



Letter of Transmittal

Date: 11-20-2025
Petition Map: 25-108

Type of Petition

- | | | |
|---|--|--|
| <input type="checkbox"/> Outright Vacation | <input type="checkbox"/> Dedication | <input type="checkbox"/> Berm Use |
| <input type="checkbox"/> Conversion to Easement | <input checked="" type="checkbox"/> Encroachment | <input type="checkbox"/> Temporary Closing |

Review Status

The above petition has been received and reviewed by this office. Please see below for the review status as marked.

- | | |
|---|--|
| <input checked="" type="checkbox"/> Approved Subject to Attached Provisions | <input type="checkbox"/> Revise and Resubmit |
| <input type="checkbox"/> Not Approved | |

Additional Comments (if applicable):

DWSD records indicate there is DWSD assets in the public right-of-way requested for encroachment. DWSD has no objections to the requested encroachment subject to the attached provision for encroachment is followed.

Attached is the DWSD provision related to the petition.

	Name	Title	Signature	Date
Reviewed by:	Mohammad Siddique	Engineer	<i>Mohammad Siddique</i>	11-20-2025
Approved by:	Syed Ali	Engineering Manager	<i>Mohammad Siddique</i> For Syed Ali	11-20-2025

Durga Temple
C/O: PJ Das
4215 E McNichols Rd
Detroit, MI 48212

October 28, 2025

City of Detroit
Office of the City Engineer
5301 Russell Street
Detroit, MI 48211

Subject: Request for Encroachment Approval – Durga Temple Detroit
Permit Numbers: BLD2024-00459 & BLD2024-02242

Dear Sir/Madam:

I, PJ Das, am writing on behalf of Durga Temple Detroit, located at 4215 E McNichols Rd, Detroit, MI 48212, to respectfully request approval of an encroachment within the public alley adjacent to our property.

This request is being submitted to fulfill the requirements of the Detroit Water and Sewerage Department (DWSD) Stormwater Management System for our ongoing construction and site improvement projects. The projects are currently under permit numbers BLD2024-00459 (new building) and BLD2024-02242 (parking lot development). Because the total development area exceeds 0.5 acres, DWSD has mandated the installation of a compliant stormwater management system.

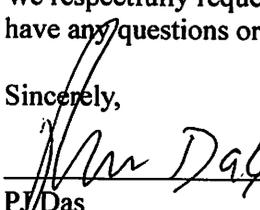
However, the two project sites are not contiguous, as they are separated by a public alley. To effectively meet DWSD's stormwater requirements, it is necessary to install an underground stormwater conveyance pipe across the public alley to interconnect the two sites. This connection will allow stormwater captured from the building site (Permit BLD2024-00459) to be conveyed to the parking lot site (Permit BLD2024-02242), from which a single tap connection will be made into the public sewer drainage system.

We were advised to submit this formal encroachment request to obtain approval from the City of Detroit. Enclosed with this cover letter, please find the following supporting documentation for your review:

- Completed Encroachment Application Form
- Site Plan and Utility Layout
- Engineering Specifications and Drawings

We respectfully request your quick review and decision of this encroachment application. Should you have any questions or require further documentation, please feel free to contact me directly. Thank you.

Sincerely,



P.J. Das

President, Durga Temple
Phone: 586-413-3299
Email: Ponkos.Das@gmail.com

PROVISIONS FOR ENCROACHMENT

1. 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 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 by DWSD 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. All construction performed under this petition shall not be commenced until after five (5) days written notice to DWSD. Seventy-two (72) hour notice shall also be provided in accordance with P.A. 53 1974, as amended, utilizing the MISS DIG one call system.
3. Construction under this petition is subject to inspection and approval by DWSD. The cost of such inspection shall, at the discretion of DWSD, be borne by the petitioner.
4. DWSD prohibits the use of heavy construction equipment or the storage of building material directly over or near DWSD facilities. DWSD also prohibits the use of cranes and balls or hydraulic rams for pavement removal where DWSD facilities are involved. If the water main or sewer facilities are broken or damaged as a result of any action on the part of the contractor, the contractor shall be liable for all costs incidental to the repair of such broken or damaged water main or sewer facilities. If DWSD facilities located within the street 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.
5. 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.
6. If at any time in the future the petitioner shall request removal and / or relocation of DWSD's facilities in the street being encroached upon, the petitioner agrees to pay all costs for such removal and/or relocation.
7. Prior to construction, Easement Encroachment Permit (EEP) should be obtained and the insurance required by the EEP should not expire until after completion of the construction.
8. For any proposed work that involves DWSD water mains and/or sewers, an approval and a permit is required from DWSD before commencement of work.
9. It is DWSD's requirement that any proposed utility crossing DWSD water mains and/or sewers perpendicularly must maintain a minimum of 18 inches vertical clearance. Any proposed utility running adjacent to DWSD water mains and/or sewers must maintain a minimum of 10 feet lateral clearance including any conduit and/or manholes walls. No utility is allowed to run along the top of the water main or/or sewer.
10. It is DWSD's requirement that no encroachment has a vertical clearance of less than 16 feet from the ground surface over DWSD water mains and/or sewers.

4215 E McNichols Rd,



11/12/2025

Wastewater Control Devices - GLWA

Inflatable Dam

Wastewater Structures - GLWA

Manhole

Wastewater Mains - GLWA

GLWA Gravity Main

Transmission System Mains - GLWA

Abandoned/Inactive Water Main

Active Water Main

Transmission System Valves - GLWA

Blowoff

Gate

Tapping Sleeve

Distribution System Hydrant

Distribution System Main

Active

Abandoned

Wastewater Catch Basin

Wastewater Manhole

Wastewater Fitting

Bend/Slope Change

Blind Connection

Material/Size Change

Crown/Main Point

Wastewater Gravity Main

Active

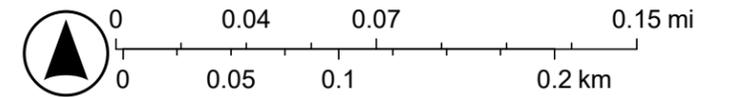
World Imagery

Low Resolution 15m Imagery

High Resolution 60cm Imagery

High Resolution 30cm Imagery

Citations



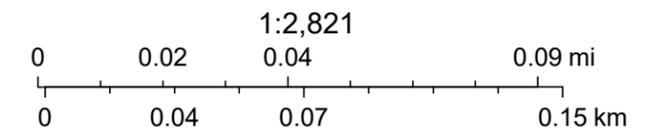
Vantor, DWSD, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

4215 E McNichols Rd,



11/12/2025, 4:07:15 PM

- | | | | |
|----------------------------------|--|-------------------------------------|--------------------------------|
| | | Wastewater Structures (GLWA) | Wastewater Mains (GLWA) |
| | | | |
| Wastewater Fitting (DWSD) | | | |
| | Wastewater Control Devices (GLWA) | | |
| | | | |



Vantor, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

4215 E McNichols Rd,



11/12/2025, 4:07:07 PM

Transmission System Fittings (GLWA)

- Horizontal Bend
- Tap
- Tee

Transmission System Valves (GLWA)

- Blowoff

Gate

Tapping Sleeve

Transmission System Mains (GLWA)

Abandoned/Inactive Water Main

Active Water Main

Distribution System Hydrant

DWS

Distribution System Valve

Gate

Blow Off

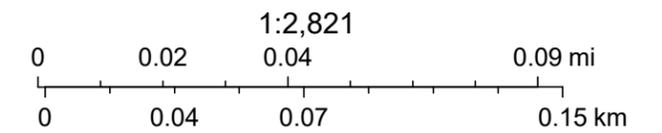
TSV

Hydrant

Distribution System Main

Active

Distribution System Service Line



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Roll 6/8/24.

LATERAL SEWER IN ALLEY

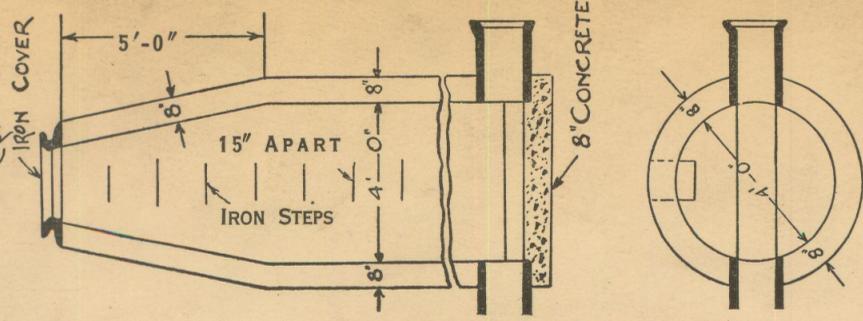
IN BLOCKS BOUNDED BY
RYAN-EUREKA - SIX MILE - N.OF NANCY (Except where already built)

DETAILS

TOTAL LENGTH OF SEWER 2678.00 FT. M. OR L.

