

City of Detroit  
OFFICE OF THE CITY CLERK

Janice M. Winfrey  
City Clerk

Vivian A. Hudson  
Deputy City Clerk

**DEPARTMENTAL REFERENCE COMMUNICATION**

*Tuesday, September 23, 2008*

To: *The Department or Commission Listed Below*

From: *Janice M. Winfrey, Detroit City Clerk*

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The following petition is herewith referred to you for report and recommendation to the City Council.

In accordance with that body's directive, kindly return the same with your report in duplicate within four (4) weeks.

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DPW - CITY ENGINEERING DIVISION    ENVIRONMENTAL AFFAIRS DEPARTMENT  
FIRE DEPARTMENT

**2980**    *EnviroSolutions, Inc., ROW permit for installation of piping and wells beneath and within Berg Rd. south of property located at 22646 W. 8 Mile Rd. to perform Hydrocarbons recovery activities.*

123 A [341]  
123 B [342]

RECEIVED  
OCT 2 2008



2980

**EnviroSolutions, Incorporated**

38115 Abruzzi Drive

Westland

MI 48185

734.641.2700

734.641.2775 Fax

Info@envirosolutionsinc.net

www.envirosolutionsinc.net

September 9, 2008

City Of Detroit  
200 Coleman Young Municipal Building  
Detroit, Michigan 48226  
Attn: City Clerk

RE: Permit/Encroachment to access Public Right-of-Way  
Berg Road south of property located at:  
22646 West 8 Mile Road  
Detroit, Michigan 48226

Honorable City Council:

On behalf of MRP Properties Company, LLC (MRP), EnviroSolutions, Inc is seeking permission to install piping and wells beneath and within the Berg Road Right-of-Way in the City of Detroit. The permission being sought is in accord with Detroit Code Section 50, article 3.

This permit is being sought in response to the presence of subsurface hydrocarbon liquids or vapors ("Hydrocarbons") that have been detected in the subsurface at the above referenced property (please reference Figure 1 for a map depicting the site location). Due to the presence of these hydrocarbons, MRP is required by the Michigan Department of Environmental Quality (the "Agency"), to perform Hydrocarbons recovery activities. The recovery activities will be accomplished by (i) installation of recovery wells, (ii) installation of recovery piping, and (iii) extraction, ventilation and/or recovery of subsurface liquids and vapors. In response to Agency requirements, EnviroSolutions, Inc. at MRPs direction has designed a hydrocarbon recovery system for this purpose. A process and instrumentation diagram for the hydrocarbon recovery system is attached for reference.

Installation and operation of this system will require that piping and wells be installed. To accommodate installation of the system as depicted in the attached System Layout Map (Sheet 1), a portion of the underground system piping and associated wells need to be installed beneath the Berg Road right-of-way located south of West 8 Mile Road and north of Cherokee Street.

2008 SEP 11 A 9:50

DETROIT  
CITY CLERK



Permit/Encroachment to access Public Right-of-Way  
Berg Road south of property located at:  
22646 West 8 Mile Road  
Detroit, Michigan 48226

September 9, 2008

Sheet 1, also references details that depict installation specifications related to the subsurface portions of the recovery system; these details are attached as Sheet 2 and Sheet 3. The specifications on Sheet 2 and Sheet 3 provide details related to the installation, backfilling, and pavement replacement for the portions of the work planned beneath the Berg Road right-of-way. The work performed during the completion of this project, including traffic and pedestrian access will be conducted and completed consistent with the City of Detroit's "Standard Specifications for Paving and Related Construction" manual.

This project is planned to start with well installation during the month of October (actual start date pending receipt of permit). Well installation activities within the Right of Way will last approximately two days. Piping installation activities, backfilling, and pavement replacement will commence (pending receipt of permit) directly after completion of well installation. The piping installation within the Berg Road Right-of-Way is anticipated to last approximately five days.

Your prompt attention to this request is greatly appreciated. Should you have questions, or if additional information is required please contact our office at 734-641-2700.

