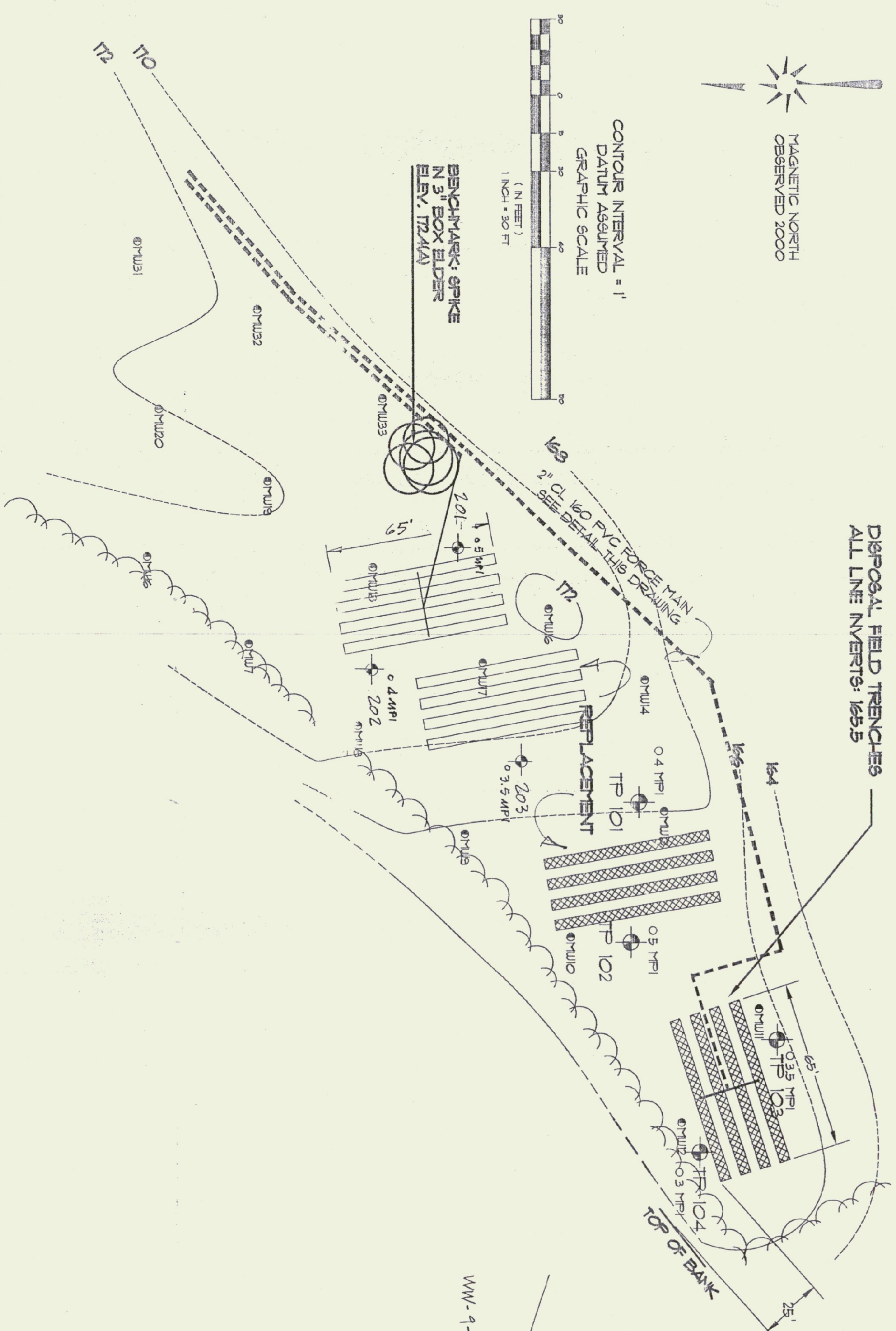




CONTour INTERVAL = 1'  
 DATUM ASSUMED  
 GRAPHIC SCALE  
 1" = 30 FT  
 (N FEET)



