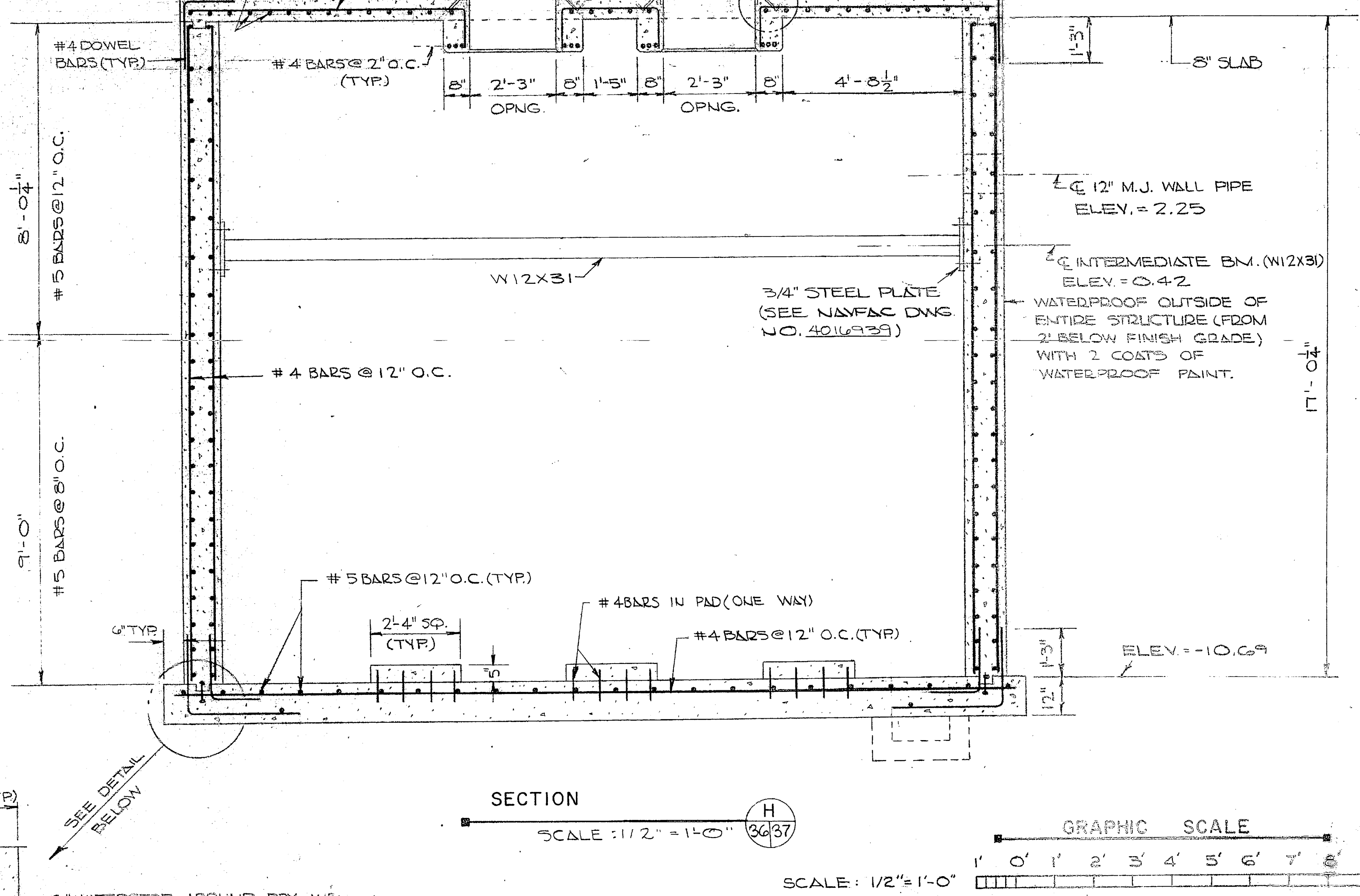
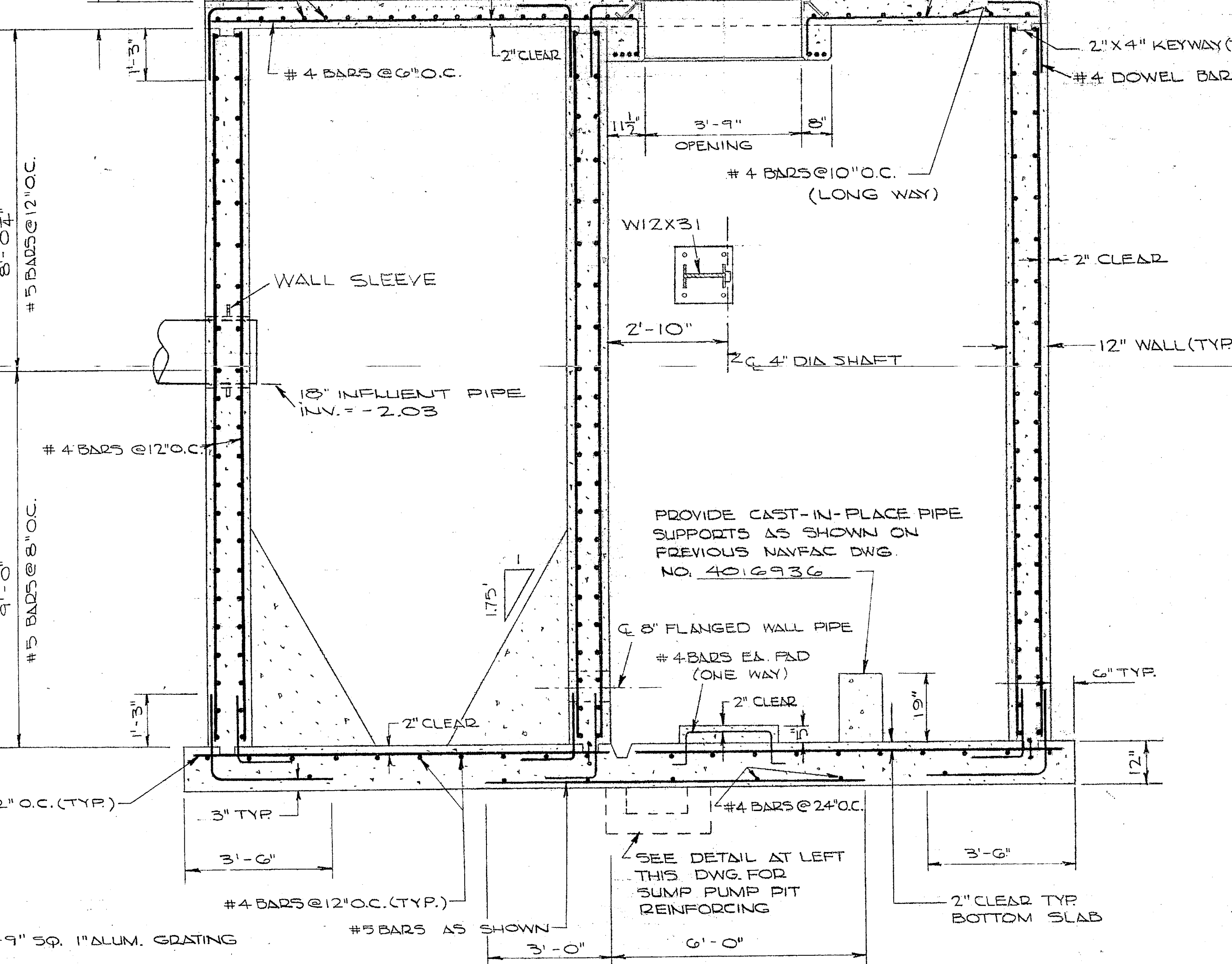
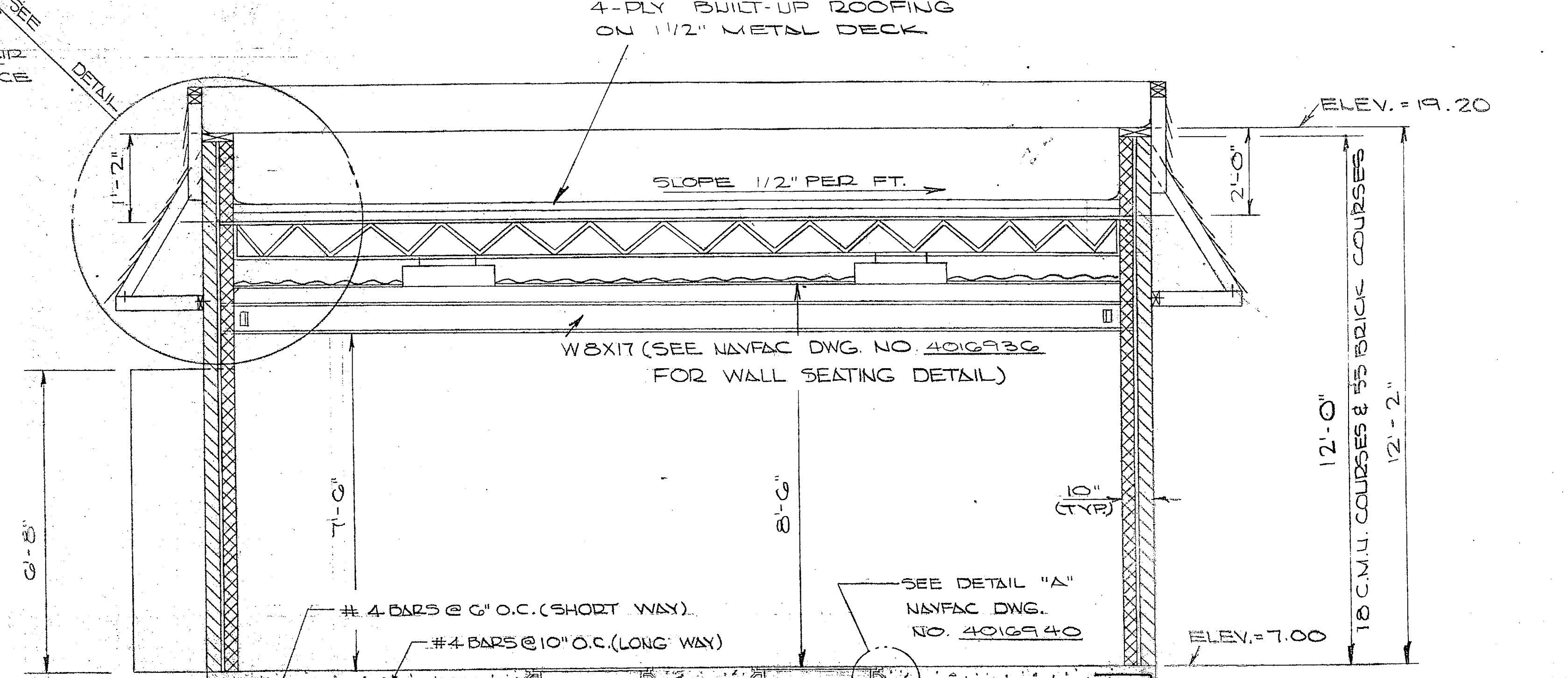
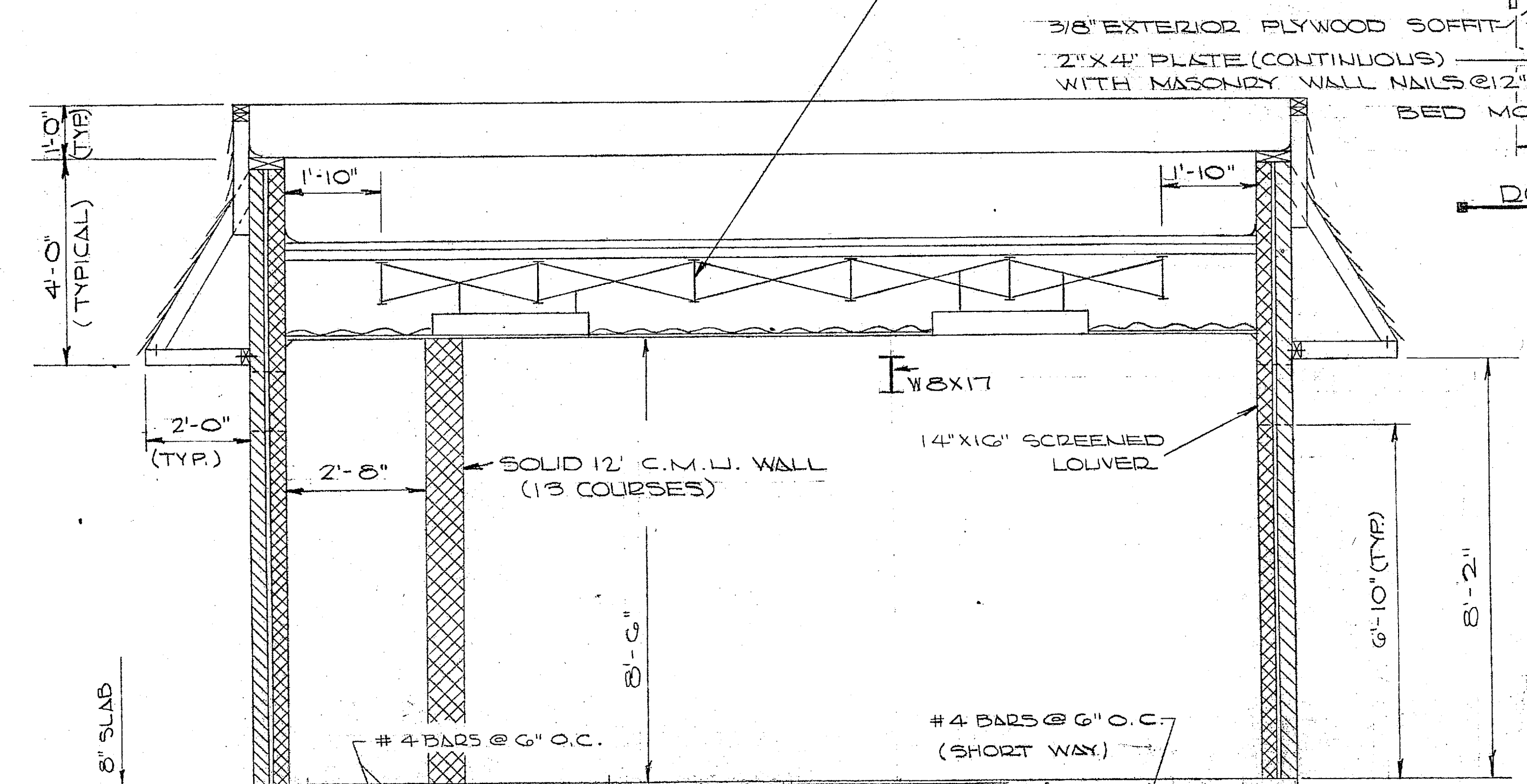
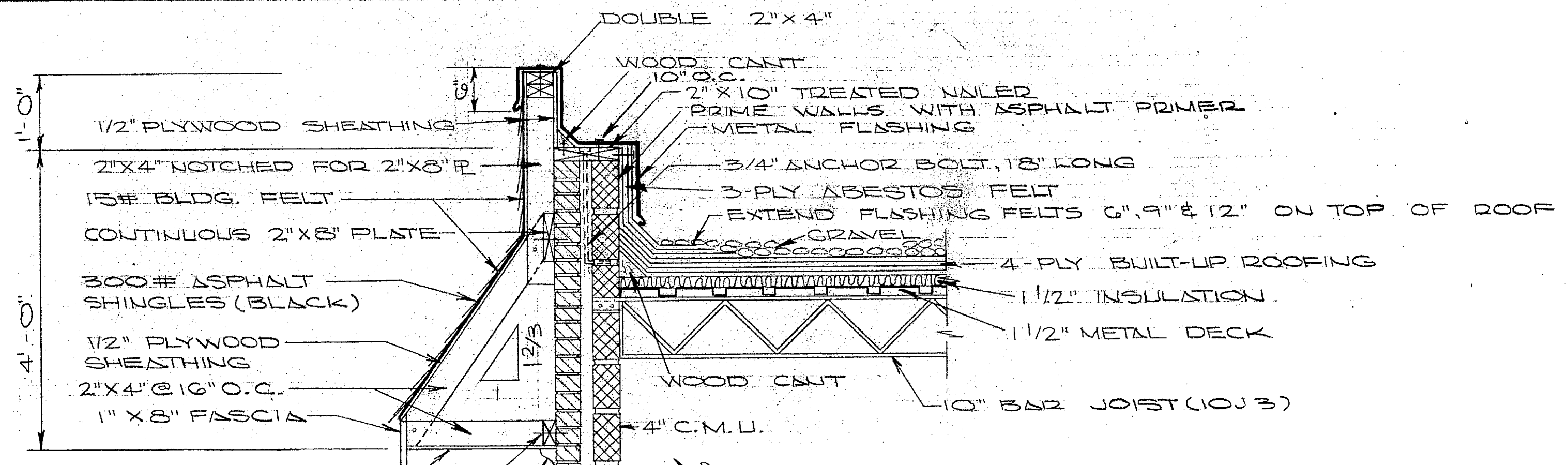




10 9 8 7 6 5 4 3

REV.	DATE	BY	APP'D.

10' OPEN WEB STEEL JOIST (10J3) @ 3'-0" O.C.,
PROVIDE 2 ROWS OF BRIDGING @ 6'-0" O.C.



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

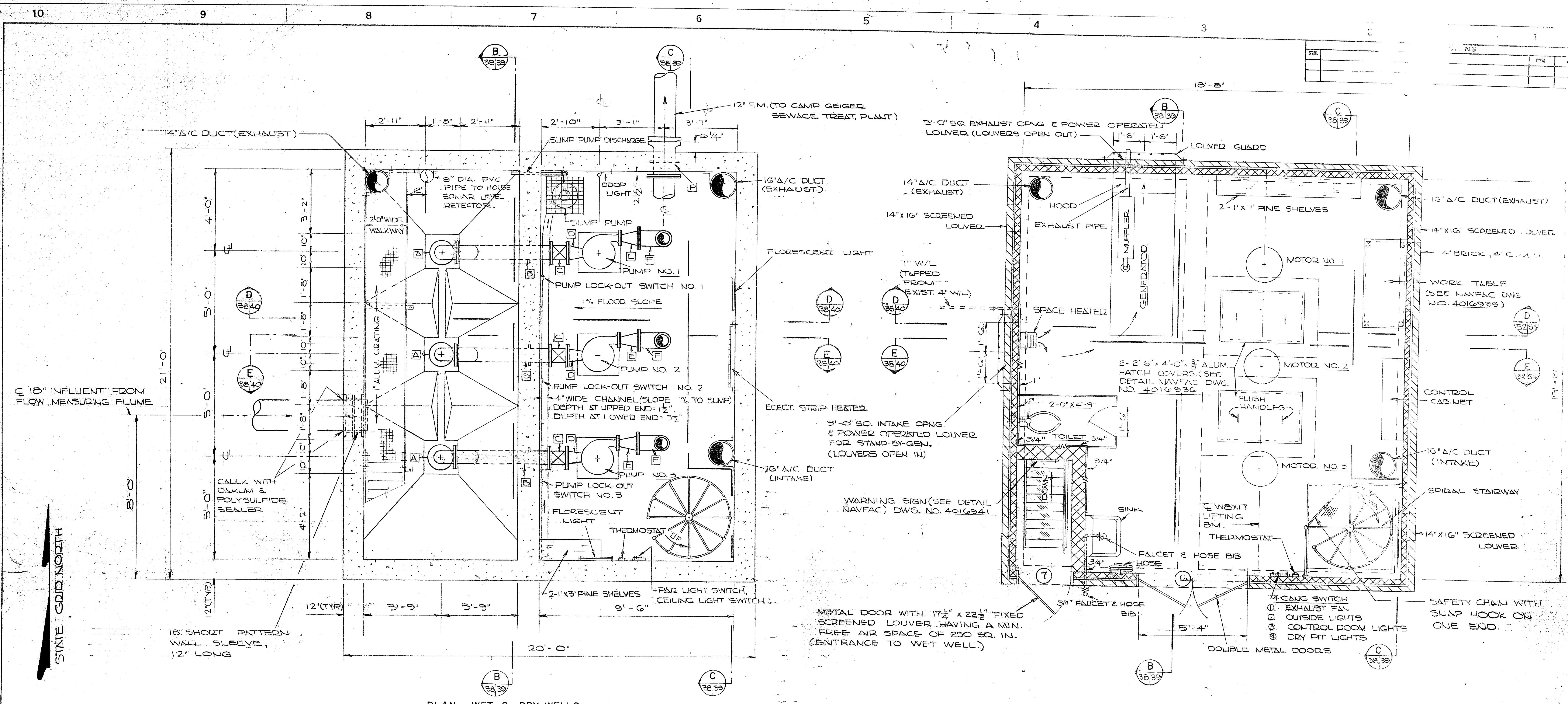
SECTION G
SCALE: 1/2" = 1'-0"

GRAPHIC SCALE
1' 0" 1' 2" 3" 4" 5" 6" 7" 8" 9" 10"

J. K. TIMMONS & ASSOC., INC. 1314 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NONFOLK, VA.	
RES. M. L. E. OR C. L. J. OR C. H. M. L. E. PROJ. MGR. WALL. ENGR. OR ALLIUM CONSULTING ENGINEERS		NAVAL STATION NEW RIVER MARINE CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA	
SUBMITTED BY: Y. S. ELI DATE: 9/19/74		UTILITY EXPANSION	
FIRM MEMBER: RVD DIR: J. 10015		NEW RIVER PUMP STATION STRUCTURAL	
APPROVED: [Signature] DATE: 11/1/74		SERIAL: 80091	
OFFICER IN CHARGE: [Signature]		DRAWING NO.: 4016937	
APPROVED: [Signature] DATE: 8 NOV 1974		SCALE: AS SHOWN UNLESS OTHERWISE NOTED	
FOR SPA FOR FORWARDER NAVFAC		E.F.D. NO. 116937	

