

Newtown Township
 209 Bishop Hollow Rd
 Newtown Sq, PA 19073

----HVAC----

Permit No.
 HVAC-2955-1596

Date: 7/7/2003

Cost \$9,000.00

Fee \$160.00

Issued by: 1

Resident Information

Property Location
 GUINEVERE DRIVE 510 UNIT 111

PULTE HOME BUILDERS
510 GUINEVERE DRIVE
NEWTOWN SQUARE PA 19073
Phone

Contractor Information HVAC

Grossman & Hofkin Enterprises, Inc.

283 Second Street Pike - Suite 185

Southampton

Pa 18966

Cont Id

1596

Commucations

Phone 215 364 5433

FAX 215 953 1974

Cell No.

Pager

Email Nationwide

Insurance No.

State Lic. No

Local Lic. No 0

Permit Details

Work Description

SEE BELOW

Plumbing Information

Bathtub 0
 Shower 0
 Sinks 0
 Toilet 0
 Laundry 0
 Urinals 0
 Flr Drains 0
 Outlets 0
 Wtr Heater 0
 WashMac 0
 Bidets 0
 Wrt Line 0
 GarDisp 0
 SwrConn 0
 GreaseTp 0
 Pumps 0
 Int Wrt 0
 AppPlum 0
 Septic 0
 RepSewer 0

Air/Heat Information

Heater Type Lenox
 Burner Make Gas
 Tank Size
 Inside/Outsid
 Size Fill Line
 Vent Size
 Dist Flue/Joist
 BTU #1 70,000
 BTU #2 70,000
 Tons #1 2
 Tons #2 2
 Type #1
 Location #1
 Type #2
 Location #2

Total Fixtures 0

Sidewalk Information

Sidewalk # Blocks 0
 Sidewalk Length 0

Alarm Information

Alarm?

Fire Information

Type
 Water Supply
 Sys Type

Newtown Township
209 Bishop Hollow Rd
Newtown Sq, PA 19073

----Building----

Permit No.
Building-2837-769

Date: 5/16/200 Cost \$15,000.00 Fee \$1,960.00 Issued by: 2

Resident Information

Property Location
GUINEVERE DRIVE 510 UNIT 111

PULTE HOME BUILDERS
510 GUINEVERE DRIVE
NEWTOWN SQUARE PA 19073
Phone

Contractor Information General

PULTE HOME CORPORATIO Cont Id 769
1100 NORTHBROOK DR
TREVOSE PA 19503

Insurance No.
State Lic. No
Local Lic. No 0

Commucations

Phone 215 396 3900
FAX
Cell No. Mike Leavy 215-778
Pager
Email

Permit Details

Work Description
NEW TOWNHOUSE

Plumbing Information

Toilet 0
Bathtub 0
Shower 0
Sinks 0
Toilet 0
Laundry 0
Urinals 0
Flr Drains 0
Outlets 0
Wtr Heater 0
WashMac 0
Bidets 0
Wrt Line 0
GarDisp 0
SwrConn 0
GreaseTp 0
Pumps 0
Int Wrt 0
AppPlum 0
Total Fixtures 0

Air/Heat Information

Heater Type
Burner Make
Tank Size
Inside/Outsid
Size Fill Line
Vent Size
Dist Flue/Joist
BTU #1
BTU #2
Tons #1
Tons #2
Type #1
Location #1
Type #2
Location #2

Sidewalk Information

Sidewalk # Blocks 0
Sidewalk Length 0

Alarm Information

Alarm?

Fire Information

Type
Water Supply
Sys Type

Newtown Township
 209 Bishop Hollow Rd
 Newtown Sq, PA 19073

----Plumbing----

Permit No.
 Plumbing-2810-638

Date: 5/9/2003 **Cost** \$4,500.00 **Fee** \$437.00 **Issued by:** 2

Resident Information

Property Location
GUINEVERE DRIVE 510 UNIT 111

PULTE HOME BUILDERS
510 GUINEVERE DRIVE
NEWTOWN SQUARE PA 19073
Phone

Contractor Information Plumbing

<p><u>McCabe Plumbing & Heating, I</u> Cont Id <u>638</u> <u>5 Elm Avenue</u> <u>Aston PA 19014</u></p>	<p style="text-align: center;"><u>Commucations</u></p> <p>Phone <u>610 358 3593</u> FAX <u>610 358 5425</u> Cell No. Pager Email</p>
<p>Insurance No. State Lic. No Local Lic. No <u>0</u></p>	

