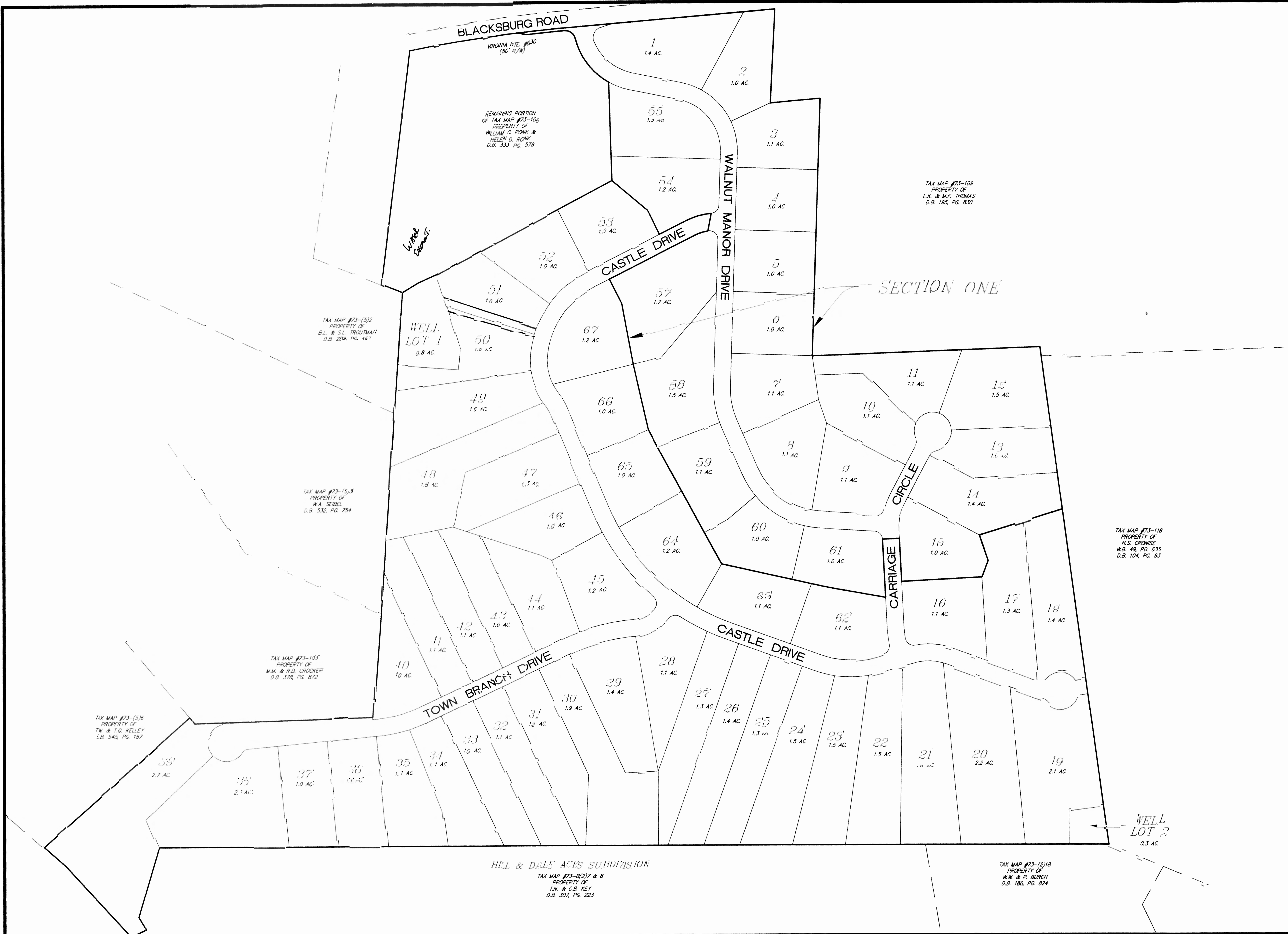






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OVERVIEW
MAP

SECTION No. 1
"WALNUT MANOR"
PREPARED FOR
D & S DEVELOPERS, LLC
AMSTERDAM MARSHFIELL DISTRICT
BOTETOURT COUN. TY, VIRG. VA