Respectfully,  
EnviroSolutions, Inc

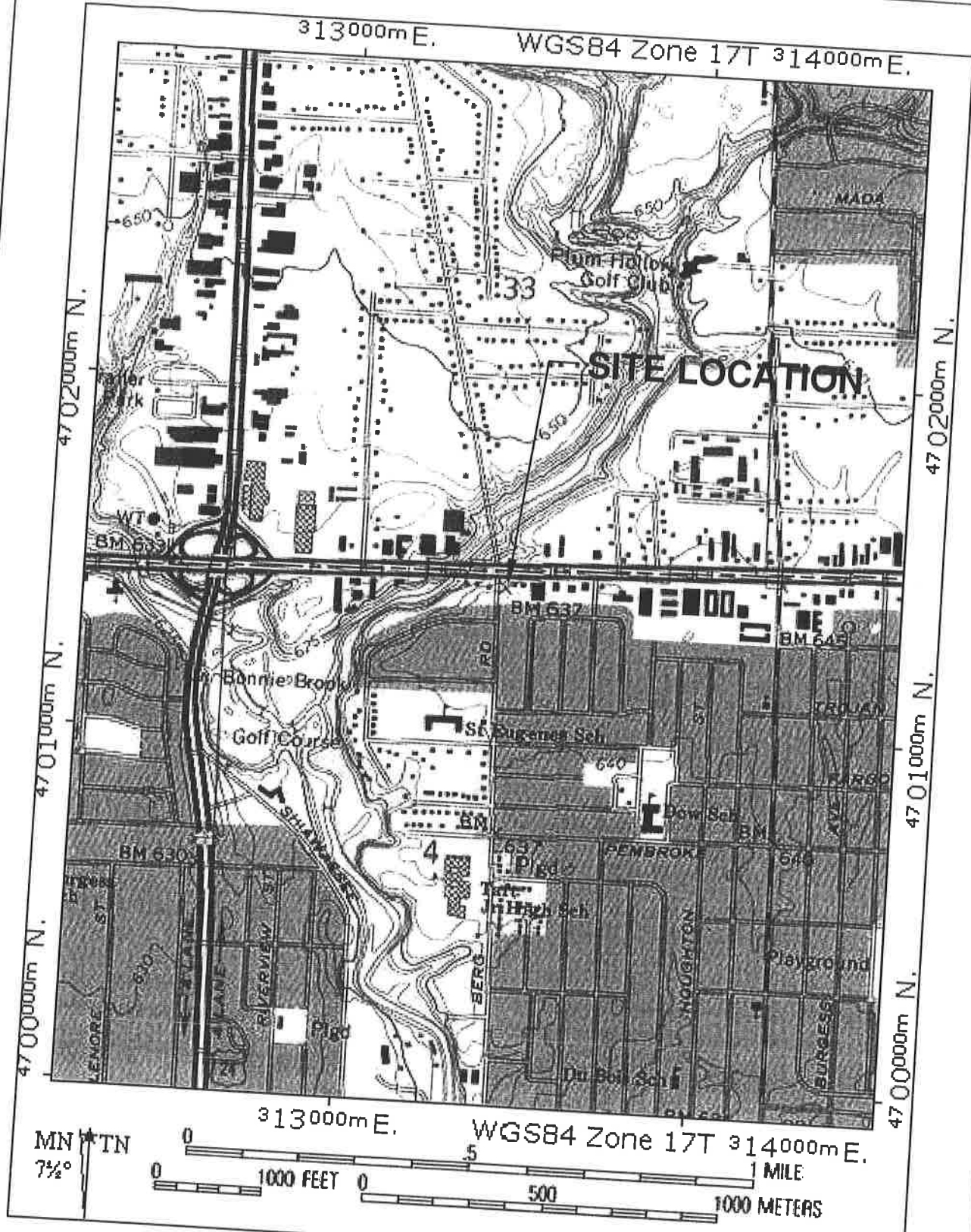


Gregory D. Kernosek, P.E.  
Principal Engineer

Attachments: Figure 1 - Site Location Map (three copies)  
Figure 2 - Process and Instrumentation Diagram (three copies)  
Three sets of permit request package




cc: MR. C. Shay Wideman - MRP Properties Company, LLC





SOURCE: U.S.G.S. TOPOGRAPHIC MAP (7.5 MINUTE SERIES)

Z:\TOTAL\4236\PERMIT FIGURES\FIGURE-1 (SITE LOCATION MAP).dwg

<p>NORTH</p> 	<h1>SITE LOCATION MAP</h1>		PROJECT NUMBER: 19-1484-06	 <p>38115 ABRUZZI DRIVE, WESTLAND MICHIGAN 48185 (734) 641-2700</p>
	<p>TPI PETROLEUM, INC. #4236 22645 W. 8 MILE ROAD DETROIT, MICHIGAN</p>		DRAWN BY: DAVID DAVIS CHECKED BY: GREG AZZOLI SCALE: AS SHOWN SCALE IN FEET 	

**NOTE 1:** WORK PERFORMED IN CITY OF DETROIT RIGHT-OF-WAY TO BE COMPLETED CONSISTENT WITH "STANDARD SPECIFICATIONS FOR PAVING AND RELATED CONSTRUCTION" MANUAL.

**NOTE 2:** RIGHT-OF-WAY FLAT WORK-CONCRETE STREETS, ALLEYS, SIDEWALKS, AND DRIVE APPROACHES CONSTRUCTED DURING THIS PROJECT SHALL BE STAMPED PER DETAIL (B/2).

**NOTE 3:** TRAFFIC CONTROL-TRAFFIC ACCESS MUST BE MAINTAINED AT ALL TIMES; BARRICADE USE TO BE MAINTAINED CONSISTENT WITH "STANDARD SPECIFICATIONS FOR PAVING AND RELATED CONSTRUCTION" MANUAL AND PERMIT-REQUIREMENTS.

COMBINED

DHI

MW/SB-

DHE

TMW-1

MW-37

20613 BER

DAMAGE

CHERO

# LEGEND

- ⊕ MONITORING WELL LOCATION
- (A) UNKNOWN MONITORING WELL LOCATION
- ⊗ DESTROYED MONITORING WELL
- ⊕ GEOPROBE LOCATION
- ⊕ SOIL BORING LOCATION
- ⊕ RECOVERY WELL LOCATION
- MANHOLE
- UTILITY POLE
- ⊗ CATCH BASIN
- W WATER LINE
- G GAS LINE
- SS SANITARY SEWER
- FO FIBER OPTIC
- CS COMBINED SEWER
- S STORM SEWER
- PROPERTY BOUNDARY

(A/2)

- DETAIL SHEET
- ⊕ PROPOSED RW
- ⊕ PROPOSED RW IN CITY OF DETROIT ROW PERMIT REQUEST
- PROPOSED TRENCH
- PROPOSED TRAILER LOCATION
- CITY OF DETROIT ROW PERMIT REQUESTED

