Pager 821-1873 Cody Copy

JOB NO. 02-150

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	AUGUSTA
Street or Road	RIVERSIDE DRIVE
Subdivision Lot #	O'CONNOR REALTY

OWNER/APPLICANT INFORMATION

Name (last, first, MI): C.H. STEVENSON, INC. ☐ Owner ■ Applicant

Mailing Address Of ☐ Owner ■ Applicant: P.O. BOX 37, WAYNE, ME 04284

Daytime Tel. #: 685-3600

Owner or Applicant Statement

I state 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.

Signature of Owner or Applicant — Date: 9/10/02

>> Caution: Permit Required - Attach in Space Below <<

AUGUSTA 4948 TOWN COPY

Date Permit Issued: 9-12-02 $ 120.00 ☐ If Double Fee Charged

Local Plumbing Inspector Signature — L.P.I. # 828

Municipal Tax Map # 6 Block # - Lot # P/O 55

TO BE COMPLETED BY APPLICANT

Caution: Inspection Required

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

Local Plumbing Inspector's Signature — (1st) Date Approved — (2nd) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION

1. ■ First Time System
2. ☐ Replacement System
   Type Replaced: _____
   Year Installed: _____
3. ☐ Expanded System
   a. ☐ Minor Expansion
   b. ☐ Major Expansion
4. ☐ Experimental System
5. ☐ Seasonal Conversion

THIS APPLICATION REQUIRES

1. ☐ No Rule Variance
2. ■ First Time System Variance
   ■ Local Plumbing Inspector approval
   ☐ State & Local Plumbing Inspector approval
3. ☐ Replacement System Variance
   ☐ Local Plumbing Inspector approval
   ☐ State & Local Plumbing Inspector approval
4. ☐ Minimum Lot Size Variance
5. ☐ Seasonal Conversion Approval

DISPOSAL SYSTEM COMPONENT(S)

1. ■ Complete Non-Engineered System
2. ☐ Primitive System (graywater & alt. 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:

SIZE OF PROPERTY

10 +/- ☐ sq. ft. ■ acres

SHORELAND ZONING

☐ Yes ■ No

DISPOSAL SYSTEM TO SERVE:

1. ☐ Single Family Dwelling Unit, No. of Bedrooms: N/A
2. ☐ Multiple Family Dwelling, No. of Units: _____
3. ■ Other: AUTO DETAIL CENTER & 2 BATHROOMS (specify)

Current Use ☐ Seasonal ☐ Year Round ■ Undeveloped

TYPE OF WATER SUPPLY

1. ■ Drilled Well 2. ☐ Dug Well 3. ☐ Private
4. ☐ Public 5. ☐ Other:

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK

1. ■ Concrete
   a. ■ Regular, or
   b. ■ Low Profile (as required)
2. ☐ Plastic
3. ☐ Other _____

CAPACITY 2-1,000 gallons

DISPOSAL FIELD TYPE / SIZE

1. ☐ Stone Bed 2. ☐ Stone Trench
3. ■ Proprietary Device 3,000 Sq.Ft.
   a. ☐ Cluster Array c. ■ Linear
   b. ☐ Regular Load d. ■ H-20 Load
4. ■ Other ENVIRO SEPTIC PIPE

SIZE 600 ☐ sq. ft. ■ lin. ft.

GARBAGE DISPOSAL UNIT

1. ■ No P/O 3. ☐ Maybe
2. ☐ Yes >>Specify one below:
   a. ☐ Multi-compartment tank
   b. ☐ Tank in series
   c. ☐ Increase in Tank Capacity
   d. ☐ Filter on Tank Outlet

DESIGN FLOW

725 gallons per day

BASED ON:

1. ☐ Table 501.1 (dwelling unit(s)
2. ■ Table 501.2 (other facilities)

SHOW CALCULATIONS

--FOR OTHER FACILITIES--

6 EMPLOYEES PLUS CAR RECON. COMPLEX (PER OWNER 635 GPD)

6 x 15 + 635 = 725 GPD

3. ☐ Section 503.0 (meter readings)

ATTACH WATER-METER DATA

SOIL DATA & DESIGN CLASS

PROFILE	CONDITION	DESIGN
8	D	3

at Observation Hole # 1

Depth -10

OF MOST LIMITING SOIL FACTOR

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 or experimental systems:

Dose: _____ Gallons

SITE EVALUATOR'S STATEMENT

I Certify that on 8-31-2002 (date) I completed a site evaluation on this property and state that the data reported is 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 — SE # 88

Site Evaluator Name Printed: GEORGE A. COURBRON — Telephone #: 946-4480 — Date: 8-31-2002

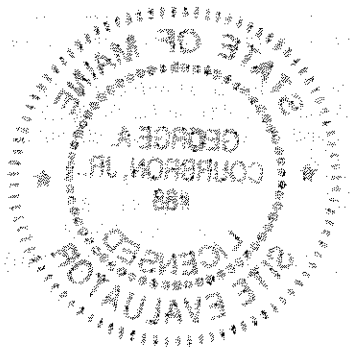
USE ONLY COPIES STAMPED WITH SITE EVALUATOR'S SEAL IN BLUE INK FOR CONSTRUCTION PERMITS

STATE OF MAINE GEORGE A. COURBRON, JR. #88 SITE EVALUATOR

REV. 9-9-2002

HHE-200 Rev. 8/01 (COMPUTER GENERATED)

NOTE: Changes to or deviations from this design shall be confirmed by the Site Evaluator. 10 CMR 241 Effective 1/1/1999)


STATE OF MAINE
GEORGE A.
COURBERON, JR.
#88
LICENSED
SITE EVALUATOR

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation	Street, Road, Subdivision Lot No.	Owner's Name
AUGUSTA	RIVERSIDE DRIVE	O'CONNOR REALTY

SITE PLAN

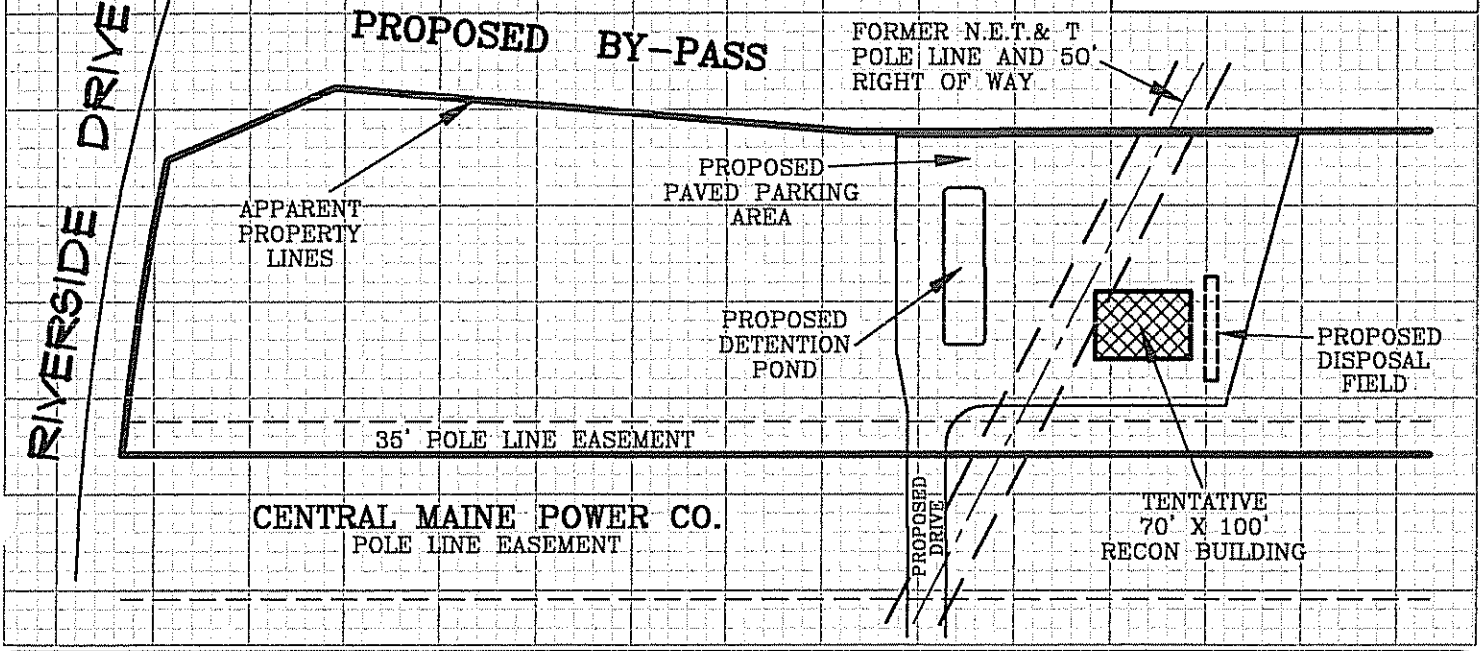
Scale 1"= 200 FT.

NOTE: LOCATION OF SEPTIC SYSTEM HAS BEEN SITED ON THE PROPERTY BASED UPON BOUNDARY LINE/PROPERTY INFORMATION PROVIDED BY OWNER OR OWNER'S AGENT. NO INDEPENDENT VERIFICATION OF BOUNDARY LINE LOCATIONS HAS BEEN MADE BY THIS SITE EVALUATOR. PROPERTY LINES SHOWN SHALL BE VERIFIED BY OWNER/INSTALLER PRIOR TO CONSTRUCTION OF SYSTEM. ANY DISCREPANCY FROM THAT SHOWN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN SITE EVALUATOR PRIOR TO BEGINNING ANY WORK.

NOTE: PLAN REFERENCE: "SITE PLAN" O'CONNOR REALTY, RIVERSIDE DRIVE, AUGUSTA, MAINE DATED AUGUST 2, 2002 BY THAYER ENGINEERING COMPANY.

SITE LOCATION PLAN
(Attach map from Maine Atlas for First Time System Variance)

SEE ATTACHED



SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation holes Shown Above)

Observation Hole No. TB 1 ☐ Test Pit ■ Boring

1 " Depth of Organic Horizon Above Mineral Soil

Depth below mineral soil surface (inches)	Texture	Consistency	Color	Mottling
0–6	FINE SANDY LOAM	FRIABLE	BROWN	
6–12			YELLOWISH BROWN	
12–20	SILT	FIRM	OLIVE	
20–30	LOAM		GRAY	
30–40				
40–50				

Soil Classification		Slope	Limiting Factor	
8 D	3	10	-10"	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth
Profile	Condition	Percent	Depth	

Observation Hole No. _____ ☐ Test Pit ☐ Boring

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0–6				
6–12				
12–20				
20–30				
30–40				
40–50				

STATE OF MAINE
GEORGE A. COURBRON, JR.
#88
LICENSED SITE EVALUATOR

Soil Classification		Slope	Limiting Factor	
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Site Evaluator Signature	SE #	Date
George A. Courbron	88	8-31-2002

10 CMR 241 (JUNE 1, 1999) REV. 9-11-2002

STATE OF MAINE
GEORGE A.
CLOUDMAN JR.
#108
LICENSED
SITE EVALUATOR

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation	Street, Road, Subdivision Lot No.	Owner's Name
AUGUSTA	RIVERSIDE DRIVE	O'CONNOR REALTY

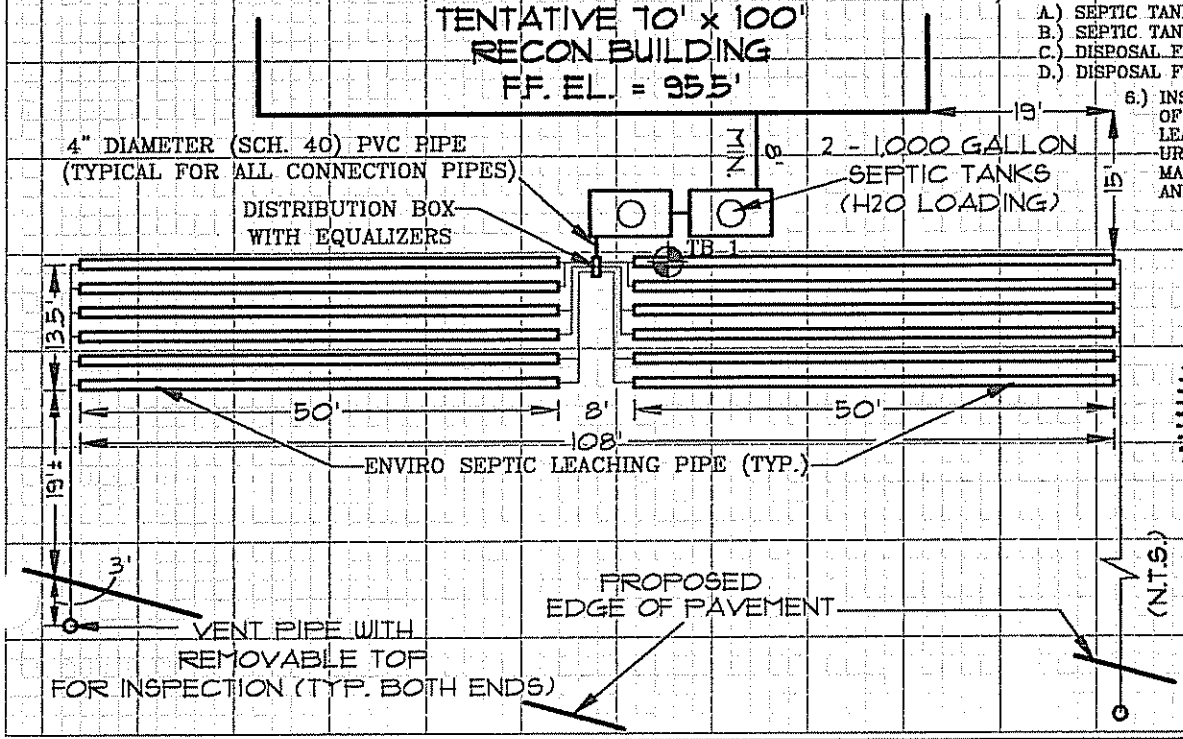
SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 Ft.

SPEACIAL NOTE:

REVISIONS WERE MADE AT THE APPLICANTS REQUEST DUE TO RECENT SITE MODIFICATION THAT PRECLUDED ORIGINAL DESIGN PLACEMENT. BY THE ACCEPTANCE AND USE OF THIS REVISED DESIGN THE APPLICANT HAS AGREED TO HOLD THIS DESIGN SITE EVALUATOR HARMLESS FOR THE COST OF A REPLACEMENT OR EXPANSION SYSTEM IN THE EVENT OF PREMATURE FAILURE OF THIS REVISED SYSTEM DESIGN.

