

NPB 15-016  
#1

City of Detroit  
City Engineering Division, Department of Public Works  
Survey Bureau

NOTICE OF PROPOSED CHANGE IN PROPERTY

Date: 1/22/2015

Petition: x520

- AT&T Telecommunication
- Cable Television (CATV)
- Detroit Edison (DTE)
- Michigan Consolidated Gas (DTE)
- Fire Department
- Planning & Development Department
- Public Lighting Authority
- Public Lighting Dept. - Communication Division
- Public Lighting Dept. - Overhead Line Division
- Public Lighting Dept. - Underground Division
- Police Department
- Recreation Department
- Sanitation Division, DPW
- Street Design Bureau, DPW
- Street Maintenance Division, DPW
- Street and Traffic Division, DPW
- Water and Sewerage Dept. - Sewer Design
- Water and Sewerage Dept. - Water Design
- Vacation
- Conversion to Easement
- Dedication
- Encroachment
- Temporary Closing
- Berm Use

A petition drawing is attached. Property shown on the attached print is proposed to be changed as indicated.

Kindly report (using the back of this sheet) the nature of your services if any affected by the proposed change and the estimated costs of removing and rerouting such services (if necessary).

Please return one copy to City Engineering Division, DPW. Retain one copy and print for you file.

Ron Brundidge, Director, Department of Public Works

By: Richard Doherty, CED DPW  
City Engineer

9.18/2014 cfr

RECEIVED  
JAN 23 2015

NEIGHBORHOOD  
POLICING BUREAU

TO: City Engineering Division, DPW  
65 Cadillac Square, Suite 900  
Detroit, Michigan 48226-2873  
Survey Bureau: 313-224-3970

x520

The proposed change in property (referred to on the other side of this sheet) would affect our services as follows:

- Not Involved
- Involved; but asking you to hold action on this petition until further notice.
- Involved; but no objections to the property change.
- Involved; but no objections to the property change...provided as easement of the full width of the public right-of-way (street, alley or other public place) is reserved.
- Involved; the nature of our services and the estimated costs of removing and/or rerouting such services are:

Police Department  
(Utility or City Department)

