

FOL BUILDING #1

Maine Dept. Health & Human Services
Div of Environmental Health, 11 SHS
(207) 287-5672 Fax: (207) 287-3165

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

PROPERTY LOCATION

>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<

City, Town, or Plantation: AUGUSTA
Street or Road: BELGRADE ROAD
Subdivision, Lot #: CEVIC CENTER DRIVE APARTMENTS

AUGUSTA PERMIT # 6364 TOWN COPY
Date Permit Issued: 10/15/09 \$ 176.99 Double Fee Charged
Local Plumbing Inspector Signature: [Signature] L.P.I. # 1808

OWNER/APPLICANT INFORMATION

Name (last, first, MI): GELLER, SIDNEY H. Owner Applicant
Mailing Address of Owner/Applicant: 910 SIDNEY H. GELLER TRUST
18 SILVER STREET
WATERVILLE, ME 04901
Daytime Tel. #: (207) 873-2723

Municipal Tax Map # 1 Lot # 37

OWNER OR APPLICANT STATEMENT

I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.

CAUTION: INSPECTION REQUIRED

I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.

Signature of Owner or Applicant: [Signature] Date: 10/15/09

Local Plumbing Inspector Signature: [Signature] (1st) date approved: 11/24/09
(2nd) date approved: 12/16/09

PERMIT INFORMATION

TYPE OF APPLICATION
 1. First Time System
 2. Replacement System
Type replaced: PLASTIC CHAMBERS
Year installed: 1989
 3. Expanded System
 4. Experimental System
 5. Seasonal Conversion

THIS APPLICATION REQUIRES
 1. No Rule Variance
 2. First Time System Variance
 3. Replacement System Variance
 4. Minimum Lot Size Variance
 5. Seasonal Conversion Permit

SIZE OF PROPERTY
8.54 L. SQ. FT. ACRES

SHORELAND ZONING
 Yes No

DISPOSAL SYSTEM TO SERVE
 1. Single Family Dwelling Unit, No. of Bedrooms:
 2. Multiple Family Dwelling, No. of Units: (8) 180A APARTMENTS
 3. Other: _____ (specify)

Current Use Seasonal Year Round Undeveloped

DISPOSAL SYSTEM COMPONENTS
 1. Complete Non-engineered System
 2. Primitive System (graywater & all. toilet)
 3. Alternative Toilet, specify: _____
 4. Non-engineered Treatment Tank (only)
 5. Holding Tank, _____ gallons
 6. Non-engineered Disposal Field (only)
 7. Separated Laundry System
 8. Complete Engineered System (2000 gpd or more)
 9. Engineered Treatment Tank (only)
 10. Engineered Disposal Field (only)
 11. Pre-treatment, specify: _____
 12. Miscellaneous Components

TYPE OF WATER SUPPLY
EXISTING
 1. Drilled Well 2. Dug Well 3. Private
 4. Public 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
 1. Concrete EXISTING
 a. Regular
 b. Low Profile
 2. Plastic
 3. Other:
CAPACITY: 1000 GAL
(2000 TOTAL)

DISPOSAL FIELD TYPE & SIZE
 1. Stone Bed 2. Stone Trench
 3. Proprietary Device
 a. cluster array c. Linear
 b. regular load d. H-20 load
 4. Other:
SIZE: 3300 sq. ft. lin. ft.

GARBAGE DISPOSAL UNIT
 1. No 2. Yes 3. Maybe
If Yes or Maybe, specify one below:
 a. multi-compartment tank
 b. _____ tanks in series
 c. increase in tank capacity
 d. Filter on Tank Outlet

DISPOSAL FIELD SIZING
 1. Small—2.0 sq. ft. / gpd
 2. Medium—2.6 sq. ft. / gpd
 3. Medium—Large 3.3 sq. ft. / gpd
 4. Large—4.1 sq. ft. / gpd
 5. Extra Large—5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP
 1. Not Required
 2. May Be Required
 3. Required
Specify only for engineered systems:
DOSE: _____ gallons

DESIGN FLOW
960 gallons per day
BASED ON:
 1. Table 501.1 (dwelling unit(s))
 2. Table 501.2 (other facilities)
SHOW CALCULATIONS for other facilities
(8) 1 BEDROOM APARTMENT UNITS AT 120 GPD/UNIT
 3. Section 503.0 (meter readings)
ATTACH WATER METER DATA

LATITUDE AND LONGITUDE
at center of disposal area
Lat. 44 d 22 m 54.25" N
Lon. 79 d 48 m 09.79" W
if g.p.s., state margin of error: 10

SITE EVALUATOR STATEMENT

I certify that on 9/20/09 (date) I completed a site evaluation on this property and state that the data reported are accurate and the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature: [Signature] SE #: #213 Date: 9/23/09
Site Evaluator Name Printed: STEPHEN H. HOWELL Telephone Number: (207) 848-5714 E-mail Address: showell@swcole.com

FOR BUILDING #1

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Health & Human Services
 Division of Environmental Health
 (207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

AUGUSTA

BELGRADE ROAD
 CIVIC CENTER DRIVE APTS.

