



City of Detroit  
Inter-Departmental Communication

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**TO:** Richard Doherty, City Engineer  
City Engineering/Department of Public Works

**FROM:** Debra Singleton, Engineer  
Detroit Water and Sewerage Department

**DATE:** March 16, 2018

**RE:** Petition No. 1846  
Requested Encroachment Into West Grand Blvd. At 2746 West Grand Blvd. (With Elevated Pedestrian Walkway)

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We have reviewed the above Petition received by this office. Our records indicate there are water mains and sewers in the area of encroachment. With regard to DWSD's interests, our comments are as follows:

- DWSD requires a minimum of 18 feet clearance from the highest point of the surface to the bottom of bridge.
- Our records show there is a 24" water main is located approx. 69' S. of N. ROW line of Grand Blvd. Also, a 15"x20" sewer is located near the centerline of Grand Blvd. approx. 10' to 11' below ground which was built in 1885. DWSD needs information on the method of construction of bridge footings to avoid impact on DWSD utilities. And due to the age of the sewer we may require the installation of a vibration monitoring meter or line the segment of sewer between the two MHs under the proposed bridge, this can be determined later based on additional information.
- DWSD has no objections to the requested encroachments provided that our comments and the attached Provisions for Encroachment are strictly followed.

If you have any questions, please call me at (313) 267-8309 or Mohammed Fa Siddique at (313)-964-9245.

Sincerely,

Debra Singleton  
Engineer  
Permits

DS/MS/gl

Attachments  
CC: Mohamad Farhat, CSF

Michael Duggan, Mayor

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

**NOTICE OF PROPOSED CHANGE IN PROPERTY**

Date: 01/31/2018

Petition: x1846

- |  |  |
|--|--|
| <input type="checkbox"/> AT&T Telecommunication            | <input type="checkbox"/> Berm Use                |
| <input type="checkbox"/> Comcast Television (CATV)         | <input type="checkbox"/> Conversion to Easement  |
| <input type="checkbox"/> Detroit Edison (DTE)              | <input type="checkbox"/> Dedication              |
| <input type="checkbox"/> Fire Department                   | <input checked="" type="checkbox"/> Encroachment |
| <input type="checkbox"/> Great Lakes Water Authority       | <input type="checkbox"/> Outright Vacation       |
| <input type="checkbox"/> Land Bank Authority               | <input type="checkbox"/> Temporary Closing       |
| <input type="checkbox"/> Michcon (DTE)                     |  |
| <input type="checkbox"/> Planning & Development Department |  |
| <input type="checkbox"/> Public Lighting Authority         |  |
| <input type="checkbox"/> Public Lighting Department        |  |
| <input type="checkbox"/> Police Department                 |  |
| <input type="checkbox"/> Solid Waste Division, DPW         |  |
| <input type="checkbox"/> Street Design Bureau, DPW         |  |
| <input type="checkbox"/> Street Maintenance Division, DPW  |  |
| <input type="checkbox"/> Traffic Engineering Division, DPW |  |
| <input type="checkbox"/> Water and Sewerage Department     |  |
| <input type="checkbox"/> _____                             |  |

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 within two weeks of the submittal date. Retain one copy and print for you file.

Ron Brundidge, Director, Department of Public Works

By: Richard Doherty, CED DPW  
City Engineer

**TO: City Engineering Division, DPW  
2 Woodward Ave., Suite 642  
Detroit, Michigan 48226-3462  
Survey Bureau: 313-224-3970**

**Petition: x1846**

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; objection 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:

\_\_\_\_\_  
(Utility or City Department)

\_\_\_\_\_  
By

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Area code – Telephone number

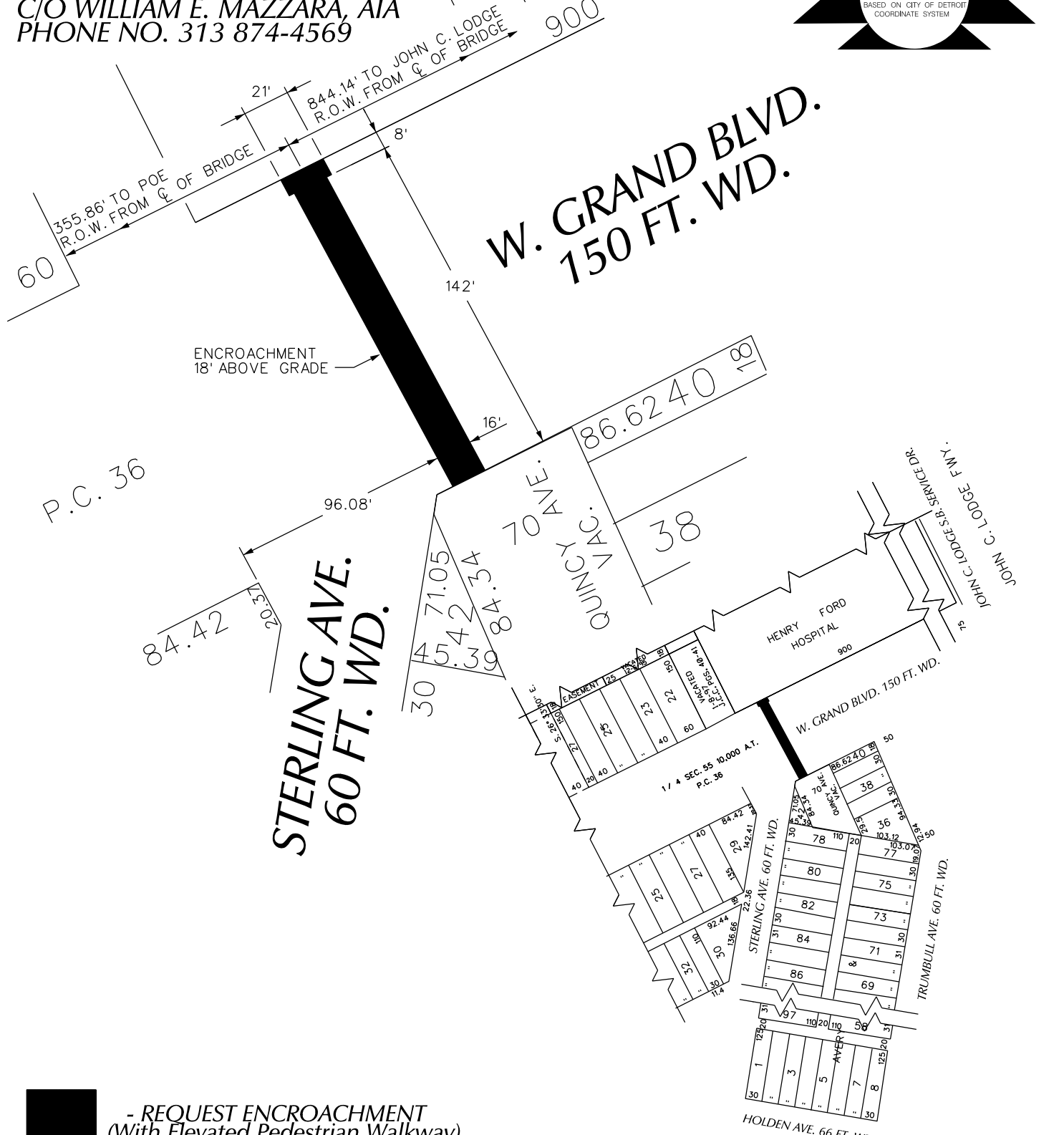
PETITION NO. 1846  
 HENRY FORD HEALTH SYSTEM  
 1 FORD PLACE, 4A  
 DETROIT, MICHIGAN 48202  
 C/O WILLIAM E. MAZZARA, AIA  
 PHONE NO. 313 874-4569



HENRY FORD  
 HOSPITAL

W. GRAND BLVD.  
 150 FT. WD.

STERLING AVE.  
 60 FT. WD.



