

City of Detroit
OFFICE OF THE CITY CLERK

WJ/JF

Jackie L. Currie
City Clerk

Vernon C. Allen
Deputy City Clerk

DEPARTMENTAL REFERENCE COMMUNICATION

April 21, 2003

To: The Department or Commission Listed Below

From: Jackie L. Currie
Detroit City Clerk

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.

/PUBLIC WORKS DEPARTMENT - CITY ENGINEERING
DIVISION/WATER AND SEWAGE DEPARTMENT/

1372 Nesa & Associates, Inc., for encroachment to perform groundwater investigation in alley north of 1555 East Outer Drive.

91c



NESA & ASSOCIATES, INC.

■ Corporate 23840 Dequindre, Warren, MI 48091
□ Kentwood 2120 4th Street SE, Suite 102, Kentwood, MI 49508
□ Mokena 19215 South Blackhawk Parkway, Mokena, IL 60448

(586) 427-5525 • Fax (586) 427-5530
(616) 455-3902 • Fax (616) 455-3906
(815) 464-1257 • Fax (815) 464-1259

April 8, 2003

City Council
City Clerk Office
200 Coleman A. Young Municipal Center
2 Woodward
Detroit, MI 48226

RE: Advancement of Monitoring Well Installation
Assessing Groundwater in Alley
(Alley north of project site)
Former Shell Service Station WIC #: 221-2490-6409
Facility ID #: 0-0010460
1555 East Outer Drive
Detroit, Wayne County, Michigan

To Whom It May Concern:

Please find enclosed, information and material necessary to perform groundwater investigation in the alley north of the Former Shell Service Station (WIC # 221-2490-6409; Facility ID # 0-0010460) located at 1555 East Outer Drive, Detroit, Michigan.

Shell Oil Products US (Shell) has retained NES & Associates, Inc. (NES) to assess groundwater for the impact of petroleum hydrocarbons in the alley north of the target property. The plan includes the advancement of one soil boring in this alley (north of the target property). The soil boring would be advanced in the alley on the eastbound lane of the alley, and north of the target property. Figure 1 presents the location of the proposed soil boring.

NESA plans to advance one 2-inch diameter boring with a Geoprobe™ DT (hydraulic push device) to a maximum depth of approximately 13-feet below ground surface (bgs) in the location specified in the Figure provided. The boring will be completed with the installation of a 2-inch Schedule 40 PVC monitoring well with a 10-foot long, 2-inch Schedule 40# 10 slot PVC well screen that will be set from 3- to 13-ft bgl. A schematic of the monitoring well detail and its construction is presented in Figure 2. NES also understands that any disturbed areas within the right-of-way must be finished to approximately match the pre-existing conditions per current MDOT/Wayne County standards and specifications. MISS-DIG will be notified at least 72 hours before the commencement of the work.


Environmental Science & Engineering Services

1555 East Outer Drive, Detroit
Alley Application; Wayne County
04/10/03

Enclosed in this package are: 1) the completed letter of intent; 2) a figure specifying the location of the proposed monitoring well (Figure 1) – 3 copies; and 3) a schematic or well construction diagram for the monitoring well to be installed (Figure 2) – 3 copies.