SIDNEY H. GELER

SITE PLAN

Scale 1" = _____ ft. or as shown

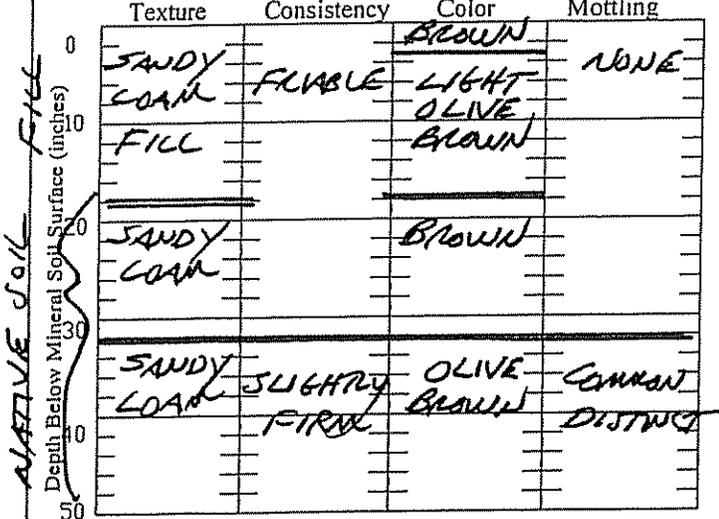
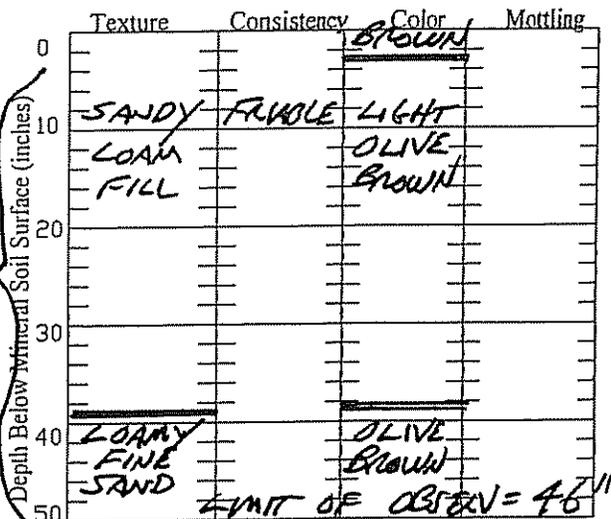
SITE LOCATION PLAN
 (map from Maine Atlas recommended)

SEE ATTACHED SHEET #1									
-----------------------	--	--	--	--	--	--	--	--	--

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole Test Pit Boring
 <1" Depth of Organic Horizon Above Mineral Soil

Observation Hole Test Pit Boring
 <1" Depth of Organic Horizon Above Mineral Soil

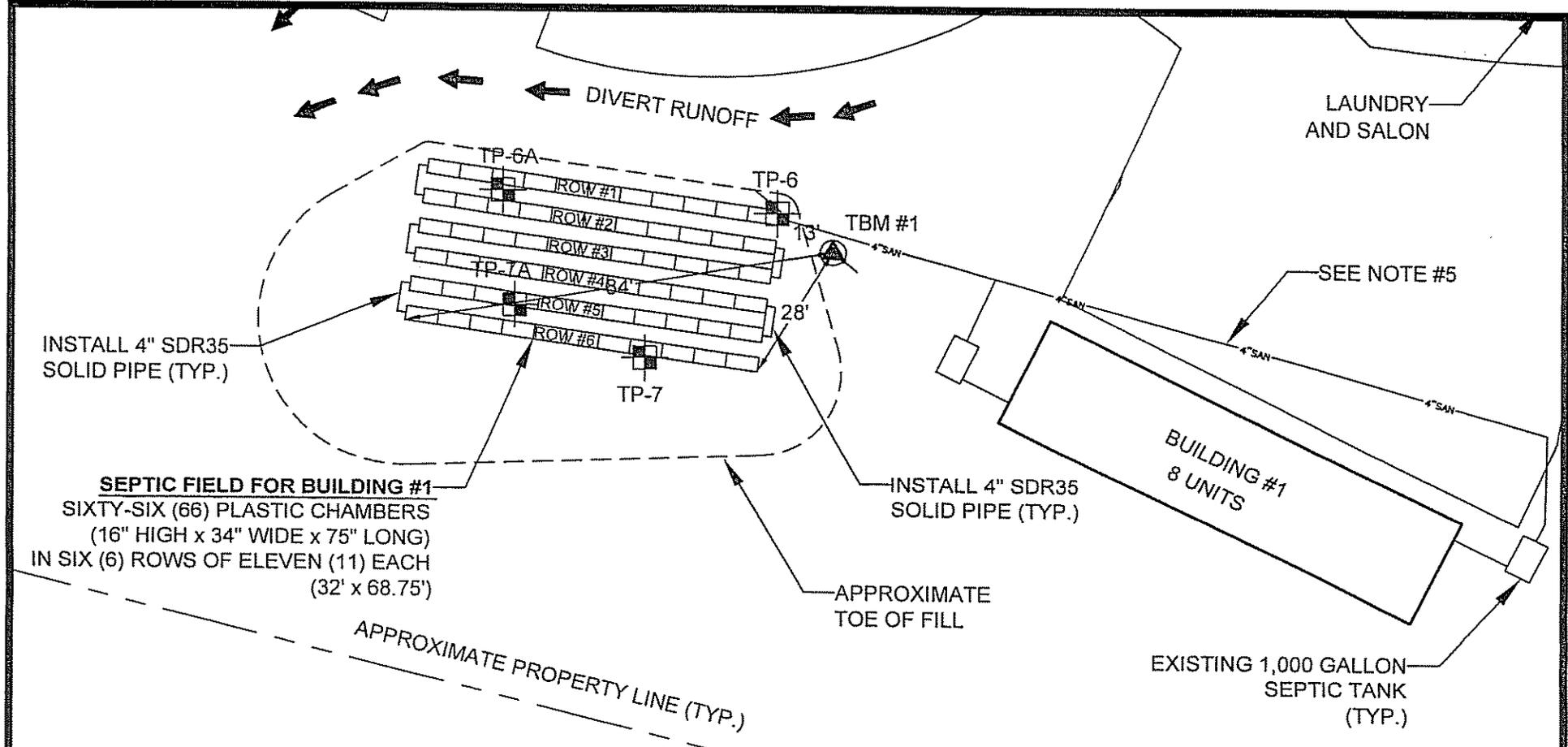


Soil Classification	Slope	Limiting Factor	<input type="checkbox"/> Ground Water
12 B	15-20%	740"	<input type="checkbox"/> Restrictive Layer
Profile Condition			<input type="checkbox"/> Bedrock
			<input checked="" type="checkbox"/> Pit Depth

Soil Classification	Slope	Limiting Factor	<input checked="" type="checkbox"/> Ground Water
3 C	15-20%	32"	<input checked="" type="checkbox"/> Restrictive Layer
Profile Condition			<input type="checkbox"/> Bedrock
			<input type="checkbox"/> Pit Depth

#213 9/23/09

R:\2009\09-0680\09-0680 Septic Design.dwg, SITE PLAN BUILDING 1, 10/2/2009 8:13:51 AM, dray, Default Windows System Printer.pc3, Letter, 1:1



INSTALL 4" SDR35 SOLID PIPE (TYP.)