10 9 8 7 6 5 4 3



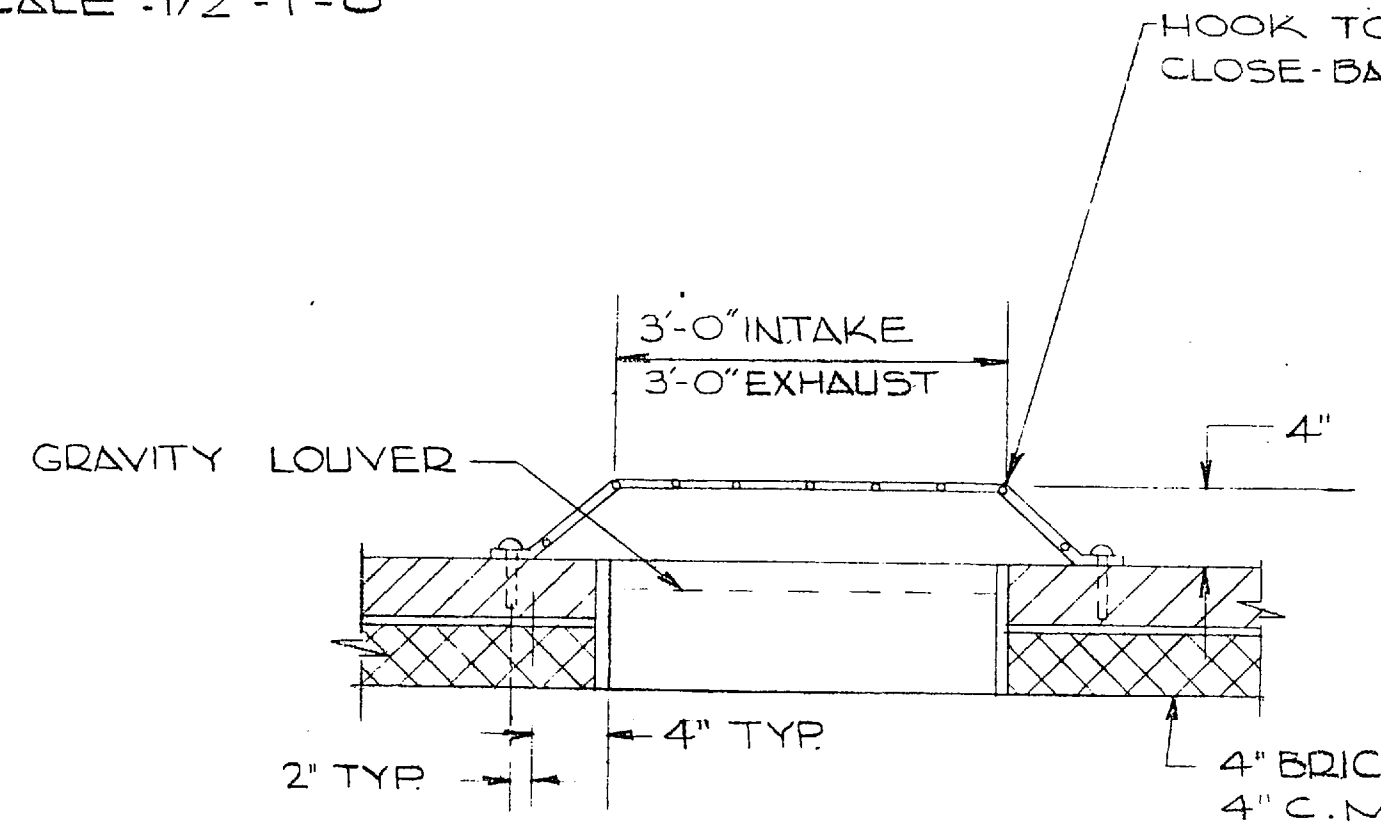


PLAN - WET & DRY WELLS
SCALE: 1/2" = 1'-0"

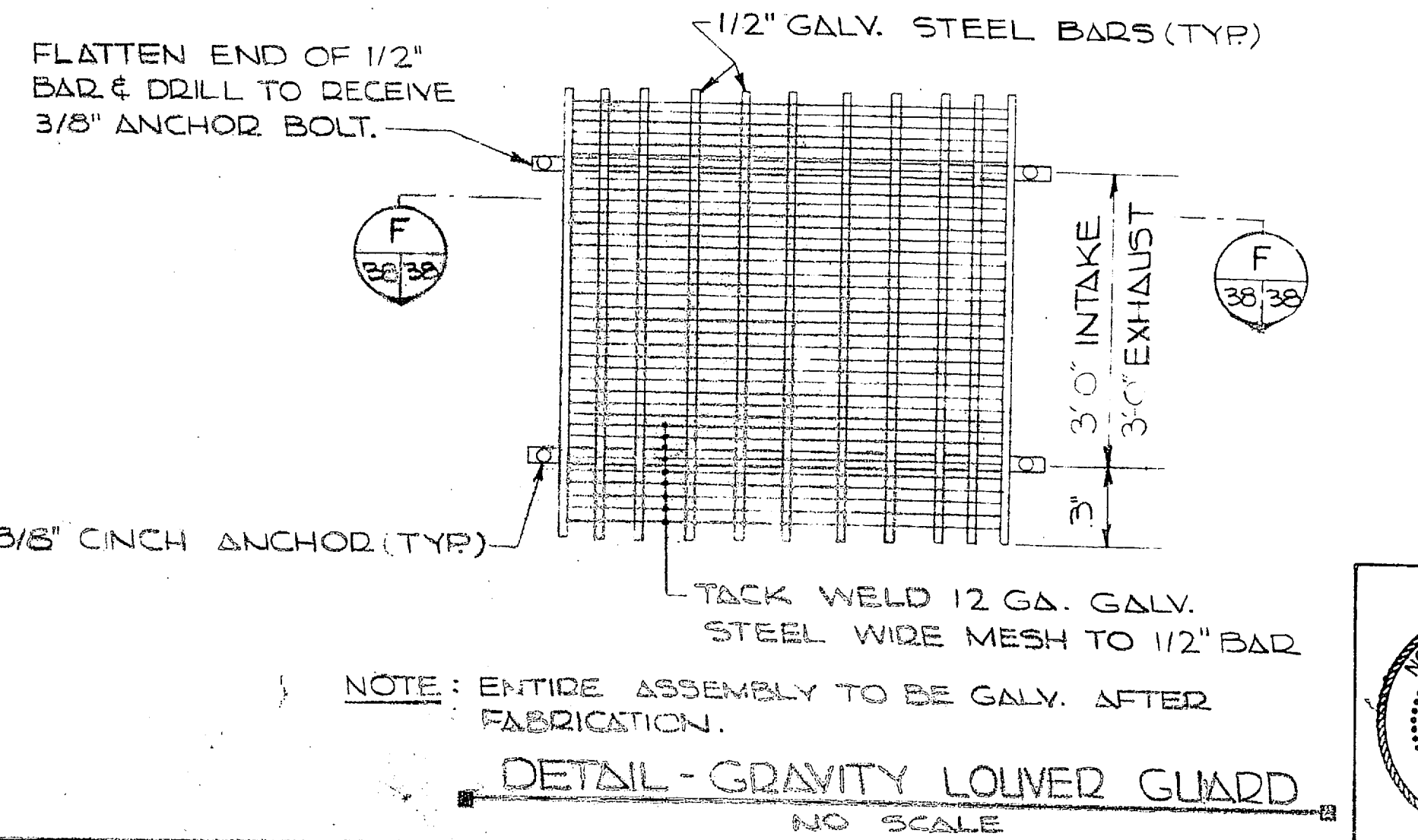
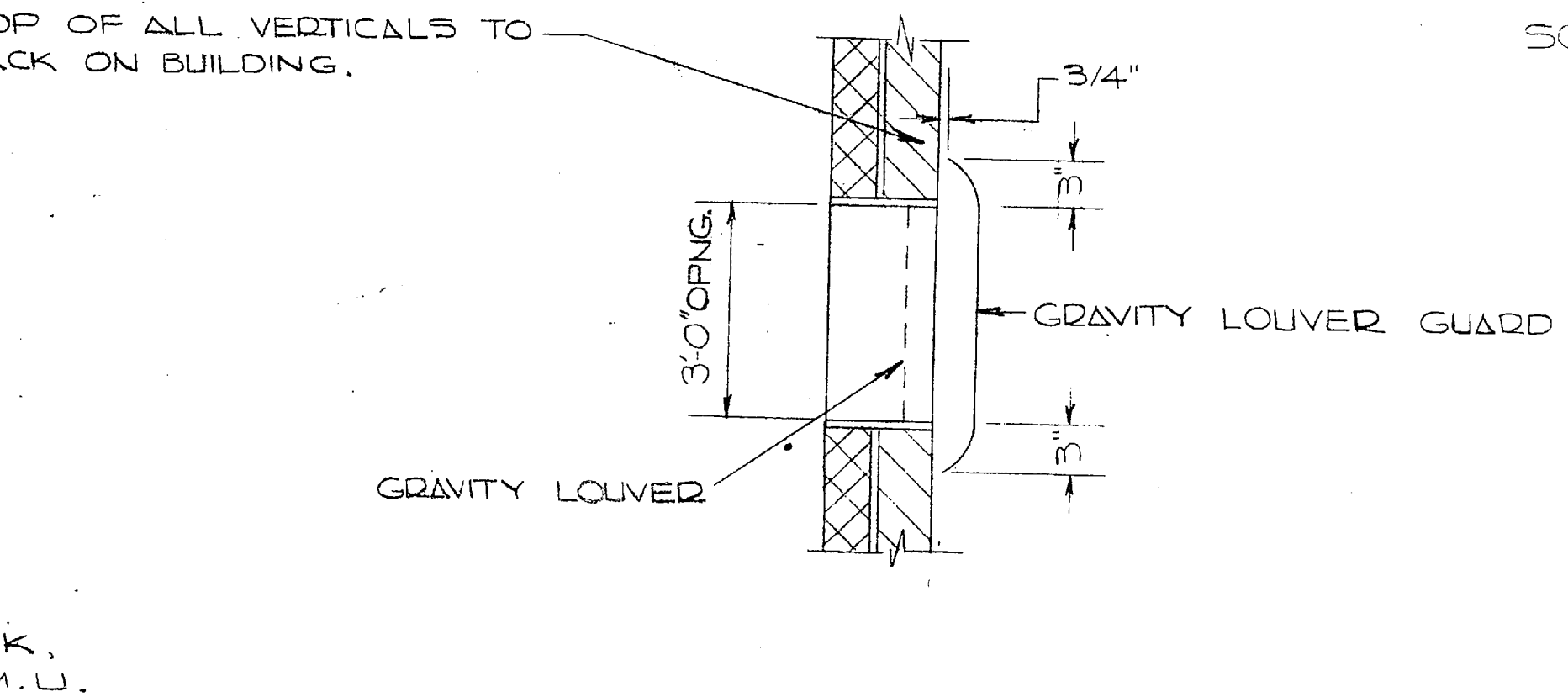
PLAN - CONTROL & GENERATOR ROOM
SCALE: 1/2" = 1'-0"

PIPING SCHEDULE FROM 8" BELL TO 12" WALL PIPE

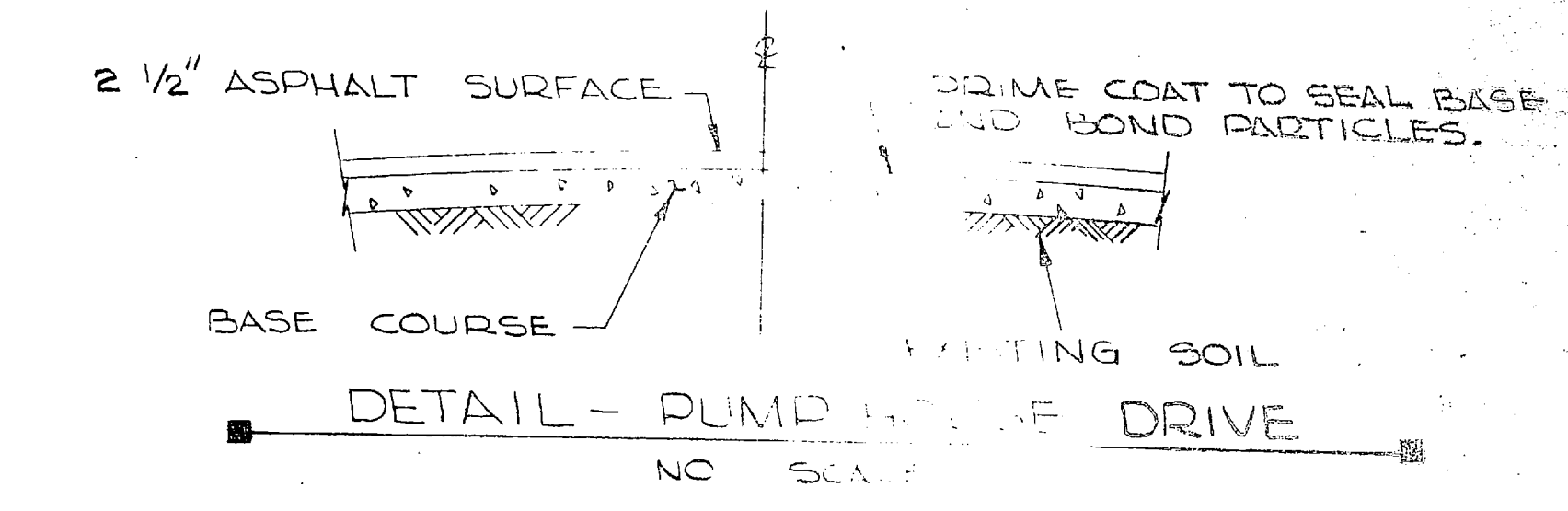
ITEM & DESCRIPTION	QUANTITY
8" FLANGE AND ELL	3EA.
8" FLANGED WALL PIPE, 4'-6 1/2" LONG, WITH INTERMEDIATE WALL COLLAR CENTERED IN WALL	3EA.
8" GATE VALVE	6EA.
8" X 4" REDUCER (CONCENTRIC)	3EA.
4" X 8" INCREASER (CONCENTRIC)	3EA.
8" 90° BASE BEND (LONG RADIUS)	3EA.
NOTE: REMAINING ITEMS ARE SHOWN ON NAVFAC DWG. NO. 4016939	
8" CHECK VALVE	3EA.
8" X 12" INCREASER (CONCENTRIC)	3EA.
12" PIPE, 4'-6" LONG (FLANGED)	1EA.
12" PIPE, 5'-1" LONG (FLANGED)	2EA.
12" 90° BEND (LONG RADIUS)	1EA.
12" BRANCH FLOW TEE	2EA.
12" PIPE, 2'-5" LONG (FLANGED)	1EA.
12" PIPE, 3'-0" LONG (FLANGED)	1EA.
12" PIPE, 2'-3" LONG (FLANGED)	1EA.
12" FLANGED - M.J. WALL PIPE, 1'-8 3/4" LONG, WITH INTERMEDIATE COLLAR CENTERED IN WALL	1EA.



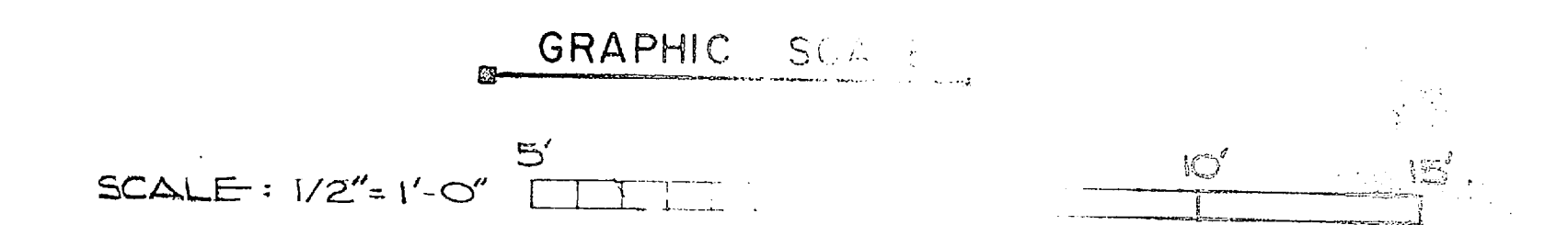
SECTION
NOTE: CENTER GUARD OVER GRAVITY LOUVER.



DETAIL - GRAVITY LOUVER GUARD
NO SCALE



DETAIL - PUMP DRIVE
NO SCALE



J. K. TIMMONS & ASSOC., INC. 1314 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NEW RIVER, NORTH CAROLINA	
DES. M.L.E. OR C.L./O.B.C.H. M.L.E. PROJ. M.L.E. OR C.L./O.B.C.H. M.L.E. SUBMITTED BY: [Signature] DATE: 12/12/74 FIRM MEMBER: [Signature] PRINCIPAL		NEW RIVER CORPS AIR STATION THE HELICOPTER UTILITY EXPANSION NEW RIVER PUMP STATION PIPING	
APPROVED: [Signature] DATE: 12/12/74 OFFICE IN CHARGE: [Signature] DATE: 12/12/74 TITLE: AS SHOWN SPEC. 05-73		SIZE: 30091 DRAWING NO.: 4016939 ISSUE: 1 OF 1 DATE: 12/12/74	

STATE GRID NORTH

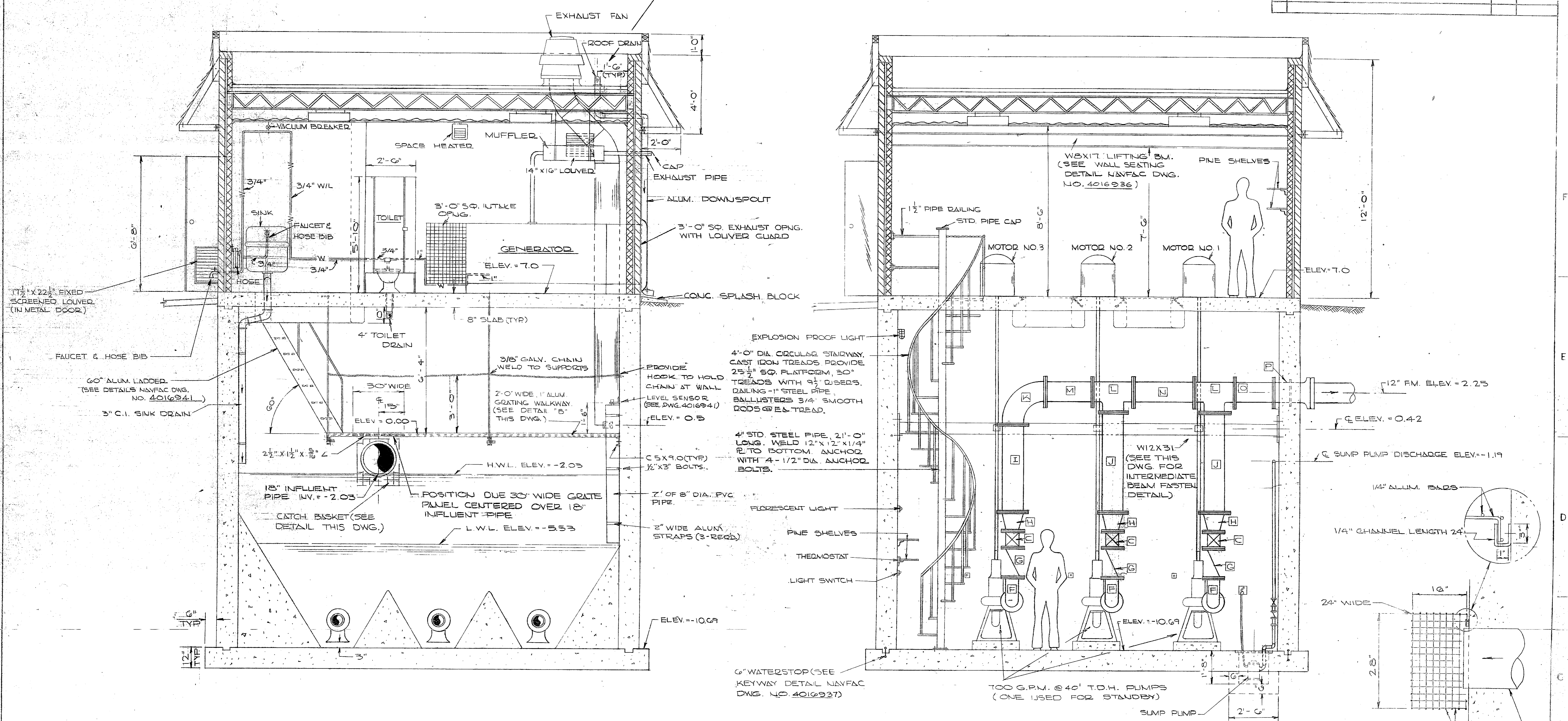
RECEIVED
MAY 19 1964
U.S. AIR FORCE
HEADQUARTERS
WASHINGTON, D.C.

RECEIVED
MAY 19 1964
U.S. AIR FORCE
HEADQUARTERS
WASHINGTON, D.C.

