

SCALE 1"=100'

BACKSIGHT DESCRIPTIONS

- BM #1 - TOP OF SPIKE IN WEST SIDE OF UTILITY POLE ON S SIDE W. BY 490 WEST OF N.E. CORNER OF FARM M.S.L. ELEV. 616.26
- BM #2 - TOP OF FENCE 1/4" ELEV. OR OIL LINE DISCHARGE PIPE 520' E. OF OIL WELL M.S.L. ELEV. 620.16
- BM #3 - TOP OF SPIKE IN N.W. SIDE OF UTILITY POLE AT N.E. CORNER OF FARM M.S.L. ELEV. 617.98

DESIGN CHART #

MAIN	STATION	TILE SIZE	GRADE %	CAP 7/16" DIA.	FEET DRAINED	ELEV.
A	0+00	10"	0.10	33.5	32.0	611.70
	10+15	8"	0.12	22.8	22.1	612.73
	23+25	6"	0.12	10.5	10.0	614.23
	29+75	-	-	-	-	615.06
B	0+00	6"	0.10	9.7	7.0	613.50
	22+25	-	-	-	-	615.13
C*	0+00	6"	0.10	9.7	7.7	616.10
	1+00	-	-	-	-	616.80

* NOTE - ALL MAINS DESIGNED FOR SEPARATED PLASTIC DRAINAGE TUBING (C.P.D.T.) 3/8" PER 24 HR. COEFFICIENT. MINIMUM 24" COVER @ 0.10% GRADE ON LATERALS.

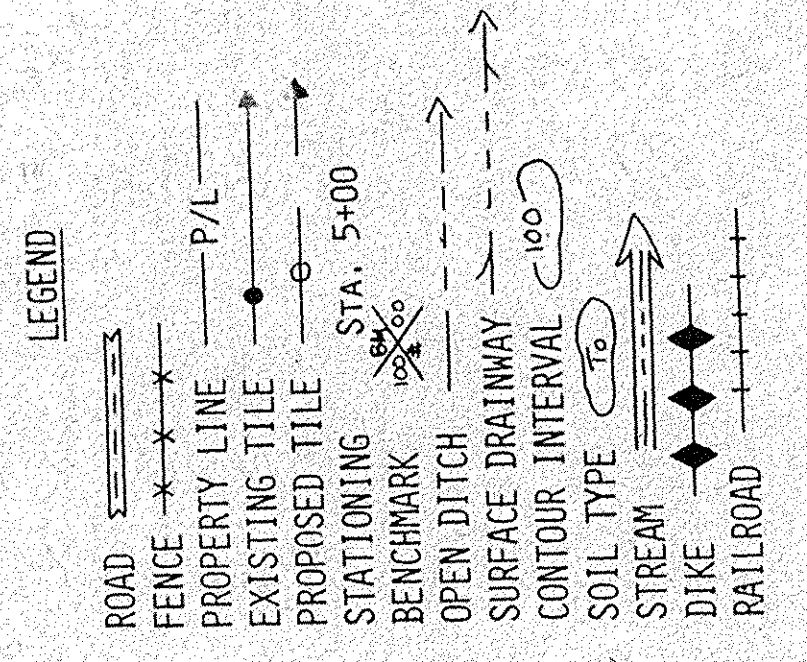
BILL OF MATERIALS

- 16'-10" RIGID PIPE WITH ANNUAL GROUND
- 1009'-10" C.P.D.T.
- 50'-10" S.D.R. 35 RIGID PIPE
- 1,250'-8" C.P.D.T.
- 3,575'-6" C.P.D.T.
- 39,250'-4" C.P.D.T. (APPROX. SACS AT 35' SPACINGS & 25' SACS AT 40' SPACINGS)

NOTE: LATERALS A-1 THROUGH A-23 ARE 8'-9" THROUGH B-11 AT 35' SPACINGS. ALL OTHER LATERALS AT 40' SPACINGS.

MAINTENANCE

The crop rotation should contain deep-rooted legumes and grass crops to keep the soil in a condition so that water can get to the tile. Regular inspection and prompt repairs to your system are essential. The outlet must be kept open and free of silt and debris at all times.