SEPTIC FIELD FOR BUILDING #1
SIXTY-SIX (66) PLASTIC CHAMBERS
(16" HIGH x 34" WIDE x 75" LONG)
IN SIX (6) ROWS OF ELEVEN (11) EACH
(32' x 68.75')

INSTALL 4" SDR35 SOLID PIPE (TYP.)

APPROXIMATE TOE OF FILL

APPROXIMATE PROPERTY LINE (TYP.)

EXISTING 1,000 GALLON SEPTIC TANK (TYP.)

LEGEND

-  APPROXIMATE TEST PIT LOCATION
-  APPROXIMATE LOCATION OF EXISTING 1,000 GALLON SEPTIC TANK




S.W. COLE
ENGINEERING, INC.

SIDNEY H. GELLER TRUST
SITE PLAN - BUILDING #1 SEPTIC
 CIVIC CENTER DRIVE APARTMENTS
 BELGRADE ROAD
 AUGUSTA, MAINE

Job No. 09-0680
 Date : 10/02/09

Scale 1" = 30'
 Sheet 1

FOL BUILDING #1

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Health & Human Services
Division of Environmental Health
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation

Street, Road, Subdivision

Owner's Name

AUGUSTA

BELGRADE ROAD
CIVIC CENTER DRIVE ARTS.

SIDNEY H. GELLEK

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = _____ FT.

SEE ATTACHED
SHEET #1

FILL REQUIREMENTS

CONSTRUCTION ELEVATIONS

ELEVATION REFERENCE POINT

Depth of Fill (Upslope)

Finished Grade Elevation

Location & Description:

Depth of Fill (Downslope)

Top of Distribution Pipe or Proprietary Device

Reference Elevation:

Bottom of Disposal Area

DISPOSAL AREA CROSS SECTION

Scale

Horizontal 1" = _____ ft.

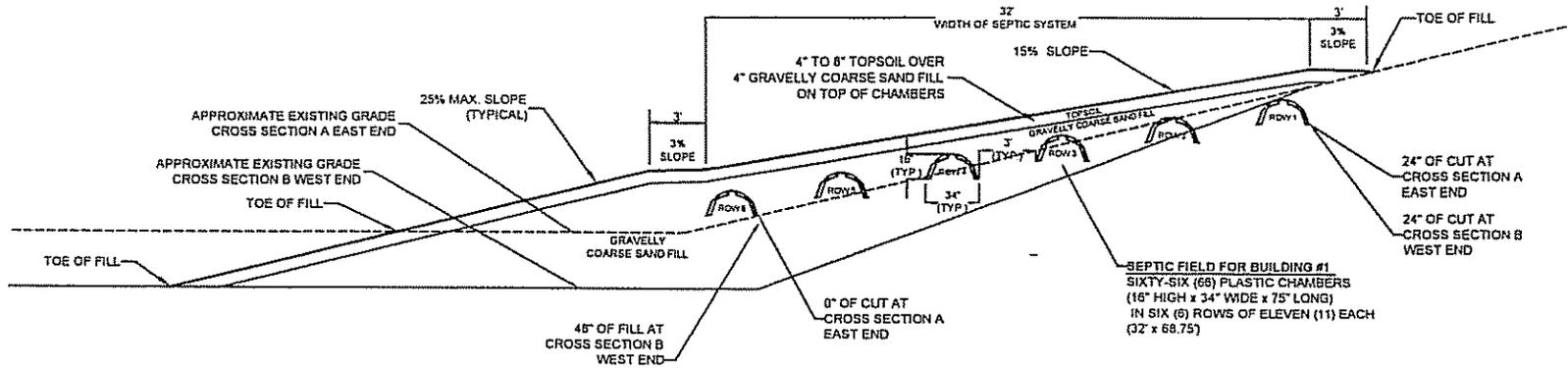
Vertical 1" = _____ ft.

SEE ATTACHED
SHEET #2

#213

9/23/09

BUILDING #1 - SEPTIC FIELD



**CONSTRUCTION ELEVATIONS
(BASED ON TBM #1)**

ROW #	BOTTOM OF CHAMBER *	TOP OF CHAMBER *
1	-52"	-36"
2	-64"	-48"
3	-76"	-60"
4	-88"	-72"
5	-100"	-84"
6	-112"	-96"

* INCHES BELOW TBM
* BASED ON 16" HIGH CHAMBERS

NOTE: TBM#1: NAIL AND FLAGGING
28" UP A 2"Ø WHITE PINE TREE,
ASSUMED ELEVATION = 0'



SIDNEY H. GELLER TRUST
CROSS SECTIONS - BUILDING #1 SEPTIC
 CIVIC CENTER DRIVE APARTMENTS
 BELGRADE ROAD
 AUGUSTA, MAINE

Job No. 09-0680
 Date: 10/02/09

Scale 1" = 10'
 Sheet 2

NOTES :