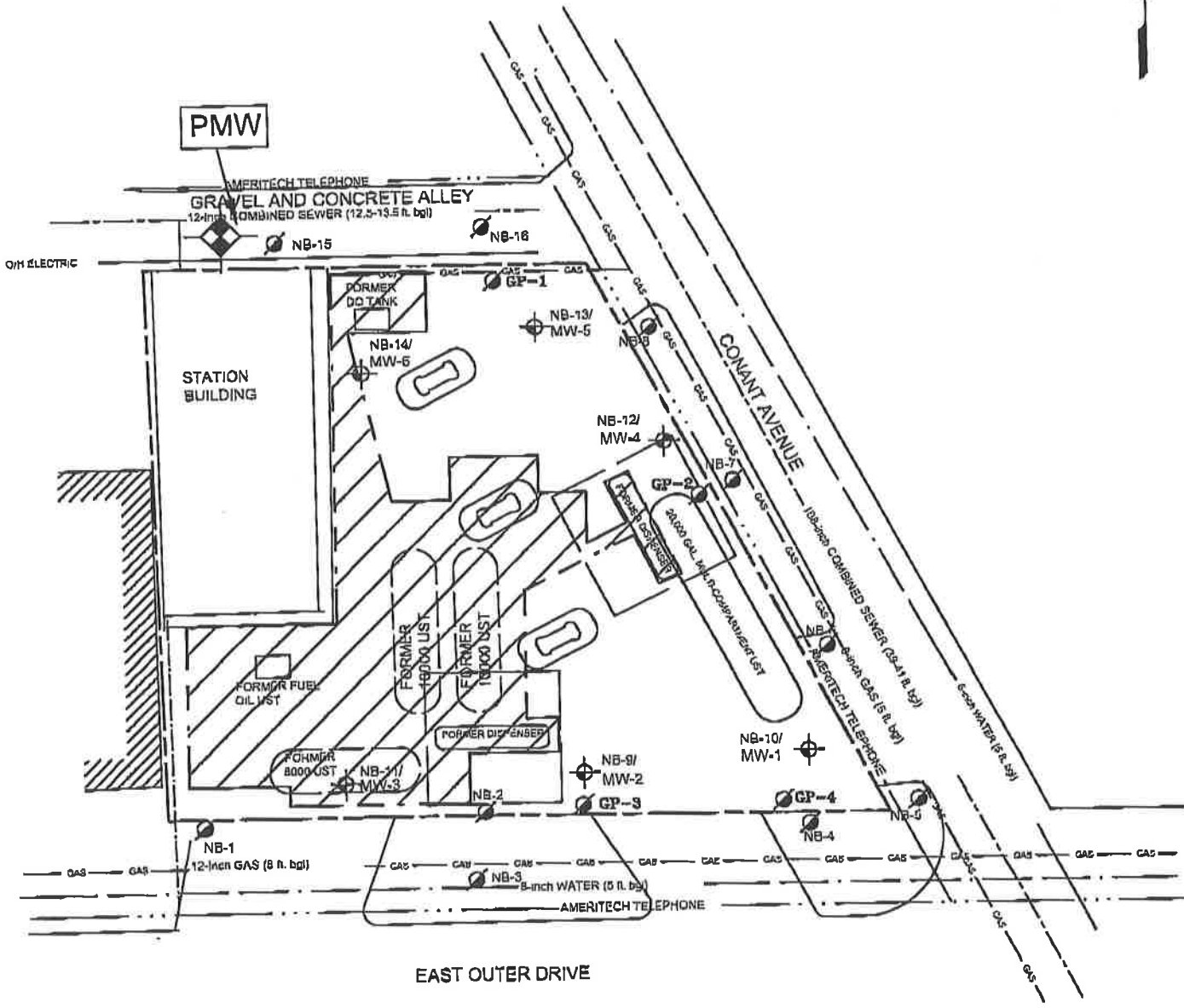
We are ready to proceed immediately upon appropriate notification from the Wayne County/ Department of Public Services/ Engineering Department/ Permit Office. NESAs/Shell understand that a permit fee will be charged based on the work to be performed in this right-of-way. If you require additional information, or have any questions or comments, please contact NESAs at (586) 427-5525.

Respectfully Submitted:
NESAs & Associates, Inc.






Trena J. Sundquist, B.S.
Staff Geologist

Cc: Mr. Stace Bieber (Shell)
Mr. Jim Kirsch (NESAs)