NOTES:
1.) REFER TO GENERAL NOTES ON THE BACKSIDE OF THIS PAGE
2.) ALL DISTURBED AREAS AND FINISHED SURFACE SHALL BE LOAMED, SEEDED, AND MULCHED TO PREVENT EROSION
3.) SEPTIC TANK SHALL BE SEALED TO PREVENT GROUND WATER OR SURFACE WATER INFILTRATION INTO SYSTEM
4.) PROVIDE SURFACE WATER DRAINAGE (FLOW) AWAY FROM SYSTEM
5.) MINIMUM SEPARATION DISTANCES:
A.) SEPTIC TANK FROM BUILDING 8 FEET
B.) SEPTIC TANK FROM WELL 100 FEET
C.) DISPOSAL FIELD FROM HOUSE 20 FEET
D.) DISPOSAL FIELD FROM WELL 100 FEET
6.) INSTALL 600 LINEAR FEET OF 10" "ENVIRO SEPTIC" LEACHING PIPE IN CONFIGURATION SHOWN AND AS PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS

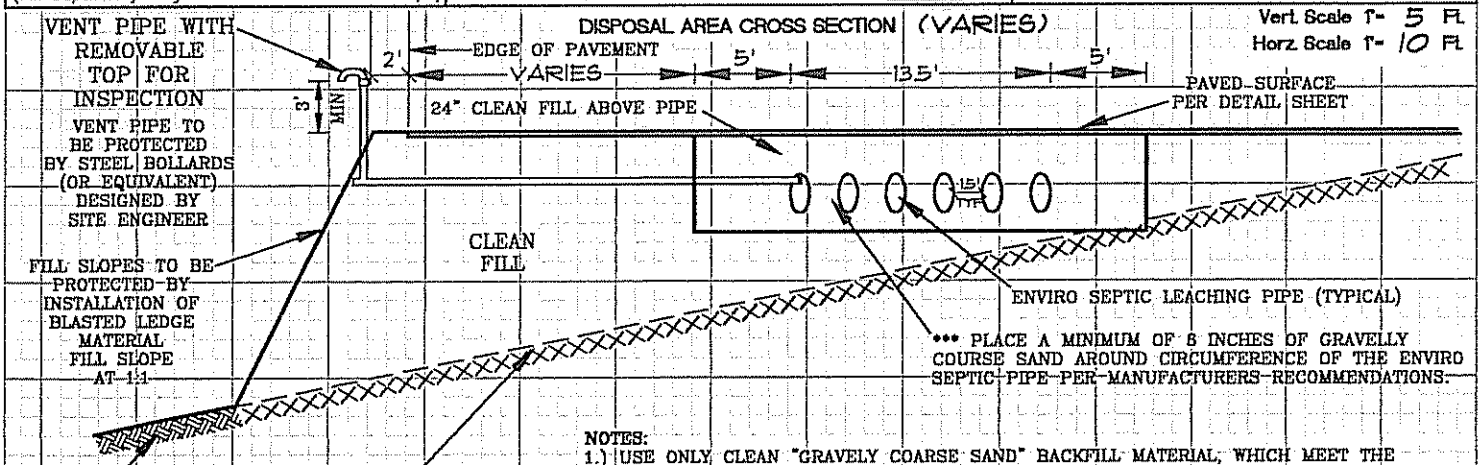


STATE OF MAINE
GEORGE A. COURBRON, JR.
#38
LICENSED SITE EVALUATOR

FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	24 "	Finished Grade Elevation	95 "	Location & Description SEE SITE PLAN REFERENCED ON PAGE 2
Depth of Fill (Downslope)	70 "	Top of Distribution Pipe or Proprietary Device	93 "	
(Fill Depth May Vary Due To Uneven Ground Slope)		Bottom of Disposal Area	92 "	Reference Elevation 0 "

DISPOSAL AREA CROSS SECTION (VARIES)

Vert. Scale 1" = 5 Ft.
Horz. Scale 1" = 10 Ft.



NOTES:
1.) USE ONLY CLEAN "GRAVELY COARSE SAND" BACKFILL MATERIAL, WHICH MEET THE BACKFILL STANDARDS OF SECTION 804.0 OF THE "RULES", FREE OF FOREIGN MATERIALS (ROOTS, LARGE ROCKS, ETC.) PLACED IN 8" LIFTS AND COMPACTED AS PLACED.
2.) REMOVE ALL ORGANIC MATERIALS (ROOTS, STUMPS, AND LARGE ROCKS) UNDER SYSTEM AND FILL EXTENSIONS AND PREPARE TRANSITION HORIZON BY PLACING A MINIMUM OF 4" OF CLEAN FILL OVER ORIGINAL SOIL AND MIX (BY PLOWING, DISKING OR ROTOTILLING) INTO ORIGINAL SOIL PER SECTION 801.5 OF THE "RULES".

Site Evaluator Signature	SE #	Date	
George A Courbron	88	8-31-2002	Page 3 of ~~3~~ 4 HHE-200 Rev. 6/01 (COMPUTER GENERATED)

General Notes

1.) The most recent revision of the Maine Subsurface Wastewater Disposal Rules ("Rules") is hereby made a part of this HHE-200 Form and shall be consulted by the disposal system installer pertinent to the installation of the disposal system.

2.) This HHE-200 is intended to represent facts pertinent to the "Rules" only. The owner and applicant must check both local and state ordinances, and regulations regarding other building regulations (i.e. zoning, wetlands, building codes, minimum lot size, ect.) before considering this an approved or buildable site. I can provide you with other local, state and federal regulatory investigation of pertinent land use regulations, affecting the suitability or buildability of the site, at an additional cost, per your request.

3.) All information shown on this form relating to the property lines and subsurface structures (such as but not limited to: water lines, septic tanks, cess pools, cellar drains, utility lines, ect.) are notes, plotted or left off as not affecting the system based on information provided by the owner or his agent. It is the responsibility of the owner or his agent to confirm, BEFORE CONSTRUCTION BEGINS, the above and/or any other features, which may affect (or be adversely affected by) the installation of the system.

4.) When the gravity system is proposed, BEFORE CONSTRUCTION BEGINS, the disposal system installer and building contractor shall review the relative elevation of all points given on this HHE-200 Form and the elevation of the existing or proposed building drain and septic tank openings for compatibility to the minimum code pitch requirements. Any questions that arise should be directed to the local plumbing inspector or myself. When a pump system is installed, provisions shall be made to keep the tank and lift station outlets above the high water table. An alarm device warning of pump failure should be considered. At present, venting of the pumped system is optional.

5.) If the use of a laundry machine becomes excessive, a separate laundry bed should be designed and installed. A lint-catching device should be installed for the washing machine (if it doesn't have one) and cleaned frequently. A distribution box has been shown in the design and is intended to offer an inspection port whereby the owner can check for excessive lint or grease buildup before damage to the system is done. Inspection should be frequent. This system has not been designed or sized to accommodate a garbage disposal. If one is to be used, you must you must first notify me so that I can increase the disposal size of the septic tank capacity.

6.) The actual water flow or number of bedrooms shall not extend the design criteria indicated on the HHE-200 form without a re-evaluation of the system.

7.) Construction details Chapter 8 of the "Rules" in general: (A) The vegetation in the proposed disposal area and fill extensions shall be removed and the ground surface scarified (rotor tilled) to minimize glazing of original soils. (B) The bottom of the disposal area and distribution line, shall be level and with maximum grade tolerance of 1 inch per 100 feet. (C) Backfill shall be clean, gravely, coarse sand, and free of foreign material placed in eight inch lifts and compacted as placed. (D) The finish grade of the backfill over the disposal area shall extend 3 to 5 feet beyond the edge of the disposal area. At that point, the fill shall be sloped at a uniform grade of no greater that 25% (4:1) to the original ground. (E) The land adjacent to the disposal area shall be graded to prevent both the accumulation of surface water on the disposal area and the flow of surface water across the disposal area. (F) The finished disposal area and fill extensions shall be seeded to prevent erosion: (a) Grass, clover, trefoil vetch, perennial wildflowers or other herbaceous perennials may be utilized for disposal area surfaces. Woody shrubs are unacceptable. (b)Woody shrubs in conjunction with a hardy perennial ground clover may be used on fill extensions only.

8.) The general setback distance between a well and a disposal system serving a single-family residence is 100 feet. The location of a new well that is within 100 feet of the proposed system may void this design. For additional setback requirements, see Chapter 7 of the "Rules".

9.) All construction shall be inspected by the local plumbing inspector (LPI) prior to backfilling. Backfill material shall comply with Chapter 8, Section 1205 of the "Rules".

10.) If the owner or installer has any questions, please do not hesitate to call at 946-4480.

Revised July 9, 2002

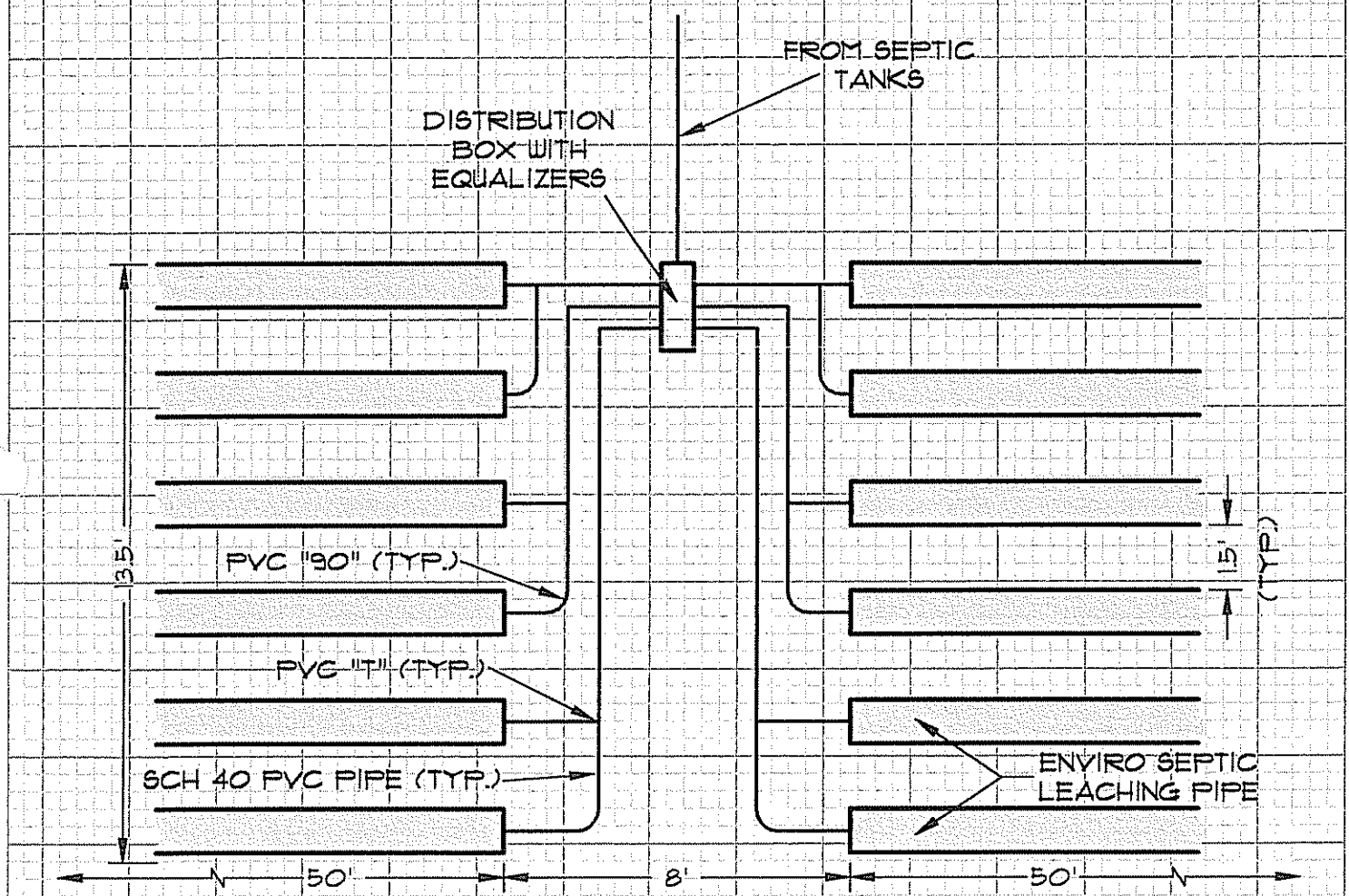
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation	Street, Road, Subdivision Lot No.	Owner's Name
AUGUSTA	RIVERSIDE DRIVE	O'CONNOR REALTY

SUBSURFACE WASTEWATER DISPOSAL PLAN
"DISTRIBUTION PIPE" LAYOUT PLAN

Scale 1" = 4 Ft.



STATE OF MAINE
GEORGE A. COURBRON, JR.
#88
LICENSED SITE EVALUATOR

Site Evaluator Signature	SE #	Date
	88	8-31-2002

10 CMR 241 (JUNE 1, 1999) REV. 9-11-2002

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

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Town, City, Plantation	Street, Road, Subdivision Lot No.	Owner's Name
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SITE PLAN

Scale 1" = 200 Ft.

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NOTE: PLAN REFERENCE: "SITE PLAN" O'CONNOR REALTY, RIVERSIDE DRIVE, AUGUSTA, MAINE DATED AUGUST 2, 2002 BY THAYER ENGINEERING COMPANY.

SITE LOCATION PLAN
(Attach map from Maine Atlas for First Time System Variance)

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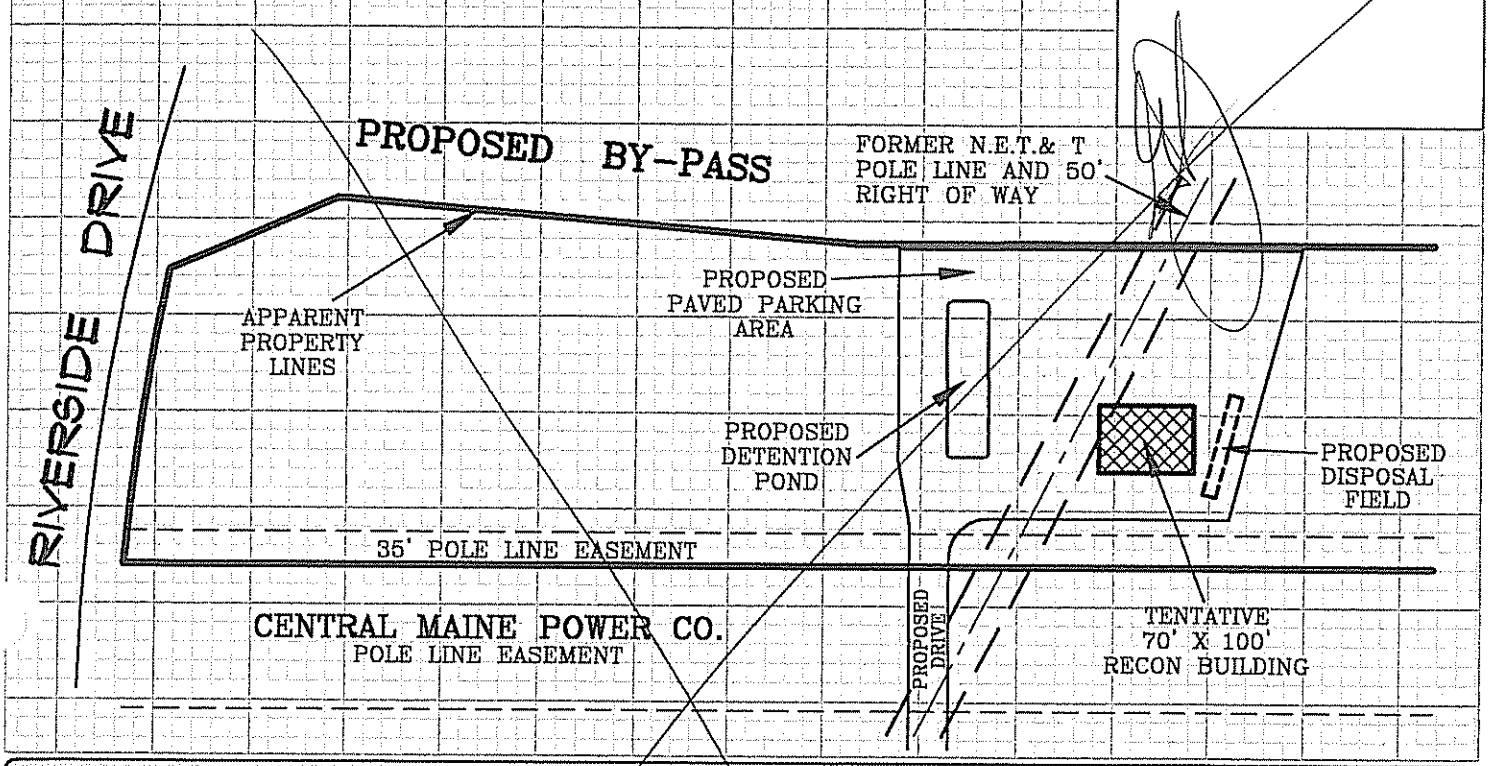

SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation holes Shown Above)

Observation Hole No. TB 1 ☐ Test Pit ■ Boring

1 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Texture	Consistency	Color	Mottling
FINE SANDY LOAM (0–12)	FRIABLE	BROWN (0–6); YELLOWISH BROWN (6–12)	
SILTY CLAY (20–30)	FIRM	OLIVE	
LOAM (30–50)		GRAY	

Soil Classification		Slope	Limiting Factor	
8 D	3	10	-10"	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth
Profile	Condition	Percent	Depth	

Observation Hole No. _____ ☐ Test Pit ☐ Boring

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Profile	Condition	Percent	Depth	

STATE OF MAINE
GEORGE A. COURBRON, JR.
#88
LICENSED SITE EVALUATOR

Site Evaluator Signature	SE #	Date
George A. Courbron	88	8-31-2002

STATE OF MAINE
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Town, City, Plantation	Street, Road, Subdivision Lot No.	Owner's Name
AUGUSTA	RIVERSIDE DRIVE	O'CONNOR REALTY

SUBSURFACE WASTEWATER DISPOSAL PLAN

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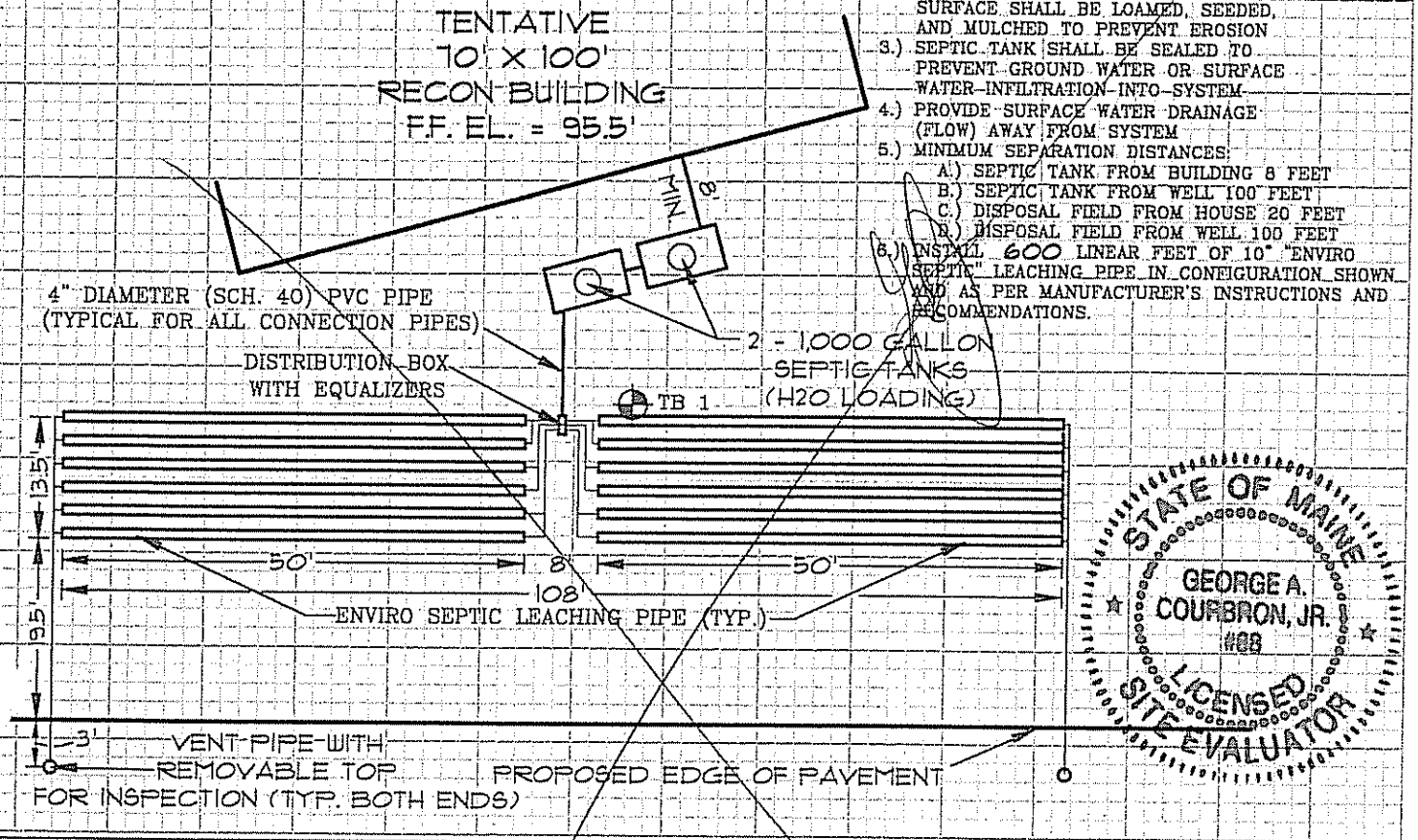

STATE OF MAINE
GEORGE A. COURBRON, JR.
#88
LICENSED SITE EVALUATOR

FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
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Depth of Fill (Downslope)	70 "	Top of Distribution Pipe or Proprietary Device	93 "	
(Fill Depth May Vary Due To Uneven Ground Slope)		Bottom of Disposal Area	92 "	Reference Elevation 0 "

DISPOSAL AREA CROSS SECTION

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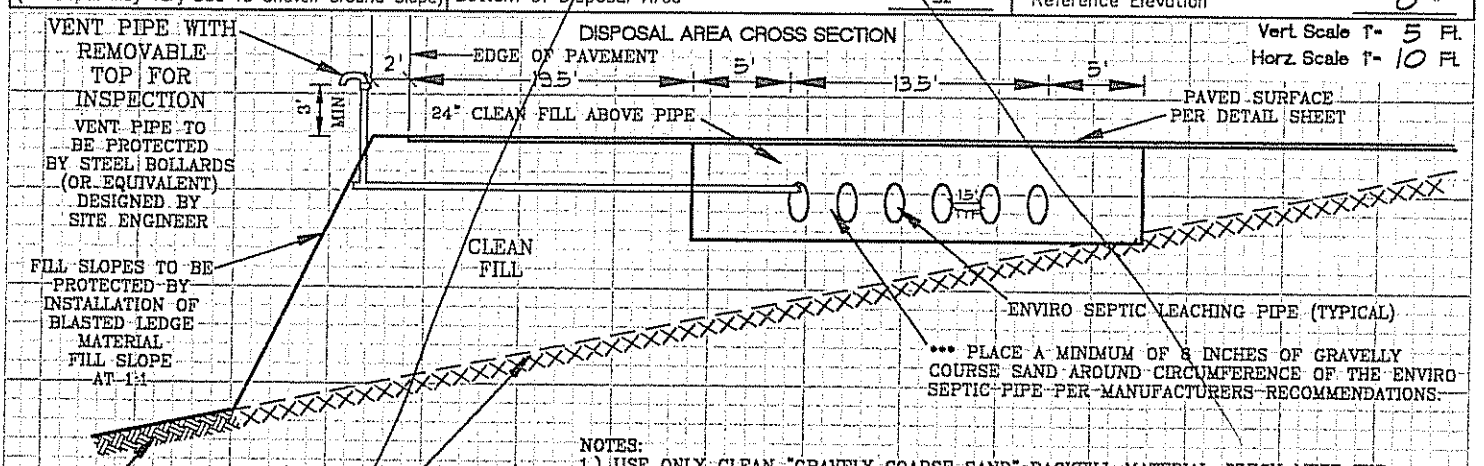

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Site Evaluator Signature	SE #	Date	
[signature]	88	8-31-2002	Page 3 of ~~3~~ 4 HHE-200 Rev. 6/01 (COMPUTER GENERATED)

General Notes

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5.) If the use of a laundry machine becomes excessive, a separate laundry bed should be designed and installed. A lint-catching device should be installed for the washing machine (if it doesn't have one) and cleaned frequently. A distribution box has been shown in the design and is intended to offer an inspection port whereby the owner can check for excessive lint or grease buildup before damage to the system is done. Inspection should be frequent. This system has not been designed or sized to accommodate a garbage disposal. If one is to be used, you must you must first notify me so that I can increase the disposal size of the septic tank capacity.

6.) The actual water flow or number of bedrooms shall not extend the design criteria indicated on the HHE-200 form without a re-evaluation of the system.

7.) All Construction shall conform to Chapter 8 of the "Rules" in general: (A) The vegetation in the proposed disposal area and fill extensions shall be removed and the ground surface scarified (rotor tilled) to minimize glazing of original soils. (B) The bottom of the disposal area and distribution line, shall be level and with maximum grade tolerance of 1 inch per 100 feet. (C) Backfill shall be clean, gravely, coarse sand, and free of foreign material placed in eight inch lifts and compacted as placed. (D) The finish grade of the backfill over the disposal area shall extend 3 to 5 feet beyond the edge of the disposal area. At that point, the fill shall be sloped at a uniform grade of no greater that 25% (4:1) to the original ground. (E) The land adjacent to the disposal area shall be graded to prevent both the accumulation of surface water on the disposal area and the flow of surface water across the disposal area. (F) The finished disposal area and fill extensions shall be seeded to prevent erosion: (a) Grass, clover, trefoil vetch, perennial wildflowers or other herbaceous perennials may be utilized for disposal area surfaces. Woody shrubs are unacceptable. (b)Woody shrubs in conjunction with a hardy perennial ground clover may be used on fill extensions only.

8.) The general setback distance between a well and a disposal system serving a single-family residence is 100 feet. The location of a new well that is within 100 feet of the proposed system may void this design. For additional setback requirements, see Chapter 7 of the "Rules".

9.) All construction shall be inspected by, the local plumbing inspector (LPI) according to section 111.0 of the "Rules" prior to backfilling. Backfill material shall comply with Chapter 8, Section 804 of the "Rules".

10.) If the owner or installer has any questions, please do not hesitate to call at 946-4480.

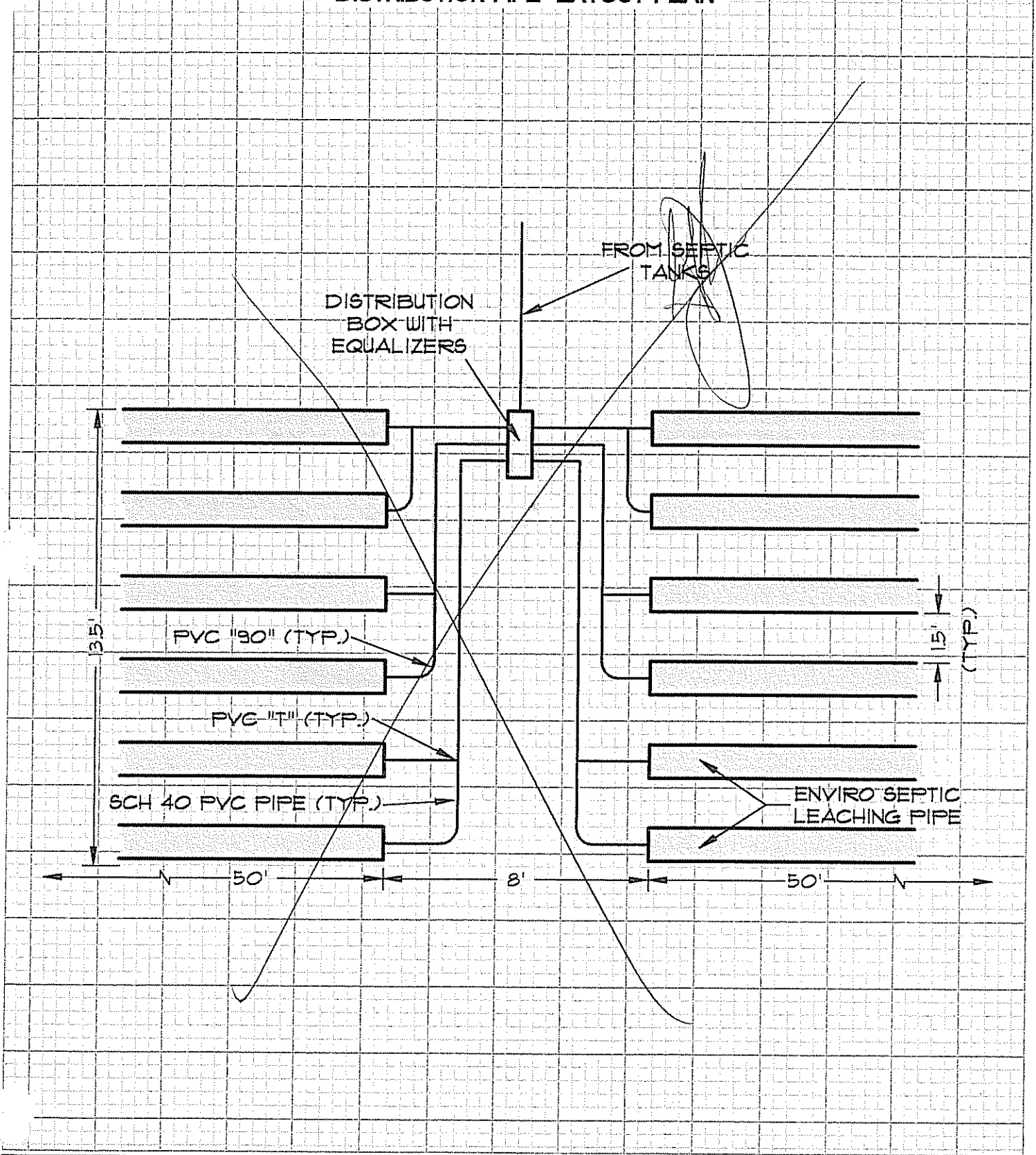
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation	Street, Road, Subdivision Lot No.	Owner's Name
AUGUSTA	RIVERSIDE DRIVE	O'CONNOR REALTY

SUBSURFACE WASTEWATER DISPOSAL PLAN
"DISTRIBUTION PIPE" LAYOUT PLAN

Scale 1"= 4 Ft.



Site Evaluator Signature	SE #	Date	
[signature]	88	8-31-2002	Page 4 of 4 HHE-200 Rev. 6/01 (COMPUTER GENERATED)

Water usage by Hayden Water District

5/6/02 — 9400 Gal.