1. LIME, FERTILIZE, SEED AND MULCH ALL DISTURBED AREAS.
2. CHAMBERS ARE TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" IN 100'.
3. DIVERT ALL SURFACE RUNOFF AND ROOF RUNOFF AWAY FROM THE LEACHFIELDS.
4. SCARIFY EXISTING SOIL SURFACE UNDER CHAMBERS AND FILL EXTENSIONS AND MIX GRAVELLY COARSE SAND FILL INTO THE UPPER 6" OF SOIL.
5. PROPERLY PROTECT ALL PIPES, TANKS AND CHAMBERS FROM FREEZING OR CRUSHING ESPECIALLY UNDER TRAFFIC AREAS.
6. INSTALL RISERS FOR TANK ACCESS AS NECESSARY.
7. ALL PIPES TO BE 4" SCH40 SOLID PVC UNLESS OTHERWISE NOTED.
8. CONTRACTOR TO VERIFY PROPERTY LINES AND SETBACKS PRIOR TO CONSTRUCTION.
9. CONTRACTOR TO VERIFY LOCATIONS OF SEPTIC TANKS PRIOR TO CONSTRUCTION. ALL SEPTIC TANKS TO FITTED WITH A300 ZABEL FILTERS OR EQUIVALENT PRODUCT.
10. WHERE EXISTING TANKS ARE REPLACED INSTALL RISERS, INSTALL A300 ZABEL FILTERS, AND USE HEAVY DUTY ONE PIECE TANK.
11. PROPERLY CLEAN ZABEL A300 FILTER AND PUMP AND MAINTAIN TANKS AS RECOMMENDED BY THE MANUFACTURER OR DIVISION OF HEALTH ENGINEERING.
12. S..W. COLE ENGINEERING , INC. DID NOT VERIFY LOCATION OF UNDERGROUND UTILITIES. IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATING CONTRACTOR BE CONTACTED TO LOCATE UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

Construction Notes

1. Chambers to be a minimum of 100 feet from all wells, 300 feet from public water supplies, 50 feet from all seasonal streams, 100 feet from all perennial streams, 15 feet from the edge of any curtain drains, 10 feet from property lines, and 20 feet from buildings.
2. Septic tank to be a minimum of 100 feet from wells, ponds, lakes, and perennial streams, 50 feet from seasonal streams, 10 feet from property lines, and 8 feet from buildings.
3. Divert all roof runoff and surface runoff away from leachfield.
4. Properly protect all pipes, chambers, and tanks from freezing and/or crushing.
5. Review and comply with attached Septic System User Notes.

George Soucy Jr.

From: Steve Howell [SHowell@SWCole.com]
Sent: Friday, December 04, 2009 9:09 AM
To: George Soucy Jr.
Cc: Tim Hodgins
Subject: Emailing: Scan9221

Attachments: Scan9221.pdf



Scan9221.pdf (697
KB)

Mr. Soucy,

We were contacted by the contractor (McGee Construction) installing the 3 septic systems for Civic Center Drive regarding installation of A300 Zabel filters on the existing septic tanks. The contractor has determined that the existing tanks will not accommodate the A300 filter and that the tanks have the old-fashioned top of the tank hanging baffles. He is requesting that we eliminate the requirement for the A300 filter on the existing tanks. We feel this top hanging type of baffle will be effective at eliminating solids from the effluent and have agreed to eliminate the A300 filter requirement unless the existing tank or baffle is in poor condition and needs to be replaced.

Attached is a copy of page 1 for the three septic designs and the revised construction note page. Please let me know if you have any concerns or recommendations regarding this revision.

Thank you for your time.

The message is ready to be sent with the following file or link attachments:

Scan9221

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

NOTES :

1. LIME, FERTILIZE, SEED AND MULCH ALL DISTURBED AREAS.
2. CHAMBERS ARE TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" IN 100'.
3. DIVERT ALL SURFACE RUNOFF AND ROOF RUNOFF AWAY FROM THE LEACHFIELDS.
4. SCARIFY EXISTING SOIL SURFACE UNDER CHAMBERS AND FILL EXTENSIONS AND MIX GRAVELLY COARSE SAND FILL INTO THE UPPER 6" OF SOIL.
5. PROPERLY PROTECT ALL PIPES, TANKS AND CHAMBERS FROM FREEZING OR CRUSHING ESPECIALLY UNDER TRAFFIC AREAS.
6. INSTALL RISERS FOR TANK ACCESS AS NECESSARY.
7. ALL PIPES TO BE 4" SCH40 SOLID PVC UNLESS OTHERWISE NOTED.
8. CONTRACTOR TO VERIFY PROPERTY LINES AND SETBACKS PRIOR TO CONSTRUCTION.
9. CONTRACTOR TO VERIFY LOCATIONS OF SEPTIC TANKS PRIOR TO CONSTRUCTION. ~~ALL TANKS TO BE REPLACED WITH A300 ZABEL FILTER EQUIVALENT PRODUCT.~~
10. WHERE EXISTING TANKS ARE REPLACED INSTALL RISERS, INSTALL A300 ZABEL FILTERS, AND USE HEAVY DUTY ONE PIECE TANK.
11. PROPERLY CLEAN ZABEL A300 FILTER AND PUMP AND MAINTAIN TANKS AS RECOMMENDED BY THE MANUFACTURER OR DIVISION OF HEALTH ENGINEERING.
12. S..W. COLE ENGINEERING , INC. DID NOT VERIFY LOCATION OF UNDERGROUND UTILITIES. IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATING CONTRACTOR BE CONTACTED TO LOCATE UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

SHH
12/04/09
SE#
213

FOL BUILDING #1

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Dept. Health & Human Services
Div of Environmental Health, 11 SHS
(207) 287-5672 Fax: (207) 287-3165