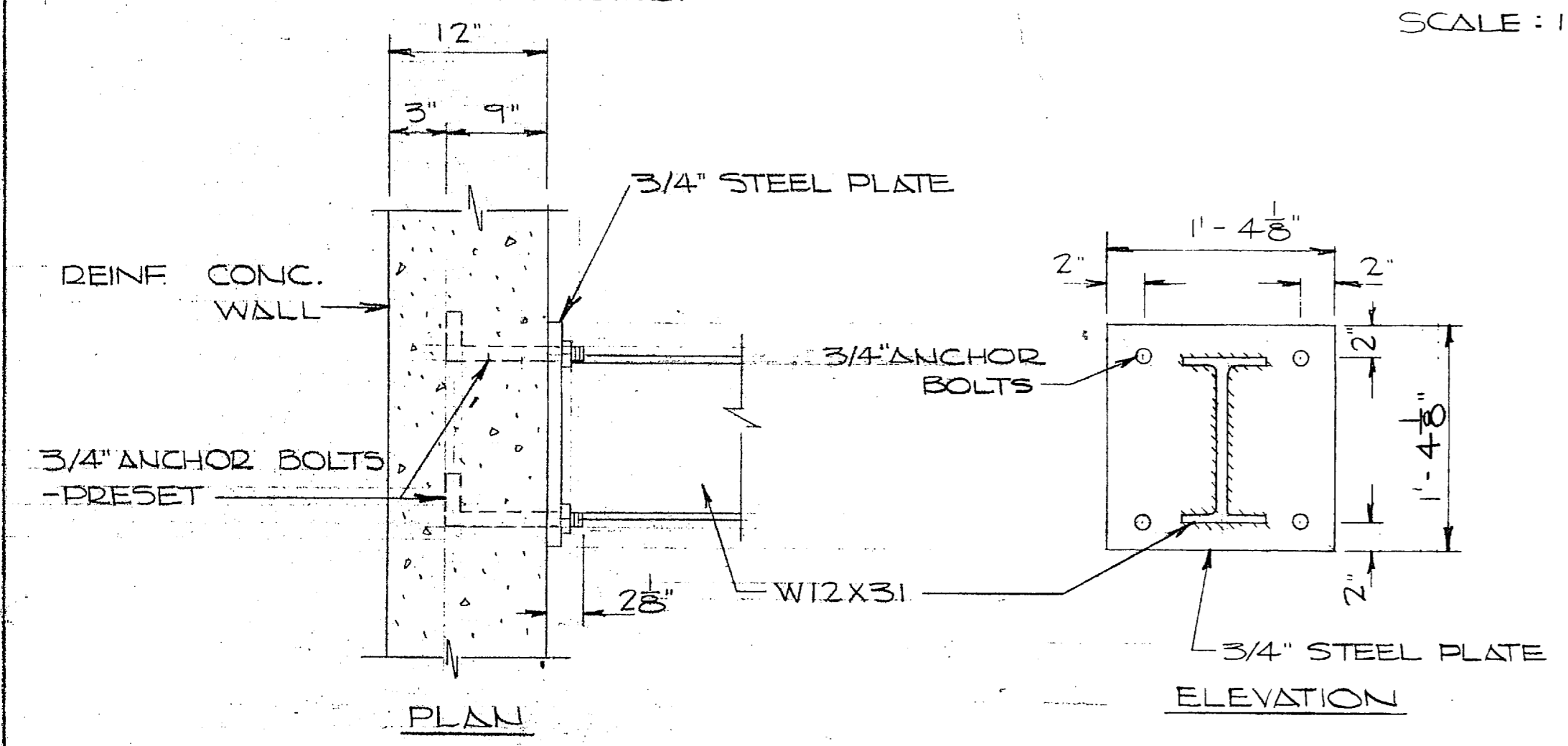
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MAY 19 1964
U.S. AIR FORCE
HEADQUARTERS
WASHINGTON, D.C.

NOTE: SEE NAVFAC DWG. NO. 4016913 FOR ROOF DRAIN DETAILS.

REVISIONS			
NO.	DESCRIPTION	DATE	APPROVED

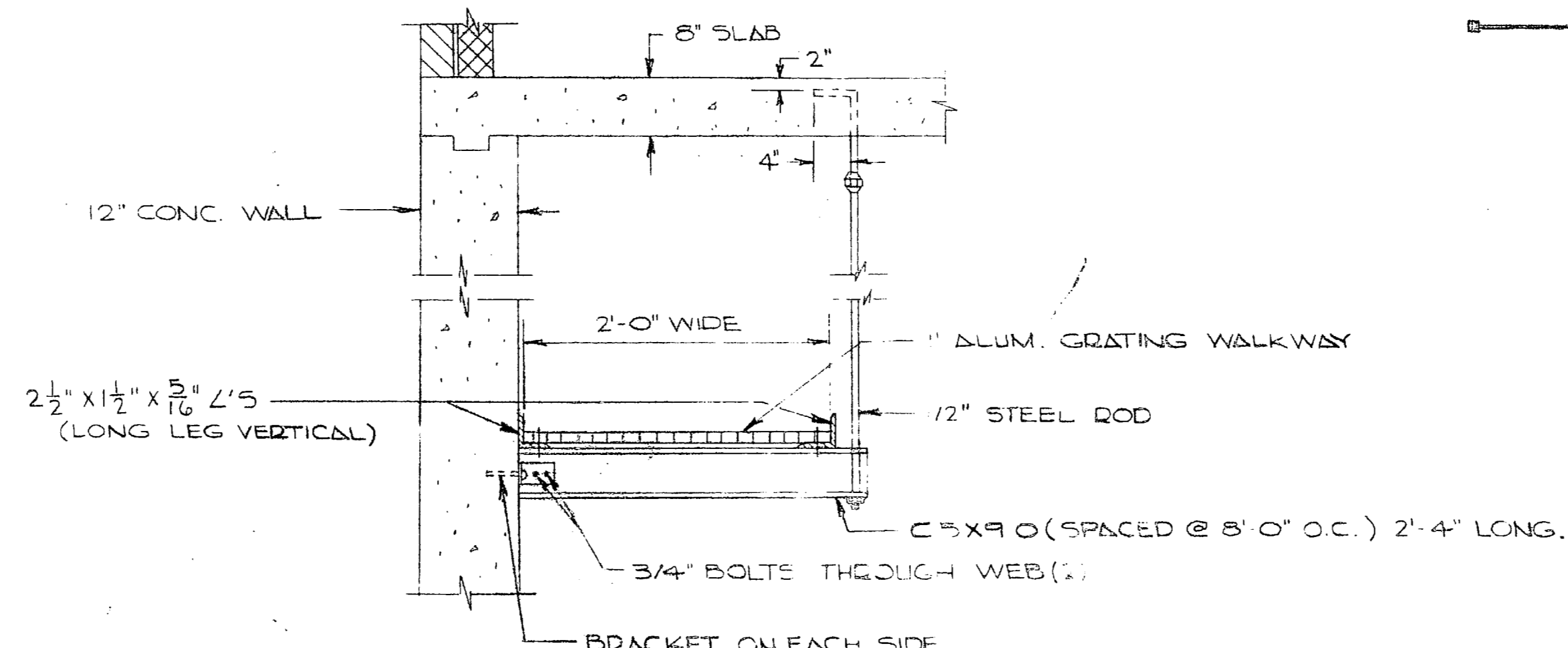


NOTE: BOLT PLATE TO WALL AND FIELD WELD BEAM (W12X31) AFTER PUMPS ARE SET. PAINT ALL PER SPECIFICATIONS.



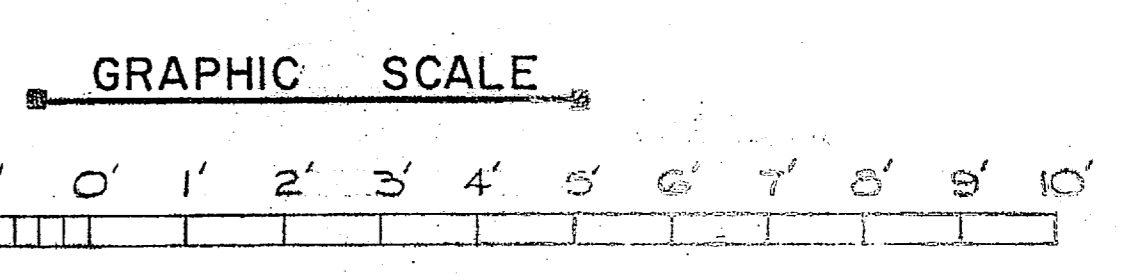
DETAIL - INTERMEDIATE BEAM PLATE
(2 SUCH REQUIRED)
NO SCALE

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

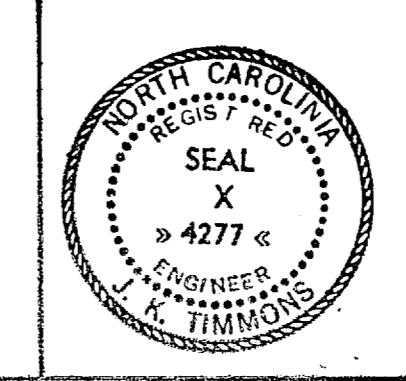


DETAIL "B"
NO SCALE

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



J. K. TIMMONS & ASSOC., INC. 1314 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND	
DES. M.L.E. DR. CL. DR. SCHK. M.L.E. PROJ. MGR. M.L.E. ENGR. J.L.L.H. SUBMITTED BY: [Signature] DATE: 9/12/74		ATLANTIC DIVISION NEW RIVER MARINE ENGINE AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA	
FIRM MEMBER: [Signature] PRINCIPAL		UTILITY EXPANSION	
E.P.D. [Signature] R.V.D. [Signature]		SEWAGE PUMPING STATION SECTIONS	
APPROVED: [Signature] DATE: 11/15/74		DRAWING NO. 401933	
OFFICE IN CHARGE: [Signature]		NAVFAC DIVISION 401933	
APPROVED: [Signature] DATE: 11/15/74		SCALE AS SHOWN 1/2" = 1'-0"	



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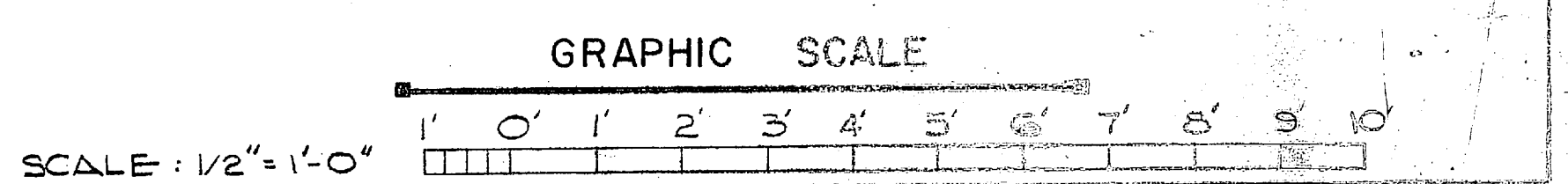
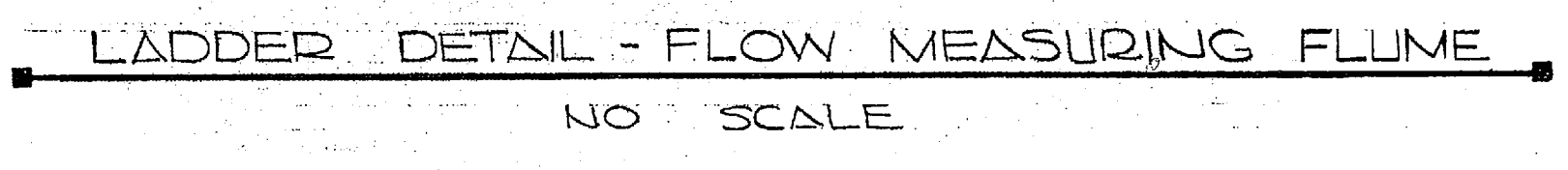
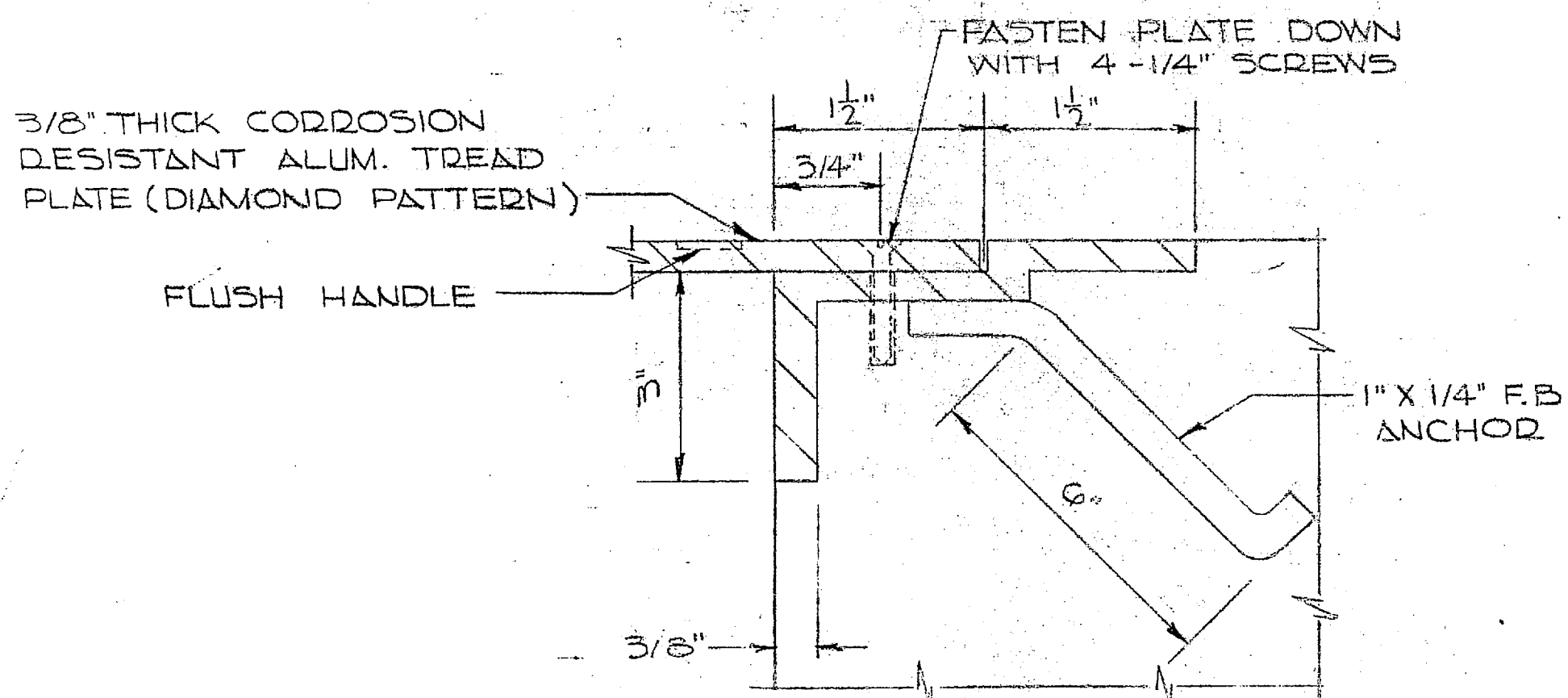
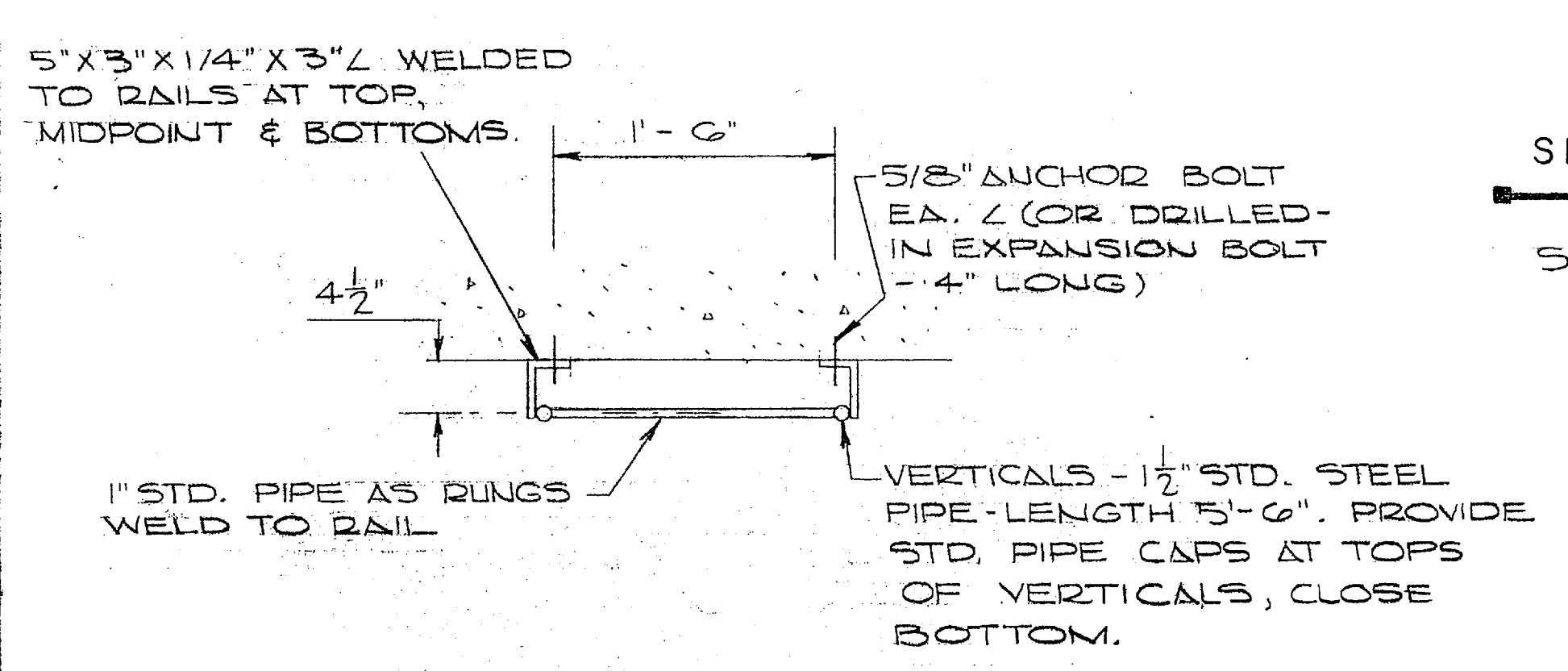
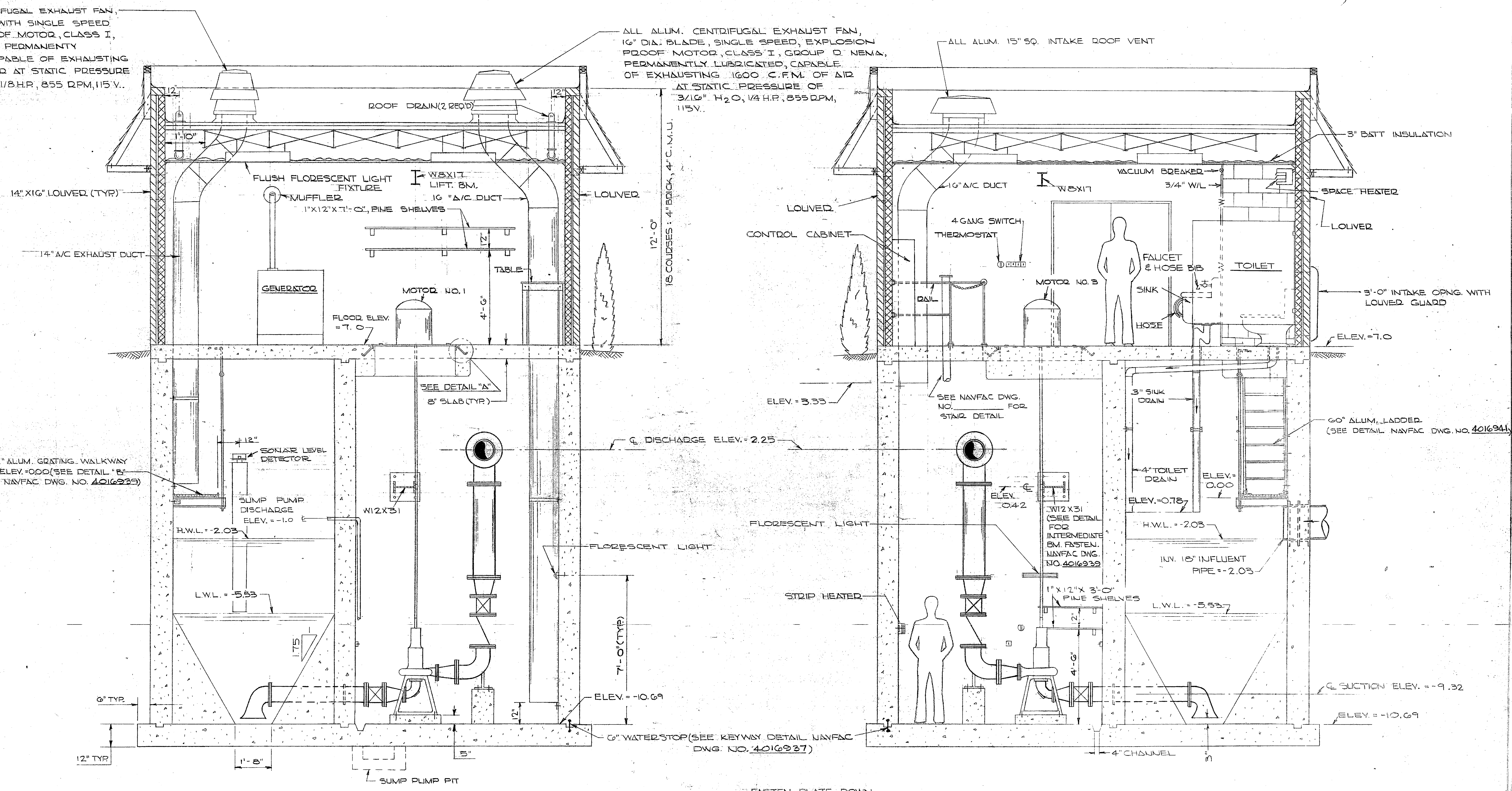