C. Petty  
By

Captain  
Title

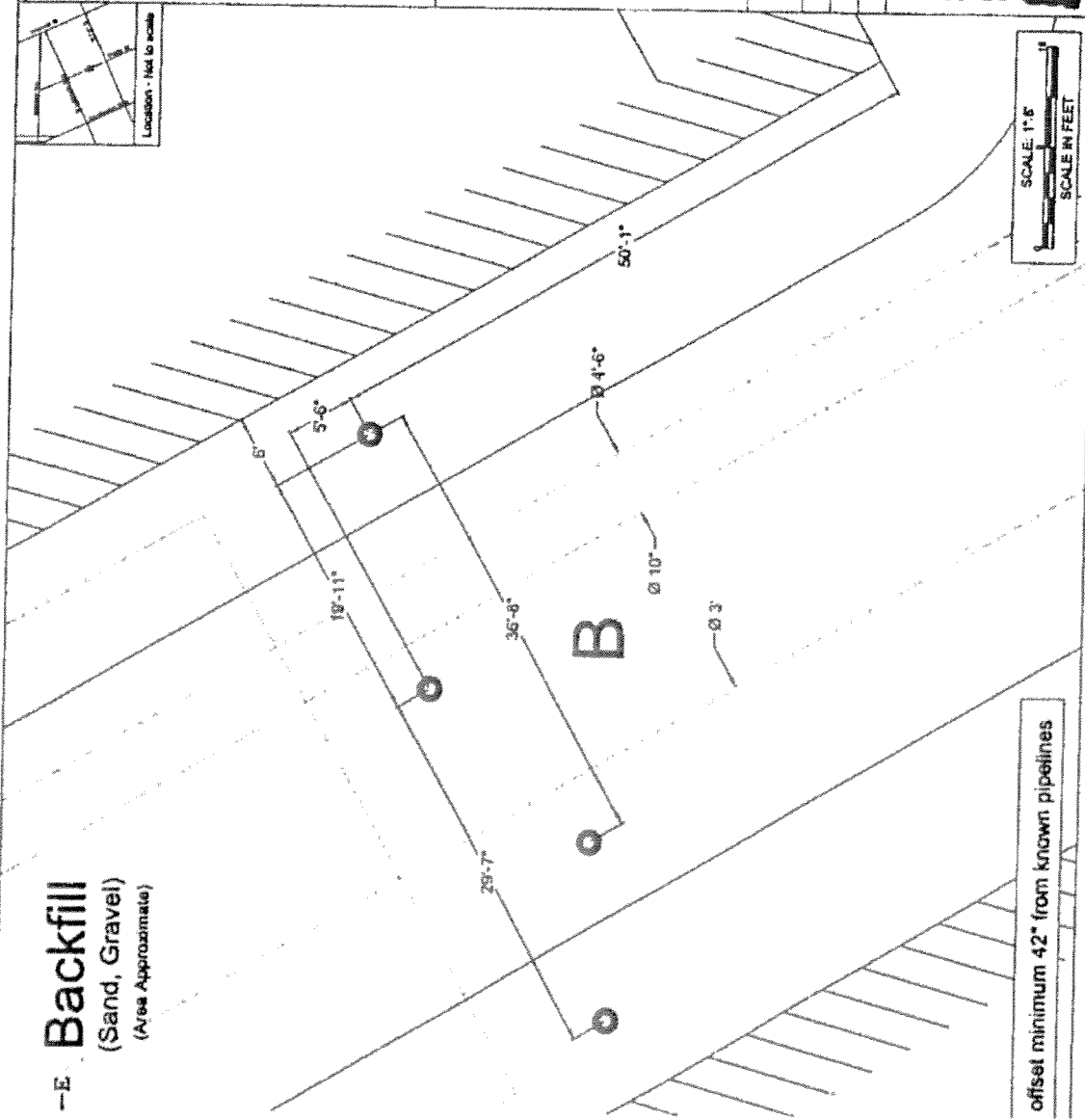
4-7-2015  
Date

(313) 237-2828  
Area code - Telephone number

RECEIVED  
JAN 23 2015



-E Backfill  
(Sand, Gravel)  
(Area Approximate)



EGRP Installation

Line	Length (ft)	EGRP Diameter			Linear Feet	Cost
		5"	10"	40"		
A	13	0	0	0	1000	41
B	10	0	0	0	400	16
C	2	0	0	0	400	16
D	2	0	0	0	400	16
E	2	0	0	0	400	16
F	2	0	0	0	400	16
G	2	0	0	0	400	16
H	2	0	0	0	400	16
I	2	0	0	0	400	16
J	2	0	0	0	400	16
Total	38	0	0	0	2400	96

Note: 20' EGRP's and 40' EGRP's knee rest and caps is multiplied by 3 because there are 3 listed together.

LEGEND

- 5' EGRP
- ⊕ 10' EGRP
- ⊕ 20' EGRP
- ⊕ 40' EGRP
- Structure Border
- - - Sewer Line
- Water Line
- Tree
- ⊙ Water Well
- ⊙ Sump Pump
- ▨ Building
- ▨ Backfill
- ▨ Structure
- ▨ Landscaping
- ▨ Open Area

Address: Shelby St. Between W Fort St & W Lafayette Blvd

Drawing Name: Bedrock Tunnel - B

Drawn By: P.N. Scale: 1" = 8' Date: 11/24/2014

Parjang, Inc.

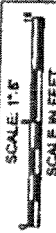
UTILITY NOTE:

All work shall be done in accordance with the utility laws and codes of the state of Missouri. All utility lines shown on this drawing are based on the records of the utility companies. The utility companies shall be contacted for the exact location of the utility lines. The utility companies shall be responsible for the accuracy of the utility lines shown on this drawing. The utility companies shall be responsible for the accuracy of the utility lines shown on this drawing.

NOTE:

Secondary easement as provided utility, utility lines and water ground have no linear radius.

811  
Missouri's  
Call before you dig



offset minimum 42" from known pipelines

**EGRP Installation**

Line	EGRP Boxes (Luminaire)				EGRP	Linear Feet	Cust
	10'	20'	30'	40'			
A	77	0	0	0	13	1653	43
B	50	0	0	0	4	140	0
C	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
F	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0
H	0	0	0	0	0	0	0
I	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0
K	0	0	0	0	0	0	0
L	0	0	0	0	0	0	0
M	0	0	0	0	0	0	0
N	0	0	0	0	0	0	0
O	0	0	0	0	0	0	0
P	0	0	0	0	0	0	0
Q	0	0	0	0	0	0	0
R	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
T	0	0	0	0	0	0	0
U	0	0	0	0	0	0	0
V	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
X	0	0	0	0	0	0	0
Y	0	0	0	0	0	0	0
Z	0	0	0	0	0	0	0
TOTAL	127	0	0	0	17	1793	43

Note: 20' EGRP's and 40' EGRP's linear feet and caps to be multiplied by 3 because there are 3 in each together

