

CIVIL ENGINEERS

LAND SURVEYORS

LAND PLANNERS

June 21, 2017

The Honorable City Council
200 Coleman A. Young Municipal Center
Detroit, Michigan 48226

Attn: Office of the City Clerk

**Re: Flex-N-Gate
Traffic Engineering - City Council Petition Request**

2017 JUN 23 10 00 AM ETD ALLI

The Honorable City Council,

We are writing this letter, in response to a meeting / plan review that occurred on May 22, 2017 with Mr. Sunny Jacobs and Mr. Ahmad Fawaz of the Traffic Engineering Division. During that meeting, it was determined that the geometry of four (4) of the proposed drive approaches for the Flex-N-Gate Project exceed the maximum standards permitted by the City of Detroit. As such, Mr. Jacobs and Mr. Fawaz requested that Flex-N-Gate Petition the City Council to approve this increased geometry. Below is a summary of the proposed conditions, for your consideration:

Huber Road Drive Approach (Truck Entrance)

- Truck traffic is proposed to enter the property, from eastbound Huber Road via the proposed drive approach at the northwest corner of the property. The width of the drive approach will be 47' at the Right-of-Way line, and then taper down to 25' (approximately 60' south of the Right-of-Way line). An 18' radius has been utilized for the western curb, and a 10' radius has been utilized for the eastern curb.
- The abovementioned 47' width at the Right-of-Way line is required to allow trucks adequate room to maneuver onto the property, without impeding oncoming traffic (westbound Huber Road). Additionally, this width provides adequate maneuvering room to avoid conflicts with the existing fire hydrant and utility poles that are located in the vicinity of the approach.
- Please refer to the attached Exhibit A, for details of the drive approach geometry.

NOWAK & FRAUS ENGINEERS

St. Cyril Road Drive Approach - 1 (Employee / Visitor Entrance)

- Employee and visitor traffic is proposed to enter/exit the property via the proposed St. Cyril Road drive approach, located in the northeast corner of the property. The width of the drive approach will be 78' at the Right-of-Way line. This width allows for two (2) employee entrance lanes, one (1) visitor entrance lane, a curbed island containing a guard booth, and two (2) exit lanes (right turn lane and left turn lane) A 30' radius has been utilized for the northern curb, and a 20' radius has been utilized for the southern curb.
- The abovementioned 78' width at the Right-of-Way line is required to allow adequate room for multiple entry and exit lanes. This configuration will lead to improved traffic characteristics by providing sufficient room for employees and visitors to enter and exit without requiring large amounts of vehicle stacking within the St. Cyril Road Right-of-Way. Additionally, the proposed drive approach geometry allows for the consolidation of what would otherwise be multiple drive approaches at various locations, into a single drive approach at one location.
- Please refer to the attached Exhibit B, for details of the drive approach geometry.

St. Cyril Road Drive Approach – 2 (DWSD / Delivery Entrance)

- DWSD has requested a drive approach be installed at the southeast corner of the property, to allow access to the various manholes on the large diameter sewer that is being relocated along the eastern and southern portions of the Flex-N-Gate Property. The width of the drive approach will be 36' at the Right-of-Way line. A 10' radius has been utilized for the northern curb, and a 20' radius has been utilized for the southern curb. The proposed drive approach will also be utilized for periodic deliveries to the site.
- The abovementioned 36' width at the Right-of-Way line is required to allow adequate room for DWSD vehicles (vector truck or tractor-trailer) to maneuver into and out of the property.
- Please refer to the attached Exhibit C, for details of the drive approach geometry.

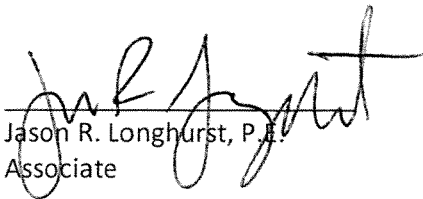
Georgia Road Drive Approach (Truck Entrance)

- Truck traffic is proposed to enter and exit the property, from eastbound Georgia Road via the proposed drive approach at the southwest corner of the property. The width of the drive approach will be 87' at the Right-of-Way line, and then taper down to 50' (at the guard booth). This width allows for two (2) truck entry lanes, a curbed island containing a guard booth, and one (1) truck exit lane. An 40' radius has been utilized for the western curb, and a 60' radius has been utilized for the eastern curb.
- The abovementioned 87' width at the Right-of-Way line is required to allow adequate room for multiple entry and exit lanes. This configuration will lead to improved traffic characteristics by providing sufficient room for multiple trucks to enter and exit the property without requiring large amounts of truck stacking within the Georgia Road Right-of-Way.

- Please refer to the attached Exhibit D, for details of the drive approach geometry.

We appreciate your consideration of this Petition Request. Please feel free to contact us at (248) 332-7931 should you have any additional questions or comments.

Sincerely,



Jason R. Longhurst, P.E.
Associate

cc: Scott Kennedy, FNG
Mark Woloszyk, IBI
Ryan Beaudrie, Walsh
Sunny Jacobs, Traffic Engineering
Ahmad Fawaz, Traffic Engineering

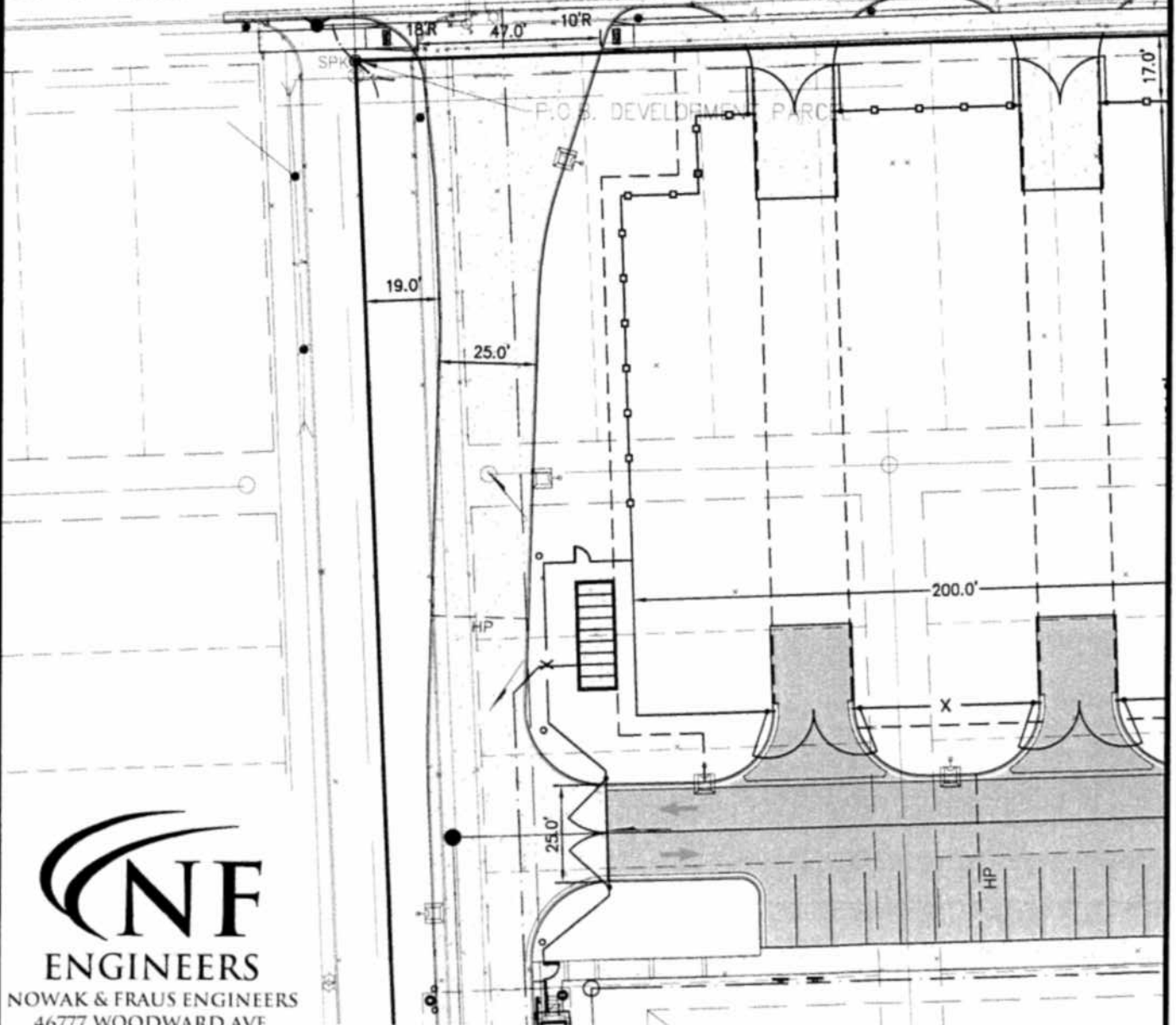


Exhibit A

HUBER ROAD DRIVE APPROACH

HUBER ROAD (66 FEET WIDE)

8.0" W 33.001'



NF ENGINEERS
NOWAK & FRAUS ENGINEERS
46777 WOODWARD AVE.
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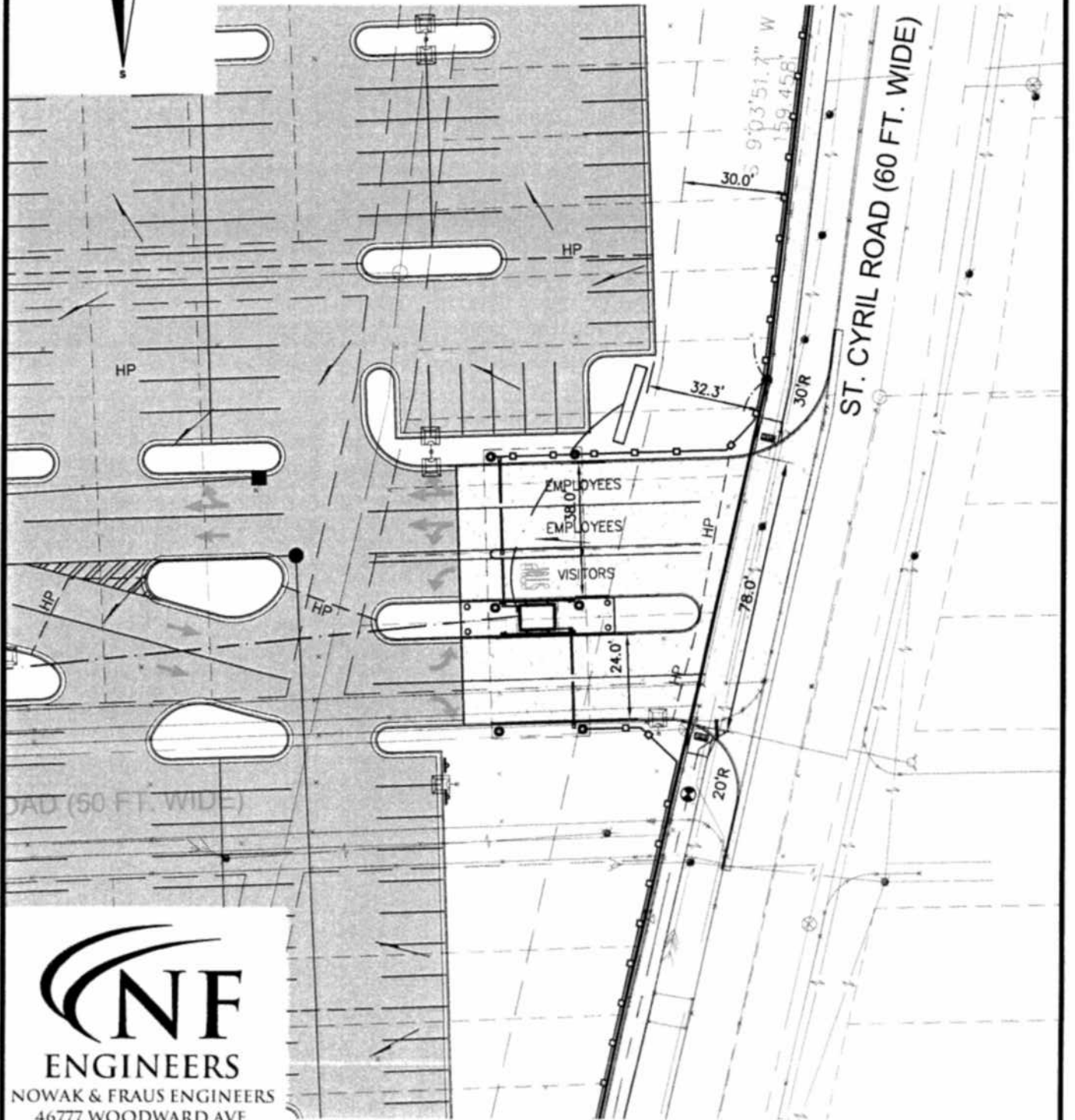
PREPARED FOR:
FLEX-N-GATE

SCALE	DATE	DRAWN	JOB NO.	SHEET
1" = 40'	06-21-17	J.R.L.	1325-09	1 of 4



Exhibit B

ST. CYRIL ROAD DRIVE APPROACH - 1



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PREPARED FOR:
FLEX-N-GATE

SCALE
1" = 40'

DATE
06-21-17

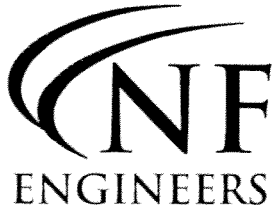
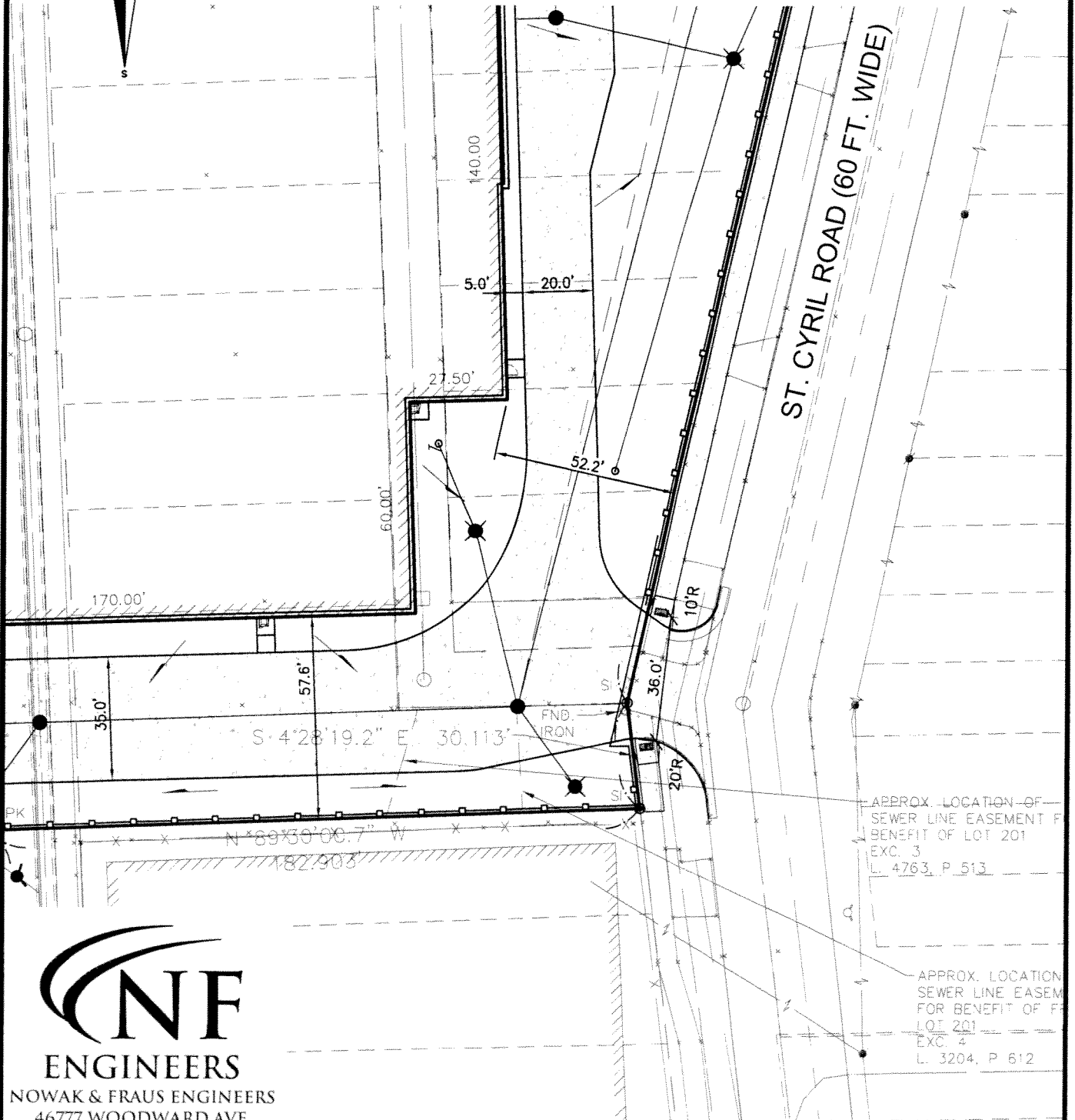
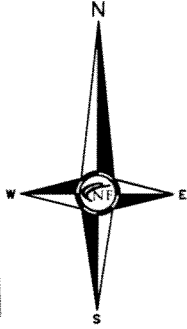
DRAWN
J.R.L.

JOB NO.
1325-09

SHEET
2 of 4

Exhibit C

ST. CYRIL ROAD DRIVE APPROACH - 2



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PREPARED FOR:
 FLEX-N-GATE

SCALE
 1" = 40'

DATE
 06-21-17

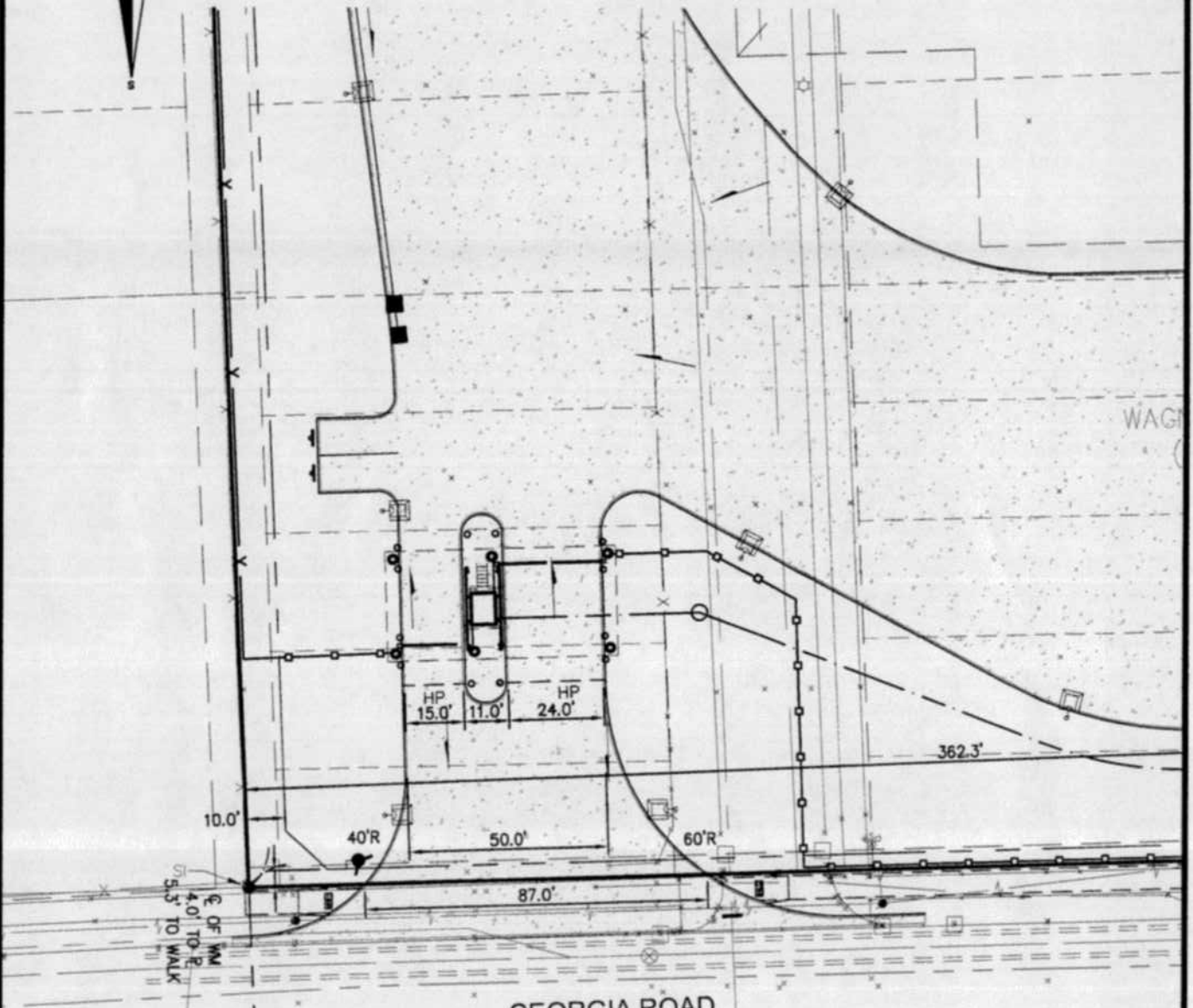
DRAWN
 J.R.L.