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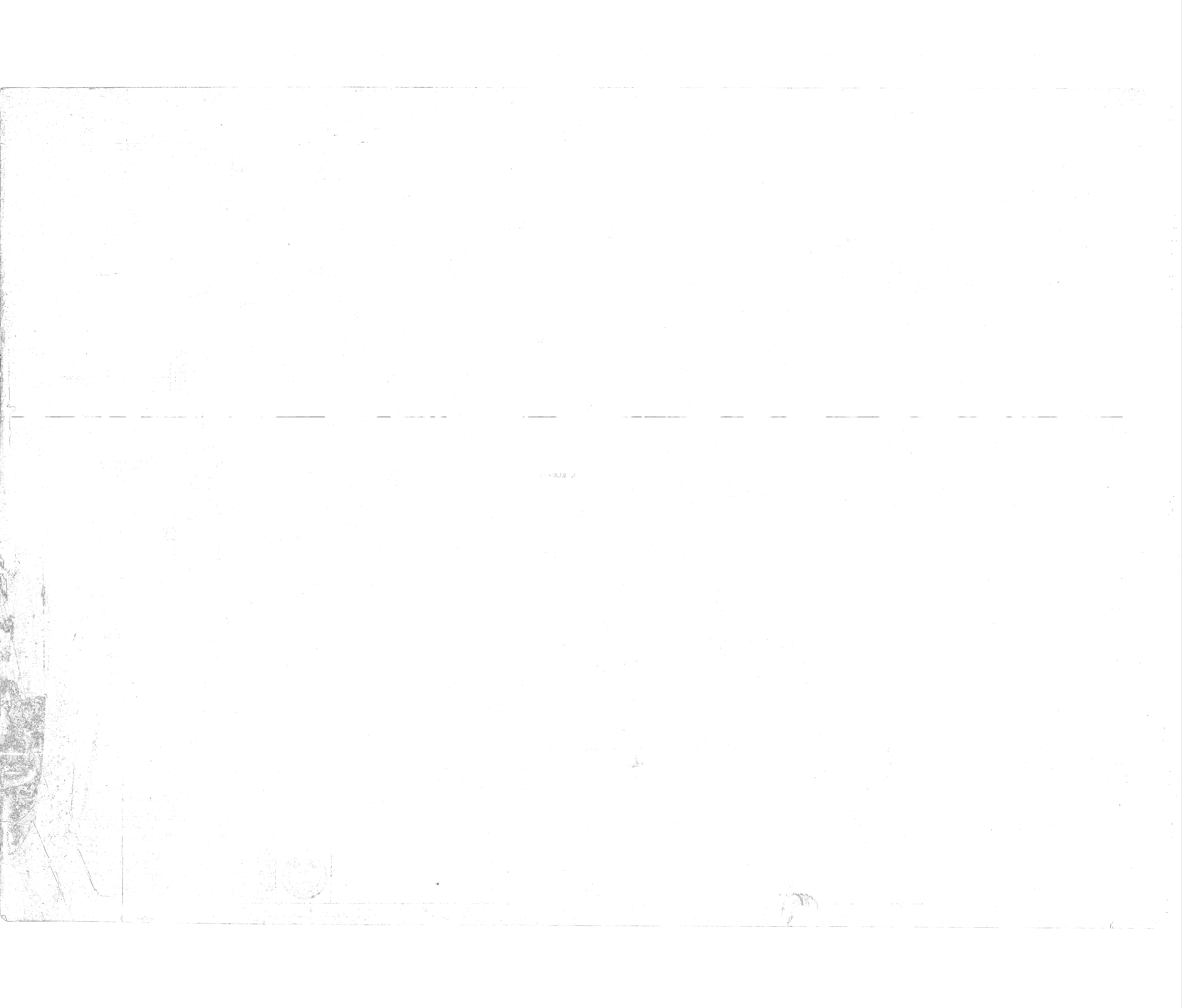
REVISIONS		
NO.	DESCRIPTION	DATE

ALL ALUM. CENTRIFUGAL EXHAUST FAN, 13 1/2" DIA. BLADE WITH SINGLE SPEED EXPLOSION PROOF MOTOR, CLASS I, GROUP D NEMA, PERMANENTLY LUBRICATED, CAPABLE OF EXHAUSTING 900 C.F.M. OF AIR AT STATIC PRESSURE OF 3/16" H₂O, 1/4 H.P., 855 RPM, 115 V.

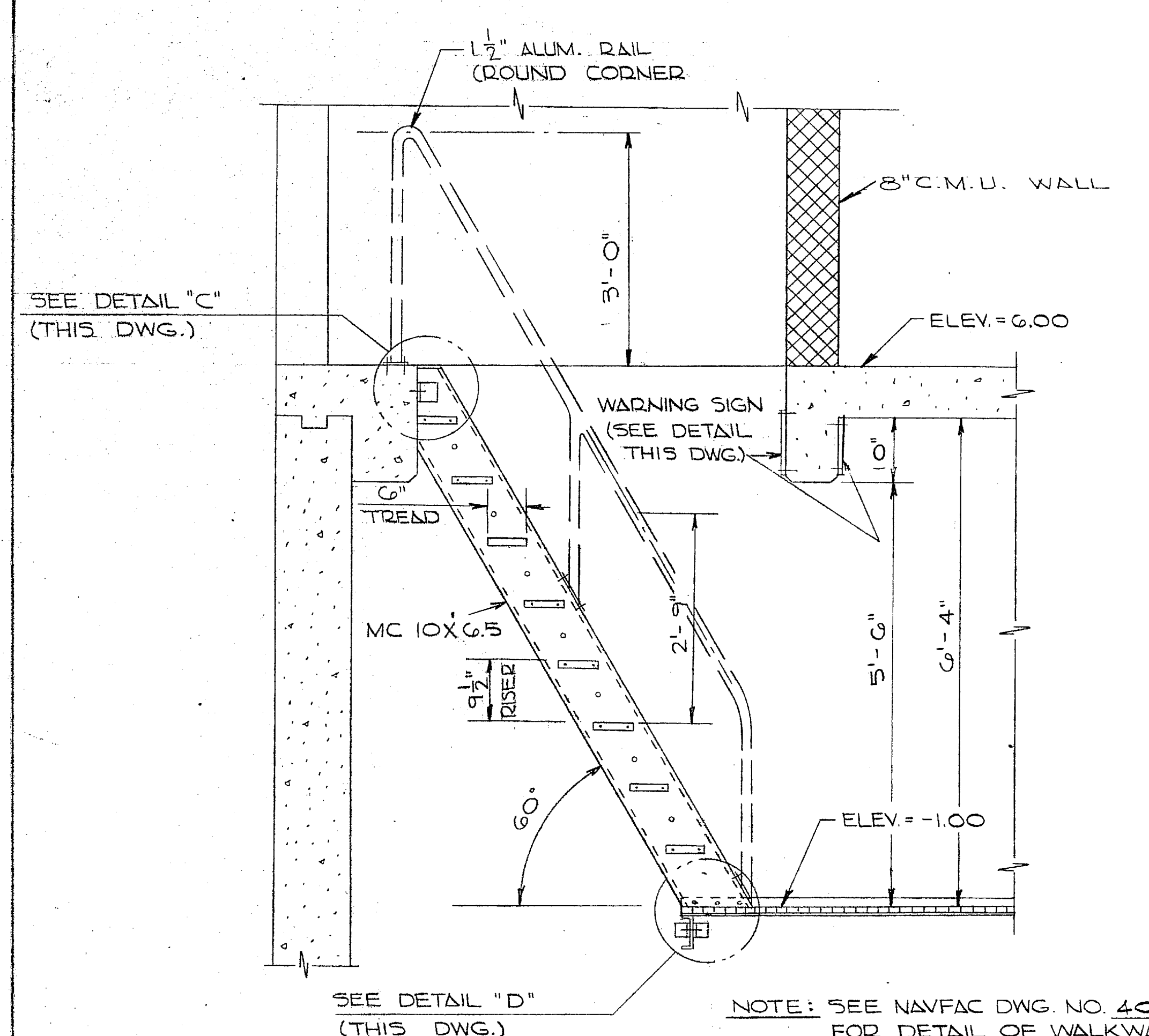
ALL ALUM. CENTRIFUGAL EXHAUST FAN, 16" DIA. BLADE, SINGLE SPEED, EXPLOSION PROOF MOTOR, CLASS I, GROUP D NEMA, PERMANENTLY LUBRICATED, CAPABLE OF EXHAUSTING 1600 C.F.M. OF AIR AT STATIC PRESSURE OF 3/16" H₂O, 1/4 H.P., 855 RPM, 115 V.



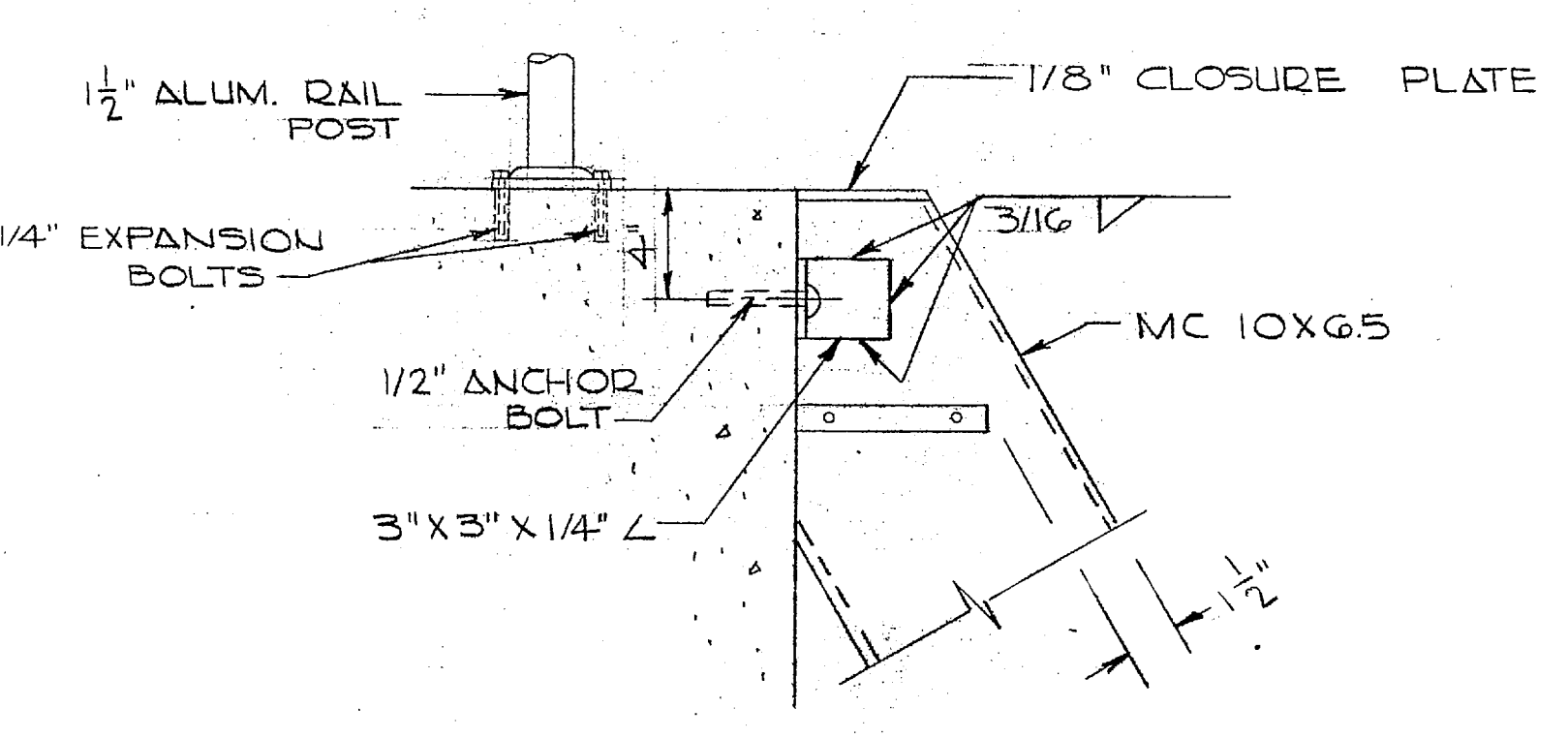
J. K. TIMMONS & ASSOC., INC. 1314 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.	
DES. M.L.E. DR. C.L. / DR. CH. M.L.E. PROJ. MGR. M.L.E. CH. ENGR. J.L.L. / L.L. SUBMITTED BY: <i>[Signature]</i> DATE: 9/12/74 FIRM MEMBER: <i>[Signature]</i> PRINCIPAL:		NEW RIVER MARINE CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA UTILITY EXPANSION NEW RIVER PUMP STATION SECTIONS	
APPROVED: <i>[Signature]</i> DATE: 11/29/74 OFFICER IN CHARGE:		APPROVED: <i>[Signature]</i> DATE: NOV 1974 SCALE AS SHOWN: 05-73-1153	
SEAL 4277		SIZE: 80091 CODE: 4016940 1153 1153 1153 1153	



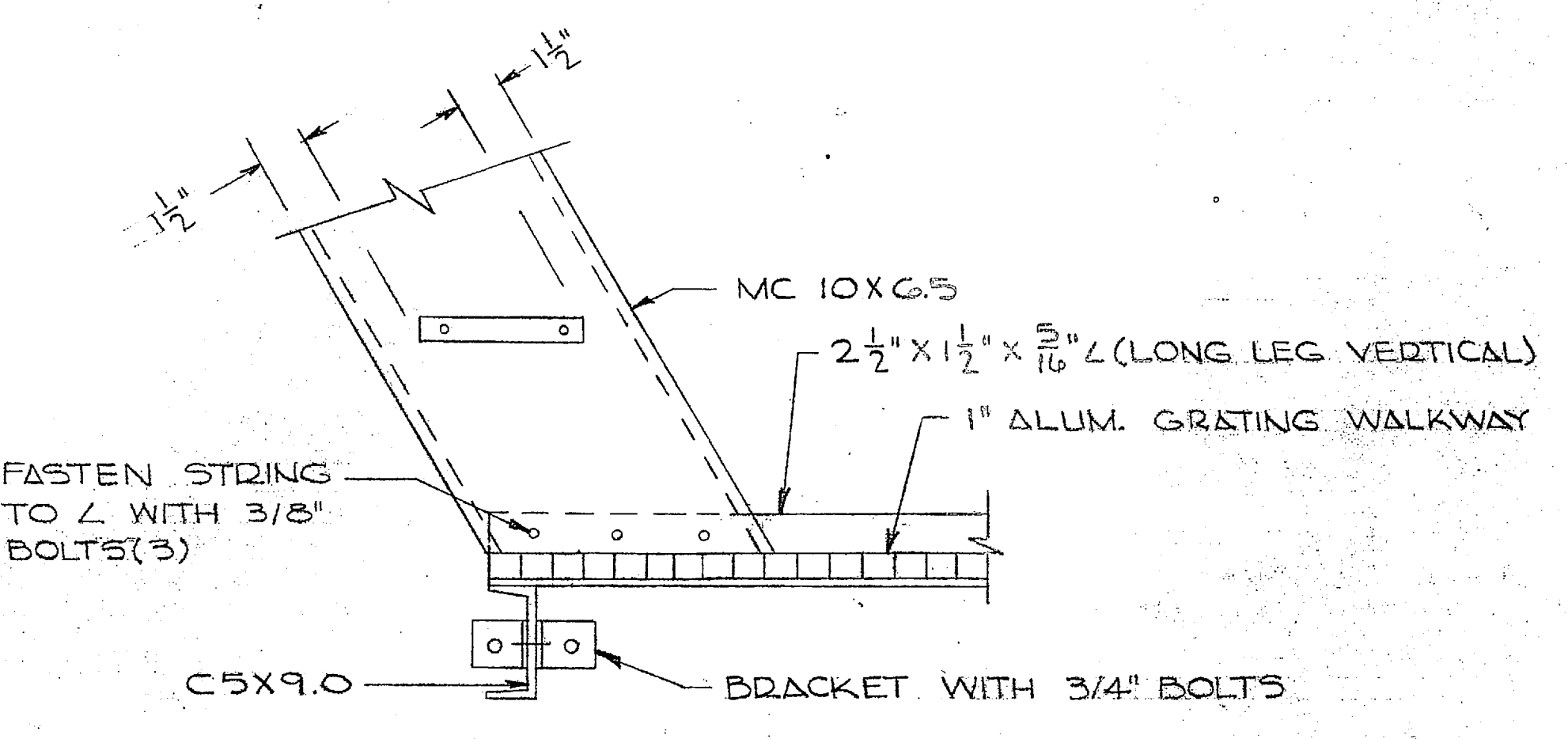
REVISIONS		
NO.	DESCRIPTION	DATE



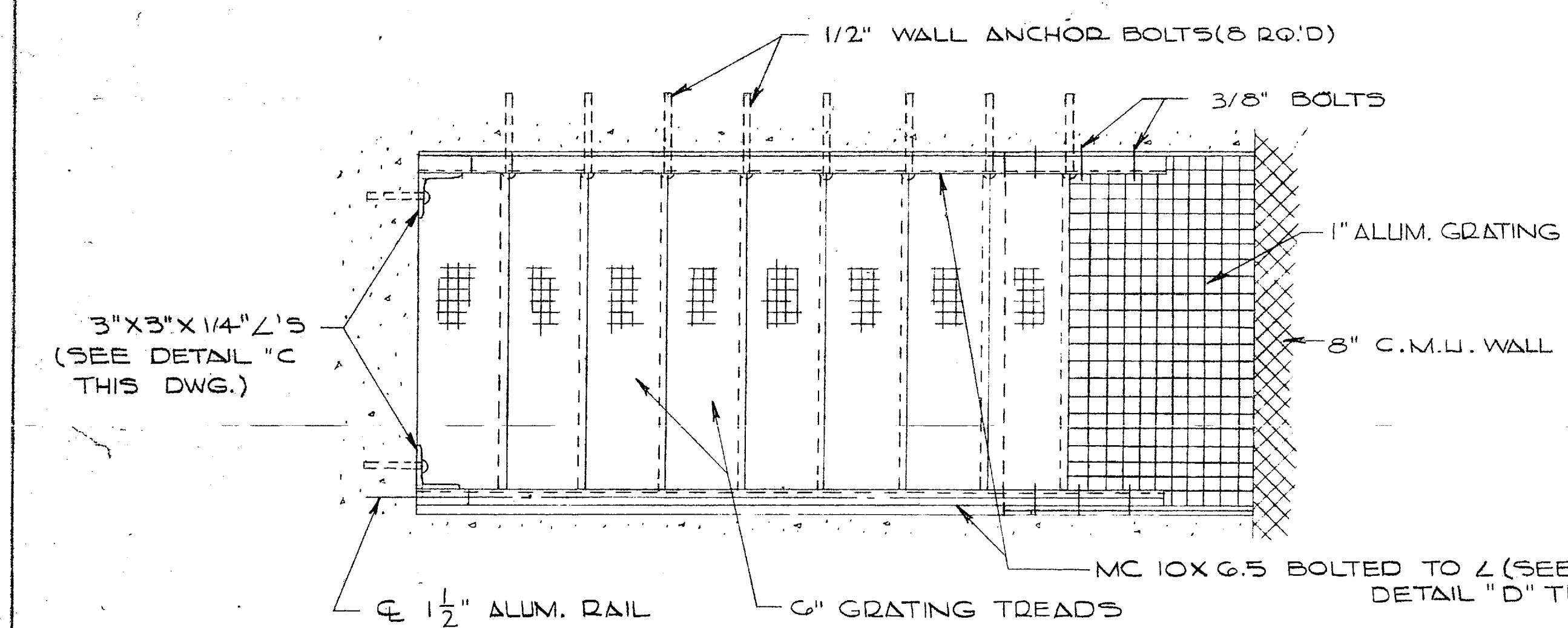
ELEVATION DETAIL - 60° ALUMINUM LADDER
SCALE: 3/4" = 1'-0"