## REMEDIATION SYSTEM LAYOUT (CITY OF DETROIT PERMITTING PLAN)

DATE	COMMENT	INT
8/19/08	ADD GPS DATA	JD
8/22/08	PROPOSED RWs	DD
9/9/08	FINAL	DD
CREATED BY: DD		
CHECKED BY: GA		

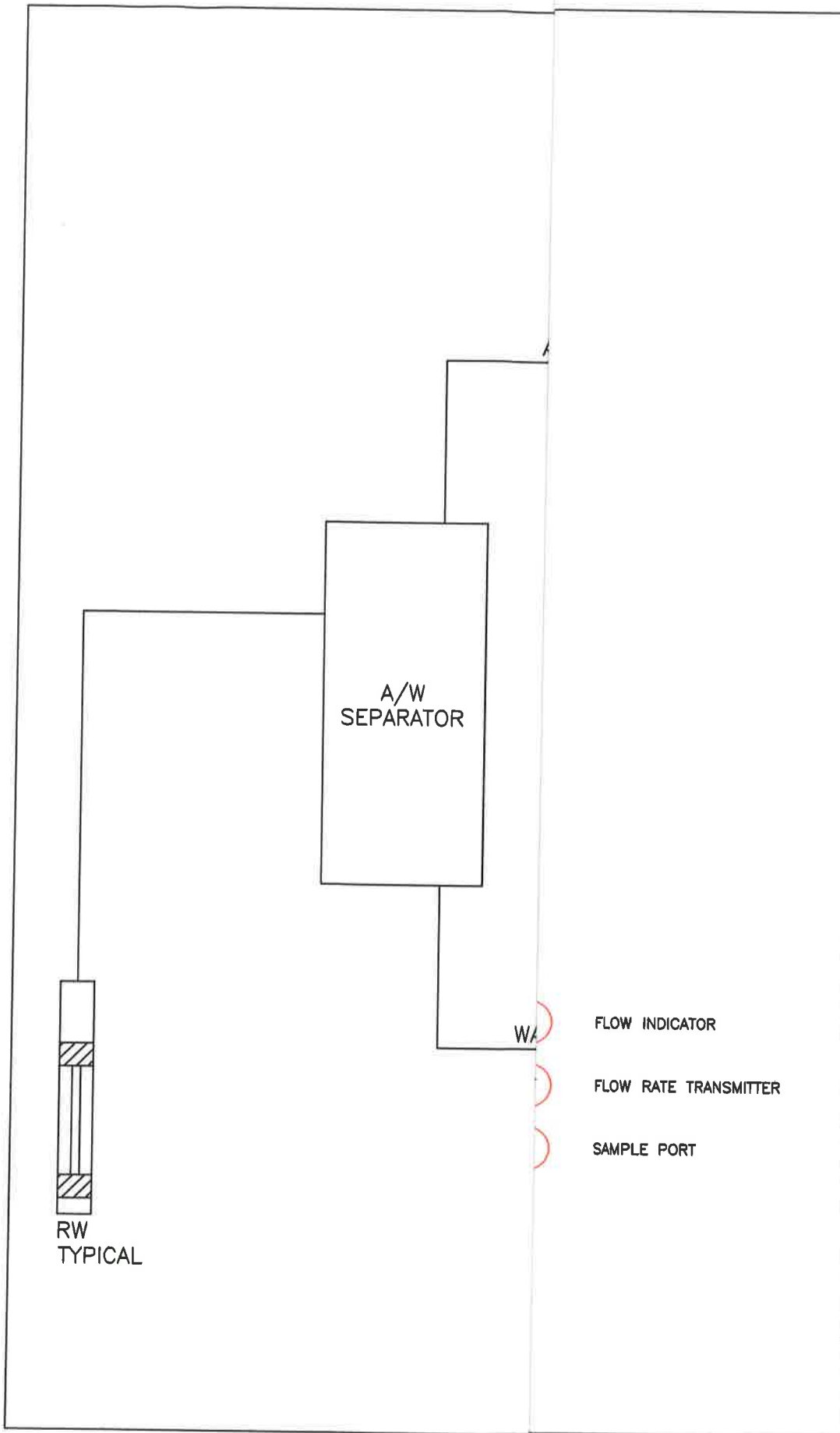
FORMER TPI #4236  
22645 W. 8 MILE ROAD  
DETROIT, MICHIGAN



38115 ABRUZZI DRIVE  
WESTLAND, MICHIGAN 48185  
(734) 641-2700

SHEET  
**1**

FILEPATH: Z:\TOTAL\4236\PERMIT FIGURES\FIGURE-1 (REMEDIATION SYSTEM LAYOUT (CITY OF DETROIT PERMITTING MAP)).dwg



Scale:		EnviroSolutions, Inc.		Date	Revision Description
TOTAL PETROLEUM, INC FORMER STATION # 4236 22645 W. 8 MILE ROAD DETROIT, MI		Checked By: DRK	Drawn By: DD		
<b>PROCESS AND INSTRUMENTATION DIAGRAM</b>		Path and file name: Z:\TOTAL\4236\PERMIT FIGURES\FIGURE-2 (PID).dwg			