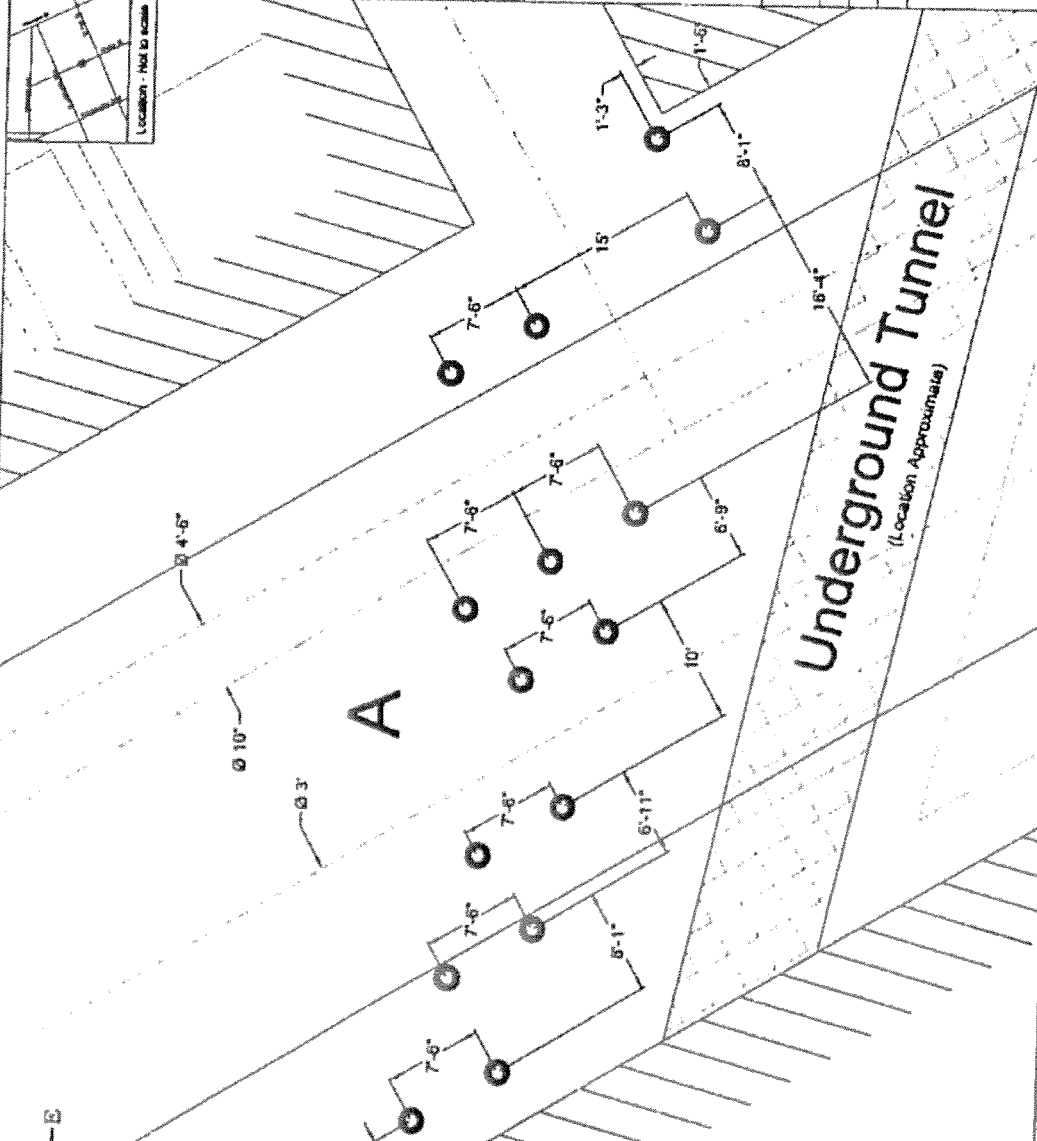
**LEGEND**

- 5' EGRP
- ⊕ 10' EGRP
- ⊕ 20' EGRP
- ⊕ 40' EGRP
- Structure Border
- Sewer Line
- Water Line
- Tree
- ⊕ Water Hole
- ⊕ Sump Pump
- ▨ Building
- ▨ Backfill
- ▨ Structure
- ▨ Landscaping
- ▨ Open Area

Address: Shelby St. Between W Fort St & W Lafayette Blvd  
 Drawing Name: Bedrock Tunnel - A  
 Drawn By: P.N. Scale: 1" = 8' Date: 11/24/2014  
 Parjana, Inc.