REVISIONS		DESCRIPTION	
NO.	DATE		
1			
2			
3			
4			
5			

DATE: 12 JULY 2001
SCALE: 1" = 120'
COMMISSION NO: 00-234
CADD FILE: P:\000000334\ENGR\334MOV01.DWG
SHEET 1 OF 1

BLACKSBURG ROAD
150' R/W

WALNUT MANOR DRIVE
150' R/W

CASTLE DRIVE
150' R/W

WALNUT MANOR DRIVE
150' R/W

TAX MAP #73-109
PROPERTY OF
L.K. & M.F. THOMAS
D.B. 195, PG. 830

TAX MAP #73-109
PROPERTY OF
L.K. & M.F. THOMAS
D.B. 92, PG. 10

TAX MAP #73-109
PROPERTY OF
L.K. & M.F. THOMAS
D.B. 92, PG. 10

REMAINING PORTION
OF TAX MAP #73-106
PROPERTY OF
WILLIAM C. ROKK &
HELEN D. ROKK
D.B. 333, PG. 578

FUTURE SECTION
OF WALNUT MANOR

FUTURE SECTION OF WALNUT MANOR

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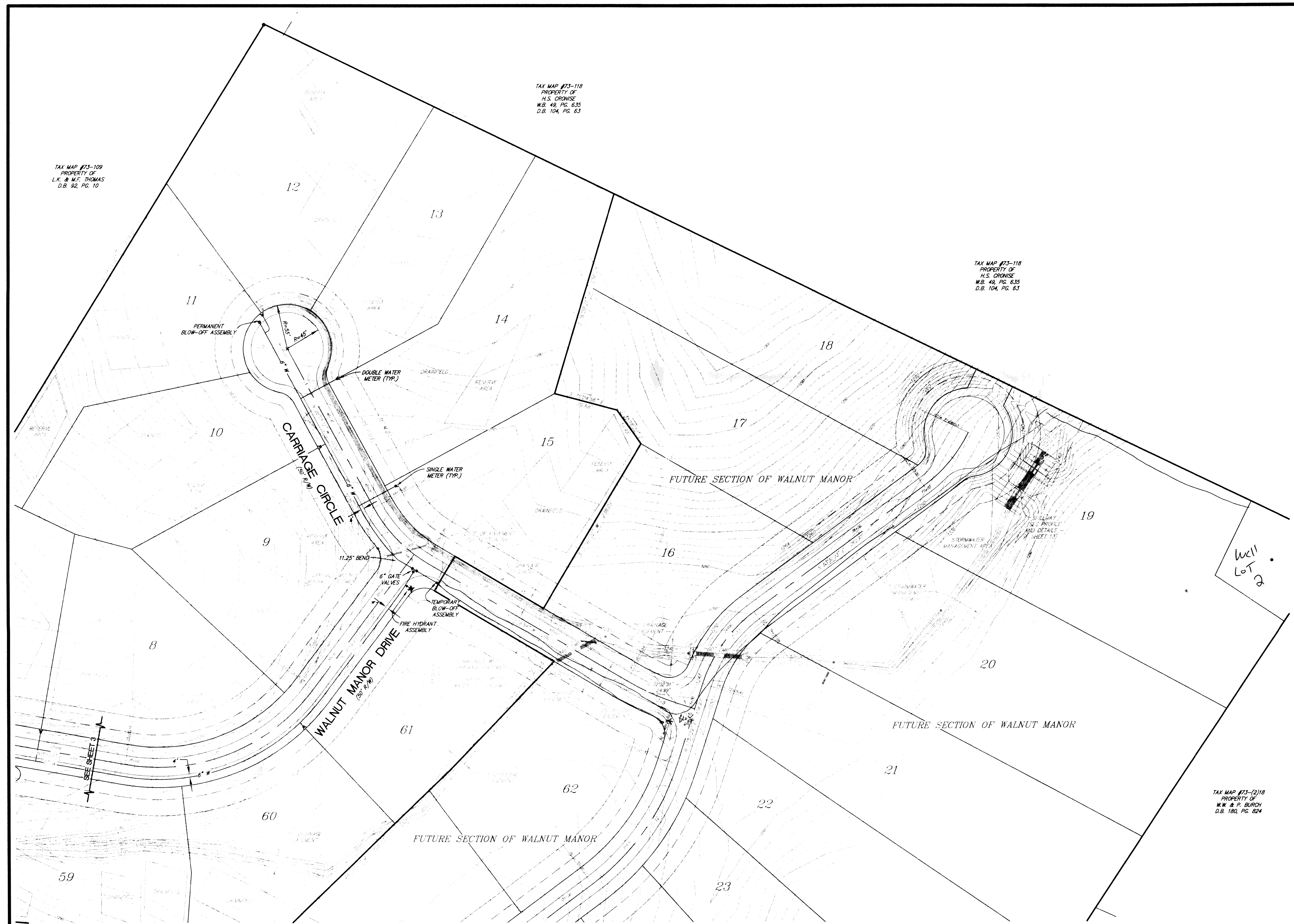
COMMONWEALTH OF VIRGINIA
MICHAEL S. WEBB
No. 012656
7-5-01
PROFESSIONAL ENGINEER

WATER SYSTEM PLAN

SECTION No. 1
"WALNUT MANOR"
PREPARED FOR
D & S DEVELOPERS, LLC
AMSTERDAM MAGISTERIAL DISTRICT
BOTETOURT COUNTY, VIRGINIA

REVISIONS		DESCRIPTION
NO.	DATE	
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DATE: 5 JULY 2001
SCALE: 1" = 50'
COMMISSION NO: 00-234
SHEET 3 OF 13