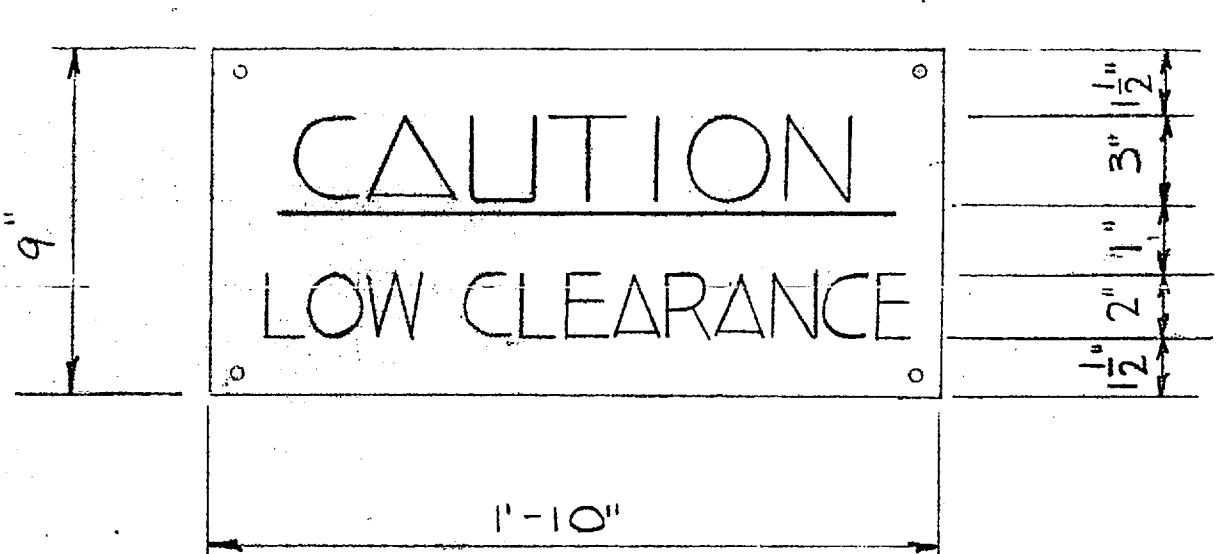
DETAIL "C"
NO SCALE



DETAIL "D"
NO SCALE

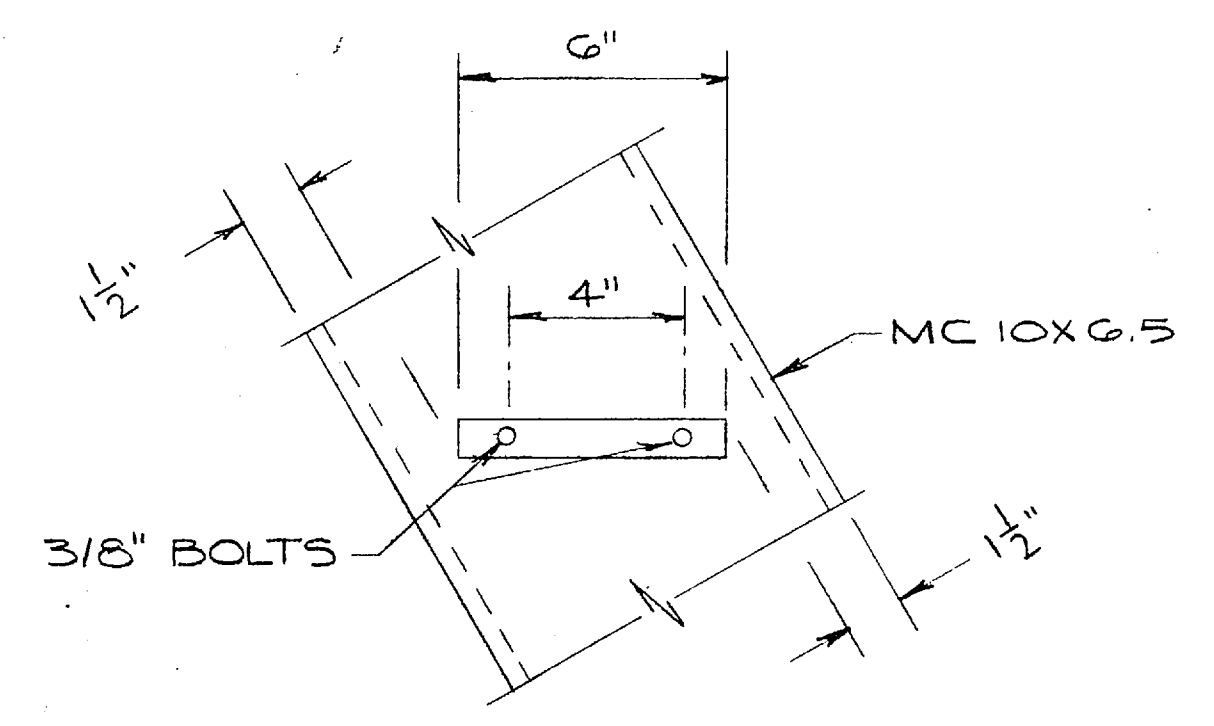


PLAN - 60° ALUMINUM LADDER TO WET WELL
SCALE: 1 1/2" = 1'-0"

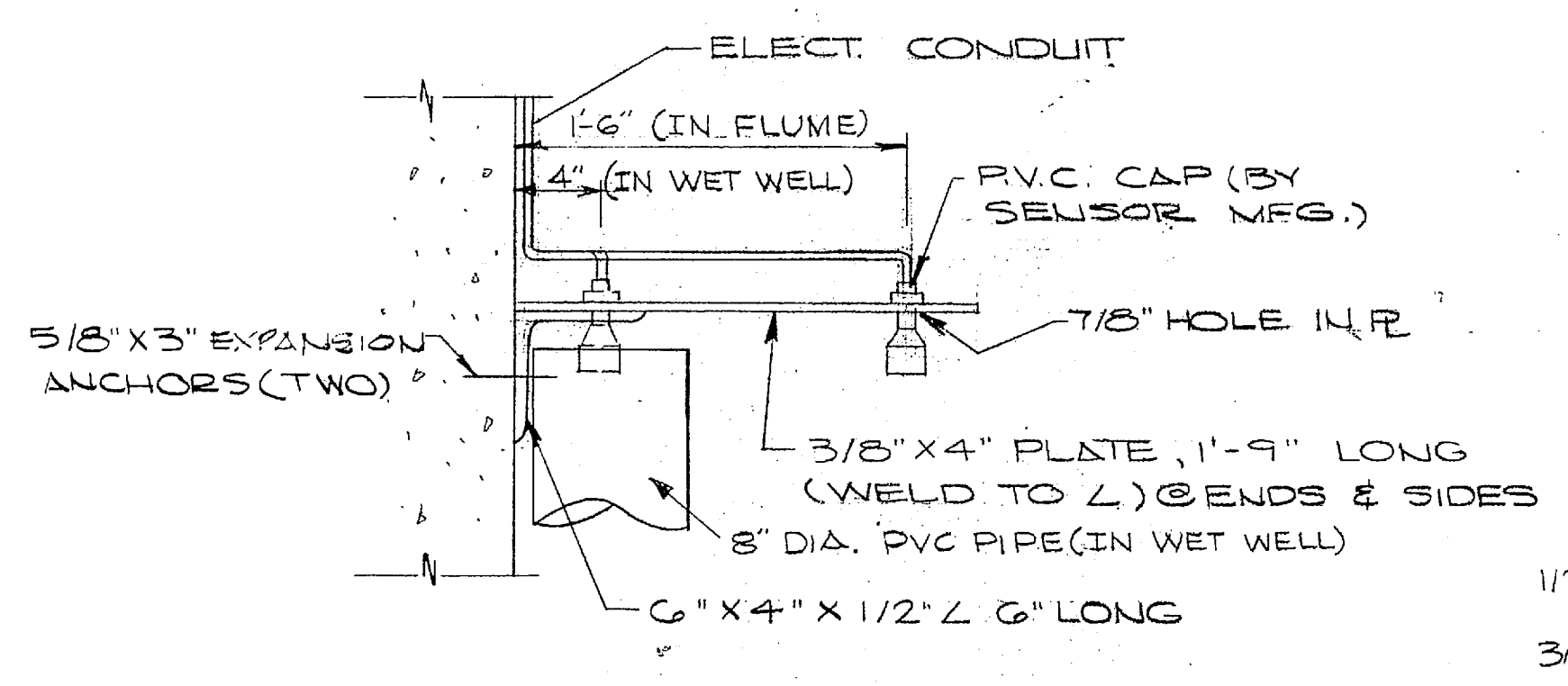


WARNING SIGN DETAIL
NO SCALE

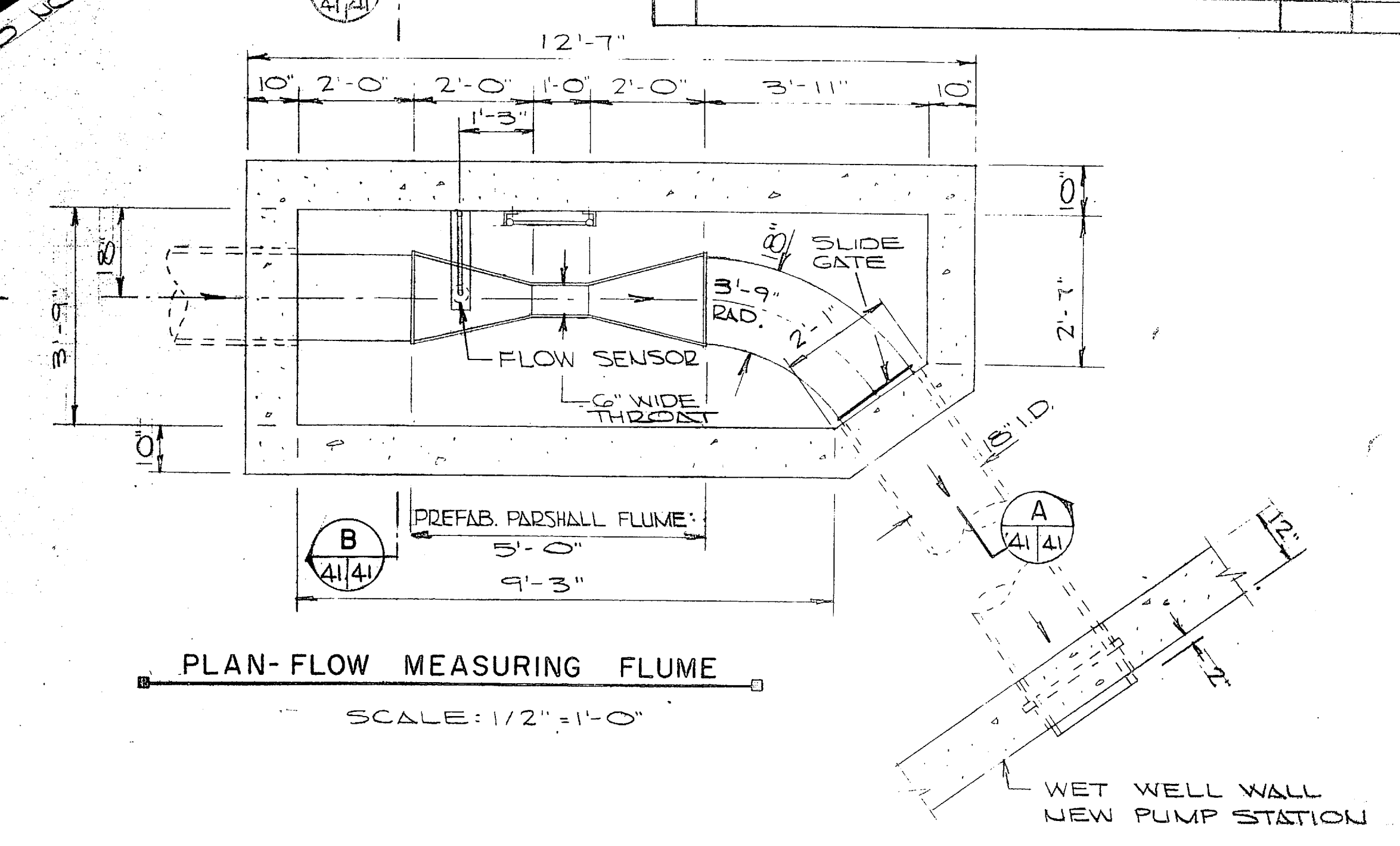
NOTE: FASTEN TO BEAM IN WET WELL WITH MASONRY NAILS.
NOTE: SIGN TO BE NEATLY STENCILED BY QUALIFIED SIGN PAINTER.



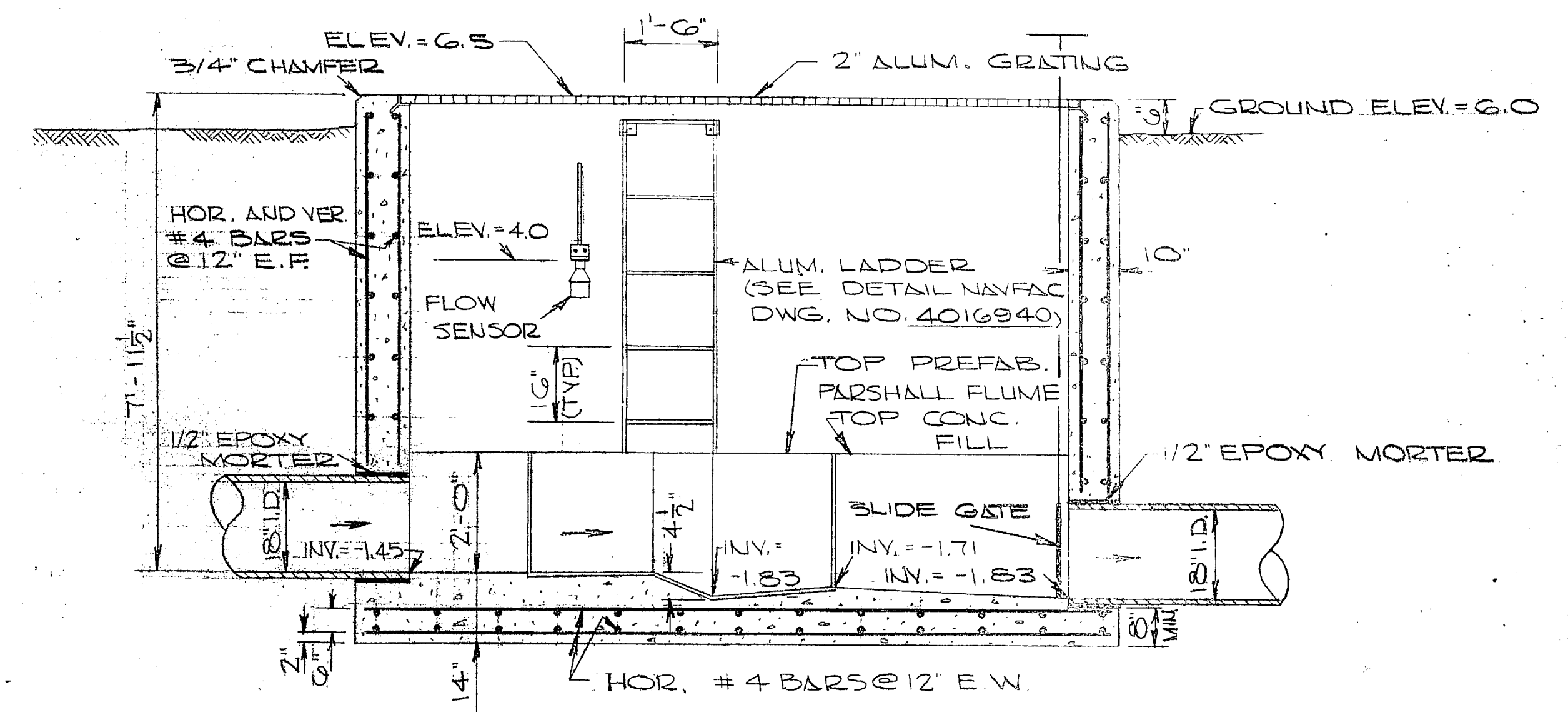
TYPICAL TREAD DETAIL
NO SCALE



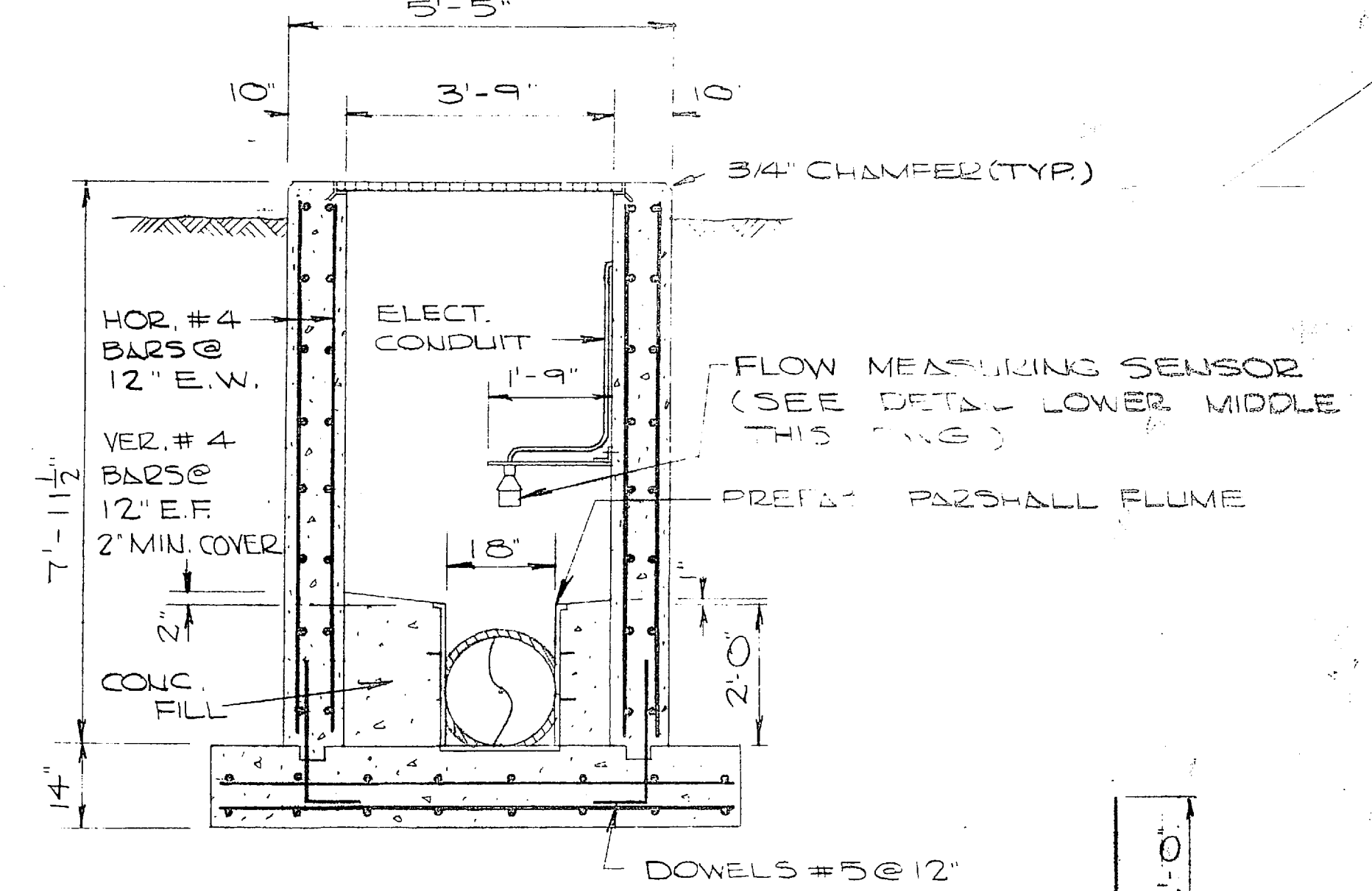
FLOW SENSOR MOUNTING DETAIL
SCALE: 1 1/2" = 1'-0"



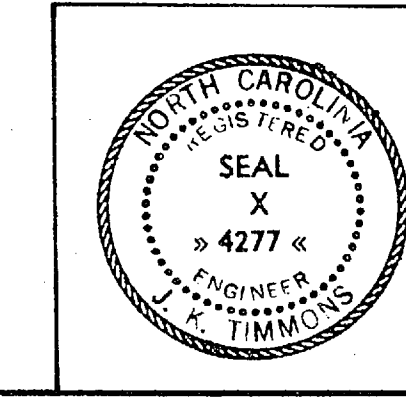
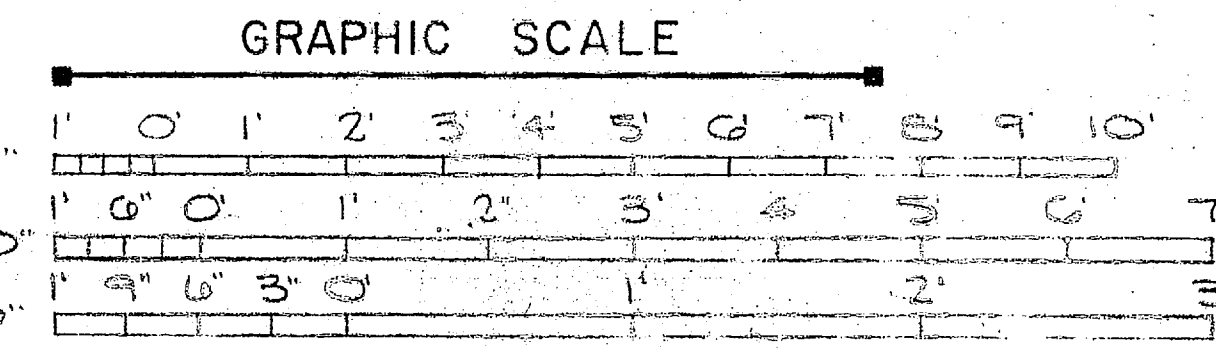
PLAN-FLOW MEASURING FLUME
SCALE: 1/2" = 1'-0"



