

Engineers Copy

Date	Type*	Location	Material #	Depth	Comments
22 Aug 01	H	S of archway	CEPA	bedrock	—
23 Aug 01	✓	S of archway + beside dish	CEPA	"	—
23 Aug 01	M	under dish	CEPA	0-30cm	not accessible by heavy equipment.
25 Aug 01	H	In pre-TIER II area near archway.	CEPA	Bedrock	—

>2000 ppm, CEPA, Tier II, Tier I.

[illegible]

◇ S Soil, W Wood, M Metal, O Other


 Queen's Representative


 Engineer Representative


 QC Representative

Date

Date

Date

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

ENGINEERS COPY

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
31 Jul - 2 Aug 01	H	>2000 ppm area	>2000	Bedrock	
11 Aug - 18 Aug 01	H	CEPA area below trap A	CEPA	30cm	30cm (bedrock) excavated
18 Aug 01	V	>2000 ppm area	>2000	Bedrock	>2000 vacuuming completed in St drainage
21 Aug 01	V	edge of vac. area from 18 Aug 01	CEPA	-	more vac. was required along this edge
24 Aug 01	V	edge of CEPA area	CEPA	-	

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
13 Aug 01	128	S	9.5	composite sample taken after excavation of CEPA area below trap A. → TIER II
18 Aug 01	121	S	10	area looked 'worked', but no samples → TIER II
18 Aug 01	162	S	>50	edge of vacuumed area still CEPA
18 Aug 01	172	S	<1	check edge of >2000 N. of #46-
21 Aug 01	190	S	>350	sampled after vac. Extends into J18
22 Aug 01	196	S	1.1	surface composite
22 Aug 01	205	S	7.2, 6.5	surface composite
22 Aug 01	210	S	>350	bank at edge of vacuumed area
22 Aug 01	207	S	<0.5	sampled @ 30-40cm depth
22 Aug 01	208	S	7.2	sampled @ 30-40cm depth, ~30cm in from bank face
25 Aug 01	076	S	3.77	sampled bank after vacuuming
29 Aug 01	225	S	3.0	Final check on soil at top of rubble bank

△ Prefix RI01-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

G. Caruso
Queen's Representative

30/Aug 01
Date

[Signature]
Engineer Representative

31/08/01
Date

[Signature]
QC Representative

31/01
Date

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

Engineers Copy.

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
27 JUL '01	H	CEPA area	CEPA	-	constructed road in CEPA
28 JUL '01	H				area to access >2000 ppm area
29 JUL '01	H	>2000 ppm soil	>2000	-	>2000 soil scraped and placed in Tier II pits
31 JUL - 4 AUG '01	IT	>2000 ppm area	>2000	Bedrock	>2000 soil was scraped to bedrock and placed in Tier II pits
5 AUG '01	H	CEPA area	CEPA	2-3 ft	scraped top of soil at CEPA area around >2000 area
6 AUG '01	H	CEPA area	CEPA	30cm	top 30cm layer removed
7 10-15 AUG '01	I	>2000 ppm area	>2000	bedrock	

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

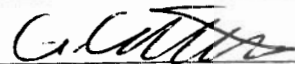
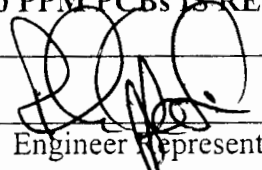
ANALYSIS LOG:

Date	Sample ^Δ	Type [◇]	Results (ppm)	Comments
5 AUG '01	069	S	0.80	taken from ~3-3.5 ft deep in CEPA area
5 AUG '01	131	S	0.84	taken from ~3 ft deep in CEPA area
5 AUG '01	133	S	3.33	taken from ~1.5 ft deep in CEPA area
				These 3 samples indicate surface contamination.
5 AUG '01	136	S	62	scraped to bedrock then sampled, Vac req'd
7 AUG '01	065	S	29.4	Composite samples after top 30cm layer of soil removed. → TIER II
7 AUG '01	034	S	5.5	
7 AUG '01	125	S	15.2	
7 AUG '01	128	S	9.5	
19 AUG '01	116	S	25	TIER II / CEPA boundary → vac. required -
19 AUG '01	117	S	>50	
19 AUG '01	118	S	5	TIER II / CEPA boundary → TIER II
19 AUG '01	147	S	15	

Δ Prefix RI01-

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CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

 Queen's Representative	<u>30/Aug 01</u> Date	 Engineer Representative	<u>31/08/01</u> Date
 QC Representative	<u>31/08/01</u> Date		

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

Engineers Copy.

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
21 Aug 01	V	area at tip of vacuumed CEPA area near creek bed (missed previously)	CEPA	bedrock	

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
21 Aug 01	190	S	>250 ppm	sampled after vacuuming. extends to J17
22 Aug 01	199	S	4+	More vac. required
28 Aug 01	199	S	4.1	bank @ edge of vacuumed area sampled.

△ Prefix RI01-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

G. Curran
Queen's Representative

30 Aug 01
Date

[Signature]
Engineer Representative

31/08/01
Date

[Signature]
QC Representative

31 Aug 01
Date

Engineers Copy.

[illegible]

>2000 ppm, CEPA, Tier II, Tier I.

[illegible]

◇ S Soil, W Wood, M Metal, O Other

G. C. Miller
Queen's Representative

30 Aug 01.
Date

Engineer Representative

31/08/0
Date

QC Representative

Date _____

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

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EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
July 27/01 to July 28/01	H	Behind Tropo A (near S1)	CEPA	-	Road was built on CEPA to get into >2000ppm area in S1
A Aug 5-8	H	CEPA area in grnd	CEPA	30cm	30cm of soil was excavated

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
A Aug 7/01	66	S	15.2	Composite samples taken indicate that all the CEPA has been excavated ⇒ TIER II
A Aug 7/01	125	S	7.1	
A Aug 8/01	123	S	5.8	} TIER II
A Aug 8/01	124	S	9.2	
A Aug 8/01	126	S	0.7	} TIER I
A Aug 8/01	129	S	3.9	
				Composite samples taken ⇒ further excavation is not required. Note that most of this area is down to bedrock already.

△ Prefix RI01-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM
QUADRANT

<u>Maggiola</u> Queen's Representative	<u>Aug 14/01</u> Date	<u>MLH</u> Engineer Representative	<u>01/08/14</u> Date
<u>D J M</u> QC Representative	<u>Aug 14/01</u> Date		

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
Aug 7/01	H	Small CEPA area off to a side near S1 area	CEPA	30cm	Excavation of 30cm of Soil

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
Aug 8/01	127	S	0.20	Both composite is TIER I ⇒ NO FURTHER EXCAVATION REQUIRED.
Aug 8/01	130	S	1.52	

△ Prefix RI01-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

Queen's Representative

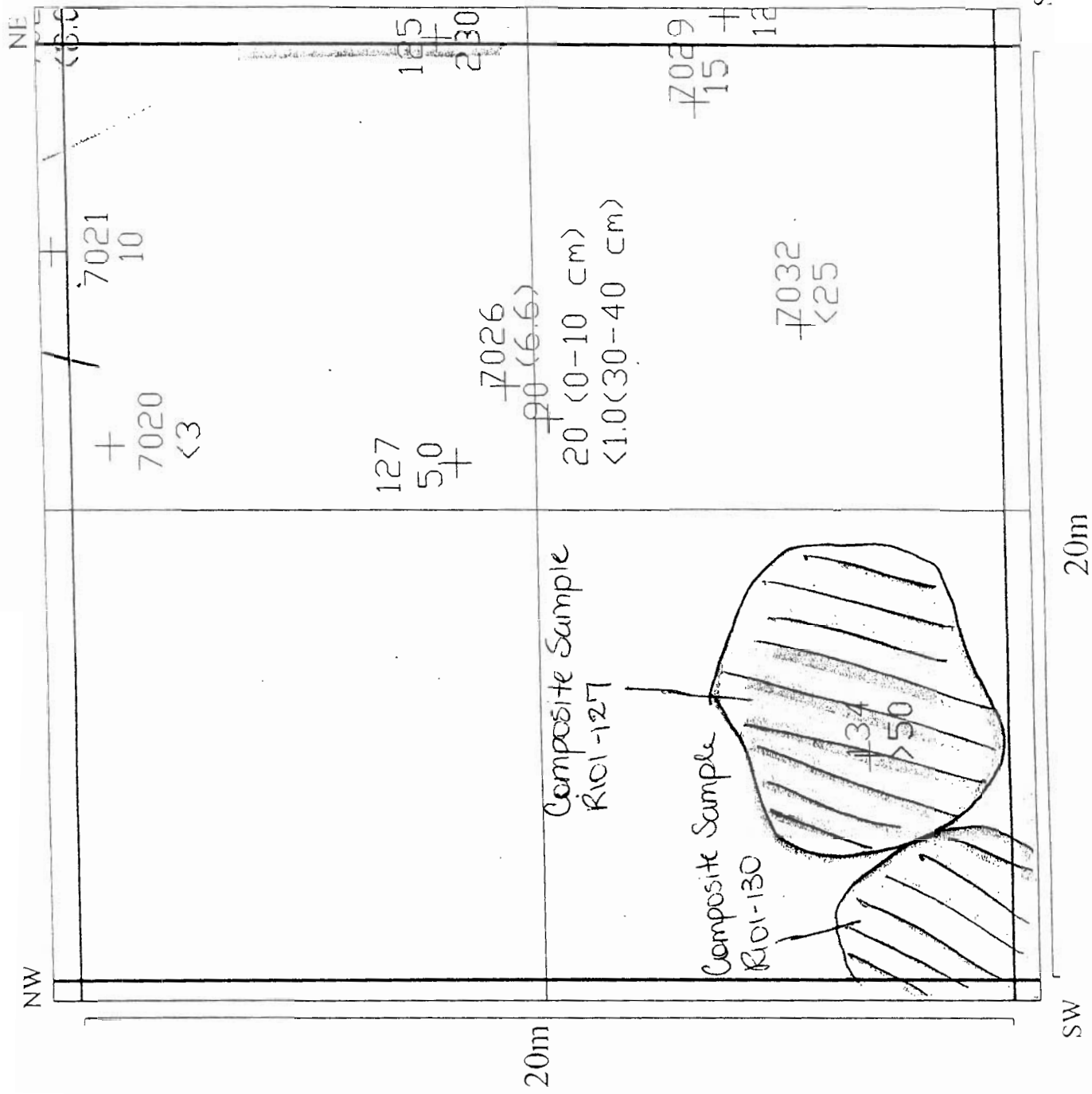
18 Aug 01
Date

Engineer Representative

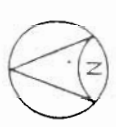
18/08/01
Date

QC Representative

Aug 20/01
Date



- Black
- Tap or (SN) Sample Number
- PCB Concentration (ppm)
- TH R I PCB Concentration (1-5 ppm)
- TH R II PCB Concentration (5-50 ppm)
- CLPA PCB Concentration (50-2000 ppm)
- CLPA PCB Concentration (1-2000 ppm)
- Pink Rope
- Green Rope
- Yellow Rope
- Blue Rope
- Road
- Areas Excavated/Vacuumed
- Debris Piles
- Clean Fill on TH R II



K19

DATE: Aug 8/01

COMMENTS:

Composite samples taken after 30 cm of soil was excavated.

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
Aug 7/01	H	Small CEPA area off to a side near S1 area.	CEPA	30cm	Excavated 30cm soil

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

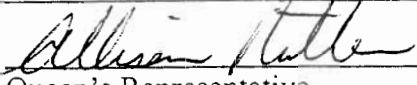
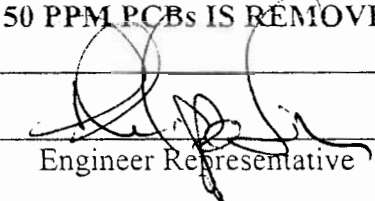
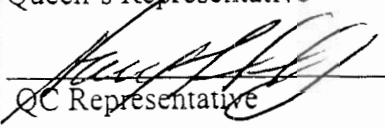
ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
Aug 8/01	130	S	1.52	TIER I ⇒ NO FURTHER EXCAVATION REQUIRED.