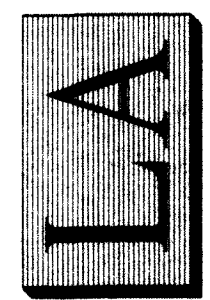


TAX MAP #73-109
PROPERTY OF
L.K. & M.F. THOMAS
D.B. 92, PG. 10

TAX MAP #73-118
PROPERTY OF
H.S. GROWSE
W.B. 49, PG. 635
D.B. 104, PG. 63

TAX MAP #73-118
PROPERTY OF
H.S. GROWSE
W.B. 49, PG. 635
D.B. 104, PG. 63

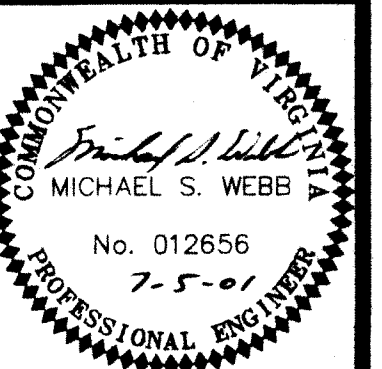
TAX MAP #73-(2)18
PROPERTY OF
W.W. & P. BURCH
D.B. 180, PG. 824



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WATER SYSTEM PLAN

SECTION No. 1
"WALNUT MANOR"
PREPARED FOR
D & S DEVELOPERS, LLC
AMSTERDAM MAGISTERIAL DISTRICT
BOTETOURT COUNTY, VIRGINIA

REVISIONS		DESCRIPTION				
NO.	DATE					
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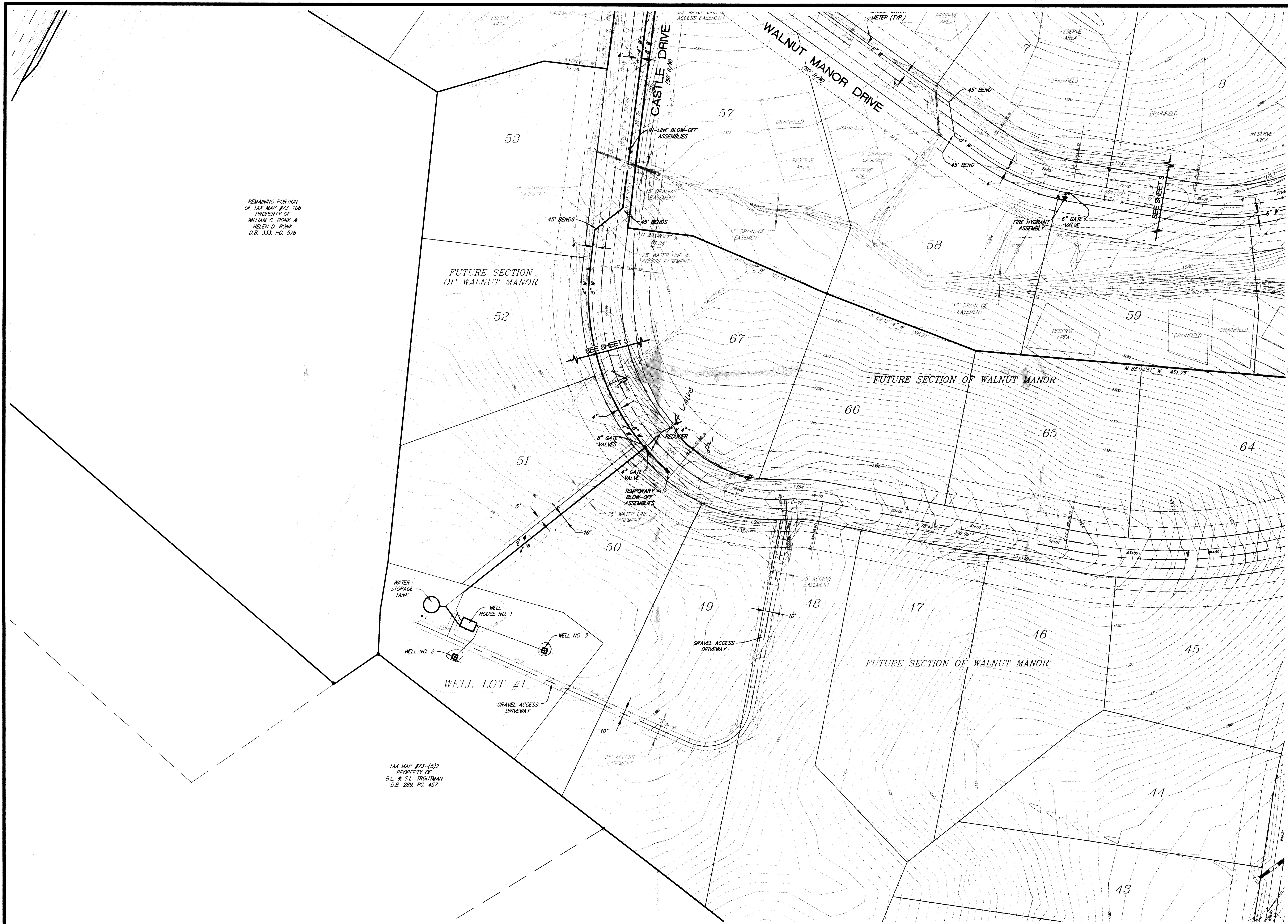
DATE: 5 JULY 2001

