

RFQ #25-050 – Ponderosa Sanitary Sewer Improvements

Response to Questions:

- Will the County all 11x17 maps as part of the submittal? If so, is there a limit on how many can be included?

The County will accept 11x17 maps sheets as part of the submittal. They should be folded down to 8.5x11 when added to the hard copy submittal document. Each map will count as one sheet toward the total allowed.

- Would it be possible to share the sign-in sheet from the Pre-Submittal Meeting?

The sign-in sheet has been attached.

- From the Pre-Submittal Meeting: What are the two concrete lids located near the gate?

These are spare lids for pump tanks located at each house. They have been stored here for years but have not been needed.

- From the Pre-Submittal Meeting: Are plans of the lagoon available?

Design drawings have been attached.

NAME	COMPANY	EMAIL
Nolan Raney	Kimley-Horn	nolan.raney@kimley-horn.com
Nate Harvey	Kimley-Horn	nate.harvey@kimley-horn.com
Brian Oschwald	Wooten	boschwald@the-wootencompany.com
Brian Johnson	"	bjohnson@the-wootencompany.com
KEVIN NASH	RK+K	KNASH@RKK.COM
Courtney Gamble	CJS	cgamble@cjsconveyance.com
Stephen Leitch	CJS	sleitch@cjsconveyance.com
Zak Purvis	Kimley-Horn	zak.purvis@kimley-horn.com
Scott Haberstroh	Freese and Nichols	scott.haberstroh@freese.com
David Malinauskas	CDM Smith	malinauskas dg@cdmsmith.com
MICHAEL SLOPP	CDM SMITH	sloppmk@cdmsmith.com
CHRIS STANLEY	MCADAMS	cstanley@mcadamsc0.com

WASTEWATER SYSTEM
CONSTRUCTION

WAKE COUNTY, N.C.

PONDEROSA AREA

PREPARED BY:

F.T. GREEN & ASSOCIATES, P.A.
CONSULTING ENGINEERS

303 NORTH GOLDSBORO STREET
WILSON, NORTH CAROLINA 27893

559 JONES FRANKLIN ROAD, SUITE 164
RALEIGH, NORTH CAROLINA 27606

99

CONSTRUCTION GRANTS SECTION
ENGINEERING MANAGEMENT UNIT

SEP 15 1989

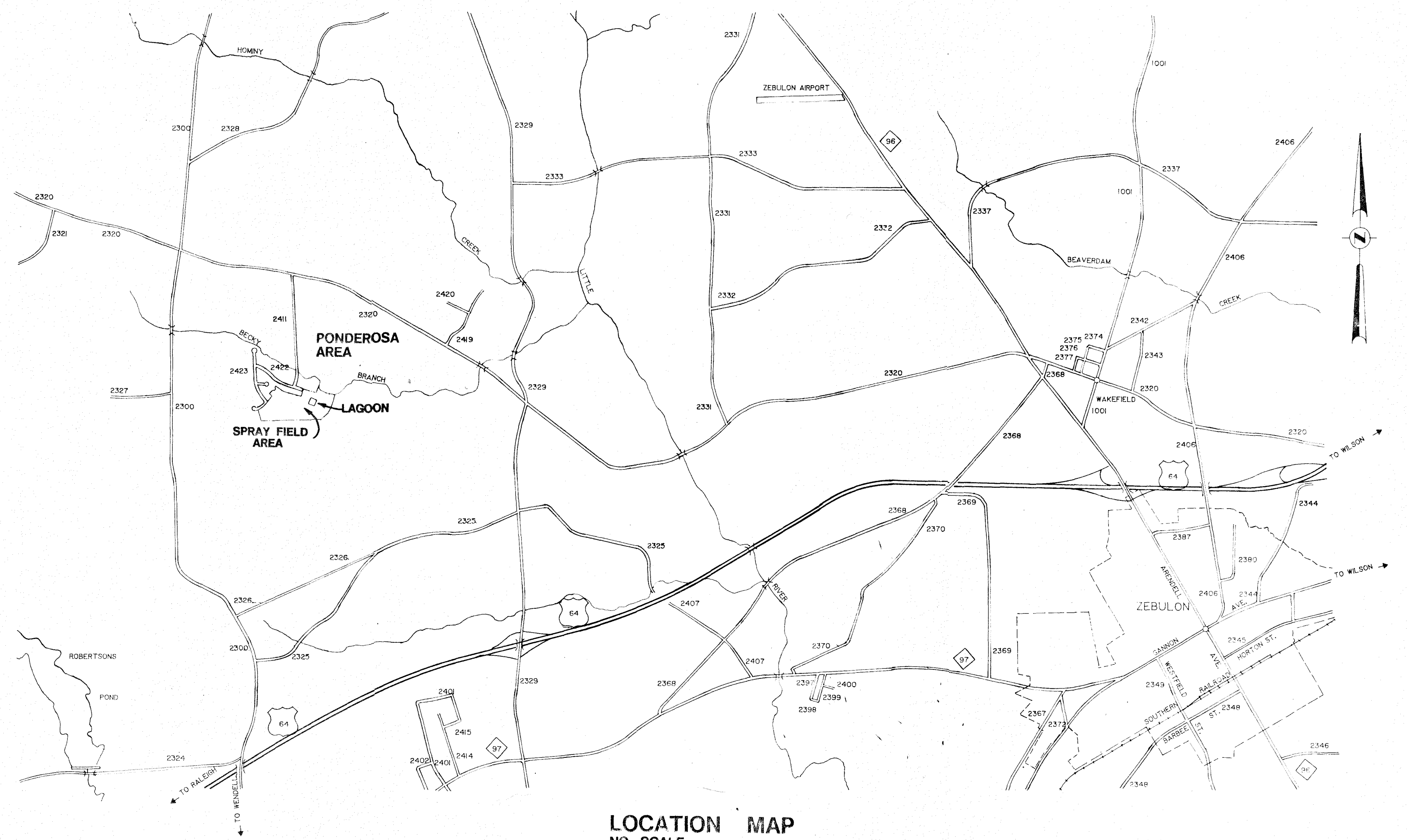
Green

APPROVED

NORTH CAROLINA ENVIRONMENTAL
COMMISSION
DIVISION OF ENVIRONMENTAL MANAGEMENT
DATE March 2, 1989
(Signature)