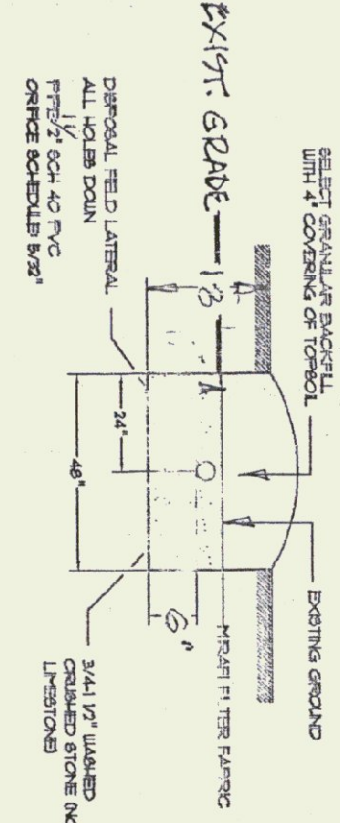
DISPOSAL FIELD TRENCHES  
 ALL LINE INVERTS: 165.5

**DESIGN CRITERIA**

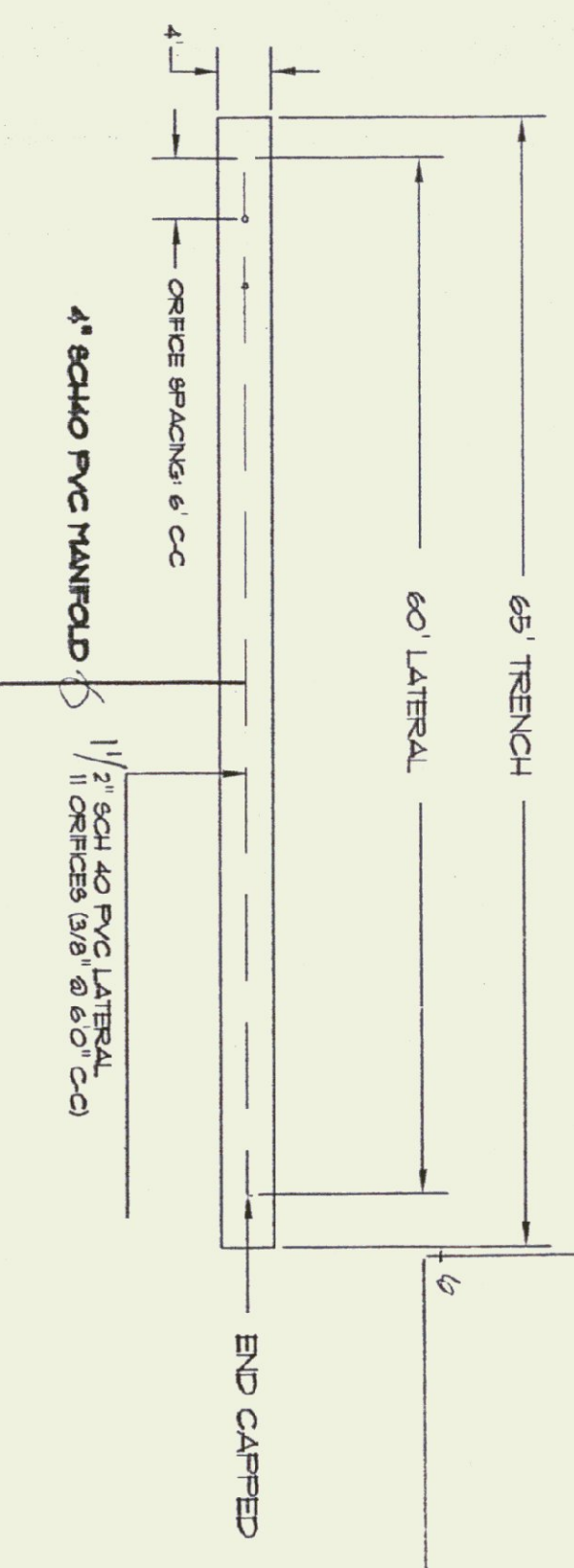
- COMMERCIAL BLDG: 300 GALLONS PER DAY
  - 3,000 GPD/1/2 GAL PER SQUARE FOOT = 250 SQUARE FEET
  - 2,500 GPD/1/2 GAL PER SQUARE FOOT = 250 LINEAR FEET
  - 60" LAY LINES @ 10" LINEAR FEET PER TRENCH
  - SEPTIC TANK SIZE: 1000 GPD
  - USE 2000 GALLON SEPTIC TANK/PUMP STATION
- NOTE: USE 4x6x5' LINES TO PROVIDE CAPACITY FOR 1000 GPD SYSTEM. FUTURE APPLICATION AHEAD TO AHEAD FOR WASTEWATER FROM 300 GPD TO 1000 GPD.