2/4/02 — 100.00

11/08/01 — 9800

8/6/01 — 8300

5/7/01 — 9500

2/5/01 — 8300

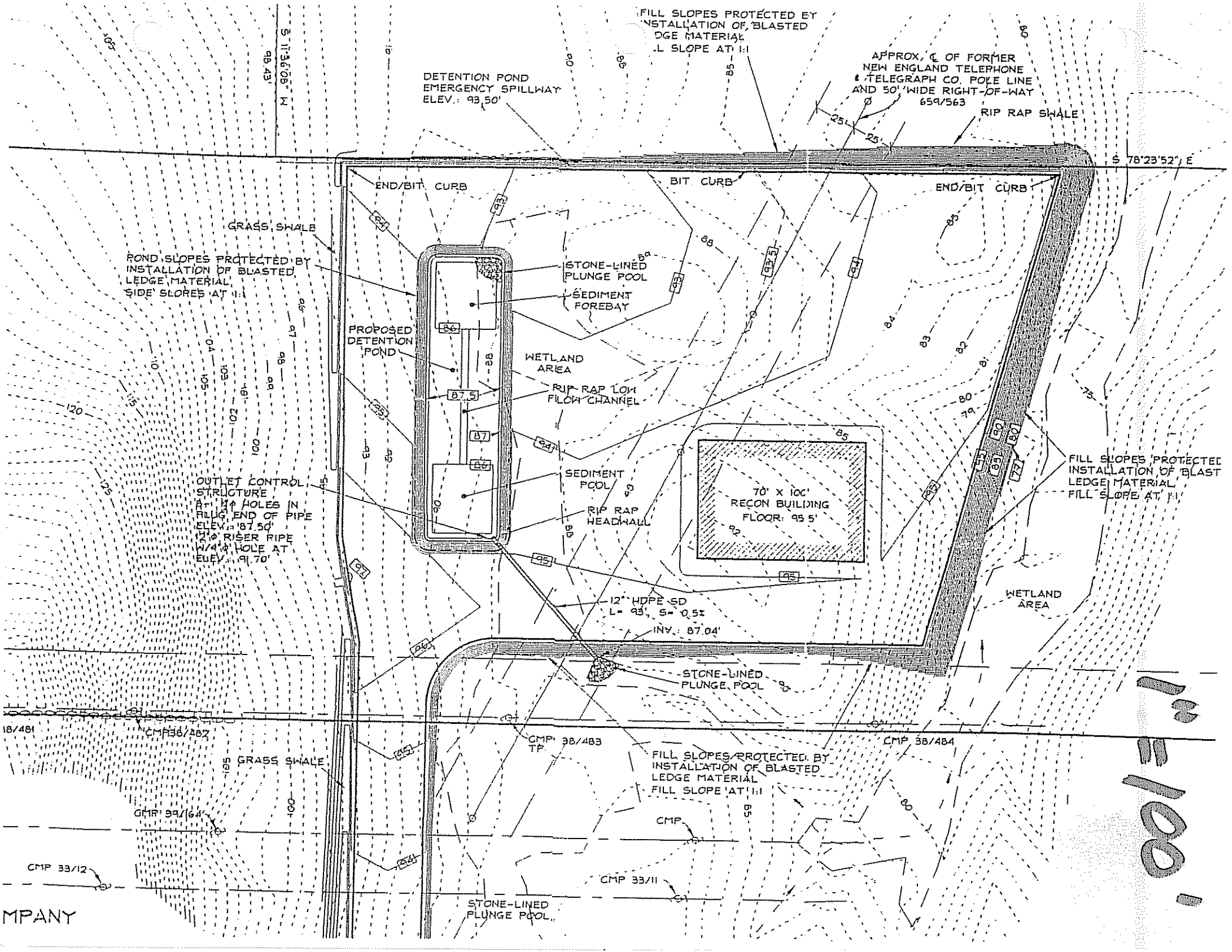
11/6/2000 — 8200

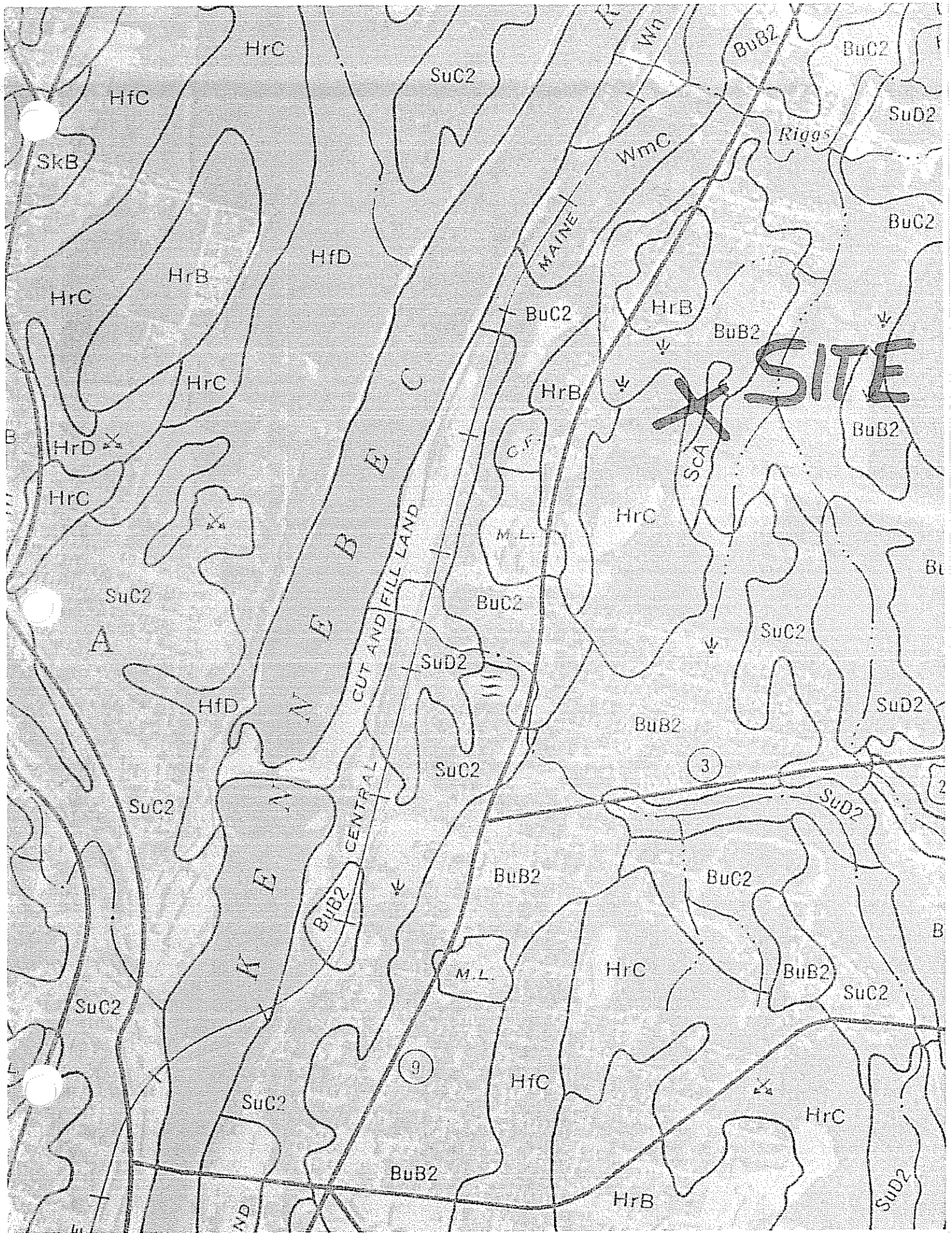
8/7/2000 — 7300

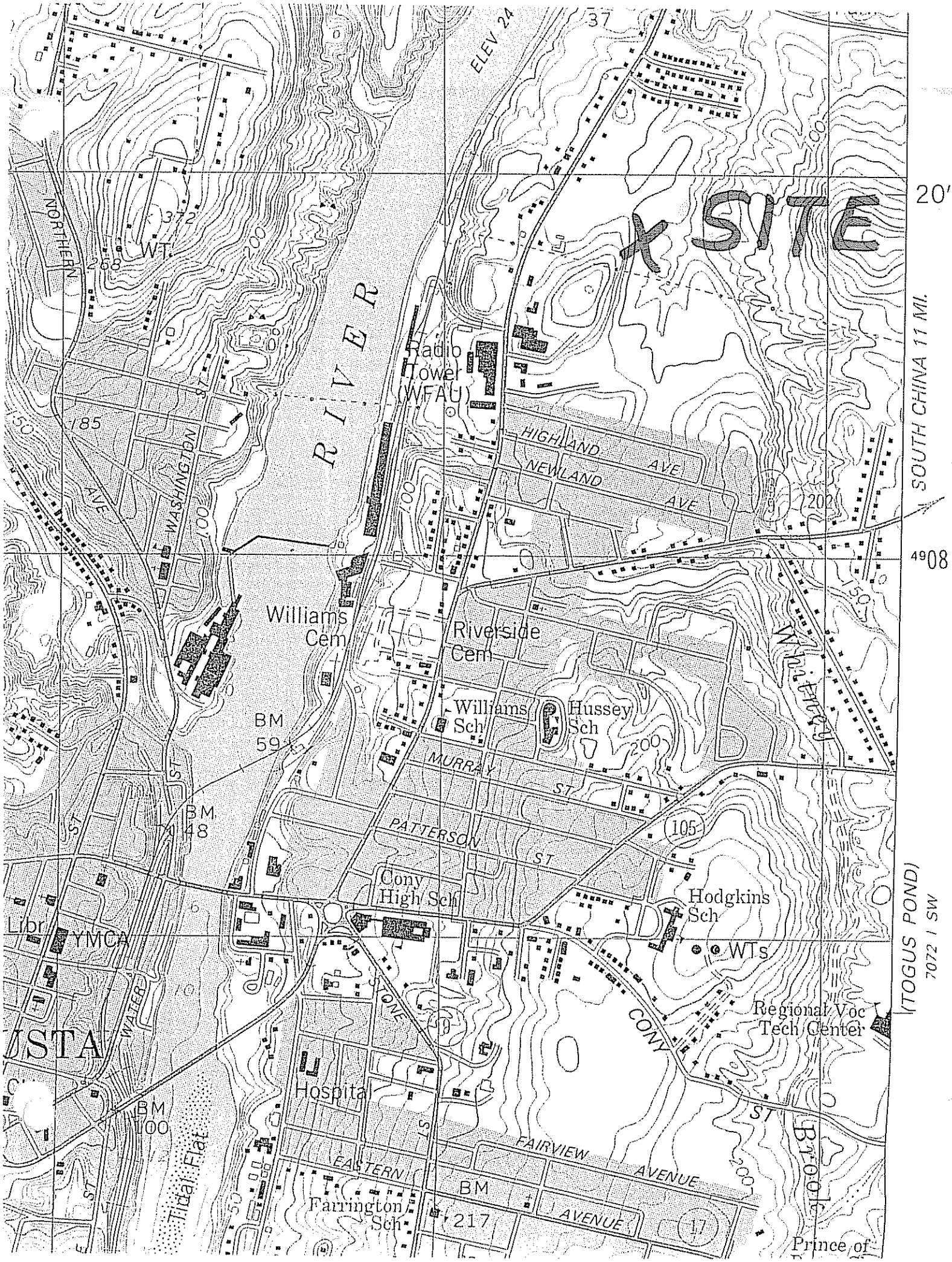
70800 Gal * 7.48 ÷ 730 =

529584 ÷ 730 = 725.457 gpd

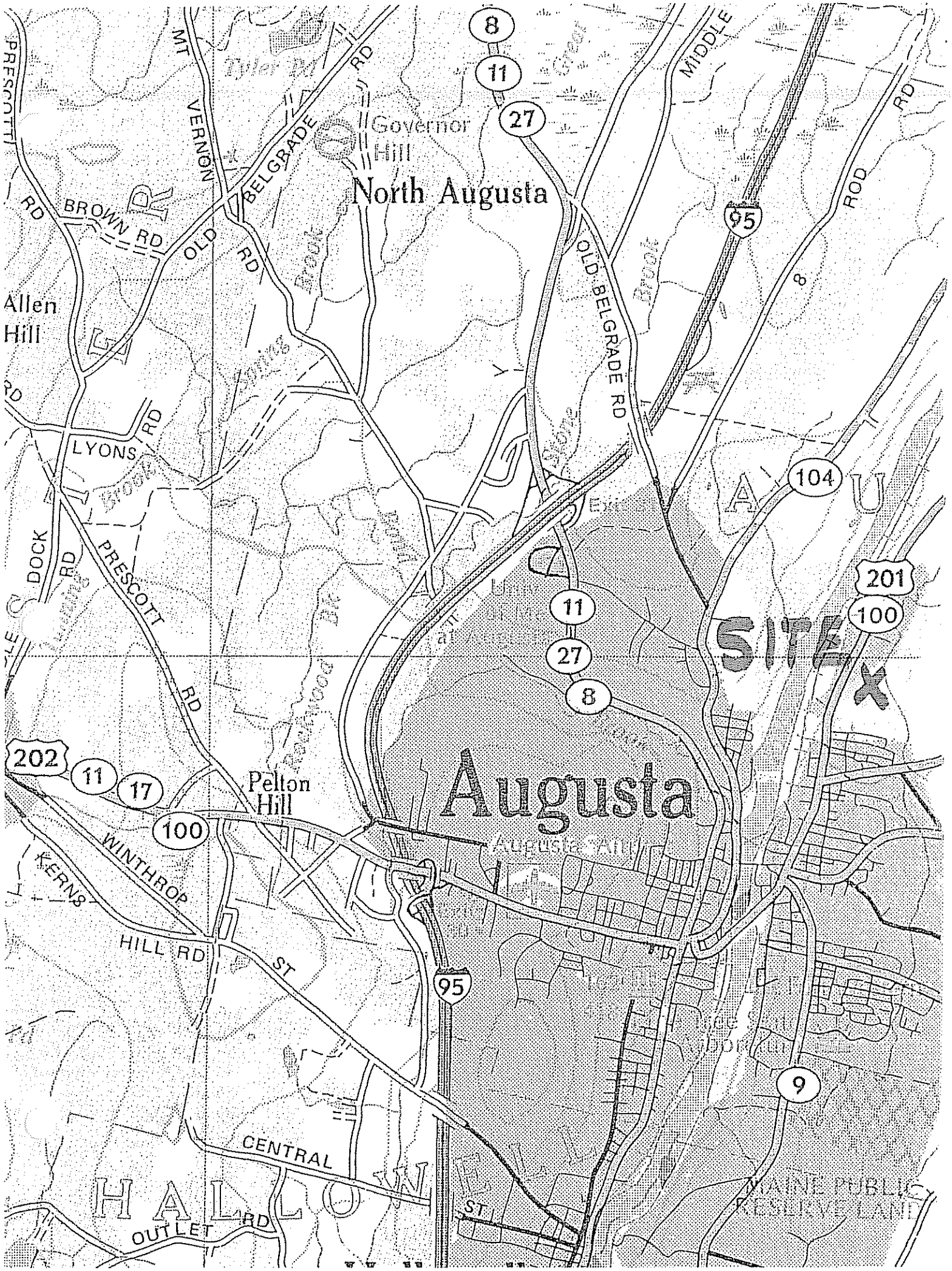
Harold


FILL SLOPES PROTECTED BY INSTALLATION OF BLASTED LEDGE MATERIAL FILL SLOPE AT 1:1
APPROX. ℄ OF FORMER NEW ENGLAND TELEPHONE & TELEGRAPH CO. POLE LINE AND 50' WIDE RIGHT-OF-WAY 659/563
RIP RAP SWALE
S 78°23'52" E
S 11°36'08" W
98.43'
DETENTION POND EMERGENCY SPILLWAY ELEV.: 93.50'
END/BIT. CURB
BIT. CURB
END/BIT. CURB
GRASS SWALE
POND SLOPES PROTECTED BY INSTALLATION OF BLASTED LEDGE MATERIAL SIDE SLOPES AT 1:1
STONE-LINED PLUNGE POOL
SEDIMENT FOREBAY
PROPOSED DETENTION POND
WETLAND AREA
RIP RAP LOW FLOW CHANNEL
SEDIMENT POOL
RIP RAP HEADWALL
OUTLET CONTROL STRUCTURE
4-1" ϕ HOLES IN PLUG END OF PIPE ELEV.: 87.50'
12" ϕ RISER PIPE W/4" ϕ HOLE AT ELEV.: 91.70'
70' X 100' RECON BUILDING FLOOR: 95.5'
FILL SLOPES PROTECTED INSTALLATION OF BLAST LEDGE MATERIAL FILL SLOPE AT 1:1
WETLAND AREA
12" HDPE SD L= 93', S= 0.5%
INV.: 87.04'
STONE-LINED PLUNGE POOL
CMP 38/482
CMP 38/483 TP
CMP 38/484
FILL SLOPES PROTECTED BY INSTALLATION OF BLASTED LEDGE MATERIAL FILL SLOPE AT 1:1
GRASS SWALE
CMP 39/164
CMP
CMP 33/12
CMP 33/11
STONE-LINED PLUNGE POOL
MPANY
1" = 100'