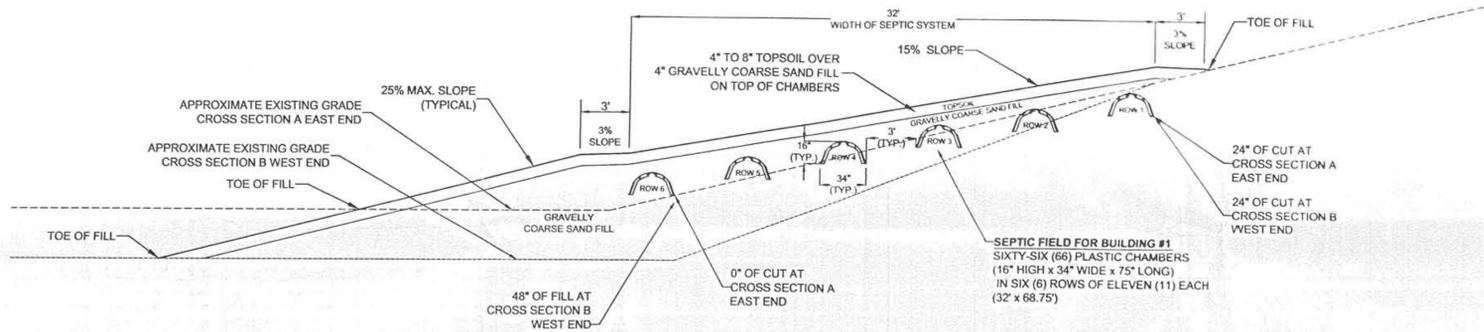
PROPERTY LOCATION		>> CAUTION: PERMIT REQUIRED - ATTACH IN SPACE BELOW <<	
City, Town, or Plantation	<u>AUGUSTA</u>	The Subsurface Wastewater Disposal System <i>shall not</i> be installed until a Permit is attached HERE by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.	
Street or Road	<u>BELGRADE ROAD</u>		
Subdivision, Lot #	<u>CIVIC CENTER DRIVE APARTMENTS</u>		
OWNER/APPLICANT INFORMATION			
Name (last, first, MI)	<u>GELLER, SIDNEY H.</u> <input checked="" type="checkbox"/> Owner <input type="checkbox"/> Applicant		
Mailing Address of Owner/Applicant	<u>910 SIDNEY H. GELLER TRUST 18 SILVER STREET WATERVILLE, ME 04901</u>		
Daytime Tel. #	<u>(207) 873-2723</u>	Municipal Tax Map # _____	Lot # _____
OWNER OR APPLICANT STATEMENT		CAUTION: INSPECTION REQUIRED	
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.		I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application.	
Signature of Owner or Applicant _____ Date _____		Local Plumbing Inspector Signature _____ (1st) date approved _____	

PERMIT INFORMATION			
TYPE OF APPLICATION	THIS APPLICATION REQUIRES	DISPOSAL SYSTEM COMPONENTS	
<input type="checkbox"/> 1. First Time System	<input checked="" type="checkbox"/> 1. No Rule Variance	<input type="checkbox"/> 1. Complete Non-engineered System	
<input checked="" type="checkbox"/> 2. Replacement System	<input type="checkbox"/> 2. First Time System Variance	<input type="checkbox"/> 2. Primitive System (graywater & alt. toilet)	
Type replaced: <u>PASTIC CHANNELS</u>	<input type="checkbox"/> 3. Replacement System Variance	<input type="checkbox"/> 3. Alternative Toilet, specify: _____	
Year installed: <u>1989</u>	<input type="checkbox"/> 4. Minimum Lot Size Variance	<input type="checkbox"/> 4. Non-engineered Treatment Tank (only)	
<input type="checkbox"/> 3. Expanded System	<input type="checkbox"/> 5. Seasonal Conversion Permit	<input type="checkbox"/> 5. Holding Tank, _____ gallons	
<input type="checkbox"/> a. Minor Expansion		<input checked="" type="checkbox"/> 6. Non-engineered Disposal Field (only)	
<input type="checkbox"/> b. Major Expansion		<input type="checkbox"/> 7. Separated Laundry System	
<input type="checkbox"/> 4. Experimental System		<input type="checkbox"/> 8. Complete Engineered System (2000 gpd or more)	
<input type="checkbox"/> 5. Seasonal Conversion		<input type="checkbox"/> 9. Engineered Treatment Tank (only)	
SIZE OF PROPERTY	DISPOSAL SYSTEM TO SERVE	TYPE OF WATER SUPPLY	
<u>8.54</u> L SQ. FT. <input checked="" type="checkbox"/> ACRES	<input type="checkbox"/> 1. Single Family Dwelling Unit, No. of Bedrooms: _____	<input checked="" type="checkbox"/> 1. Drilled Well <input type="checkbox"/> 2. Dug Well <input type="checkbox"/> 3. Private	
SHORELAND ZONING	<input checked="" type="checkbox"/> 2. Multiple Family Dwelling, No. of Units: <u>(8) 1BR APARTMENTS</u>	<input type="checkbox"/> 4. Public <input type="checkbox"/> 5. Other	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> 3. Other: _____ (specify)		
	Current Use <input type="checkbox"/> Seasonal <input checked="" type="checkbox"/> Year Round <input type="checkbox"/> Undeveloped		

