



April 9, 2018

Honorable City Council:

**RE: Petition No. 1846 – Henry Ford Health System, request 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 over West Grand Boulevard.**

Petition No. 1846 – Henry Ford Health System, request for an encroachment with a pedestrian bridge and support columns over West Grand Boulevard, 150 feet wide between the John C. Lodge Freeway and Sterling Avenue, 60 feet wide.

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

The request is being made as a part of a major new development known as The Henry Ford Cancer Project and the pedestrian bridge will provide both safety and convenience for the patients, staff and visitors traveling to and from between the Henry Ford Hospital and the new Cancer Center.

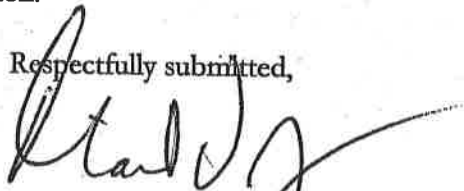
The request was approved by the Solid Waste Division – DPW, and the Traffic Engineering Division – DPW (TED). TED approves provided that certain clearances are met. The TED clearances are a part of the resolution.

Detroit Water and Sewerage Department (DWSD) reports being involved, but they have no objection provided the DWSD encroachment provisions are followed. The DWSD provisions have been made a part of the resolution. Great Lakes Water Authority has a 24 inch water main in the area of the request. A provision for the water main is a part of the resolution.

All other involved City Departments, including the Public Lighting Authority and Public Lighting Department; also privately owned utility companies have reported no objections to the encroachment. Provisions protecting all utility installations are part of the attached resolution.

I am recommending adoption of the attached resolution.

Respectfully submitted,

  
Richard Doherty, P.E., City Engineer  
City Engineering Division – DPW

JMK/

Cc: Ron Brundidge, Director, DPW  
Mayor's Office – City Council Liaison

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

**RESOLVED**, that the Department of Public Works, City Engineering Division is hereby authorized and directed to issue permits to Henry Ford Health System or their assigns to install and maintain encroachments with a pedestrian bridge and structural supports over West Grand Boulevard, 150 feet wide between the John C. Lodge Freeway and Sterling Avenue, 60 feet wide, all on land in the City of Detroit, Wayne County, Michigan being further described as follows:

- 1) **Skywalk Tower South:** Part of Fractional Section 36, T1S.,R.11E, City of Detroit, Wayne County, Michigan described as: Commencing at the Northeast corner of Lot 29 of "Lothrop and Duffield Land Company Limited's Subdivision of part of Fractional Section 36, T1S.,R.11E and part of Fractional Section 1, T2S, R11.E" 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  $N62^{\circ}13'54''E$  96.08 along the southerly right-of-way line of said West Grand Boulevard to a Point of Beginning; thence  $N27^{\circ}46'16''W$  9.50 feet to **Reference point "A"**; thence  $N62^{\circ}13'54''E$  16.00 feet; thence  $S27^{\circ}46'16''E$  9.50 feet; thence  $S62^{\circ}13'54''W$  16.00 feet along the southerly right-of-way line of West Grand Boulevard to the Point of Beginning; also said parcel 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.
- 2) **Skywalk:** Part of Fractional Section 36, T1S.,R.11E, and part of Quarter Section 55 of the TTAT, recorded in Liber 6 of Deeds, Page 189 City of Detroit, Wayne County, Michigan described as: Beginning at the aforementioned **Reference point "A"**; thence  $N27^{\circ}46'16''W$  132.50 feet to **Reference point "B"**; thence  $N62^{\circ}13'54''E$  16.00 feet; thence  $S27^{\circ}46'16''E$  132.50 feet; thence  $S62^{\circ}13'54''W$  16.00 feet to the Point of Beginning; also said parcel being bound between elevations 170.50 feet and 189.50 feet (City of Detroit Vertical Datum) representing the lower and upper bounds of the structure.
- 3) **Skywalk Tower North:** Part of Quarter Section 55 of the TTAT, recorded in Liber 6 of Deeds, Page 189 City of Detroit, Wayne County, Michigan described as: Beginning at the aforementioned **Reference point "B"**; thence  $S62^{\circ}13'54''W$  2.50 feet; thence  $N27^{\circ}46'16''W$  8.00 feet; thence  $N62^{\circ}13'52''E$  21.00 feet along the northerly right-of-way line of said West Grand Boulevard; thence  $S27^{\circ}46'16''E$  8.00 feet; thence  $S62^{\circ}13'54''W$  18.50 feet to the Point of Beginning; also said parcel being bound between elevations 152.50 feet and 193.50 feet (City of Detroit Vertical Datum) representing the lower and upper bounds of the structure.