Tile spacing 40' ft. Exceptions noted on plan. Minimum depth of laterals 30". Average 36" to 42". Use manufactured connections. Cap between tile 1/8" to 1/4" (if clay or concrete). Blind tile with tansoil. Tile outlets into open channels should be guarded to exclude rodents. Tile outlets into open channels should be guarded by metal pipe extended from ditch bank. Tile mains laid on a greater slope than 1.0% should be laid close and earth tamped around the tile. Acres benefited 40. SEE PAGE 0474.5 Special conditions. NOTE: See attached construction and material specifications entitled "Subsurface Drain-606" for more information.

SEE ATTACHED CONSTRUCTION SPECIFICATIONS

CONSTRUCTION APPROVED BY:

Plan Approved By: *[Signature]* 10/29/92
 OTAWA COUNTY ENGINEER DATE

NOTE TO EXCAVATOR
 Excavator must notify all utilities at least 48 hours and not more than 10 days prior to the planned commencement of excavation.
 1. Member utilities will be contacted by calling OUPS (1-800-362-2764).
 2. Each Limited Basis Participant and members of the Ohio Oil and Gas Association will be contacted by the excavator using the telephone number provided.

O.U.P.S. REF # 918ER573

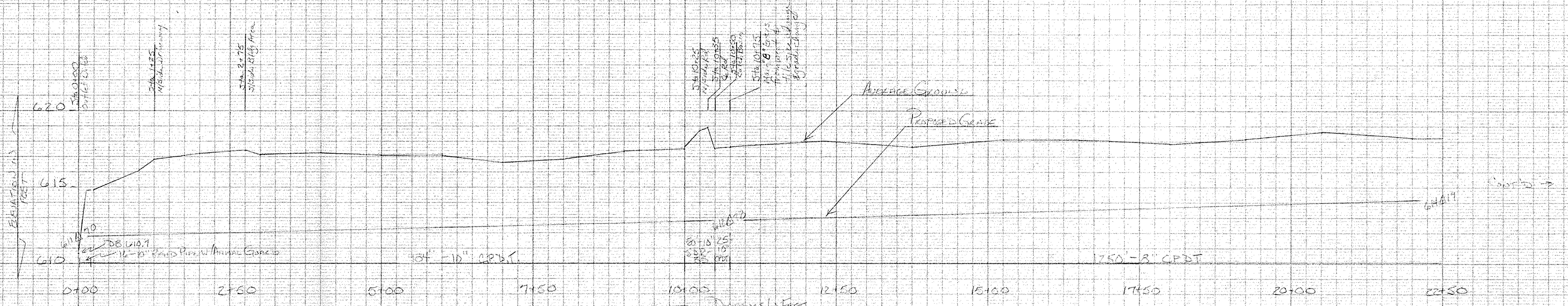
Job Class III

SUBSURFACE DRAINAGE PLAN
 Tom & Robert Vacašek # 1267
 Sec. 14, Harris Twp, Ottawa Co.

U. S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE

Designed: <i>[Signature]</i>	Date: 9/92	Approved by: _____	Title: _____
Drawn: <i>[Signature]</i>	Date: 9/92	Title: _____	
Traced: _____	Sheet: _____	Drawing No. _____	
Checked: <i>[Signature]</i>	Date: 9/92	No. 1 of 2	39-01-383-92-13

Profile Main 'A'