JINA

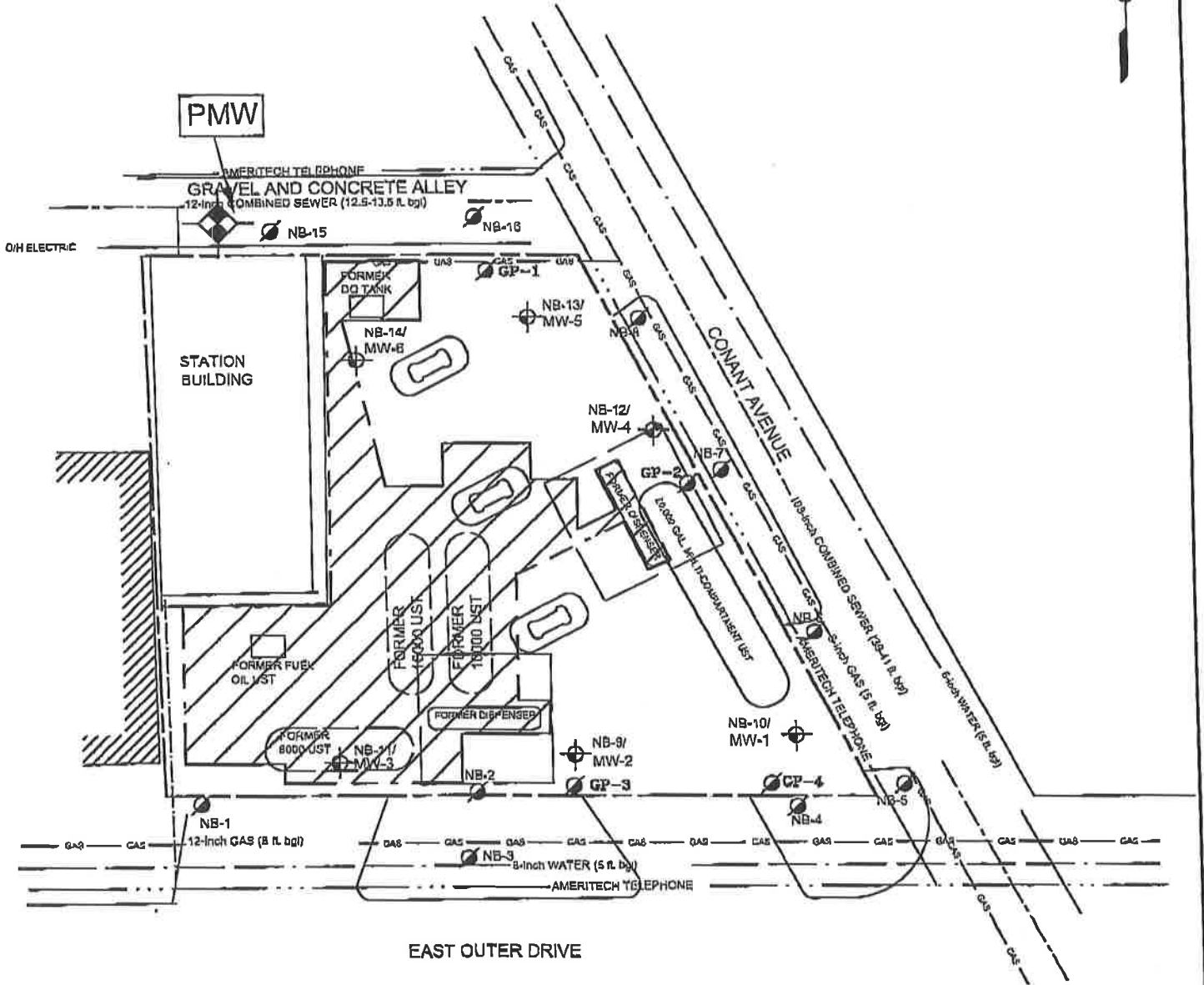


LEGEND





-  EXCAVATION AREA
-  MONITORING WELL
-  SOIL BORING
-  PROPOSED MONITORING WELL LOCATION (PMW)




PREPARED BY: JMK DATE: 2002	FIGURE 1 BASE MAP WITH UTILITIES
MODIFIED BY: TJS DATE: 4/8/03	
CHECKED BY: JMK	SHELL SERVICE STATION WIC #: 221-2490-6409 1555 OUTER DRIVE @ CONANT DETROIT, MICHIGAN
	

