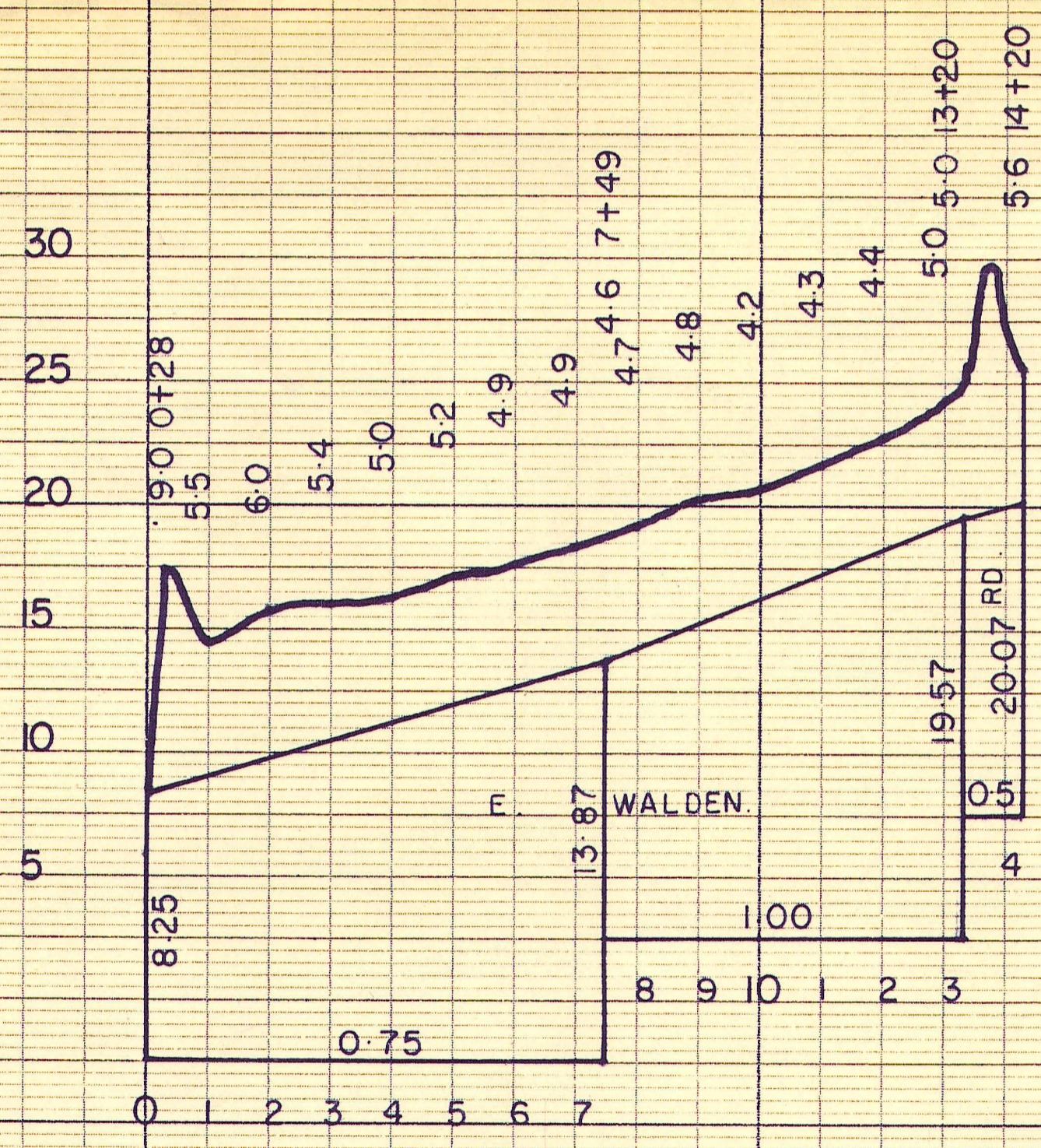


A DRAIN.