Profile Main 'A' Cont'd

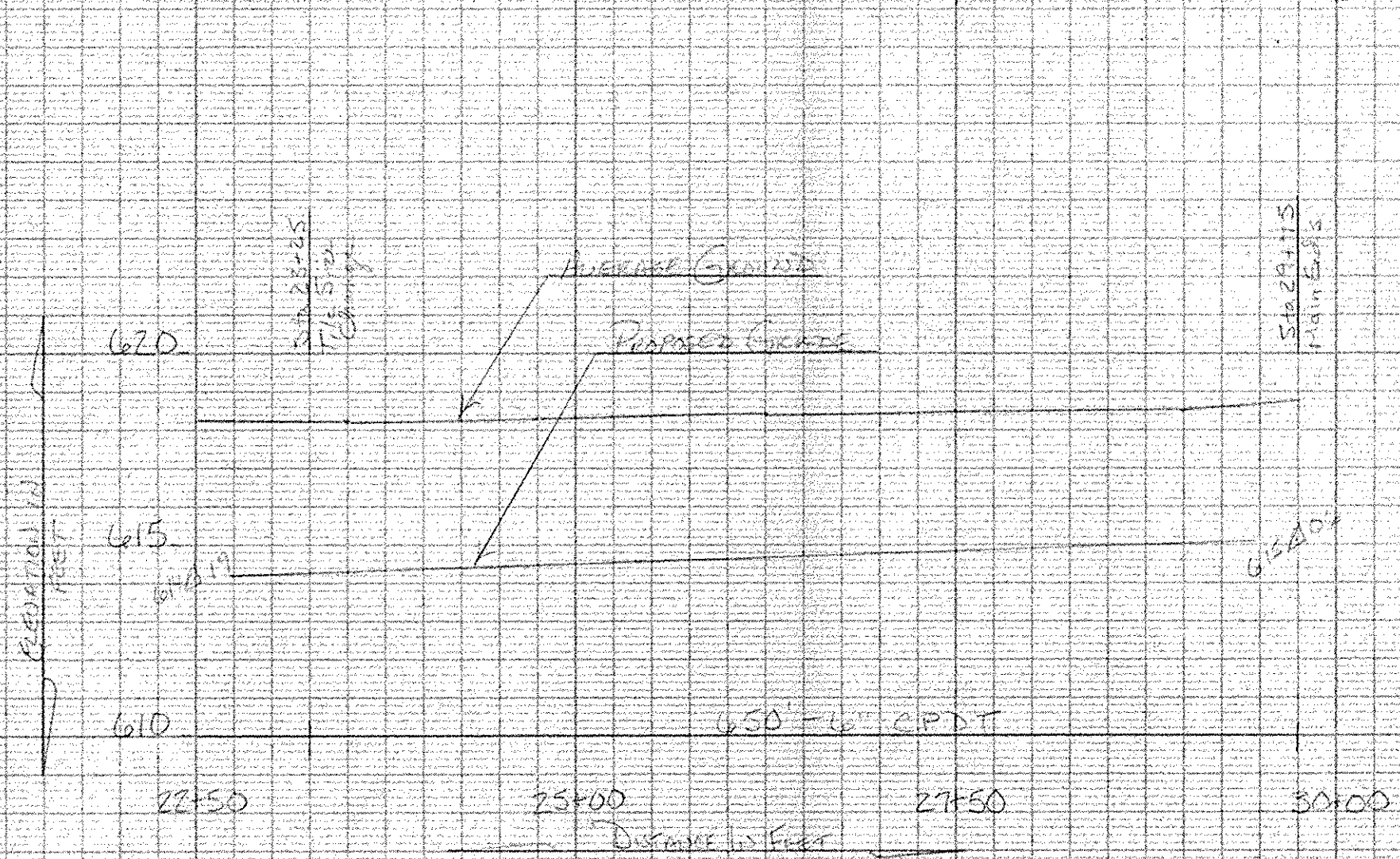
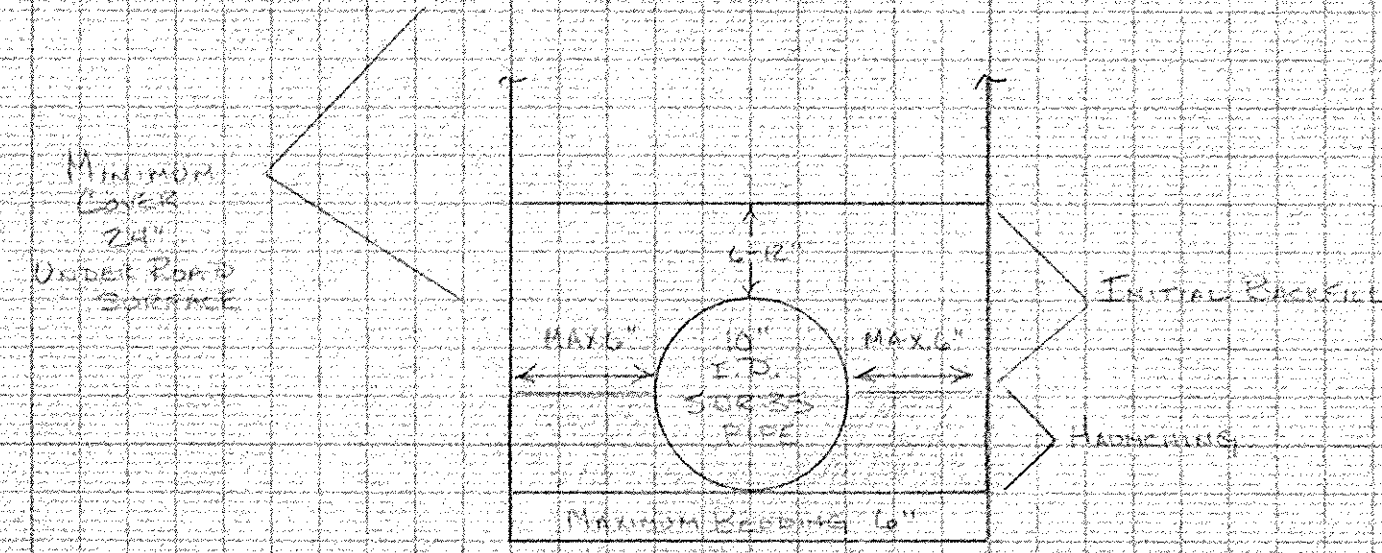