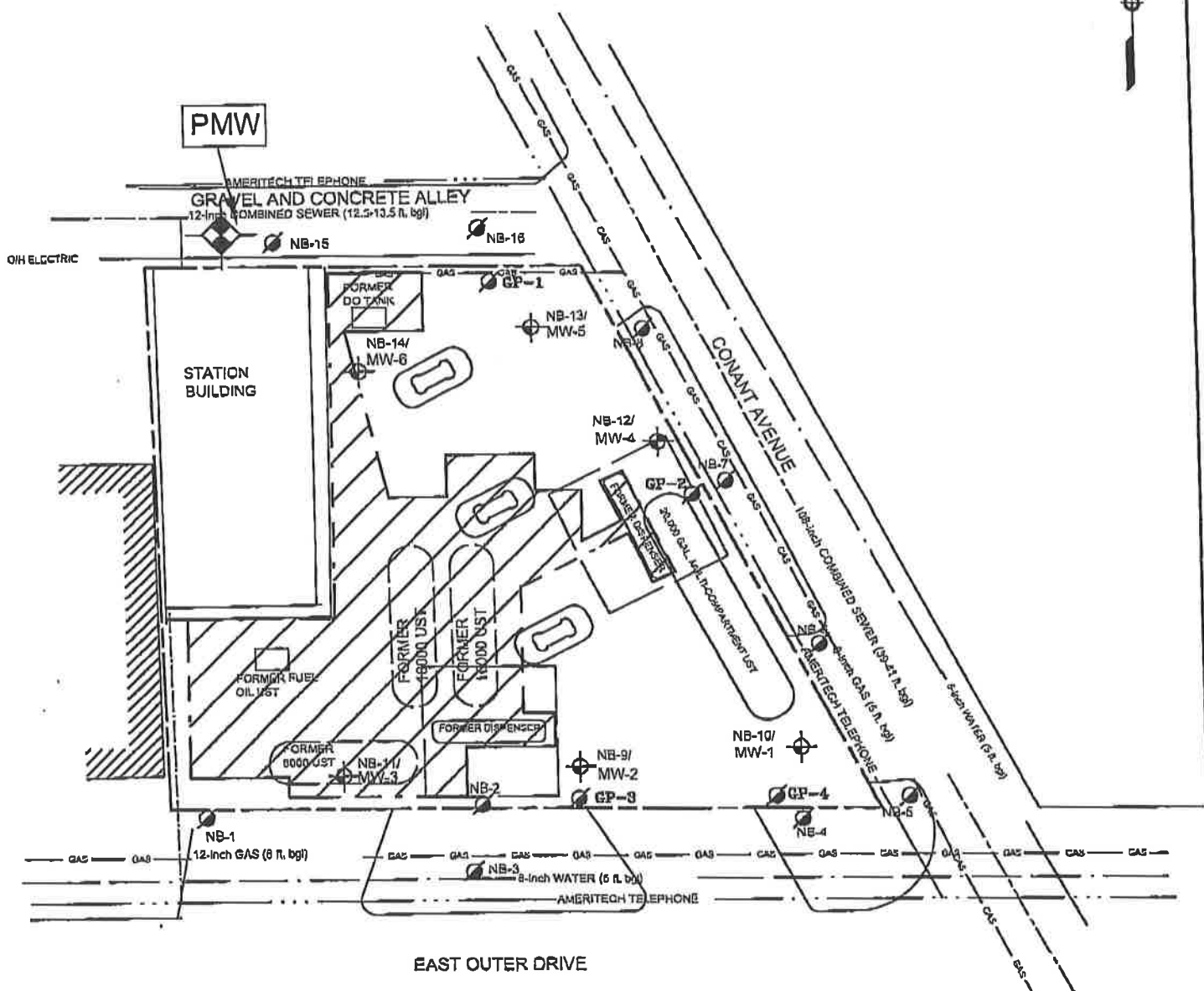


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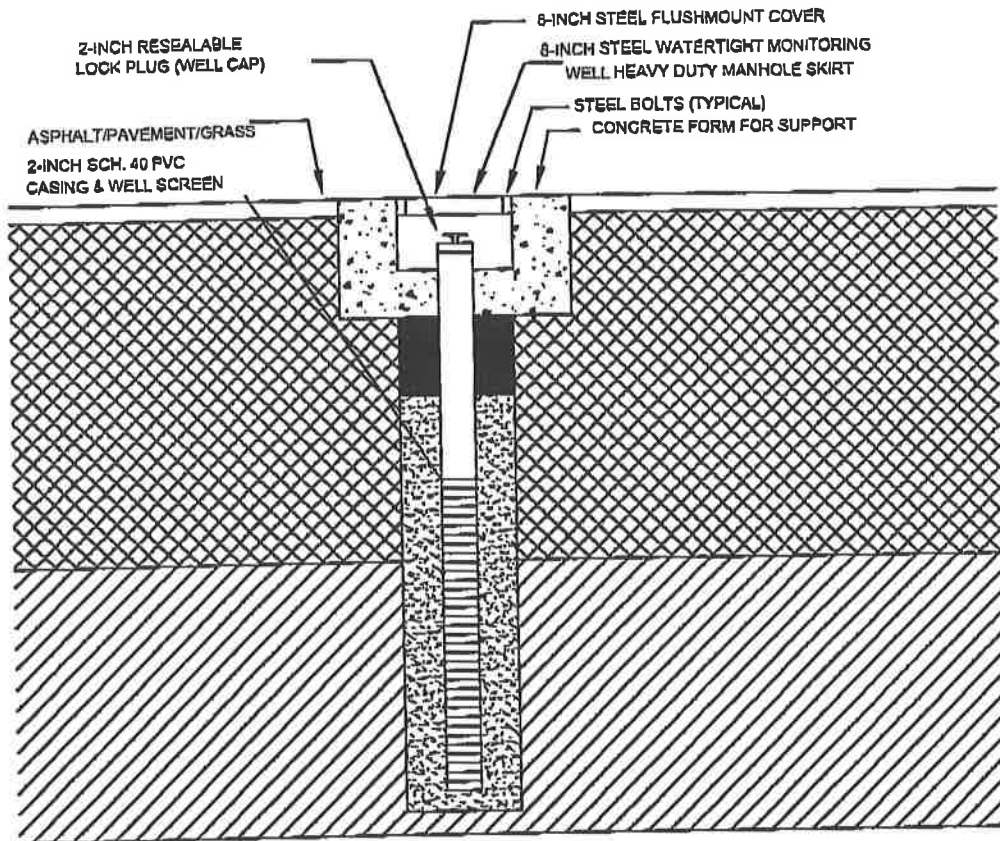