APPROVED

NORTH CAROLINA ENVIRONMENTAL
COMMISSION
DIVISION OF ENVIRONMENTAL MANAGEMENT
DATE MARCH 3, 1989
Permit No. WS0001203

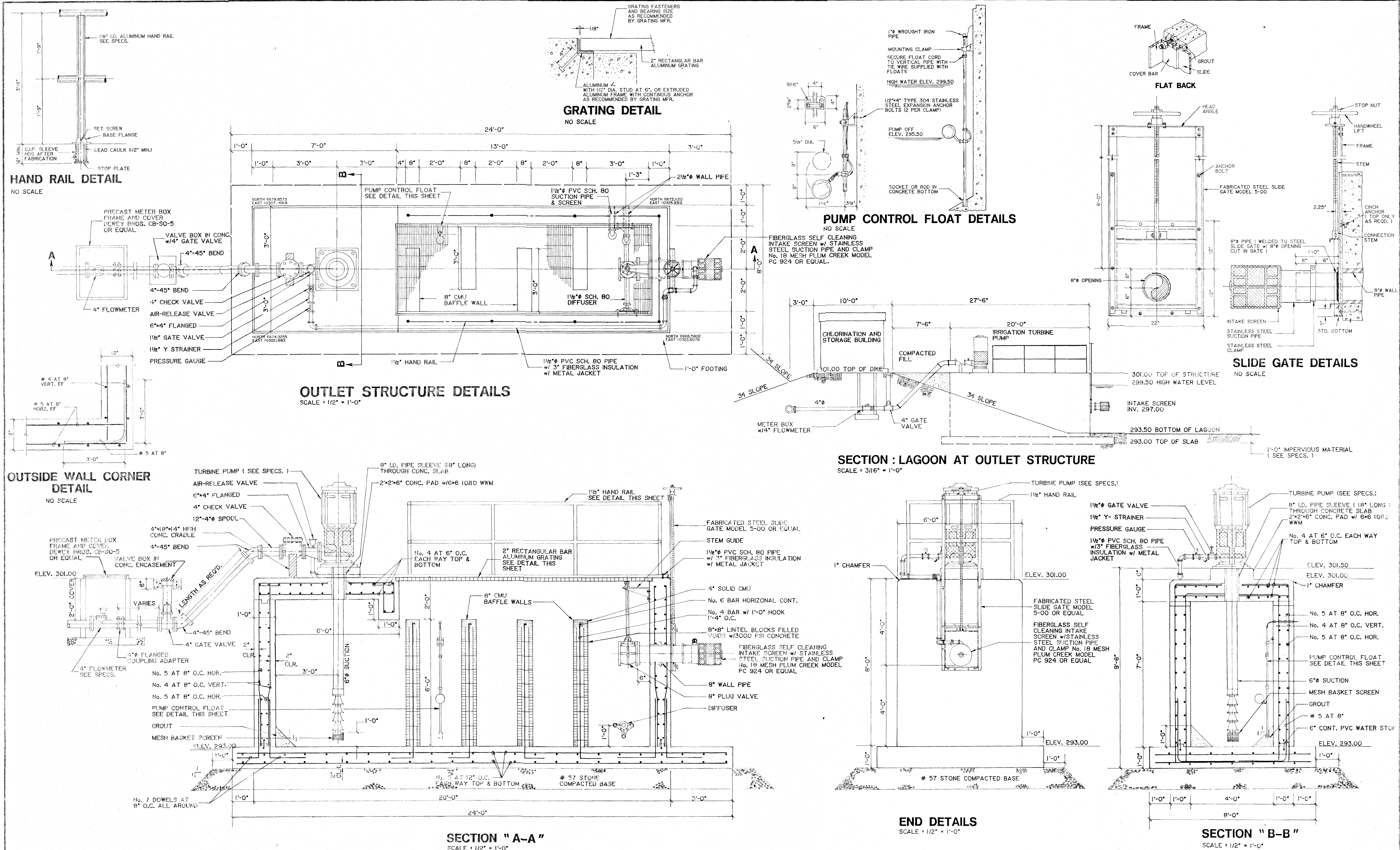


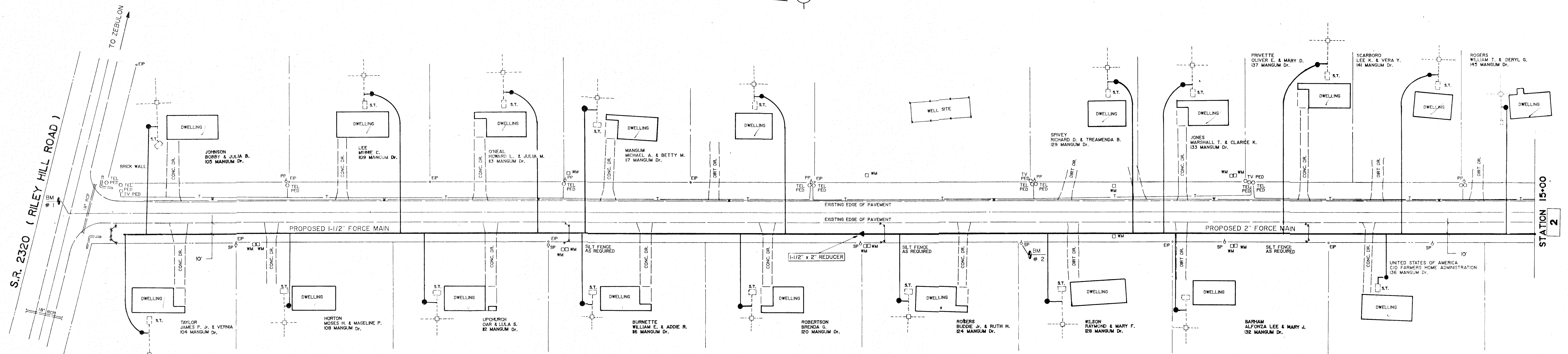
LOCATION MAP
NO SCALE

PRINTED

SEP 23 1989

F.T. GREEN & ASSOCIATES





NOTE: CONTRACTOR TO MAINTAIN A MINIMUM 30 INCH COVER OVER FORCE MAIN.

LEGEND
SEPTIC TANK S.T.
PUMP

EFFLUENT PUMP LOCATION AND PRESSURE MAIN ROUTING ACROSS PROPERTY TO BE SERVED IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED PRIOR TO INSTALLATION SO AS NOT TO INTERFERE WITH EXISTING UTILITIES, WALKS, DRIVE, AND PROPERTY LINES

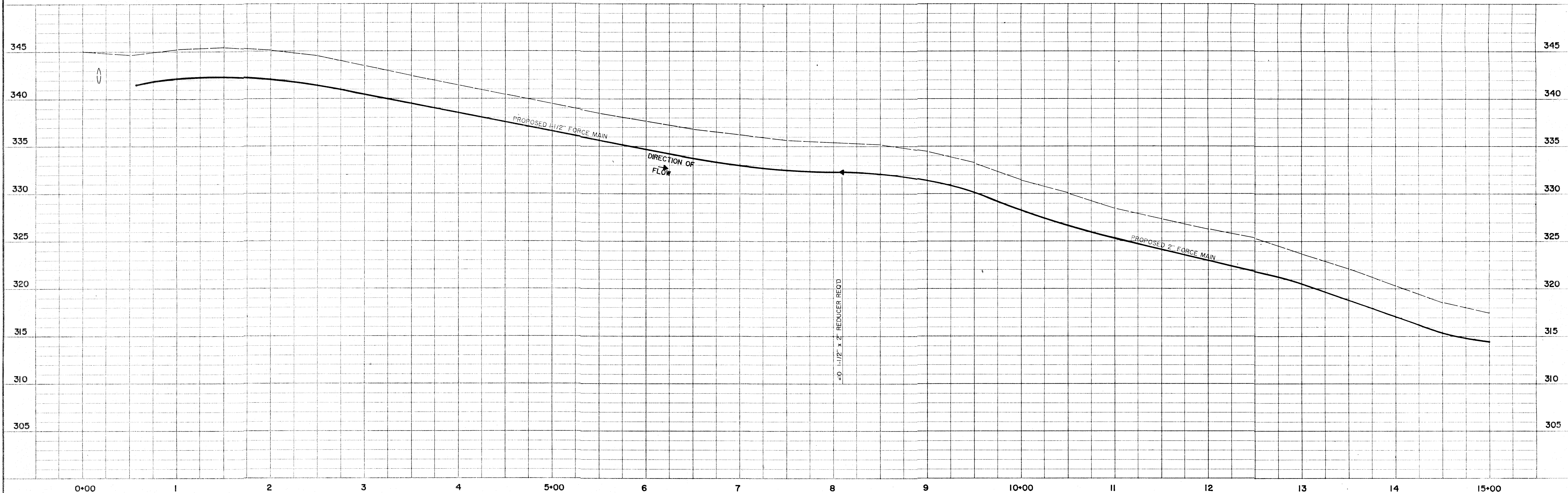
T.B.M. #1
RAILROAD SPIKE IN POWER POLE AT INTERSECTION OF RILEY HILL ROAD (S.R. 2320) AND MANGUM'S ROAD (S.R. 2411)
ELEVATION 345.41

T.B.M. #2
SPIKE IN POWER POLE AT STA. 9+13.00, 32.0' RIGHT
ELEVATION 331.20

NOTE:
FORCE MAIN LATERALS SHALL BE STAKED 48 HOURS PRIOR TO BEGINNING CONSTRUCTION.
ALL FORCE MAIN AND LATERALS TO BE BORED UNDER PAVEMENTS. NO OPEN CUTS WITHIN PAVEMENT WILL BE ALLOWED.

EROSION CONTROL NOTES
SEEDING AND MULCHING TO BE APPLIED WITHIN 30 DAYS OF ALL LAND DISTURBING ACTIVITIES NOT PREVIOUSLY STABILIZED.
SILT FENCE TO BE INSTALLED AS SHOWN OR AS DEEMED NECESSARY BY VISUAL OBSERVATION.
SILT FENCE

MANGUM'S ROAD S.R. 2411



F. T. GREEN & ASSOCIATES, P. A.
CONSULTING ENGINEERS

303 NORTH GOLDSBORO STREET
WILSON, NORTH CAROLINA 27893

559 JONES FRANKLIN ROAD, SUITE 104
RALEIGH, NORTH CAROLINA 27606

PONDEROSA
WAKE COUNTY, NORTH CAROLINA

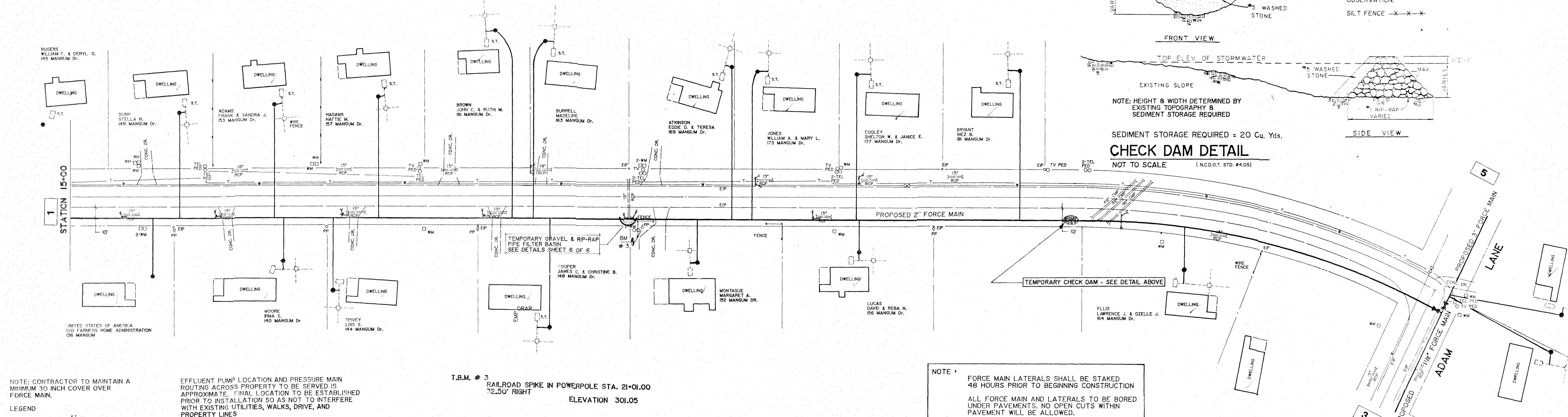
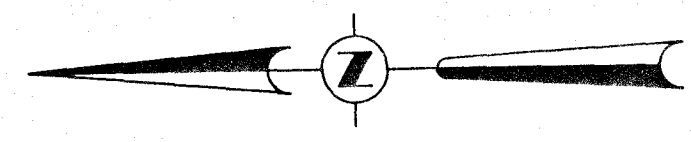
SEPTIC TANK EFFLUENT
PUMP SYSTEM

REVISION	DATE	BY	DATE	JUNE, 1988
EROSION CONTROL	8-18-88	BDS		
NOTES & BENCH MARKS	11-11-88	JP		
LOT LINES	11-28-88	ELG		
OWNER NAMES	12-15-88	BDS		
NOTES & BENCH MARK	1-31-89	ELG		

SCALE
HOR. 1" = 50'
VERT. 1" = 5'

PROJECT NO. R88-226
FIELD BOOK 391

SHEET NO. 1 OF 6



NOTE: CONTRACTOR TO MAINTAIN A MINIMUM 30 INCH COVER OVER FORCE MAIN.