PROVIDED, that if there is any cost for the removing and/or rerouting of any utility facilities, it shall be done at the expense of the petitioner and/or property owner; and be it further

PROVIDED, that access is maintained to all fire department connections, and be it further

PROVIDED, that the petitioner shall provide a minimum under-clearance of 18 feet in height maintained between the bottom of the pedestrian bridge and the pavement grade, and be it further

PROVIDED, that by approval of this petition the Detroit Water and Sewerage Department (DWSD) does not waive any of its rights to its facilities located in the right-of-way, and at all times, 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; and be it further

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

PROVIDED, that 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; and be it 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 be it further

PROVIDED, that DWSD requires information on the method of construction of the bridge footings to avoid impact on DWSD facilities, and DWSD may require the installation of a vibration monitoring meter or lining of the segment of the sewer between the two manholes in the encroaching area, and further

PROVIDED, that Great Lakes Water Authority shall have full access and easement rights to the 24 inch water main located approximately 69 feet South of the North right-of-way line of West Grand Boulevard, and further

PROVIDED, Henry Ford Health System or their assigns shall apply to the Buildings and Safety Engineering Department for a building permit prior to any construction. Also, if it becomes necessary to open cut public streets, bore, jack, occupy or barricade city rights-of-way for maintenance of encroachments such work shall be according to detail permit application drawings submitted to the City Engineering Division – DPW prior to any public right-of-way construction; and further

PROVIDED, that the necessary permits shall be obtained from the City Engineering Division – DPW and the Buildings and Safety Engineering Department. The encroachments shall be constructed and maintained under their rules and regulations; and further

PROVIDED, that all cost for the construction, maintenance, permits and use of the encroachments shall be borne by Henry Ford Health System or their assigns, and further

PROVIDED, that all costs incurred by privately owned utility companies and/or city departments to alter, adjust, and/or relocate their existing utility facilities located in close proximity to the encroachments shall be borne by Henry Ford Health System or their assigns. Should damages to utilities occur, Henry Ford Health System or their assigns shall be liable for all incidental repair costs and waives all claims for damages to the encroaching installations; and further

PROVIDED, that no other rights in the public streets, alleys or other public place shall be considered waived by this permission which is granted expressly on the condition that said encroachments shall be removed at any time when so directed by the City Council, and the public property affected shall be restored to a condition satisfactory to the City Engineering Division – DPW; and further

PROVIDED, that Henry Ford Health System or their assigns shall file with the Department of Public Works – City Engineering Division 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 the faithful or unfaithful performance of Henry Ford Health System or their assigns of the terms thereof. Further, Henry Ford Health System or their assigns shall agree to pay all claims, damages or expenses that may arise out of the use, repair and maintenance of the proposed encroachments; and further