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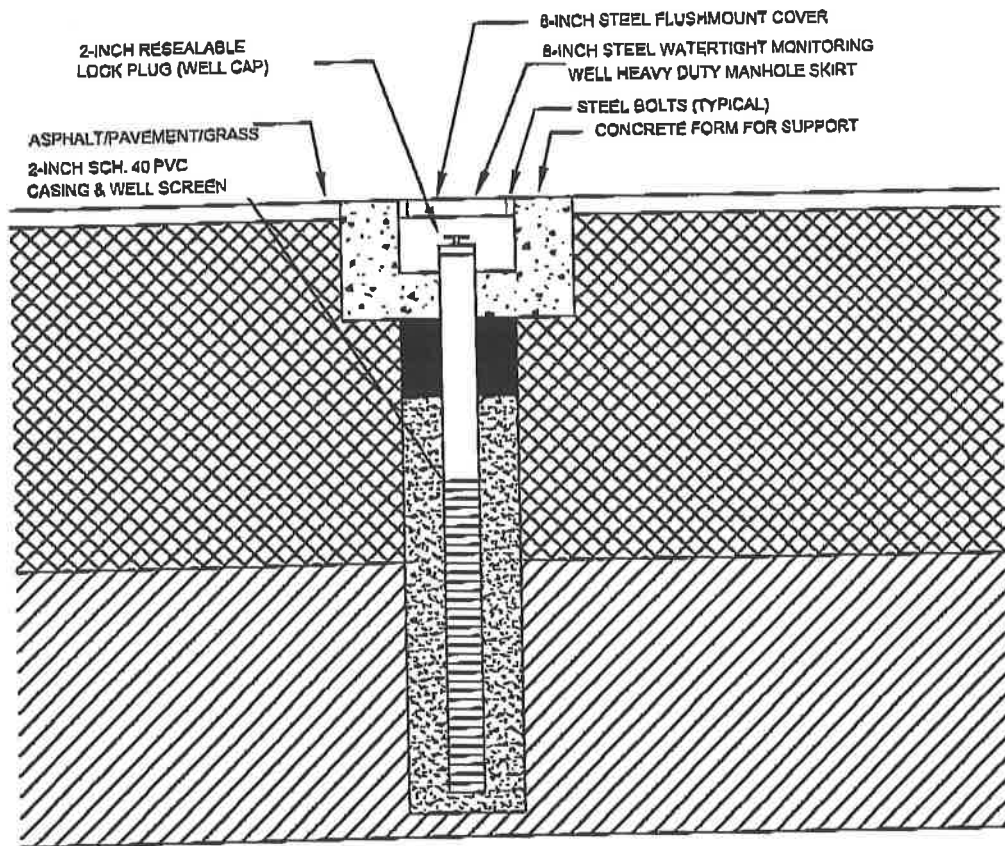
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CHECKED BY: JMK	