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)			
TREATMENT TANK	DISPOSAL FIELD TYPE & SIZE	GARBAGE DISPOSAL UNIT	DESIGN FLOW
<input checked="" type="checkbox"/> 1. Concrete <u>EXISTING</u>	<input type="checkbox"/> 1. Stone Bed <input type="checkbox"/> 2. Stone Trench	<input checked="" type="checkbox"/> 1. No <input type="checkbox"/> 2. Yes <input type="checkbox"/> 3. Maybe	<u>960</u> gallons per day
<input checked="" type="checkbox"/> a. Regular	<input checked="" type="checkbox"/> 3. Proprietary Device	If Yes or Maybe, specify one below:	BASED ON:
<input type="checkbox"/> b. Low Profile	<input type="checkbox"/> a. cluster array <input checked="" type="checkbox"/> c. Linear	<input type="checkbox"/> a. multi-compartment tank	<input type="checkbox"/> 1. Table 501.1 (dwelling unit(s))
<input type="checkbox"/> 2. Plastic	<input checked="" type="checkbox"/> b. regular load <input type="checkbox"/> d. H-20 load	<input type="checkbox"/> b. _____ tanks in series	<input checked="" type="checkbox"/> 2. Table 501.2 (other facilities)
<input type="checkbox"/> 3. Other:	<input type="checkbox"/> 4. Other:	<input type="checkbox"/> c. increase in tank capacity	SHOW CALCULATIONS for other facilities
CAPACITY: <u>1000 GAL</u>	SIZE: <u>3300</u> sq. ft. <input type="checkbox"/> lin. ft.	<input type="checkbox"/> d. Filter on Tank Outlet	<u>(8) 1 BEDROOM APARTMENT UNITS AT 120 GPD/UNIT</u>
<u>(2000 TOTAL)</u>			<input type="checkbox"/> 3. Section 503.0 (meter readings) ATTACH WATER METER DATA
SOIL DATA & DESIGN CLASS	DISPOSAL FIELD SIZING	EFFLUENT/EJECTOR PUMP	LATITUDE AND LONGITUDE
PROFILE CONDITION DESIGN: <u>12 B</u>	<input type="checkbox"/> 1. Small—2.0 sq. ft. / gpd	<input checked="" type="checkbox"/> 1. Not Required	at center of disposal area
at Observation Hole # <u>TP6</u>	<input type="checkbox"/> 2. Medium—2.6 sq. ft. / gpd	<input type="checkbox"/> 2. May Be Required	Lat. <u>44</u> d <u>22</u> m <u>57.25</u> " N
Depth: <u>240"</u>	<input checked="" type="checkbox"/> 3. Medium—Large 3.3 sq. ft. / gpd	<input type="checkbox"/> 3. Required	Lon. <u>79</u> d <u>48</u> m <u>09.79</u> " W
of Most Limiting Soil Factor:	<input type="checkbox"/> 4. Large—4.1 sq. ft. / gpd	Specify only for engineered systems:	if g.p.s. state margin of error: <u>10</u>
	<input type="checkbox"/> 5. Extra Large—5.0 sq. ft. / gpd	DOSE: _____ gallons	

SITE EVALUATOR STATEMENT			
I certify that on <u>9/20/09</u> (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).			
Site Evaluator Signature: <u>STEPHEN H. HOWELL</u>		SE #: <u>#213</u>	Date: <u>9/23/09</u>
Site Evaluator Name Printed: <u>STEPHEN H. HOWELL</u>		Telephone Number: <u>(207) 848-5714</u>	E-mail Address: <u>showell@swcole.com</u>

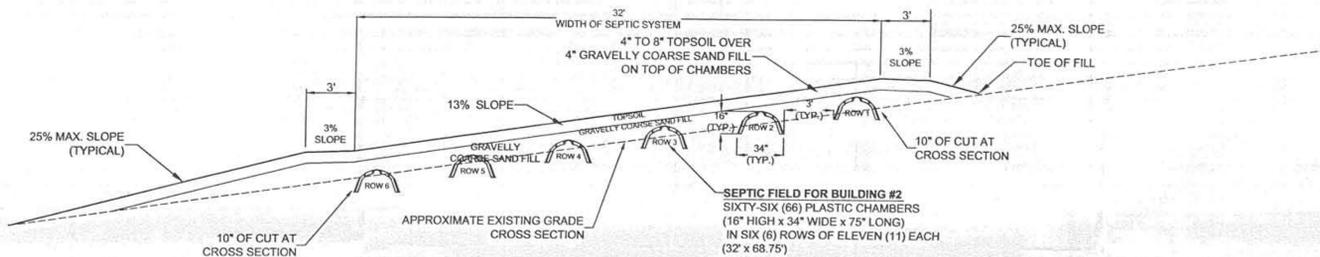
BUILDING #1 - SEPTIC FIELD



ROW #	BOTTOM OF CHAMBER *	TOP OF CHAMBER *
1	-52"	-36"
2	-64"	-48"
3	-76"	-60"
4	-88"	-72"
5	-100"	-84"
6	-112"	-96"

- INCHES BELOW TBM
* BASED ON 16" HIGH CHAMBERS
NOTE: TBM#1; NAIL AND FLAGGING 28" UP A 2"Ø WHITE PINE TREE, ASSUMED ELEVATION = 0'

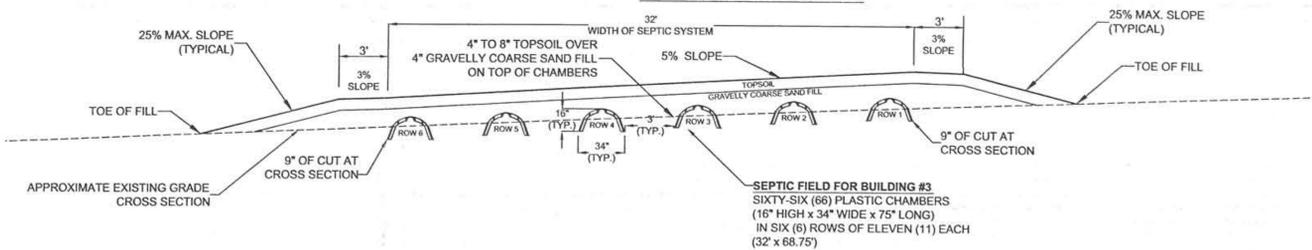
BUILDING #2 - SEPTIC FIELD



ROW #	BOTTOM OF CHAMBER *	TOP OF CHAMBER *
1	-78"	-62"
2	-89"	-73"
3	-100"	-84"
4	-111"	-95"
5	-122"	-106"
6	-133"	-117"