SCALE: 1" = 50'

COMMISSION NO: 00-234

ADD FILE: \\00234\ENGR\WATER\234COMP SW1

SHEET 4 OF 13



REMAINING PORTION
OF TAX MAP #73-106
PROPERTY OF
WILLIAM C. RONK &
HELEN D. RONK
D.B. 333, PG. 578

TAX MAP #73-(5)2
PROPERTY OF
B.L. & S.L. TROUTMAN
D.B. 289, PG. 457

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MICHAEL S. WEBB
No. 012656
7-5-01
PROFESSIONAL ENGINEER

SECTION No. 1
"WALNUT MANOR"
PREPARED FOR
D & S DEVELOPERS, LLC
AMSTERDAM MAGISTERIAL DISTRICT
BOTETOURT COUNTY, VIRGINIA

WATER SYSTEM PLAN

REVISIONS	
NO.	DESCRIPTION
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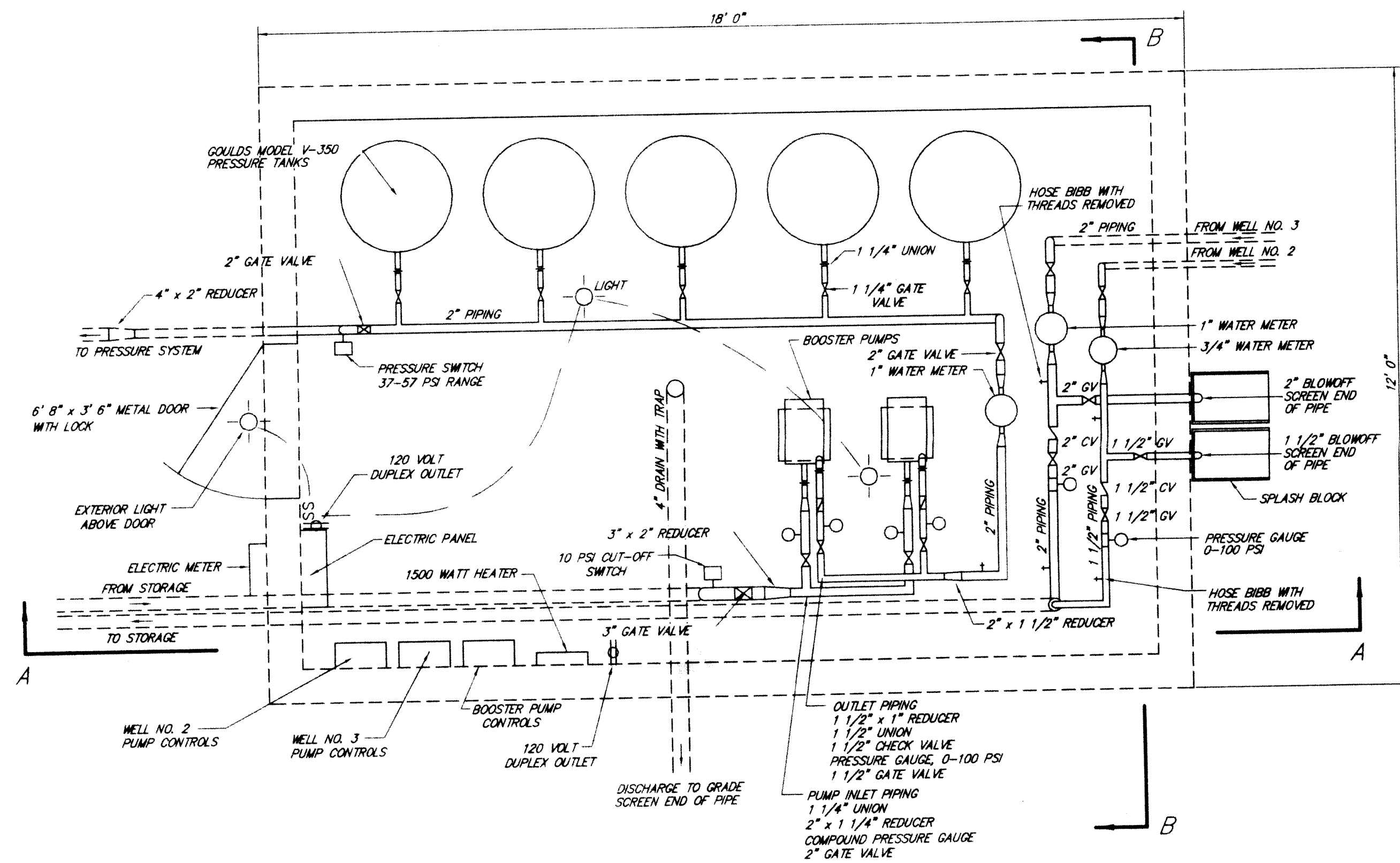
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SCALE: 1" = 50'