"	"	"	24" CROCK	158.00	INC. Bend, Slant
"	"	"	20" "	142.00	" 6-6" Y.S.
"	"	"	18" "	762.00	" 46-6" Y.S.
"	"	"	15" "	596.00	" 40-6" Y.S.
"	"	"	12" "	1020.00	" 44-6" Y.S.

ELEVEN MANHOLES INC. 107-IRON STEPS
& 3-12" - 1-20" - 4-6" CONNECTIONS.



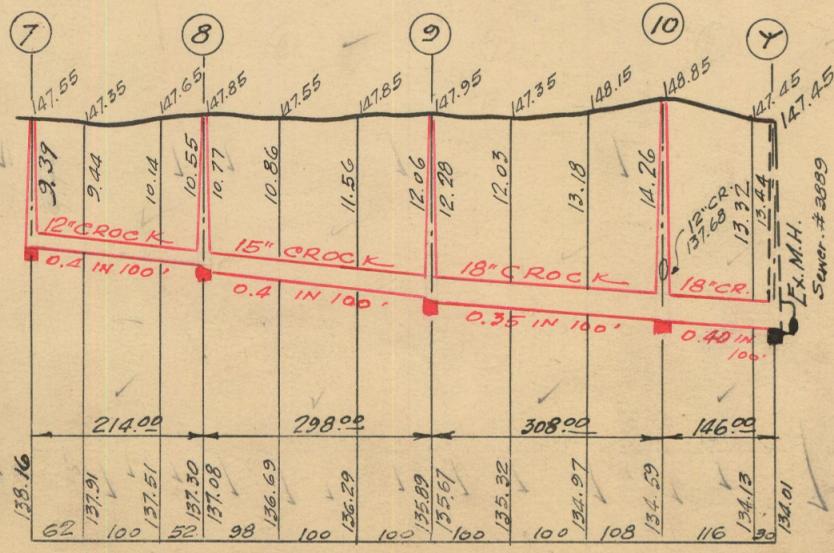
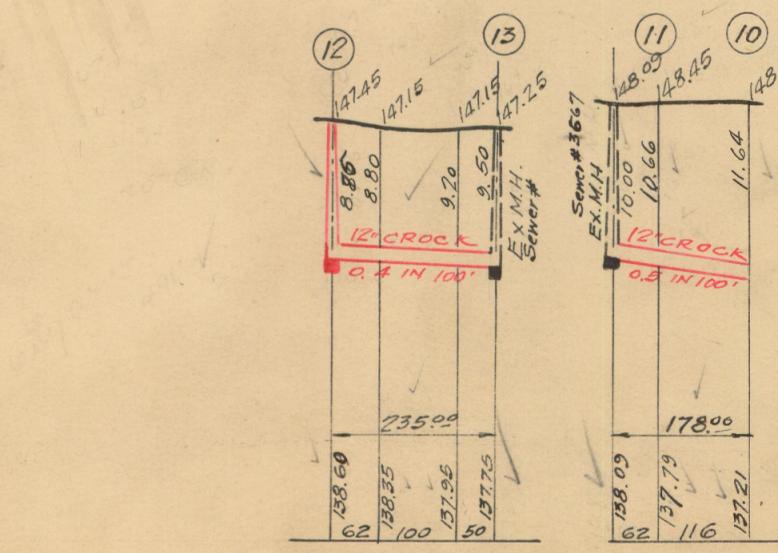
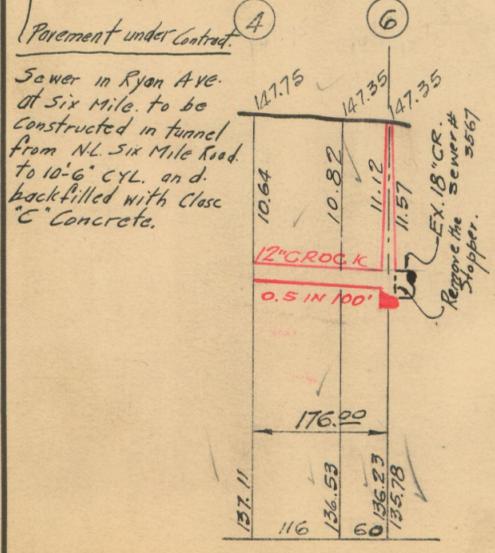
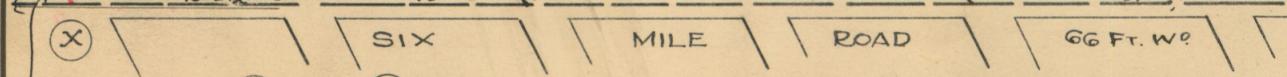
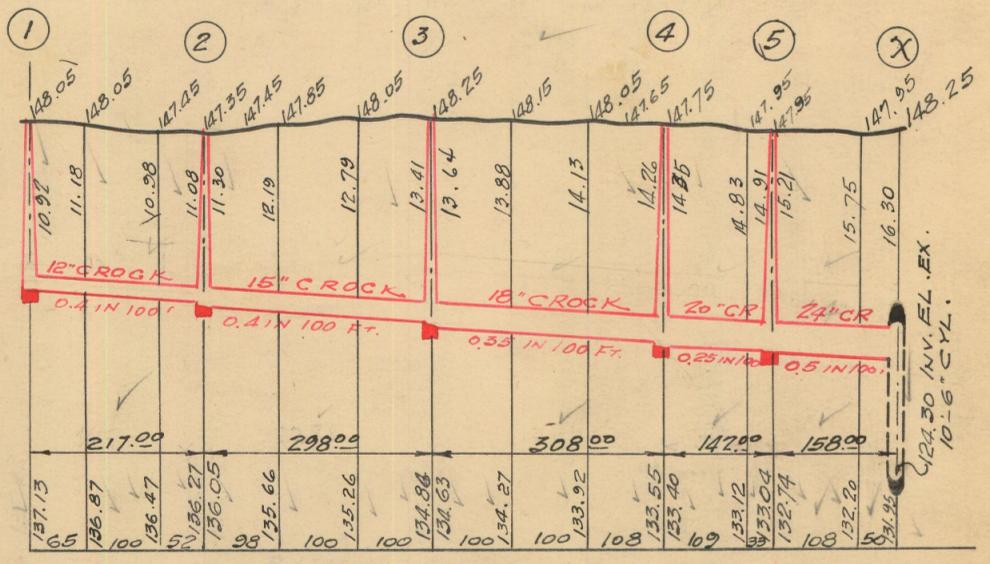
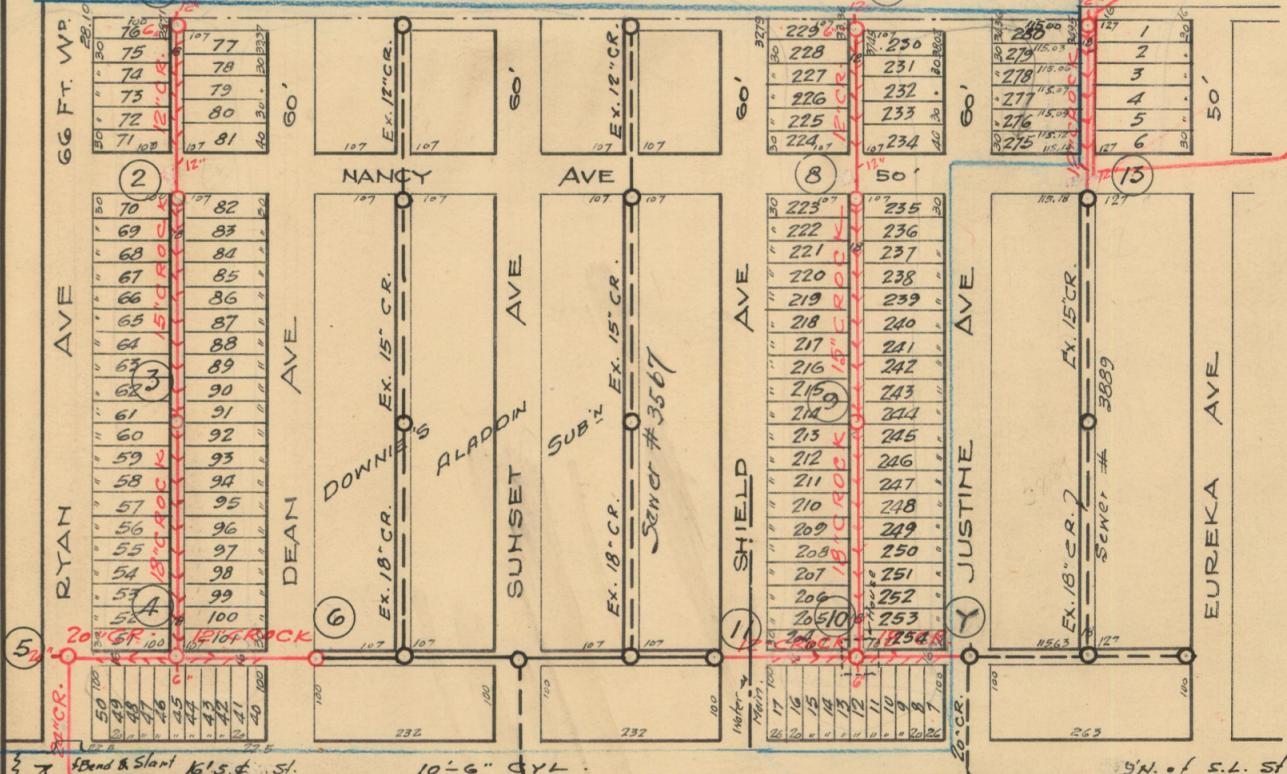
DEPARTMENT OF PUBLIC WORKS
CITY ENGINEER'S OFFICE
DETROIT, MICH.