LEGEND

- BENTONITE
- SAND FILL
- CONCRETE
- NATURAL SOILS
- GROUNDWATER

PREPARED BY: KKC	FIGURE 2 WELL DETAILS
DATE: 12/2001	
MODIFIED BY: TJS	FORMER SHELL STATION WIC # 221-2490-6409 1555 E OUTER DRIVE DETROIT, MICHIGAN
DATE: 4/8/03	
CHECKED BY: JMK	



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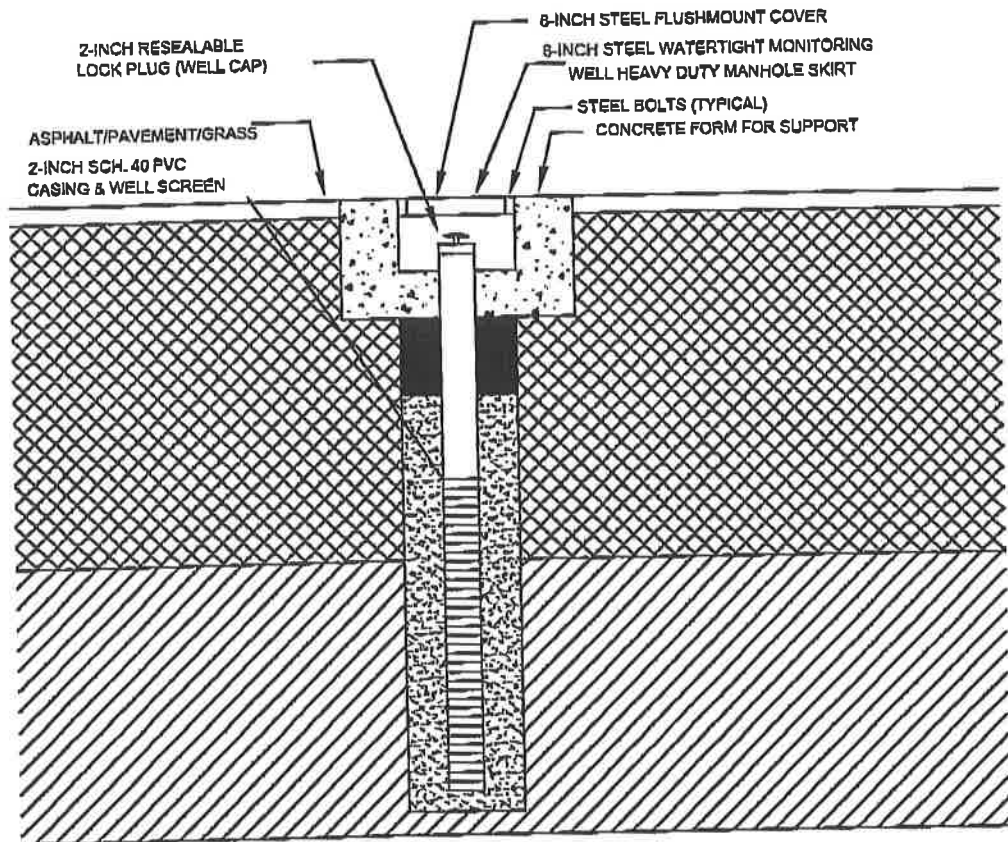
DATE: 4/8/03

CHECKED BY: JMK

**FIGURE 2
WELL DETAILS**

FORMER SHELL STATION
WIC # 221-2490-6409
1555 E OUTER DRIVE
DETROIT, MICHIGAN





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**FIGURE 2
WELL DETAILS**

FORMER SHELL STATION
WIC # 221-2490-6409
1555 E OUTER DRIVE
DETROIT, MICHIGAN

