



Office of Environmental Services
395 John Ireland Boulevard
Mail Stop 620
St. Paul, MN 55155-1899
Phone: 651-284-3772
Fax: 651-284-3754

To
Adam Sekely

Fax

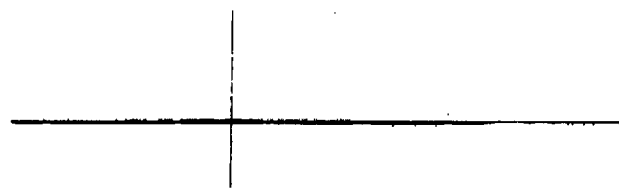
To: Mark Millsop	From: Andrew Nichols
Fax: 218-783-2908	Pages: 6 (including cover page)
Phone: 218-783-2907	Date: 1/28/2005
Re: Charles St. Ext. data	CC:

☐ Urgent ☒ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

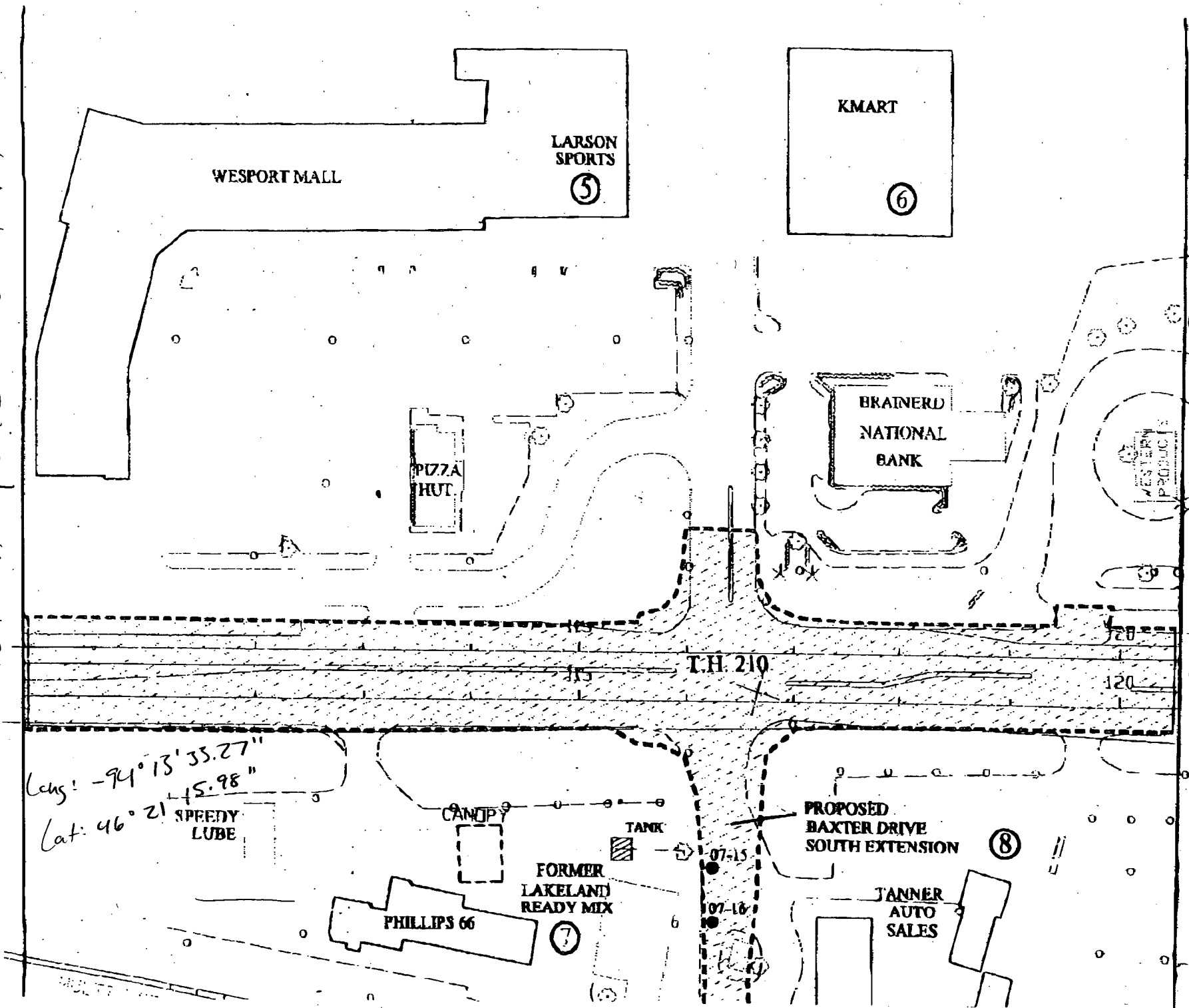
Mark,

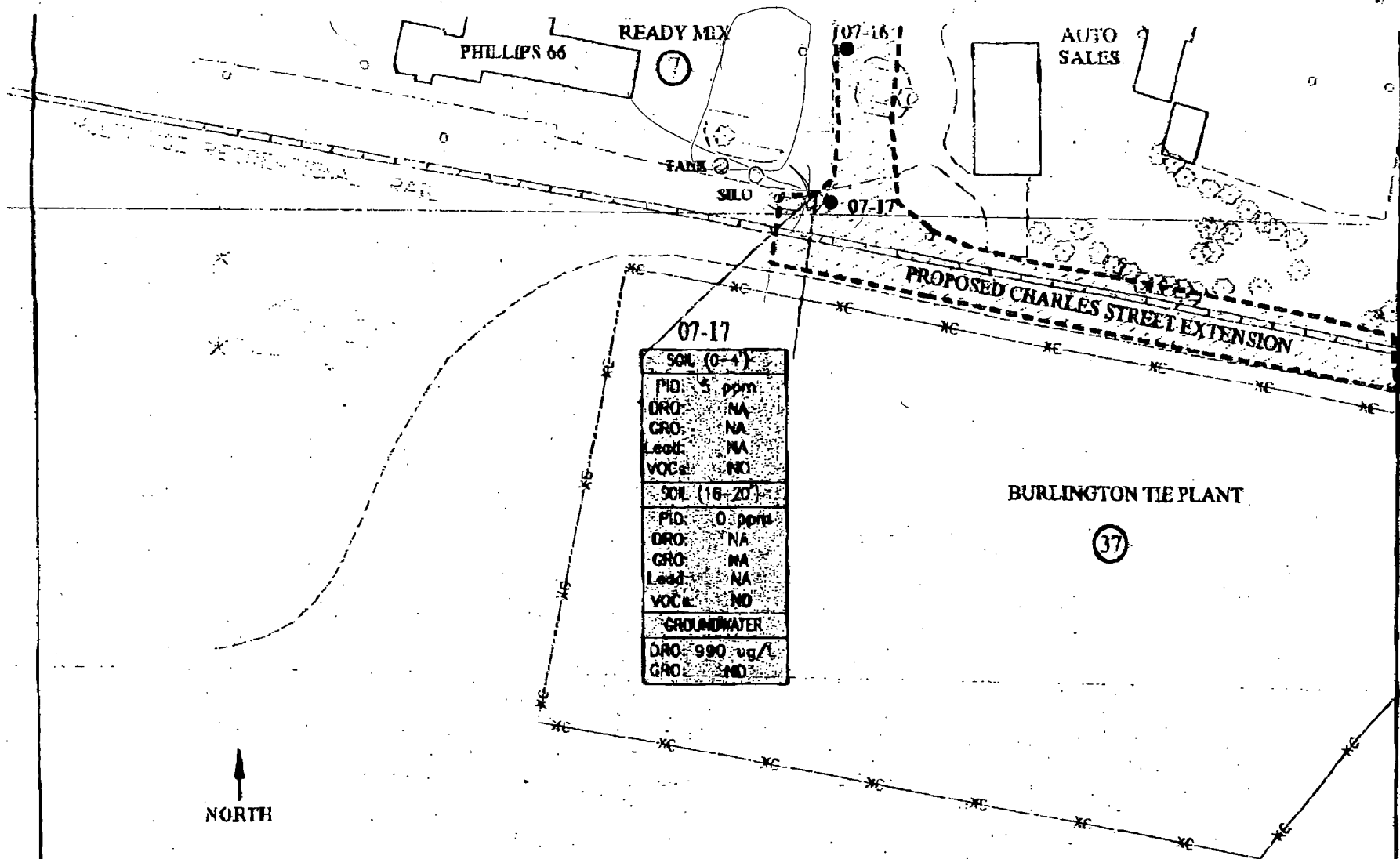
Attached, please find the data that you requested.