HrC
HfC
SkB
SuC2
HfD
HrB
HrC
HrC
HrD
HrC
SuC2
A
HfD
SuC2
SuC2
SuD2
BuB2
BuC2
WmC
Riggs
SuD2
BuC2
MAINE
BuC2
HrB
BuB2
SITE
HrB
BuB2
C.F.
ScA
HrC
M.L.
BuC2
SuC2
SuD2
BuB2
SuD2
3
SuD2
BuB2
BuC2
BuB2
M.L.
HrC
BuB2
SuC2
SuC2
9
HfC
SuC2
HrC
BuB2
HrB
SuD2
CUT AND FILL LAND
CENTRAL


X SITE
RIVER
Radio Tower (WFAU)
HIGHLAND AVE
NEWLAND AVE
WASHINGTON AVE
NORTHERN
Williams Cem
Riverside Cem
Williams Sch
Hussey Sch
MURRAY ST
PATTERSON ST
Cony High Sch
Hodgkins Sch
WTs
Regional Voc Tech Center
CONY ST
STONE ST
Hospital
FAIRVIEW AVENUE
EASTERN AVENUE
Farrington Sch
BM 217
BM 59
BM 48
BM 100
Tidal Flat
WATER ST
YMCA
Libr
Prince of
SOUTH CHINA 11 MI.
(TOGUS POND)
7072 I SW
20'
4908
ELEV 24
37
372
268
185
200
202
105
17

3712 x


North Augusta
Governor Hill
Allen Hill
Pelton Hill
Augusta
SITE
MT VERNON RD
BELGRADE RD
BROWN RD
OLD RD
LYONS RD
DOCK RD
PRESCOTT RD
WINTHROP ST
KERNS HILL RD
CENTRAL ST
OUTLET RD
OLD BELGRADE RD
MIDDLE ROD RD
MAINE PUBLIC RESERVE LAND
8
11
27
95
104
201
100
202
17
9

SITE X

FIRST TIME SYSTEM VARIANCE REQUEST

This form shall accompany an Application (HHE-200) for a proposed first time system which requires a Variance to provisions of the Subsurface Wastewater Disposal Rules.
The local plumbing inspector shall not issue a permit for the installation of a first time subsurface wastewater disposal system requiring a variance from the Department of Human Services until approval has been received from them.

GENERAL INFORMATION

Town of AUGUSTA

Permit No. _____ Date Permit Issued _____

Property Owner's Name: O'CONNOR REALTY Tel. No.: _____

System's Location: RIVERSIDE DRIVE

Property Owner's Address: _____

(if different from above) _____

VARIANCE CONDITIONS

The Department has the authority to vary the requirements of the Rules in accordance with Section 105.2 of the Rules CMR 241 if all the following criteria are satisfied:

a. The variance request has the approval of the LPI.
b. The Municipal Officials have indicated that the variance does not conflict with any local wastewater disposal ordinances.
c. The variance request demonstrates that there is no practical alternative for wastewater disposal, such as access to public sewer or the potential for an easement.
d. The proposed system does not conflict with any provision controlling subsurface wastewater disposal in the Shoreland Zone.
e. The site offers potential for a system which will dispose of the wastewater with minimal threat to public health, safety, or welfare.
f. The property owner has indicated an awareness of the variance and any limitations or added costs the proposed system may require.

SOIL, SITE AND ENGINEERING FACTORS FOR NEW SYSTEM VARIANCE ASSESSMENT
(SEE TABLES 1900.1-1900.11)

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile	8	10
Depth to Groundwater/Restrictive Layer	10"	3
Terrain	SIDE SLOPE	3
Size of Property	> 20 AC	20
Waterbody Setback	> 200'	5
Water Supply	DRILLED WELL	3
Type of Development	COMMERICAL 600	-5
Disposal Area Adjustment	0	0
Vertical Separation Adjustment	+66 %	10
Additional Treatment	BUILDING DRAIN	5
TOTAL POINT ASSESSMENT (Sec. 1904.5)		54

Minimum Points (Check one): Outside Shoreland-50 ☐ Inside Shoreland-65 ☐ Subdivision-65 ☐

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator)

RULE	SECTION OF
1. SUITABLE SOIL CONDITIONS	400.4.1
2.	
3.	

SITE EVALUATOR

When a property is found to be unsuitable for subsurface wastewater disposal for a First Time System Variance by a Licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a Variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department.
(Use Additional Sheets, if needed)

THE SOIL LIMITATION OF 10" TO THE SEASONAL HIGH WATER TABLE OF 10" IS TO BE MITIGATED BY INCRESSING THE VERTICAL SEPARATION REQUIREMENT BY 66 %

I, GEORGE A. COURBRON, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

SIGNATURE OF SITE EVALUATOR _____ DATE 8/31/02

HHE-215 Rev 6/00

PROPERTY OWNER

I, Richard O'Connor, am the ☑owner ☐agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

☑SIGNATURE OF OWNER
☐AGENT FOR THE OWNER

10 Sept 02 DATE

MUNICIPAL OFFICER(S) (Selectman, Councilman, Alderman, Mayor, Town Manager)

We, the Municipal Officer(s) of Yarmouth, Maine have reviewed this application and are aware that the applicant is applying for a First Time System Variance to the Subsurface Wastewater Disposal Rules because the proposed system does not meet all requirements of the rules. The proposed variance request ☑does ☐does not comply with all Municipal Ordinances relating to subsurface wastewater disposal.

SIGNATURE FOR THE MUNICIPALITY TITLE DATE 9/10/02

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all First Time System Variance requests prior to rendering a decision.
I, George H. Soucy Jr., the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (☐does ☑does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone.
Therefore, I (☑do ☐do not) approve the requested variance. I (☑will ☐will not) issue a permit for the system's installation as proposed by the application.

LPI Signature Date 9/10/02

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all First Time System Variance requests prior to forwarding to the Division of Health Engineering.
I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (☐does ☐does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone.
Therefore, I (☐do ☐do not) recommend the issuance of a permit for the system's installation as proposed by the application.

N/A

LPI Signature Date

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (☐does ☐does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

N/A

SIGNATURE OF THE DEPARTMENT DATE

Note: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 1902.0 for Municipal Review.)
2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 1901.0 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE DEED COVENANT

To Property Owner: Complete and record this form with your County Registry of Deeds. Afterward, submit a copy of the recorded covenant to the Local Plumbing Inspector and the Department of Human Services, Division of Health Engineering, State House Station #10, Augusta, Maine 04333-0010.

To County Registrar: Please cross reference by book and page number:
Book 6924, Page 235.

Address of Property with Disposal System: ______
(Incl. Municipal Book & Page No.) MAP 6, 10 ACRE PORTION OF LOT 55

Stipulations of Covenant: PROPERTY SHALL BE LIMITED TO A DESIGN FLOW OF 725 GPD, AND SHALL NOT EXCEED SAID DESIGN FLOW WITHOUT PRIOR APPROVAL.

The Department of Human Services and/or the Town of AUGUSTA has approved a Variance to the Maine Subsurface Waste Water Disposal Rules, 10-144A CMR 241, for the installation of a subsurface waste water disposal system subject to the implementation of the above conditions.

Signature ______ Date 9/10/02

Signature ______ Date ______

* * *

State of Maine

County of KENNEBEC, ss. Date 9/10/02

Then personally appeared the above named RICHARD O'CONNOR

(and ______) and (severally) acknowledged the foregoing

instrument to be his (or their) free act and deed.

Before me, Sharon L. Baker
Justice of the Peace or Notary Public

HHE-304 Rev 3/97

FORMS

SUBSURFACE WASTEWATER DISPOSAL SYSTEM VARIANCE DEED COVENANT

029124

To Property Owner: Complete and record this form with your County Registry of Deeds. Afterward, submit a copy of the recorded covenant to the Local Plumbing Inspector and the Department of Human Services, Division of Health Engineering, State House Station #10, Augusta, Maine 04333-0010.

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Signature Date 9/10/02
Richard O'Conner
Signature Date

* * *

State of Maine

County of KENNEBEC, ss. Date 9/10/02

Then personally appeared the above named Richard O'Conner

(and) and (severally) acknowledged the foregoing instrument to be his (or their) free act and deed.

SEAL

Before me, Sharon L. Baker
Justice of the Peace or Notary Public
SHARON L BAKER

HHE-304 Rev 3/97

RECEIVED KENNEBEC SS.
2002 SEP 10 PM 1:56
ATTEST:
REGISTER OF DEEDS

C N Stevenson Inc
PO Box 37
Wayne, Me 04284

Page: 821-1872

JOB NO. 02-150

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation	AUGUSTA
Street or Road	RIVERSIDE DRIVE
Subdivision Lot #	O'CONNOR REALTY

OWNER/APPLICANT INFORMATION

Name (last,first,MI): C.H. STEVENSON, INC. ☐ Owner ☒ Applicant

Mailing Address Of ☐ Owner ☒ Applicant: P.O. BOX 37, WAYNE, ME 04284

Daytime Tel. #: 685-3600

Owner or Applicant Statement

I state 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.

Signature of Owner or Applicant — Date: 9/5/02

» Caution: Permit Required - Attach in Space Below «

The Subsurface Wastewater Disposal System shall not 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 the application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # 6 Block # - Lot # P/O 55
TO BE COMPLETED BY APPLICANT

Caution: Inspection Required

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

Local Plumbing Inspector's Signature — (1st) Date Approved — (2nd) Date Approved

PERMIT INFORMATION

TYPE OF APPLICATION
1. ☒ First Time System
2. ☐ Replacement System
Type Replaced: ____
Year Installed: ____
3. ☐ Expanded System
   a. ☐ Minor Expansion
   b. ☐ Major Expansion
. ☐ Experimental System
5. ☐ Seasonal Conversion

THIS APPLICATION REQUIRES
1. ☐ No Rule Variance
2. ☒ First Time System Variance
   ☒ Local Plumbing Inspector approval
   ☐ State & Local Plumbing Inspector approval
3. ☐ Replacement System Variance
   ☐ Local Plumbing Inspector approval
   ☐ State & Local Plumbing Inspector approval
4. ☐ Minimum Lot Size Variance
5. ☐ Seasonal Conversion Approval

DISPOSAL SYSTEM COMPONENT(S)
1. ☒ Complete Non-Engineered System
2. ☐ Primitive System (graywater & alt. 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:

SIZE OF PROPERTY: 20 +/- ☐ sq. ft. ☒ acres

SHORELAND ZONING: ☐ Yes ☒ No

DISPOSAL SYSTEM TO SERVE:
1. ☐ Single Family Dwelling Unit, No. of Bedrooms: N/A
2. ☐ Multiple Family Dwelling, No. of Units: ____
3. ☒ Other: AUTO DETAIL CENTER & 2 BATHROOMS (specify)

Current Use ☐ Seasonal ☐ Year Round ☒ Undeveloped

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

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
1. ☒ Concrete
   a. ☒ Regular, or
   b. ☒ Low Profile (as required)
2. ☐ Plastic
3. ☐ Other ____

CAPACITY 2-1,000 gallons

DISPOSAL FIELD TYPE / SIZE
1. ☐ Stone Bed 2. ☐ Stone Trench
3. ☒ Proprietary Device 3,000 Sq.Ft.
   a. ☐ Cluster Array c. ☒ Linear
   b. ☐ Regular Load d. ☒ H-20 Load
4. ☒ Other ENVIRO SEPTIC PIPE

SIZE 600 ☐ sq. ft. ☒ lin. ft.

GARBAGE DISPOSAL UNIT
1. ☒ No P/O 3. ☐ Maybe
2. ☐ Yes >>Specify one below:
   a. ☐ Multi-compartment tank
   b. ☐ Tank in series
   c. ☐ Increase in Tank Capacity
   d. ☐ Filter on Tank Outlet

DESIGN FLOW
590 gallons per day
BASED ON:
1. ☐ Table 501.1 (dwelling unit(s)
2. ☒ Table 501.2 (other facilities)
SHOW CALCULATIONS
-FOR OTHER FACILITIES-
6 EMPLOYEES PLUS CAR RECON. COMPLEX (PER OWNER 500 GPD)
6 x 15 + 500 = 590 GPD
3. ☐ Section 503.0 (meter readings)
ATTACH WATER-METER DATA

SOIL DATA & DESIGN CLASS

PROFILE	CONDITION	DESIGN
8	D	3

at Observation Hole # 1
Depth -10
OF MOST LIMITING SOIL FACTOR

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 or experimental systems:
Dose: ____ Gallons

SITE EVALUATOR'S STATEMENT

I Certify that on 8-31-2002 (date) I completed a site evaluation on this property and state that the data reported is 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: George A. Courbron

SE #: 88

Site Evaluator Name Printed: GEORGE A. COURBRON

Telephone #: 946-4480

Date: 8-31-2002

USE ONLY COPIES STAMPED WITH SITE EVALUATOR'S SEAL IN BLUE INK FOR CONSTRUCTION PERMITS

STATE OF MAINE — GEORGE A. COURBRON, JR. — SITE EVALUATOR — LICENSED

Page 1 of 3
HHE-200 #88 8/01
(COMPUTER GENERATED)

NOTE: Changes to or deviations from this design shall be confirmed by the Site Evaluator. 10 CMR 241 (June 1, 1998)

STATE OF MAINE
GEORGE A.
COURSERON, JR.
#60
LICENSED
SITE EVALUATOR

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation: AUGUSTA
Street, Road, Subdivision Lot No.: RIVERSIDE DRIVE
Owner's Name: O'CONNOR REALTY