**DISPOSAL FIELD TRENCH INSTALLATION NOTES**

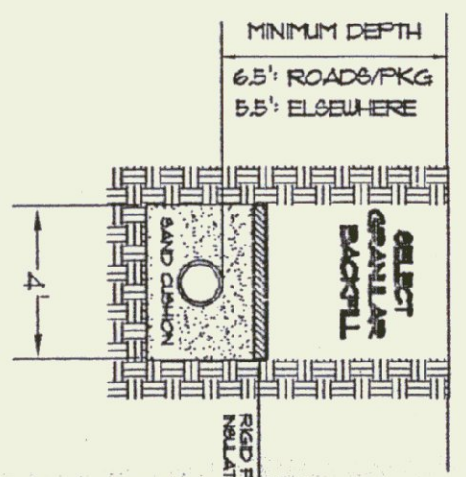
1. ALL TRENCHES WILL BE INSTALLED IN ACCORDANCE WITH THESE PLANS AND THE FIELD LAYOUT CONFORMED BY THE DEPTH SHOWN. ENSURING THAT THE TRENCH BOTTOM IS FLAT AND THE BOTTOM AND SIDES OF THE TRENCH SHALL BE RAKED PRIOR TO THE PLACEMENT OF STONE.
2. STONE SHALL BE HARD AND DURABLE (LIMESTONE, SHALE OR MARBLE NOT ACCEPTABLE) AND BE EITHER CRUSHED STONE OR SCREENED GRAVEL RANGING FROM 3/4" TO 1 1/2" IN SIZE.
3. THE TRENCH SHALL BE 6" DEEP AND 6" WIDE.
4. THE TRENCH SHALL BE 6" DEEP AND 6" WIDE.
5. AFTER BACKFILLING THE TRENCH TO THE REQUIRED DEPTH, THE PIPE WILL BE PLACED AROUND THE ENTIRE LENGTH OF THE PIPE BARREL TO PROVIDE UNIFORM SUPPORT.
6. AFTER PLACEMENT OF THE PIPE AND BEDDING, THE TRENCH WILL BE BACKFILLED WITH CLEAN GRANULAR MATERIAL THAT IS FREE OF ANGULAR OR LARGE STONE (4" MIN. DIMENSION) WITHIN 12" OF THE PIPE BACKFILL MATERIAL WILL BE COMPACTED IN 12" LAYERS WITH A PORTABLE VIBRATOR UNIT.
7. AFTER BACKFILLING, THE PIPE WILL BE SUBJECTED TO THE FREESTONE TEST SPECIFIED ELSEWHERE IN THESE DRAWINGS.
8. SUFFICIENT COVER IS NOT AVAILABLE OR IF THE PIPE WILL PASS UNDER A TRAVELLED AREA RIGID FOAM INSULATION WILL BE USED AS SHOWN.



**TYPICAL TRENCH and LATERAL**



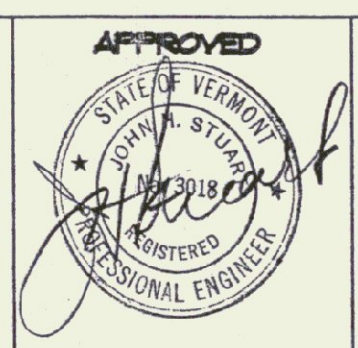
- SOILS DATA (201-203)
- 0.18 TOPSOIL/SANDY LOAM
  - 13.60 FT. MOISTURE @ 30" - 42"
  - 60-84" FINE-MEDIUM SAND