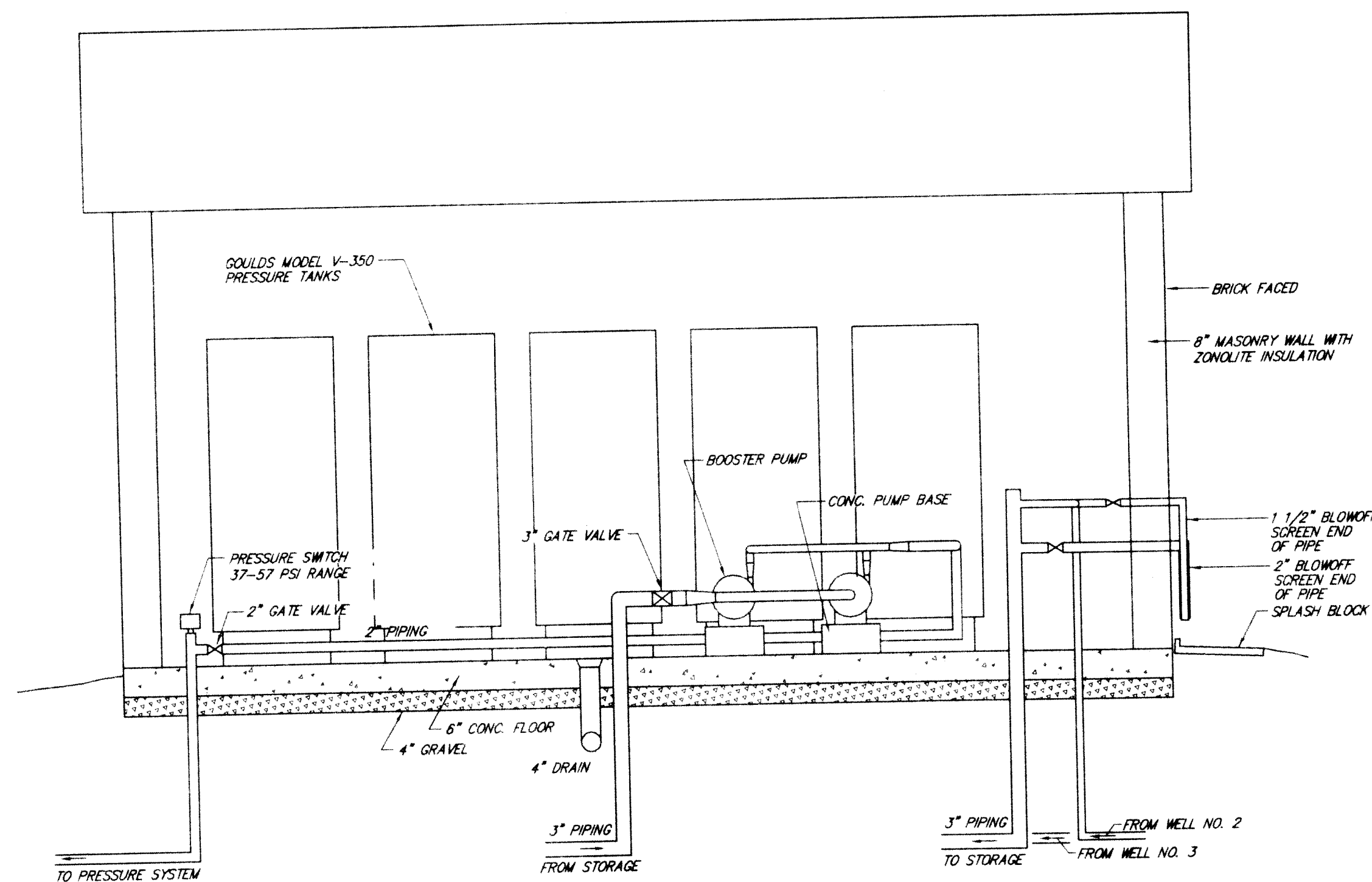
COMMISSION NO: 00-234

DATE FILE: 100234\ENG\WATER\234COMP.BW

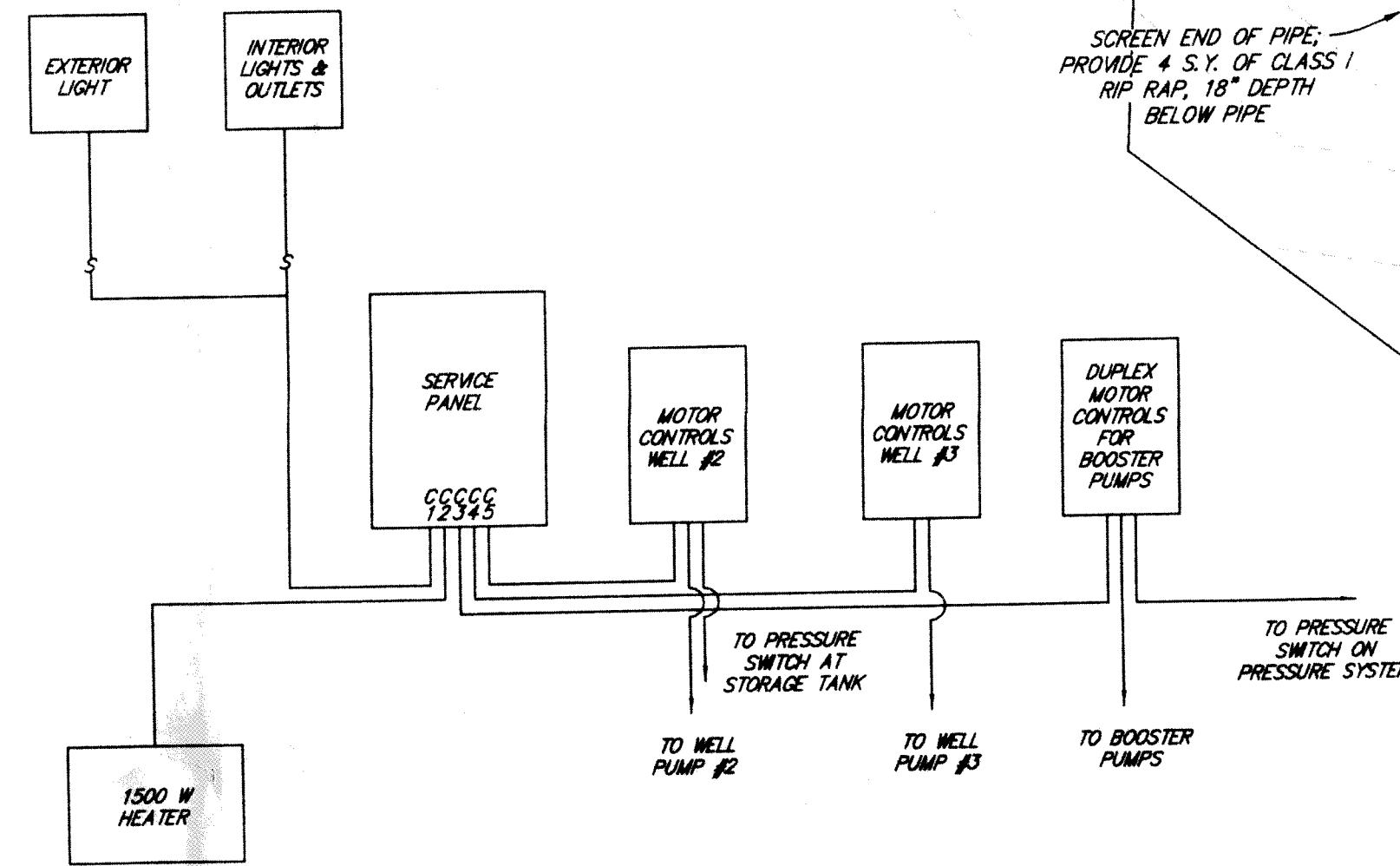
SHEET 5 OF 13



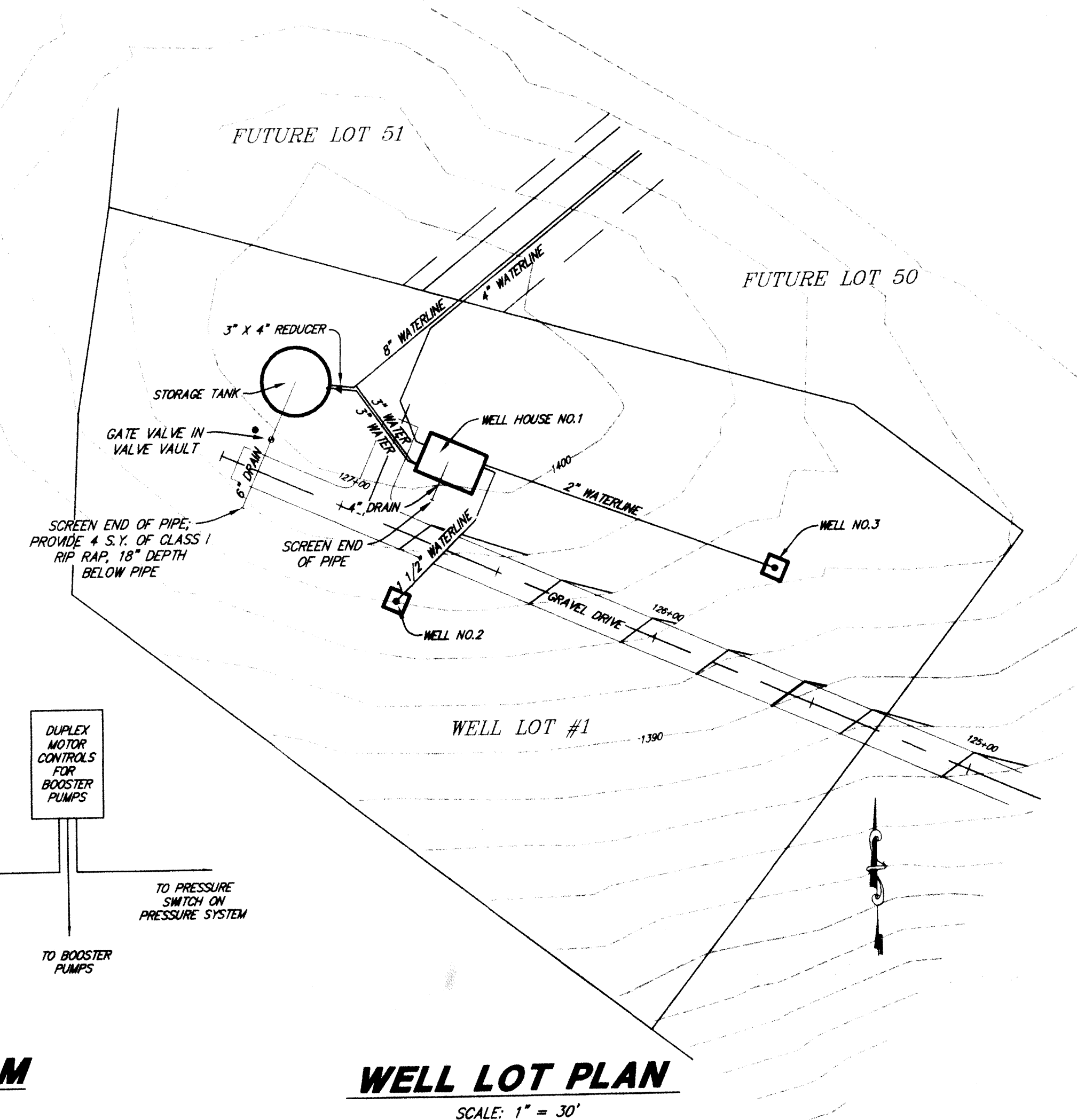
PLAN
SCALE: 1" = 2'



SECTION A-A