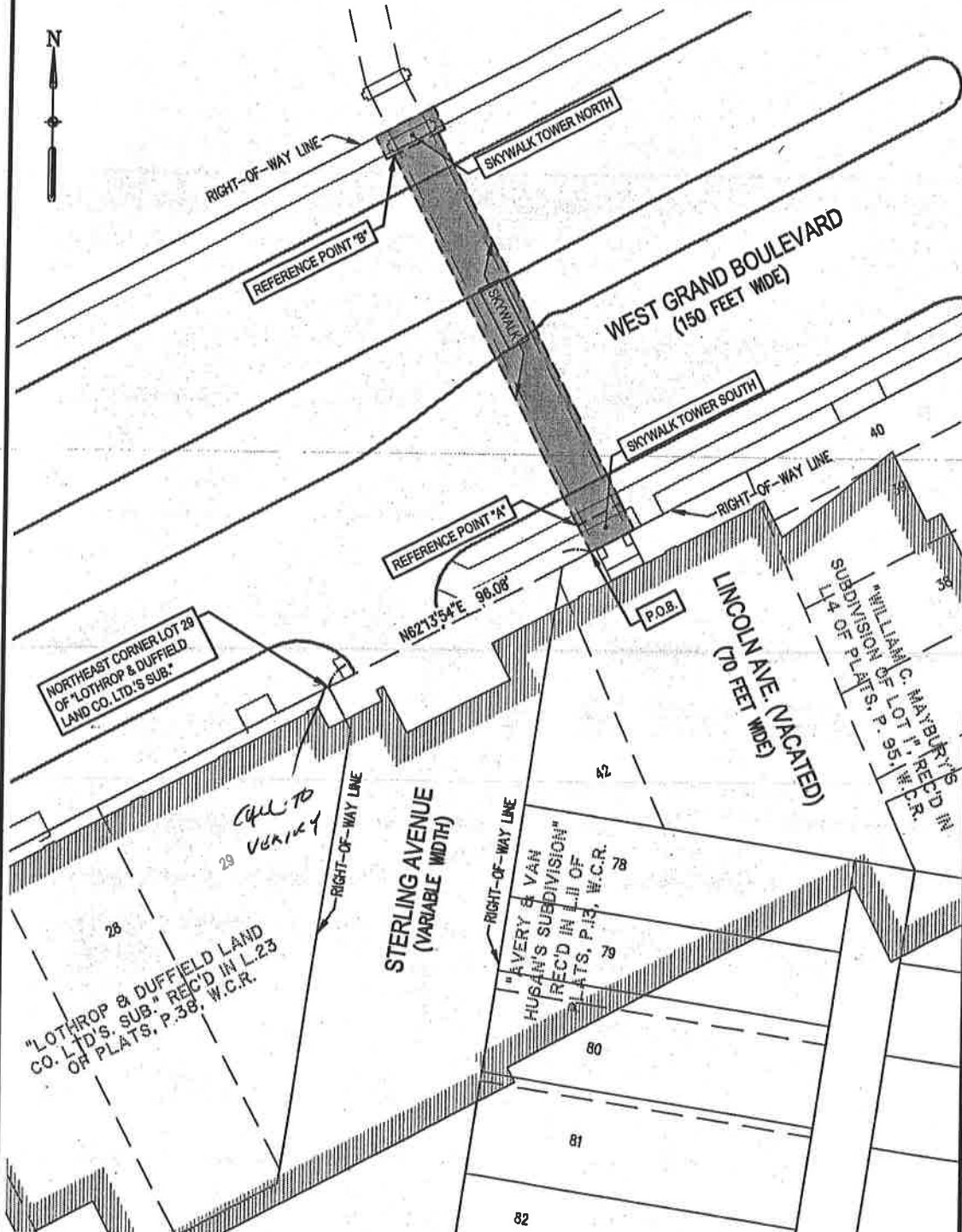
PROVIDED, that construction of the encroachments shall constitute acceptance of the terms and conditions as set forth in this resolution; and be it further

PROVIDED, this resolution is revocable at the will, whim or caprice of the City Council, and Henry Ford Health System acquires no implied or other privileges hereunder not expressly stated herein; and further

PROVIDED, that the encroachment permits shall not be assigned or transferred without the written approval of the City Council; and be it further