**PIPE TYPICAL TRENCH NOTES**

1. PIPE SHALL BE FREE OF DEFECTS AND SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S AND ENGINEER'S SPECIFICATIONS.
2. THE PIPE SHALL BE INSTALLED IN ACCORDANCE WITH THE GRADE AND DEPTH SHOWN ON THESE DRAWINGS. NO VARIATION WILL BE PERMITTED WITHOUT THE AUTHORIZATION OF THE PROJECT ENGINEER.
3. AFTER BACKFILLING THE TRENCH TO THE REQUIRED DEPTH, THE PIPE WILL BE PLACED AROUND THE ENTIRE LENGTH OF THE PIPE BARREL TO PROVIDE UNIFORM SUPPORT.
4. AFTER PLACEMENT OF THE PIPE AND BEDDING, THE TRENCH WILL BE BACKFILLED WITH CLEAN GRANULAR MATERIAL THAT IS FREE OF ANGULAR OR LARGE STONE (4" MIN. DIMENSION) WITHIN 12" OF THE PIPE BACKFILL MATERIAL WILL BE COMPACTED IN 12" LAYERS WITH A PORTABLE VIBRATOR UNIT.
5. AFTER BACKFILLING, THE PIPE WILL BE SUBJECTED TO THE FREESTONE TEST SPECIFIED ELSEWHERE IN THESE DRAWINGS.
6. SUFFICIENT COVER IS NOT AVAILABLE OR IF THE PIPE WILL PASS UNDER A TRAVELLED AREA RIGID FOAM INSULATION WILL BE USED AS SHOWN.

Department of Environmental Conservation  
 Approved: *[Signature]*  
 Permit #: *VER-5-03214*  
 Date: *12/11/2000*