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



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

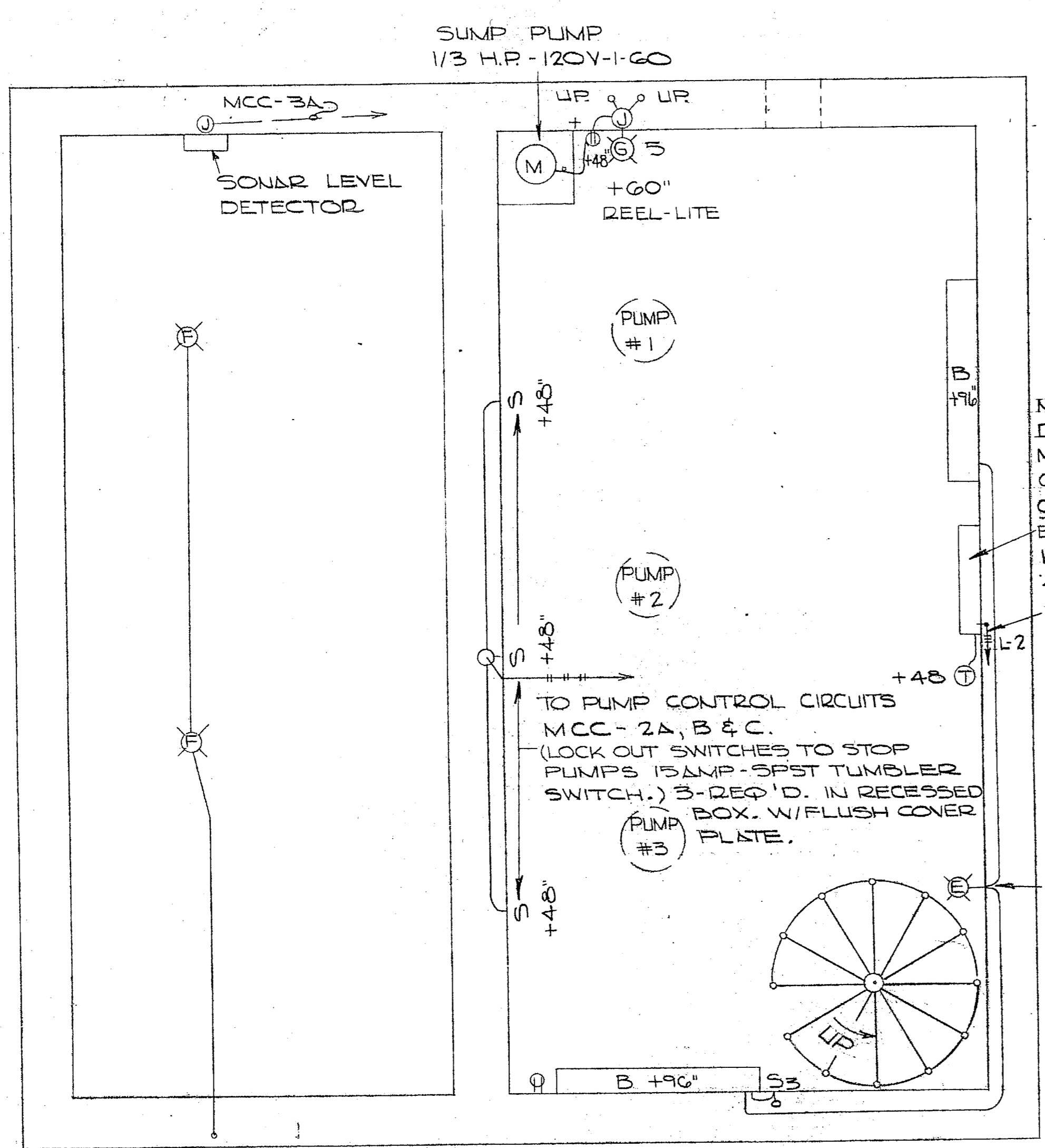


J. K. TIMMONS & ASSOC., INC. 154 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.
DESIGN: E. S. CL./D.B. CH. M.L.E. PROJ. MGR. M.L. B. CH. ENGR. J.M.L.L. SUBMITTED BY: J.M.L.L. DATE: 4/11/70 FIRM MEMBER: PRINCIPAL E.F.D. APPROVED: [Signature] DATE: 4/11/70	NEW RIVER MARINE CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA UTILITY EXPANSION NEW RIVER PUMP STATION DETAILS
OFFICER IN CHARGE: [Signature] DATE: 4/11/70	SIZE: 80091 CONSTR. CONTR. NO. N62470-73-B-1153 SCALE: AS SHOWN SPEC. 05-73-1153

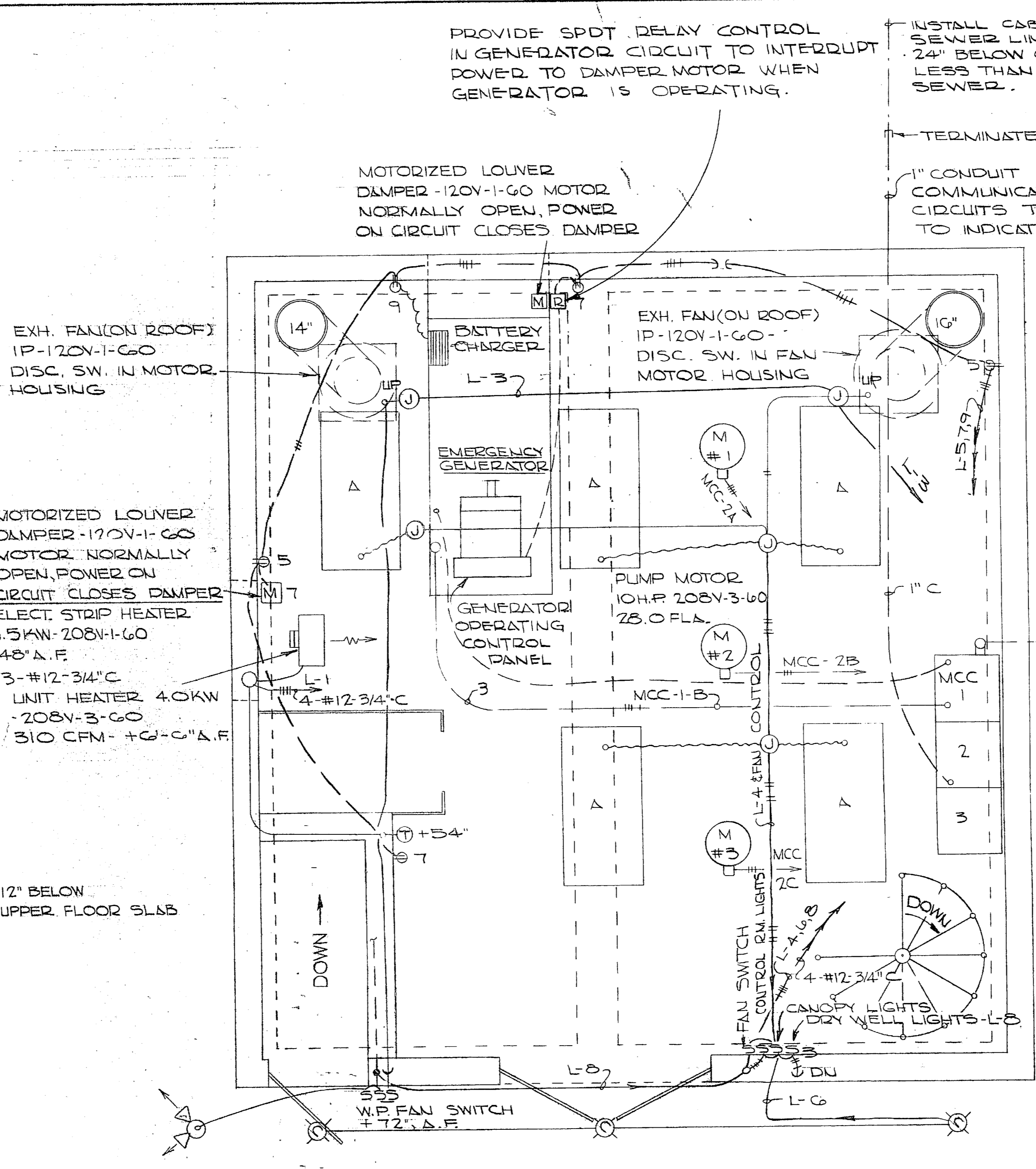


REVISIONS	
NO.	DESCRIPTION

STATE GRID NORTH



PLAN - DRY AND WET WELLS
SCALE: 1/2" = 1'-0"



PLAN - GENERATOR & CONTROL ROOM
SCALE: 1/2" = 1'-0"

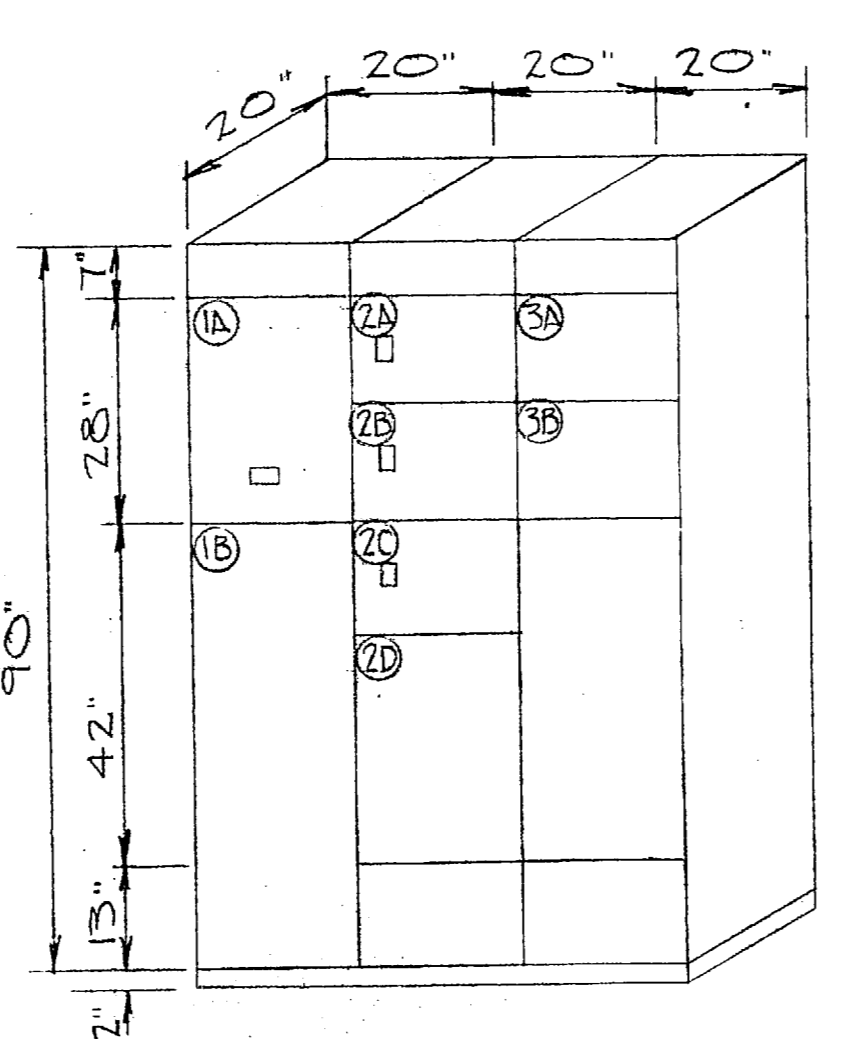
SYMBOL	SYMBOL SCHEDULE	DESCRIPTION
---	---	TRUNK OR MAIN CONDUIT
---	---	WALL OR CEILING BRANCH CRT. IN OR BELOW FL. SLAB
---	---	CONTROL CRT.
---	---	HOME RUNS TO RIBD OR MCC (ARROWS SHOW NO. OF CKTS.)
○	○	W/P
○	○	DUPLX OUTLET W/P WEATHER PROOF COVER
S	S	WALL SWITCHES - SPST - 3WAY - 4WAY
SM	SM	MOTOR PROTECTION SWITCH
□	□	DISCONNECT SWITCH
⊗	⊗	MAGNETIC MOTOR STARTER-CONTACTOR
⊕	⊕	RM. THERMOSTAT - 54" AFL.
M	M	ELECTRIC MOTOR
⊙	⊙	LIGHTING FIXTURES
⊘	⊘	TIMED SWITCH
J	J	JUNCTION BOX
R	R	PUMP RUNNING TIME RECORDER
P	P	PRESSURE SWITCH
M	M	MOTORIZED CONTROL DAMPER (24V.)

ELECTRICAL LOAD SUMMARY	
LOAD	KVA
SINGLE PHASE (BALANCED) PUMPS	7.8
THREE PHASE TOTAL	34.9
TOTAL LOAD (3 PUMPS)	42.7
LARGEST MOTOR (OHP-3P)	9.8
ELECTRIC RESISTANCE HEAT	4.0
PROBABLE DEMAND (PUMPS)	27.6

PUMP OPERATING SCHEDULE			
WATER LEVEL ELEV. - FT.	LEVEL RISING 12" END UP	LEVEL FALLING 12" END DN	HEAD TOTAL (FEET)
ABOVE -1.0	START PUMP STOP PUMP	1530	36.5
-2.03	HIGH LEVEL ALARM STOP NO. 3	1400	25
-2.20	START NO. 1	700	2.2
-5.53	ALL PUMPS OFF	0	0

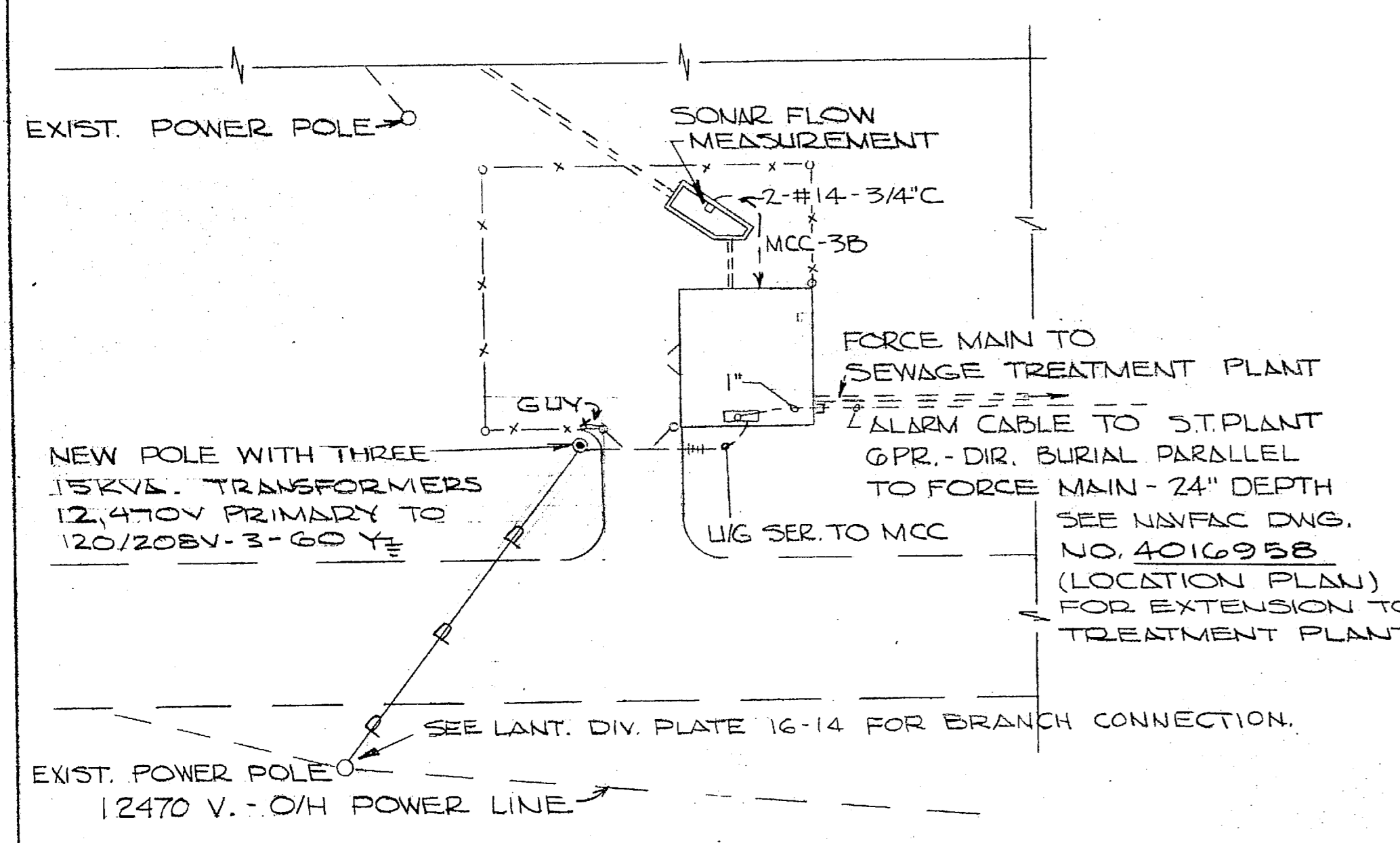
MOTOR CONTROL CENTER

- 1-A MAIN DISCONNECT SWITCH - 200AMP - 600VOLT - TYPE 3b CIRCUIT BREAKER - 25000 AIC (SYMMETRICAL) INTERRUPTING RATING -
- 1-B AUTOMATIC TRANSFER SWITCH (NARROW TYPE) - 275 AMP FRAME 250 VOLTS - 3POLE - 4WIRE - CLASS 3b CIRCUIT BREAKERS, SET 175 AMPS - THERMAL MAGNETIC TRIPS.
- 2-A PUMP CONTROLS - 60AMP - 250VOLT - 3POLE - TYPE 2d CIRCUIT BREAKER (18,000 AIC RATING) - SIZE #2 MAGNETIC MOTOR STARTER, THREE-LEG OVERLOAD PROTECTION, HAND-OFF-AUTO SELECTOR SWITCH IN COVER; 2 AUX. CONTACTS - 120V. CONTROL.
- 2-D LIGHTING PANEL - "L"
- 3-A SONAR LIQUID LEVEL DETECTOR - PUMP CONTROL & ALARM.
- 3-B " FLOW MEASUREMENT.

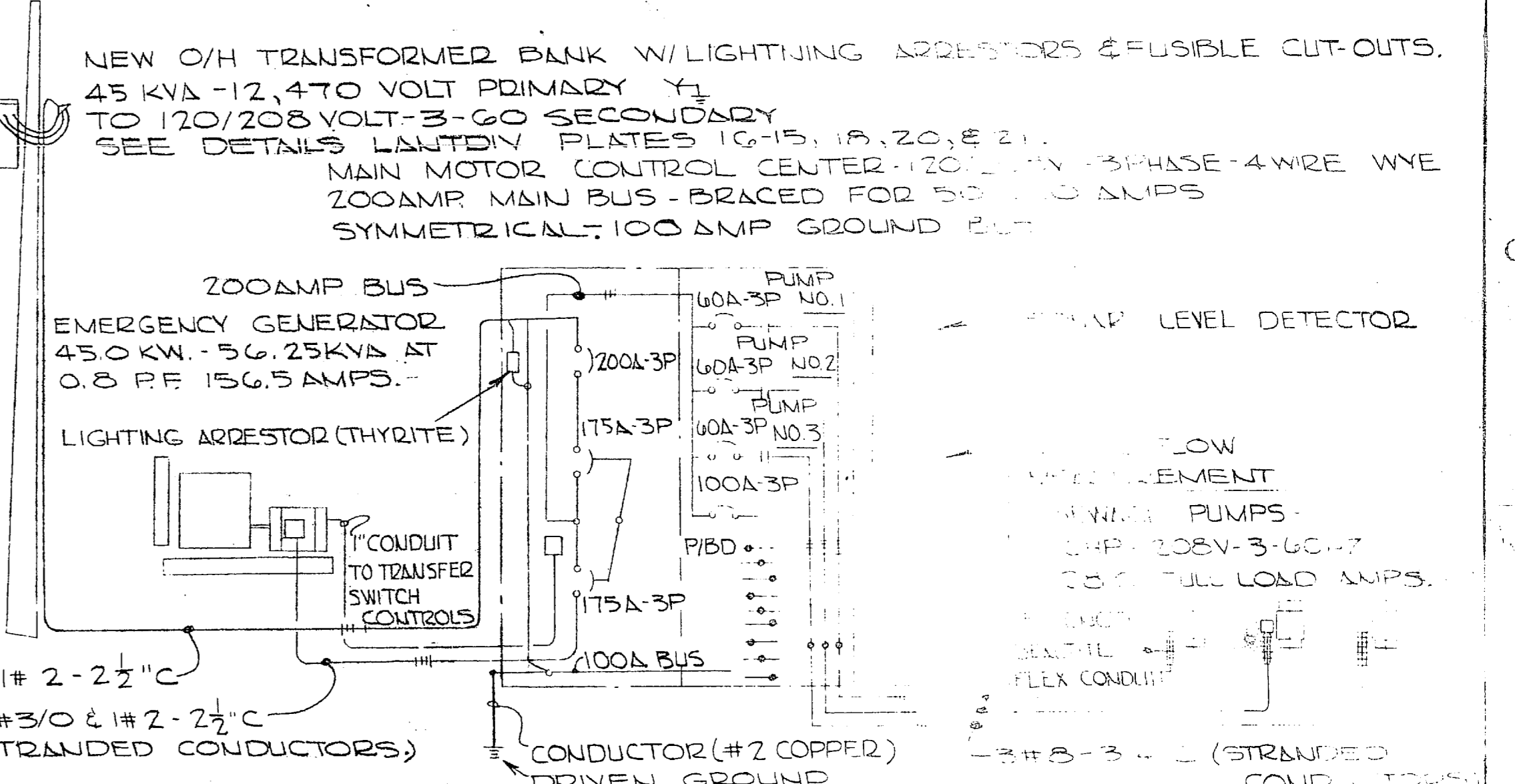


MOTOR CONTROL CENTER
NO SCALE

MCC - PANEL BOARD 2-D		
PANEL BOARD	BREAKER NO	LOAD DESCRIPTION
P/BD-L	1 3 15	ELECT HEAT CONTROL RM - 4KW
100A/120/208V	2 2 15	" - DRY WELL - 2KW
3PHASE 4WIRE	3 1 15	EXH. FANS - 1ØHP & 1/4HP
5A - 100AMP	4 1 20	LIGHTS CONTROL RM
3POLE TYPE 2d	5 1 20	DUPLEX - + SUMP PUMP (1ØHP)
MAIN BREAKER	6 1 20	LIGHTS - EXTERIOR
BRANCH BARS	7 1 20	DUPLEX - + DAMPER MOTORS
TYPE 1c & 1b	8 1 20	LIGHTS WET & DRY WELLS
10000AIC	9 1 15	GENERATOR BATTERY CHARGER
250V - A.C.	10 1 15	SONAR FLOW METERING
	11 1 20	
	12 1 20	
	13 1 20	
	14 1 20	
	15 1 20	

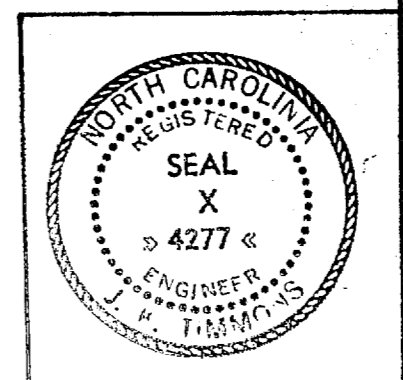
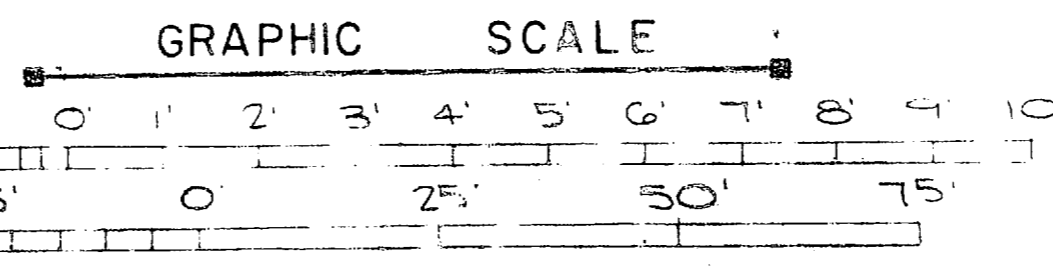


PART SITE PLAN - ELECTRICAL
SCALE: 1" = 20'



RISED DIAGRAM - POWER SYSTEM - SCHEMATIC
NO SCALE

NOTE: ALL CONDUCTORS TO BE COPPER UNLESS OTHERWISE INDICATED. INSULATION TO BE TYPICAL.