Regards,



Mr. Brian Karl (Owner of station & Carwash)
 CJ's Auto Wash
 1181 Hwy 210 W Baxter





INDICATES PROJECT CORRIDOR

SOIL BORING LOCATION

INDICATES RIGHT OF WAY

④ LOW POTENTIAL TO CONTAMINATE

① MEDIUM POTENTIAL TO CONTAMINATE

⑨ HIGH POTENTIAL TO CONTAMINATE

SERVICE
ENGINEERING
GROUP

FILE NAME 02006 10.dwg

DATE 6/25/02

CREATED BY LS

REVIEWED BY TR

FIGURE TITLE

FIGURE 1.4
SOIL BORING LOCATION/CHEMISTRY SUMMARY MAP
MA/DOT T.H. 21b CORRIDOR (S.P. 18030-63)
BAXTER/BRAINERD, MINNESOTA

Table 2 Soil Headspace and Chemical Analyses Results Summary T.H. 210 Corridor Baxter/Brainerd, Minnesota S.P. #1805-63		
Sample Location (Depth in feet)	Depth in feet	Chemical Analysis Results
02-21-07 (12' - 16')	0	DRO NA - mg/kg GRO NA - mg/kg Lead NA - mg/kg Naphthalene 5.5 - mg/kg
02-21-07 (16' - 20')	0	DRO 55 - mg/kg GRO <5.0 - mg/kg Lead 2.4 - mg/kg Naphthalene 1.6 - mg/kg
02-07-17 (0' - 4')	5	DRO NA - mg/kg GRO NA - mg/kg Lead NA - mg/kg VOCs ND - mg/kg
02-07-17 (16' - 20')	0	DRO NA - mg/kg GRO NA - mg/kg Lead NA - mg/kg VOCs ND - mg/kg

Notes:

PID = Photoionization Detector
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
MDL = Method Detection Limit
VOCs = Volatile Organic Compounds
ND = Not detected above the MDL

Regulatory Limits:

DRO/GRO 1 - 50 mg/kg if water table is less than 25 ft, additional investigation required. MPCA
Lust Fact Sheet 3.6, Table 6.4
Lead 400 mg/kg, Tier 1 SRV
Naphthalene 10 mg/kg Tier 1 SRV

Table 3 Water Sample Chemical Analyses Results Summary T.H. 210 Corridor Baxter/Brainerd, Minnesota S.P. #1805-63			
Sample Location	PID Response (ppm)	Detected Analyte Summary	
02-21-07	0	DRO	<100 - µg/L
		GRO	<100 - µg/L
		Lead	NA - µg/L
		Naphthalene	3.1 - µg/L
		sec-Butyl benzene	1.1 - µg/L
		MTBE	<1.0 - µg/L
02-07-17	5 - 0	DRO	990 - µg/L
		GRO	<100 - µg/L
		Lead	NA - µg/L
		Naphthalene	<0.5 - µg/L
		sec-Butyl benzene	<0.5 - µg/L
		MTBE	1.6 - µg/L

Notes:

PID = Photoionization Detector
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
MDL = Method Detection Limit
VOCs = Volatile Organic Compounds.

Regulatory Limits (Minnesota Department of Health):

Total Petroleum Hydrocarbons 200 µg/L, Health Based Value (HBV)
Naphthalene 300 µg/L, Health Risk Limit (HRL)
MTBE 70 µg/L, HRL
Lead Not Listed