**UTILITY NOTE:**  
 All utility locations shown on this drawing are based on information provided by the utility owners. The utility owners are responsible for the accuracy of the information provided. The utility owners are responsible for the accuracy of the information provided. The utility owners are responsible for the accuracy of the information provided.

Note: Accuracy of information is provided unless otherwise noted and shall be subject to field verification.  
  
 Know what's below.  
 Call before you dig.



SCALE: 1" = 8'  
 SCALE IN FEET

offset minimum 42" from known pipelines

# EGRP Installation

Line	Length (ft)	EGRP Section Lengths				Linear Feet	Cape
		5'	10'	20'	40'		
A	77	0	0	0	0	77	0
B	20	0	0	0	0	20	0
C	0	0	0	0	0	0	0
D	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
F	0	0	0	0	0	0	0
G	0	0	0	0	0	0	0
H	0	0	0	0	0	0	0
I	0	0	0	0	0	0	0
J	0	0	0	0	0	0	0
<b>Total</b>						<b>220</b>	<b>0</b>

Note: 20' EGRP's and 40' EGRP's linear feet and caps is multiplied by 3 because there are 3 inlets together.

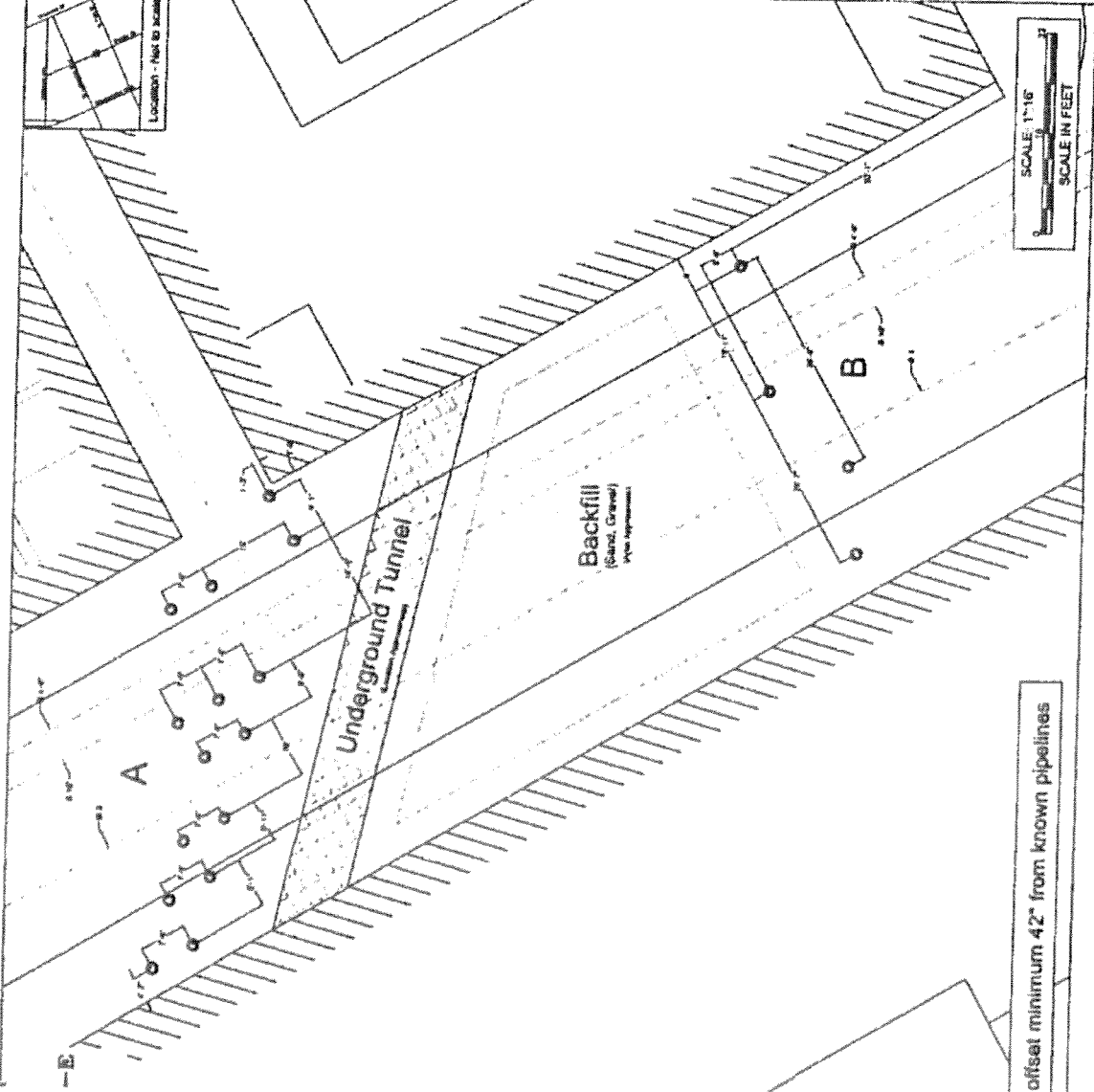
## LEGEND

- 5' EGRP
- 10' EGRP
- ⊕ 20' EGRP
- ⊙ 40' EGRP
- Structure Border
- - - Sewer Line
- Water Line
- ⊕ Tree
- ⊙ Wiser Well
- ⊖ Sump Pump
- ▭ Building
- ▨ Backfill Structure
- ▩ Landscaping
- Open Area

Address: Shelby St. Between W Fort St & W Lafayette Blvd  
 Drawing Name: Bedrock Tunnel - Overview  
 Drawn By: P.N. Scale: 1"=16' Date: 11/24/2014  
 Payjana, Inc.

### UTILITY NOTE:

All other lines, such as water, sanitary sewer and public utility, shall be shown as shown on the drawings. The utility owner shall be responsible for the accuracy of the utility information. The utility owner shall be responsible for the accuracy of the utility information. The utility owner shall be responsible for the accuracy of the utility information.



SCALE: 1"=16"  
 SCALE IN FEET

offset minimum 42" from known pipelines



**PARJANA\***  
& PARJANA Distribution

1274 Library Street, Suite 600, Detroit, MI 48226  
855-Parjana (855.727.5262) Fax: 313.915.5448  
Website: Parjana.com Email: info@parjanadistribution.com

520

January 12, 2015

Honorable Janice M. Winfrey  
Office of the City Clerk, Room 200  
200 Coleman A. Young Municipal Center  
Detroit, MI 48226

Re: Petition to City Council

Your Honor,

Please accept this petition for work to be completed around an underground tunnel located on Shelby Street between West Fort Street and West Lafayette Boulevard. This will require the permission to close this section of Shelby St. to traffic during installation.