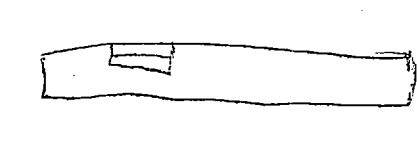
J. K. TIMMONS & ASSOC., INC. 1314 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS	DEPARTMENT OF THE NAVY NAVAL STATION NEW RIVER MARINE STATION T-HELLY 3RD FL.
DES. BEC. DR. CL. / DR. BCK. BEC. PROJ. MGR. M. L. BECH. ENGR. J. L. H. L. SUBMITTED BY: Y. J. B. DATE: 8/11/76	UTILITY DIVISION NEW RIVER MARINE STATION ELECTRICAL
FIRM MEMBER: R. V. D. DATE: 8/11/76	APPROVED: [Signature] DATE: 8/11/76
APPROVED: [Signature] DATE: 8/11/76	APPROVED: [Signature] DATE: 8/11/76
FOR STD. FOR COMMANDER NAVYAC	SCALE AS SHOWN

705 100 8 0000

20.65
13.60
7.05

6.12
33
7.05

26.65
15.60
11.05



25.2
3
48

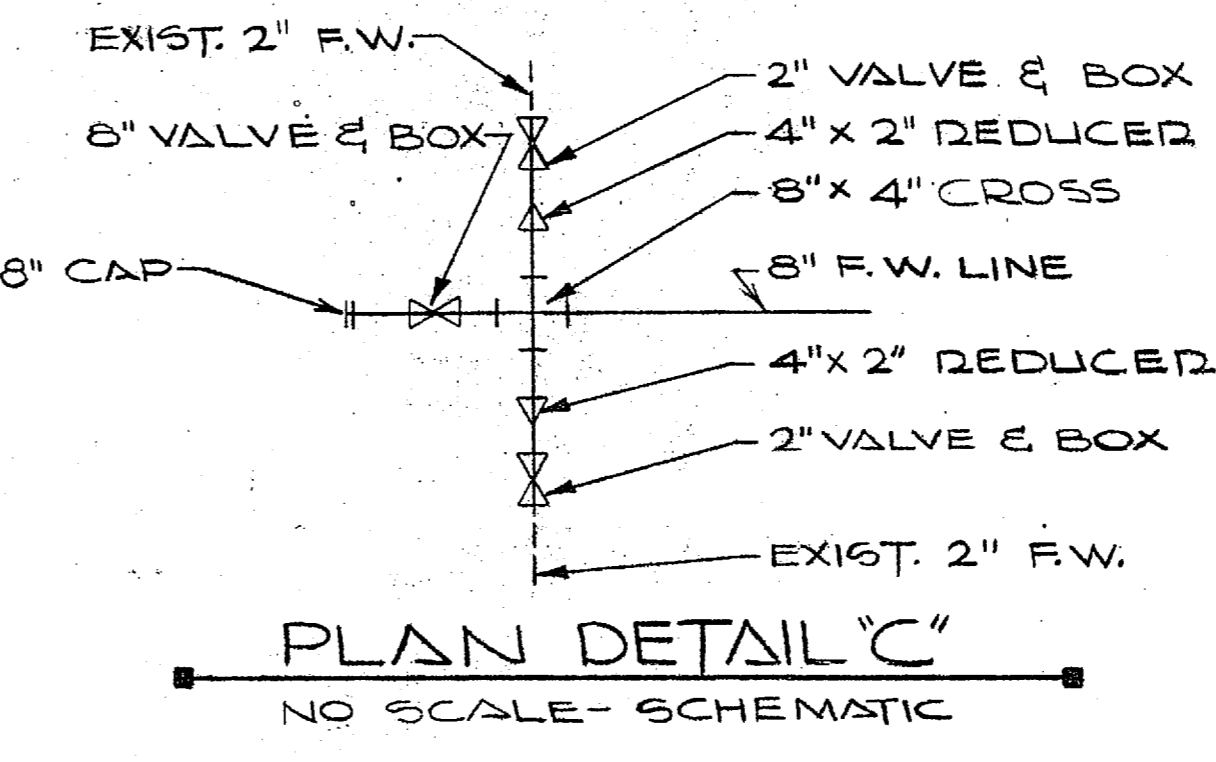
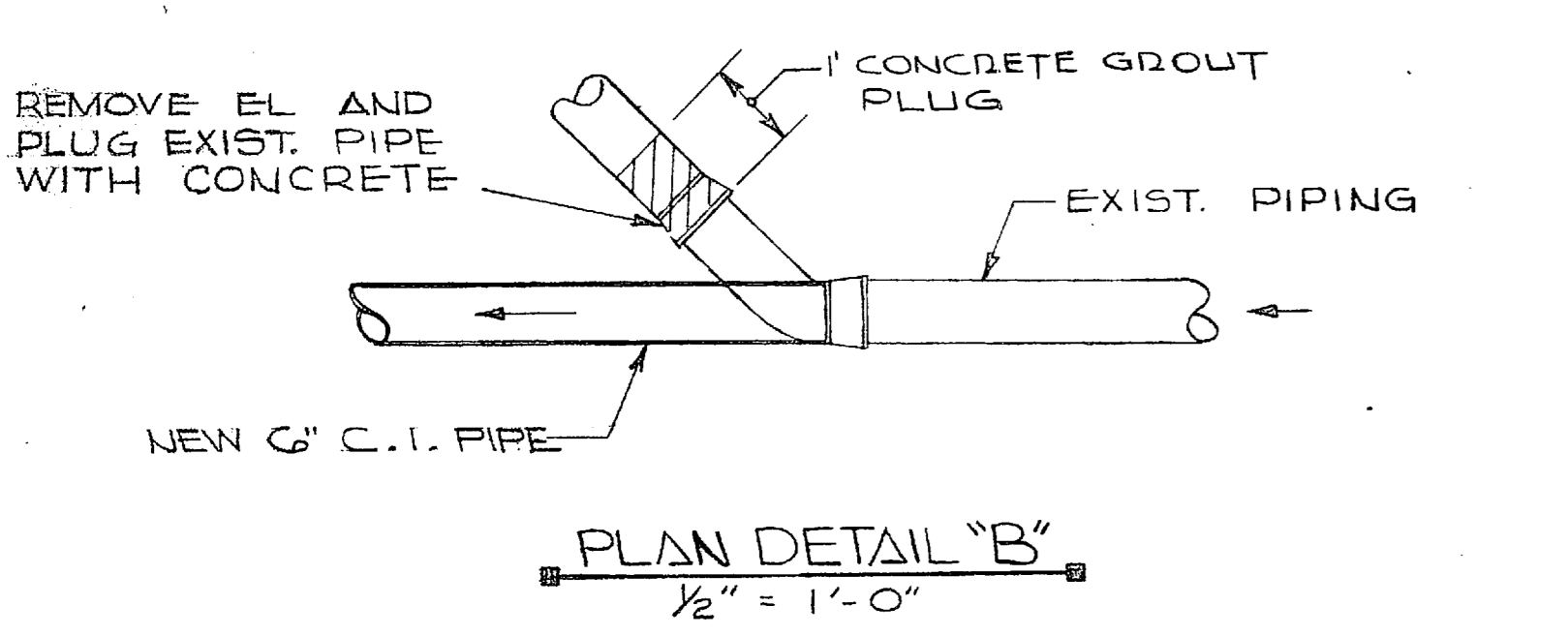
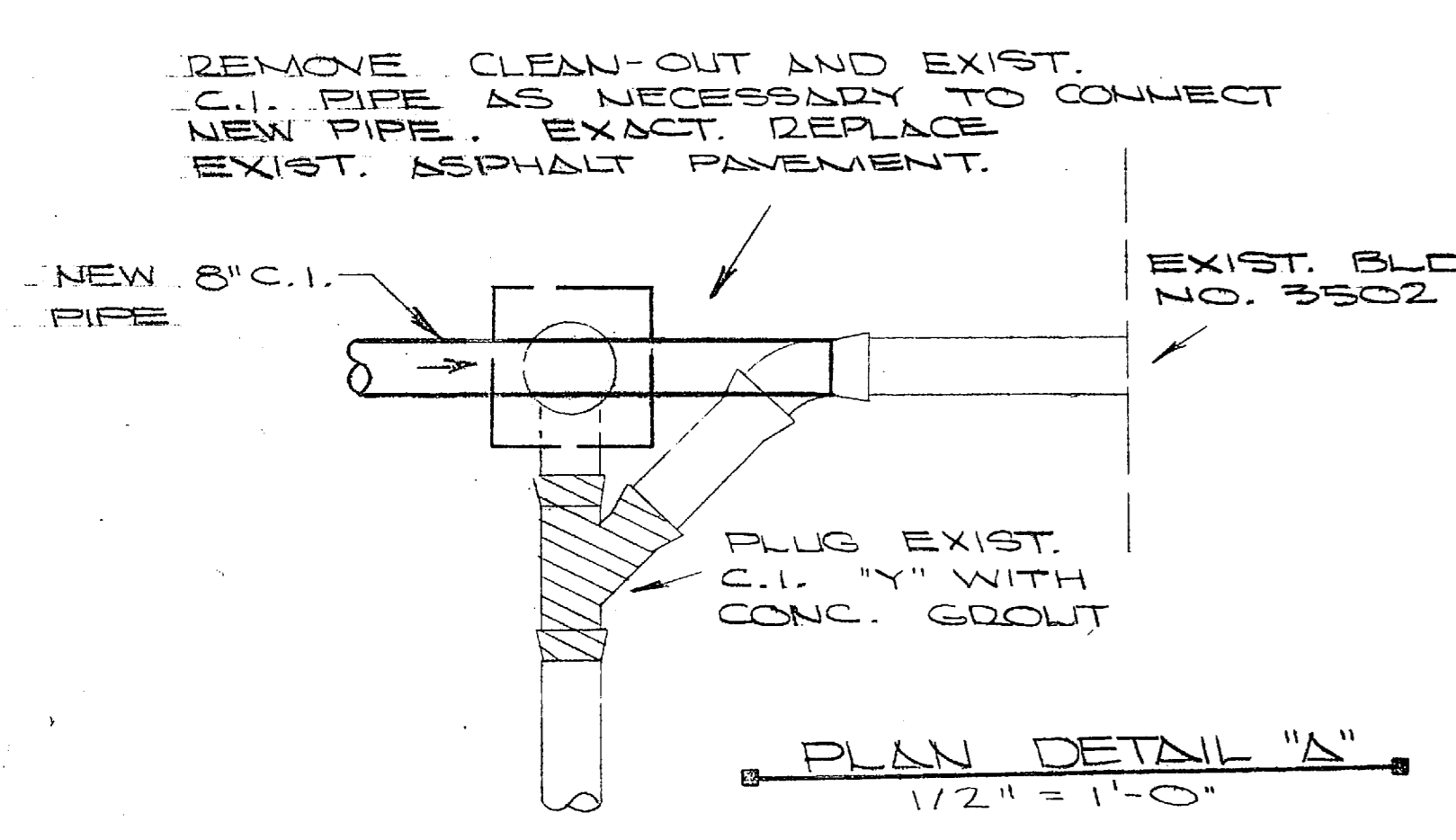
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3
74

02

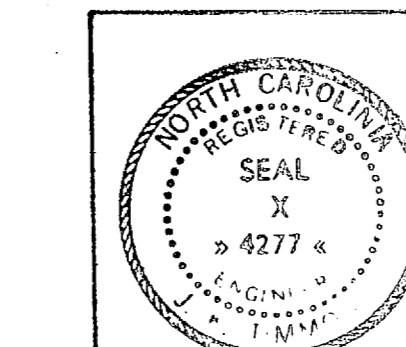
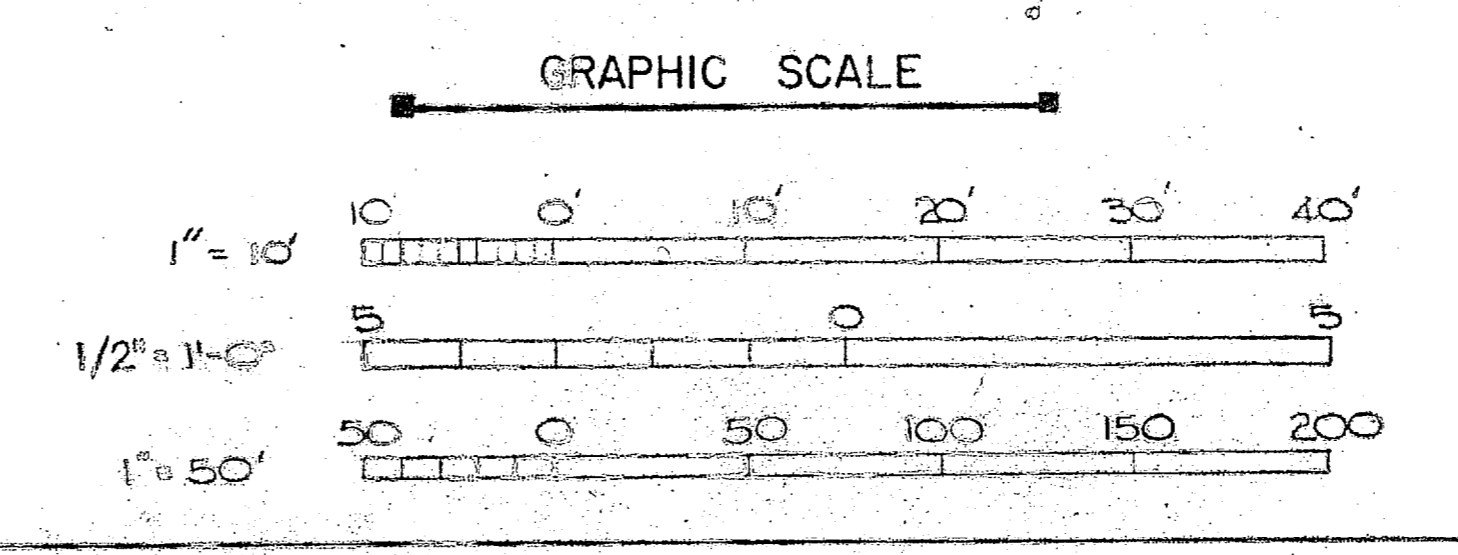
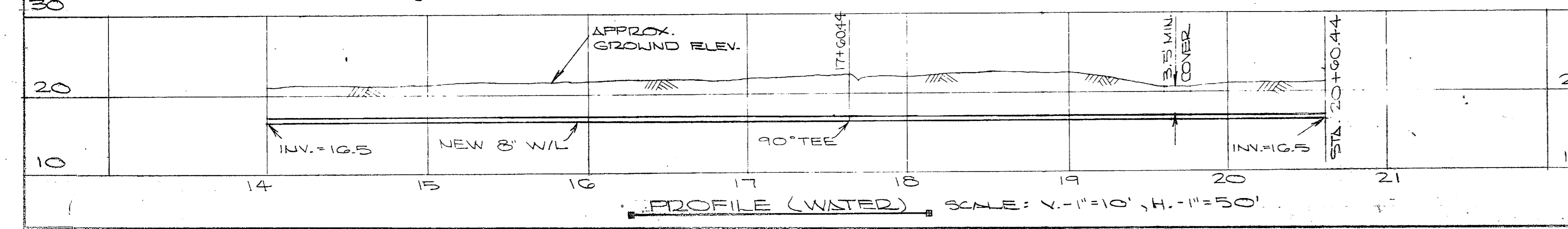
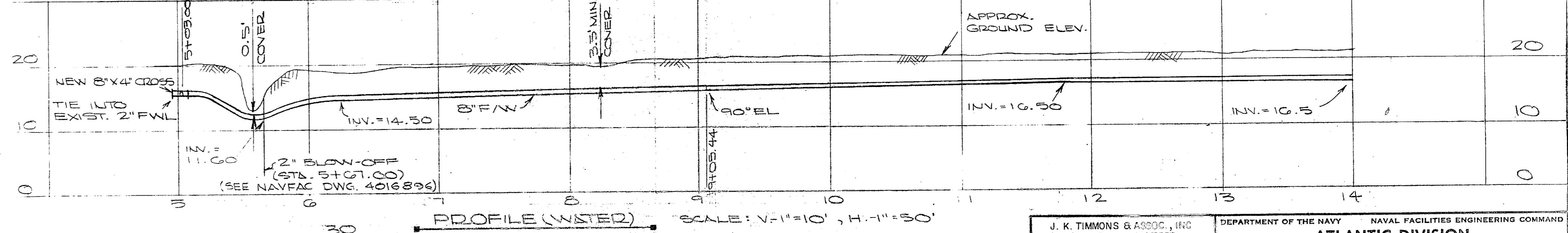
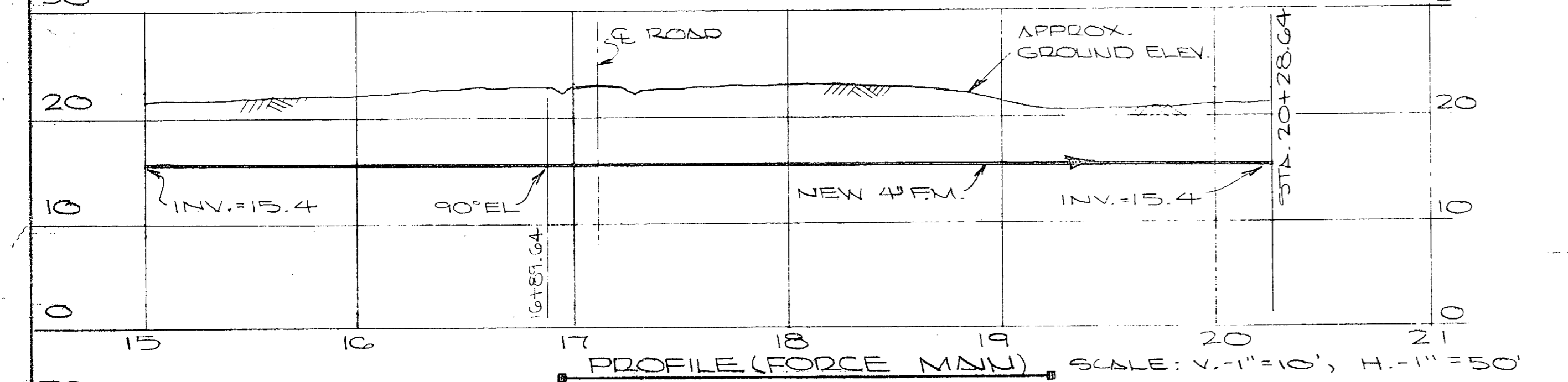
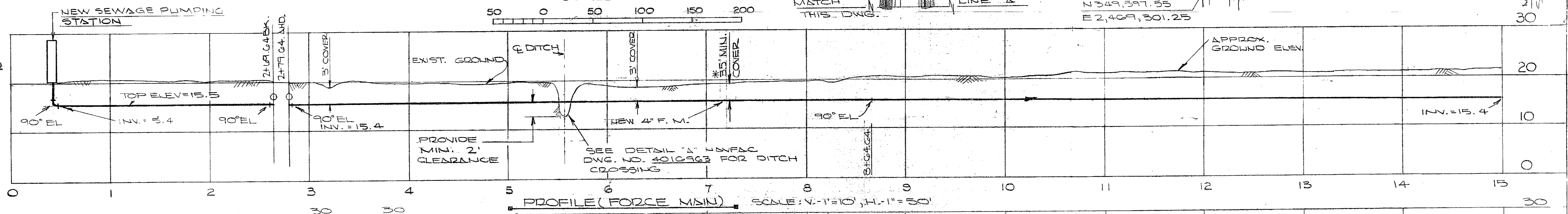
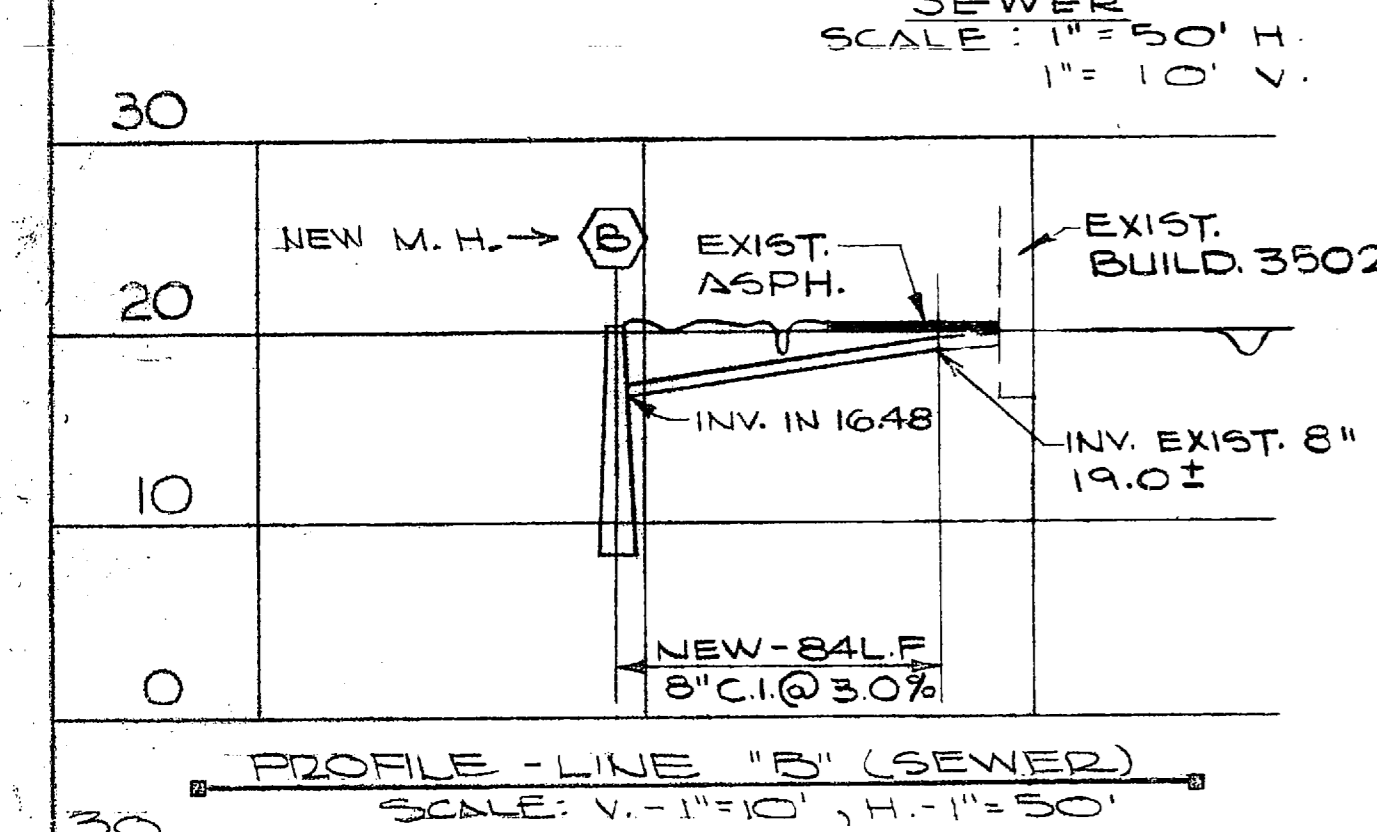
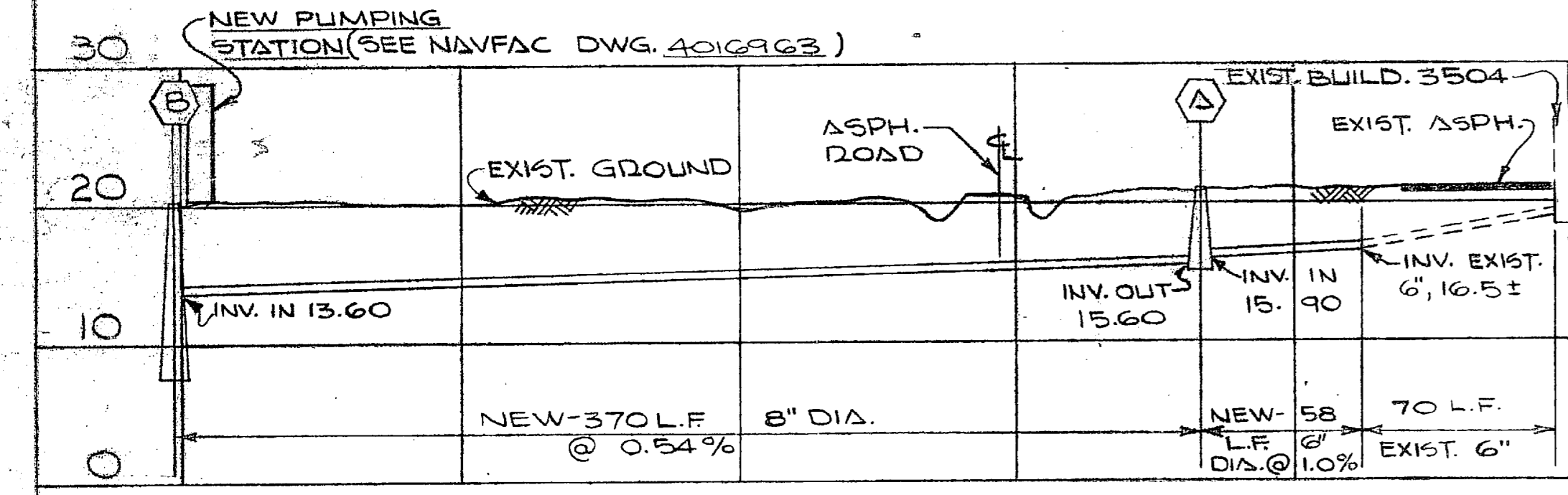
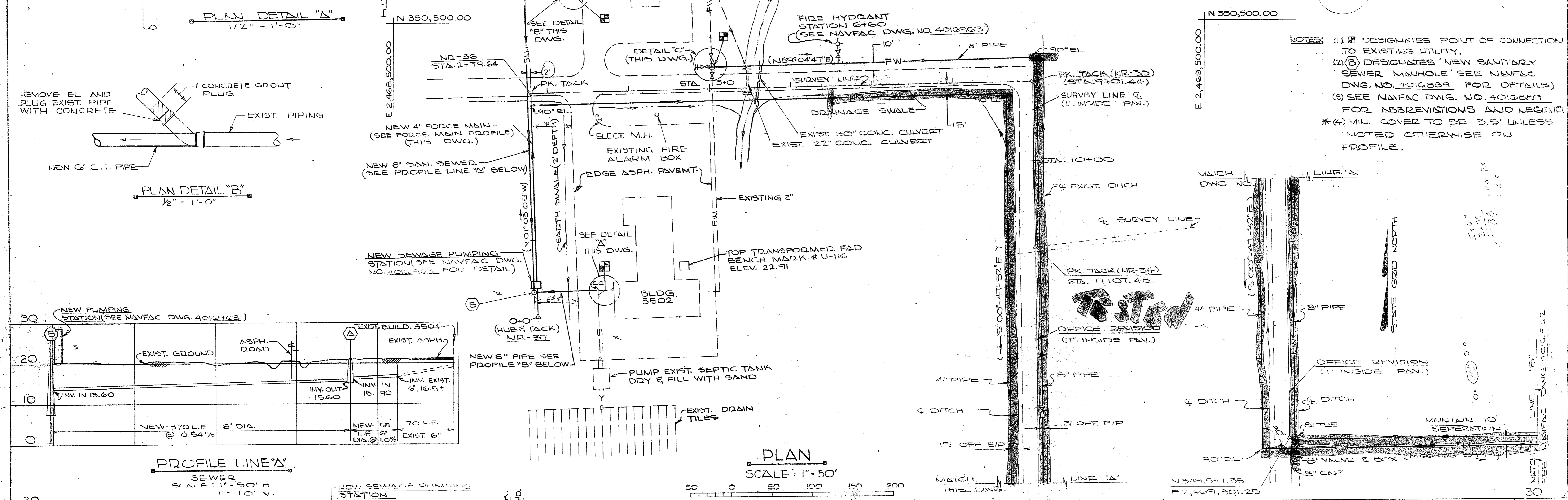
360 B.M.
362