SEWER NO. 4119
ROLL NO. 9429

PETITION No. 1390-1391-1392
 PETITION DATE 4/1/24
 RESOLUTION Apr. 8-1924
 BIDS OPENED Apr. 21-1924
 CONTRACT CONF'D Apr. 22-1924
 COMPLETED July 12-1924
 CONT'R RENNIE & Dibble
 \$ 6540.04

Dennis Aladdin Subdivision of part
 of S.E. 1/4 of S.W. 1/4 of Sec 8 City of
 Detroit Wayne County Michigan

Richard Subdiv of part
 of the S.E. 1/4 of the S.W. 1/4 of
 Sec 8 T15 R12 E City of Detroit
 Wayne County, Michigan



NOTE--Contractor to furnish and set as markers for all connections 1/2 inch iron rods 2 feet long with 3 inch tile collar 6 inches long.

NOTE--Sidewalks, Pavements and other existing public improvements, must be adequately protected during the construction of this sewer, and when damaged, the contractor must restore them to their original status without additional cost to the city. Each bidder is expected to examine the drawings, to visit the locality of the work, to make his own estimate of the facilities and difficulties attending the execution of the work, including local conditions and all other contingencies, whether surface or underground, to do all his own pumping and provide proper bulk heads when directed by city engineer. Above costs to be borne by contractor.

SCALE	VERTICAL 1"=10'	DRAWN	SBN	CHECK	CBH
	HORIZONTAL 1"=200'	TRACED	SBN	NOTE BOOK	204/151

28905

BN. 4/17/24.

BK 4
7-23-24
F.J.G.

E/36

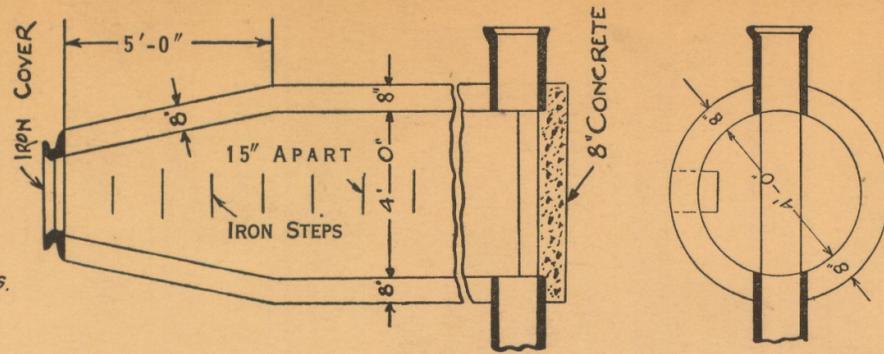
LATERAL SEWER IN ALLEY

IN BLOCKS BOUNDED BY

DEAN - SHIELDS - SIX MILE ROAD - N. OF NANCY.

DETAILS

TOTAL LENGTH OF SEWER 2324.49 FT. M. OR L.
 " " " 12" CROCK 548.49' INC 26-6" Y's & 4-12" Y's.
 " " " 15" " 596.00' " 40-6" Y's.
 " " " 18" " 876.00' " 52-6" Y's.
 " " " 24" " 304.00' " 6-6" Y's, 1 bend & 1 slant.
 TEN MANHOLES INC. 80 IRON STEPS, 4-12" CONNS & 4-6" CONNS.