**■** - REQUEST ENCROACHMENT  
 (With Elevated Pedestrian Walkway)

(FOR OFFICE USE ONLY)

CARTO 31 C & D

B					
A					
DESCRIPTION		DRWN	CHKD	APPD	DATE
REVISIONS					
DRAWN BY	WLW	CHECKED			
DATE	01-31-18	APPROVED			

REQUEST ENCROACHMENT  
 INTO W. GRAND BLVD.  
 AT 2746 W. GRAND BLVD.  
 (With Elevated Pedestrian Walkway)

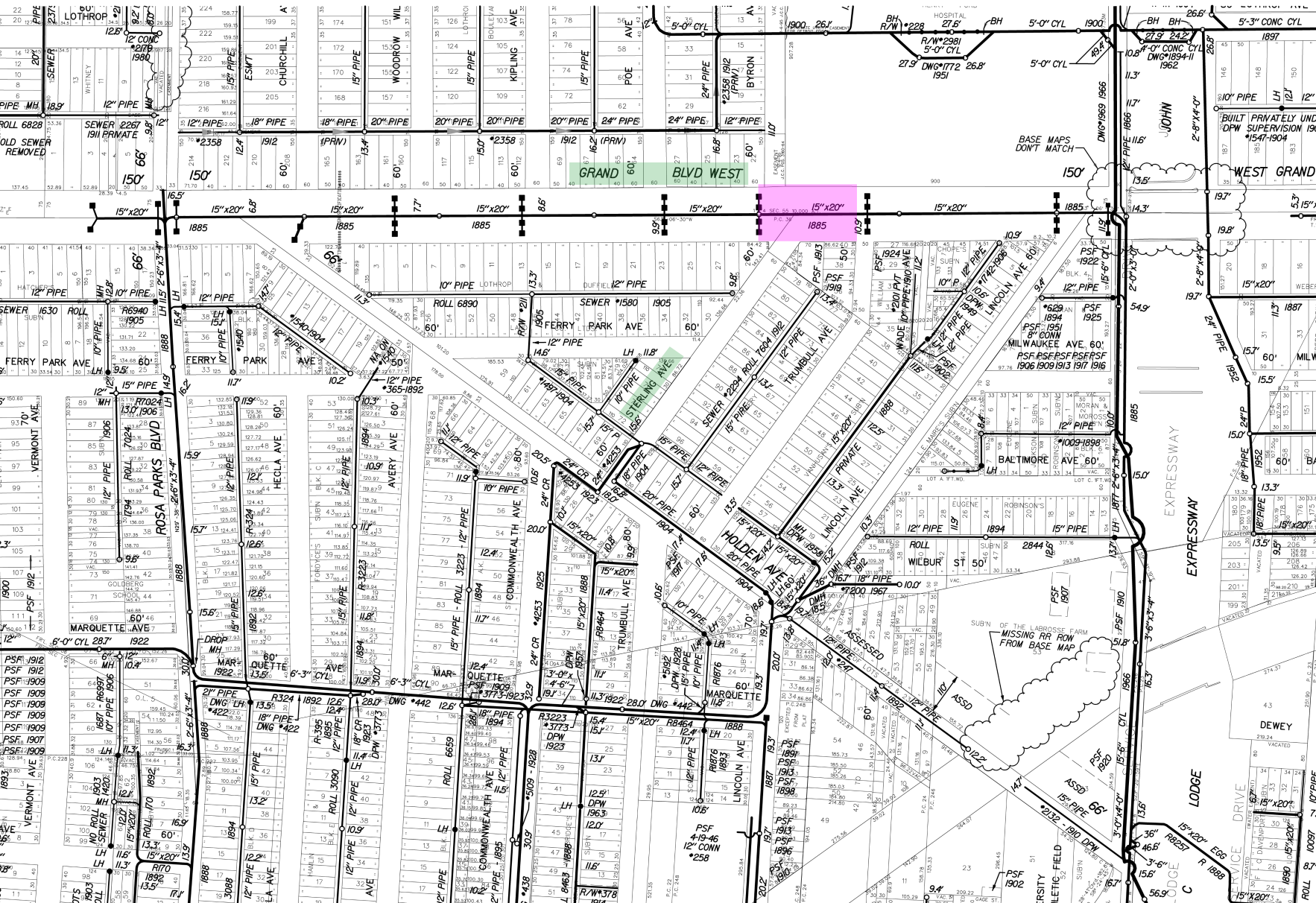
CITY OF DETROIT  
 CITY ENGINEERING DEPARTMENT  
 SURVEY BUREAU  
 JOB NO. 01-01  
 DRWG. NO. X 1846

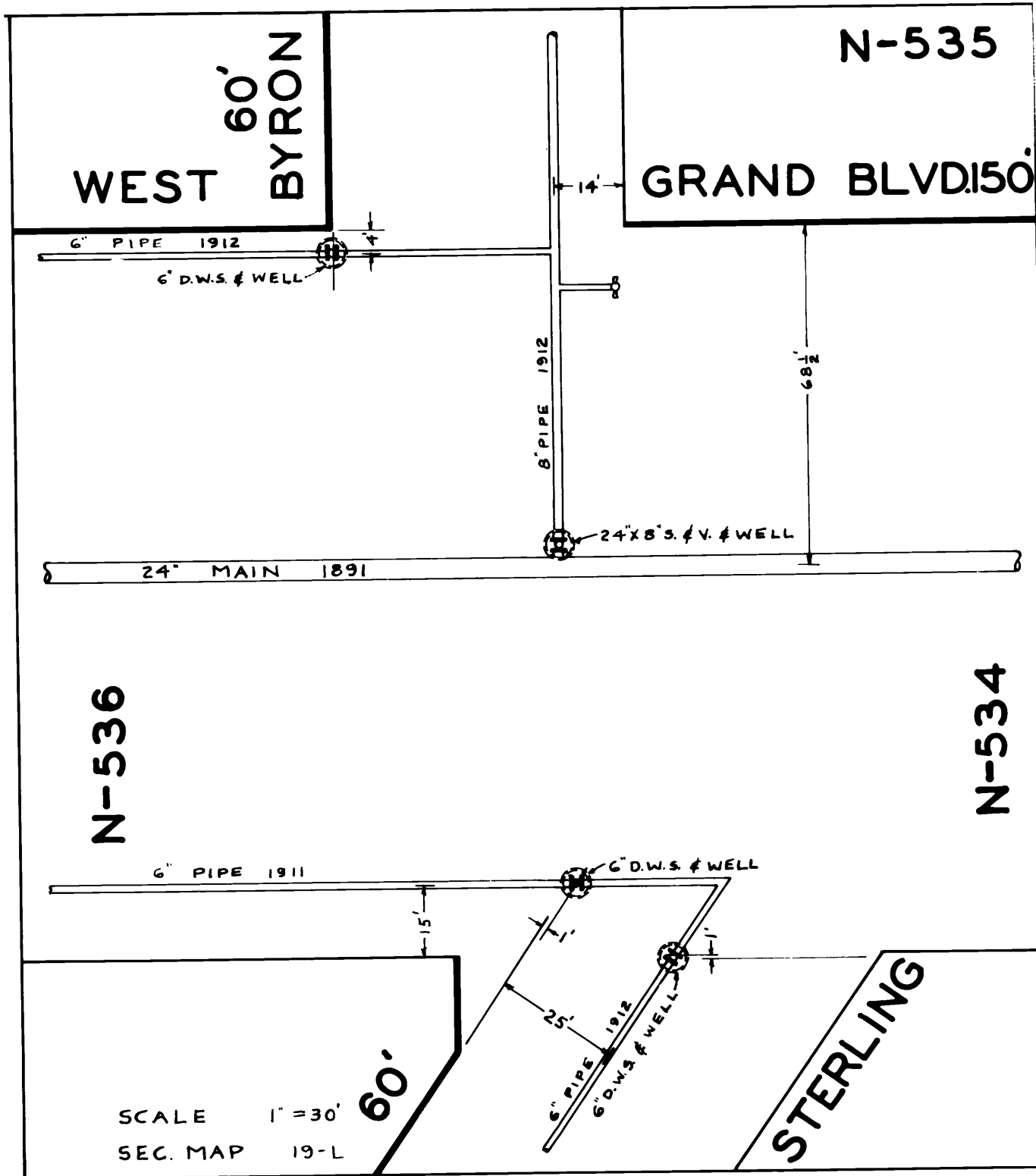
## **PROVISIONS FOR ENCROACHMENT For Petition 1846**