Permit Details

Work Description
PLUMBING HOUSE

Plumbing Information

Toilet	<u>4</u>
Bathtub	<u>3</u>
Shower	<u>1</u>
Sinks	<u>7</u>
Toilet	<u>7</u>
Laundry	<u>1</u>
Urinals	<u>0</u>
Fir Drains	<u>0</u>
Outlets	<u>0</u>
Wtr Heater	<u>1</u>
WashMac	<u>1</u>
Bidets	<u>0</u>
Wrt Line	<u>1</u>
GarDisp	<u>1</u>
SwrConn	<u>1</u>
GreaseTp	<u>0</u>
Pumps	<u>0</u>
Int Wrt	<u>1</u>
AppPlum	<u>2</u>
Total Fixtures	<u>0</u>

Air/Heat Information

Heater Type
 Burner Make
 Tank Size
 Inside/Outsid
 Size Fill Line
 Vent Size
 Dist Flue/Joist
 BTU #1
 BTU #2
 Tons #1
 Tons #2
 Type #1
 Location #1
 Type #2
 Location #2

Sidewalk Information

Sidewalk # Blocks **0**
 Sidewalk Length **0**

Alarm Information

Alarm?

Fire Information

Type
 Water Supply
 Sys Type

Newtown Township

209 Bishop Hollow Rd

Newtown Sq, PA 19073

----Sprinklers----

Permit No.

Sprinklers-3336-1308

Date: 10/22/2003

Cost \$2,000.00

Fee \$40.00

Issued by: 1

Resident Information

PULTE HOME BUILDERS

Property Location

510 GUINEVERE DRIVE

GUINEVERE DRIVE 510 UNIT 111

NEWTOWN SQUARE

PA 19073

Phone

Contractor Information Fire Suppression

Admiral Sprinkler Contractors, Inc.

Commucations

3800 Forge Road

Cont Id

Nottingham

Pa 19362 1308

Phone 610 932 7720

FAX 610 932 7328

Insurance No.

Cell No

State Lic. No

Pager

Local Lic. No 0

Email

Permit Details

Work Description

Plumbing Information

SPRINKLERS - WET & ANTIFREEZE SYSTEM

- Bathtub 0
- Shower 0
- Sinks 0
- Toilet 0
- Laundry 0
- Urinals 0
- Flr Drains 0
- Outlets 0
- Wtr Heater 0
- WashMac 0
- Bidets 0
- Wrt Line 0
- GarDisp 0
- SwrConn 0
- GreaseTp 0
- Pumps 0
- Int Wrt 0
- AppPlum 0
- Septic 0
- RepSewer 0
- Fire Pl 0
- Gas Line 0
- Propane 0
- Water Ftn 0

Air/Heat Information

- Heater Type
- Burner Make
- Tank Size
- Inside/Outsid
- Size Fill Line
- Vent Size
- Dist Flue/Joist
- BTU #1
- BTU #2
- Tons #1
- Tons #2
- Type #1
- Location #1
- Type #2
- Location #2

Sidewalk Information

- Sidewalk # Blocks 0
- Sidewalk Length 0

Alarm Information

Alarm?

Fire Information

- Type Wet
- Water Supply Public
- Sys Type

Total Fixtures 0

BOARD OF SUPERVISORS
JOHN S. CUSTER, JR., ESQ.
CHAIRMAN

DR. H. ROSS LAMBERT
VICE CHAIRMAN

DR. EDWARD J. DICESARE
PETER A. DELIBERTY, ESQ.
LINDA M. HOULDIN

TOWNSHIP OF NEWTOWN
DELAWARE COUNTY



209 BISHOP HOLLOW ROAD
NEWTOWN SQUARE, PENNSYLVANIA 19073
PHONE (610) 356-0200 FAX (610) 356-8722

JAMES M. SHELDRAKE
TOWNSHIP MANAGER
ROBERT J. SUGARMAN, ESQ.
TOWNSHIP SOLICITOR
PETER KRASAS
TOWNSHIP ENGINEER
JOHN D'ANNUNZIO
HARRY J. ROBINSON
BUILDING INSPECTORS

FIRE SUPPRESSION
PERMIT APPLICATION

Owner Information:

Name PULTE HOMES SPRINGTON POINTE TOWNHOMES

Address 510 GUINEVERE DRIVE NEWTOWN SQUARE *WPK*

Lot Number 111 City Newtown Square State Pa Zip 19073

Contractor Information:

Company ADMIRAL SPRINKLER CONTRACTORS

Address 3800 FORGE ROAD

City NOTTINGHAM State PA Zip 19362

Phone 610 932-7720 Fax 610 932-7328

Registration Number 1308

Job is: RESIDENTIAL COMMERCIAL

TYPE OF SYSTEMS:

Wet Dry Antifreeze

Deluge CO2 Clean Agent (specify)

WATER SUPPLY:

Public Holding Tanks Pool Other (specify)

Construction Cost: \$ 2,000.00 Escrow Amount: \$

Permit Cost \$ 40.00 Approval Date

Permit #

8336

Job Address

510 Guinevere Dr.

Date

10.22.03

PULTE HOMES OF THE DELAWARE VALLEY
1100 NORTHBROOK DRIVE,
TREVOSE, PA. 19053

PHONE: 1-215-396-3937

HYDRAULIC DESIGN INFORMATION SHEET

PROJECT NAME: Wyncrest Model DATE: 7/23/2003

SPRINGTON POINTE WOODS

GUINEVERE LANE

ADDRESS: NEWTOWN TOWNSHIP DELAWARE CO. PA ZONE: LOFT

FLOOR: LOFT SYSTEM: WET

CALCULATIONS BY: AQUATECH, INC. DWG NO: FP-1

CONSTRUCTION: COMBUSTIBLE X NON-COMBUSTIBLE CEILING HT: 8'-0"

OCCUPANCY: RESIDENTIAL - SINGLE FAMILY DWELLING

X NFPA 13D

AREA OF SPRINKLER OPERATION: TWO REMOTE SYSTEM TYPE: WET
SPRINKLERS OPERATING

DENSITY: PER MANUFACTURES

SPRINKLER OR NOZZLE

S D U.L.LISTING FOR RESIDENTIAL APPLICATION

Y E MAX AREA PER SPRINKLER: 16'X16' MAKE: VIKING

S S MODEL: VK436

T I SIZE: 1/2"

E G K-FACTOR: 5.2

M N TEMP: 155 F

CALCULATION GPM REQUIRED: 28.4 PSI REQUIRED: 114.9 AT: CITY MAIN

C FACTOR USED ON PIPE, STEEL:120, CPVC:150, COPPER:150, DUCTILE IRON:140

PHILADELPHIA SUBURBAN WATER CO. CALCULATIONS ON THE HIGHEST UNITS
FLOW TEST 11/19/2001 @ 11:30 AM ABOVE SEA LEVEL, ELLIS AVENUE.
NEWTOWN ST 750' N/O GRADYVILLE ST. APPROXIMATELY EL: 385'
STATIC 130 PSI RESIDUAL 106 PSI 25,000' OF 8" UNDERGROUND MAIN
FLOW HYDRANT, NEWTOWN ST 300' N/O WAS ALSO USED IN THE CALCULATIONS
GRADYVILLE RD. 1627 GPM. THIS WAS FOR THE RUN BACK TO THE
(1 - 2 1/2" OUTLET 94 PITOT.) CITY MAIN ON NEWTOWN STREET, THE
LOCATION OF THE TEST ELEVATION 300'

NEWTOWN TOWNSHIP
DELAWARE COUNTY, PA.
FIRE MARSHAL

Accepted
 Rejected

By Keah
Date 7/27/03

SPRINKLER SYSTEM HYDRAULIC ANALYSIS

DATE: 7/23/2003

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JOB TITLE:

REMOTE AREA 1

WATER SUPPLY DATA

SOURCE NODE TAG	STATIC PRESS. (PSI)	RESID. PRESS. (PSI)	FLOW @ (GPM)	AVAIL. PRESS. (PSI)	TOTAL @ DEMAND (GPM)	REQ'D PRESS. (PSI)
SOURCE	130.0	106.0	1627.0	130.0	28.3	114.9

AGGREGATE FLOW ANALYSIS:

TOTAL FLOW AT SOURCE	28.3 GPM
TOTAL HOSE STREAM ALLOWANCE AT SOURCE	0.0 GPM
OTHER HOSE STREAM ALLOWANCES	0.0 GPM
TOTAL DISCHARGE FROM ACTIVE SPRINKLERS	28.3 GPM

NODE ANALYSIS DATA

NODE TAG	ELEVATION (FT)	NODE TYPE	PRESSURE (PSI)	DISCHARGE (GPM)
1	411.0	K= 5.20	7.2	14.0
2	411.0	K= 5.20	7.6	14.3
3	411.0	- - - -	9.5	- - -
4	411.0	- - - -	11.1	- - -
5	411.0	- - - -	11.6	- - -
6	403.0	- - - -	16.4	- - -
7	403.0	- - - -	21.8	- - -
8	403.0	- - - -	24.7	- - -
9	403.0	- - - -	26.3	- - -
10	391.0	- - - -	33.0	- - -
11	382.0	- - - -	38.9	- - -
12	377.0	- - - -	44.0	- - -
13	380.0	- - - -	46.0	- - -
14	382.0	- - - -	48.1	- - -
15	382.0	- - - -	50.9	- - -
A	382.0	- - - -	54.6	- - -
B	377.0	- - - -	59.8	- - -
C	377.0	- - - -	60.4	- - -
D	377.0	- - - -	71.4	- - -
E	377.0	- - - -	71.5	- - -
F	377.0	- - - -	74.5	- - -
G	377.0	- - - -	75.0	- - -
H	377.0	- - - -	81.4	- - -
SOURCE	300.0	SOURCE	114.9	28.3

SPRINKLER SYSTEM HYDRAULIC ANALYSIS

DATE: 7/23/2003

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JOB TITLE:

REMOTE AREA 1

PIPE TAG

END NODES	ELEV. (FT)	NOZ. (K)	PT (PSI)	DISC. (GPM)	Q (GPM) VEL (FPS)	DIA (IN) HW (C) FL/FT	LENGTH (FT)	PRESS. SUM. (PSI)	
Pipe: 14									
14	382.0	0.0	48.1	0.0	-28.3 10.5	1.049 PL 120 FTG	6.50 T	PF PE	2.8 0.0
15	382.0	0.0	50.9	0.0		0.248 TL	11.50	PV	
Pipe: 15									
15	382.0	0.0	50.9	0.0	-28.3 10.5	1.049 PL 120 FTG	13.00 E	PF PE	3.7 0.0
A	382.0	0.0	54.6	0.0		0.248 TL	15.00	PV	
Pipe: 16									
A	382.0	0.0	54.6	0.0	-28.3 10.5	1.049 PL 120 FTG	5.00 EC	PF PE	3.0 2.2
B	377.0	0.0	59.8	0.0		0.248 TL	12.00	PV	
Pipe: 17									
B	377.0	0.0	59.8	0.0	-28.3 10.5	1.049 PL 120 FTG	0.50 E	PF PE	0.6 0.0
C	377.0	0.0	60.4	0.0		0.248 TL	2.50	PV	
Pipe: 18									
D	377.0	0.0	71.4	0.0		FIXED PRESSURE LOSS DEVICE 11.0 psi, 28.3 gpm			
C	377.0	0.0	60.4	0.0					
Pipe: 19									
D	377.0	0.0	71.4	0.0	-28.3 10.5	1.049 PL 120 FTG	0.50 ----	PF PE	0.1 0.0
E	377.0	0.0	71.5	0.0		0.248 TL	0.50	PV	
Pipe: 20									
F	377.0	0.0	74.5	0.0		FIXED PRESSURE LOSS DEVICE 3.0 psi, 28.3 gpm			
E	377.0	0.0	71.5	0.0					
Pipe: 21									
F	377.0	0.0	74.5	0.0	-28.3 11.0	1.025 PL 150 FTG	0.50 E	PF PE	0.5 0.0
G	377.0	0.0	75.0	0.0		0.183 TL	2.50	PV	
Pipe: 22									
G	377.0	0.0	75.0	0.0	-28.3 11.0	1.025 PL 150 FTG	30.00 TLG	PF PE	6.4 0.0
H	377.0	0.0	81.4	0.0		0.183 TL	35.00	PV	
Pipe: 23									
H	377.0	0.0	81.4	0.0	-28.3 0.2	8.510 PL 140 FTG	20000.00 ----	PF PE	0.1 33.4
SOURCE	300.0	SRCE	114.9	(N/A)		0.000 TL	20000.00	PV	

NOTES:

- Calculations were performed by the HASS 7.5 computer program under license no. 49080173 granted by HRS Systems, Inc. 4792 LaVista Road Tucker, GA 30084
- The system has been calculated to provide an average imbalance at each node of 0.005 gpm and a maximum imbalance at any node of 0.109 gpm.

SPRINKLER SYSTEM HYDRAULIC ANALYSIS

DATE: 7/23/2003

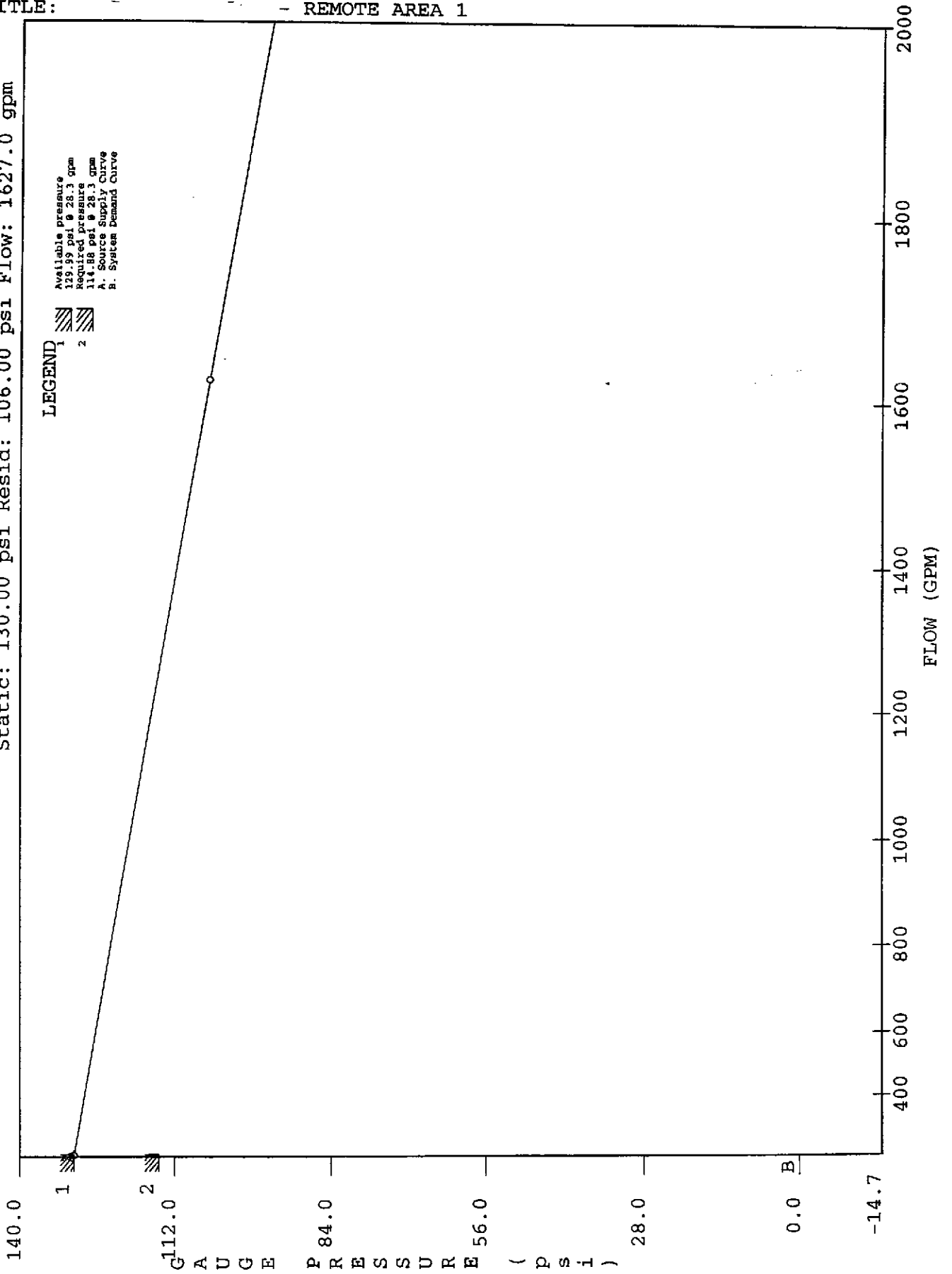
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JOB TITLE:

- REMOTE AREA 1

WATER SUPPLY ANALYSIS

Static: 130.00 psi Resid: 106.00 psi Flow: 1627.0 gpm



SPRINKLER SYSTEM HYDRAULIC ANALYSIS

DATE: 7/23/2003

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JOB TITLE:

REMOTE AREA 1

WATER SUPPLY CURVE