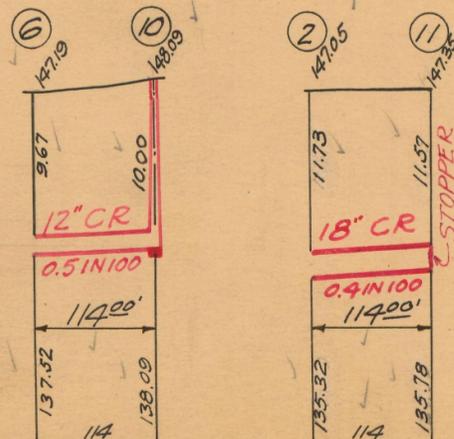
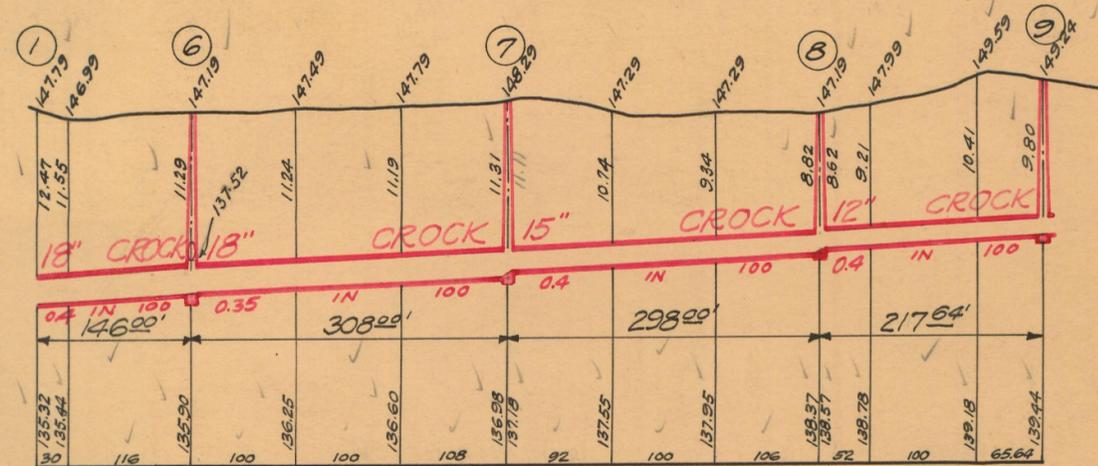
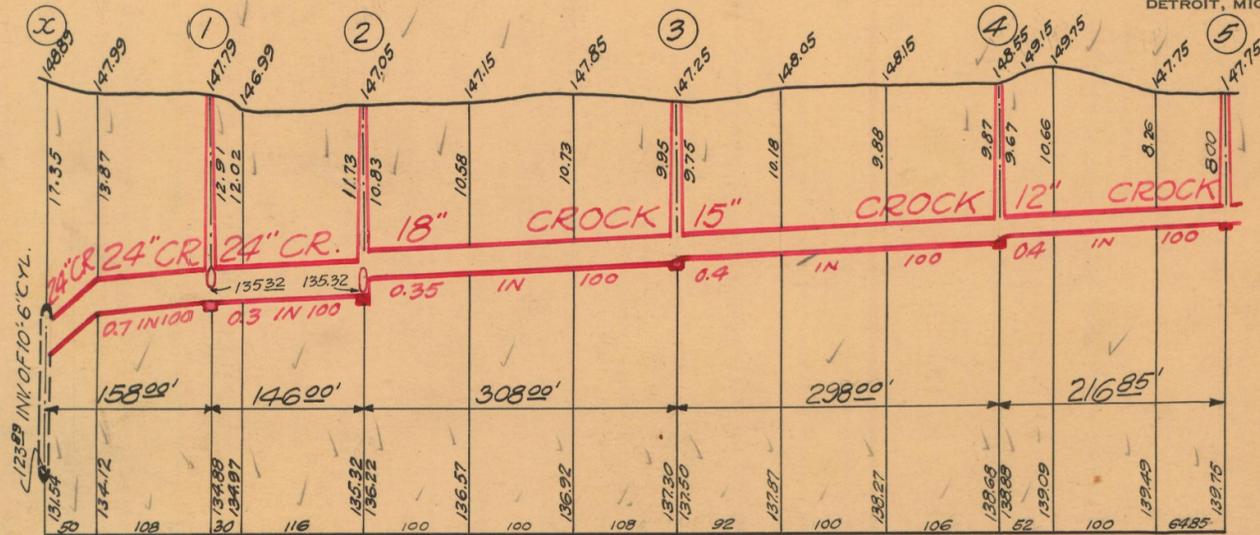
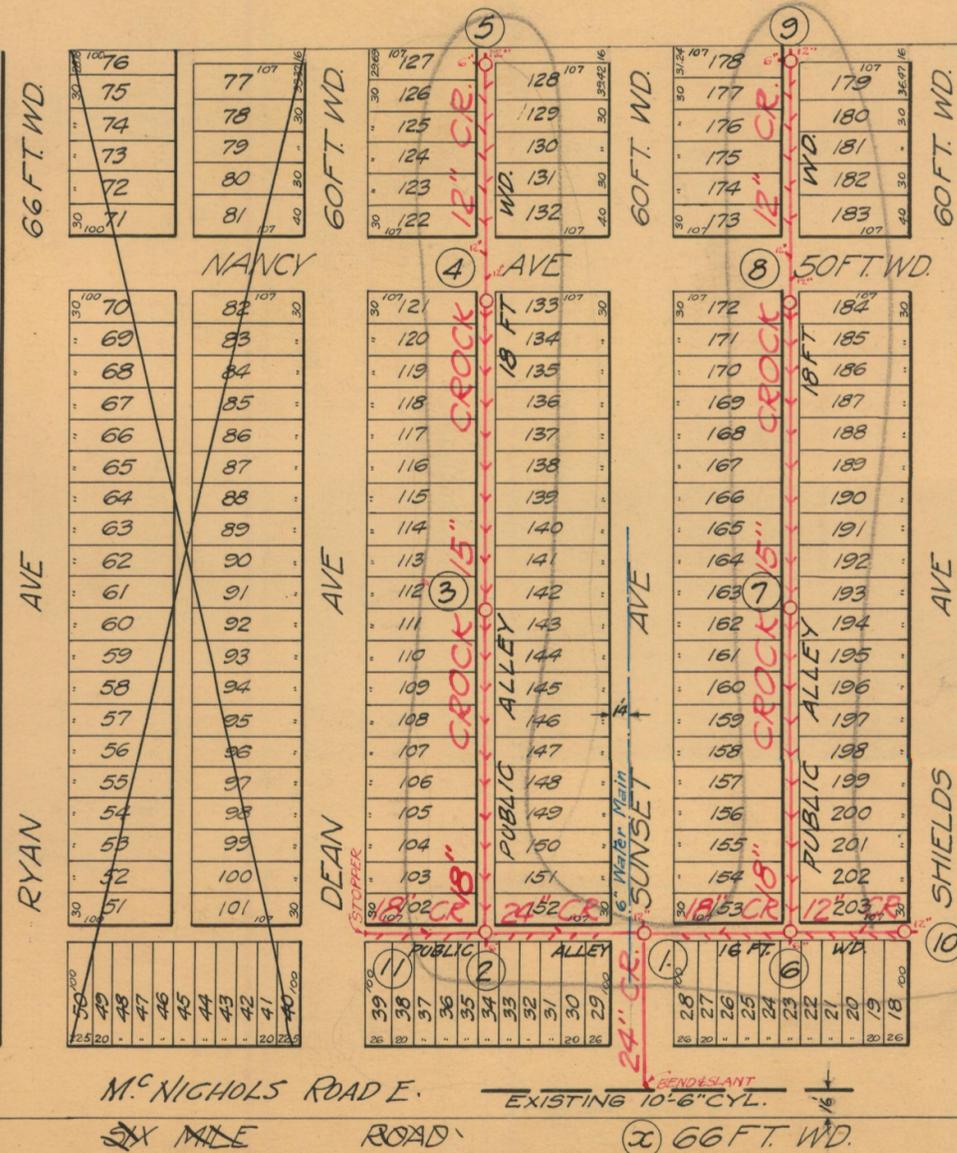


SECTS OF M.H.

SEWER No. 3567
ROLL No. 8877

PETITION No. 8004
 PETITION DATE Aug. 30, 1921.
 RESOLUTION Nov. 9-1921.
 BIDS OPENED Nov. 14-1921
 CONTRACT CONF'D Nov. 15-1921
 COMPLETED JAN 24 1922
 CONT'R Western Const. Co.
 #6190.00

DEPARTMENT OF PUBLIC WORKS
 CITY ENGINEER'S OFFICE
 DETROIT, MICH.



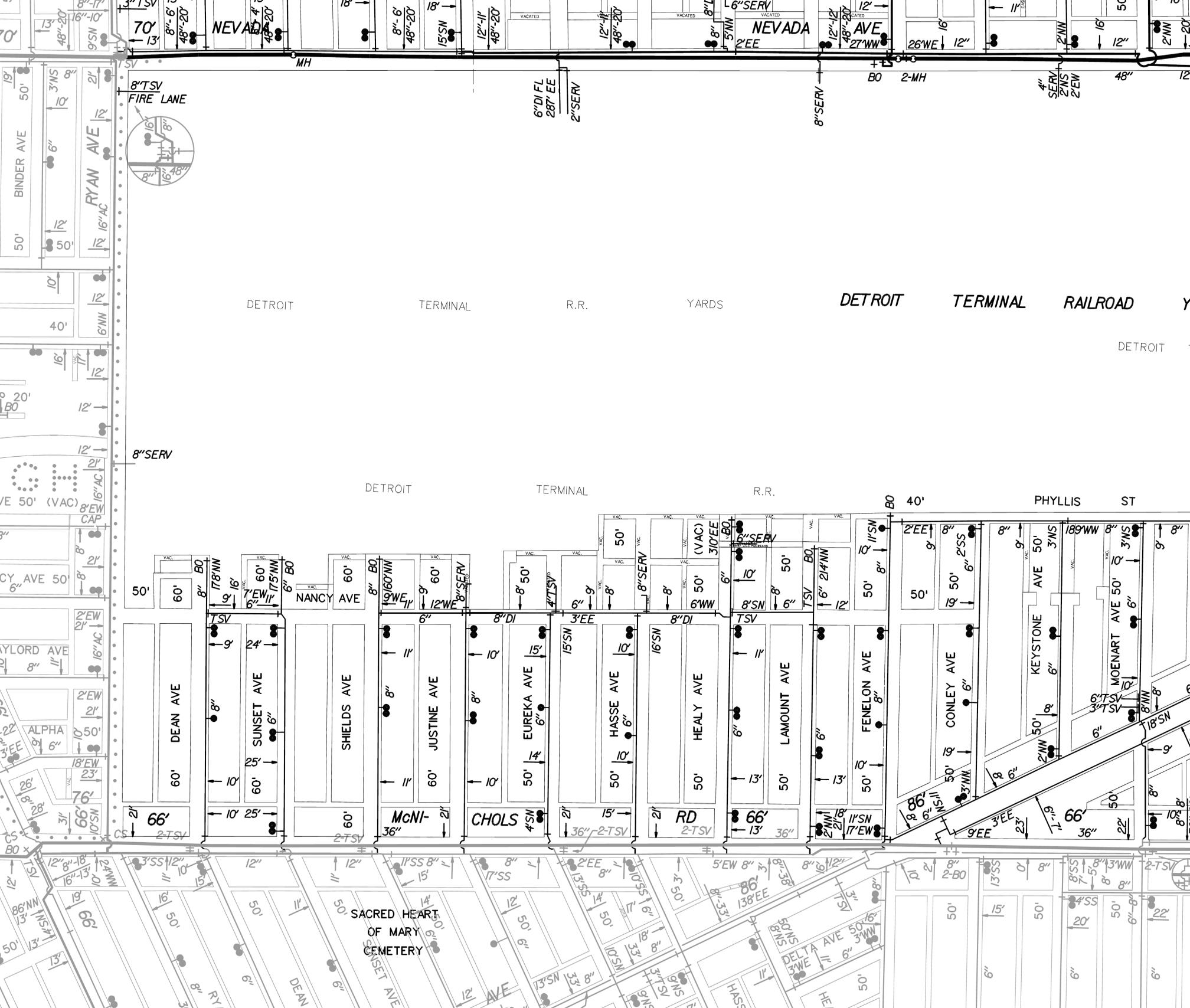
Downie's Fladdin Subdivision
 of part of S.W. 1/4 of S.W. 1/4 of
 Section 8, T.1.S.R.12E.
 HARTMANCK TWP. WAYNE CO
 MICHIGAN.

26445

NOTE--Contractor to furnish and set as markers for all connections 1/2 inch iron rods 2 feet long with 3 inch tile collar 6 inches long.

NOTE:--Each bidder is expected to examine the drawings, to visit the locality of the work, to make his own estimate of the facilities and difficulties attending the execution of the work, including local conditions and all other contingencies, whether surface or underground, to do all his own pumping and provide proper bulk heads when directed by city engineer. Above costs to be borne by contractor.

SCALE	VERTICAL 1"=10'		HORIZONTAL 1"=150'	
DRAWN	MMG	CHECK	R ³	
TRACED	MMG	NOTE BOOK	204/151	



8" TSV
FIRE LANE

8" SERV

6" DI FL
287' EE
2" SERV

8" SERV

BO 2-MH

4" SERV
2" NS
2" EW

DETROIT

TERMINAL

R.R.

YARDS

DETROIT

TERMINAL

RAILROAD

DETROIT

DETROIT

TERMINAL

R.R.

BO 40'

PHYLLIS ST

50'

60'

8" BO

178" NN

16'

60'

7' EW

175" NN

6" BO

60'

19'60" NN

8" BO

60'

12' WF

8" SERV

60'

8" DI

8" 50'

6"

9'

8"

8" SERV

50'

3'0" EE

6" WW

8" SN

8" 50'

6"

TSV

BO

50'

60'

8" BO

178" NN

16'

60'

7' EW

175" NN

6" BO

60'

19'60" NN

8" BO

60'

12' WF

8" SERV

60'

8" DI

8" 50'

6"

9'

8"

8" SERV

50'

3'0" EE

6" WW

8" SN

8" 50'

6"

TSV

BO

50'

60'

8" BO

178" NN

16'

60'

7' EW

175" NN

6" BO

60'

19'60" NN

8" BO

60'

12' WF

8" SERV

60'

8" DI

8" 50'

6"

9'

8"

8" SERV

50'

3'0" EE

6" WW

8" SN

8" 50'

6"

TSV

BO

50'

60'

8" BO

178" NN

16'

60'

7' EW

175" NN

6" BO

60'

19'60" NN

8" BO

60'

12' WF

8" SERV

60'

8" DI

8" 50'

6"

9'

8"

8" SERV

50'

3'0" EE

6" WW

8" SN

8" 50'

6"

TSV

BO

50'

60'

8" BO

178" NN

16'

60'

7' EW

175" NN

6" BO

60'

19'60" NN

8" BO

60'

12' WF

8" SERV

60'

8" DI

8" 50'

6"

9'

8"

8" SERV

50'

3'0" EE

6" WW

8" SN

8" 50'

6"

TSV

BO

50'

60'

8" BO

178" NN

16'

60'

7' EW

175" NN

6" BO

60'

19'60" NN

8" BO

60'

12' WF

8" SERV

60'

8" DI

8" 50'

6"

9'

8"

8" SERV

50'

3'0" EE

6" WW

8" SN

8" 50'

6"

TSV

BO

SACRED HEART
OF MARY
CEMETERY

66'

2-TSV

10'

25'

8"

2-TSV

60'

11'

60'

11'

10'

10'

15'

4" SM

36"

2-TSV

15'

10'

16" SM

8" DI

11'

6"

6"

6"

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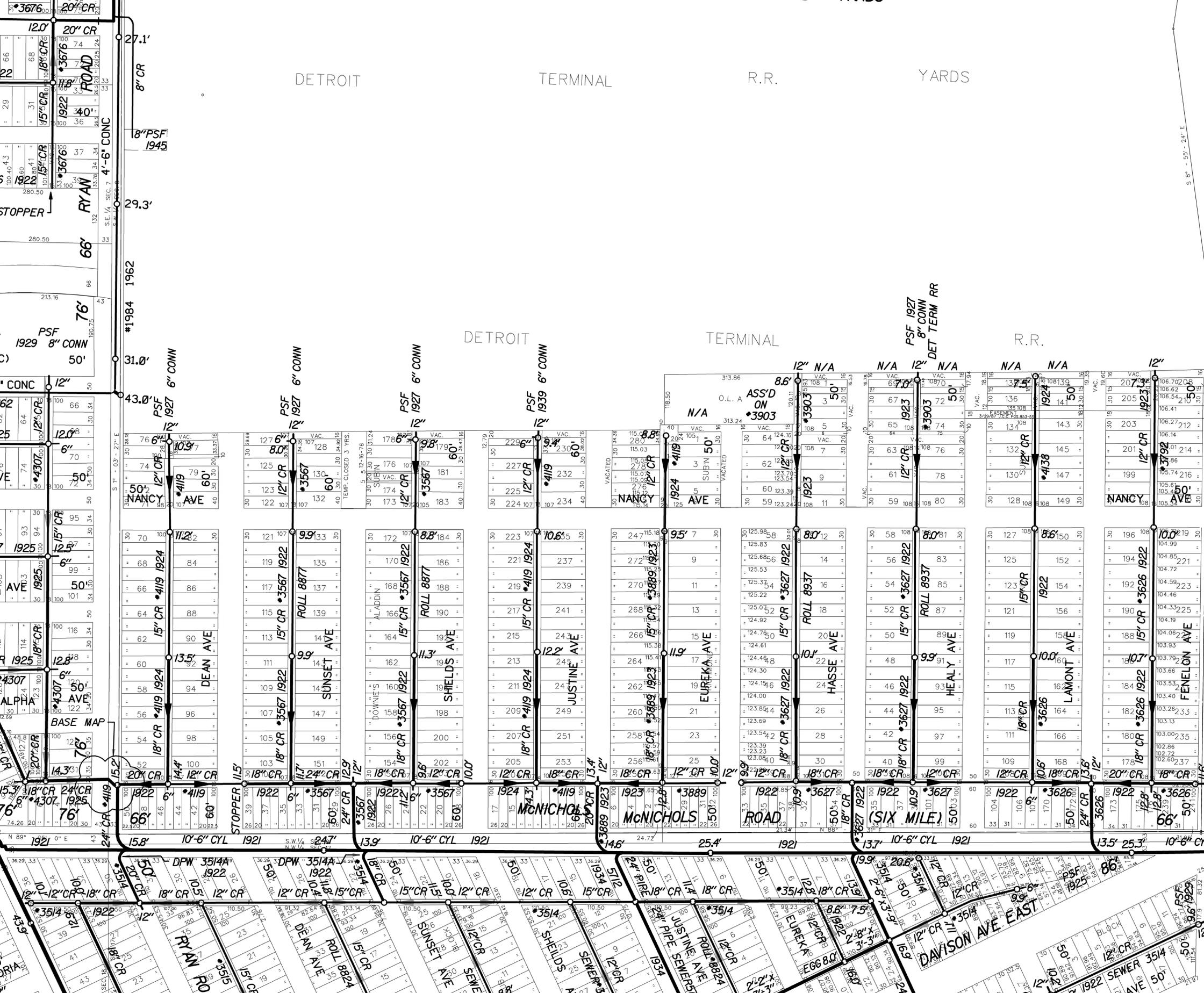
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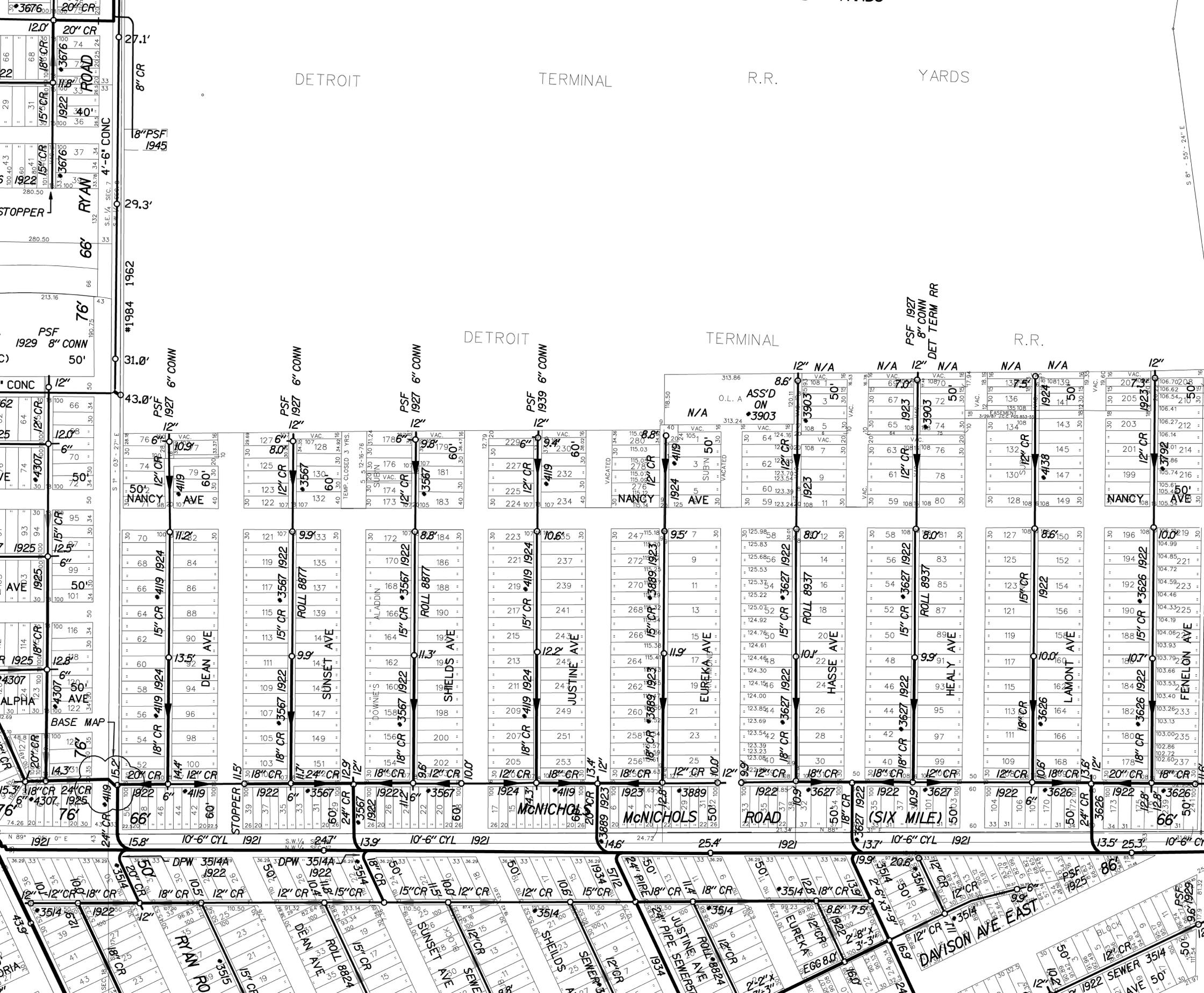
12"

12"



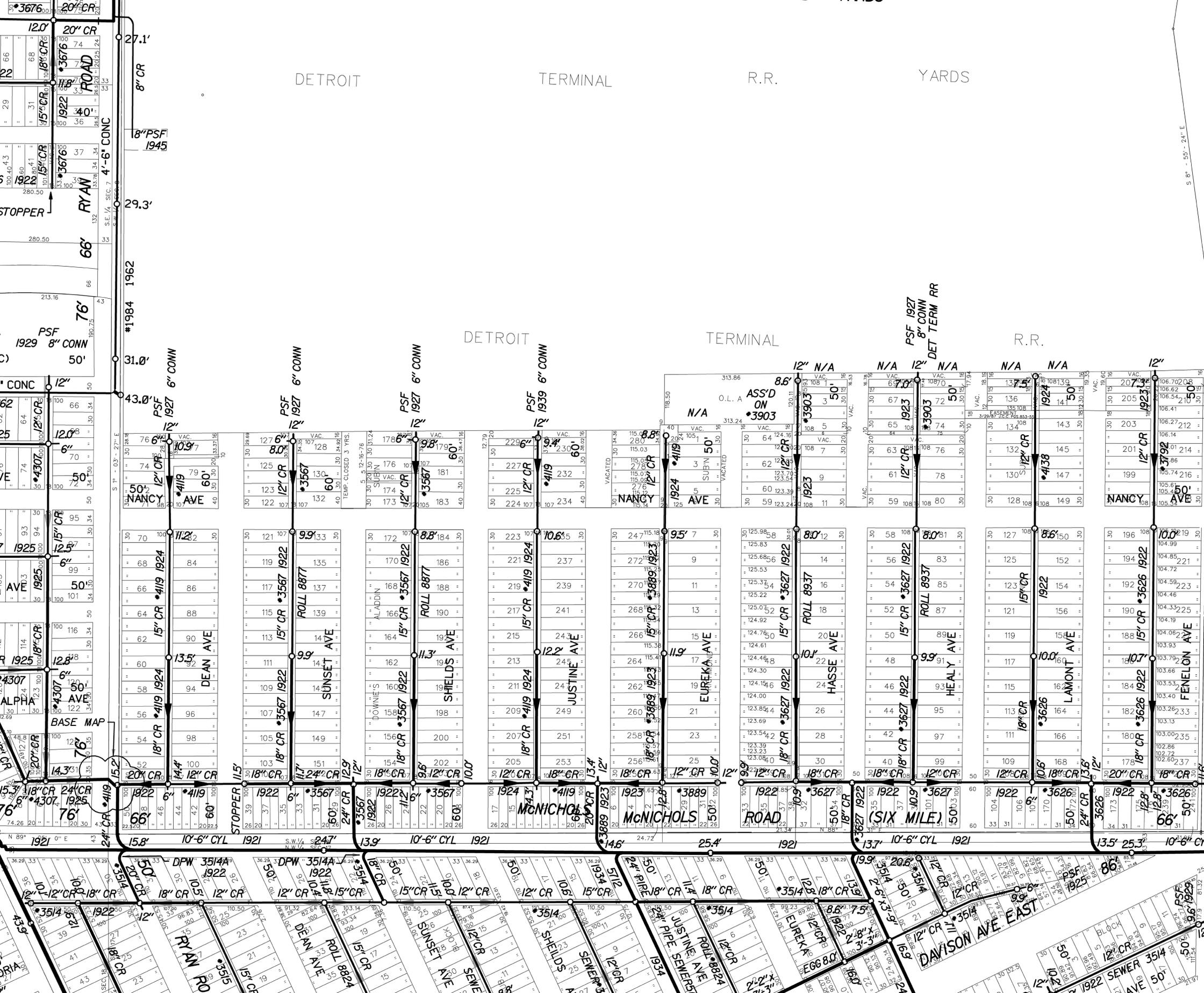
DETROIT TERMINAL R.R. YARDS

DETROIT TERMINAL R.R.