LEGEND

SEPTIC TANK PUMP

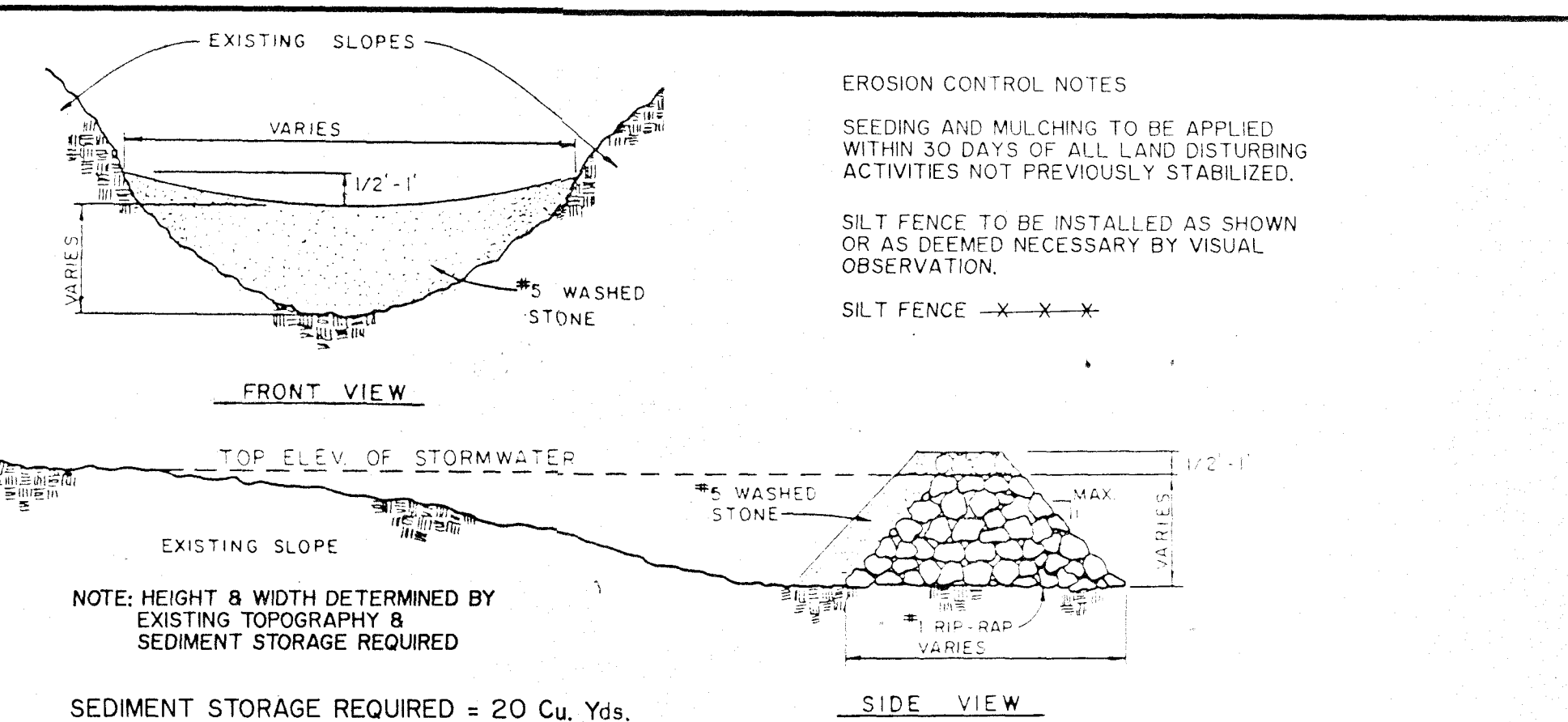
EFFLUENT PUMP LOCATION AND PRESSURE MAIN ROUTING ACROSS PROPERTY TO BE SERVED IS APPROXIMATE. FINAL LOCATION TO BE ESTABLISHED PRIOR TO INSTALLATION SO AS NOT TO INTERFERE WITH EXISTING UTILITIES, WALKS, DRIVE, AND PROPERTY LINES

T.B.M. # 3
RAILROAD SPIKE IN POWERPOLE STA. 21+01.00
72.50' RIGHT
ELEVATION 301.05

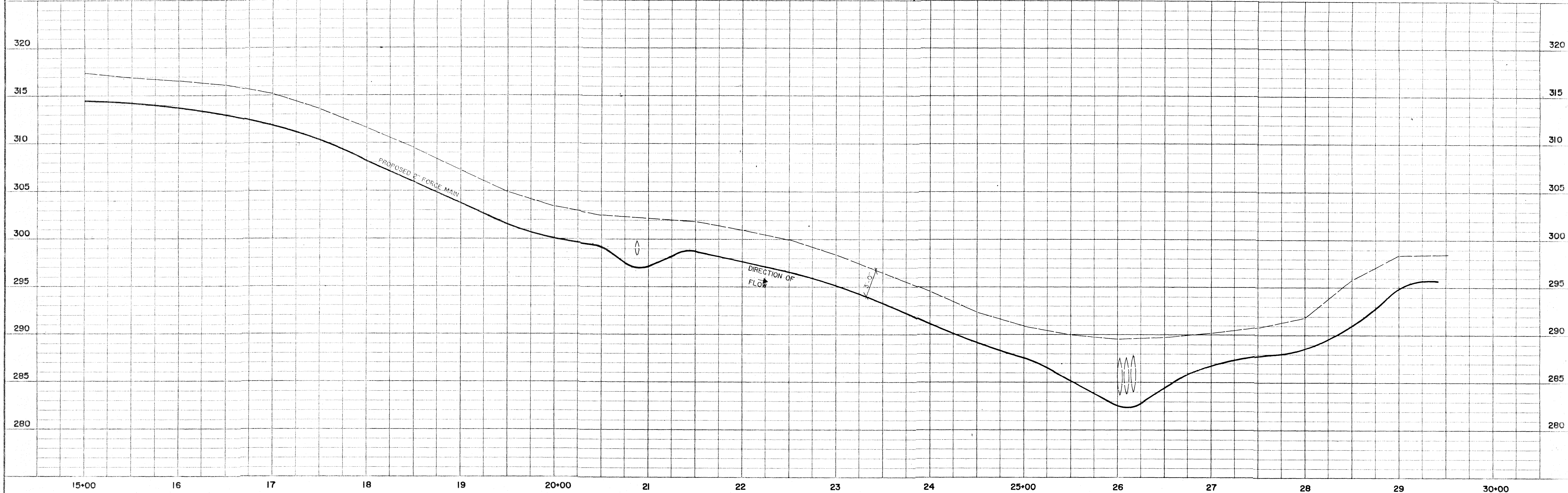
NOTE

FORCE MAIN LATERALS SHALL BE STAKED 48 HOURS PRIOR TO BEGINNING CONSTRUCTION

ALL FORCE MAIN AND LATERALS TO BE BORED UNDER PAVEMENTS. NO OPEN CUTS WITHIN PAVEMENT WILL BE ALLOWED.