FIGURE 2

**NOTE 1:** PRESSURE TEST ALL PIPING PRIOR TO BACKFILL

**NOTE 2:** DURING TRENCH EXCAVATION SEGREGATE SOIL SUITABLE FOR BACKFILL (SAND) FROM SOIL NOT SUITABLE FOR BACKFILL.

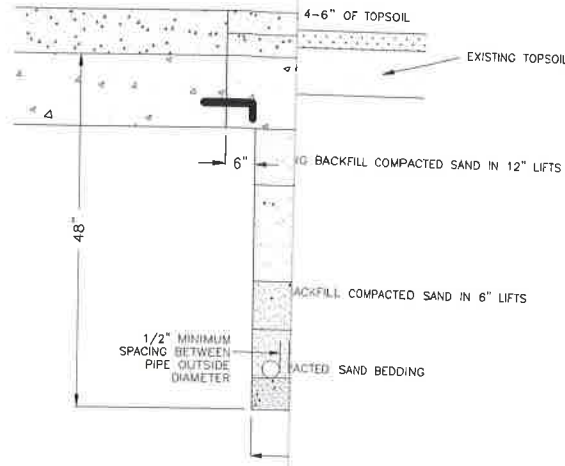
**NOTE 3:** CONTAMINATED SOIL WHEN ENCOUNTERED SHALL BE STOCK PILED ON AND COVERED WITH PLASTIC AS DIRECTED BY ENGINEER

**NOTE 4:** THE TRENCH BOTTOM AND BACKFILL MUST BE FREE OF DEBRIS AND ROCK LARGER THAN 2" IN DIAMETER.

**NOTE 5:** PIPE MUST LAY FLAT ON TRENCH BOTTOM AND BE CONTINUOUSLY SUPPORTED BY BEDDING.

**NOTE 6:** WHEN IT IS RAINING OR WHEN FORECAST CALLS FOR RAIN, COVER SOIL TO BE USED FOR BACKFILL WITH PLASTIC.

**NOTE 7:** ALL FILL COMPACTED TO 95% OF MAX. DENSITY



**A**  
**2** TRENCH DETAIL UNDER ROCK



**C**  
**2** TRENCH DETAIL UNDER SILT

Revision Description

DRAFT

FINAL

Date

08/25/08

09/09/08

EnviroSolutions, Inc.

Drawn By:  
DD

Scale:  
As Noted

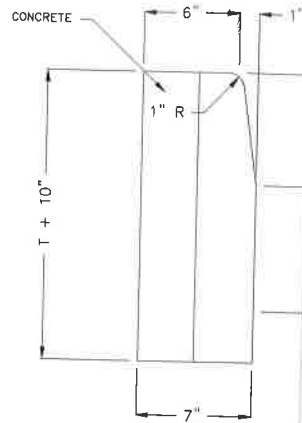
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GA

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Z:\TOTAL\4236\PERMIT FIGURES\FIGURE-2 (TRENCH DETAILS).dwg

FORMER TPI #4236  
22645 W. 8 MILE  
DETROIT, MICHIGAN

**DETAIL DRAWINGS**

**A**  
**3** CURB DETAIL



SEP

Scale:	<b>EnviroSolutions, Inc.</b>	
As Noted	Checked By:	Drawn By:
	GA	DD
Path and file name:		
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Date	Revision Description
08/25/08	DRAFT
09/09/08	FINAL

FORMER TPI #4236  
22645 W. 8 MILE  
DETROIT, MICHIGAN

**DETAIL DRAWINGS**

SHEET 3





February 3, 2010

Honorable City Council:

RE: Petition No. 2980 – EnviroSolution Inc. requested for installation of piping and wells beneath and within Berg Road south of property located at 22646 West Eight Mile Road.

Petition No. 2980 of “EnviroSolution Inc.” request permission to install and maintain recovery wells and piping in Berg Road, 66 feet wide, between Cherokee Drive, 50 feet wide, and West Eight Mile, also the East – West public alley, 26 feet wide, west of Berg Road and South of West Eight Mile Road. The purpose of the bored well is to remove the existence or extent of soil contamination within said area.

The encroachment petition was referred to the City Engineering Division – DPW for investigation and report. This is our report.

Soil boring and recovery wells installations are equivalent to an “open cut” in a public street or alley. Necessary permits will have to be obtained for any street or alley opening, backfill, or occupancy of the City rights-of-way to install monitoring wells.

DTE Energy-MichCon Gas Company reports involvement, but no objection to the encroachment provided that the request with recovery wells and piping will at least be 3.5 feet away from any DTE’s facilities and will not be in conflict with DTE’s existing gas main (8” – CL-2# 1956) located 11.0 feet from the West of the East property line of Berg Road.

The Detroit Water and Sewerage Department (DWSD) reports existing water and sewer facilities in Berg Road and a sewer in the east – west public alley where remediation pipes are going to be installed. However, DWSD has no objections to the proposed encroachments provided the requirements are strictly followed.

Traffic Engineering Division – DPW reports no objection to the requested encroachments into Berg Road and the east – west public alley provided that the grade shall be maintained in original condition after installation of the well is flush with the original grade.

The Department of Environmental Affairs (DEA) report that the petitioner trenching on the east side of Berg Road will cross the approaches to the driveways of 20380, 20378, 20366 and 20623 Berg Road, therefore, the DEA recommends that the petitioner use horizontal drilling under every driveway approach to install the piping at each said location. DEA and the Law Department shall draft a right-of-entry document for the petitioner once the Honorable City Council approves a resolution.

All other city departments and privately-owned utility companies have requested that the petitioner make use of the "MISS DIG" facilities before any soil borings, permanent monitoring wells or piping are installed in the public (street or alley) rights-of-way. Should damages to the utilities occur the petitioner shall be liable for all claims and damages to the encroaching installations.

Finally, the City Engineering Division – DPW will require "EnviroSolution Inc" to submit certified "as-built" drawings, a map and survey showing exact location of the petitioner's complete permanent monitoring well and piping installations within the public rights-of-way.