SITE PLAN

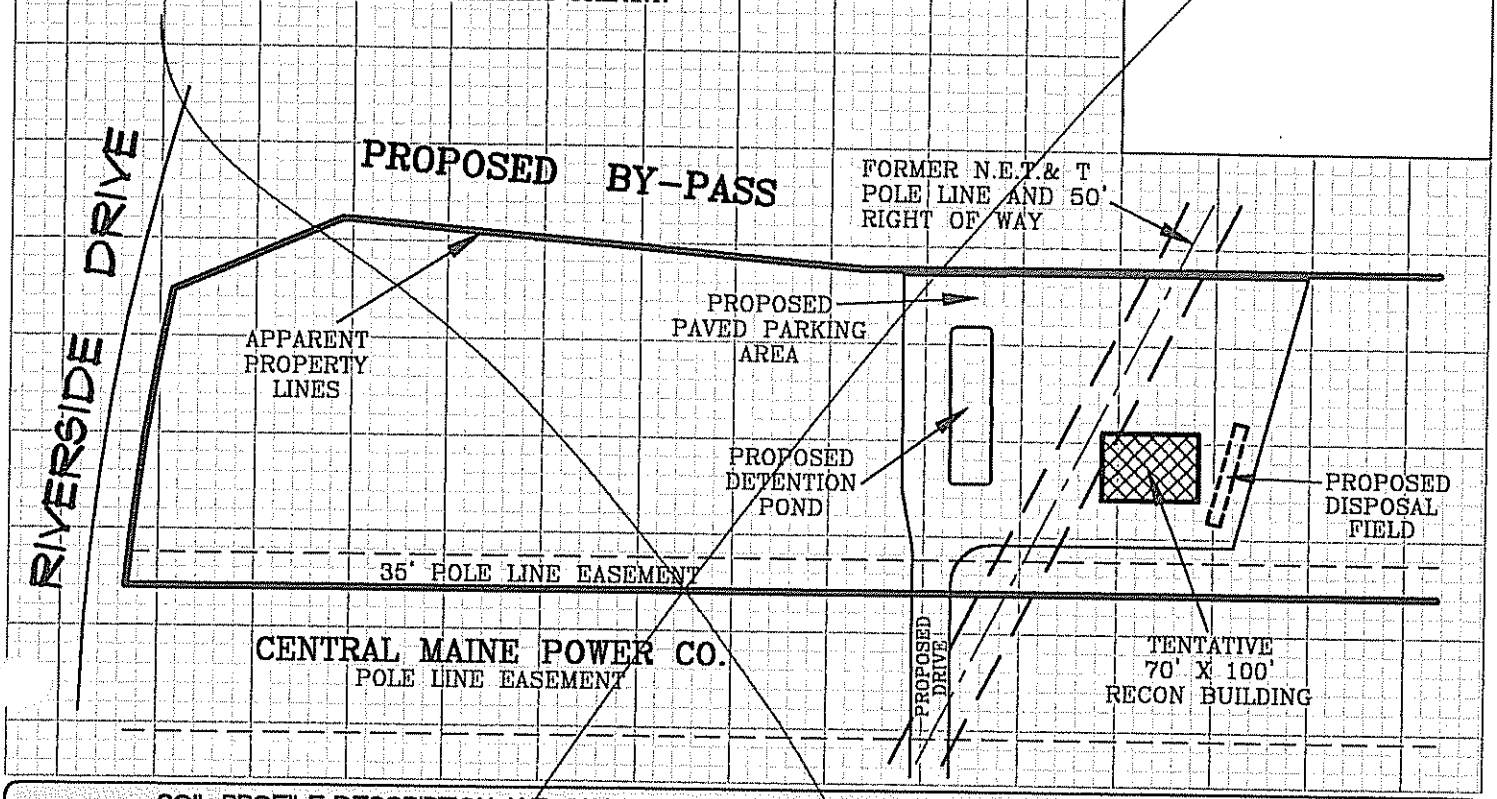
Scale 1" = 200 Ft.

NOTE: LOCATION OF SEPTIC SYSTEM HAS BEEN SITED ON THE PROPERTY BASED UPON BOUNDARY LINE/PROPERTY INFORMATION PROVIDED BY OWNER OR OWNER'S AGENT. NO INDEPENDENT VERIFICATION OF BOUNDARY LINE LOCATIONS HAS BEEN MADE BY THIS SITE EVALUATOR. PROPERTY LINES SHOWN SHALL BE VERIFIED BY OWNER/INSTALLER PRIOR TO CONSTRUCTION OF SYSTEM. ANY DISCREPANCY FROM THAT SHOWN SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DESIGN SITE EVALUATOR PRIOR TO BEGINNING ANY WORK.

NOTE: PLAN REFERENCE: "SITE PLAN" O'CONNOR REALTY, RIVERSIDE DRIVE, AUGUSTA, MAINE DATED AUGUST 2, 2002 BY THAYER ENGINEERING COMPANY.

SITE LOCATION PLAN
(Attach map from Maine Atlas for First Time System Variance)

SEE ATTACHED



SOIL PROFILE DESCRIPTION AND CLASSIFICATION (Location of Observation holes Shown Above)

Observation Hole No. TB 1 ☐ Test Pit ■ Boring

1 " Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Texture	Consistency	Color	Mottling
FINE SANDY LOAM (0–12)	FRIABLE	BROWN; YELLOWISH BROWN	
SILTY CLAY LOAM (12–50)	FIRM	OLIVE; GRAY	

Soil Classification		Slope	Limiting Factor	
8 D (Profile)	3 (Condition)	10 (Percent)	-10" (Depth)	■ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

Observation Hole No. _____ ☐ Test Pit ☐ Boring

" Depth of Organic Horizon Above Mineral Soil

DEPTH BELOW MINERAL SOIL SURFACE (inches)

Texture	Consistency	Color	Mottling

Soil Classification		Slope	Limiting Factor	
Profile	Condition	Percent	" Depth	☐ Ground Water ☐ Restrictive Layer ☐ Bedrock ☐ Pit Depth

STATE OF MAINE
GEORGE A. COURBRON, JR.
#88
LICENSED SITE EVALUATOR

Site Evaluator Signature: George A. Courbron
SE #: 88
Date: 8-31-2002

10 CMR 241 (JUNE 1, 1999)

STATE OF MAINE
GEORGE A.
COURBRON, JR.
#89
LICENSED
SITE EVALUATOR

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

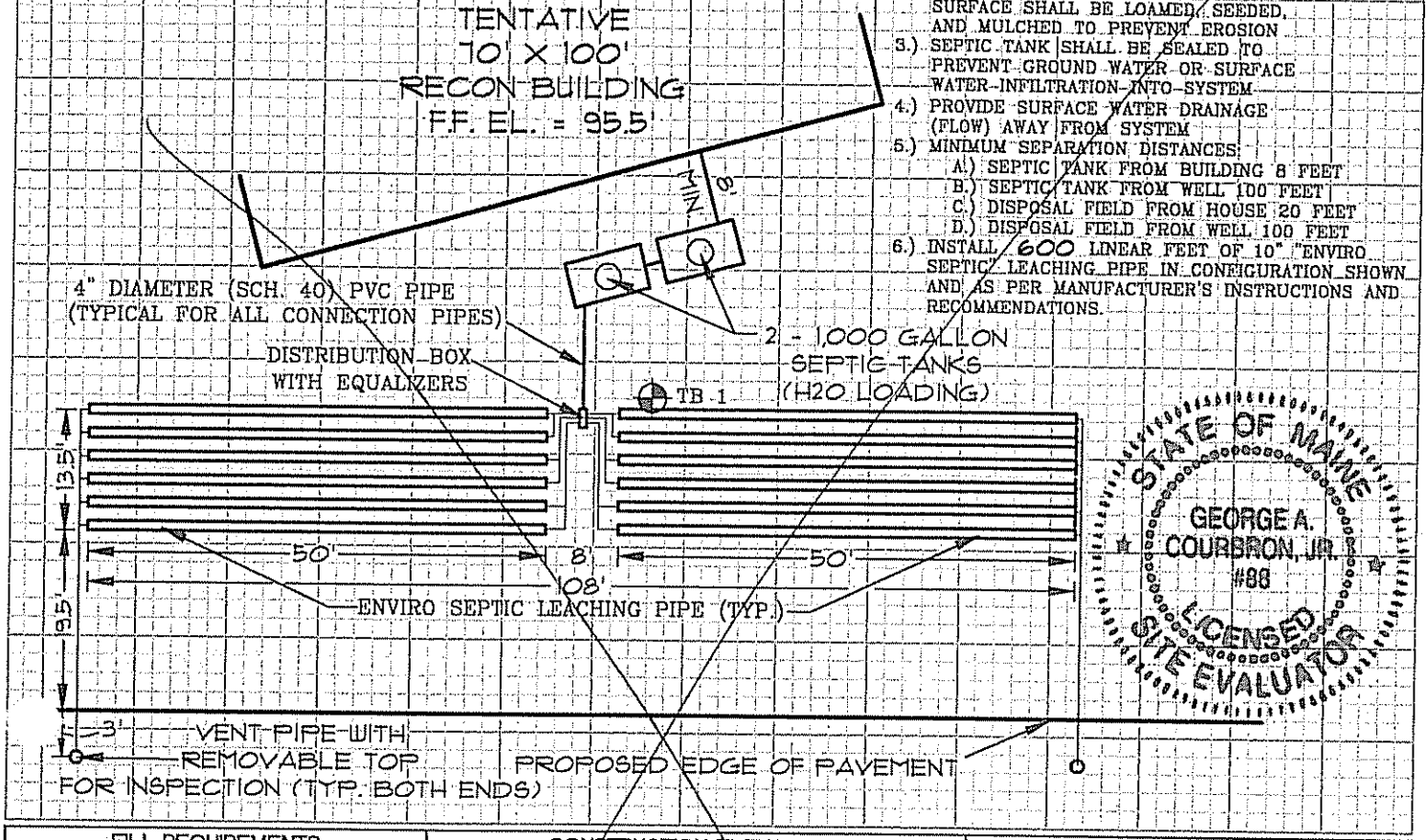
Maine Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation	Street, Road, Subdivision Lot No.	Owner's Name
AUGUSTA	RIVERSIDE DRIVE	O'CONNOR REALTY

SUBSURFACE WASTEWATER DISPOSAL PLAN

Scale 1" = 20 FT.

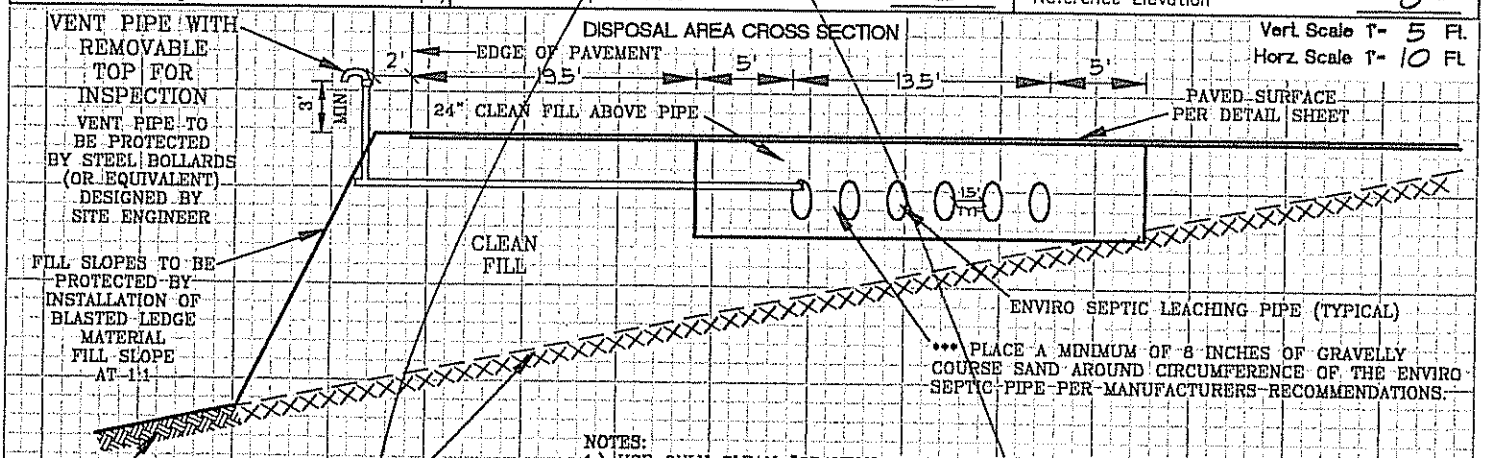
NOTES:
1.) REFER TO GENERAL NOTES ON THE BACKSIDE OF THIS PAGE
2.) ALL DISTURBED AREAS AND FINISHED SURFACE SHALL BE LOAMED, SEEDED, AND MULCHED TO PREVENT EROSION
3.) SEPTIC TANK SHALL BE SEALED TO PREVENT GROUND WATER OR SURFACE WATER INFILTRATION INTO SYSTEM
4.) PROVIDE SURFACE WATER DRAINAGE (FLOW) AWAY FROM SYSTEM
5.) MINIMUM SEPARATION DISTANCES:
   A.) SEPTIC TANK FROM BUILDING 8 FEET
   B.) SEPTIC TANK FROM WELL 100 FEET
   C.) DISPOSAL FIELD FROM HOUSE 20 FEET
   D.) DISPOSAL FIELD FROM WELL 100 FEET
6.) INSTALL 600 LINEAR FEET OF 10" "ENVIRO SEPTIC" LEACHING PIPE IN CONFIGURATION SHOWN AND AS PER MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS.



FILL REQUIREMENTS		CONSTRUCTION ELEVATIONS		ELEVATION REFERENCE POINT
Depth of Fill (Upslope)	24 "	Finished Grade Elevation	95 "	Location & Description SEE SITE PLAN REFERENCED ON PAGE 2
Depth of Fill (Downslope)	70 "	Top of Distribution Pipe or Proprietary Device	93 "	Reference Elevation 0 "
(Fill Depth May Vary Due To Uneven Ground Slope)		Bottom of Disposal Area	92 "	

DISPOSAL AREA CROSS SECTION

Vert. Scale 1" = 5 FT.
Horz. Scale 1" = 10 FT.



NOTES:
1.) USE ONLY CLEAN "GRAVELY COARSE SAND" BACKFILL MATERIAL, WHICH MEET THE BACKFILL STANDARDS OF SECTION 804.0 OF THE "RULES", FREE OF FOREIGN MATERIALS (ROOTS, LARGE ROCKS, ETC.) PLACED IN 8" LIFTS AND COMPACTED AS PLACED.
2.) REMOVE ALL ORGANIC MATERIALS (ROOTS, STUMPS, AND LARGE ROCKS) UNDER SYSTEM AND FILL EXTENSIONS AND PREPARE TRANSITION HORIZON BY PLACING A MINIMUM OF 4" OF CLEAN FILL OVER ORIGINAL SOIL AND MIX (BY PLOWING, DISKING OR ROTOTILLING) INTO ORIGINAL SOIL PER SECTION 801.5 OF THE "RULES".

Site Evaluator Signature	SE #	Date	
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General Notes

1.) The most recent revision of the Maine Subsurface Wastewater Disposal Rules ("Rules") is hereby made a part of this HHE-200 Form and shall be consulted by the disposal system installer pertinent to the installation of the disposal system.

2.) This HHE-200 is intended to represent facts pertinent to the "Rules" only. The owner and applicant must check both local and state ordinances, and regulations regarding other building regulations (i.e. zoning, wetlands, building codes, minimum lot size, ect.) before considering this an approved or buildable site. I can provide you with other local, state and federal regulatory investigation of pertinent land use regulations, affecting the suitability or buildability of the site, at an additional cost, per your request.

3.) All information shown on this form relating to the property lines and subsurface structures (such as but not limited to: water lines, septic tanks, cess pools, cellar drains, utility lines, ect.) are notes, plotted or left off as not affecting the system based on information provided by the owner or his agent. It is the responsibility of the owner or his agent to confirm, BEFORE CONSTRUCTION BEGINS, the above and/or any other features, which may affect (or be adversely affected by) the installation of the system.

4.) When the gravity system is proposed, BEFORE CONSTRUCTION BEGINS, the disposal system installer and building contractor shall review the relative elevation of all points given on this HHE-200 Form and the elevation of the existing or proposed building drain and septic tank openings for compatibility to the minimum code pitch requirements. Any questions that arise should be directed to the local plumbing inspector or myself. When a pump system is installed, provisions shall be made to keep the tank and lift station outlets above the high water table. An alarm device warning of pump failure should be considered. At present, venting of the pumped system is optional.