MANGUM'S ROAD S.R. 2411



F. T. GREEN & ASSOCIATES, P. A.
CONSULTING ENGINEERS

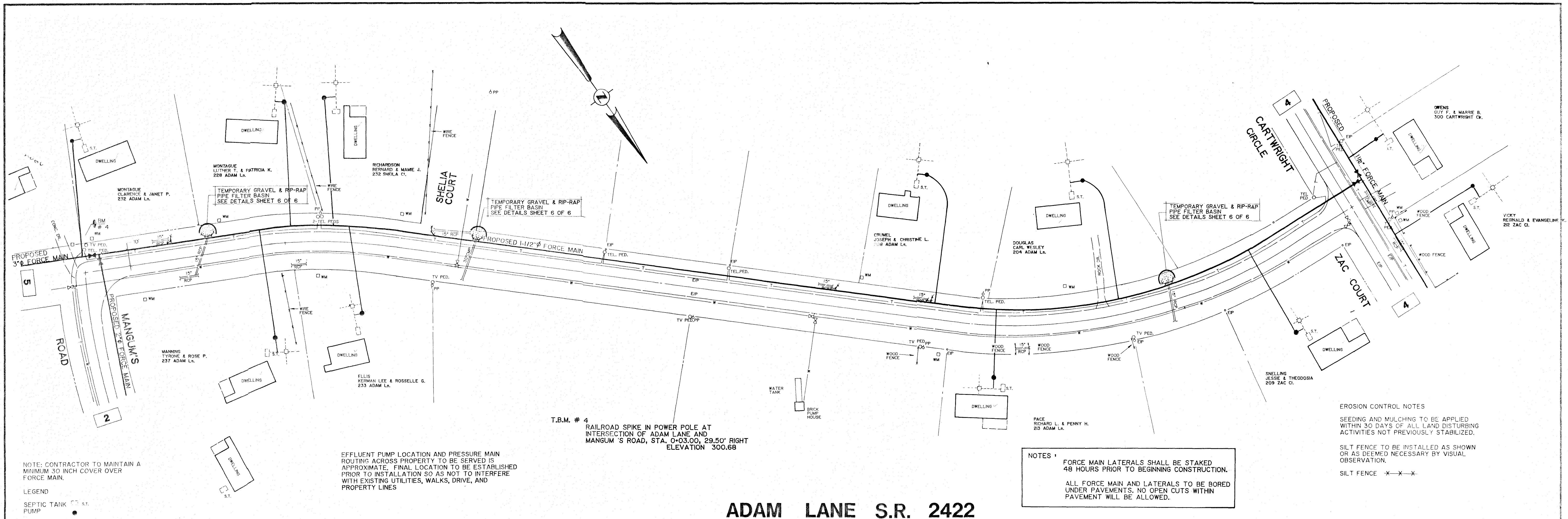
303 NORTH GOLDSBORO STREET
WILSON, NORTH CAROLINA 27893

559 JONES FRANKLIN ROAD, SUITE 164
RALEIGH, NORTH CAROLINA 27606

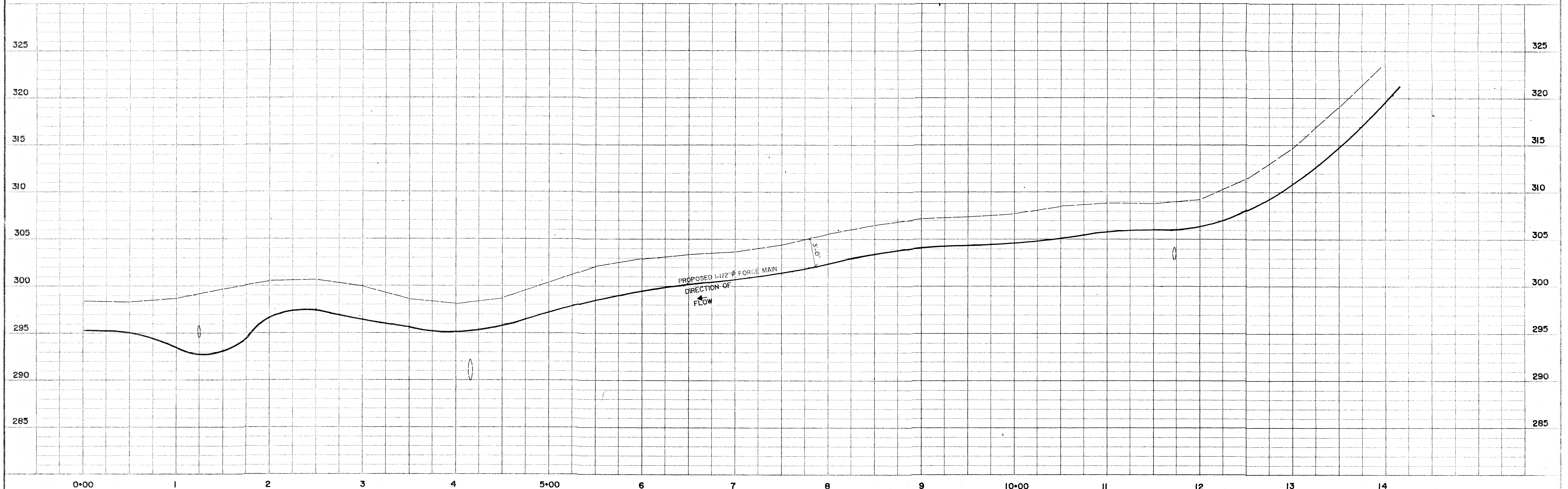
PONDEROSA
WAKE COUNTY, NORTH CAROLINA

SEPTIC TANK EFFLUENT
PUMP SYSTEM

REVISION	DATE	BY	DATE	JUNE	PROJECT NO.
EROSION CONTROL	8-18-88	BDS	SCALE		R88-226
NOTES & BENCH MARKS	11-11-88	JP	HOR. 1" = 50'		FIELD BOOK 391
LOT LINES	11-28-88	ELG	VERT. 1" = 5'		
OWNER NAMES	12/15/88	BDS			
NOTES	1-31-89	ELG			
EROSION CONTROL	2-28-89	RLS			
SHEET NO.				2	OF 6



ADAM LANE S.R. 2422



F. T. GREEN & ASSOCIATES, P. A.
CONSULTING ENGINEERS

303 NORTH GOLDSBORO STREET
WILSON, NORTH CAROLINA 27803

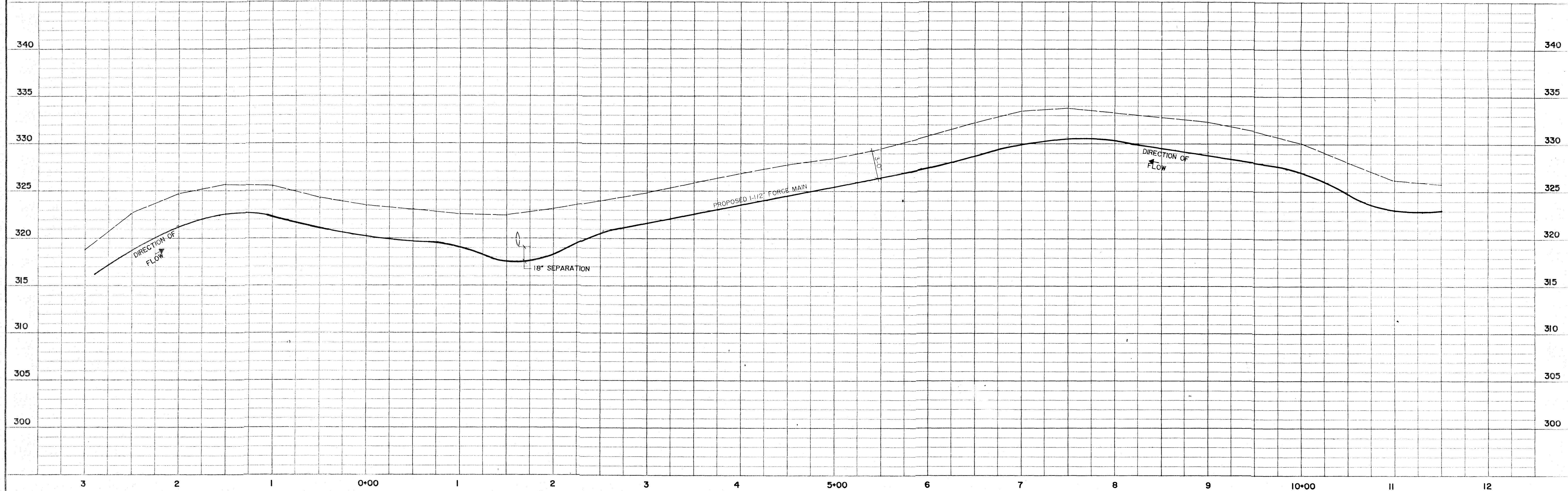
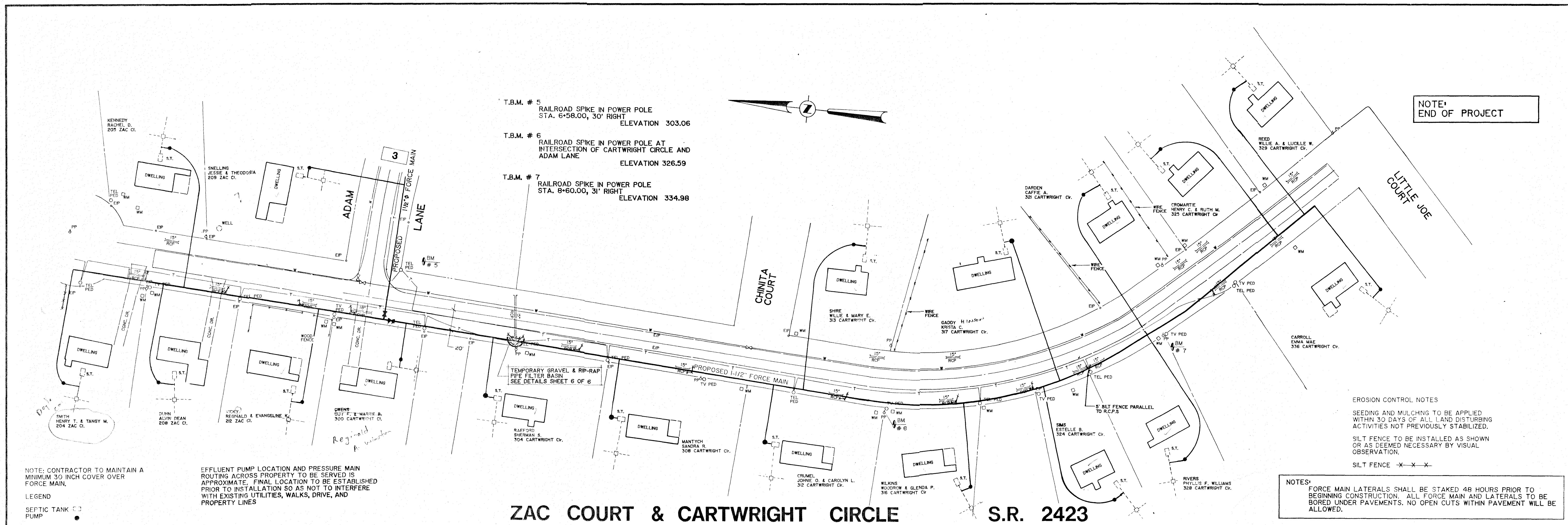
559 JONES FRANKLIN ROAD, SUITE 104
RALEIGH, NORTH CAROLINA 27606