An appropriate resolution, granting the encroachments, is attached for consideration by your Honorable Body.

Respectfully submitted,

  
Manilal Patel, Interim City Engineer  
City Engineering Division – DPW

NRP\

Cc: Alfred Jordan, Director – DPW  
Mayor's Office - City Council Liaison

BY COUNCIL MEMBER \_\_\_\_\_

WHEREAS, City Council has adopted a resolution (June 6, 1990 – J.C.C. Pgs. 1325-26) urging the Michigan Department of Natural Resources and Environmental Protection Agency (“MDNR”) to investigate, inspect, and remedy all environmental problems in the City of Detroit to ensure public safety; also

WHEREAS, The State of Michigan requires that all-underground storage tanks shall be registered and inspected for leaks. Also, the “State” has mandated the replacement of leaking tanks including removal (and proper disposal) of contaminated soil; therefore be it

RESOLVED, The City Engineering Division – DPW is hereby authorized and directed to issue permits to “EnviroSolution Inc” to install and maintain eight (8) permanent recovery wells and piping encroaching within the public right-of-way for the purpose of removing the presence of hazardous materials and/or soil contamination from leaking underground storage tanks; said public right-of-way being nearby or adjoining property described as follows:

Lying within Berg Road, 66 feet wide, between Cherokee Drive, 50 feet wide, and West Eight Mile Road, 204 feet wide, adjacent to Lots 4 through 6, both inclusive, in the “Riverford Hieghts” a subdivision of part of the North ½ of Section 4, T.1S., R.10E., Redford Township (now City of Detroit) Wayne County, Michigan as recorded in Liber 40 Page 44, Plats, Wayne County Records; and Lying with in the East – West public alley, 26.00 feet wide, South of West Eight Mile Road, 204 feet wide, and East of Berg Road, 66 feet wide, adjacent to Lot C and 686 in the “Harry Slatkin’s Subdivision No. 4” of part of the Northeast ¼ of Section 4, T.1S.,R.10E., City of Detroit, Wayne County as recorded in Liber 81, Pages 47-8, Plats, Wayne County Records;

8 – Recovery wells in Berg Road, 66 feet wide, between Cherokee Drive, 50 feet wide, and West Eight Mile Road, 204 feet wide.

4 – Sections of Piping will be within Berg Road, 66 feet wide and the East – West public alley 26 feet wide between Cherokee Drive, 50 feet wide, and West Eight Mile Road, 204 feet wide, and East of Berg Road, 66 feet wide (please review attached drawings for more details of piping)

Encroachment(s) to consist of “permanently” (meaning more than thirty days, or other long-term duration) installed recovery wells within public rights-of-way, nearby or adjacent to the above-described property;

PROVIDED, Detroit Water and Sewerage Department (DWSD) does not waive any of its rights to its facilities located in the street or alley, and at all times, DWSD, its agents or employees, shall have the right to enter upon the street or alley to maintain, repair, alter, service, inspect, or install its facilities. All cost incident to the damaging, dismantling, demolishing, removal and replacement of structures or other improvements herein permitted and incurred in gaining access to DWSD's facilities for maintenance, repairing, alteration, servicing or inspection by DWSD shall be borne by the petitioner. All cost associated with gaining access to DWSD's facilities which could normally be expected had the petitioner not encroached into the street shall be borne by DWSD, and further

PROVIDED, that all construction performed under this petition shall not be commenced until after five (5) days written notice to DWSD. Seventy-two (72) hours notice shall also be provided in accordance with P.A. 53 1974, as amended, utilizing MISS DIG one call system, and further

PROVIDED, that construction under this petition is subject to inspection and approval by DWSD forces. The cost of such inspection shall, at the discretion of DWSD, be borne by the petitioner, and further

PROVIDED, that if DWSD's facilities located within the street shall break or be damaged as the result of any action on the part of the petitioner, then such event the petitioner agrees to be liable for all cost incident to the repair, replacement, or relocation of such broken or damaged DWSD facilities, and further

PROVIDED, that the petitioner shall hold DWSD harmless for any damages to the encroaching device constructed or installed under this petition which may be caused by the failure of DWSD's facilities, and further

PROVIDED, that the remediation pipes shall be installed according to the plans and profiles given and/or on file with DWSD, and further

PROVIDED, that the petitioner shall install signs indicating where the remediation pipes cross Berg Road and showing the contact information for the remediation pipes, and further

PROVIDED, that prior to the construction for installing the remediation pipes the petitioner shall obtain a Easement Encroachment Permit from DWSD which will require, among other things, the petitioner to furnish proof of insurance coverage, and further

PROVIDED, that if at any time in the future the petitioner shall request removal and/or relocation of DWSD's facilities in the street or alley being encroached upon the petitioner agrees to pay all cost for such removal and/or relocation, and further

PROVIDED, That nothing in this resolution shall be construed as giving any authority, permission or grant to the permittee for any part of the encroaching recovery wells and piping to be placed upon the surface or underground rights of privately-owned property. Enforcement of violations of fire safety regulations and buildings code is the responsibility of the Fire Marshal and Buildings and Safety Engineering Department. The petitioner shall apply to the Buildings and Safety Department for approval and permits to place any recovery wells and piping on privately owned property (if necessary); and further