5.) If the use of a laundry machine becomes excessive, a separate laundry bed should be designed and installed. A lint-catching device should be installed for the washing machine (if it doesn't have one) and cleaned frequently. A distribution box has been shown in the design and is intended to offer an inspection port whereby the owner can check for excessive lint or grease buildup before damage to the system is done. Inspection should be frequent. This system has not been designed or sized to accommodate a garbage disposal. If one is to be used, you must you must first notify me so that I can increase the disposal size of the septic tank capacity.

6.) The actual water flow or number of bedrooms shall not extend the design criteria indicated on the HHE-200 form without a re-evaluation of the system.

7.) All Construction shall conform to Chapter 8 of the "Rules" in general: (A) The vegetation in the proposed disposal area and fill extensions shall be removed and the ground surface scarified (rotor tilled) to minimize glazing of original soils. (B) The bottom of the disposal area and distribution line, shall be level and with maximum grade tolerance of 1 inch per 100 feet. (C) Backfill shall be clean, gravely, coarse sand, and free of foreign material placed in eight inch lifts and compacted as placed. (D) The finish grade of the backfill over the disposal area shall extend 3 to 5 feet beyond the edge of the disposal area. At that point, the fill shall be sloped at a uniform grade of no greater that 25% (4:1) to the original ground. (E) The land adjacent to the disposal area shall be graded to prevent both the accumulation of surface water on the disposal area and the flow of surface water across the disposal area. (F) The finished disposal area and fill extensions shall be seeded to prevent erosion: (a) Grass, clover, trefoil vetch, perennial wildflowers or other herbaceous perennials may be utilized for disposal area surfaces. Woody shrubs are unacceptable. (b)Woody shrubs in conjunction with a hardy perennial ground clover may be used on fill extensions only.

8.) The general setback distance between a well and a disposal system serving a single-family residence is 100 feet. The location of a new well that is within 100 feet of the proposed system may void this design. For additional setback requirements, see Chapter 7 of the "Rules".

9.) All construction shall be inspected by, the local plumbing inspector (LPI) according to section 111.0 of the "Rules" prior to backfilling. Backfill material shall comply with Chapter 8, Section 804 of the "Rules".

10.) If the owner or installer has any questions, please do not hesitate to call at 946-4480.

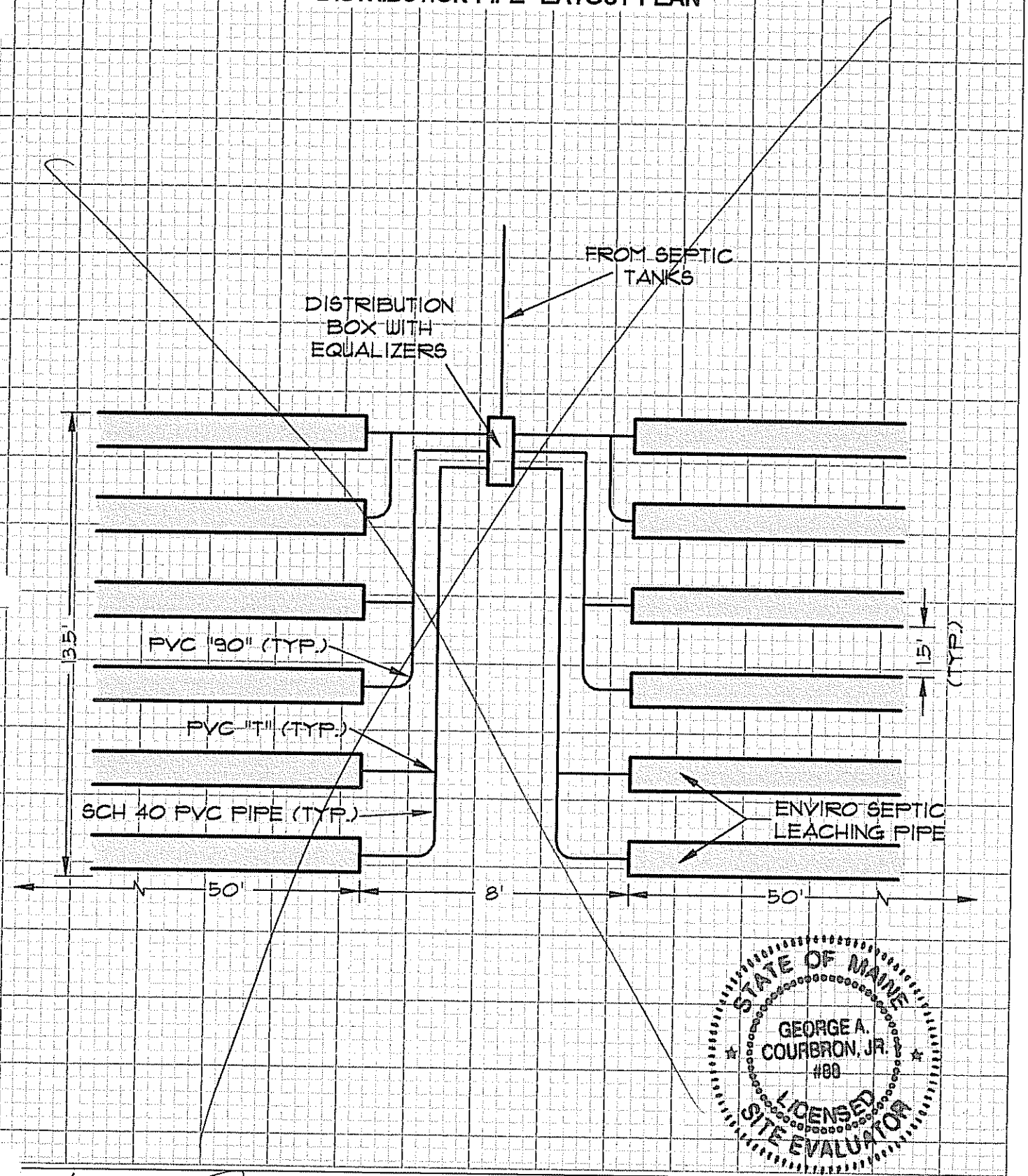
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Maine Department of Human Services
Division of Health Engineering
(207) 287-5672 FAX (207) 287-4172

Town, City, Plantation	Street, Road, Subdivision Lot No.	Owner's Name
AUGUSTA	RIVERSIDE DRIVE	O'CONNOR REALTY

SUBSURFACE WASTEWATER DISPOSAL PLAN
"DISTRIBUTION PIPE" LAYOUT PLAN

Scale 1" = 4 Ft.



Site Evaluator Signature	SE #	Date	
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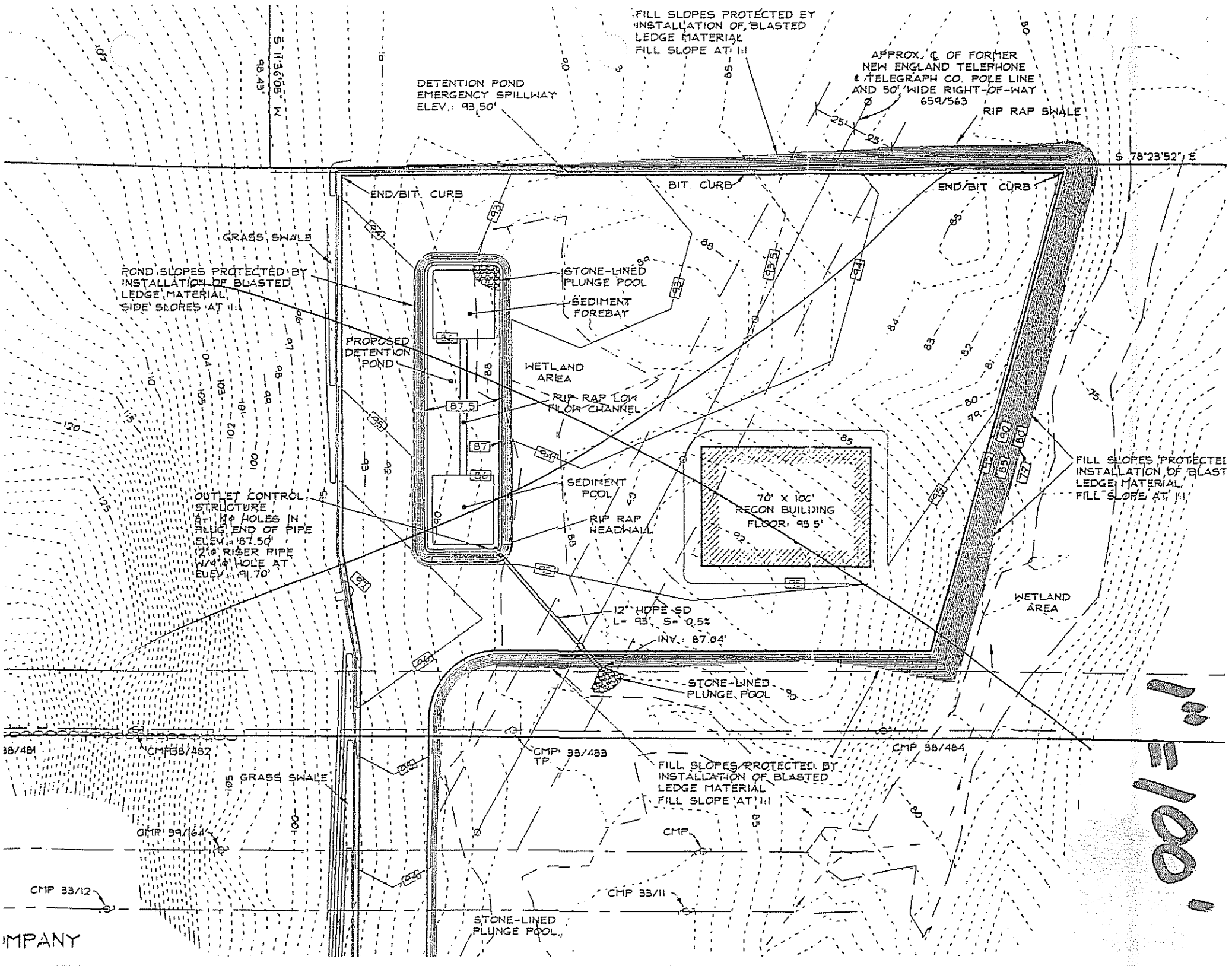
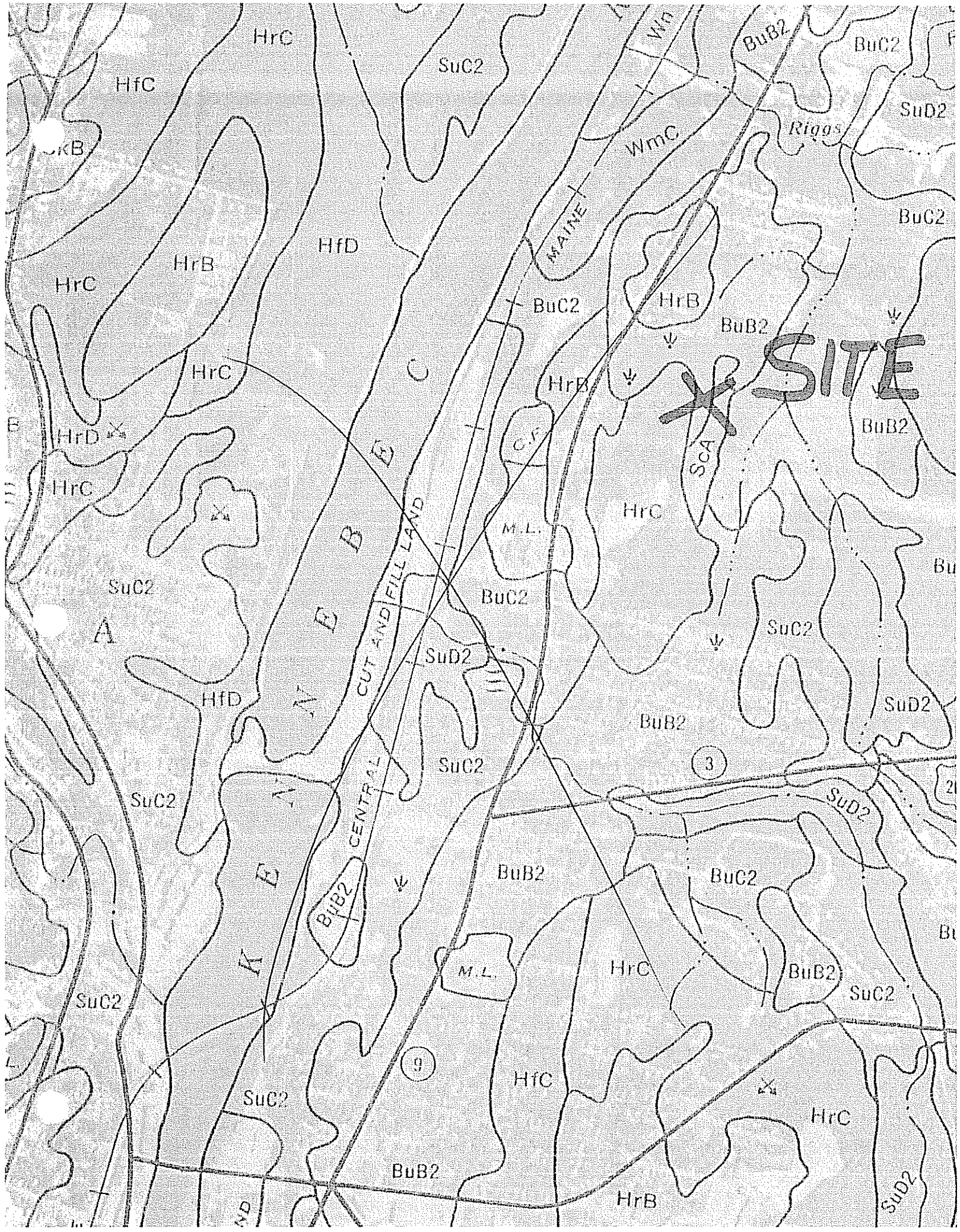
STATE OF MAINE
GEORGE A.
COURBRON JR.
#84
LICENSED
SITE EVALUATOR


FILL SLOPES PROTECTED BY INSTALLATION OF BLASTED LEDGE MATERIAL FILL SLOPE AT 1:1
APPROX. ℄ OF FORMER NEW ENGLAND TELEPHONE & TELEGRAPH CO. POLE LINE AND 50' WIDE RIGHT-OF-WAY 659/563
DETENTION POND EMERGENCY SPILLWAY ELEV.: 93.50'
RIP RAP SWALE
S 78°23'52" E
S 11°36'08" W
98.43'
END/BIT. CURB
BIT. CURB
END/BIT. CURB
GRASS SWALE
POND SLOPES PROTECTED BY INSTALLATION OF BLASTED LEDGE MATERIAL SIDE SLOPES AT 1:1
STONE-LINED PLUNGE POOL
SEDIMENT FOREBAY
PROPOSED DETENTION POND
WETLAND AREA
RIP RAP LOW FLOW CHANNEL
SEDIMENT POOL
RIP RAP HEADWALL
OUTLET CONTROL STRUCTURE
A: 1¼ HOLES IN PLUG END OF PIPE ELEV.: 87.50'
12" ϕ RISER PIPE W/4" ϕ HOLE AT ELEV.: 91.70'
70' X 100' RECON BUILDING FLOOR: 95.5'
FILL SLOPES PROTECTED INSTALLATION OF BLASTED LEDGE MATERIAL FILL SLOPE AT 1:1
WETLAND AREA
12" HDPE SD
L= 95', S= 0.5%
INV.: 87.04'
STONE-LINED PLUNGE POOL
CMP 38/481
CMP 38/482
CMP TP 38/483
CMP 38/484
GRASS SWALE
FILL SLOPES PROTECTED BY INSTALLATION OF BLASTED LEDGE MATERIAL FILL SLOPE AT 1:1
CMP 39/64
CMP
CMP 33/12
CMP 33/11
STONE-LINED PLUNGE POOL
1" = 100'
MPANY