SCALE: 1" = 2'



ELECTRICAL DIAGRAM
NOT TO SCALE



WELL LOT PLAN
SCALE: 1" = 30'

GENERAL NOTES:

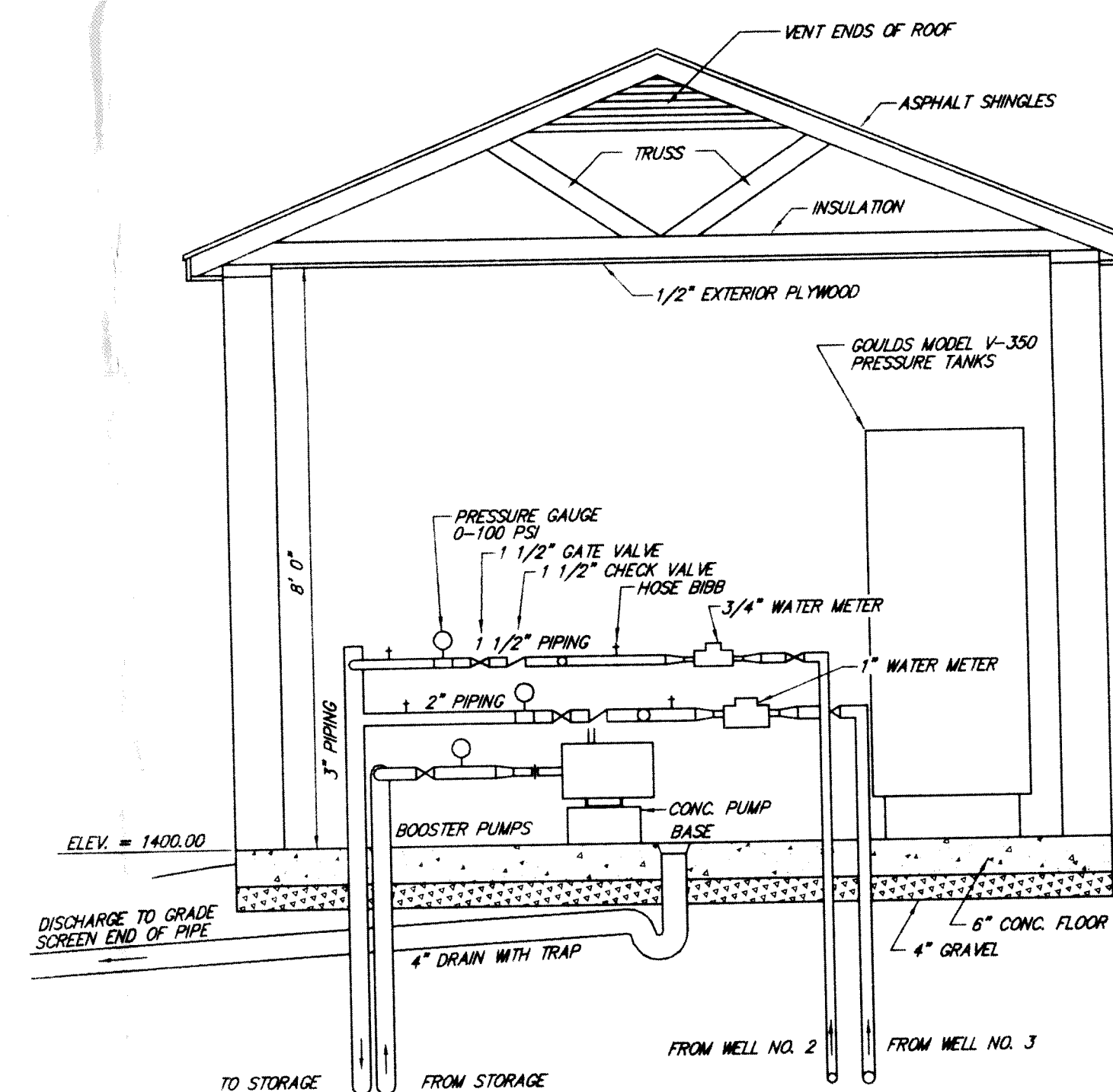
1. ALL CONSTRUCTION SHALL CONFORM TO BOTETOURT COUNTY AND VIRGINIA DEPT. OF HEALTH STANDARDS AND SPECIFICATIONS.
2. WELL HOUSE CONSTRUCTION SHALL COMPLY WITH APPLICABLE BOCA BUILDING CODES.
3. INTERIOR PIPING SHALL BE SCHEDULE 40 PVC, NSF APPROVED PIPE.
4. SEE SHEET 8 FOR WELL DETAILS.
5. SEE SHEET 10 FOR WATER TANK DETAILS.