PROVIDED, It is the intention of this resolution to authorize the City Engineering Division – DPW (prior to the issuance of “encroachment” permits) to act in behalf of the city require the permit applicant to perform any reasonable task to protect public property interests including, but not limited to, the submission of engineering plans (containing construction details and distances from property lines) of each proposed encroaching recovery wells. Also, the City Engineering Division – DPW may require the permit applicant to secure approval(s) of said plans from Wayne County, the State of Michigan, any city departments (including city commissions, authorities, corporations, councils, boards, contractors, and agencies whenever applicable) and/or utility companies are specifically enumerated in this resolution or not; and further

PROVIDED, Said recovery well and piping encroachment(s) shall be installed and maintained under the rules and regulations of the City Engineering Division – DPW, the Fire Marshal and Buildings and Safety Engineering Department in accord with Detroit Code Section 50-1-9 and 10; and further

PROVIDED, Whenever it becomes necessary to open-cut, drill, bore, jack, occupy or barricade public rights-of-way for construction of recovery wells and piping installations, such work shall be according to detailed permit application drawings (to be submitted by the petitioner or their assigns, subject to city department review and stamp approvals) prior to any public right-of-way construction; and further

PROVIDED, said encroaching recovery well and piping installations shall be according to the specifications of the Detroit Water and Sewerage Department (DWSD), including the minimum vertical clearance of one foot, a minimum horizontal clearance of three and one half feet between DWSD sewers, drains, water mains, fire hydrants, catch basins, sewer and water manholes or shut-off (and any other DWSD facilities) and the proposed permanent recovery well encroaching installations; and further

PROVIDED, All costs for the construction, maintenance, permits and use of the encroaching recovery wells shall be borne by the petitioner. Should damages to utilities occur, the petitioner shall be liable for all incidental repair costs and waives all claims for damages to the encroaching installations; and further

PROVIDED, If it becomes necessary to repair or replace the utilities located or to be located in the public rights-of-way, by the acceptance of this permission, the owners for themselves, their heirs or assigns, waive claims for any damages to the encroaching installations and agree to pay the cost incurred in their removal, if their removal becomes necessary, and to restore the property affected to a condition satisfactory to the City Engineering Division – DPW at the owner’s expense; and further

PROVIDED, That any encroaching recovery wells shall be installed and maintained with a secure frame and cover, so as to fit flush within the public sidewalk, berm, or pavement grade. All public rights-of-way shall be maintained safe and convenient for public travel. The petitioner shall be liable for all claims, damages, costs, demands, expenses, and cause of action of every kind and character arising in favor of any person, or other legal entity on account of personal injuries or death or damage to property caused by or claimed or alleged to have arisen out of failure to properly install and maintain any encroaching recovery wells. The installation and maintenance of said encroachments shall comply with the rules and regulations of the City Engineering and Traffic Engineering Division(s) – DPW; and further

PROVIDED, That the petitioner shall file with the Finance Department and/or City Engineering Division – DPW an indemnity agreement in form approved by the Law Department. The agreement shall save and protect the City of Detroit from any and all claims, damages or expenses that may arise by reason of the issuance of the permits and faithful or unfaithful performance by the petitioner of the terms thereof. Further, the petitioner shall agree to pay all claims, damages, or expenses that may arise out of the maintenance of the proposed encroachments; and further

PROVIDED, That said permittee shall be subject to any tax under the provision of the General Property Tax act, which may be levied against it pursuant to law; and further

PROVIDED, That no other rights in the public streets, alley or other public places shall be consider waived by this permission which is granted expressly on the condition that said encroachments shall be removed at the expense of the permittee at any time when so directed by the City Council, and the public property affected shall be restored to a condition satisfactory to City Engineering Division – DPW at the permittee sole cost and expense; and further

PROVIDED, That the petitioner shall apply to become a participating member of the “MISS DIG” organization (if necessary); and further

PROVIDED, That said permits issued by the City Engineering Division – DPW and/or the Buildings and Safety Engineering Department(s) are granted with the distinct understanding that in the event the City Charter, or Detroit Code(s), or ordinance(s), or resolution(s), or city policies (governing the placement of encroachments in the public rights-of-ways) are amended to provide for levying thereafter, of fee, charge or rental, to be hereafter determined upon, for the occupancy of public streets, alleys or other public places, that the permittee will pay said fee, charge or rental provided for in said Charter, or Code(s), or ordinance(s), or resolution(s), or policies; also said permittee does hereby bind itself thereunto, and accept said permits on the conditions hereby imposed, and in the event said permittee shall contest the validity of said Charter, or Code(s), or ordinance(s), or resolution, or policies of said fee, charge or rental, or upon refusal to pay same, these permits shall immediately become void; and further

PROVIDED, This resolution is revocable at the will, whim or caprice of the City Council, and permittee hereby waives any right to claim damages or compensation for removal of encroachment(s), and further, that the permittee acquires no implied or other privileges hereunder not expressly stated herein; and further

PROVIDED, The installation and maintenance of the encroachments referred to herein shall be construed as acceptance of this resolution by the permittee; and further

PROVIDED, That the encroachment permits shall be assigned or transferred without the written approval of the City Council; and further

PROVIDED, that the petitioner trenching on the east side of Berg Road is done by horizontal drilling under every driveway approach to install the piping to ensure no inconvenienced for the property owners and the right-of-entry will be obtained by DEA prior to the contractor's field activities and once the City Council has approved the petition; and further

PROVIDED, that the recovery wells and piping are at least be 3.5 feet away from any DTE's facilities and will not be in conflict with DTE's existing gas main (8" – CL-2# 1956) located 11.00 feet West of the East property line of Berg Road, and further