**JOHN AND IRENE PIERCE**  
 FERRISBURGH, VERMONT  
 WASTEWATER SYSTEM PLAN AND DETAILS

NOVEMBER 2000

DRAWING 1 OF 3

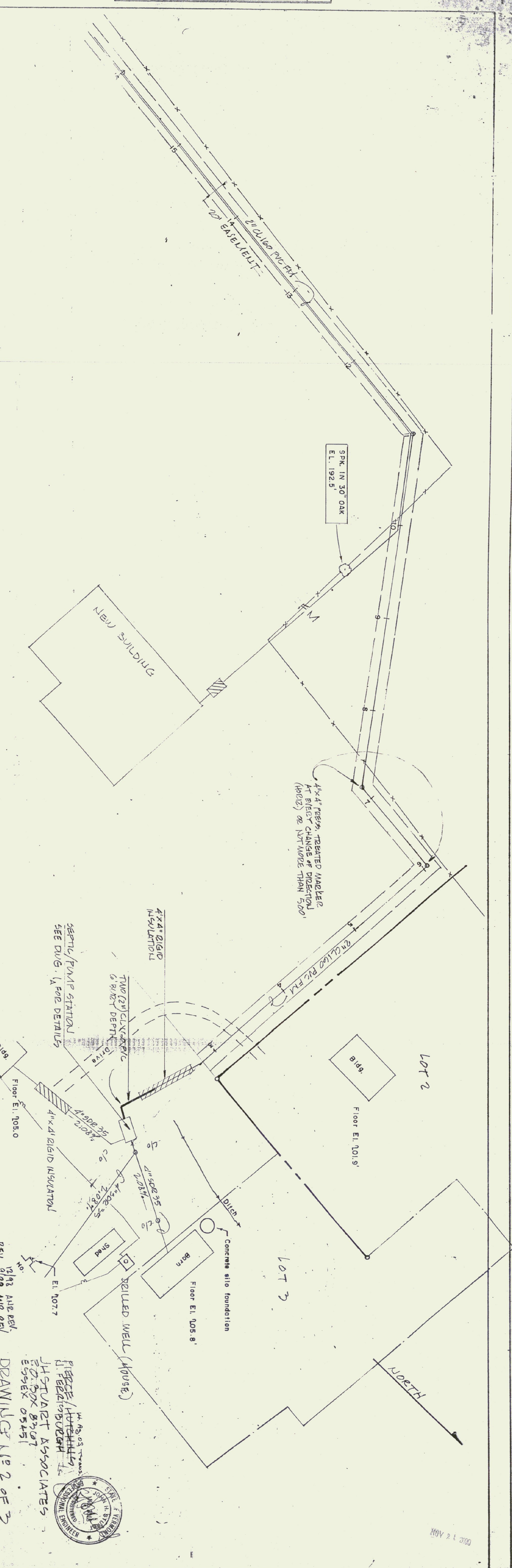
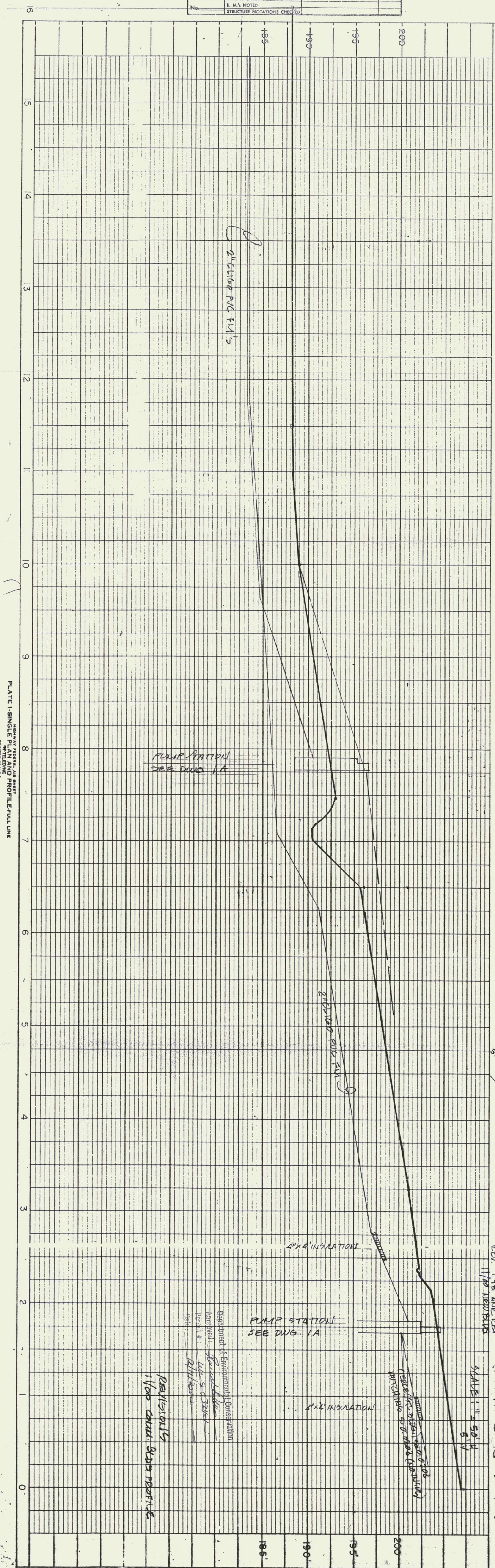
**JH STUART ASSOCIATES**  
 87 SOUTH MAIN STREET P.O. BOX 185  
 WATERBURY, VERMONT 05676 802-244-7602

REV 11/00 WELL-FIELD  
 12/00 LAT SIZE



PROFILE NOTE BOOK No.	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		

PLAN NOTE BOOK No.	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		



HIGHER FEDERAL AB SHEET  
 PLATE 1 SINGLE PLAN AND PROFILE FULL LINE  
 PRINTED IN U.S.A.

JOHN PIERCE

Department of Environment & Conservation  
 Approved: *[Signature]*  
 Permit No. 415-5-03344  
 Date: 1/11/2005

PERMITS  
 11/00 CIVIL 5203 PROFILE

PUMP STATION  
 SEE DWG. 1A

2" CLIP 160 PVC FM  
 2" CLIP 160 PVC FM

2" CLIP 160 PVC FM

4"x4" INSULATION

4"x4" INSULATION

(See note above for details)  
 PITCH 1/4" TO 0' (1/4" PER FOOT)