PUMPS AND PUMP CONTROLS:

1. WELL PUMPS SHALL BE CONTROLLED BY A PRESSURE SWITCH LOCATED ON THE DRAIN LINE OF THE STORAGE TANK. SEE SHEET 8 FOR ADDITIONAL WELL PUMP SPECIFICATIONS.
2. BOOSTER PUMPS SHALL BE GOULDS MODEL HSC07, 3/4 HORSEPOWER, SINGLE PHASE, 230 VOLT.
3. BOOSTER PUMPS SHALL BE CONTROLLED BY A PRESSURE SWITCH WITH PUMP ON SET AT 37 PSI AND PUMP OFF SET AT 57 PSI.
4. BOOSTER PUMP CONTROLS SHALL PROVIDE FOR ALTERNATION OF PUMPS WITH ON-OFF CYCLES. BOOSTER PUMP CONTROLS SHALL ALSO INCLUDE PROVISIONS FOR BACKUP CONTROL OF PUMPS.

ELECTRICAL NOTES:

1. ALL PUMPS SHALL BE CONTROLLED BY STARTERS AND SHALL HAVE INDIVIDUAL HOA SWITCHES.
2. STARTERS SHALL BE SIZED ONE SIZE LARGER THAN HORSEPOWER REQUIRED. HEATERS SHALL BE SIZED FOR ACTUAL CURRENT LOAD.
3. ALL CONTROL CIRCUITS SHALL BE 120 VOLT.
4. HOUR RUN METERS SHALL BE PROVIDED FOR EACH PUMP.
5. ELECTRICAL SERVICE SHALL BE PROVIDED WITH LIGHTNING ARRESTERS.
6. ELECTRICAL PANEL SHALL HAVE A MINIMUM OF 20 CIRCUITS, 200 AMP MINIMUM.
7. ALL ELECTRICAL WIRING SHALL BE PLACED IN CONDUIT.
8. THE WELL HOUSE SHALL BE CONSIDERED A WET LOCATION FOR INTERPRETATION OF THE NATIONAL ELECTRIC CODE REQUIREMENTS.
9. ALL SWITCHES SHALL HAVE A MINIMUM 20 AMP RATING.
10. ALL RECEPTACLES SHALL BE GFI PROTECTED.
11. ALL ELECTRICAL EQUIPMENT AND PANELS SHALL BE MANUFACTURED UNITS WITH UL LISTING AND SHALL INCLUDE THE MANUFACTURER'S WARRANTY.
12. SERVICE DISCONNECT SHALL BE LOCKABLE.



SECTION B-B
SCALE: 1" = 2'

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SECTION No. 1

"WALNUT MANOR"

PREPARED FOR

D & S DEVELOPERS, LLC

AMSTERDAM MAGISTERIAL DISTRICT

BOTETOURT COUNTY, VIRGINIA

WELL HOUSE NO. 1

NO.

DATE

DESCRIPTION

1

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4

5

DATE:

5 JULY 2001

SCALE:

AS SHOWN

COMMISSION NO.:

00-234

CADD FILE:

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SHEET 10 OF 13