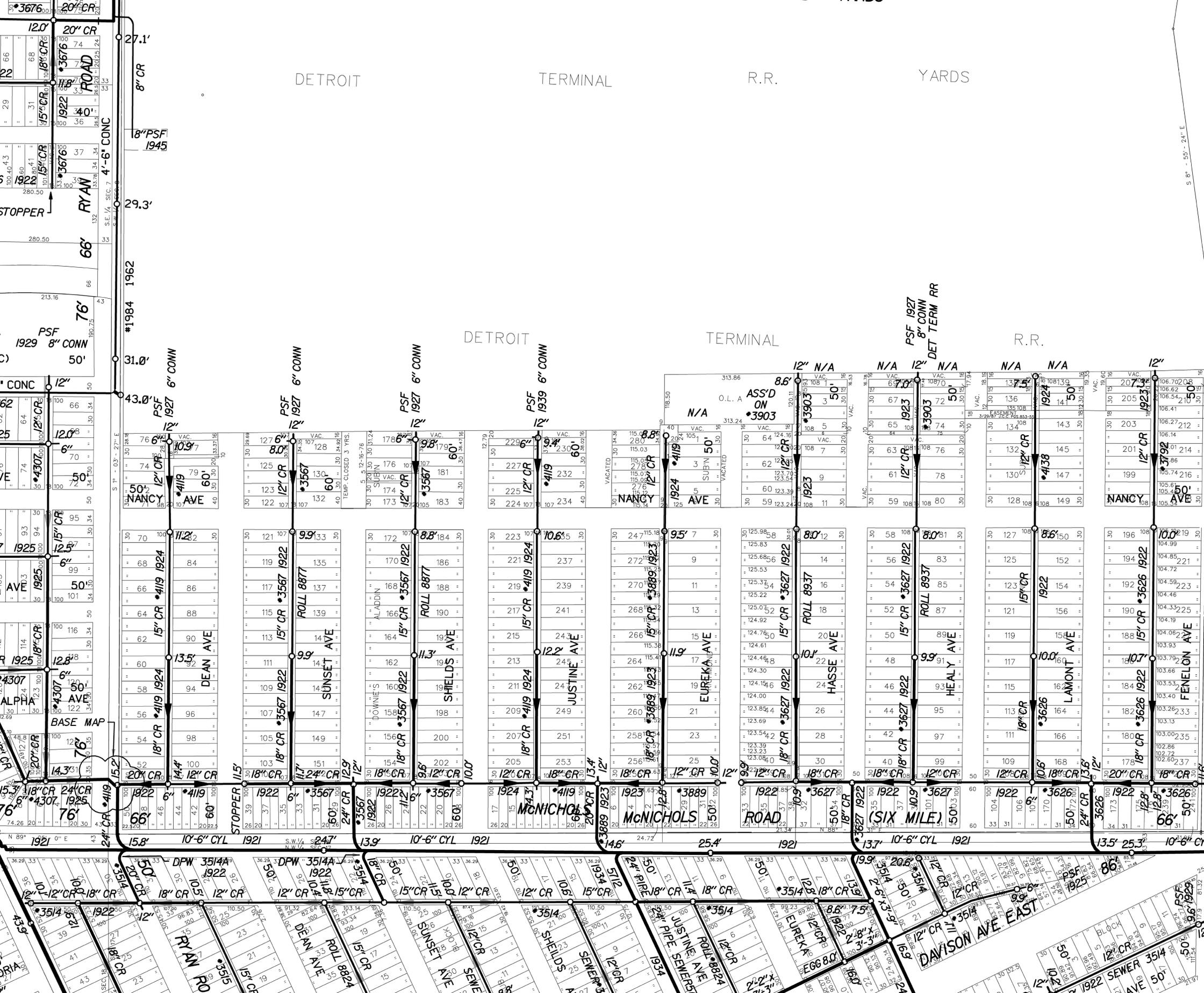
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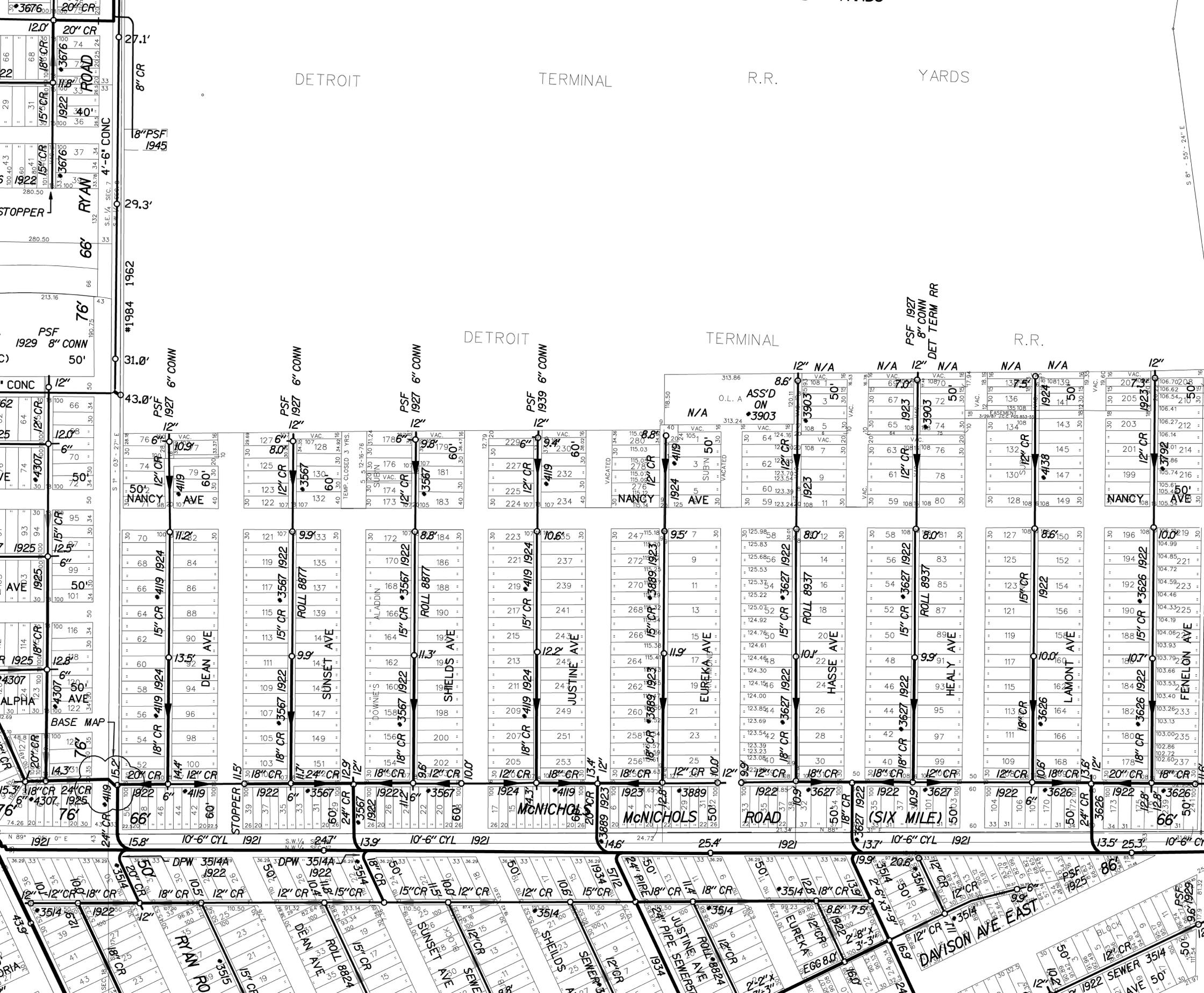
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DETROIT TERMINAL R.R.



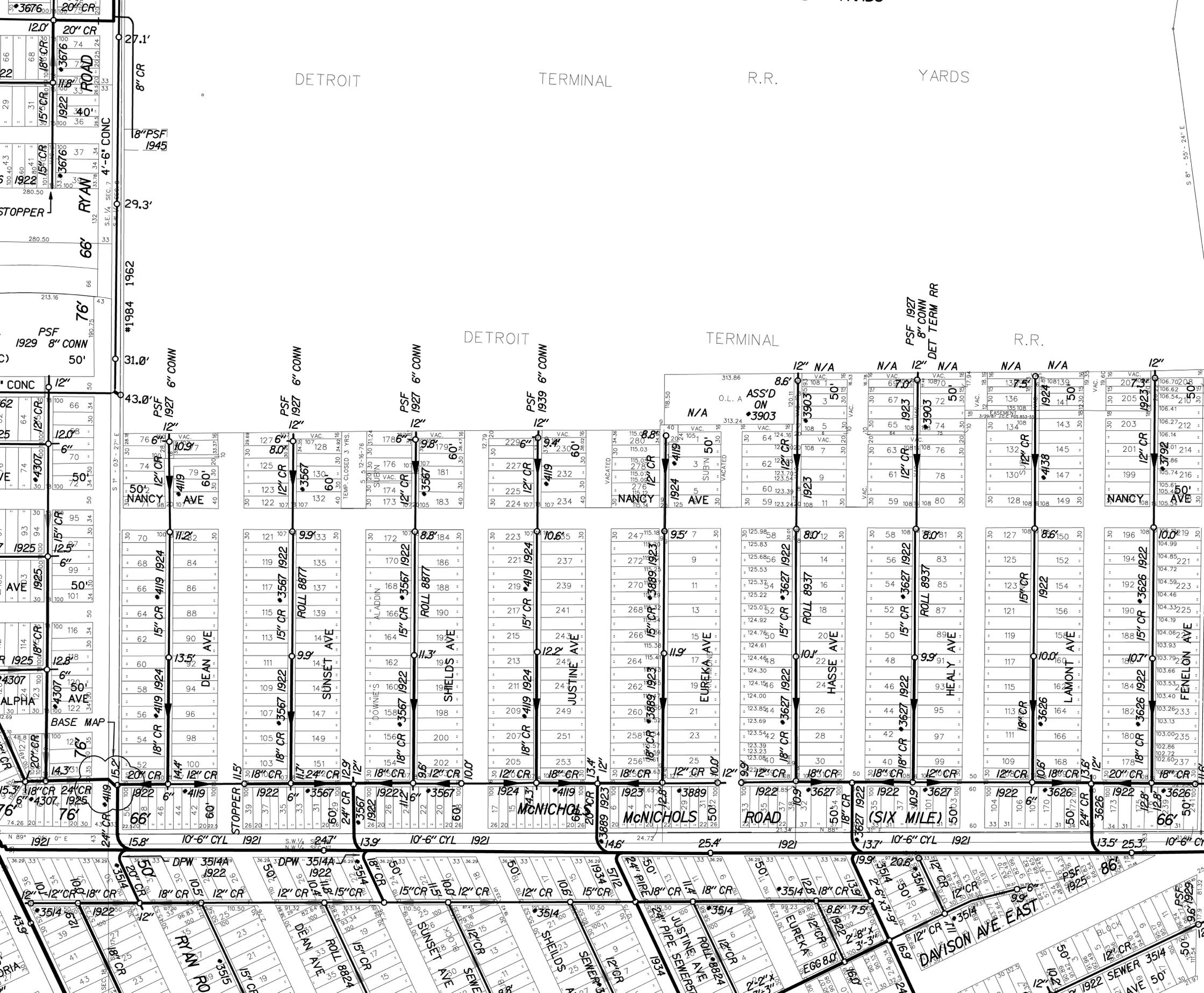
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DETROIT TERMINAL R.R.