PONDEROSA
WAKE COUNTY, NORTH CAROLINA

SEPTIC TANK EFFLUENT
PUMP SYSTEM

REVISION	DATE	BY	DATE	SCALE	PROJECT NO.
EROSION CONTROL	8-18-88	BDS	JUNE, 1988	HOR. 1" = 50'	R88-226
NOTES & BENCH MARKS	11-11-88	JP		VERT. 1" = 5'	FIELD BOOK 391
LOT LINES	11-28-88	ELG			
OWNER NAMES	12-15-88	BDS			
NOTES	1-31-89	ELG			
EROSION CONTROL	2-26-89	RLS			

SHEET NO. **3** OF **6**



SPRINKLER HEADS

	NORTH	EAST
1-1 P	6672.8901	10538.1401
1-2 P	6613.0253	10543.1680
1-3 P	6553.1608	10546.1960
1-4 P	6549.1328	10486.3313
1-5	6557.1987	10506.0506
1-6	6517.0534	10506.0327
1-7	6575.9180	10588.0047
1-8	6580.9450	10557.8694
1-9	6621.0813	10661.8973
1-10	6563.2167	10665.9553
1-11	6625.1033	10721.7620
1-12	6684.9739	10717.7340
1-13	6689.0019	10777.5987
2-1 P	6688.6776	10206.2625
2-2 P	6608.6851	10204.8104
2-3	6510.1373	10144.8280
2-4 P	6548.7027	10203.3583
2-5	6550.1548	10143.3758
2-6	6551.6070	10083.3934
2-7	6553.0592	10023.4110
2-8	6493.0767	10021.9588
2-9	6491.6246	10081.8413
2-10	6490.1726	10141.9537
2-11	6498.7203	10201.9061
2-12 P	6487.2681	10261.8885
2-13 P	6485.8160	10321.8710
3-1	6554.5113	9963.4286
3-2	6494.5289	9961.9764
3-3	6495.9810	9901.9940
3-4	6555.9834	9903.4461
3-5	6557.4156	9943.4537
3-6	6497.4332	9842.0115
3-7	6438.9029	9780.5770
3-8	6438.8853	9782.0291
3-9	6558.8677	9793.4813
3-10	6560.3199	9723.4989
3-11	6500.3375	9722.0467
3-12	6440.3550	9720.5946
3-13	6441.8072	9660.6121
3-14	6501.7896	9662.0643
4-1	6561.7720	9663.5164
4-2	6443.2593	9600.6297
4-3	6503.2418	9602.0819
4-4	6503.2242	9603.5340
4-5	6023.2056	9604.9862
4-6	6624.6587	9545.0037
4-7	6564.6763	9543.5515
4-8	6504.6030	9542.0994
4-9	6444.7115	9540.6473
4-10	6446.1636	9480.6649
4-11	6505.1460	9482.1170
4-12	6556.1285	9483.5692
4-13	6626.1109	9485.0213
5-1	6627.5630	9425.0389
5-2	6567.5805	9423.5867
5-3	6507.5982	9422.1346
5-4	6447.6158	9420.6824
5-5	6449.0679	9360.7000
5-6	6509.0503	9362.1522
5-7	6569.0328	9363.6043
5-8	6629.0152	9365.0565
5-9	6570.4849	9303.6219
5-10	6510.5025	9302.1697
5-11	6450.5201	9300.7176
5-12	6451.9722	9240.7352
5-13	6511.9546	9242.1873

P DENOTES PART CIRCLE SPRINKLER

LAGOON

	NORTH	EAST
①	6684.7796	10334.5062
②	6640.5932	10439.7008
③	6555.3987	10395.5143
④	6579.5851	10290.3197

OUTLET STRUCTURE

	NORTH	EAST
⑤	6672.1120	10325.9312
⑥	6666.5802	10323.6076
⑦	6674.1726	10305.1688
⑧	6679.8573	10307.4919

CHLORINATION BLDG.

	NORTH	EAST
⑨	6642.3638	10303.5279
⑩	6694.6924	10297.9941
⑪	6702.0581	10301.2942
⑫	6699.7445	10306.6260

STONE CHECK DAM
SEDIMENT STORAGE
10 CY MIN.
SEE DETAILS SHEET
2 OF 6

ADAM LN.

ENERGY DISSIPATOR PAD
L = 6.0'
W = 4.5'
D = 1.0'
USE CLASS "A" STONE

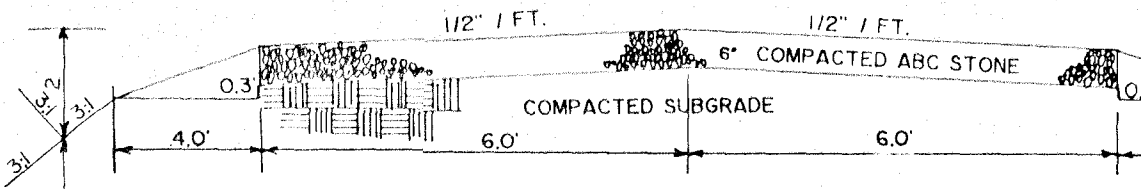
ENERGY DISSIPATOR PAD
L = 6.0'
W = 4.5'
D = 1.0'
USE CLASS "A" STONE

TEMPORARY GRAVEL & RP-RAP
FILTER BASIN
L = 15'
W = 15' (SEE DETAILS
SHEET 6 OF 6)
D = 4'
TEMPORARY DIVERSION DITCH (TD)

1BM = RR SPIKE IN PP @ INT.
OF ADAM LN. & MANGUM DR.
ELEV. = 300.68

48" - 18" RCP
W/FES
INV. (IN) 296.0
INV. (OUT) 294.5

30" - 18" RCP W/FES
INV. (IN) 297.00
INV. (OUT) 296.50



ROAD CROSS - SECTION DETAIL

NO SCALE

TREATMENT LAGOON

CHLORINATION HOUSE &
OUTLET STRUCTURE
(FOR LOCATION SEE
DETAIL "A" THIS SHEET
& SHEET D-1 OF 2
& SHEET D-2 OF 2)

HOG WIRE FENCE DETAIL

NO SCALE

SPRAY PATTERN DETAIL

SCALE 1" = 50'

DETAIL "A"

SCALE 1" = 10'

LEGEND

- SILT FENCE
- 2" LATERAL
- 4" MAIN/LATERAL
- 4" ZONE VALVE
- SPRINKLER
- FENCE (HOG WIRE)
- FENCE (CHAIN LINK)
- CLEARING LIMIT
- MONITORING WELL (SEE DETAIL SHEET D-2 OF 2)

NOTE: MONITORING WELLS TO BE
SAMPLED AND SENT TO D.E.M. PRIOR
TO BEGINNING WASTE DISPOSAL
OPERATIONS.

F. T. GREEN & ASSOCIATES, P. A.
CONSULTING ENGINEERS

303 NORTH GOLDSBORO STREET
WILSON, NORTH CAROLINA 27893

559 JONES FRANKLIN ROAD, SUITE 104
RALEIGH, NORTH CAROLINA 27806

PONDEROSA
WAKE COUNTY, NORTH CAROLINA

SITE PLAN

REVISION	DATE	BY	DATE	JUNE, 1988	PROJECT NO. R88-226
EROSION CONTROL	8-18-88	BDS	SCALE	1" = 50'	FIELD BOOK 391
CLEARING LIMITS & NOTES	10-28-88	ELB	HOR.	1" = 5'	
GRAVEL BASIN/DIV. DITCH	11-30-88	ELB	VERT.	1" = 5'	
EROSION CONTROL	2-08-89	ELB			
SHEET NO. 5 OF 6					

TYPE B - PIPE OUTLET TO WELL - DEFINED CHANNEL

NOTE:

- (1) $d = 1.5$ times the maximum stone diameter but not less than 6 inches.
- (2) $dt = 1'$ above maximum 'tailwater' or top of channel bank (whichever is less).
- (3) $L =$ Length of riprap apron

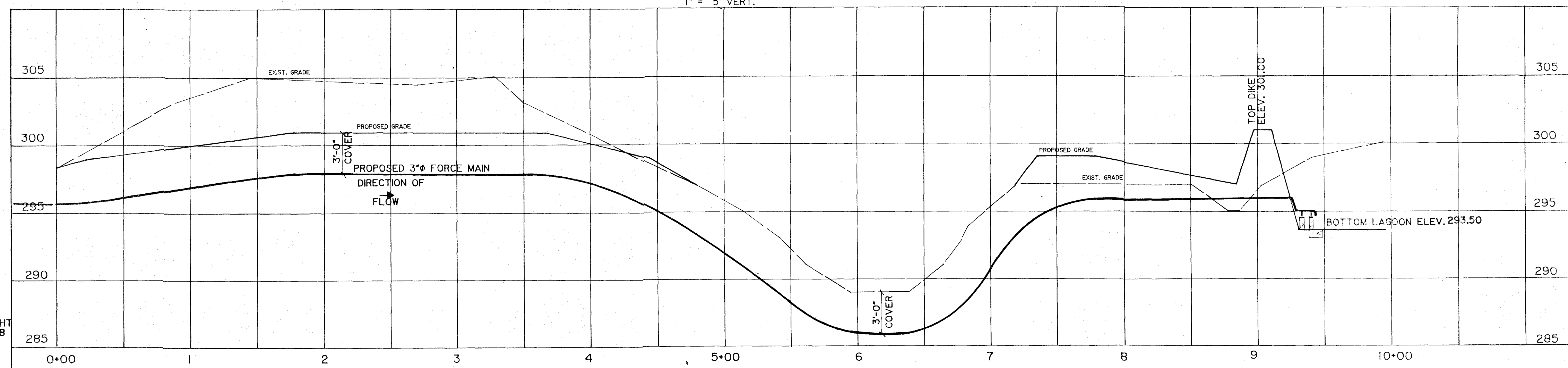
SEE APPROPRIATE SCHEDULE
FOR DIMENSIONS

do = pipe diameter
La = apron length
W = apron width = 3x pipe dia. min.