**MAIN DRAIN
BENCH MARKS**

1+36	TOP C DOWNSTREAM CONC. CUL.	15.92
13+40	TOP C DOWNSTREAM CONC. CUL.	25.97
A43+10	SPIKE IN FENCE CORNER POST	63.10

**CLEARING WIDTH
100 FT. EACH SIDE OF DRAIN.**

TILE SIZES

0+00	0+10	10ft of 18" dia 16 ga. cor. metal pipe
0+10	7+49	750ft of 16" dia no. 1 field tile
7+49	13+20	571ft of 12" dia no. 1 field tile
13+20	14+20	100ft of 10" dia 16 ga. cor. metal pipe
A0+00	A4+00	400ft of 14" dia no. 1 field tile
A4+00	A11+60	760ft of 12" dia no. 1 field tile
A11+60	A11+80	20ft of 12" dia 16 ga. cor. metal pipe
A11+80	A31+45	1965ft of 12" dia no. 1 field tile
A31+45	A31+65	20ft of 12" dia 12 ga. cor. metal pipe
A31+65	A40+40	875ft of 10" dia no. 1 field tile
A40+40	A40+80	40ft of 10" dia 14 ga. cor. metal pipe
A40+80	A42+00	120ft of 10" dia no. 1 field tile
A42+00	A43+00	100ft of 10" dia 14 ga. cor. metal pipe
A43+00	A43+10	10ft of 10" dia no. 1 field tile

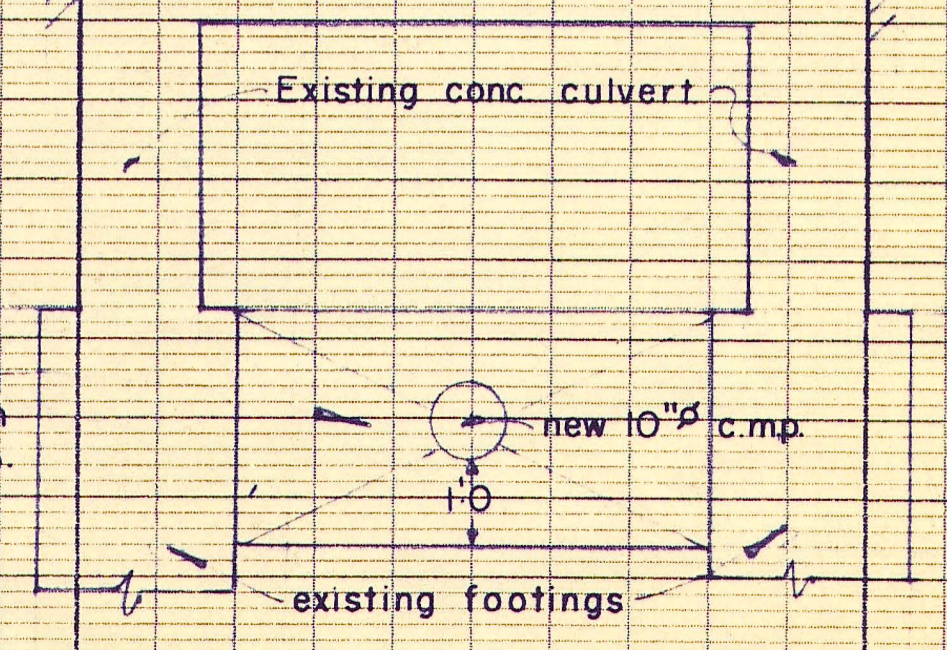
CATCH BASINS

1+35	7+49	13+20	14+20
A12+00	A22+54	A31+60	A40+29
A40+88	A41+90	A42+70	

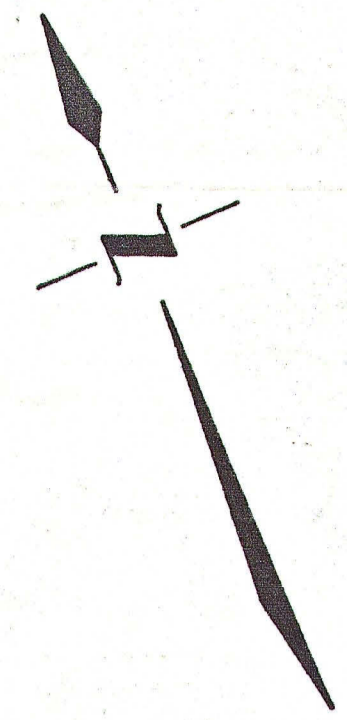
**TOWNSHIP OF HURON
WALDEN DRAIN**

PROJECT NO. 43-8	SCALES: - PLAN 1"=100' PROFILE: HORIZ. 1"=400' VERT. 1"=10'	DATED 11th. JAN. 1965
DESIGN H. M. G.	SKELTON GIBSON ASSOCIATES MUNICIPAL ENGINEERS LONDON.	CHECKED H. M. G.
DRWG. NO. 1 OF 1		

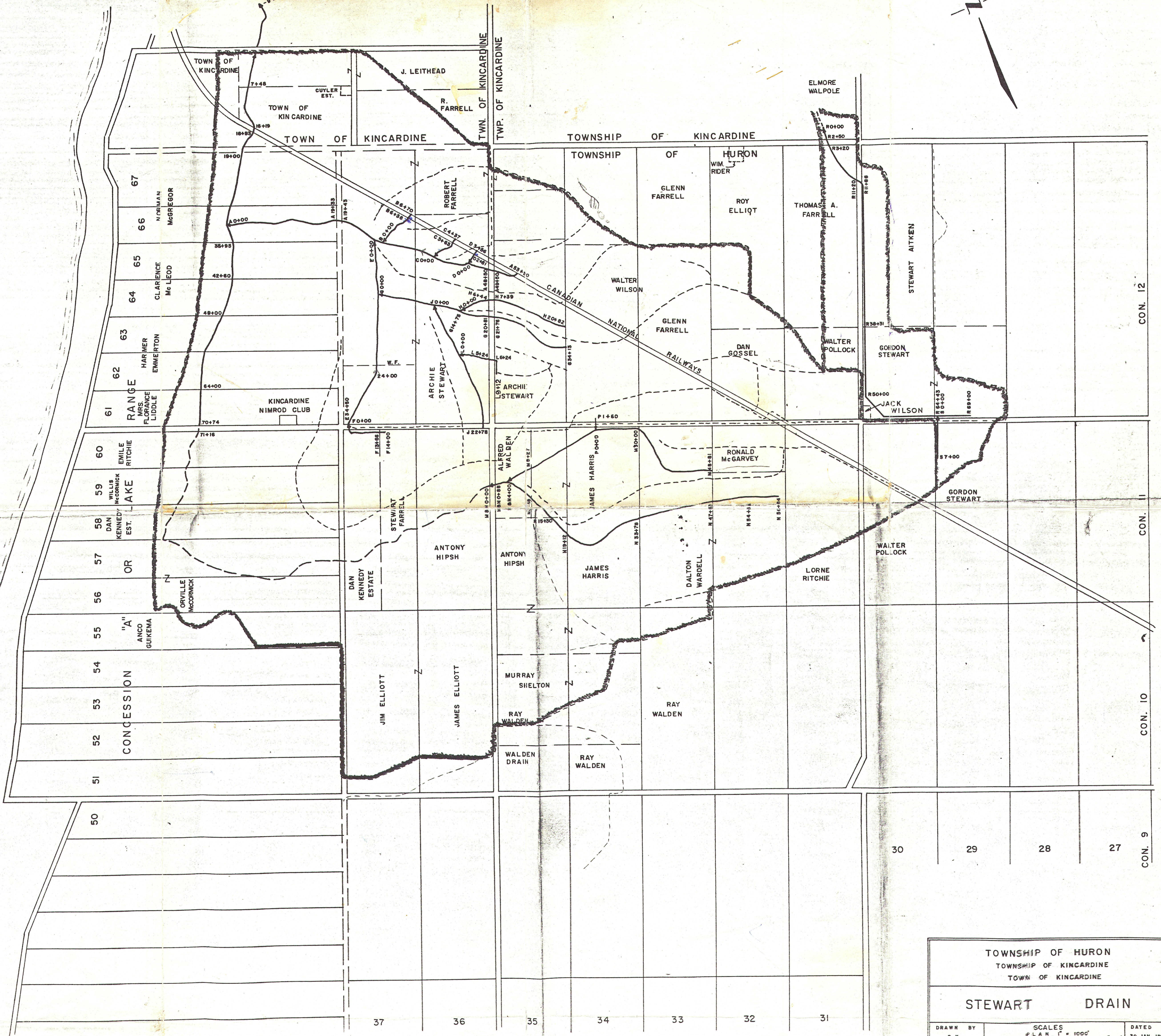
NOTE 2/10" thick conc. walls are to be constructed at each end of culvert. Top of wall to be level with top of culvert footing, bottom to be 1'0" below inv. of 10" c.m.p.



DETAIL OF C.M.P. THRU CULVERT AT STA. 13+40 & 14+00



LAKE HURON



CON. 12

CON. 11

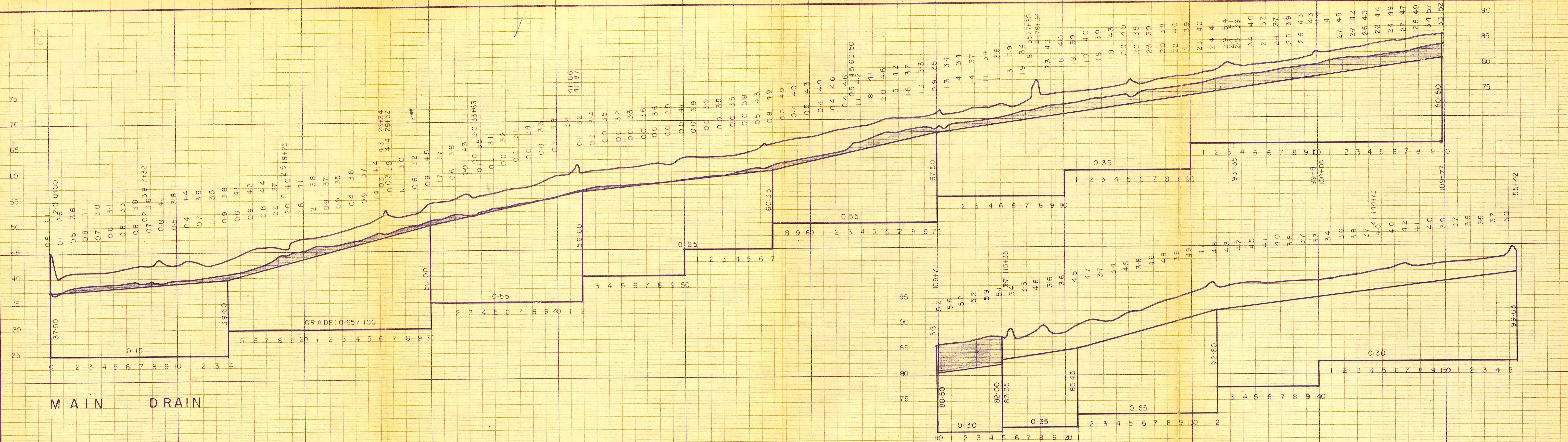
CON. 10

CON. 9

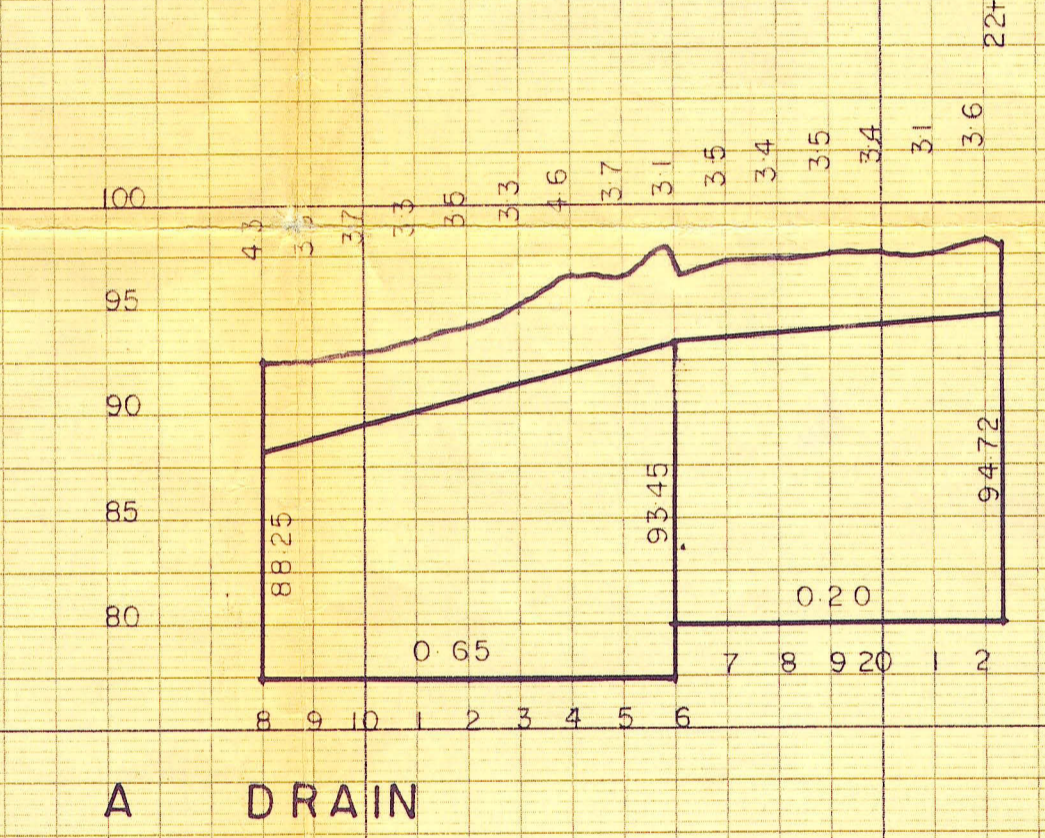
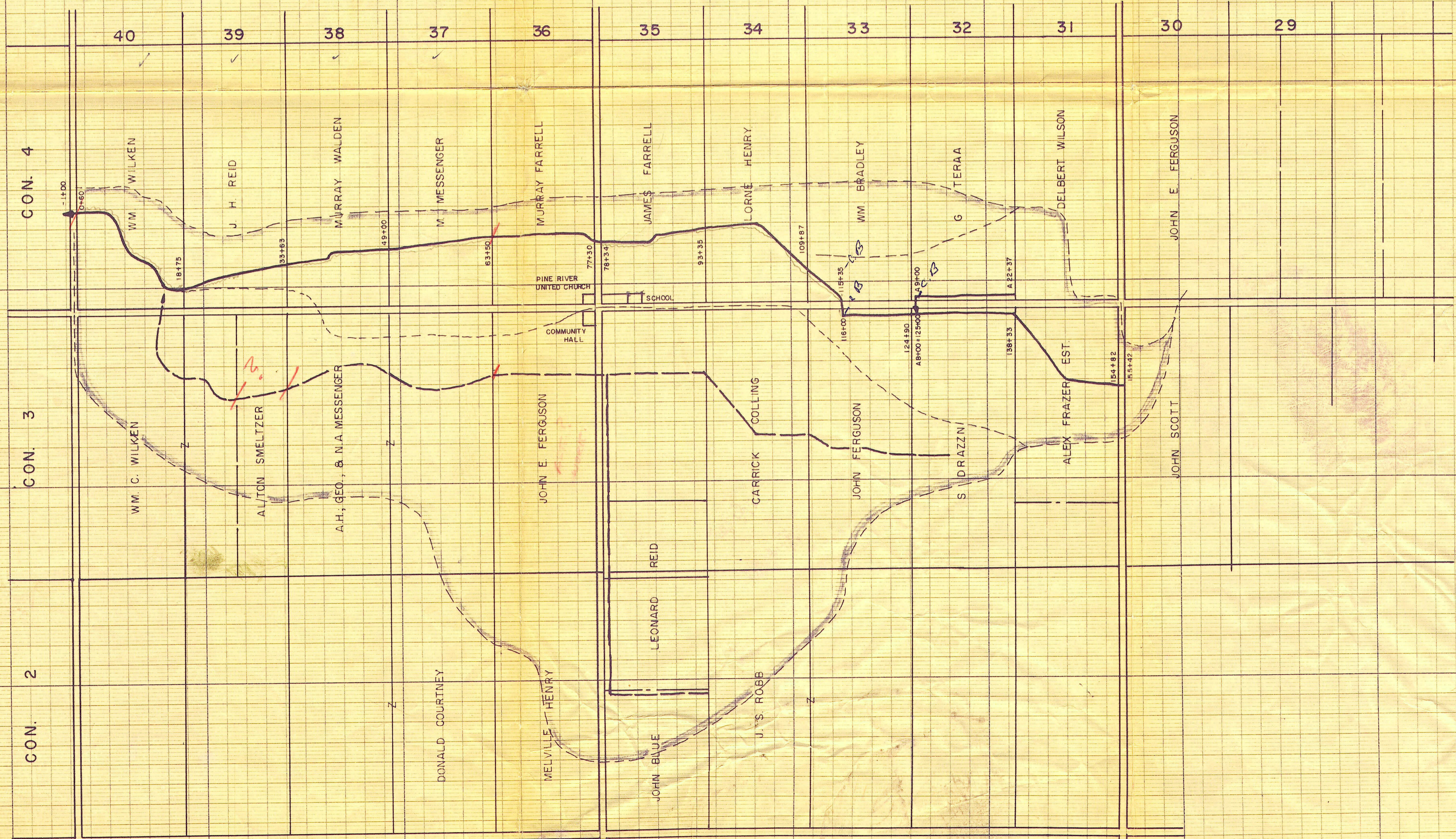
30 29 28 27

37 36 35 34 33 32 31

TOWNSHIP OF HURON TOWNSHIP OF KINCARDINE TOWN OF KINCARDINE		
STEWART DRAIN		
DRAWN BY G.K.	SCALES PLAN 1" = 1000' PROFILE HORIZ. 1" = 400' VERT. 1" = 10'	DATED 30 JAN. 1968
DESIGN BY H.M.G.	H. M. GIBSON LTD. CONSULTING ENGINEER LONDON	FILE NO. 43-19
CHECKED BY H.M.G.		DRAWING NO. 1 OF 3



MAIN DRAIN



A DRAIN

BENCH MARKS

0+45	TOP	UPSTREAM CULVERT	43.58
8+50	TOP	DOWNSTREAM CULVERT	43.78
17+50	TOP	DOWNSTREAM (Nesbitt drain) 275' S	50.00
26+34	B.C.O.S.	5" BOILER	47.96
33+08		SPIKE IN 8" TREE	56.18
40+00		SPIKE IN 48" ELM	60.59
63+50		NAIL IN CORNER POST	69.83
69+85		NAIL IN POST	71.96
77+95	TOP	DOWNSTREAM CULV	76.02
84+95		NAIL IN POST	77.85
85+20	TOP	DOWNSTREAM CULV	77.79
115+50	TOP	DOWNSTREAM 35" CULV	87.73
118+11	TOP	DOWNSTREAM 2'5" C.I.P.	89.14
155+00	TOP	DOWNSTREAM 1'0" C.I.P.	103.24
A22+37	TOP	POINT ON 1x1' GREY BOULDER IN FENCE COR.	98.73