Detroit Water and Sewerage (DWSD) agree to the proposed encroachment subject to the fulfilling of the following provisions:

1. By approval of this petition the (DWSD) does not waive any of its rights to its facilities located in the right of way, and at all time, DWSD, its agents or employees, shall have the right to enter upon the right of way to maintain, repair, alter, service, inspect, or install its facilities. All costs 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 caused by the encroachment shall be borne by the petitioner. All costs associated with gaining access to DWSD's facilities, which could normally be expected had the petitioner not encroached into the right of way shall be borne by DWSD.
2. DWSD requires a vertical clearance of 18 feet above grade for maintenance excess and repair.
3. 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 the MISS DIG one call system.
4. 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.
5. If DWSD facilities located within the right of way shall break or be damaged as the result of any action on the part of the petitioner, then in such event the petitioner agrees to be liable for all costs incident to the repair, replacement or relocation of such broken or damaged DWSD facilities.
6. The petitioner shall hold DWSD harmless for any damage to the encroaching device constructed or installed under this petition, which may be caused by the failure of DWSD's facilities.







SCALE 1" = 30'  
 SEC. MAP 19-L





Facility Design and Construction  
1 Ford Place, 4A  
Detroit, MI 48202-3450  
(313)-874-5432 Office  
(313)-874-4035 Fax

November 20, 2017

Ms. Janice M. Winfrey  
City of Detroit, City Clerk  
1340 Coleman A. Young Municipal Center  
Two Woodward Avenue, Suite 200  
Detroit, Michigan 48226

Re: PETITION – Encroachment of Elevated Pedestrian Walkway

From: Henry Ford Health System

Dear Ms. Winfrey:

Henry Ford Health System (HFHS), is hereby submitting this petition for your approval of street right-of-way encroachments for the Elevated Pedestrian Walkway that will connect the existing Henry Ford Hospital to the new Henry Ford Cancer Project (recently named the Brigitte Harris Cancer Pavilion) over West Grand Boulevard. HFHS is proposing the pedestrian bridge for the safety and convenience of patients, staff and visitors to both facilities.

The current legal land use of the proposed Cancer Project site is Vacant Land. The property is zoned B5 (Major Business) Zoning District. The proposed uses of the Cancer Project include Office, Parking and ground floor commercial space, which are by-right uses per Sections 61-9-95(10), 61-9-96(24) and 61-9-96(26) of the Zoning Ordinance.

The Henry Ford Cancer Project site plan was approved on March 29, 2017 and meets the site plan requirements of Section 61-3-151 of the Detroit Zoning Ordinance.

HFHS hereby requests the following right-of-way encroachments in connection with the proposed Elevated Pedestrian Walkway:

**WEST GRAND BOULEVARD**

1. HFHS hereby requests a 16' wide x 19' high encroachment approximately 18' above West Grand Boulevard into the right-of-way across West Grand Boulevard between West Milwaukee Ave. and Lincoln Street (between where Sterling Street and Trumbull Ave. previously connected with W. Grand Blvd). Refer to attached Site Plan and cross section Exhibit A.
2. HFHS hereby requests a 16' wide x 9'-6" deep encroachment into the right-of-way on the South side of West Grand Boulevard between West Milwaukee Ave. and Lincoln Street for the structural support of the elevated pedestrian walkway. The proposed distance from the back of curb to structural support is 10'-0". Refer to attached Site Plan and cross section Exhibit A.
3. HFHS hereby requests a 16' wide x 8'-0" deep encroachment into the right-of-way on the North side of West Grand Boulevard between West Milwaukee Ave. and Lincoln Street for the structural support of the Elevated Pedestrian Walkway. The proposed distance from the back of curb to structural support is 12'-0". Refer to attached Site Plan and cross section Exhibit A.

The proposed Elevated Pedestrian Walkway exceeds the Detroit Fire Department, Fire Marshall Division minimum required vertical clearance of 13'-6" for the proposed Elevated Pedestrian Walkway. Refer to attached Site Plan and cross section Exhibit A.

Henry Ford Health System understands the proposed support structures located in the public right-of-way (West Grand Boulevard) will require a maintenance agreement and permit by the Department of Public Works, City Engineering Division along with encroachment approval from Detroit City Council.

Henry Ford will enter into an Indemnity Agreement with the City of Detroit with the City's standard form.

We are hereby submitting this petition requesting your approval of the street right of way encroachment. Thank you for your assistance on this matter.

Sincerely,



Thank you  
William E. Mazzara, AIA  
Director, Facilities, Design and Construction

Office: 313-874-4569  
Cell: 313-363-6697  
Fax: 313-874-4035

CC:

City of Detroit

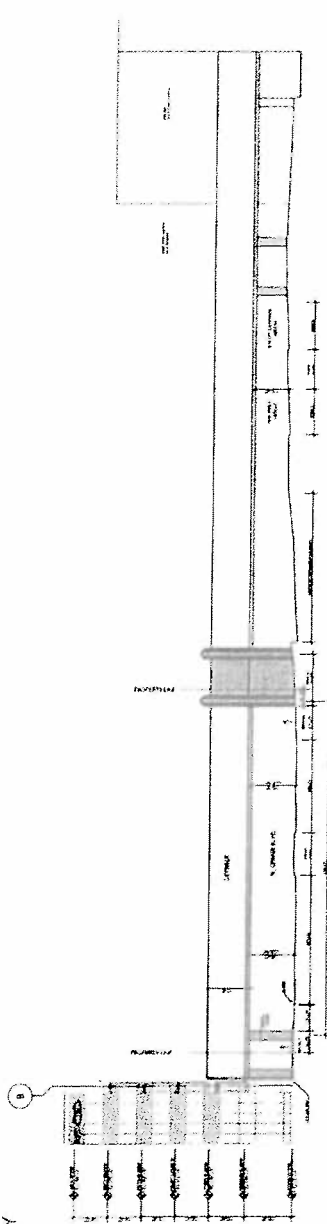
James Foster, Manager, Buildings, Safety Engineering  
Matthew Walters, Executive Manager of Development