[illegible]

SCALE: 1" = 200'

SCALE : 1" = 50' HOR.
1" = 5' VERT.



T.B.M. # 4
RAILROAD SPIKE IN POWERPOLE AT
INTERSECTION OF ADAM LANE AND
MANGUM ROAD, STA. 0+03.00, 29.50 RIGHT
ELEVATION 300.68

559 JONES FRANKLIN ROAD, SUITE 164
RALEIGH, NORTH CAROLINA 27608

LOCATION MAP

REVISION	DATE	BY	DATE NOVEMBER, 1988	
PROFILE & NOTES	11-28-88	ELG	SCALE	PROJECT NO.
NOTES & SCALE	1-31-89	ELG	AS NOTED	R 88-- 226
EROSION CONTROL	2-28-89	RLS	HOR. _____ VERT. _____	FIELD BOOK N/A
			SHEET NO. 6 OF 6	

CONDUIT & CABLE SCHEDULE CHLORINATION HOUSE / OUTLET STRUCTURE

- SERVICE RISER w/WEATHERTIGHT SERVICE HEAD
3# 1/0 CU. THHN/THWN UNGROUNDED CONDUCTORS
1# 1/0 CU. THHN/THWN NEUTRAL CONDUCTOR
2" RIGID GALVANIZED CONDUIT
- 2# 1/0 CU. THHN/THWN UNGROUNDED CONDUCTORS
1# 1/0 CU. THHN/THWN NEUTRAL CONDUCTOR
2" RIGID GALVANIZED CONDUIT
- 1# 6 CU. THHN/THWN GROUNDED ELECTRODE CONDUCTOR
1" RIGID GALVANIZED CONDUIT (USE PVC COATED RIGID CONDUIT UNDERGROUND)
- 2# 12 CU. THHN/THWN UNGROUNDED CONDUCTORS
1# 12 CU. THHN/THWN GROUNDED CONDUCTOR
1/2" RIGID GALVANIZED CONDUIT, PROVIDE WEATHERTIGHT SERVICE HEAD
- 1# 12 CU. THHN/THWN UNGROUNDED CONDUCTOR
1# 12 CU. THHN/THWN GROUNDED CONDUCTOR
1/2" RIGID GALVANIZED CONDUIT, (USE PVC COATED RIGID CONDUIT UNDERGROUND)
- 1# 10 CU. THHN/THWN UNGROUNDED CONDUCTOR
1# 10 CU. THHN/THWN NEUTRAL CONDUCTOR
1# 10 CU. THHN/THWN GROUNDED CONDUCTOR
1/2" RIGID GALVANIZED CONDUIT, (USE PVC COATED RIGID CONDUIT UNDERGROUND)
- 2# 12 CU. THHN/THWN UNGROUNDED CONDUCTORS
1# 12 CU. THHN/THWN GROUNDED CONDUCTOR
1/2" RIGID GALVANIZED CONDUIT
- 3# 1CU. THHN/THWN UNGROUNDED CONDUCTORS
1# 6 CU. THHN/THWN GROUNDED CONDUCTOR
2" RIGID GALVANIZED CONDUIT, (USE PVC COATED RIGID CONDUIT UNDERGROUND)
- LIQUID LEVEL FLOAT CONTROL CABLE (1 REQUIRED EACH 3# 14 AWG FINE STRANDED CONDUCTORS FOR HEAVY FLEXING UNDERWATER CONTROL CABLE SHALL BE CONTINUOUS FROM THE LIQUID LEVEL FLOAT TO THE PUMP CONTROL PANEL, PROVIDE EXTRA LONG CABLE IF NECESSARY.
1/2" RIGID GALVANIZED CONDUIT (USE PVC COATED RIGID CONDUIT UNDERGROUND)
- 1# 10 CU. THHN/THWN UNGROUNDED CONDUCTOR
1# 10 CU. THHN/THWN NEUTRAL CONDUCTOR
1# 10 CU. THHN/THWN GROUNDED CONDUCTOR
1/2" FLEXIBLE LIQUIDTIGHT CONDUIT, USE TRANSITION FITTING @ MOTOR
- 3# 1 CU. THHN/THWN UNGROUNDED CONDUCTORS
1# 6 CU. THHN/THWN GROUNDED CONDUCTOR
2" FLEXIBLE LIQUIDTIGHT CONDUIT, USE TRANSITION FITTING @ MOTOR

CONDUIT & CABLE SCHEDULE (200 AMPERE)

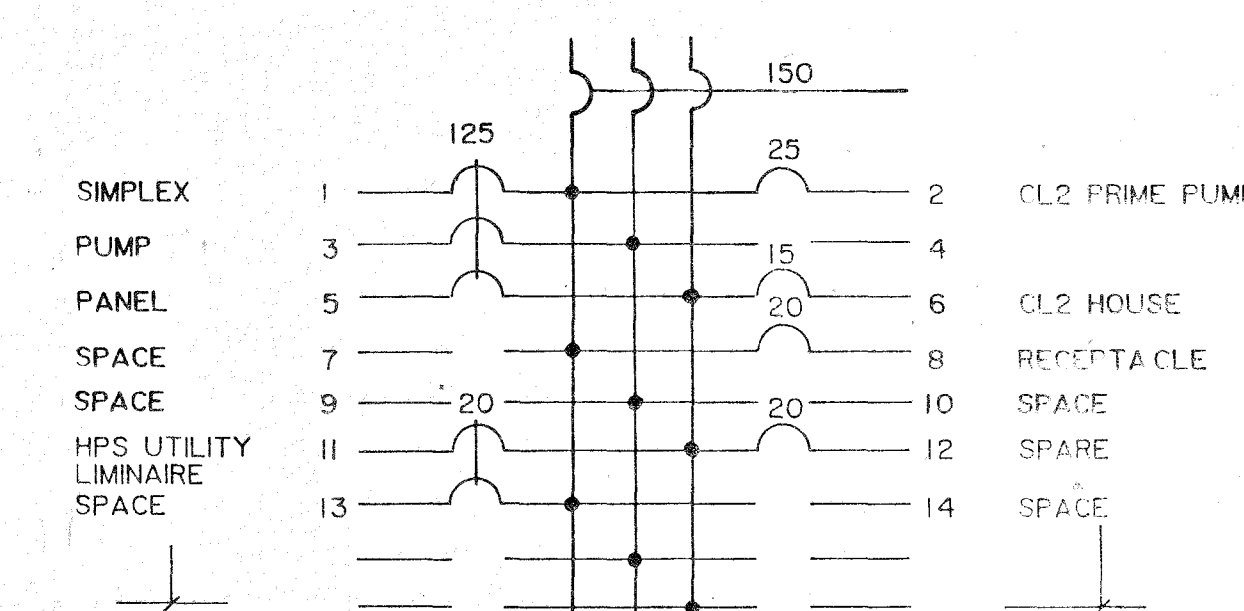
- 12/2 WITH GROUND NONMETALLIC SHEATHED CABLE
ROUTE INSIDE EXISTING WALLS & INTO LOADCENTER
- 12/2 WITH GROUND NONMETALLIC SHEATHED CABLE
ROUTE IN UNDERFLOOR SPACE, STAPLE SECURELY
- 12/2 WITH GROUND NONMETALLIC SHEATHED CABLE
ROUTE IN 3/4" SCHEDULE 40 PVC CONDUIT THROUGH FOUNDATION & UP INTO SIMPLEX PUMP CONTROL PANEL, USE PVC CONDUIT LB FITTING
- 9# 14 CU. THHN/THWN UNGROUNDED LIQUID LEVEL CONTROL CONDUCTORS (3 EACH FOR PUMP - OFF, PUMP - ON & HIGH WATER ALARM)
1# 12 CU. THHN/THWN UNGROUNDED CONDUCTOR
1# 12 CU. THHN/THWN NEUTRAL CONDUCTOR
1# 12 CU. THHN/THWN GROUNDED CONDUCTOR
1/2" SCHEDULE 40 PVC CONDUIT
- LIQUID LEVEL FLOAT CONTROL CABLES (3 REQUIRED, PUMP - OFF, PUMP - ON & HIGH WATER ALARM) EACH 3# 14 AWG FINE STRANDED CU. CONDUCTORS FOR HEAVY FLEXING UNDERWATER
- PUMP POWER CABLE 12/2 WITH GROUND (ONE CABLE REQUIRED) (3# 12 CONDUCTORS)