△ Prefix RJ01-

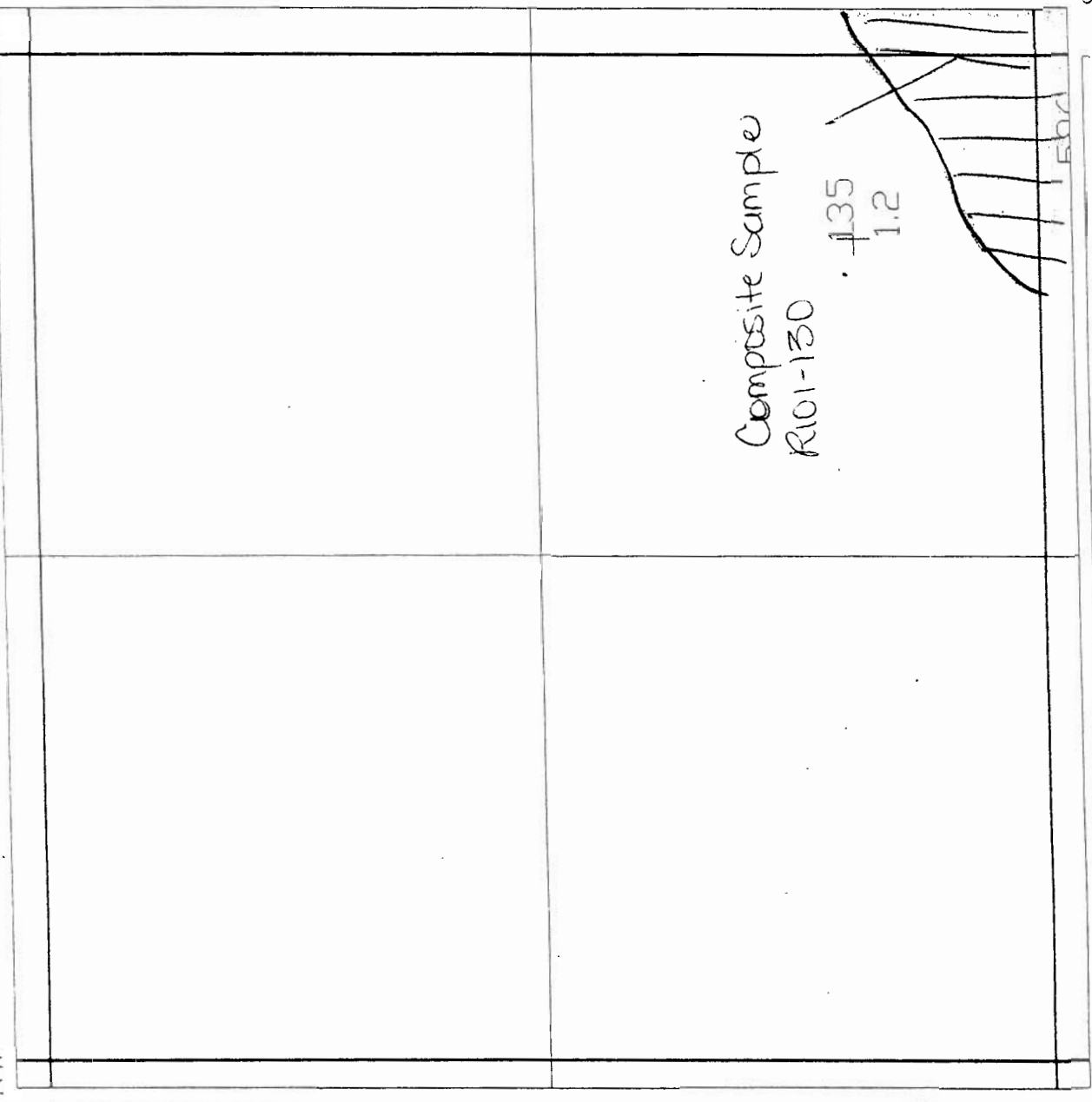
◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM QUADRANT

	18 Aug 01		18/08/01
Queen's Representative	Date	Engineer Representative	Date
	Aug 20/01		
QC Representative	Date		

NW

NE



K20

DATE: Aug 8/01

COMMENTS:

Composite sample taken
after 30cm excavated.

DESCRIPTION OF QUADRANT / ADDITIONAL INFORMATION

EXCAVATION LOG

Date	Type*	Location	Material #	Depth	Comments
Aug 7/01	H	CEPA area off to a side.	CEPA	30cm	Excavated 30cm of soil

* H Heavy Equipment, M Manual, V Vacuum

>2000 ppm, CEPA, Tier II, Tier I.

ANALYSIS LOG:

Date	Sample [△]	Type [◇]	Results (ppm)	Comments
Aug 8/01	130	S	1.52	30cm of soil excavated + composite sample taken after ⇒ NO FURTHER WORK REQUIRED (TIER I)

△ Prefix RI01-

◇ S Soil, W Wood, M Metal, O Other

CERTIFICATION THAT ALL SOIL CONTAINING > 50 PPM PCBs IS REMOVED FROM
QUADRANT

Maggie Lau
Queen's Representative

18 Aug 01
Date

[Signature]
Engineer Representative

18/08/01
Date

[Signature]
QC Representative

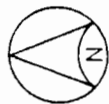
18/08/01
Date

Composite Sample R101-130



Black
Blue
Green
Pink
Yellow
Blue
Road
Areas Excavated/Vacuumed
Debris Piles
Clean Fill on TIER II

Tag or (SN) Sample Number
PCB Concentration (ppm)
TIER I: PCB Concentration (1-5 ppm)
TIER II: PCB Concentration (5-50 ppm)
CEPA: PCB Concentration (50-2000 ppm)
CEPA: PCB Concentration (> 2000 ppm)
Pink Rope
Green Rope
Yellow Rope
Blue Rope
Road
Areas Excavated/Vacuumed
Debris Piles
Clean Fill on TIER II



L19

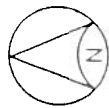
DATE: Aug 8/01

COMMENTS:

Composite sample taken
after 30cm was excavated.

Composite sample R101-130

- Black
- Tag or (SN) Sample Number
- PA B Concentration (ppm)
- TH R I PCB Concentration (1-5 ppm)
- TH R II PCB Concentration (5-50 ppm)
- CTPA PCB Concentration (50-2000 ppm)
- CTPA PCB Concentration (> 2000 ppm)
- Pink Rope
- Green Rope
- Yellow Rope
- Blue Rope
- Road
- Areas Excavated/Vacuumed
- Debris Piles
- Clean Fill on TH R II



L20

DATE: Aug 8/01

COMMENTS:

Composite sample taken
after 30cm of soil was
excavated.