SmithGroup JJR

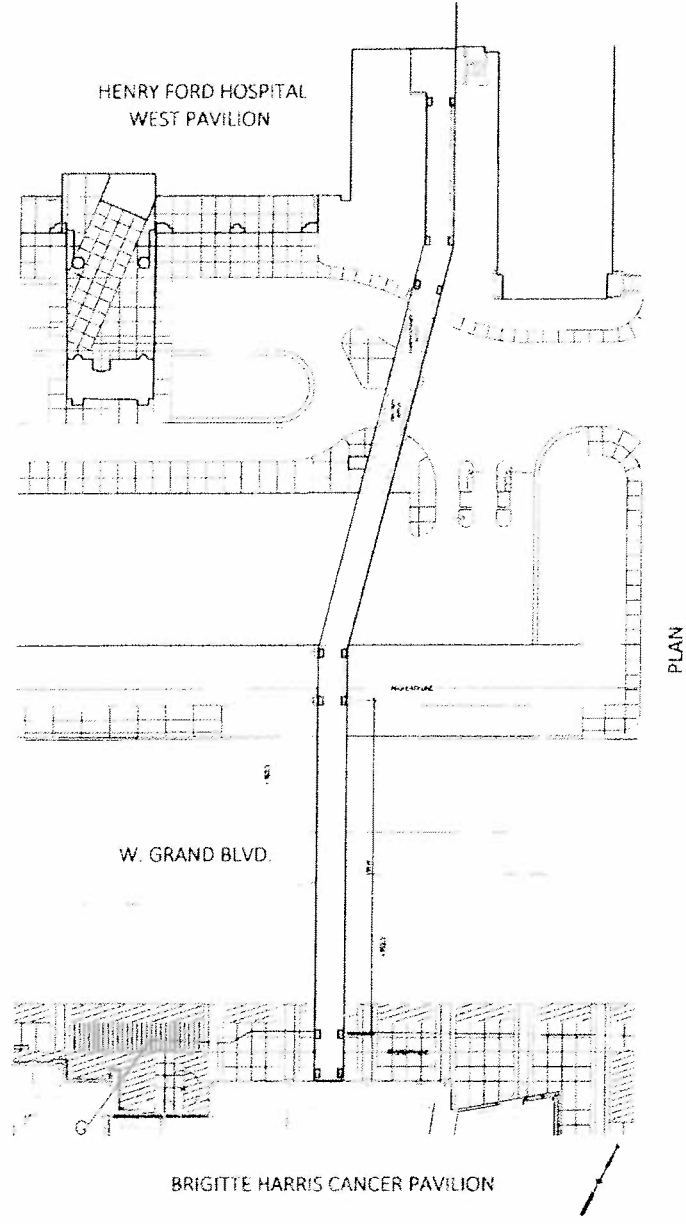
Anne Belleau Mills  
Ed Pocock

HENRY FORD CANCER PROJECT  
ELEVATED PEDESTRIAN WALKWAY  
EXHIBIT A

11/15/2017