JOB NO.
 1325-09

SHEET
 3 of 4

Exhibit D

GEORGIA ROAD DRIVE APPROACH



GEORGIA ROAD



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PREPARED FOR:
 FLEX-N-GATE

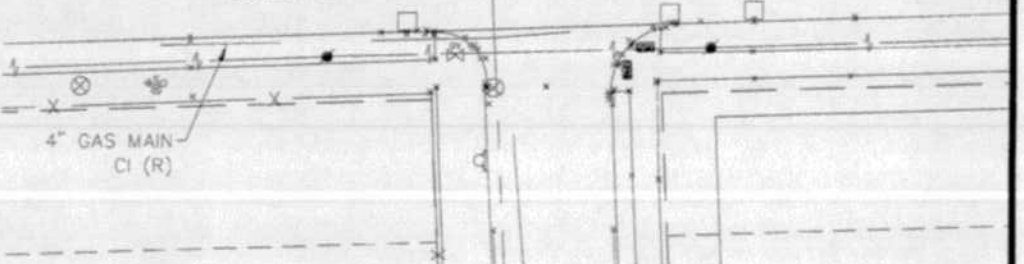
SCALE
 1" = 40'

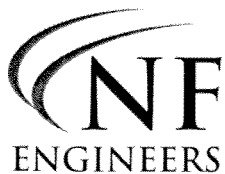
DATE
 06-21-17

DRAWN
 J.R.L.

JOB NO.
 1325-09

SHEET
 4 of 4





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TRANSMITTAL

TO: Office of the City Clerk
FROM: Jason R. Longhurst, P.E.
Associate
COMPANY: The Honorable City Council
200 Coleman A. Young Municipal
Center
Detroit, MI 48226
DATE: 6/21/17
PHONE NO.: 313-267-8000

REGARDING: Flex-N-Gate - City Council Petition Request
NOWAK & FRAUS JOB #: I325-09

ENCLOSED YOU WILL FIND THE FOLLOWING:

One (1) City Council Petition Request letter, including four (4) lettered exhibits

SENT VIA:

- | | |
|--|---|
| <input type="checkbox"/> U.S. MAIL | <input type="checkbox"/> INTEROFFICE MAIL |
| <input type="checkbox"/> FEDERAL EXPRESS | <input type="checkbox"/> HAND DELIVERY |
| <input type="checkbox"/> UNITED PARCEL SERVICE | <input type="checkbox"/> CLIENT PICK UP |
| <input type="checkbox"/> FAX | |

FAX NUMBER: _____

PAGES - INCLUDING COVER: _____

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46777 WOODWARD AVENUE
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