Diagram of Tile Through Road

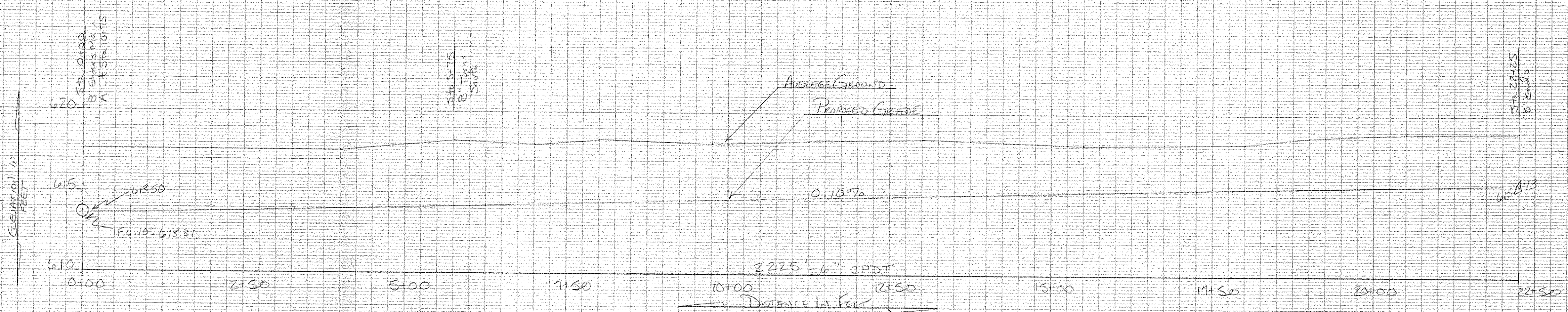


Tile Class III

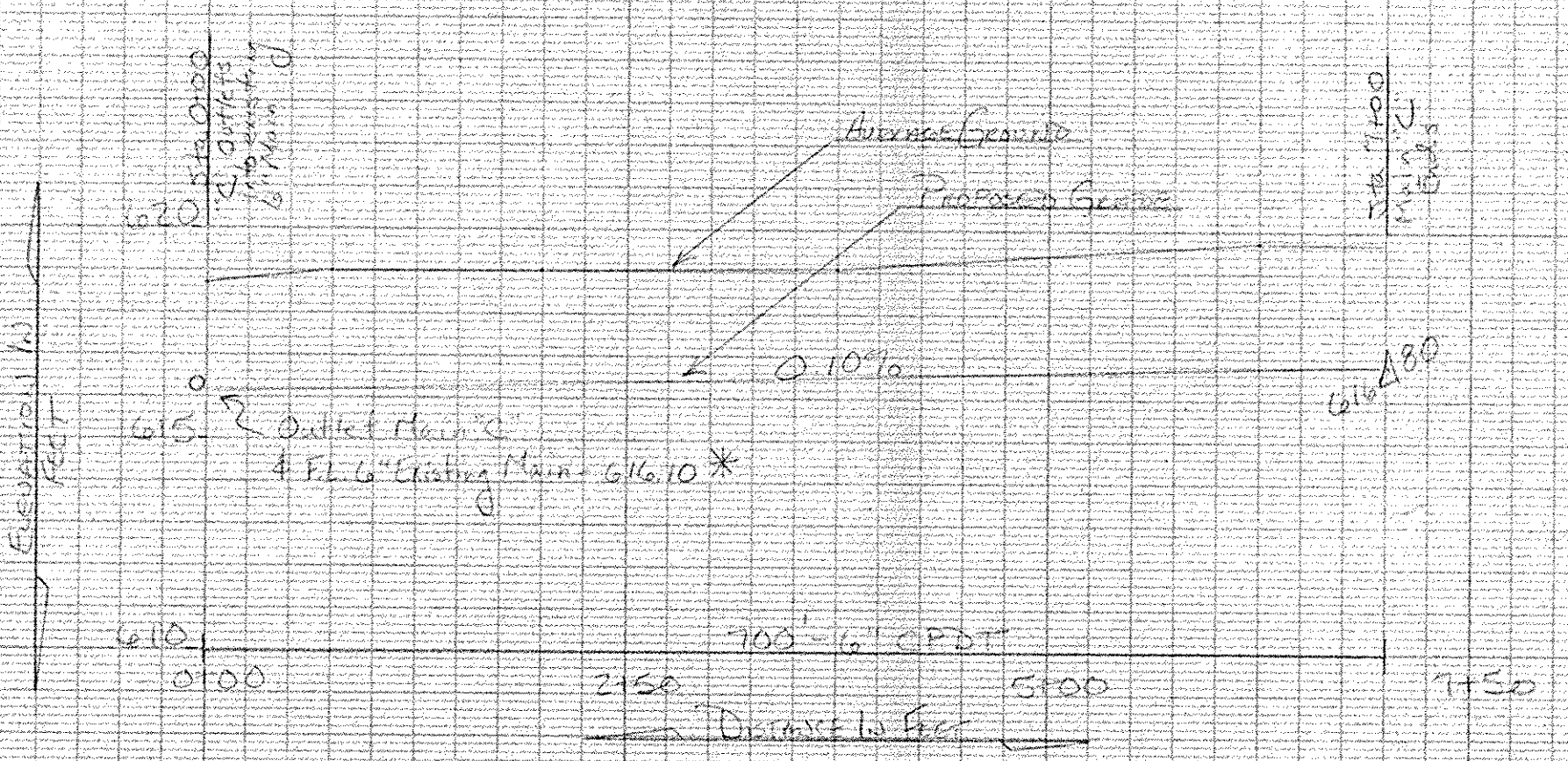
Subsurface Drainage Plan
 Tom & Robert Valasek #1267
 Sec 14 Harris Twp Ottawa Co
 U. S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE

Designed <u>D. American</u>	Date <u>7/92</u>	Approved by _____
Drawn <u>D. American</u>	Title _____	_____
Traced _____	Sheet No. <u>2</u>	Drawing No. _____
Checked <u>M. Dunbar</u>	of <u>3</u>	_____

PROFILE MAIN "B"



PROFILE MAIN "C"



* Existing 6" Main is on 0.10% Grade & has been expanded at convenient locations between outlet of Main C & the existing outlet. There appears to be no barrier into this clay main & the condition of the main is good & clean. The capacity of this main is at least 11 inches dia. at 1/8" (24 hrs. clay on 0.10% grade).

JOB CLASS III

SUBSURFACE DRAINAGE PLAN
 TOM & ROBERT VALASEK #1267
 SEE 14, HARRIS TWP OTWA CO

U. S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE

Designed: <u>D. Duncan</u>	Date: <u>9/92</u>	Approved by:	
Drawn: <u>D. Duncan</u>	Date: <u>9/92</u>	Title:	
Traced:		Title:	
Checked: <u>M. Duncan</u>	Date: <u>9/92</u>	Sheet: <u>3</u>	Drawing No.: