

T. Selby ✓

MEMORANDUM

30M5-100
GEOCRES No.

afp

TO: Mr. M.W. Robinson,
Regional Services Manager,
Right of Way.

FROM: D.A. Sutherland,
Transportation Systems Office.

DATE: April 7, 1970

OUR FILE REF.

IN REPLY TO

70 F 21

SUBJECT:

Proposed 'GO' Transit Express Bus
Terminal, Highway 403 and King-Main
area, Hamilton. P.R. #69-600.

This will advise that we will not be proceeding with the construction of the above noted site. The cost involved and the construction problems have brought on this decision.

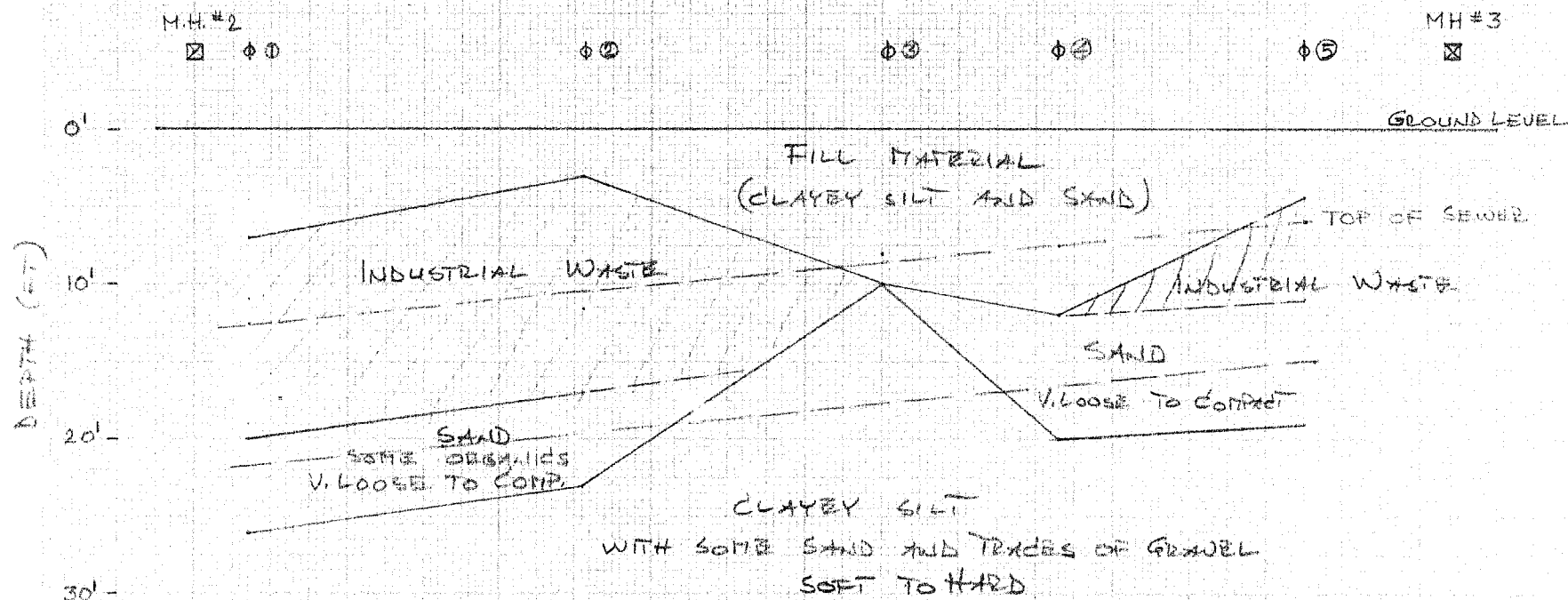
Would you please take the necessary steps to cancel the property request for this site.

ps

D.A. Sutherland,
Transit Studies Engineer.

DAS:sd

Copies to:
Messrs. R.G. Burnfield,
G.K. Hunter,
W.G. Wigle,
H.H. Betts,
K.G. Selby. ✓



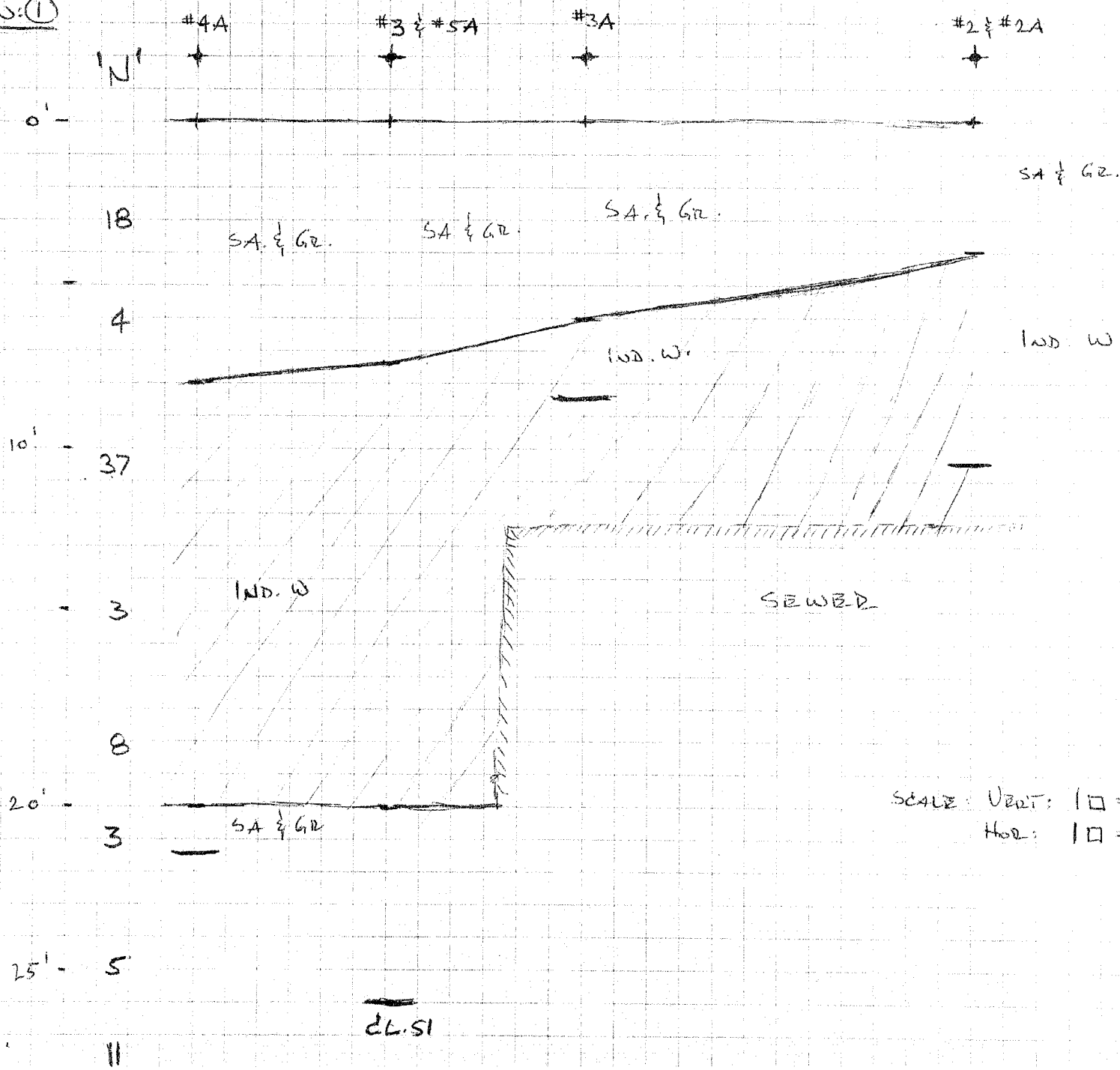
SCALE:

HOR: 1" = 50'

VERT: 1" = 10'

SECTION: ①

G.L. 0'



SECTION 2

#4G

#4E

#4F

'N'

0'

SAND & GRAVEL

24

4

IND. WASTE

10'

SEWER

6

5

20'

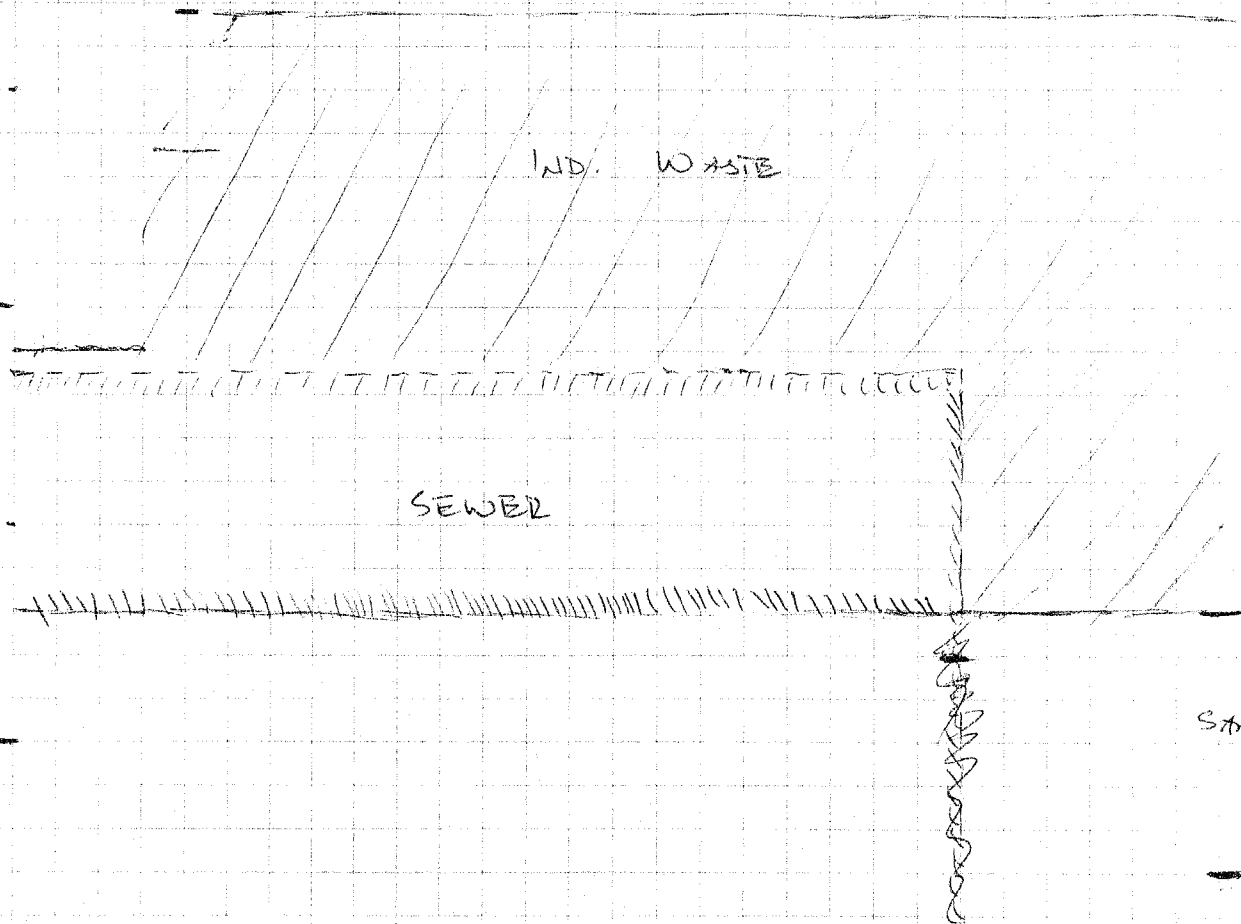
SAND

4

25'

CL. SI

7



SECTION ③

#5M

SI

'N'



FILL

24

15

10' -

SEWER

4

33

CL. SI.

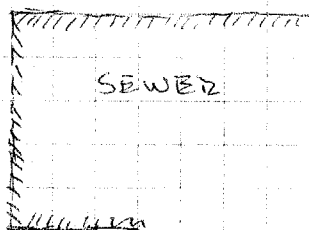
56

40

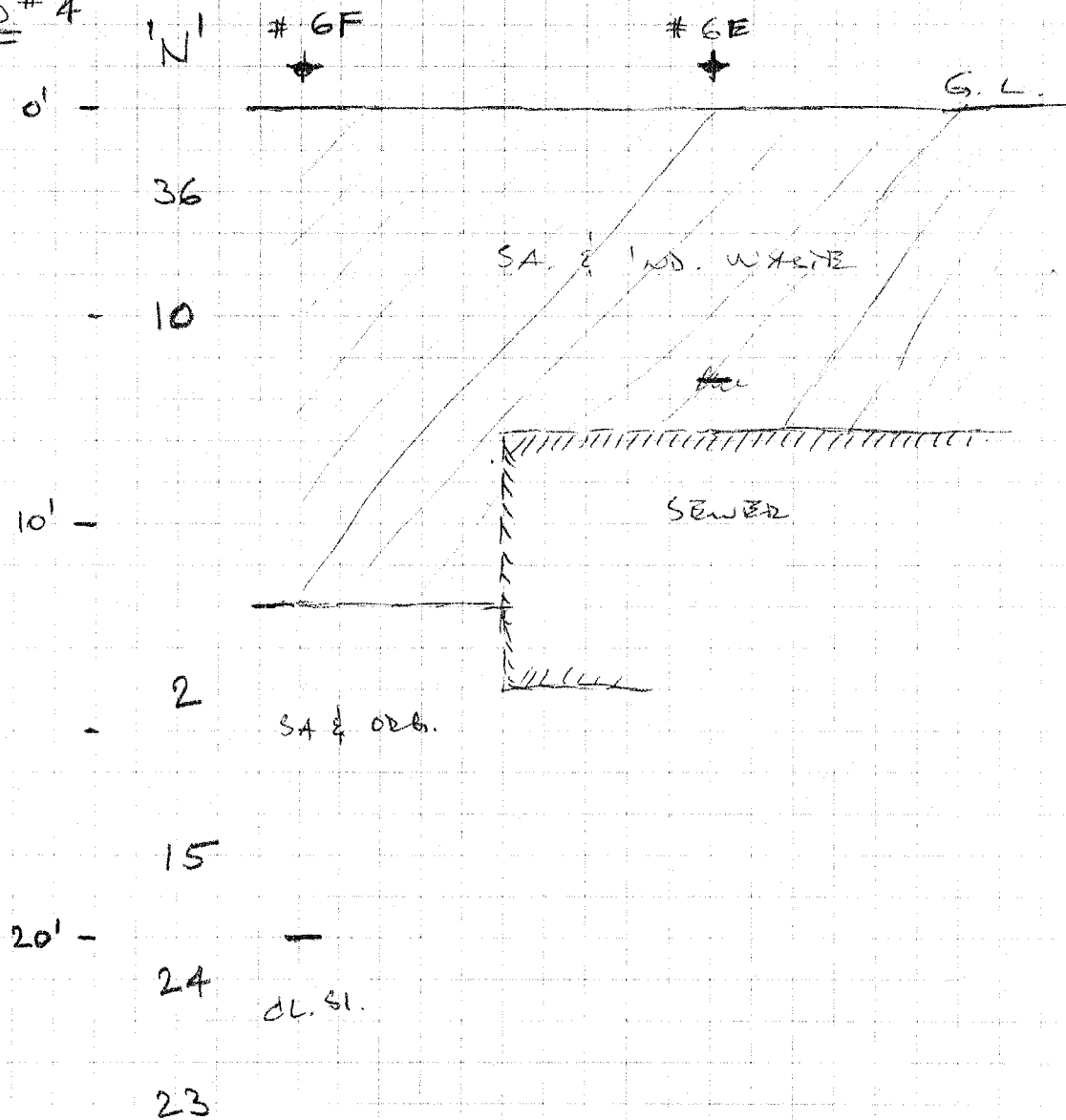
20' -

28

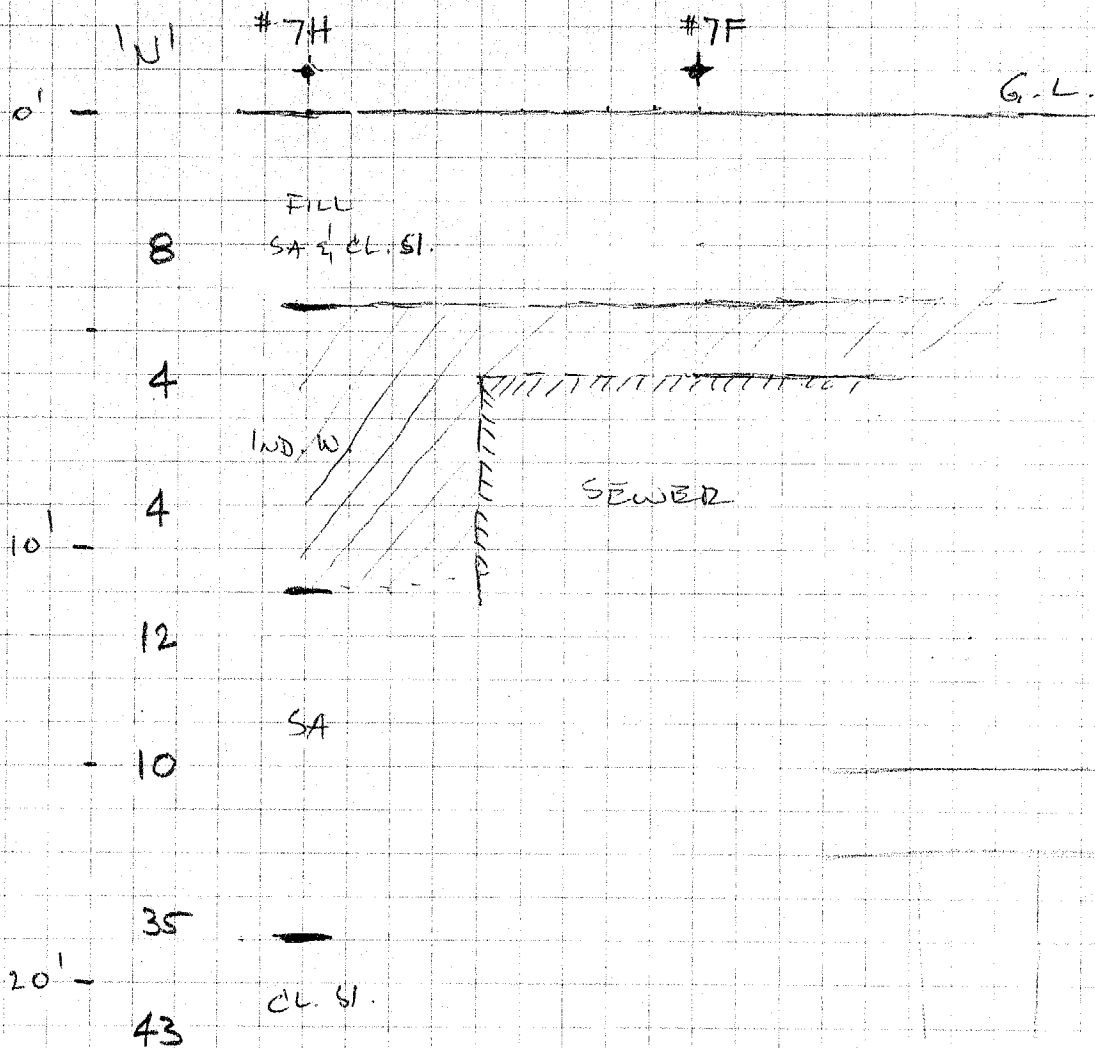
18



SECTION # 4



SECTION #5



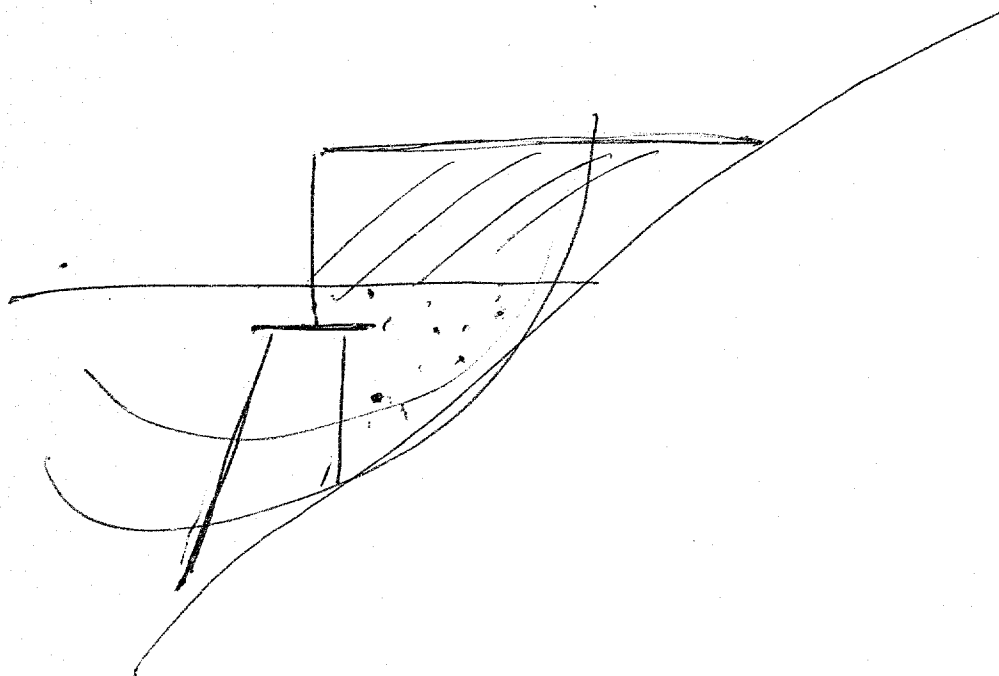
3.

G.

CONGLOMERATE

V. DENSE.

GARBAGE



PARTY NAMES

W.P. No.

DATE _____

[illegible]

PARTY NAMES 7th Survey W.P. No.
2-25-1970 DATE March 24/70

STA.	B.S.	HI.	I.S.	F.S.	ELEV.	REMARKS
Leaving Town To Adm. Road						
From Main Highway						
BM	350	277.14	✓			Elev. 67
						Top of Main Road
P. 484			118		265.3	Top of Road
BH 14			110		266.1	✓
BH 15			76		263.5	✓
BH 11			35		267.6	✓
BH 10			103		266.1	✓
BH 9			20		271.1	✓
BH 8			23		271.1	✓
BH 5			11		272.0	✓
BH 4			26		271.5	✓
						RED. 27
						CH'K'D.

FIELD BORING LOG

DRILLING CO. _____ DATUM ELEV. _____ B.H. NO. 7-F-21
 DRILLER _____ GROUND ELEV. _____ JOB NO. _____
 ENGINEER _____ CASING SIZE _____ DATE _____
 SITE LOCATION _____
 HOLE LOCATION _____
 REMARKS _____

[illegible]

FIELD BORING LOG

DRILLING CO. Dominion DATUM ELEV. _____ B.H. NO. 1
 DRILLER H. Egan GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER JP CASING SIZE AUGER DATE Mar 16, 1970
 SITE LOCATION _____
 HOLE LOCATION 20' RT OF MH. # B
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	2.0	AUGER HOLE MATERIAL: SOME TOPSOIL AND FINE (SAND & CLAY) (BLACK)		
3.0	4.5	SS - (LIGHT BROWN) - FINE SAND (2.5 TO 4.5) - LOOSE	SS. # 1	3-4-5
3.0	6.0	AUGER HOLE MATERIAL: BROWN SAND & BLACK CLAY (FILL)		
6.0	7.5	SS - HARD AT 7.1' : BLACK-CLAYED AND SANDY	SS. # 2	3-2-41
6.0	9.0	AUGER HOLE MATERIAL: BLACK CLAY		
9.0	10.5	SS - MIXTURE OF SAND & CLAY SOME CLAYED AND FINE	SS. # 3	10-8-4
9.0	12.0	AUGER HOLE MATERIAL: SAND & CLAY - HARD		
12.0	13.5	SS - FINE - MIXTURE OF SAND & CLAY INDIVIDUAL GRAINS	SS. # 4	10-7-4
12.0	15.0	AUGER HOLE MATERIAL: SAND & CLAY - HARD		
15.0	16.5	SS - MIXTURE OF SAND & CLAY (SANDY)	SS. # 5	2-2-2

FIELD BORING LOG

DRILLING CO. <u>DOMINION</u>	DATUM ELEV. _____	B.H. NO. <u>1</u>
DRILLER <u>H. Egan</u>	GROUND ELEV. _____	JOB NO. <u>70-F-21</u>
ENGINEER <u>PP</u>	CASING SIZE <u>4 INCH</u>	DATE <u>Mar. 16. 1970</u>
SITE LOCATION _____		
HOLE LOCATION _____		
REMARKS _____		

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
15.0	18.0	Auger Hole Mat.: Same as above		
18.0	19.5	SS - Sand as above	SS.#6	1-1-2
18.0	21.0	Auger Hole Mat.: Same as above		
21.0	22.5	SS: Layered material - industrial waste and thin layers	SS.#7	8 1/6"
21.0	24.0	Auger Hole Mat.: Same as above		
24.0	25.0	SS: Sand and industrial waste, occ. unrefined oil and substances	SS.#8	5-7-8
24.0	30.0	Auger Hole Mat.: Same as above		
30.0	31.5	SS: 30.0 to 30.5: ind. waste; 30.5 to 31.5: grey - clay. with some sand - firm	SS.#9	2-5-6
30.0	35.0	Auger Hole Mat.: Same as above		
35.0	36.5	SS - clay. with ind. sand - firm	SS.#10	3-4-5

FIELD BORING LOG

DRILLING CO. DOMINION DATUM ELEV. _____ B.H. NO. 1
 DRILLER H. EDDY GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER ED CASING SIZE AUGER DATE MAR. 16, 1970
 SITE LOCATION HAMILTON
 HOLE LOCATION _____
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
35.0	40.0	AUGER HOLE MAT.: G2. CL. SILT. SOME SAND.		
		END OF DAY WL: 4.5' B. G.L. 9 ²⁰ AM, MAR 17/70		
		MAR 17/70.		
40.0	41.5	2" SHELBY TUBE	T.W.# 11	PM
40.0	45.0	AUGER HOLE MAT.: SAME AS ABOVE		
45.0	46.5	2" SHELBY TUBE - 3" PENETRATION ONLY	T.W.# 12	PH
45.2	46.7	SS - GRAY - CLAYEY SILT WITH SOME SAND. TRACES OF GRAVEL AND OCC. PIECES OF RED COLOURED BROKEN SHALE - HARD	SS.# 12A	14-20-24
45.0	50.0	AUGER HOLE MAT.: SAME AS ABOVE		
50.0	51.5	SS - SAME AS ABOVE	SS.# 13	6-7-9
50.0	55.0	AUGER HOLE MAT.: SAME AS ABOVE		
55.0	58.5	SS - SAME AS ABOVE	SS.# 14	10-12-12
		END OF BOREHOLE		

FIELD BORING LOG

①

DRILLING CO. DODDSON DATUM ELEV. _____ B.H. NO. 2A
DRILLER H. Egan GROUND ELEV. _____ JOB NO. 70-F-21
ENGINEER PP CASING SIZE _____ DATE MAR. 17. 1970
SITE LOCATION _____
HOLE LOCATION _____
REMARKS NO SAMPLING.

[illegible]

FIELD BORING LOG

①

DRILLING CO. DOMINION DATUM ELEV. _____ B.H. NO. 3
DRILLER H. BRADY GROUND ELEV. _____ JOB NO. 70-F-21
ENGINEER TP CASING SIZE AUGER DATE MAR 17, 1970
SITE LOCATION _____
HOLE LOCATION _____
REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	15.0	AUGER HOLE MAT.: BROWN SAND & SOME (RED) BRICK RIVER AT 6.0'		
15.0	16.5	SS - BLANK - LIND. WASTE - V. LOOSE	SS.#1	1-2-1
15.0	18.0	AUGER HOLE MAT.: ?		
18.0	19.5	SS - 18.0' TO 19.3': BLANK - LIND. WASTE - 19.3' TO 19.5': GREY & BROWN SILTY FINE SAND (SATURATED)	SS.#2	10-6-2
18.0	21.0	AUGER HOLE MAT.: ?		
21.0	22.5	SS - FINE SAND WITH LAYERS OF SILT CLAY - V. LOOSE	SS.#3	1-1-2
21.0	25.0	AUGER HOLE MAT.: ?		
25.0	26.5	SS - GREY & BROWN - SAND AND GRAVEL - LOOSE	SS.#4	1-2-3
		END OF BOREHOLE		

FIELD BORING LOG

①

DRILLING CO. DOMINION DATUM ELEV. _____ B.H. NO. 3A
 DRILLER H. EDWIN GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER PD CASING SIZE 4UG2 DATE MAR. 17. 1970
 SITE LOCATION _____
 HOLE LOCATION _____
 REMARKS NO SAMPLING

[illegible]

FIELD BORING LOG

1

DRILLING CO. <u>Dominion</u>	DATUM ELEV. _____	B.H. NO. <u>4A</u>
DRILLER <u>H. Evans</u>	GROUND ELEV. _____	JOB NO. <u>70-F-21</u>
ENGINEER <u>DD</u>	CASING SIZE <u>4 1/2"</u>	DATE <u>MAR. 17, 1970</u>
SITE LOCATION _____		
HOLE LOCATION _____		
REMARKS _____		

[illegible]

FIELD BORING LOG

①

DRILLING CO. DORRILLSON DATUM ELEV. _____ B.H. NO. 2
 DRILLER H. Eddy GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER JP CASING SIZE Auger DATE MAR. 17, 1970
 SITE LOCATION _____
 HOLE LOCATION above sewer
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	3.0	AUGER HOLE MAT.: BROWN SAND & GRAVEL		
3.0	4.5	SS - 3.0' TO 4.0': BROWN - SAND WITH TRACES OF GRAVEL; 4.0' TO 4.5': BLACK IND. WASTE	SS. #1	4-6-12
3.0	6.0	AUGER HOLE MAT.: BLACK		
6.0	7.5	SS - MIXTURE OF BROWN SAND AND IND. WASTE (OIL) WITH SOME UNDECOMPOSED ORGANIC MATERIALS - V. LOOSE.	SS. #2	1-2-2
6.0	9.0	AUGER HOLE MAT.: SAME AS ABOVE		
9.0	10.5	SS - BLACK - IND. WASTE	SS. #3	2-11-26
		END OF BOREHOLE		

FIELD BORING LOG

①

DRILLING CO. DOMINION DATUM ELEV. _____ B.H. NO. 5A
 DRILLER H. ERWAY GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER PP CASING SIZE LUGER DATE MAR. 17. 1970.
 SITE LOCATION _____
 HOLE LOCATION BETWEEN BH.# 34 AND BH.# 44
 REMARKS # 44 # 54 # 34
15 # 15

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	7.5	BROWN - SAND & SOME GRAVEL		
7.5	21.0	BLACK - INCL. WASTE & SAND		
21.0	22.5	SS - GREEN-BROWN - FINE SANDY SILT WITH TRACES OF ORGANOIDS - V. LOOSE (SATURATED)	SS #1	1-1-1
21.0	24.0	AUGER HOLE MAT.: SAME AS ABOVE		
24.0	25.0	SS - GREEN & BROWN - SILTY FINE SAND, LAYERS OF CLAYEY SILT AT 24.5' - V. LOOSE	SS #2	1-1-3
24.0	27.0	AUGER HOLE MAT.: SAME AS ABOVE		
27.0	28.5	SS - GREEN - CLAYEY SILT WITH SOME SAND AND SOME LAYERS OF FINE SAND - FIRM	SS #3	2-4-8
27.0	30.0	LUGER HOLE MAT.: SAME AS ABOVE		
30.0	31.5	SS - GREEN - CLAYEY SILT WITH SOME SAND		
		END OF LOG HOLE	SS #4	3-5-6

FIELD BORING LOG

②

DRILLING CO. <u>AMINCO</u>	DATUM ELEV. _____	S.H. NO. _____
DRILLER <u>H. B. GAY</u>	GROUND ELEV. _____	JOB NO. <u>70-F-21</u>
ENGINEER <u>PD</u>	CASING SIZE <u>4 1/2</u>	DATE <u>MAR. 18 1970</u>
SITE LOCATION _____		
HOLE LOCATION _____		
REMARKS _____		

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
		#4B 4' ASSUMED \pm OF SEWER		
0.0	7.0	SAND, GRAVEL, LIND. WASTE NO FURTHER PENETRATION BELOW 7 FT.		
		#4C — 3 FT. LT. OF #4B		
0.0	10.7	SAND, GRAVEL, LIND. WASTE PROBABLY SEWER AT THIS DEPTH		
		#4D — 3 FT. LT. OF #4C		
0.0	11.3	SAND, GRAVEL, LIND. WASTE PROBABLY SEWER AT THIS DEPTH		
		#4E — 3' LT. OF #4D		
0.0	12.0	SAND, GRAVEL \pm LIND. WASTE		
		#4F 3' LT. OF #4E		

FIELD BORING LOG

②

DRILLING CO. LOMA LOMA DATUM ELEV. _____ B.H. NO. 4F
 DRILLER H. E. E. R. GROUND ELEV. _____ JOB NO. 20-F-21
 ENGINEER PP CASING SIZE _____ DATE MAR. 18, 1970
 SITE LOCATION _____
 HOLE LOCATION _____
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	15.0	4055 40.5 DRILL SAND. GROUND 100 WIDE		
15.0	16.5	SS - BLK. - 100 WIDE	SS #1	5-3-3
18.0	19.5	SS - SAND WITH SOME GRAVEL LOOSE	SS #2	1-1-4
21.0	22.5	SS - SANDY SILT AND CLAY SILT WITH SOME GRAVEL - V. LOOSE	SS #3	2-3-1
24.0	25.5	SS - GRAY - CLAY SILT WITH SOME GRAVEL - V. LOOSE	SS #4	3-3-4
27.0	28.5	2" SHELLY TUBE	TUBE #5	3-3-4
		END OF BORING		

FIELD BORING LOG

②

DRILLING CO. DOMINION DATUM ELEV. _____ B.H. NO. 45
 DRILLER H. BEADY GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER PP CASING SIZE 4.0625 DATE MAY 21, 1970
 SITE LOCATION _____
 HOLE LOCATION _____
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	2.0	AGED HLE MAY: CL-SL & SAND		
2.0	3.5	SS - CL-SL SOME SAND; IND. WASTE AT 3.2'	SS.#1	2-14-10
5.0	6.5	SS - BLACK - INDUSTRIAL WASTE V. LOOSE	SS.#2	2-2-2
		END OF BOREHOLE		

③

FIELD BORING LOG

DRILLING CO. _____	DATUM ELEV. _____	B.H. NO. _____
DRILLER _____	GROUND ELEV. _____	JOB NO. _____
ENGINEER _____	CASING SIZE _____	DATE _____
SITE LOCATION _____		
HOLE LOCATION _____		
REMARKS _____		

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
		BL M-2		
		SL SI SH SG SE SC SD SE		
		1' 2' 3' 4' 5' 6' 7' 8' 9'		
		SL (8') (8') (8') (4') (4') (4') — SP		
		BL# SB, SC, SD, — det. or sample		
		BL# (SE)		
0.0	15.0	ALICE TUBE PAC. SAND; CLAY at 10 ft.		
15.0	16.5	SS — GRAY — CLAY — det. or sample SAND, CLAY	SS#1	2-7-2
16.5	18.0	V. L. TUBE: 20 (4 x 12) = 240 ft. 20 (8 x 13) V.D. = 720 ft. S = 2.3		
18.0	19.5	ES — GRAY — CLAY — det. or sample TUBE	SS#2	2-0-8
19.5	21.0	V. L. TUBE: 20 (4 x 12) = 240 ft. 20 (8 x 13) V.D. = 720 ft. S = 1.5		
		ES — GRAY — CLAY — det. or sample		

FIELD BORING LOG

③

DRILLING CO. PKK DATUM ELEV. _____ B.H. NO. _____
DRILLER S. T. Edwards GROUND ELEV. _____ JOB NO. 20-F-21
ENGINEER PP CASING SIZE 4 1/2" x 10' x 10' DATE Mar. 18, 1970
SITE LOCATION _____
HOLE LOCATION _____
REMARKS _____

[illegible]

FIELD BORING LOG

DRILLING CO. <u>PVE</u>	DATUM ELEV. _____	B.H. NO. <u>5M</u>
DRILLER <u>S. T. ...</u>	GROUND ELEV. _____	JOB NO. <u>3-5-21</u>
ENGINEER <u>PP</u>	CASING SIZE <u>4.625</u>	DATE <u>140.12.1970</u>
SITE LOCATION _____		
HOLE LOCATION _____		
REMARKS _____		

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
		# 3		
		# 5M		
		# 5L		
0.0	3.0	Auger hole Mat. Rd. cl. sl. & ss.		
3.0	4.5	SS - Layer of Brown sand cl. sl. and gravel (60-80%)	SS# 1	7-12-12
3.0	6.0	Auger hole Mat. Sand		
6.0	7.5	SS - SAND - Poured of cl. sl. compacted	SS# 2	11-9-6
6.0	9.0	Auger hole Mat. Sand to 4000		
9.0	10.5	SS - Sand to 4000: 0.4% sand to cl. sl. at 10.4'	SS# 3	2-2-2
10.5	12.0	Notes: $20(38+38) \times 12" = 1520 \text{ PSF}$ $20(22+22) \times 12" = 880 \text{ PSF}$ $S = 1.7$		

FIELD BORING LOG

DRILLING CO. PVIZ DATUM ELEV. _____ B.H. NO. 5M
DRILLER S. THAMES GROUND ELEV. _____ JOB NO. 70-F-21
ENGINEER _____ CASING SIZE 4 1/2 in. DATE MAR. 19, 1970
SITE LOCATION _____
HOLE LOCATION _____
REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
12.0	13.5	SS - G. CL. SL. WITH SAND SAND LAMINAE - 4 1/2"	SS #4	6-13-20
15.0	16.5	SS - G. CL. SL. SAND 4 1/2"	SS #5	13-26-30
18.0	19.5	SS - SAME AS ABOVE	SS #6	11-18-27
21.0	22.5	SS - SAME AS ABOVE	SS #7	6-10-18
24.0	25.5	SS - SAME AS ABOVE	SS #8	6-8-10
25.5	27.0	VANE TEST: 20(30+38) X 6" = 1520 PSF 20(42+42) X 6" = 840 PSF	S = 1.8	
27.0	28.5	2' SHREBBY TUBE	T.W. #9	P.Y.
28.5	30.0	VANE TEST: 20(30+30) X 6" = 1200 PSF 20(32+32) X 6" = 640 PSF	S = 1.9	
		END OF LOGHOLE		

③

FIELD BORING LOG

DRILLING CO. PMK DATUM ELEV. _____ B.H. NO. 55
 DRILLER S. Talbot GROUND ELEV. _____ JOB NO. 72-1-21
 ENGINEER PD CASING SIZE 4.00 DATE 1-40 18, 1970
 SITE LOCATION _____
 HOLE LOCATION _____
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	2.0	AUGER HOLE DATA: CL. SL. & SAND (FILL)		
2.0	3.5	SS - 2.0' TO 3.0': BR. CL. SL. 3.0' TO 3.5': SAND & FINE GR. WASH	SS #1	11-16-14
2.0	5.0	AUGER HOLE DATA: FINE GR. SAND		
5.0	6.5	SS - BROWN - SAND WITH SOME CLAY - DENSE	SS #2	10-21-18
8.0	9.5	SS - GRAY - CLAYEY SILT WITH SOME SAND - HARD	SS #3	11-17-26
8.0	11.0	AUGER HOLE DATA: SAME AS ABOVE		
11.0	12.5	SS - GRAY - CLAYEY SILT	SS #4	7-13-32
11.0	14.0	AUGER HOLE DATA: SAME AS ABOVE		
14.0	15.5	SS - GRAY - CLAYEY SILT WITH SOME SAND	SS #5	5-9-12
		END OF TOWERHOLE		

FIELD BORING LOG



DRILLING CO. DOMINION DATUM ELEV. _____ B.H. NO. _____
DRILLER H. EMMY GROUND ELEV. _____ JOB NO. 70-E-21
ENGINEER PP CASING SIZE 4.000 DATE MAR. 21, 1970
SITE LOCATION _____
HOLE LOCATION _____
REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
		BH # (6A) (CONE TO PIER)		
0.0	3.0	Brown - Sand & CL. S.		
10.0	12.0	BLACK - CL. S. & WD WASTE		
12.0	15.0	BLACK - Sand & debris		
		BH # (6B) - approx. 6.5' LT. OF #6A		
0.0	15.0	SAME AS BH #6A		
		BH # (6C) - approx. 3.5' LT. OF #6B		
0.0	7.5	Sand & WD WASTE		
		BH # (6D) - approx. 1.5' LT. OF #6C		
0.0	9.0			
		(6E) SAME AS #6C (2' AHEAD)		

FIELD BORING LOG

④

DRILLING CO. Dominion DATUM ELEV. _____ B.H. NO. GE
DRILLER _____ GROUND ELEV. _____ JOB NO. 70-F-21
ENGINEER _____ CASING SIZE _____ DATE _____
SITE LOCATION _____
HOLE LOCATION _____
REMARKS _____

[illegible]

FIELD BORING LOG

④

DRILLING CO. Dorwood DATUM ELEV. _____ B.H. NO. 6F
DRILLER _____ GROUND ELEV. _____ JOB NO. 70-F-21
ENGINEER _____ CASING SIZE _____ DATE _____
SITE LOCATION _____
HOLE LOCATION 1.5' LT. OF #6E
REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	15.0	Auger Hole DAS: 1nd. Waste, change at 12.0' : Brown, silty fine sand		
15.0	16.5	SS - Br. silty fine sand	SS #1	1-1-1
18.0	19.5	SS - sand, coarse silty org.	SS #2	4-7-8
21.0	22.5	SS - Gt. - co. silty some sand v. stiff	SS #3	9-11-13
24.0	25.5	SS - same as above - v. stiff	SS #4	9-11-12
		End of Borehole		

FIELD BORING LOG

5

DRILLING CO. DOMINION DATUM ELEV. _____ B.H. NO. 74
DRILLER H. EBY GROUND ELEV. _____ JOB NO. 70-F-21
ENGINEER PP CASING SIZE 4 1/2 DATE MAR. 19, 1970
SITE LOCATION _____
HOLE LOCATION _____
REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE		
FROM	TO					
		☑ HCL #3				
7B	7F	7E	7A	7B	7C	7D
2.5'	4'	4'	3'	4'	4'	4'
(10')	(6')	(6')	(15')	(15')	(15')	(5')
7H						
1/2						
0.0	3.0	AUGER HOLE				
		DATA:				
3.0	4.5	SS - BR. SAND & CL. SI.	SS.#1	3-4-4		
6.0	7.5	SS - BRNCL - IND. WHITE	SS.#2	4-2-2		
9.0	10.5	SS - IND. WHITE & SAND	SS.#3	1-1-3		
12.0	13.5	SS - BR. CL. SI & SAND	SS.#4	5-5-7		
15.0	16.5	SS - SILTY SAND WITH SOME CLAY	SS.#5	3-4-6		
18.0	19.5	SS - SAND, CL. SI. AT 19.0'	SS.#6	8-13-22		
21.0	22.5	SS - CL. SI. WITH SOME SAND	SS.#7	15-19-23		
		END OF BOREHOLE				

FIELD BORING LOG

DRILLING CO. <u>PVK</u>	DATUM ELEV. _____	B.H. NO. <u>8</u>
DRILLER <u>S. TAKACS</u>	GROUND ELEV. _____	JOB NO. <u>70-F-21</u>
ENGINEER <u>PP</u>	CASING SIZE <u>AUGER</u>	DATE <u>MAR. 19. 1970.</u>
SITE LOCATION _____		
HOLE LOCATION _____		
REMARKS _____		

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	3.0	AUGER HOLE MAT.: BR. CL. SI. & SAND		
3.0	4.5	SS - Brown - CL. SI. - FILL - FIRM	SS # 1	6-6-6
3.0	6.0	AUGER HOLE MAT.: SAME AS ABOVE		
6.0	7.5	SS - 6.0' TO 6.7': BLACK-IND. WASTE; 6.7' TO 7.5': BROWN - CL. SI. & SAND	SS # 2	7-6-5
6.0	9.0	AUGER HOLE MAT.: SAME AS ABOVE		
9.0	10.5	SS - BROWN - CL. SI. WITH SOME SAND - FILL - FIRM	SS # 3	3-6-3
9.0	12.0	AUGER HOLE MAT.: SAME AS ABOVE		
12.0	13.5	SS - LAYERS OF BROWN SAND AND CL. SI.	SS # 4	2-6-6
12.0	15.0	AUGER HOLE MAT.: SAME AS ABOVE		
15.0	16.5	SS - LAYERS OF SILTY FINE SAND AND SAND - DENSE	SS # 5	10-14-19
15.0	18.0	AUGER HOLE MAT.:		

FIELD BORING LOG

DRILLING CO. <u>PVK</u>	DATUM ELEV. _____	B.H. NO. <u>8</u>
DRILLER <u>S. T. J. J.</u>	GROUND ELEV. _____	JOB NO. <u>70-F-21</u>
ENGINEER <u>PP</u>	CASING SIZE <u>AUGER</u>	DATE <u>MAR. 19. 1970</u>
SITE LOCATION _____		
HOLE LOCATION _____		
REMARKS _____		

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
18.0	19.5	SS - GRAY - CLAYEY SILT WITH SOME SAND - HARD	SS #6	12-17-26
18.0	21.0	AUGER HOLE DATA: SAME AS ABOVE		
21.0	22.5	SS - SAME AS ABOVE - HARD	SS #7	12-17-24
21.0	24.0	AUGER HOLE DATA: SAME AS ABOVE		
24.0	25.5	SS - SAME AS ABOVE	SS #8	5-9-12
27.0	28.5	2" SHELBY TUBE	T.W. #9	PH
28.5	30.0	VAIR TEST: $20(38+38) \times 12" = 1520$ PSF $20(38+38) \times 6" = 760$ PSF	S = 2.0	
30.0	31.5	2" SHELBY TUBE	T.W. #10	PH
31.5	33.0	VAIR TEST: $20(42+42) \times 12" = 1680$ PSF $20(21+21) \times 12" = 840$ PSF	S = 2.0	
35.0	36.5	2" SHELBY TUBE	T.W. #11	PH
36.5	38.0	VAIR TEST: $20(44+44) \times 12" = 1760$ PSF $20(22+22) \times 12" = 880$ PSF	S = 2.0	

FIELD BORING LOG

DRILLING CO. PVK DATUM ELEV. _____ B.H. NO. 8
DRILLER S. TAYLOR GROUND ELEV. _____ JOB NO. 70-F-21
ENGINEER PT CASING SIZE 4 1/2" DATE MAR. 19, 1970
SITE LOCATION _____
HOLE LOCATION _____
REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
40.0	41.5	2" SHALLOW TURB	TW# 12	PH
41.5	43.0	UNDE TEST: $20(30+30) \times 12" = 1200 \text{ PSF}$ $20(29+29) \times 6" = 580 \text{ PSF}$ $S=2.1$		
45.0	46.5	SS - GRAY - CL. SL - STIFF	SS #13	2-6-10
46.5	48.0	UNDE TEST: $20(44+44) \times 12" = 1760 \text{ PSF}$ $20(24+24) \times 12" = 960 \text{ PSF}$ $S=1.8$		
55.0	56.5	SS - GR. CL. SL. - HARD	SS #14	7-14-18
65.0	66.5	SS - SAND AS ABOVE - HARD	SS #15	7-13-17
75.0	76.5	SS - SAND AS ABOVE - HARD	SS #16	7-14-18
		END OF BOREHOLE		

FIELD BORING LOG

DRILLING CO. DOMINION DATUM ELEV. _____ B.H. NO. 9
 DRILLER H. Finlay GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER PD CASING SIZE AUGER DATE MAY 19, 1970
 SITE LOCATION _____
 HOLE LOCATION _____
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	3.0	AUGER HOLE 174.1		
3.0	4.5	SS - BLANK - ORG. & CLAY	SS #1	5-7-8
6.0	7.5	SS - BL. WH. WASTE	SS #2	5-7-16
9.0	10.5	SS - BL. CLAYED SILT	SS #3	6-6-10
12.0	13.5	SS - BLANK - CL. SIL.	SS #4	3-5-7
15.0	16.5	SS - BLANK - CLAY & ORG. & CLAY	SS #5	3-6-4
18.0	19.5	SS - BL. SAND FINE SAND	SS #6	5-6-7
21.0	22.5	SS - BL. SAND FINE SAND	SS #7	2-2-2
24.0	25.5	SS - BL. SAND FINE SAND	SS #8	6-6-6
27.0	28.5	SS - BL. SAND FINE SAND	SS #9	9-12-14

FIELD BORING LOG

DRILLING CO. DOMINION DATUM ELEV. _____ B.H. NO. 9
 DRILLER H. E. HAY GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER PP CASING SIZE _____ DATE MAR. 20, 1970
 SITE LOCATION HAMILTON - WING ST. # 103
 HOLE LOCATION _____
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
30.0	31.5	SS -	SS #10	4-6-8
40.0	41.5	SS -	SS #11	3-5-6
50.0	51.5	SS -	SS #12	5-6-8
60.0	61.5	SS -	SS #13	4-7-9
70.0	71.5	SS -	SS #14	9-17-23
78.0		AUGER LOSE - HAD AT THIS DEPTH		
80.0	81.5	SS - BOUNDED - NO RECOVERY PROBABLY SHALE	SS #15	
		END OF BOREHOLE		
		WL = AT GROUND LEVEL (WATER IN DITCH)		
		<u>R.I. # 9A</u>		
0.0	75.2	AUGER HOLE - HAD SAME AS THE OTHER PROBABLY SHALE AT THIS DEPTH.		

FIELD BORING LOG

DRILLING CO. DVIL DATUM ELEV. _____ B.H. NO. 10
DRILLER S. TAVES GROUND ELEV. _____ JOB NO. 70-F-21
ENGINEER PD CASING SIZE _____ DATE MAR. 20, 1970
SITE LOCATION _____
HOLE LOCATION _____
REMARKS _____

[illegible]

FIELD BORING LOG

DRILLING CO. Dominion DATUM ELEV. _____ B.H. NO. _____
 DRILLER X GROUND ELEV. _____ JOB NO. 70-10-21
 ENGINEER _____ CASING SIZE Auger DATE MAR. 18, 1970
 SITE LOCATION _____
 HOLE LOCATION _____
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
		<u>B.H. # 11A</u> - <u>20 FT. FROM B.H. # 10</u>		
0.0	2.0	FILL MAT'L: SAND & CL:SL.		
2.0	9.0	BLK - 1/2 IN. WASTE - 1/2 IN. SAND		
		TOP OF SPUR AT 9.0'		
		<u>B.H. # 11B</u> - <u>20 FT. FROM B.H. # 10</u>		
0.0	2.0	FILL MAT'L: SAND & CL:SL.		
2.0	8.0	BLK - 1/2 IN. WASTE		
9.0	15.0	CLAYED SLT WITH SAND - GREY		
		<u>B.H. # 12A</u> - <u>20.5' FROM B.H. # 11</u>		
0.0	3.0	FILL MAT'L		
3.0	9.5	BLK 1/2 IN. WASTE		
		PROBABLY TOP OF SPUR		
		<u>B.H. # 12A</u> - <u>20.5' FROM B.H. # 11</u>		
0.0	2.0	FILL MAT'L		
2.0	10.0	BLK 1/2 IN. WASTE		
10.0	15.0	BROWN SLT		

FIELD BORING LOG

DRILLING CO. P.V.K. D.A.T.U.M. ELEV. _____ B.H. NO. 11
 DRILLER S. T. HARRIS GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER PD CASING SIZE NX DATE MAR. 23 1970
 SITE LOCATION Hamilton - King St. #403.
 HOLE LOCATION AT EAST END OF RETAINING WALL
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	3.0	DRIVE NX CASING & PULL OUT MAT.: CL. SI. - FILL		
3.0	4.5	SS - BROWN SAND WITH SOME CL. SI. - LOOSE	SS. #1	4-4-5
3.0	6.0	DRIVE NX CASING & WASH OUT MAT.: SAME AS ABOVE		
6.0	7.5	SS - BROWN - SAND - COMPACT	SS. #2	2-6-6
6.0	9.0	DRIVE NX CASING & WASH OUT MAT.: SAME AS ABOVE		
9.0	10.5	SS - IND. WASTE & SOME CL. SI.	SS. #3	17-24-36
9.0	12.0	DRIVE NX CASING & WASH OUT MAT.: SAME AS ABOVE		
12.0	13.5	SS - IND. WASTE - V. LOOSE	SS. #4	3-2-2
12.0	15.0	DRIVE NX CASING & WASH OUT MAT.: SAME AS ABOVE		
15.0	16.5	SS - NO RECOVERY - PROBABLY IND. WASTE - V. LOOSE	SS. #5	1-1-1
15.0	18.0	DRIVE NX CASING & WASH OUT MAT.:		

FIELD BORING LOG

DRILLING CO. PVK. DATUM ELEV. _____ B.H. NO. 11
DRILLER S. TALLER'S GROUND ELEV. _____ JOB NO. 70-F-21
ENGINEER PP CASING SIZE Nx DATE MAY 23, 1970
SITE LOCATION _____
HOLE LOCATION _____
REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
18.0	19.5	SS - NO RECOVERY - PROBABLY LWD. WHITE - LOOSE	SS# 6	3-3-4
18.0	21.0	DRIVE NX CASING & WASH OUT MAT.: SAME AS ABOVE		
21.0	22.5	SS - ORGANICS (WOOD) NO SAMPLE RETAINED	SS.#7	3-6-11
21.0	24.0	DRIVE NX CASING & WASH OUT, MAT.:		
24.0	25.5	SS - PIECE OF WOOD	SS.#8	3-3-3
24.0	27.0	DRIVE NX CASING & WASH OUT MAT.: SAME AS ABOVE		
27.0	28.5	SS - NO PENETRATION - HARDER Boulder	SS# 9	—
		END OF BOREHOLE		

FIELD BORING LOG

DRILLING CO. <u>DORWIN</u>	DATUM ELEV. _____	B.H. NO. <u>12</u>
DRILLER <u>H. EDWIN</u>	GROUND ELEV. _____	JOB NO. <u>70-F-21</u>
ENGINEER <u>PP</u>	CASING SIZE <u>AUGER</u>	DATE <u>MAY 23, 1970</u>
SITE LOCATION _____		
HOLE LOCATION <u>54' FROM MH. #2</u>		
REMARKS _____		

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
3.0	4.5	SS - SOME SAND & IND. WASTE (N.S.B.)	SS.#1	2-4-4
6.0	7.5	SS - IND. WASTE (N.S.B.)	SS.#2	4-5-4
9.0	10.5	SS - IND. WASTE (N.S.B.)	SS.#3	6-5-6
12.0	13.5	SS - IND. WASTE (N.S.B.)	SS.#4	6-4-7
15.0	16.5	SS - IND. WASTE (N.S.B.)	SS.#5	3-3-2
18.0	19.5	SS - IND. WASTE (N.S.B.)	SS.#6	3-2-3
21.0	22.5	SS - SAND - LOOSE	SS.#7	5-4-4
24.0	25.5	SS - CL. SI. OCC. PECKERS OF SAND - SOME ORGANICS	SS.#8	5-6-4
27.0	28.5	SS - SAME AS ABOVE	SS.#9	4-6-9
30.0	31.5	SS - MIXTURE OF CL. SI., SAND & ORGANICS	SS.#10	7-4-12
33.0	34.5	SS - " " + GRAVEL	SS.#11	9-10-7
36.0	37.5	SS - S.FINE SAND WITH SOME CLAY & ORGANICS	SS.#12	4-5-7
39.0	40.5	SS - " " "	SS.#13	6-7-9

FIELD BORING LOG

DRILLING CO. DODINION DATUM ELEV. _____ B.H. NO. 12
 DRILLER H. EDNY GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER PP CASING SIZE 4 INCH DATE _____
 SITE LOCATION _____
 HOLE LOCATION _____
 REMARKS _____

[illegible]

FIELD BORING LOG

11-10-78
3 5-5-78
3 7-11-11
2 6-3-3

DRILLING CO. PVE DATUM ELEV. _____ B.H. NO. 13
 DRILLER Bob GROUND ELEV. _____ JOB NO. 70-F-21
 ENGINEER _____ CASING SIZE NK DATE MAR 24 1978
 SITE LOCATION _____
 HOLE LOCATION _____
 REMARKS _____

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	3.0	DRIVE NK CASING		
3.0	4.5	SS - CL. SI. & SAND - FILL	SS #1	5-6-10
3.0	6.0	NK CASING		
6.0	7.5	SS - SAME AS ABOVE	SS #2	7-11-11
6.0	9.0	NK CASING		
9.0	10.5	SS - SOME CL. SI. SAND & IND. WASTE	SS #3	6-3-3
9.0	12.0	NK CASING		
12.0	13.5	SS - BROWN SAND - FILL AT 13.3' (SEWER ?)	SS #4	9-4-20
		MOVE 4' AHEAD		(Rounder)
0.0	12.7	DRIVE NK CASING - ROUNDER AT THIS POINT. MOVE 10' BACK		
		AFTER SEVERAL ATTEMPTS IT WAS DECIDED TO MOVE 20' FROM MH. #4 (TOWARD HWY. #403)		
0.0	15.0	DRIVE NK CASING & WASH OUT. PA. SAND & IND. WASTE		
15.0	16.5	SS - FILL - SAND, GRAVEL, CL. SI. SOME IND. WASTE	SS #5	9-5-3

FIELD BORING LOG

DRILLING CO. <u>PVK</u>	DATUM ELEV. _____	B.H. NO. <u>13</u>
DRILLER <u>BOB</u>	GROUND ELEV. _____	JOB NO. <u>70-F-21</u>
ENGINEER <u>PP</u>	CASING SIZE <u>Nx</u>	DATE <u>MAR. 25. 1970</u>
SITE LOCATION _____		
HOLE LOCATION _____		
REMARKS _____		

[illegible]

FIELD BORING LOG

DRILLING CO. <u>PVK</u>	DATUM ELEV. _____	B.H. NO. <u>14</u>
DRILLER <u>S. TOLLES</u>	GROUND ELEV. _____	JOB NO. <u>70-F-21</u>
ENGINEER <u>CD</u>	CASING SIZE <u>NX</u>	DATE <u>MAR. 24, 1970</u>
SITE LOCATION _____		
HOLE LOCATION _____		
REMARKS _____		

DEPTH FEET		DESCRIPTION	SAMPLE TYPE, NO. & RECOVERY	METHOD OR BLOWS & DISTANCE
FROM	TO			
0.0	3.0	NX CASING		
3.0	4.5	SS - Brown - Sand - Fine	SS. #1	2-2-4
3.0	6.0	NX CASING		
6.0	7.5	SS - LWD. WASTE	SS. #2	6-8-12
6.0	9.0	NX CASING		
9.0	10.5	SS - LWD. WASTE	SS. #3	8-5-4
9.0	12.0	NX CASING		
12.0	13.5	SS - LWD. WASTE & SAND	SS. #4	6-3-3
15.0	16.5	SS - SAND	SS. #5	2-2-4
18.0	19.5	SS - SAND & LWD. WASTE	SS. #6	3-4-6
21.0	22.5	SS - LWD. WASTE & SAND	SS. #7	12-6-8
25.0	26.5	SS - SAND & GRAVEL - CONTACT.	SS. #8	20-6-6
25.0	30.0	DRIVE NX CASING & WASH OUT MATERIAL.		
30.0	31.5	SS - GRAVEL - CL. SL.	SS. #9	9-10-11

FIELD BORING LOG

DRILLING CO. <u>DVK</u>	DATUM ELEV. _____	B.H. NO. <u>14</u>
DRILLER <u>S. TAYLOR</u>	GROUND ELEV. _____	JOB NO. <u>90-F-21</u>
ENGINEER <u>DP</u>	CASING SIZE <u>NK</u>	DATE <u>MAY 24, 1970</u>
SITE LOCATION _____		
HOLE LOCATION _____		
REMARKS _____		

[illegible]

[illegible]

FIELD BORING LOG

DRILLING CO. DOMINION DATUM ELEV. _____ B.H. NO. 16
DRILLER H. EIZENY GROUND ELEV. _____ JOB NO. 70-F-21
ENGINEER DP CASING SIZE 4 INCH DATE MAR. 25, 1970
SITE LOCATION _____
HOLE LOCATION 93' FROM H-4 #2
REMARKS _____

[illegible]

DOCUMENT MICROFILMING IDENTIFICATION

GEOCRES No. 30M5-100

W.P. No. _____

CONT. No. _____

W. O. No. 10-F-21

STR. SITE No. _____

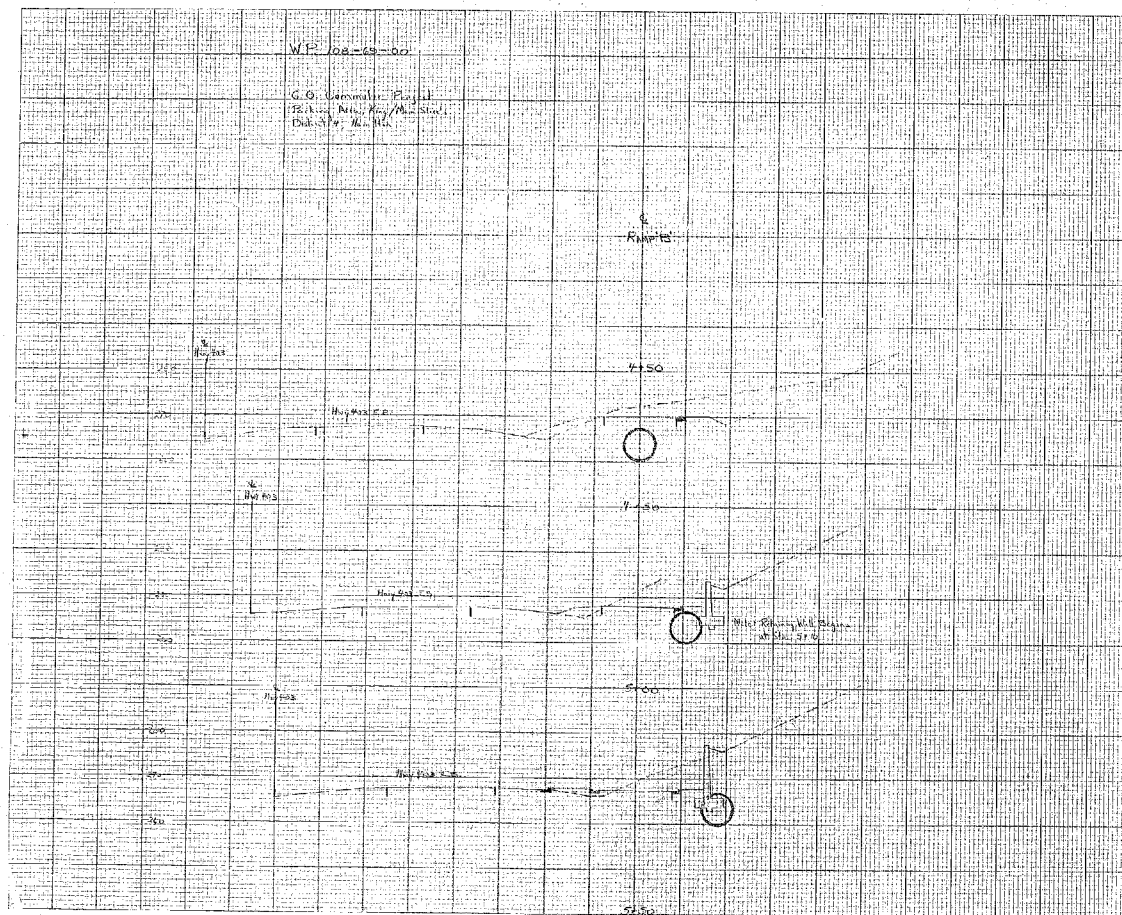
HWY. No. 403

LOCATION PROP. "GO" TRANSIT EXPRESS
BUS TERMINAL

OVERSIZE DRAWINGS TO BE INCLUDED WITH THIS REPORT. ONE

REMARKS: _____

G. O. Commercial Project
Rocking, Astor, King/Man Street
District 4 - Man/Man



received in U.S.