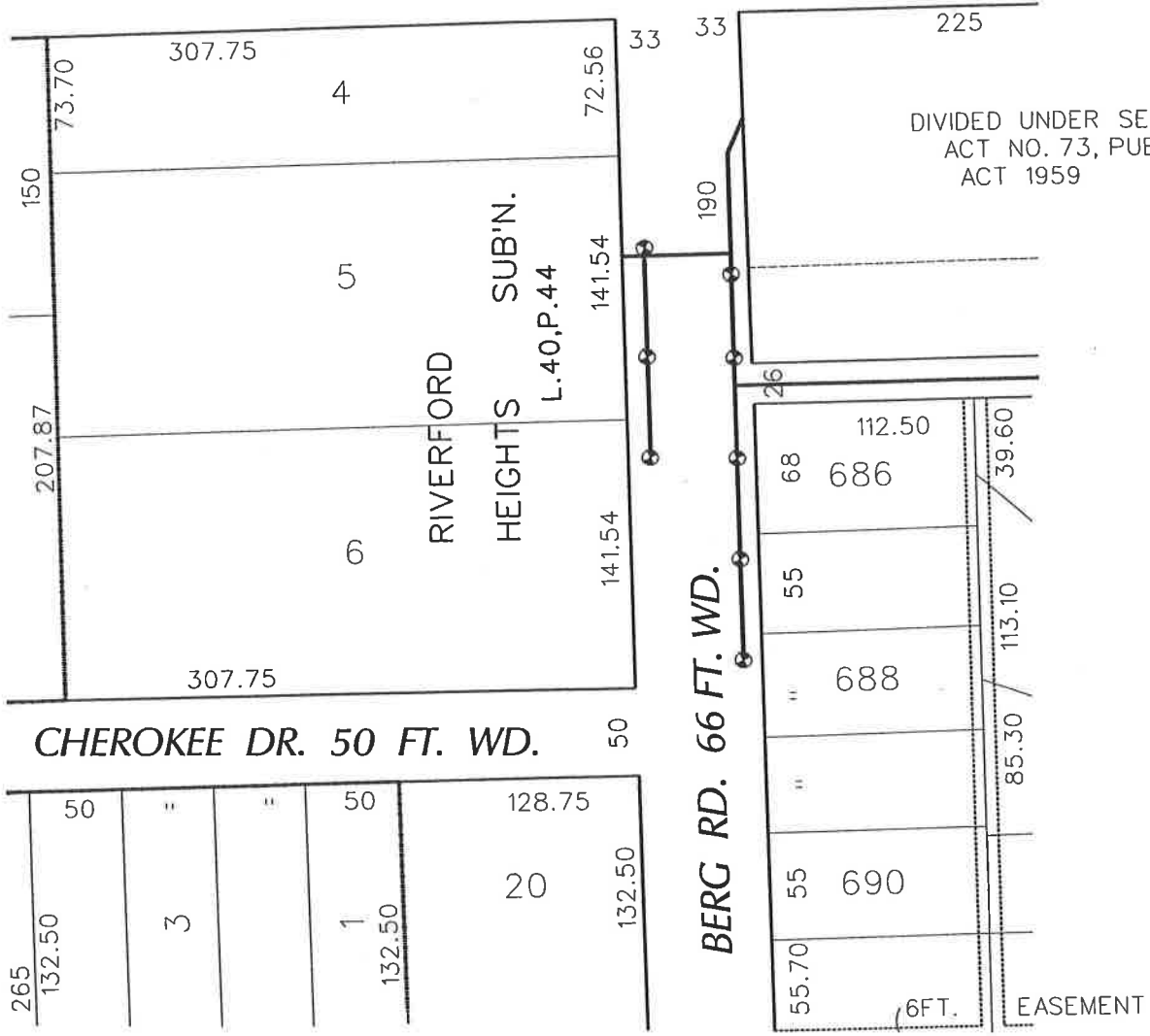
PROVIDED, that the grade shall be maintained in the original condition after installation of the recovery wells are flush with the original grade, and further

PROVIDED, That the City Clerk shall within 30 days record a certified copy of this resolution with the Wayne County Register of Deeds.

EnviroSolutions, Inc.  
 38115 Abruzzi Drive  
 Westland, Mi. 48185  
 c/o GREGORY D. KERNOSEK  
 PHONE NO. 734 641 2770  
 FAX NO. 734 641 2775  
 Info@envirosolutionsinc.net



**EIGHT MILE RD. 204 FT. WD.**



-AREA OF ENCROACHMENT (w/Monitor Well and/or Recover Well)



-AREA OF ENCROACHMENT (w/Retention Piping)

(FOR OFFICE USE ONLY)

CARTO 123 A&B

B						<b>REQUEST ENCROACHMENT INTO BERG ROAD AND THE 20 FT. WD. PUBLIC ALLEY WITH RECOVER WELLS AND RETENTION PIPING BETWEEN EIGHT MILE ROAD AND CHEROKEE ROAD</b>	<b>CITY OF DETROIT</b> CITY ENGINEERING DEPARTMENT SURVEY BUREAU
A							JOB NO. 01-01 DRWG. NO. X2980.dgn
DESCRIPTION		DRWN	CHKD	APPD	DATE		
DRAWN BY		CHECKED					
DATE		APPROVED					



Revision Description	Date
UPDATE DETAILS NOTES	03/17/08
UPDATE DETAILS NOTES	04/06/09
ADD C/4 DETAIL NOTES	04/09/09
UPDATE PROPOSED TRENCH IN ROW	05/08/09

Path and file name:  
 Checked By: GA  
 Drawn By: DD  
 EnviroSolutions, Inc.