REVISIONS		
NO.	DESCRIPTION	DATE

NORTH CAROLINA STATE COORDINATES		
NR-35	N. 350,422.45	E. 2,469,289.84
NR-36	N. 350,412.46	E. 2,468,668.18
NR-37	N. 350,132.90	E. 2,468,678.31
NR-34	N. 350,216.48	E. 2,469,292.89



NOTES: (1) (A) DESIGNATES POINT OF CONNECTION TO EXISTING UTILITY.
 (2) (B) DESIGNATES NEW SANITARY SEWER MANHOLE. SEE NAVFAC DNG. NO. 4016889 FOR DETAILS.
 (3) SEE NAVFAC DNG. NO. 4016889 FOR ABBREVIATIONS AND LEGEND.
 * (4) MIN. COVER TO BE 3.5' UNLESS NOTED OTHERWISE ON PROFILE.



J. K. TIMMONS & ASSOC., INC. 134 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND ATLANTIC DIVISION NAVAL STATION NORFOLK, VA.	
DES. M.L.E. DR. C.L./D.E.S.H.K.A.L.L.E. PROJ. MGR. M.L.E. CH. ENGR. C.H.H. QUANTIFIED BY: Y.Y. & G.A. DATE: 8/27/74 FIELD MEMBER: R.V.C. DATE: 8/27/74 NO. 1157 RVC DATE: 8/27/74		NEW RIVER MARINE CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA UTILITY EXPANSION MARS 26 WATERLINE & FORCE MAIN 4016961	
APPROVED: [Signature]	DATE: 11/27/74	NO. 80091	4016961
OFFICER IN CHARGE		SCALE AS SHOWN SFL 05-73-1155	



bale

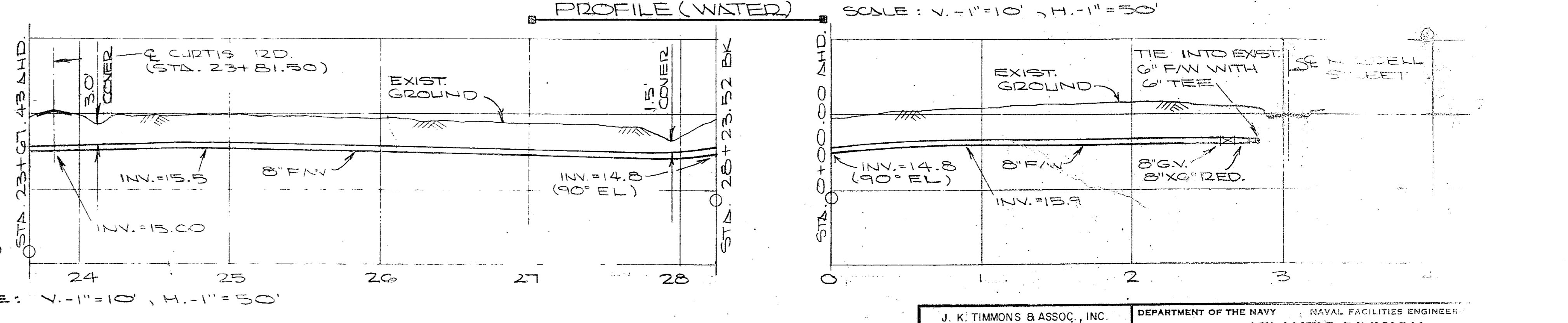
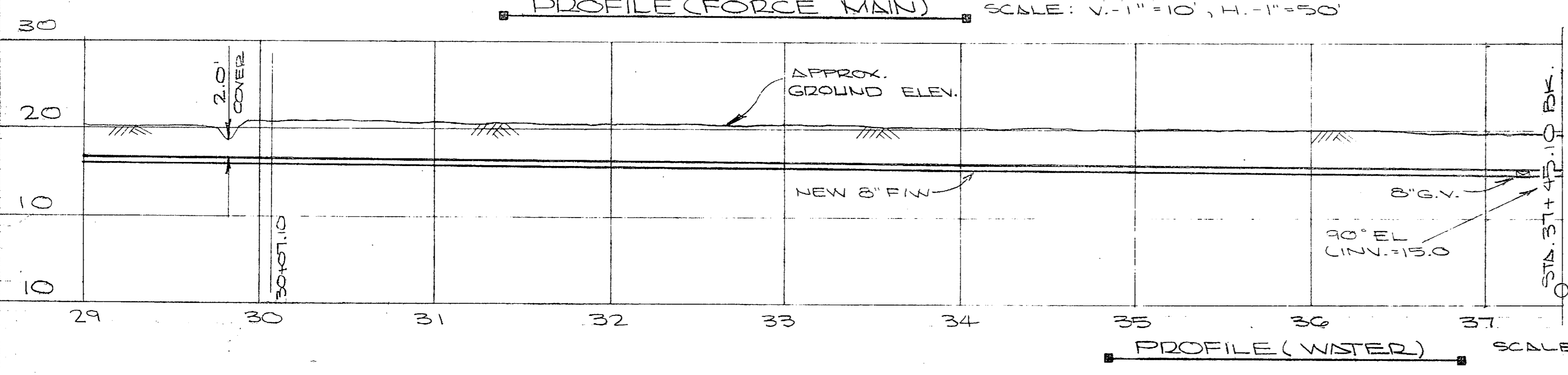
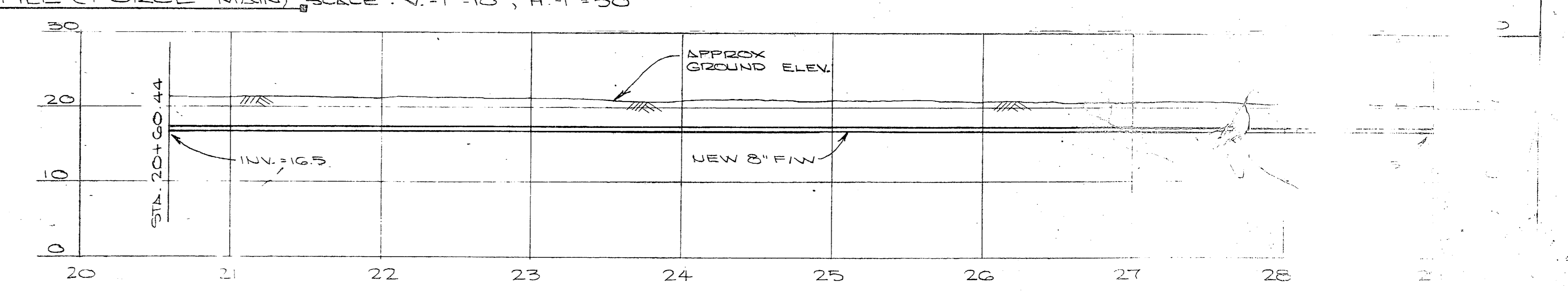
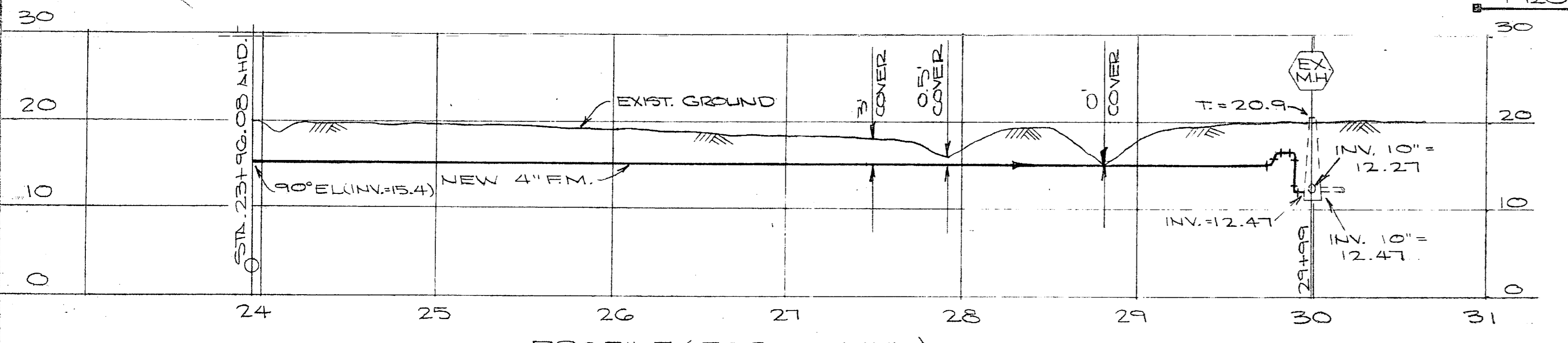
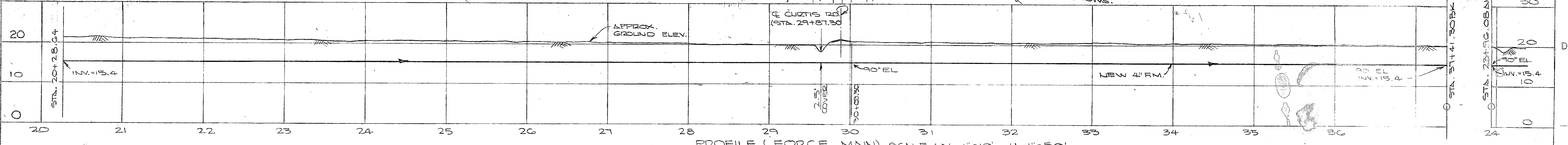
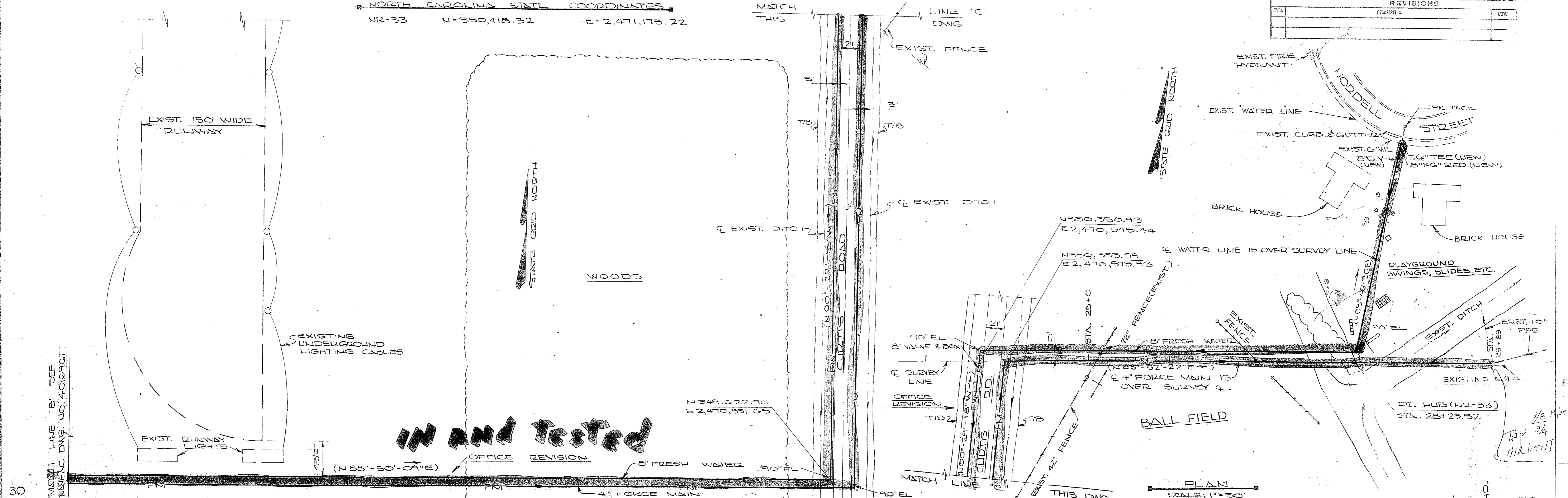
1	2	3	4	5
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10	10	10	10	10
10	10	10	10	10
10	10	10	10	10

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4/25/72

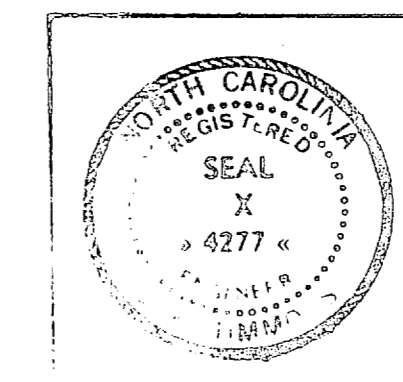
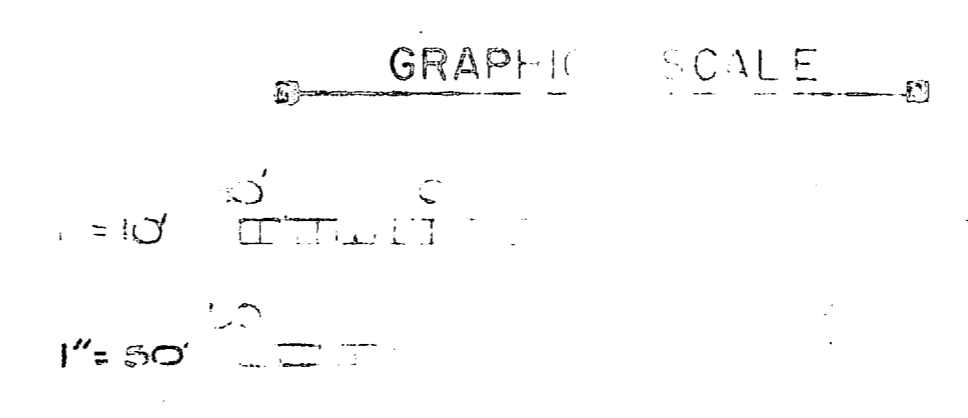
10 9 8 7 6 5 4 3 2 1

NORTH CAROLINA STATE COORDINATES
 NR-33 N=350,418.32 E=2,471,173.22

REV.	DESCRIPTION	DATE



NOTES: (1) EXIST. M.H. TO BE REBUILT SEE DETAIL NAVFAC DNG. NO. 4010889 (M.H. 'A' DETAIL)
 (2) 3.5' MIN. COVER UNLESS NOTED OTHERWISE ON PROFILE.



J. K. TIMMONS & ASSOC., INC. 134 WEST MAIN STREET RICHMOND, VIRGINIA CONSULTING ENGINEERS		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEER ATLANTIC DIVISION	
DES. M.L.E. DR. CL. / D.D. CHK. M.L.E. PROJ. MGR. M.L.E. CH. ENGR. J.M.A. SUBMITTED BY: [Signature] DATE: 9/2/74 TIME MEMBER: [Signature] PRINCIPAL		NEW RIVER MARINE CORPS AIR STATION (HELICOPTER) JACKSONVILLE, NORTH CAROLINA UTILITY EXPANSION	
APPROVED: [Signature] DATE: 9/2/74 OFFICER IN CHARGE		WATERLINE & FORCE MAIN SCALE: AS SHOWN DATE: 08-73-1115	

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20.50