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

**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

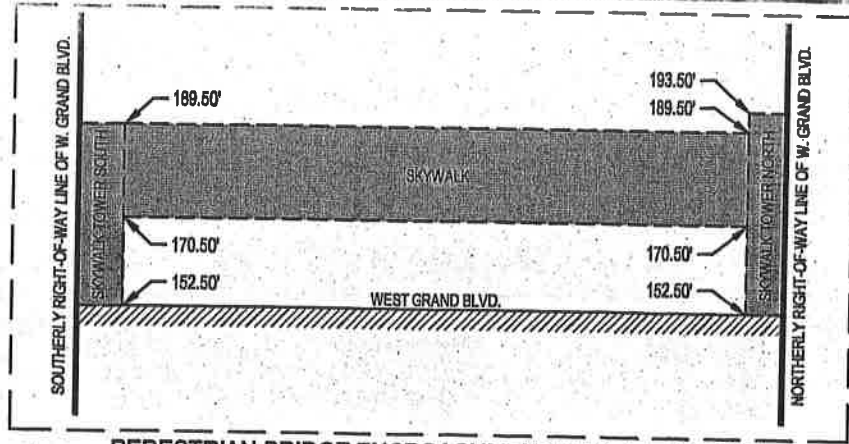


**NOTES:**

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

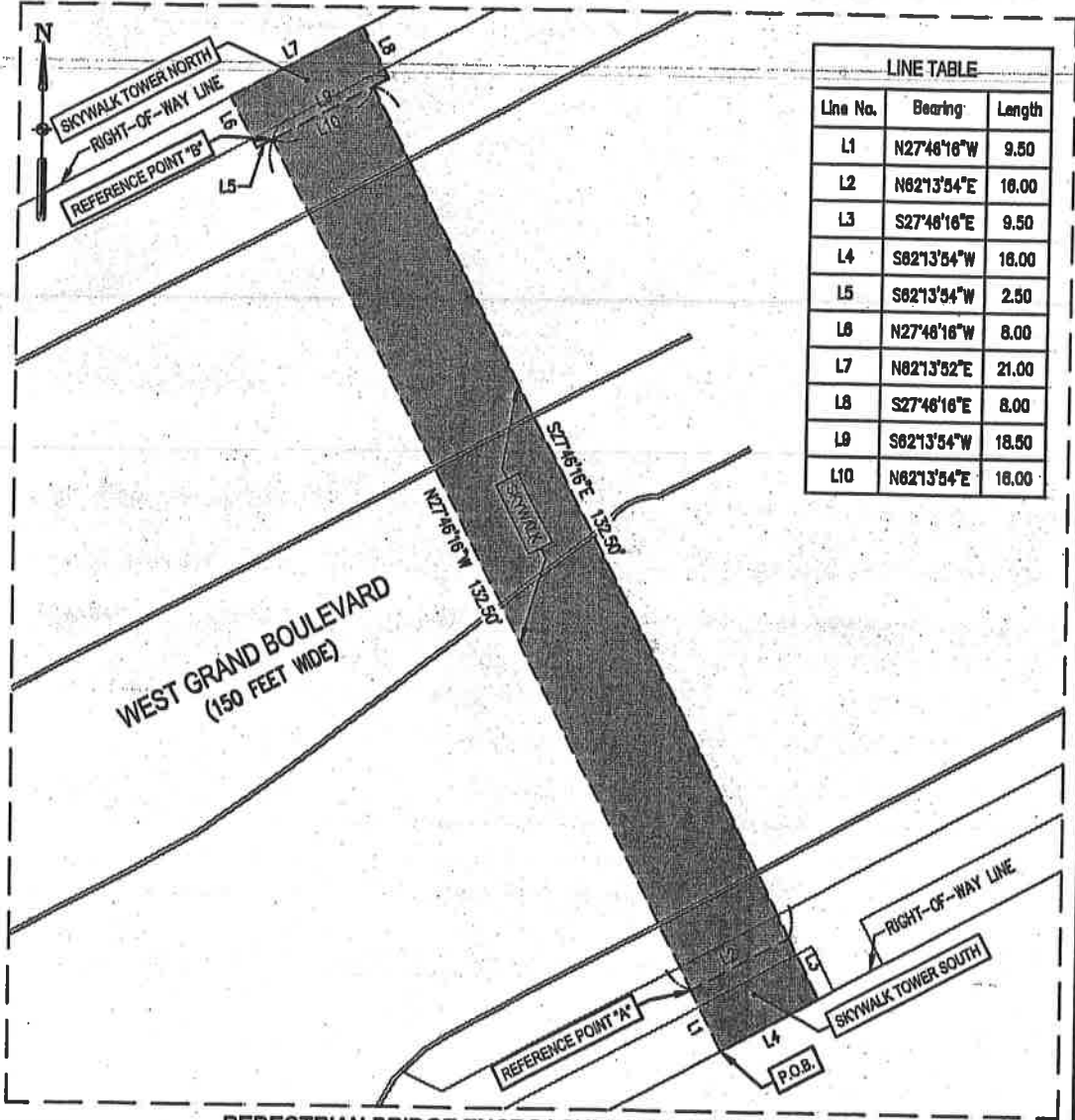
<b>CLIENT</b>		<b>HENRY FORD HEALTH SYSTEMS</b>	
PEDESTRIAN BRIDGE ENCROACHMENT EXHIBIT			
<b>SMITHGROUP JJR</b>	JOB NO.	21283	PAGE 1 OF 3
	DRAWN: CO	REVIEW: CAL	DATE 11/29/2017
	201 DEPOT STREET SECOND FLOOR ANN ARBOR, MI 48104		www.smithgroupjir.com

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	N82°13'54"E	16.00
L3	S27°46'16"E	9.50
L4	S82°13'54"W	16.00
L5	S82°13'54"W	2.50
L6	N27°46'16"W	8.00
L7	N82°13'52"E	21.00
L8	S27°46'16"E	8.00
L9	S82°13'54"W	18.50
L10	N82°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
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**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.