Scale:  
 GRAPHIC  
 FORMER TPI #4236  
 22645 W. 8 MILE  
 DETROIT, MICHIGAN  
 REMEDIATION SYSTEM LAYOUT  
 (CITY OF DETROIT)  
 REMEDIATION PLAN

NOTE 1: WORK PERFORMED IN CITY OF DETROIT RIGHT-OF-WAY TO BE COMPLETED CONSISTENT WITH "STANDARD SPECIFICATIONS FOR PAVING AND RELATED CONSTRUCTION" MANUAL.

NOTE 2: RIGHT-OF-WAY FLAT WORK-CONCRETE STREETS, ALLEYS, SIDEWALKS, AND DRIVE APPROACHES CONSTRUCTED UNDER THIS PROJECT SHALL BE SHAPED PER DETAIL 10.

NOTE 3: TRAFFIC CONTROL-TRAFFIC ACCESS MUST BE MAINTAINED AT ALL TIMES. TRAFFIC CONTROL SHALL BE MAINTAINED CONSISTENT WITH "STANDARD SPECIFICATIONS FOR PAVING AND RELATED CONSTRUCTION" MANUAL, AND PERMIT-REQUIREMENTS.

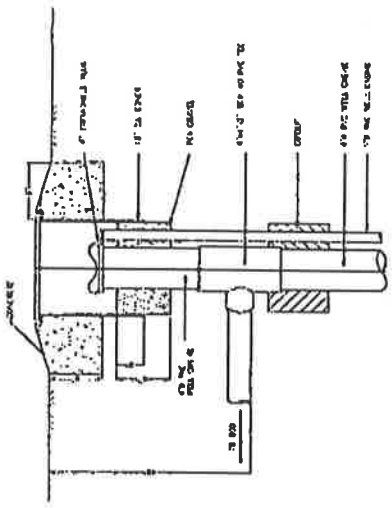
NOTE 4: SEWER DISCHARGE AND TAP IN BEING COORDINATED WITH THE CITY OF DETROIT WATER AND SEWER DEPARTMENT (SPECIAL DISCHARGE PERMIT NO. S05-93791)



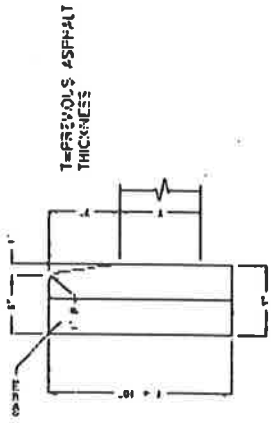
- Legend**
- MANHOLE
  - UTILITY POLE
  - CATCH BASIN
  - SEWER LINE (12")
  - SEWER LINE (18")
  - SEWER LINE (24")
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Scale:	As Noted	EnviroSolutions, Inc.	Date	Revision Description
Checked By:	DD	Drawn By:	08/25/08	DRAFT
Path and file name:			08/09/08	FINAL

FORMER TPI #1236  
 22643 W. 6 MILE  
 DETROIT, MICHIGAN  
 DETAIL DRAWINGS



**B** RECOVERY WELL DETAIL



**A** CURB DETAIL  
 TYPE II  
 SEPARATE CURB

**A** CURB DETAIL

**WRITTEN ACCEPTANCE OF THE TERMS AND CONDITIONS OF DETROIT CITY COUNCIL**

**RESOLUTION PETITION # 2980 , ADOPTED \_\_\_\_\_**

EnviroSolutions, Inc. ("Permittee") whose address is 38115 Abruzzi Drive, Westland, Michigan by and through Greg Kernosek, its President does hereby accept the terms and conditions of the City Council Resolution granting Petition #2980, and agrees to complete with its requirements; and further, that pursuant to the said Resolution, Permittee does hereby agree to save harmless the City of Detroit ("The City") from any and all liabilities, obligations, penalties, costs, changes, losses, damages, or expenses (including without limitation, fees and expenses of attorneys, expert witnesses and other consultants) which may be imposed upon, incurred by or asserted against the City by reason of the issuance of said permit(s), or the performance or non-performance by the Permittee of the terms of the permit(s) hereof, or that may arise out of the maintenance of the above described easement by Permittee's personnel, agents, and employees; and further, that in accordance with the said Resolution, a certified copy of the aforementioned City Council resolution will be recorded in the Office of the Register of Deeds of Wayne County by the City Clerk.

Wherefore, we have hereunto set our set our hands on this 10 day of April  
      , 2009.

**Witnessed By:**

**Permittee:** EnviroSolutions, Inc.

Matthew Cooper

Doug D'Almeida  
President

**Approved By Law Department:**

[Signature]

5-6-09

STATE OF MICHIGAN

COUNTY OF WAYNE

On this 10 day of April, ~~2004~~<sup>2009</sup>, before me, a Notary of Public in and for said County, Appeared Maqneel to me known personally, who being duly sworn, did say that he is the PRESIDENT of EnviroSolutions, Inc. and that the Written Acceptance of the Terms and Conditions of the City Council Resolution Approving Petition No. #2980, adopted on \_\_\_\_\_, was signed on behalf of said corporation be authority of its officers.

OATH

Before me, Nora A. Grzywacz a Notary Public in and for Wayne County, State of Michigan, personally appeared \_\_\_\_\_ and he being first duly sworn by me upon his oath, says that the facts alleged in the foregoing instrument are true.

(SEAL)

(Signed)

Nora A. Grzywacz  
Notary Public