- INCHES BELOW TBM
* BASED ON 16" HIGH CHAMBERS
NOTE: TBM#6; NAIL AND FLAGGING 3" UP A 5"Ø WHITE BIRCH TREE, ASSUMED ELEVATION = 0'

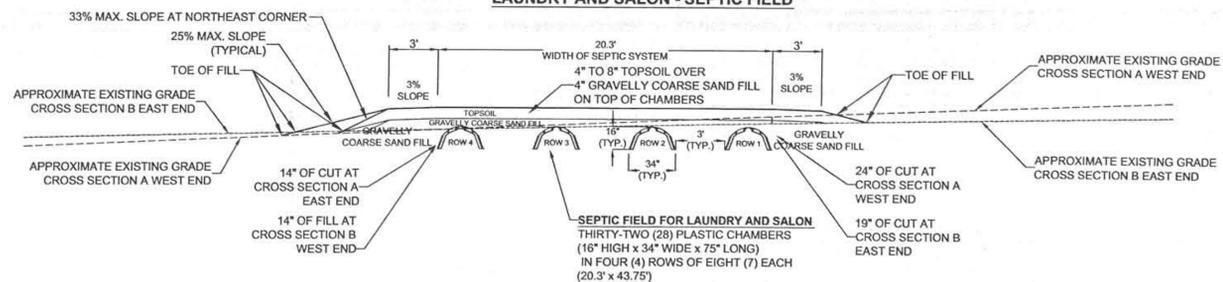
BUILDING #3 - SEPTIC FIELD



ROW #	BOTTOM OF CHAMBER *	TOP OF CHAMBER *
1	-42"	-26"
2	-45"	-29"
3	-48"	-32"
4	-51"	-35"
5	-54"	-38"
6	-57"	-41"

- INCHES BELOW TBM
* BASED ON 16" HIGH CHAMBERS
NOTE: TBM#4; NAIL AND FLAGGING 12" UP A 4"Ø CHERRY TREE, ASSUMED ELEVATION = 0'
TBM#5; NAIL AND FLAGGING 12" UP A 6"Ø POPLAR TREE, ASSUMED ELEVATION = 0'

LAUNDRY AND SALON - SEPTIC FIELD



ROW #	BOTTOM OF CHAMBER *	TOP OF CHAMBER *
ALL	-61"	-45"

- INCHES BELOW TBM
* BASED ON 16" HIGH CHAMBERS
NOTE: TBM#3; NAIL AND FLAGGING 36" UP A NET&T POLE, NO. 35.1/611.7, ASSUMED ELEVATION = 0'

NOTES:

- LIME, FERTILIZE, SEED AND MULCH ALL DISTURBED AREAS.
- CHAMBERS ARE TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" IN 100'.
- DIVERT ALL SURFACE RUNOFF AND ROOF RUNOFF AWAY FROM THE LEACHFIELDS.
- SCARIFY EXISTING SOIL SURFACE UNDER CHAMBERS AND FILL EXTENSIONS AND MIX GRAVELLY COARSE SAND FILL INTO THE UPPER 6" OF SOIL.
- PROPERLY PROTECT ALL PIPES, TANKS AND CHAMBERS FROM FREEZING OR CRUSHING ESPECIALLY UNDER TRAFFIC AREAS.
- INSTALL RISERS FOR TANK ACCESS AS NECESSARY.
- ALL PIPES TO BE 4" SCH40 SOLID PVC UNLESS OTHERWISE NOTED.
- CONTRACTOR TO VERIFY PROPERTY LINES AND SETBACKS PRIOR TO CONSTRUCTION.
- CONTRACTOR TO VERIFY LOCATIONS OF SEPTIC TANKS PRIOR TO CONSTRUCTION. ALL SEPTIC TANKS TO FITTED WITH A300 ZABEL FILTERS OR EQUIVALENT PRODUCT.
- WHERE EXISTING TANKS ARE REPLACED INSTALL RISERS, INSTALL A300 ZABEL FILTERS, AND USE HEAVY DUTY ONE PIECE TANK.
- PROPERLY CLEAN ZABEL A300 FILTER AND PUMP AND MAINTAIN TANKS AS RECOMMENDED BY THE MANUFACTURER OR DIVISION OF HEALTH ENGINEERING.
- S.W. COLE ENGINEERING, INC. DID NOT VERIFY LOCATION OF UNDERGROUND UTILITIES. IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATING CONTRACTOR BE CONTACTED TO LOCATE UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.