1/2" AIR REL.  
 DEV. 11/70 HERRINGS

DRAWING NO 2 OF 3

PIERCE/HUTCHINS  
 J. STUART ASSOCIATES  
 P.O. BOX 82007  
 ESSEX 05421



001 1 2 300

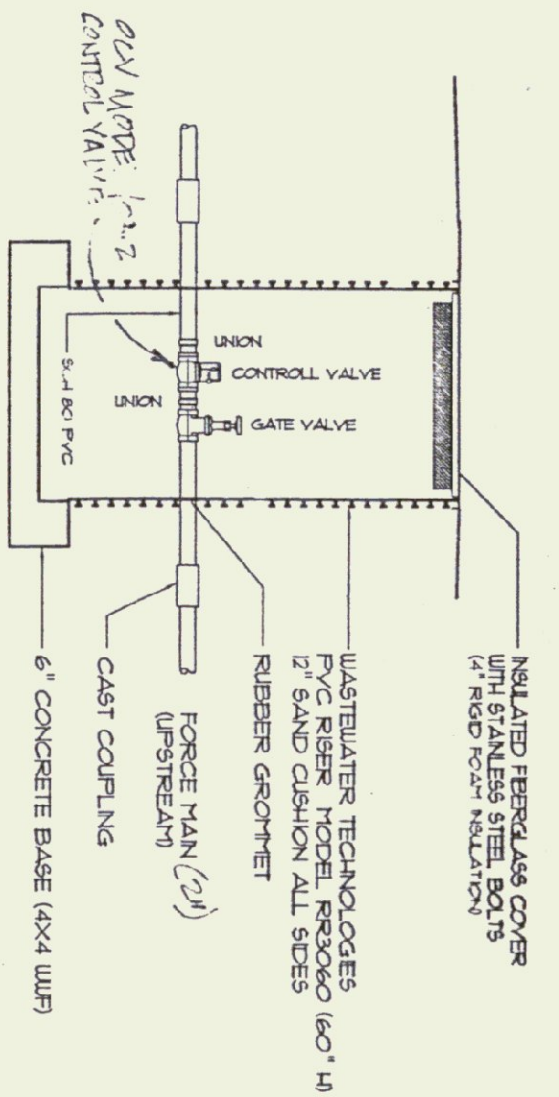
PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
No.	ALIGNMENT CHECKED		
	ET. OF WAY CHECKED		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
No.	GRADES CHECKED		
	ET. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHECKED		

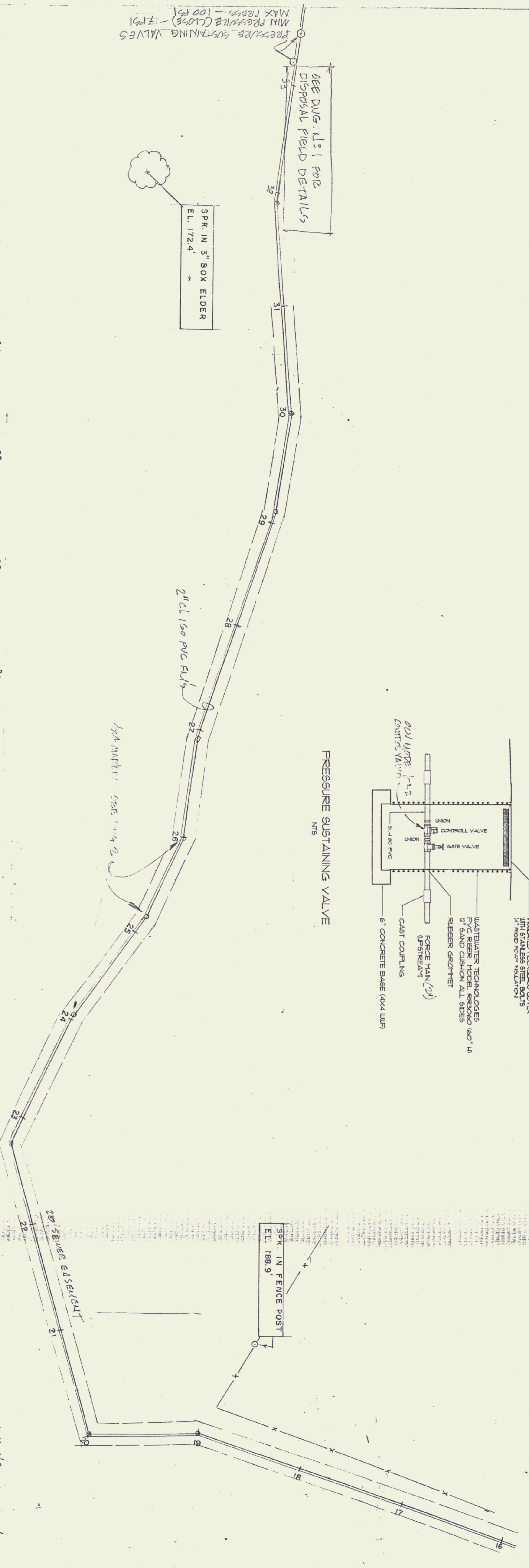
SEE DVG. U-1 FOR  
DISPOSAL FIELD DETAILS