BOTTOM WIDTHS

3'-0" BOTTOM 1:1 SIDESLOPES

TILE SIZES

115+00 - 115+20	20'	OF 16"	16 GA. C.M.P.
115+20 - 115+45	25'	OF 14"	NO. 1 FIELD TILE
115+45 - 115+85	40'	OF 15"	14 GA. C.M.P.
115+85 - 118+10	225'	OF 14"	NO. 1 FIELD TILE
118+10 - 118+30	20'	OF 15"	16 GA. C.M.P.
118+30 - 121+00	270'	OF 14"	NO. 1 FIELD TILE
121+00 - 125+00	400'	OF 12"	NO. 1 FIELD TILE
125+00 - 131+70	670'	OF 10"	NO. 1 FIELD TILE
131+70 - 131+90	20'	OF 10"	16 GA. C.M.P.
131+90 - 138+33	644'	OF 10"	NO. 1 FIELD TILE
138+33 - 146+70	837'	OF 8"	NO. 1 FIELD TILE
146+70 - 146+90	20'	OF 8"	16 GA. C.M.P.
146+90 - 154+92	802'	OF 7"	NO. 1 FIELD TILE
154+92 - 155+32	40'	OF 8"	16 GA. C.M.P.
155+32 - 155+42	10'	OF 7"	NO. 1 FIELD TILE
A8+00 - A8+45	45'	OF 8"	NO. 1 FIELD TILE
A8+45 - A8+85	40'	OF 8"	16 GA. C.M.P.
A8+85 - A9+10	25'	OF 8"	NO. 1 FIELD TILE
A9+10 - A15+70	660'	OF 7"	NO. 1 FIELD TILE
A15+70 - A15+90	20'	OF 8"	16 GA. C.M.P.
A15+90 - A22+37	647'	OF 7"	NO. 1 FIELD TILE