**WHO:** Parjana Distribution LLC of Detroit (1274 Library Street, Suite 600, 48226)

**WHAT:** To correct underground water flow issues which are causing water to infiltrate the underground tunnel connecting the Federal Building and the building previously known as the Federal Reserve Building.

**WHERE:** The underground tunnel on Shelby St. between W Fort St. and W Lafayette Blvd.

**WHEN:** Installation needs to take place as soon as possible to allow the Parjana System to acclimate.

**SYNOPSIS:** In order to mitigate the water infiltration problems, Parjana Distribution plans to drill a series of 4-inch diameter holes, at depths of 40 feet, through the street and into the soil surrounding the underground tunnel. Parjana Distribution will be responsible for patching these holes.

Attached are the project plans. For further information or questions pertaining to this project, please feel free to contact us:

Greg McPartlin  
Parjana Distribution  
(855) 727-5262

Thank you in advance for your prompt consideration.

Sincerely,

Greg McPartlin  
Parjana Distribution LLC

## SECTION 1: PRODUCT INFORMATION

### Section 1: Product Information

#### 1.1 TECHNICAL INFORMATION

Name: EGRP® (Energy Passive Groundwater Recharge Product)

Base lengths: 5' (1.524 m), 10' (3.048 m), 20' (6.096 m) & 40' (12.192 m)

Diameter: 1 1/4" (31.75 mm)

Color: Natural Transparent Clear, Colorless

Material: Polyethylene per Parjana®, Inc.'s specifications

Material characteristics:

- Non-reactive with environment
- Excellent corrosion and abrasion resistance
- Working temperature: 20 °F to 180 °F (-29 °C to 82 °C)
- Izod strength rating of 1.5 lbf / in<sup>2</sup> (10.342 N / m<sup>2</sup>)

#### 1.2 PRODUCT DESCRIPTION

The EGRP®, Energy Passive Ground Water Recharge Product is a five chambered tubular extrusion. This product speeds infiltration of surface water into the soil reducing runoff during wet weather conditions and evaporation during dry seasons by distributing water particles horizontally within the layers of the soil. It rebalances nature by mimicking the natural ground in areas where infrastructures have created impervious surfaces that disrupt natural absorption. It may be cut to specified lengths and bundled for high flow requirements. This product is a long term solution, minimally invasive, self-cleaning, maintenance free and does not require an external energy source.