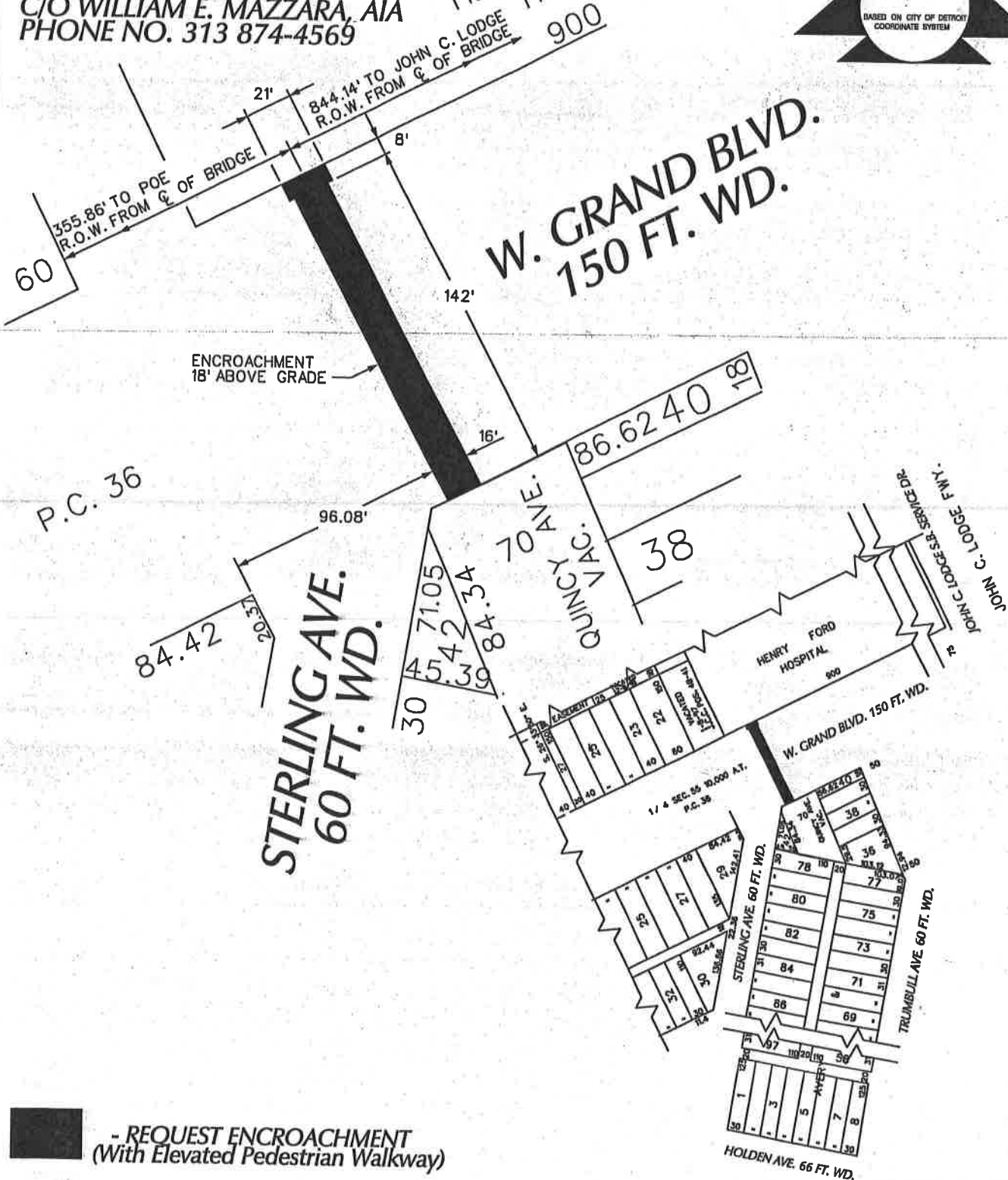
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<b>CLIENT:</b> HENRY FORD HEALTH SYSTEMS	
PEDESTRIAN BRIDGE ENCROACHMENT EXHIBIT	
<b>SMITHGROUP JJR</b>	JOB NO. 21283 PAGE 3 OF 3
	DRAWN: CO REVIEW: CAL DATE 11/29/2017
	201 DEPOT STREET SECOND FLOOR ANN ARBOR, MI 48104 734.662.4457 www.smithgroupjr.com

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



ENCROACHMENT  
 18' ABOVE GRADE

STERLING AVE.  
 60 FT. WD.

W. GRAND BLVD.  
 150 FT. WD.

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

(FOR OFFICE USE ONLY)

CARTO 31 C & D

<b>B</b>					
<b>A</b>					
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)

<b>CITY OF DETROIT</b>	
CITY ENGINEERING DEPARTMENT	
SURVEY BUREAU	
JOB NO.	01-01
DRWG. NO.	X 1846