TAPPING NOTE

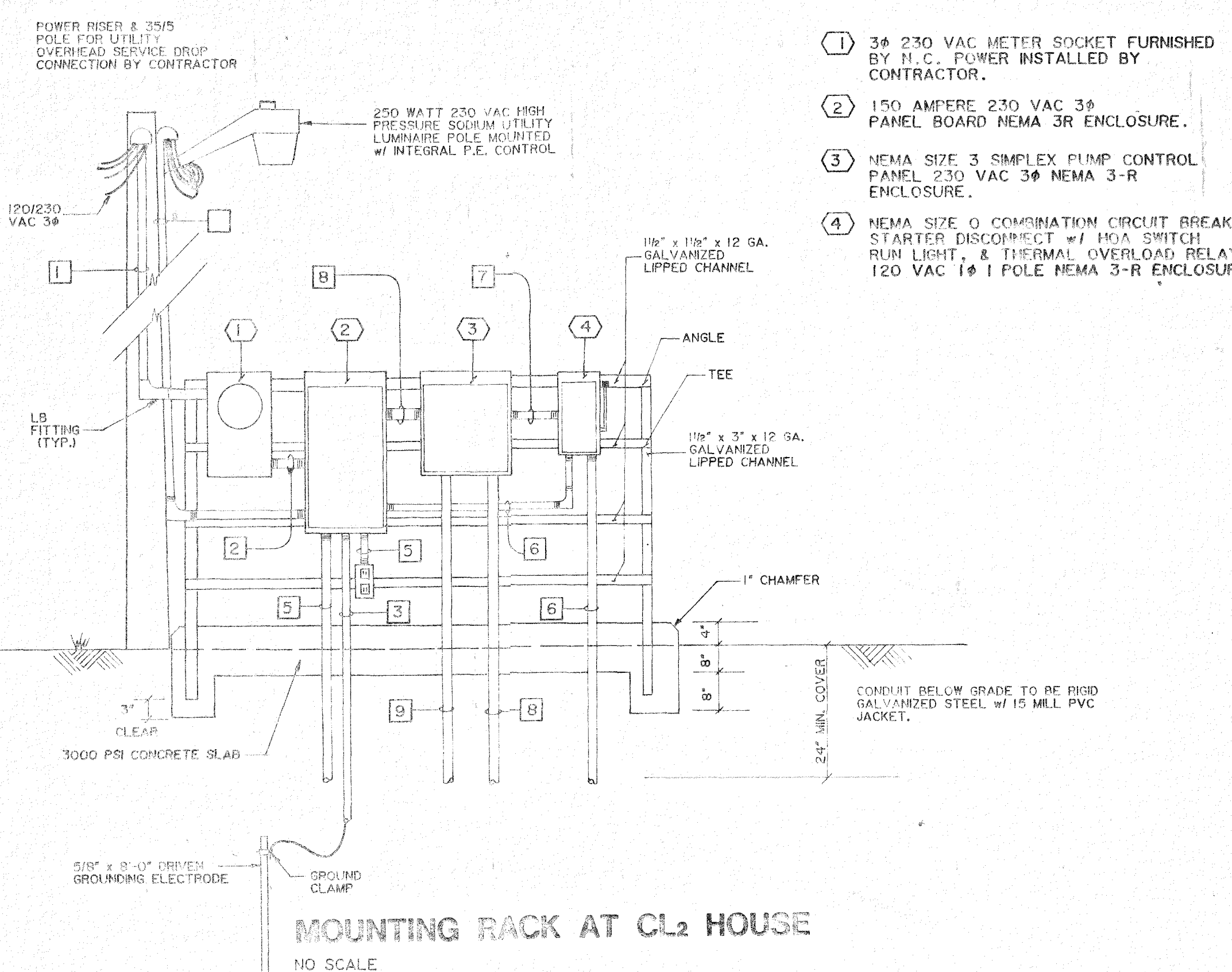
TAP ABOVE MAIN IN LOADCENTER. INSTALL DUAL RATED PARALLEL TAP CONNECTOR FOR UNGROUNDED CONDUCTOR TAP PROVIDE MAIN SECTION RATED FOR #2-#12 AWG STRANDED W/ TAP RATED FOR #4-#14 AWG CU. PROVIDE W/ MOLDED INSULATING COVER w/ 90°C RATING FOR 600 VAC. USE LLSGO 6TA-2-1 PARALLEL TAP CONNECTOR AND GTC-2 INSULATING COVER OR APPROVED EQUAL.

PANEL "A"

150 AMPERE MAIN CIRCUIT BREAKER 120/230 VOLTS, 3# 4 WIRE DELTA, 60 HZ, BOLT-ON BREAKERS, FACTORY ASSEMBLED, NEUTRAL & GROUNDING BUSES, NEMA 3-R SURFACE MOUNTED.

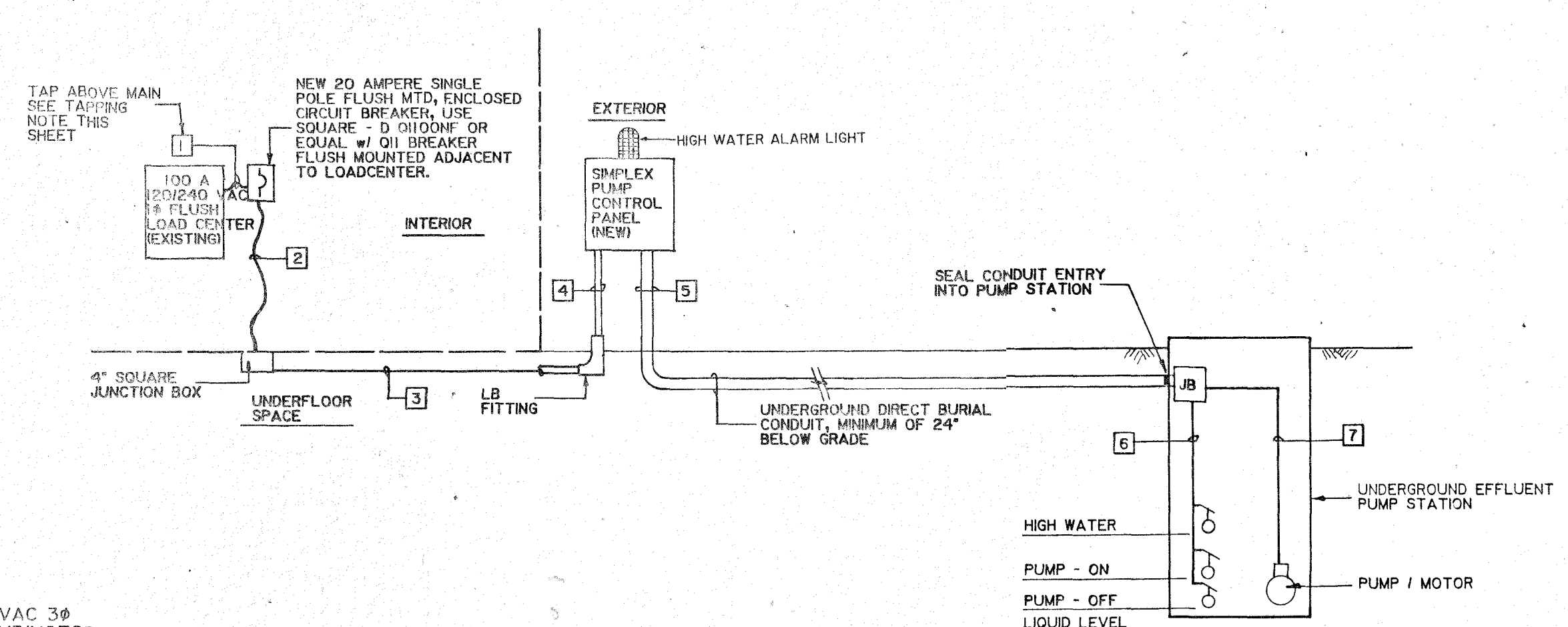


NOTE:
PHASE ARRANGEMENT IN PANELS AND TAPS SHALL BE ABC LEFT TO RIGHT. THE B PHASE SHALL BE THE PHASE HAVING HIGHER VOLTAGE TO GROUND AND SHALL BE LABELED AS SUCH.
WARNING:
DO NOT CONNECT UNGROUNDED CONDUCTOR TO PHASE HAVING HIGHER VOLTAGE TO GROUND.