CATCH BASINS

A 9+10	116+00	155+42
--------	--------	--------

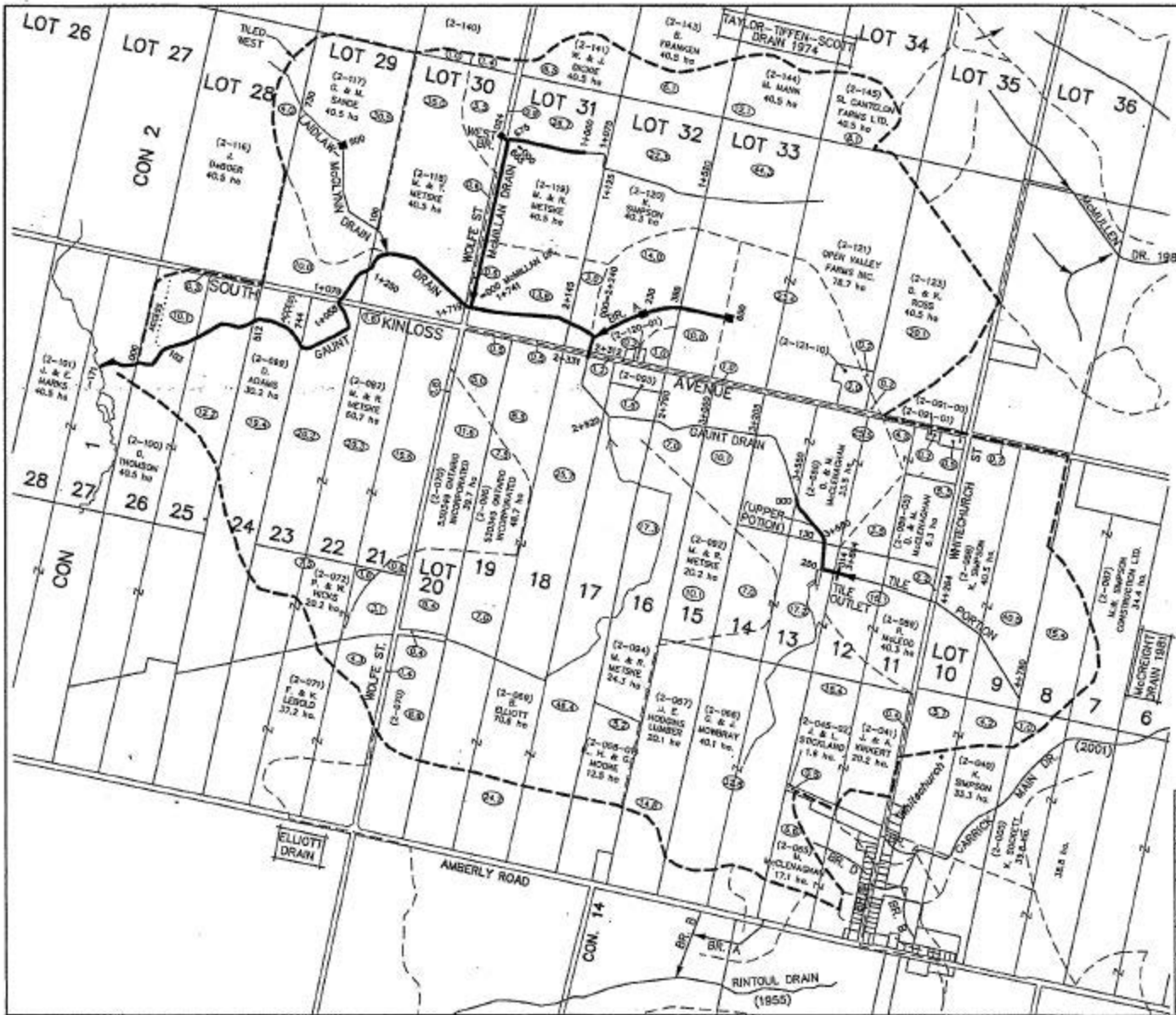
REV'D 14th SEPT 1966

TOWNSHIP OF HURON

WILKEN DRAIN

DRAWN	T W S	SCALE PLAN 1" = 1000'	DATE
DESIGN	H M G	PROFILE HORIZ. 1" = 400' VERT. 1" = 10'	20 JULY 1966
CHECKED		SKELTON-GIBSON Associates	PROJECT NO. 43-15
		CONSULTING ENGINEERS	DRWG. NO. 43-15-1
		LONDON	

THE POSITION OF POLE LINES, DRAINAGE, WATERWAYS, BARRIERS AND OTHER OVERLAPPING AND OVERLAPPING UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACTY DRAWINGS AND, WHERE SHOWN, THE ACCURACY IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL NOTIFY THE OWNER OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.



SMALL LOT LEGEND		
ROLL NUMBER	OWNER NAME	HA OWNED
(2-045-30)	J. & L. STOKLEAD	1.0 ha
(2-021)	MENONDIATE WHITELOUCH	0.5 ha
(2-094-03)	KENWOOD DAIRY	0.2 ha
(2-025)	GOLDING, KLEIN DAIRY	1.6 ha
(2-120-08)	M. & R. METSKE	0.2 ha
(2-121-10)	R. PICKARD	2.2 ha
(2-140)	W. & H. SANDE	40.5 ha

PLAN LEGEND	
---	MAJOR WATERSHED
- - -	INTERMEDIATE WATERSHED
→	PROPOSED WORK
→	EXISTING DRAIN
---	EXISTING WATERCOURSE
---	ACCESS
2	OWNERS PROPERTY OWNERSHIP ON BOTH SIDES OF LOT LINE
(2-3)	APPROXIMATE HECTARES IN WATERSHED
5.2 ha.	HECTARES OWNED
(2-094)	ASSESSMENT ROLL NUMBER

DESIGNED BY: H.A.M.
 CHECKED BY: J.R.K.
 DRAWN BY: H.A.B.
 CHECKED BY: J.R.K.

SCALE
 1" = 150' 300'
 GRAPHIC SCALE
 PLAN 1:15,000

McMILLAN AND GAUNT DRAINS 2009
 COUNTY OF BRUCE
 TOWNSHIP OF KINLOSS-KINLOSS

WATERSHED PLAN MAR. 2, 2009

RECORD
 JOB NUMBER: 04-201
 DRAWN
 1 OF 6