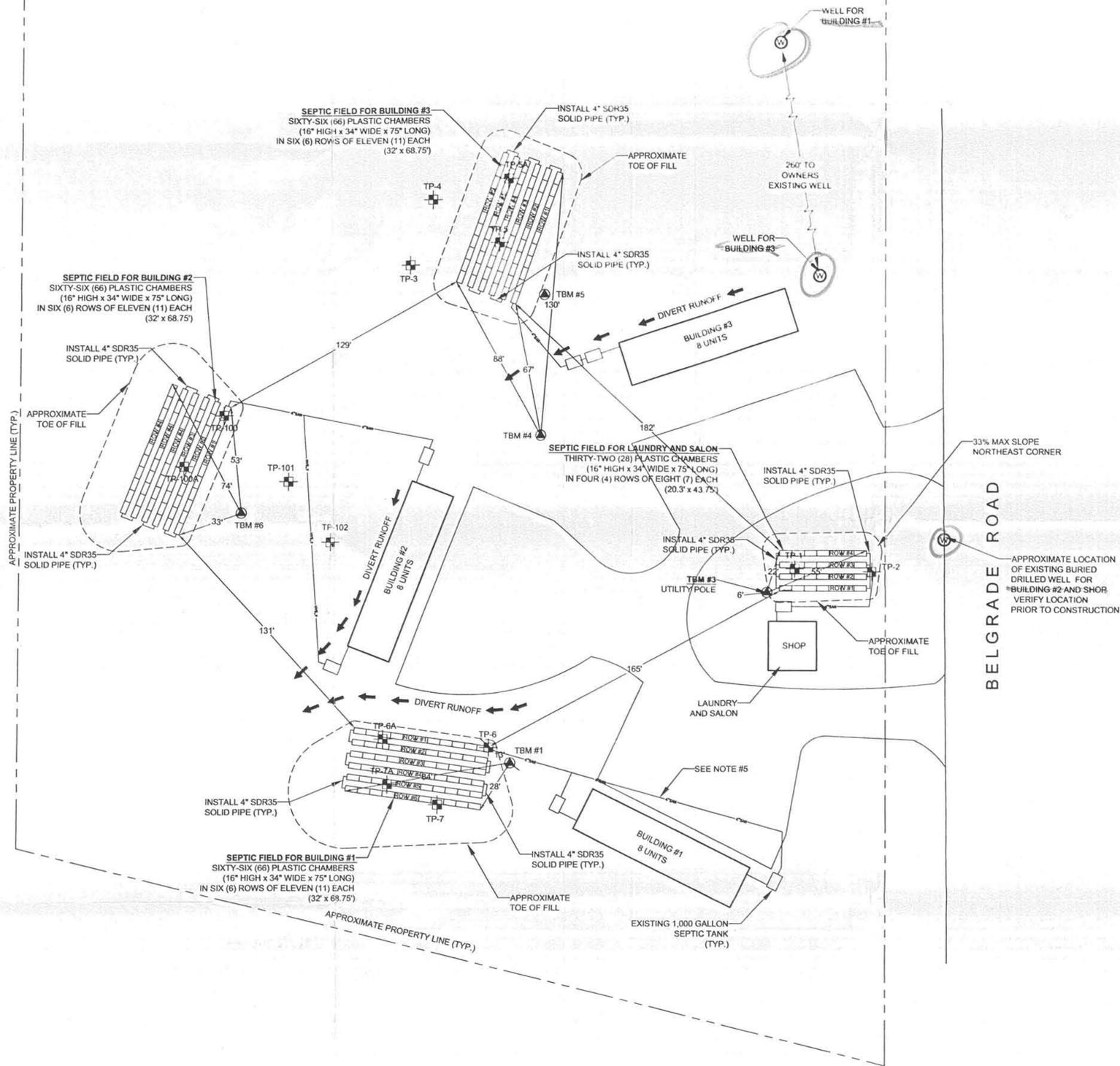
SIDNEY H. GELLER TRUST
CROSS SECTIONS
CIVIC CENTER DRIVE APARTMENTS
BELGRADE ROAD
AUGUSTA, MAINE

Revised 10/02/09

Job No. 09-0680
Date: 09/28/09

Scale 1" = 5'
Sheet 2

R:\2009\09-0680\09-0680-Septic Design.dwg, Cross Sections, 10/2/2009 8:27:19 AM, dmy, Bangor Design, Inc. 500.ppt, Overlaid, Auto D (AutoCAD), 1:1



NOTES:

1. LIME, FERTILIZE, SEED AND MULCH ALL DISTURBED AREAS.
2. CHAMBERS ARE TO BE LEVEL WITH A MAXIMUM GRADE TOLERANCE OF 1" IN 100'.
3. DIVERT ALL SURFACE RUNOFF AND ROOF RUNOFF AWAY FROM THE LEACHFIELDS.
4. SCARIFY EXISTING SOIL SURFACE UNDER CHAMBERS AND FILL EXTENSIONS AND MIX GRAVELLY COARSE SAND FILL INTO THE UPPER 6" OF SOIL.
5. PROPERLY PROTECT ALL PIPES, TANKS AND CHAMBERS FROM FREEZING OR CRUSHING ESPECIALLY UNDER TRAFFIC AREAS.
6. INSTALL RISERS FOR TANK ACCESS AS NECESSARY.
7. ALL PIPES TO BE 4" SCH40 SOLID PVC UNLESS OTHERWISE NOTED.
8. CONTRACTOR TO VERIFY PROPERTY LINES AND SETBACKS PRIOR TO CONSTRUCTION.
9. CONTRACTOR TO VERIFY LOCATIONS OF SEPTIC TANKS PRIOR TO CONSTRUCTION. ALL SEPTIC TANKS TO FITTED WITH A300 ZABEL FILTERS OR EQUIVALENT PRODUCT.
10. WHERE EXISTING TANKS ARE REPLACED INSTALL RISERS, INSTALL A300 ZABEL FILTERS, AND USE HEAVY DUTY ONE PIECE TANK.
11. PROPERLY CLEAN ZABEL A300 FILTER AND PUMP AND MAINTAIN TANKS AS RECOMMENDED BY THE MANUFACTURER OR DIVISION OF HEALTH ENGINEERING.
12. S.W. COLE ENGINEERING, INC. DID NOT VERIFY LOCATION OF UNDERGROUND UTILITIES. IT IS RECOMMENDED THAT A PRIVATE UTILITY LOCATING CONTRACTOR BE CONTACTED TO LOCATE UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

LEGEND

-  APPROXIMATE TEST PIT LOCATION
-  APPROXIMATE LOCATION OF EXISTING 1,000 GALLON SEPTIC TANK



SIDNEY H. GELLER TRUST
SITE PLAN
 CIVIC CENTER DRIVE APARTMENTS
 BELGRADE ROAD
 AUGUSTA, MAINE

Revised
 10/02/09

Job No. 09-0680
 Date: 09/28/09

Scale 1" = 30'
 Sheet 1

1-51
 820 Civic Center Drive