SPK IN 3" BOX ELDER  
EL. 172.4

PRESSURE SUSTAINING VALVE



North



REV 9/13 AUC. REV  
1/2007 AUC. REV  
SCALE: 1" = 50' H  
1" = 50' V  
FEEDE / HATCH  
IN FEDERAL BUREAU  
DRAWING U-1 OF 3  
JHSTUART ASSOCIATES  
PO BOX 8367 ESSEX 05451

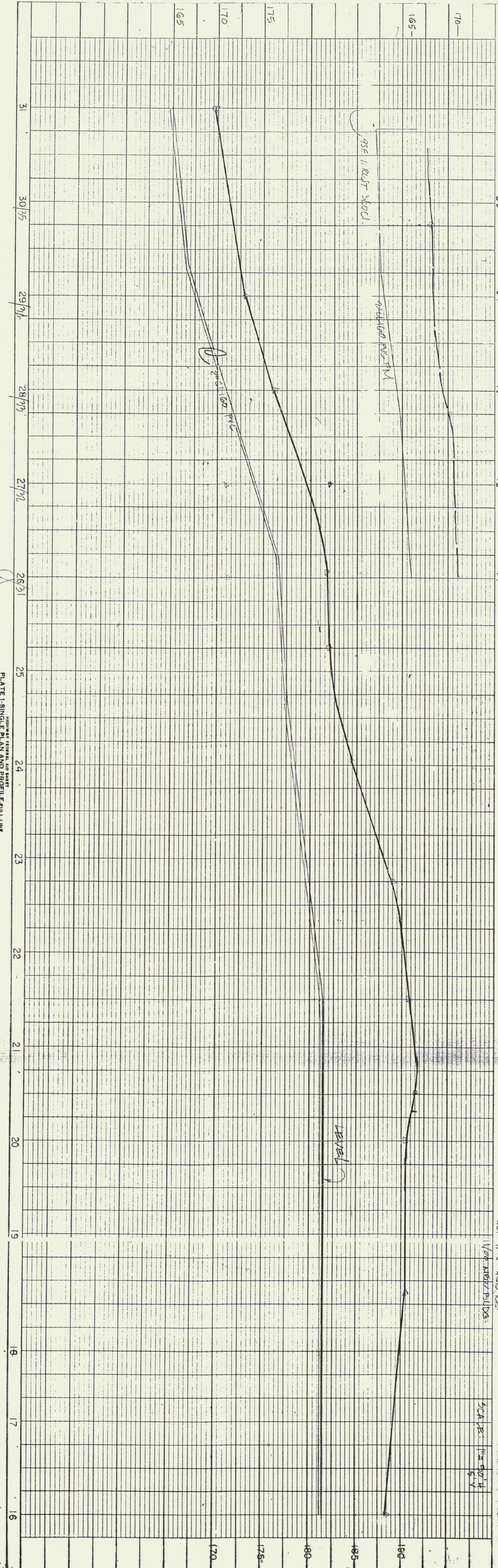
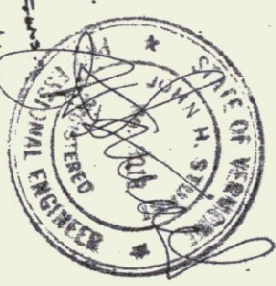


PLATE 1 SINGLE PLAN AND PROFILE FULL LINE