HrC
HfC
SuC2
WmC
Riggs
BuB2
BuC2
SuD2
HrB
HfD
MAINE
SITE
HrD
C.F.
SCA
M.L.
CUT AND FILL LAND
CENTRAL
HfC
3
9

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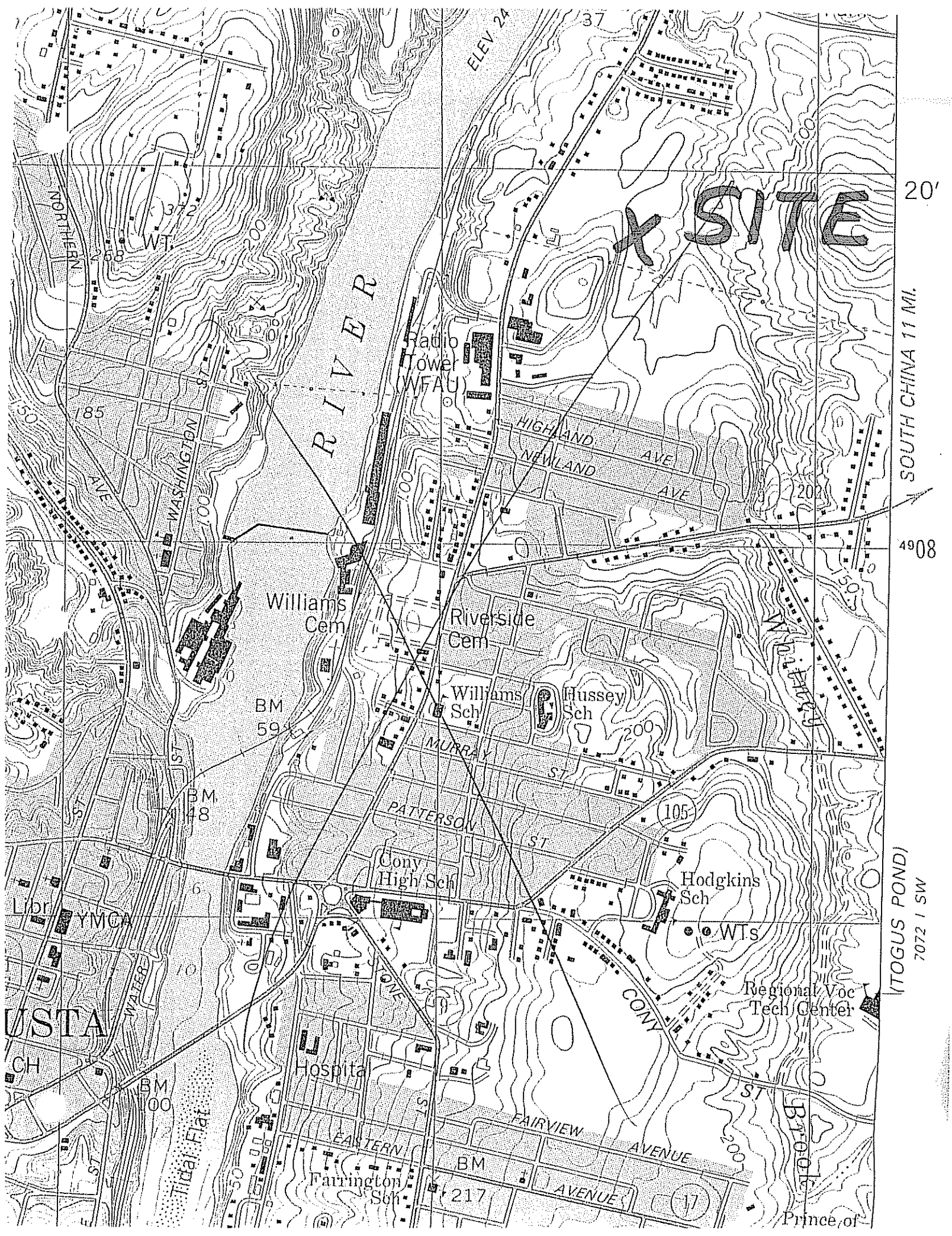
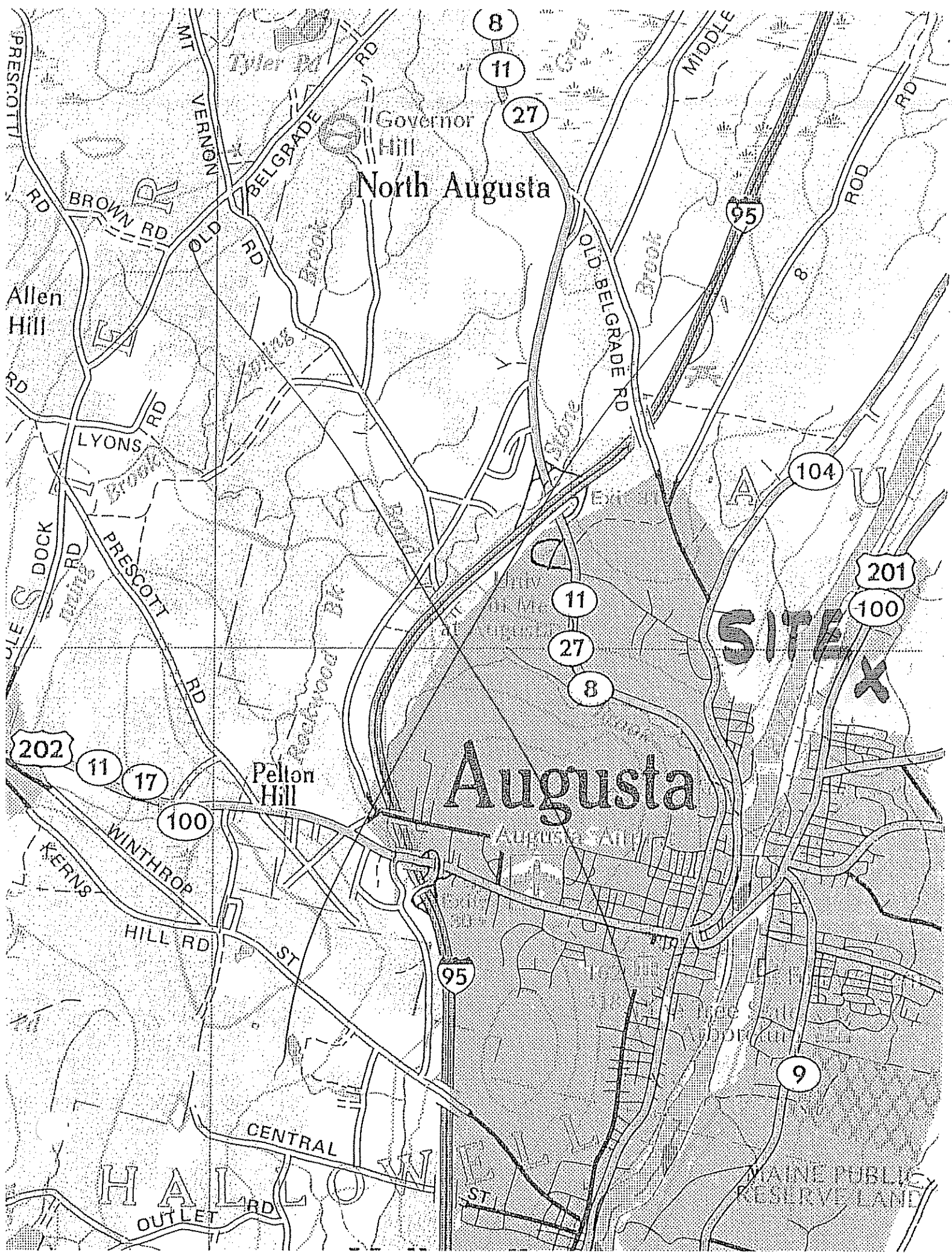

X SITE
RIVER
Radio Tower WFAU
Williams Cem
Riverside Cem
Williams Sch
Hussey Sch
Cony High Sch
Hodgkins Sch
Regional Voc Tech Center
Hospital
Fairington Sch
HIGHLAND AVE
NEWLAND AVE
WASHINGTON AVE
MURRAY ST
PATTERSON ST
CONY ST
EASTERN AVENUE
FAIRVIEW AVENUE
NORTHERN
YMCA
Libr
WTs
BM 594
BM 48
BM 100
BM 217
ELEV 24
SOUTH CHINA 11 MI.
TOGUS POND
7072 I SW
20'
4908


PRESCOTT
MT VERNON RD
Tyler Pt
BELGRADE RD
Governor Hill
North Augusta
MIDDLE RD
BROWN RD
OLD RD
Allen Hill
OLD BELGRADE RD
LYONS RD
PRESCOTT RD
DOCK RD
Pelton Hill
Augusta
WINTHROP ST
KERNS HILL RD
CENTRAL ST
HALLOWELL
OUTLET RD
MAINE PUBLIC RESERVE LAND
SITE X
8
11
27
95
104
201
100
202
17
9

FIRST TIME SYSTEM VARIANCE REQUEST

This form shall accompany an Application (HHE-200) for a proposed first time system which requires a Variance to provisions of the Subsurface Wastewater Disposal Rules.
The local plumbing inspector shall not issue a permit for the installation of a first time subsurface wastewater disposal system requiring a variance from the Department of Human Services until approval has been received from them.

GENERAL INFORMATION

Town of AUGUSTA

Permit No. _____ Date Permit Issued _____

Property Owner's Name: O'CONNOR REALTY Tel. No.: _____

System's Location: RIVERSIDE DRIVE

Property Owner's Address: _____

(if different from above) _____

VARIANCE CONDITIONS

The Department has the authority to vary the requirements of the Rules in accordance with Section 105.2 of the Rules CMR 241 if all the following criteria are satisfied:

a. The variance request has the approval of the LPI.
b. The Municipal Officials have indicated that the variance does not conflict with any local wastewater disposal ordinances.
c. The variance request demonstrates that there is no practical alternative for wastewater disposal, such as access to public sewer or the potential for an easement.
d. The proposed system does not conflict with any provision controlling subsurface wastewater disposal in the Shoreland Zone.
e. The site offers potential for a system which will dispose of the wastewater with minimal threat to public health, safety, or welfare.
f. The property owner has indicated an awareness of the variance and any limitations or added costs the proposed system may require.

SOIL, SITE AND ENGINEERING FACTORS FOR NEW SYSTEM VARIANCE ASSESSMENT
(SEE TABLES 1900.1-1900.11)

	CHARACTERISTIC	POINT ASSESSMENT
Soil Profile	8	10
Depth to Groundwater/Restrictive Layer	10"	3
Terrain	SIDE SLOPE	3
Size of Property	> 20 AC	20
Waterbody Setback	> 200'	5
Water Supply	DRILLED WELL	3
Type of Development	COMMERICAL 600	-5
Disposal Area Adjustment	+66%	10
Vertical Separation Adjustment	+66%	10
Additional Treatment	BUILDING DRAIN	5
TOTAL POINT ASSESSMENT (Sec. 1904.5)		64

Minimum Points (Check one): Outside Shoreland-50 ☐ Inside Shoreland-65 ☐ Subdivision-65 ☐

SPECIFIC VARIANCE REQUESTED (To be filled in by Site Evaluator)

RULE	SECTION OF
1. SUITABLE SOIL CONDITIONS	400.4.1
2.	
3.	

SITE EVALUATOR

When a property is found to be unsuitable for subsurface wastewater disposal for a First Time System Variance by a Licensed Site Evaluator, the Evaluator shall so inform the property owner. If the property owner, after exploring all other alternatives, wishes to request a Variance to the Rules, and the Evaluator in his professional opinion feels the variance request is justified and the site limitations can be overcome, he shall document the soil and site conditions on the Application. The Evaluator shall list the specific variances necessary plus describe below the proposed system design and function. The Evaluator shall further describe how the specific site limitations are to be overcome, and provide any other support documentation as required prior to consideration by the Department.
(Use Additional Sheets, if needed)

THE SOIL LIMITATION of 10" to the SEASONAL HIGH WATER TABLE OF 10" is to BE MITIGATED BY INCRESSING THE VERTICAL SEPARATION REQUIREMENT BY 66%

I, GEORGE A. GOURRON, S.E., certify that a variance to the Rules is necessary since a system cannot be installed which will completely satisfy all the Rule requirements. In my judgment, the proposed system design on the attached Application is the best alternative available; enhances the potential of the site for subsurface wastewater disposal; and that the system should function properly.

SIGNATURE OF SITE EVALUATOR _____ DATE 8/31/02

PROPERTY OWNER

I, _____, am the ☐owner ☐agent for the owner of the subject property. I understand that the installation on the Application is not in total compliance with the Rules. Should the proposed system malfunction, I release all concerned provided they have performed their duties in a reasonable and proper manner, and I will promptly notify the Local Plumbing Inspector and make any corrections required by the Rules. By signing the variance request form, I acknowledge permission for representatives of the Department to enter onto the property to perform such duties as may be necessary to evaluate the variance request.

_____ _____

☐SIGNATURE OF OWNER
☐AGENT FOR THE OWNER DATE

MUNICIPAL OFFICER(S) (Selectman, Councilman, Alderman, Mayor, Town Manager)

We, the Municipal Officer(s) of _____ have reviewed this application and are aware that the applicant is applying for a First Time System Variance to the Subsurface Wastewater Disposal Rules because the proposed system does not meet all requirements of the rules. The proposed variance request ☐does ☐does not comply with all Municipal Ordinances relating to subsurface wastewater disposal.

_____ _____

SIGNATURE FOR THE MUNICIPALITY TITLE DATE

LOCAL PLUMBING INSPECTOR - Approval at local level

The local plumbing inspector shall review all First Time System Variance requests prior to rendering a decision.
I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (☐does ☐does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone.
Therefore, I (☐do ☐do not) approve the requested variance. I (☐will ☐will not) issue a permit for the system's installation as proposed by the application.

_____ _____

LPI Signature Date

LOCAL PLUMBING INSPECTOR - Referral to the Department

The local plumbing inspector shall review all First Time System Variance requests prior to forwarding to the Division of Health Engineering.
I, _____, the undersigned, have visited the above property and find that the variance request submitted by the applicant does not conform with certain provisions of the wastewater disposal rules. The variance request submitted by the applicant is the best alternative for a subsurface wastewater disposal system on this property. The proposed system (☐does ☐does not) conflict with any provisions controlling subsurface wastewater disposal in the shoreland zone.
Therefore, I (☐do ☐do not) recommend the issuance of a permit for the system's installation as proposed by the application.

N/A _____

LPI Signature Date

FOR USE BY THE DEPARTMENT ONLY

The Department has reviewed the variance(s) and (☐does ☐does not) give its approval. Any additional requirements, recommendations, or reasons for the Variance denial, are given in the attached letter.

N/A

_____ _____

SIGNATURE OF THE DEPARTMENT DATE

Note: 1. Variances for soil conditions may be approved at the local level as long as the total point assessment is at least the minimum allowed. (See Section 1902.0 for Municipal Review.)
2. Variances for other than soil conditions or soil conditions beyond the limit of the LPI's authority are to be submitted to the Department for review. (See Section 1901.0 for Department Review.) The LPI's signature is required on these variance requests prior to sending them to the Department.