200 AMPERE LOADCENTER & PUMP STATION INSTALLATION - ELECTRICAL (TYPICAL)

NO SCALE



100 AMPERE LOADCENTER & PUMP STATION INSTALLATION - ELECTRICAL (TYPICAL)

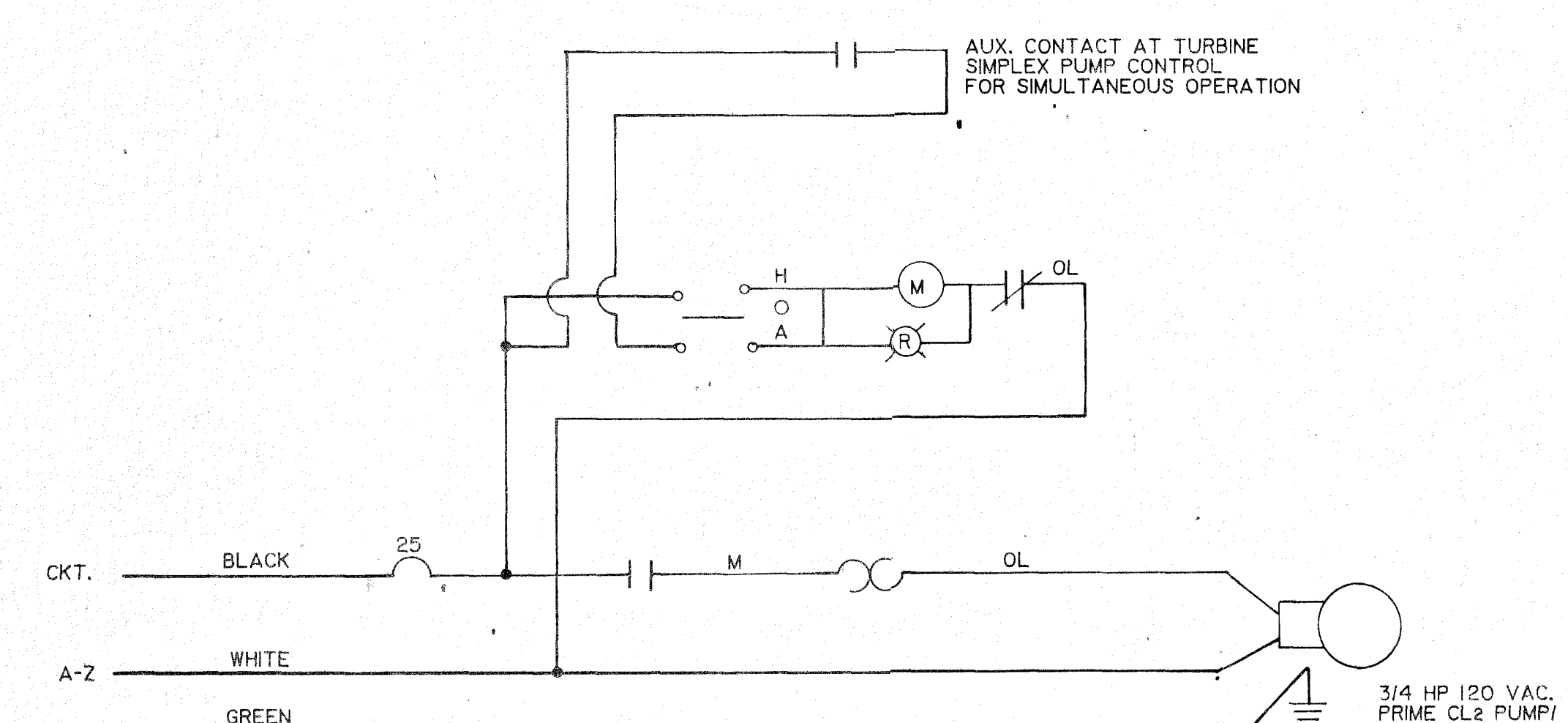
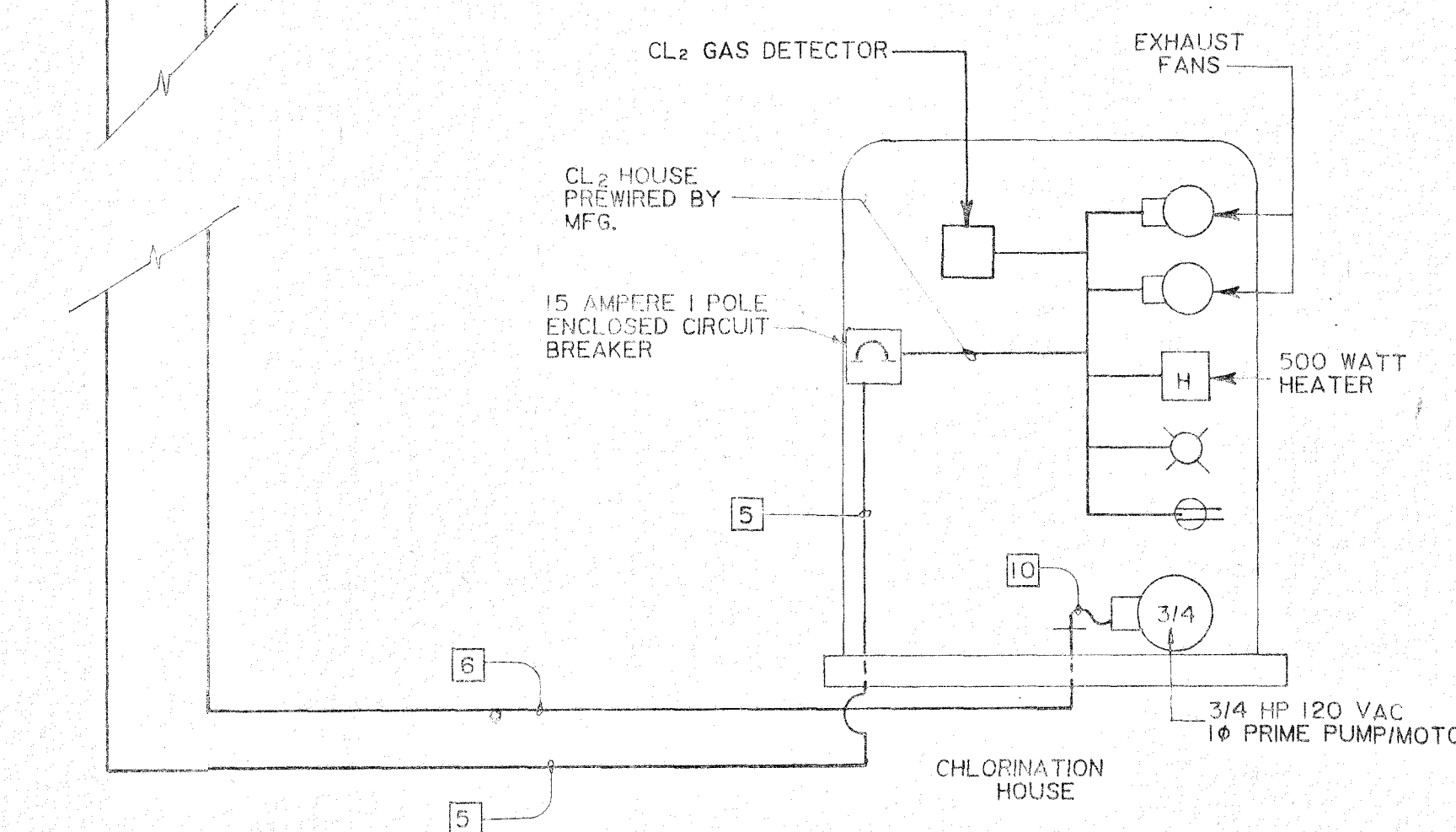
NO SCALE

CONDUIT & CABLE SCHEDULE (100 AMPERE)

- 12/2 WITH GROUND NONMETALLIC SHEATHED CABLE
ROUTE WITHIN WALL & TAP ABOVE MAIN IN LOADCENTER
- 12/2 WITH GROUND NONMETALLIC SHEATHED CABLE
ROUTE INSIDE EXISTING WALL & INTO NEW FLUSH ENCLOSED CIRCUIT BREAKER
- 12/2 WITH GROUND NONMETALLIC SHEATHED CABLE
ROUTE IN UNDERFLOOR SPACE, STAPLE SECURELY
- 12/2 WITH GROUND NONMETALLIC SHEATHED CABLE
ROUTE IN 3/4" SCHEDULE 40 PVC CONDUIT THROUGH FOUNDATION & UP INTO SIMPLEX PUMP CONTROL PANEL, USE PVC CONDUIT LB FITTING
- 9# 14 CU. THHN/THWN UNGROUNDED LIQUID LEVEL CONTROL CONDUCTORS (3 EACH FOR PUMP - OFF, PUMP - ON & HIGH WATER ALARM)
1# 12 CU. THHN/THWN UNGROUNDED CONDUCTOR
1# 12 CU. THHN/THWN NEUTRAL CONDUCTOR
1# 12 CU. THHN/THWN GROUNDED CONDUCTOR
1/2" SCHEDULE 40 PVC CONDUIT
- LIQUID LEVEL CONTROL CABLES (3 REQUIRED, PUMP - OFF, PUMP - ON & HIGH WATER ALARM) EACH 3# 14 AWG FINE STRANDED CU. CONDUCTORS FOR HEAVY FLEXING UNDERWATER
- PUMP POWER CABLE 12/2 WITH GROUND (ONE CABLE REQUIRED) (3# 12 CONDUCTORS)

ONE LINE DIAGRAM CHLORINATION / OUTLET STRUCTURE

NO SCALE



ELEMENTARY WIRING SCHEMATIC CL2 PRIME PUMP COMBINATION STARTER / DISCONNECT

NO SCALE

F. T. GREEN & ASSOCIATES, P. A.
CONSULTING ENGINEERS

303 NORTH GOLDSBORO STREET
WILSON, NORTH CAROLINA 27893

550 JONES FRANKLIN ROAD, SUITE 104
DALEIGH, NORTH CAROLINA 27603

PONDEROSA
WAKE COUNTY, NORTH CAROLINA

ELECTRICAL
DETAILS & DATA

REVISION	DATE	BY	DATE JUNE, 1988	PROJECT NO.
PUMP STATION ELECTRICAL	12-14-88	EP		R 88 - 228
NOTES	4-4-89	RLS	HOR. AS NOTED	FIELD BOOK N/A
			VERT.	
SHEET NO. E-1 OF 1				