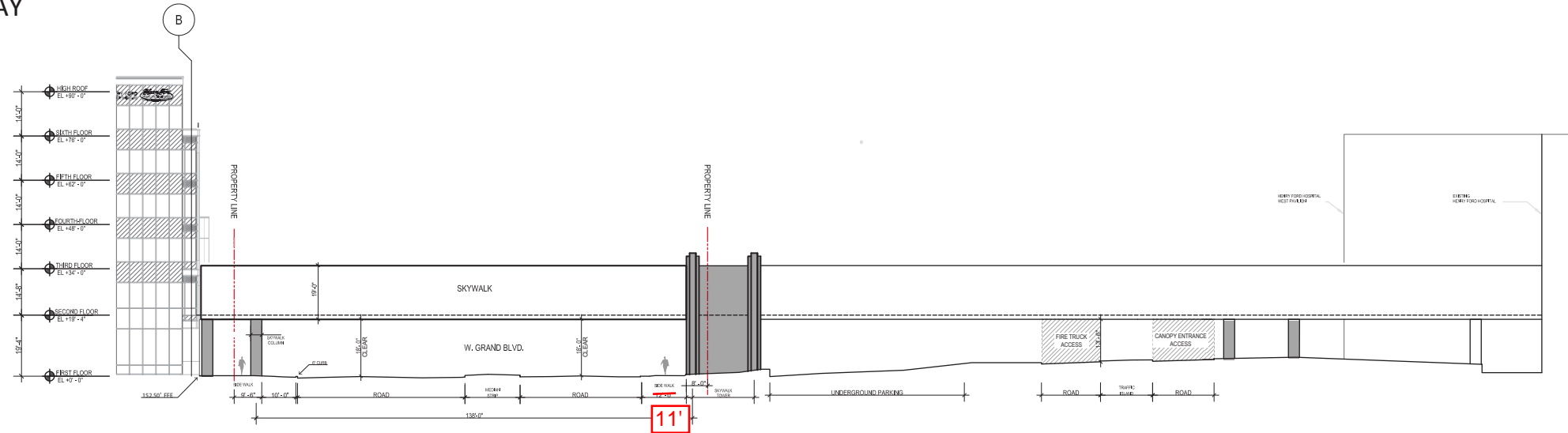
EAST ELEVATION



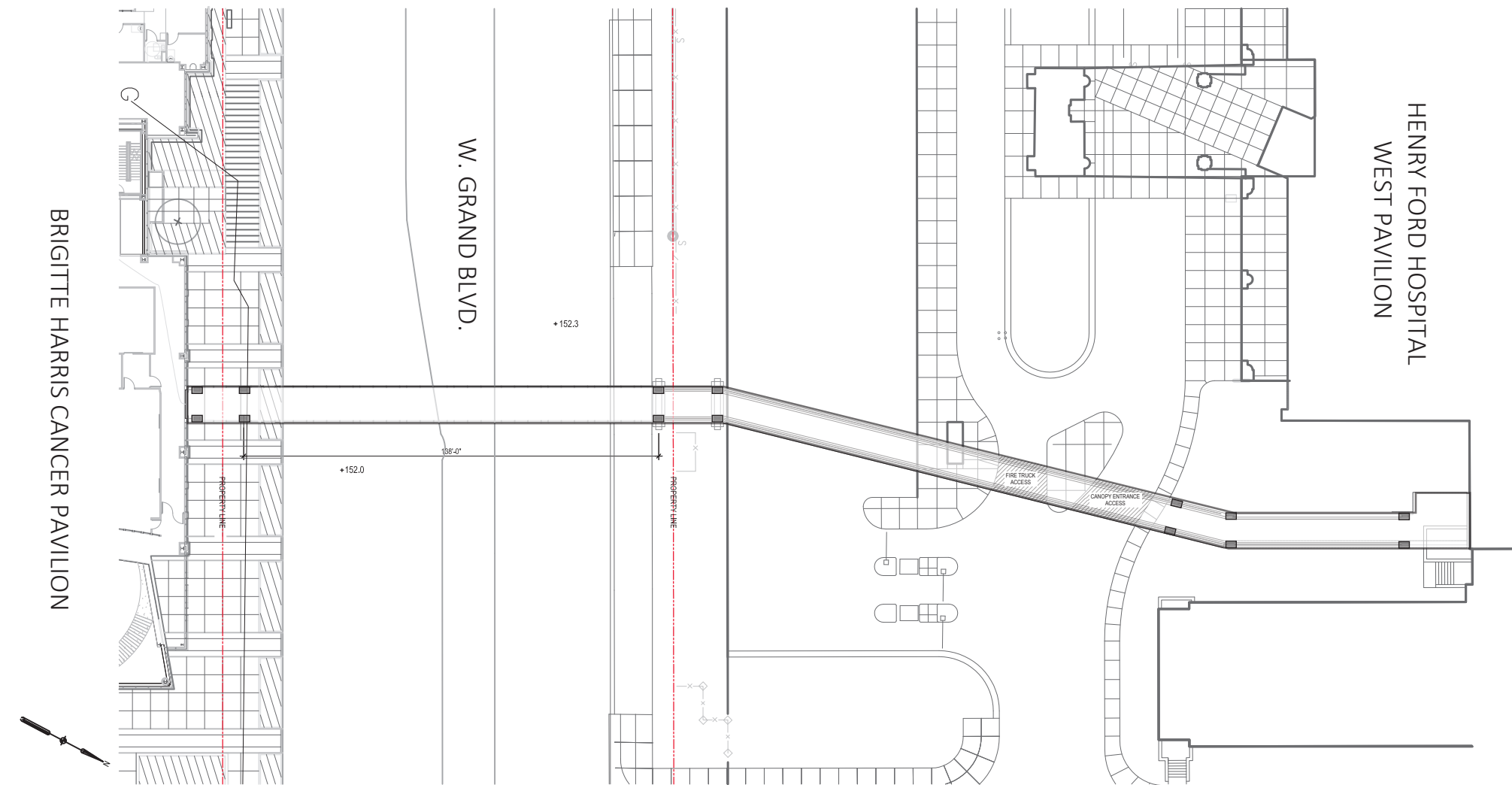
PLAN

SMITHGROUP JJR

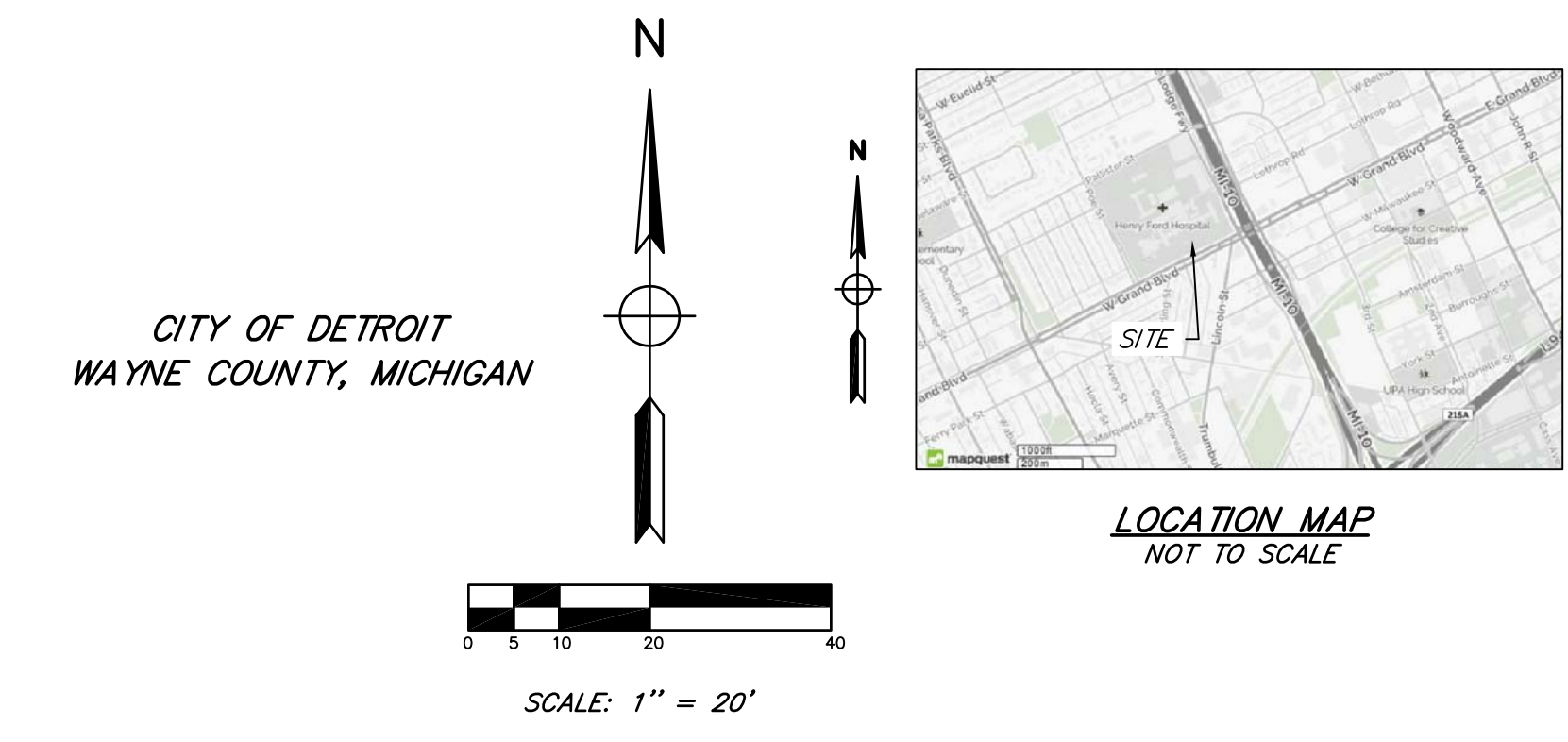
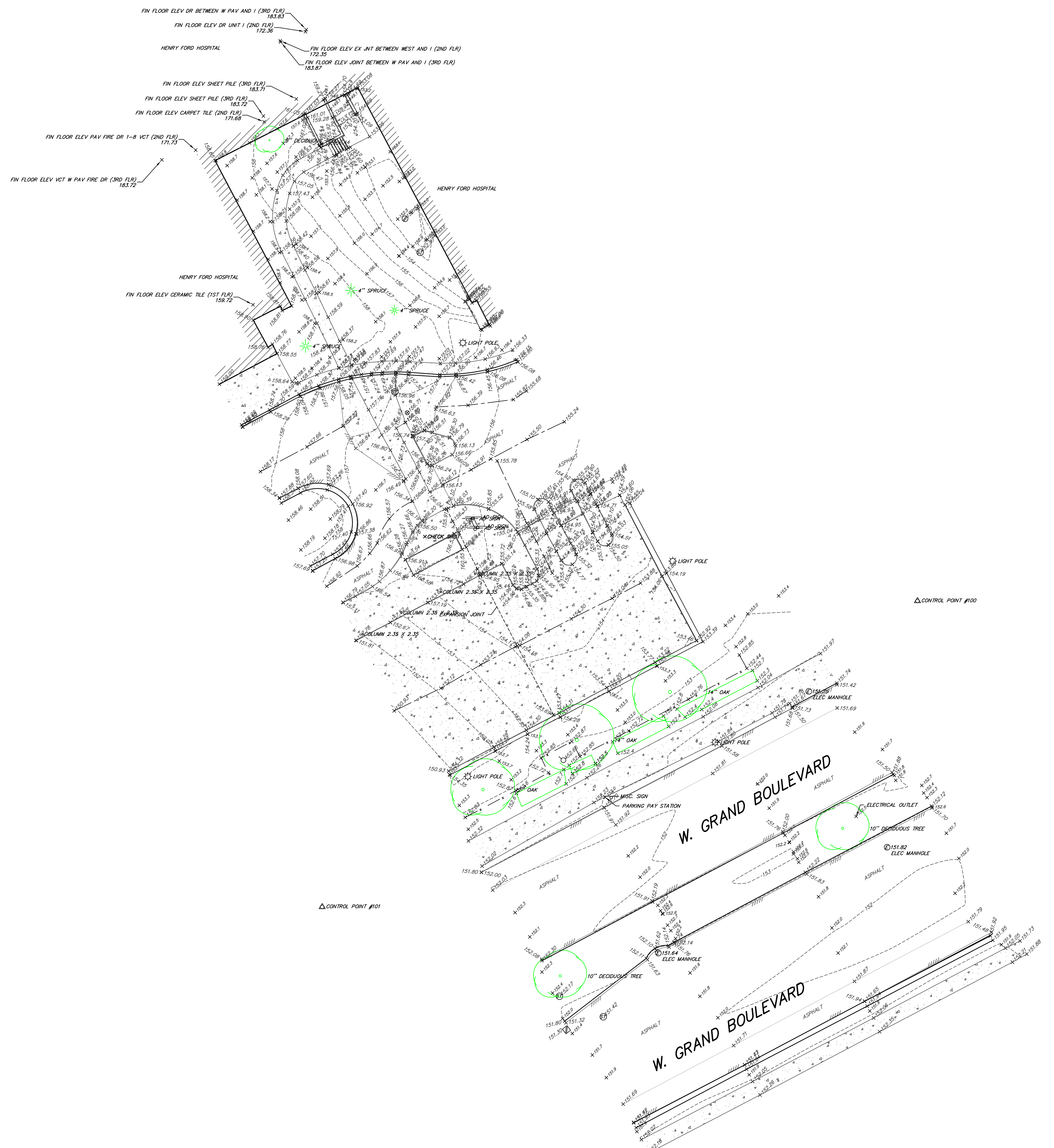




EAST ELEVATION



PLAN



**LEGEND**

○ - MANHOLE	✱ - PINE
⊙ - CATCHBASIN	⊙ - BUSH
⊠ - CURB CATCHBASIN	⊙ - TREE
⊕ - FIRE HYDRANT	⊠ - TELEPHONE PEDESTAL
⊕ - WATER VALVE	⊙ - FOUND SURVEY CORNER
⊕ - GAS VALVE	⊙ - SET 3/4" IRON PIPE
⊙ - TELEPHONE POLE	⊙ - SET P.K. NAIL
● - POWER POLE	⊙ - GUY ANCHOR AND POLE
⊙ - POWER AND TELEPHONE POLE	N.F.L. - NOT FIELD LOCATED
⊙ - LIGHT POLE	⊙ - CABLE TV PEDESTAL
⊙ - MAIL BOX	⊙ - ANTENNA
⊙ - SIGN	⊙ - SATellite DISH
⊙ - FENCE	⊙ - AIR CONDITIONING UNIT
⊙ - SPRINKLER	⊙ - SOIL BORING
⊙ - RAILROAD SIGNAL	⊙ - ELECTRICAL PEDESTAL
⊙ - TRANSFORMER	⊙ - BURIED CABLE LINES
⊙ - BARRIER FREE PARKING	⊙ - BURIED ELECTRIC LINES
⊙ - BITUMINOUS SURFACE	⊙ - GASMANS
⊙ - CONCRETE SURFACE	⊙ - SANITARY SEWER LINES
⊙ - CONCRETE CURB	⊙ - STORM SEWER LINES
⊙ - FENCE LINE	⊙ - TELEPHONE LINES
⊙ - OVERHEAD POWER LINES	⊙ - WATERMANS
⊙ - TREE LINE	
⊙ - STUMP	

**BENCHMARKS**

BM #1 - ARROW ON HYDRANT AT 2702 WEST GRAND BOULEVARD.  
ELEV. 154.58 (CITY OF DETROIT DATUM)

BM #2 - ARROW ON HYDRANT IN THE MEDIAN OF WEST GRAND BOULEVARD, NORTH OF TRUMBLE AVENUE.  
ELEV. 154.78 (CITY OF DETROIT DATUM)

**CONTROL POINTS**

CP 100  
CHISELED "+", NORTH OF GRAND BLVD AT MAIN ENTRANCE BETWEEN DRIVES, 0.8'+/- NORTH OF SIDEWALK.  
N=318306.48  
E=13469787.90  
ELEV=151.80 (CITY OF DETROIT DATUM)

CP 101  
ROD AND SPICER CAP, 250'+/- WEST OF MAIN DRIVE ENTRANCE NORTH SIDE OF GRAND BLVD, 3.5'+/- NORTH OF SIDEWALK OPPOSITE CENTERLINE ENTRANCE OF WEST ENTRANCE.  
N=318191.10  
E=13469563.34  
ELEV=152.63 (CITY OF DETROIT DATUM)

CP 102  
ROD AND SPICER CAP, 235'+/- EAST OF MAIN DRIVE ENTRANCE NORTH SIDE GRAND BLVD, 2' NORTH OF SIDEWALK OPPOSITE CENTERLINE MAIN ENTRANCE TO HOSPITAL.  
N=318417.50  
E=13469995.62  
ELEV=152.36 (CITY OF DETROIT DATUM)

PREPARED BY:  
JEFFREY E. WOOD  
PROFESSIONAL SURVEYOR NO. 41115  
230 S. WASHINGTON AVENUE  
SAGINAW, MICHIGAN 48607  
TEL. 989-254-4717  
DRAWN BY: J. THERING  
DATE: DECEMBER 30, 2016  
JOB NUMBER: 1242175G2016

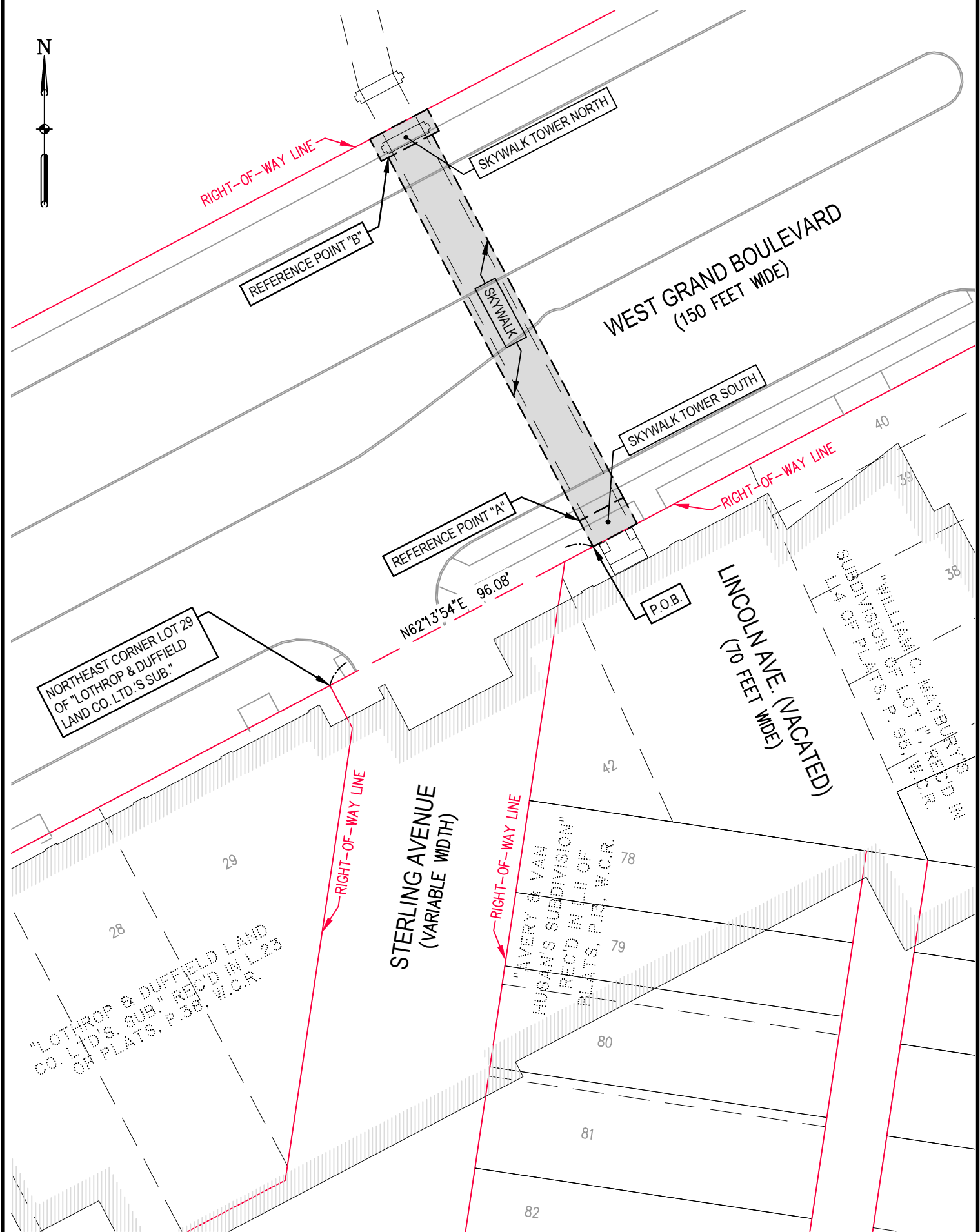
TOPOGRAPHIC SURVEY FOR:  
**HENRY FORD HEALTH SYSTEMS**  
c/o TUNER CONSTRUCTION  
535 GRISWOLD STREET, SUITE 535  
DETROIT, MI 48226

TOPOGRAPHIC SURVEY OF:  
**PROPOSED PEDESTRIAN BRIDGE ROUTE**  
PART OF 1/4 SECTION 55 OF  
TEN THOUSAND ACRE TRACT IN T.1 S. - R.11 E.,  
CITY OF DETROIT  
WAYNE COUNTY, MICHIGAN



# PEDESTRIAN BRIDGE ENCROACHMENT EXHIBIT

BEING PART OF FRACTIONAL SECTION 36, TOWN 1 SOUTH, RANGE 11 EAST, AND PART OF QUARTER SECTION 55 OF THE 10,000 ACRE TRACT RECORDED IN LIBER 6 OF DEEDS, PAGE 189, CITY OF DETROIT, WAYNE COUNTY, MICHIGAN



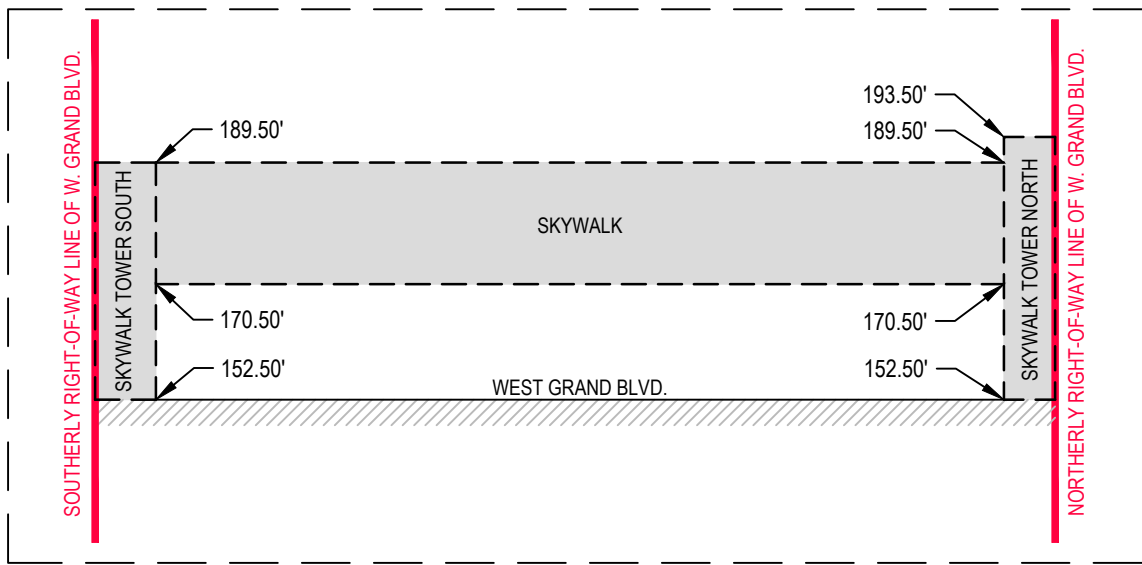
**NOTES:**

- SEE SHEET 2 FOR DETAILS & LINE TABLE
- SEE SHEET 3 FOR LEGAL DESCRIPTIONS

<b>CLIENT</b>	<b>HENRY FORD HEALTH SYSTEMS</b>		
PEDESTRIAN BRIDGE ENCROACHMENT EXHIBIT			
<b>SMITHGROUP JJR</b>	JOB NO.	21283	PAGE 1 OF 3
	DRAWN: CO	REVIEW: CAL	DATE 11/29/2017
	201 DEPOT STREET SECOND FLOOR ANN ARBOR, MI 48104		
	734.662.4457 www.smithgroupj jr.com		

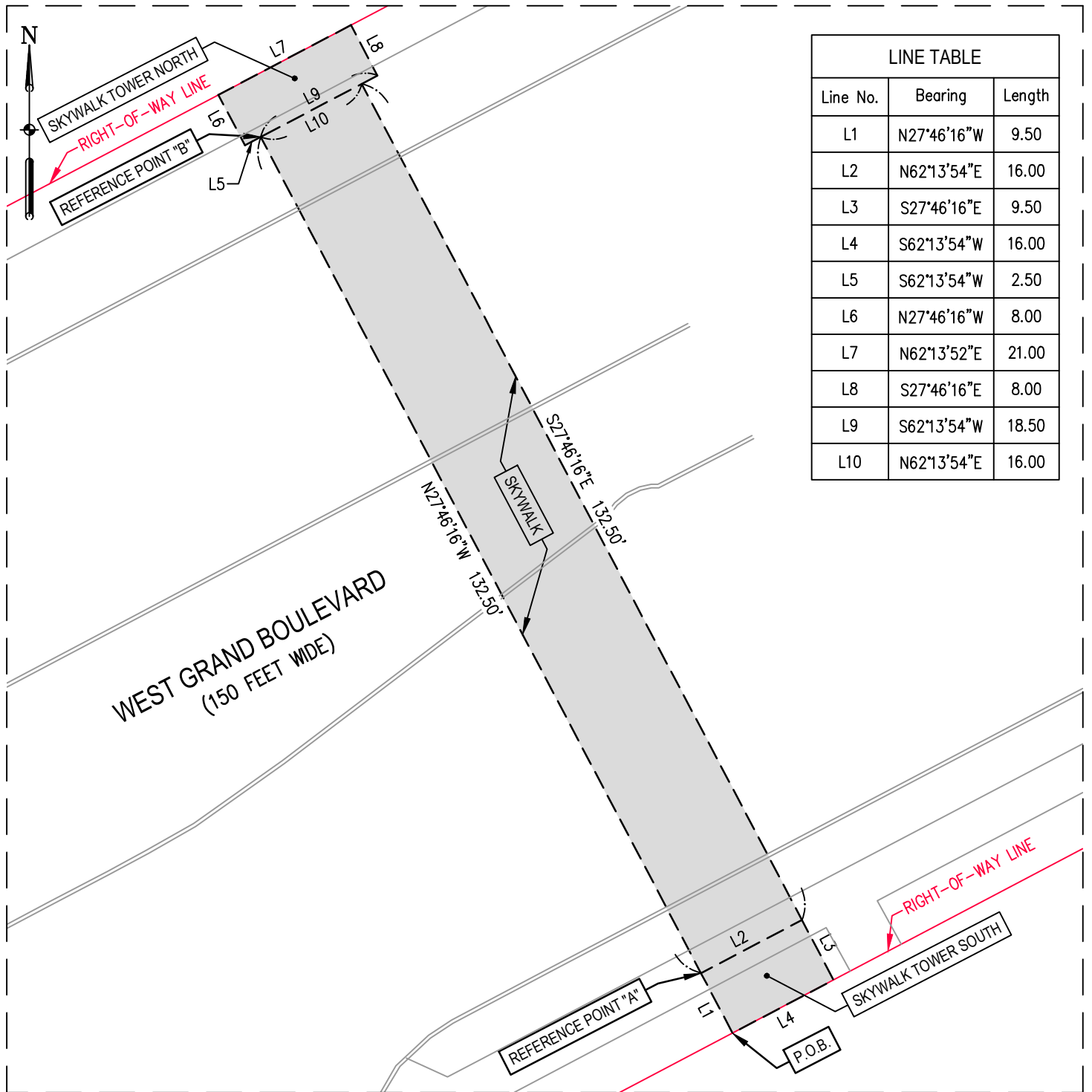
LEGEND	
W.C.R.	WAYNE COUNTY RECORDS
P.O.B.	POINT OF BEGINNING
L2	CURVE SEGMENT ANNOTATION
	PROPOSED ENCROACHMENT





**PEDESTRIAN BRIDGE ENCROACHMENT EXHIBIT - PROFILE**

ELEVATIONS EXPRESSED ON CITY OF DETROIT VERTICAL DATUM  
SCALE: 1"=30'



LINE TABLE		
Line No.	Bearing	Length
L1	N27°46'16"W	9.50
L2	N62°13'54"E	16.00
L3	S27°46'16"E	9.50
L4	S62°13'54"W	16.00
L5	S62°13'54"W	2.50
L6	N27°46'16"W	8.00
L7	N62°13'52"E	21.00
L8	S27°46'16"E	8.00
L9	S62°13'54"W	18.50
L10	N62°13'54"E	16.00

**PEDESTRIAN BRIDGE ENCROACHMENT EXHIBIT - DETAIL**

**NOTES:**

- SEE SHEET 1 FOR OVERALL VIEW
- SEE SHEET 3 FOR LEGAL DESCRIPTIONS

SCALE: 1"=20'

<b>CLIENT</b>	<b>HENRY FORD HEALTH SYSTEMS</b>		
PEDESTRIAN BRIDGE ENCROACHMENT EXHIBIT			
<b>SMITHGROUP JJR</b>	JOB NO.	21283	PAGE 2 OF 3
	DRAWN: CO	REVIEW: CAL	DATE 11/29/2017
	201 DEPOT STREET SECOND FLOOR ANN ARBOR, MI 48104		
	734.662.4457 www.smithgroupj jr.com		

LEGEND	
W.C.R.	WAYNE COUNTY RECORDS
P.O.B.	POINT OF BEGINNING
L2	CURVE SEGMENT ANNOTATION
	PROPOSED ENCROACHMENT

**LEGAL DESCRIPTION: ELEVATED PEDESTRIAN WALKWAY**

An elevated pedestrian walkway is proposed to span across the existing Right-of-Way of West Grand Boulevard (150 feet wide) to connect Henry Ford Health Systems facilities on opposite sides of the aforementioned West Grand Boulevard Right-of-Way. The limits of the pedestrian walkway are separated into three (3) regions: (1) Skywalk Tower South, (2) Skywalk and (3) Skywalk Tower North. Each region is described using minimum and maximum elevations representing the upper and lower bounds of the walkway structure as well as traditional metes and bounds courses. The pedestrian walkway is described as follows:

**SKYWALK TOWER SOUTH:**

Commencing at the Northeast corner of Lot 29 of "Lothrop & Duffield Land Co. Ltd.'s Sub", as recorded in Liber 23 of Plats, Page 38, Wayne County Records, Wayne County, Michigan, also being the Southwest corner of the intersection of West Grand Boulevard (150 feet wide) and Sterling Avenue (variable width); thence N62°13'54"E 96.08 feet along the Southerly Right-of-Way line of said West Grand Boulevard to a PLACE OF BEGINNING of SKYWALK TOWER SOUTH, being bound between elevations 152.50 feet and 189.50 feet (City of Detroit Vertical Datum) representing the lower and upper bounds of the structure; thence N27°46'16"W 9.50 feet to REFERENCE POINT "A"; thence N62°13'54"E 16.00 feet; thence S27°46'16"E 9.50 feet; thence S62°13'54"W 16.00 feet along the Southerly Right-of-Way line of said West Grand Boulevard to the Point of Beginning, being a part of Fractional Section 36, T1S, R11E, City of Detroit, Wayne County, Michigan.

**SKYWALK:**

BEGINNING at the aforementioned REFERENCE POINT "A", the SKYWALK is bound between elevations 170.50 feet and 189.50 feet (City of Detroit Vertical Datum), representing the lower and upper bounds of the structure; thence N27°46'16"W 132.50 feet to REFERENCE POINT "B"; thence N62°13'54"E 16.00 feet; thence S27°46'16"E 132.50 feet; thence S62°13'54"W 16.00 feet to the Point of Beginning, being a part of Fractional Section 36, T1S, R11E and part of Quarter Section 55 of the 10,000 Acre Tract, Recorded in Liber 6 of Deeds, Page 189, City of Detroit, Wayne County, Michigan.

**SKYWALK TOWER NORTH:**

BEGINNING at the aforementioned REFERENCE POINT "B", the SKYWALK TOWER NORTH is bound between elevations 152.50 feet and 193.50 feet (City of Detroit Vertical Datum), representing the lower and upper bounds of the structure; thence S62°13'54"W 2.50 feet; thence N27°46'16"W 8.00 feet; thence N62°13'52"E 21.00 feet along the Northerly Right-of-Way line of said West Grand Boulevard; thence S27°46'16"E 8.00 feet; thence S62°13'54"W 18.50 feet to the Point of Beginning, being a part of Quarter Section 55 of the 10,000 Acre Tract, Recorded in Liber 6 of Deeds, Page 189, City of Detroit, Wayne County, Michigan.

**NOTES:**

- SEE SHEET 1 FOR OVERALL VIEW
- SEE SHEET 2 FOR DETAILS & LINE TABLE

<b>CLIENT</b>		<b>HENRY FORD HEALTH SYSTEMS</b>	
PEDESTRIAN BRIDGE ENCROACHMENT EXHIBIT			
<b>SMITHGROUP JJR</b>	JOB NO.	21283	PAGE 3 OF 3
	DRAWN: CO	REVIEW: CAL	DATE 11/29/2017
	201 DEPOT STREET SECOND FLOOR ANN ARBOR, MI 48104		www.smithgroupj jr.com
734.662.4457			