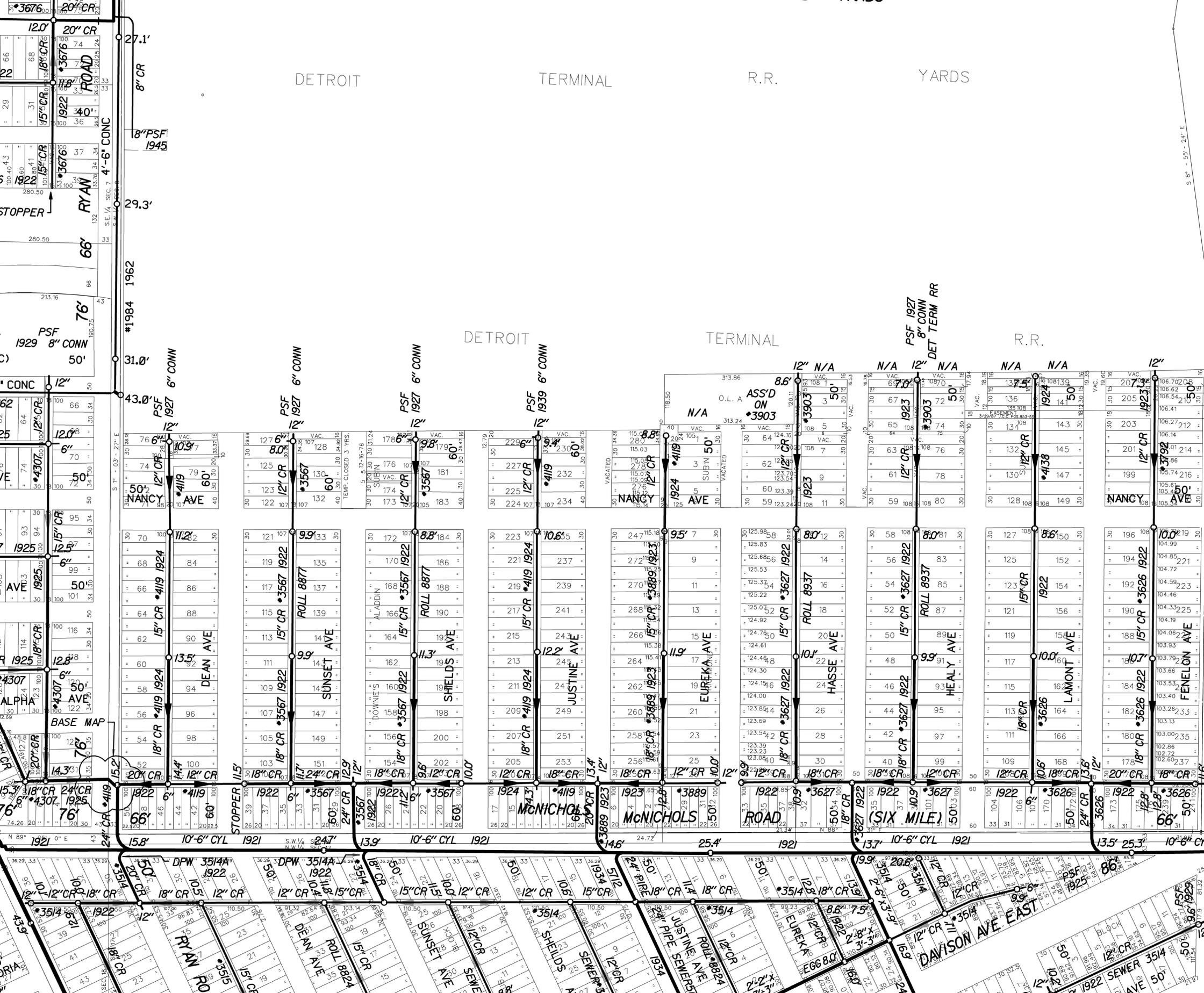
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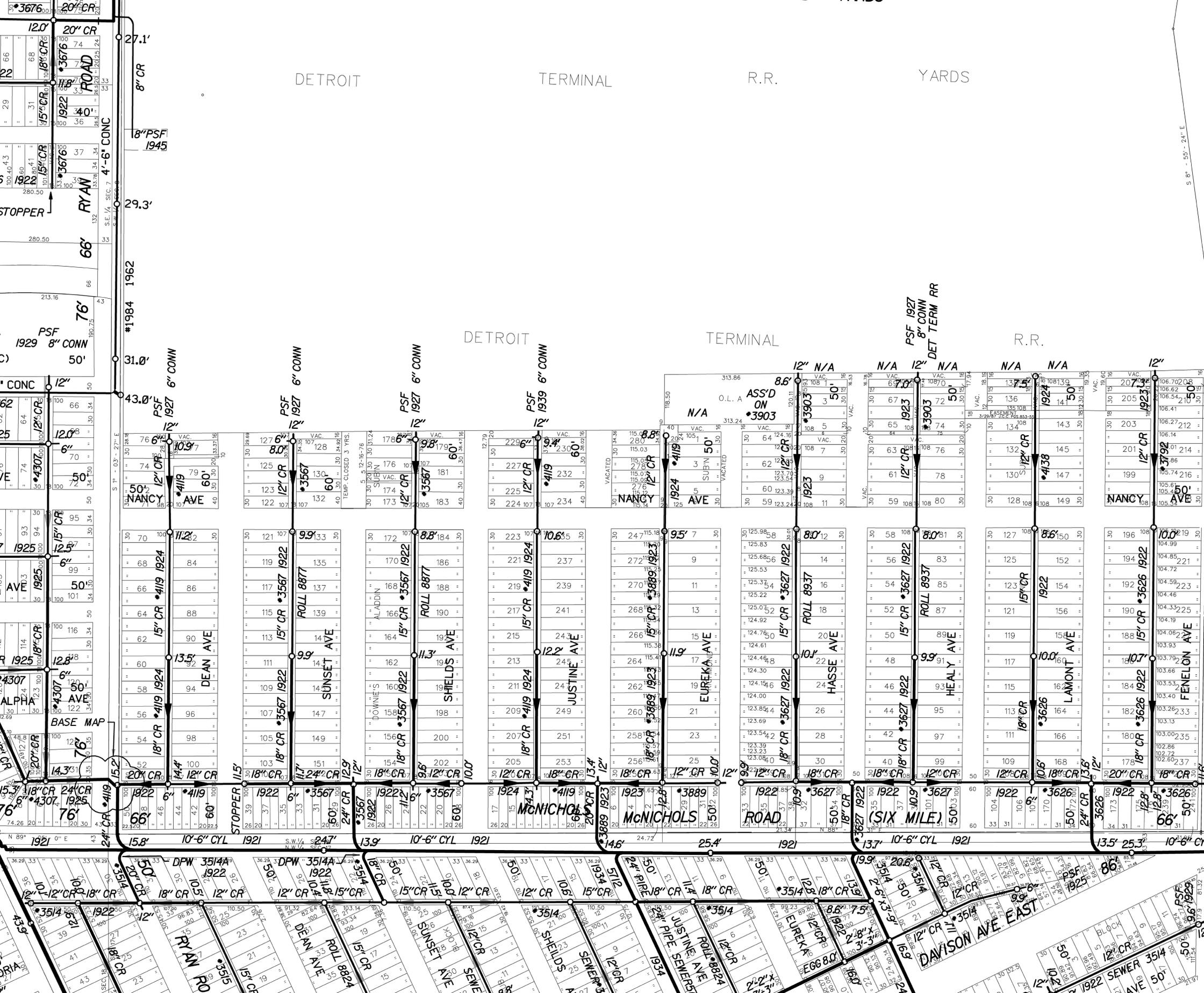
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DETROIT TERMINAL R.R.



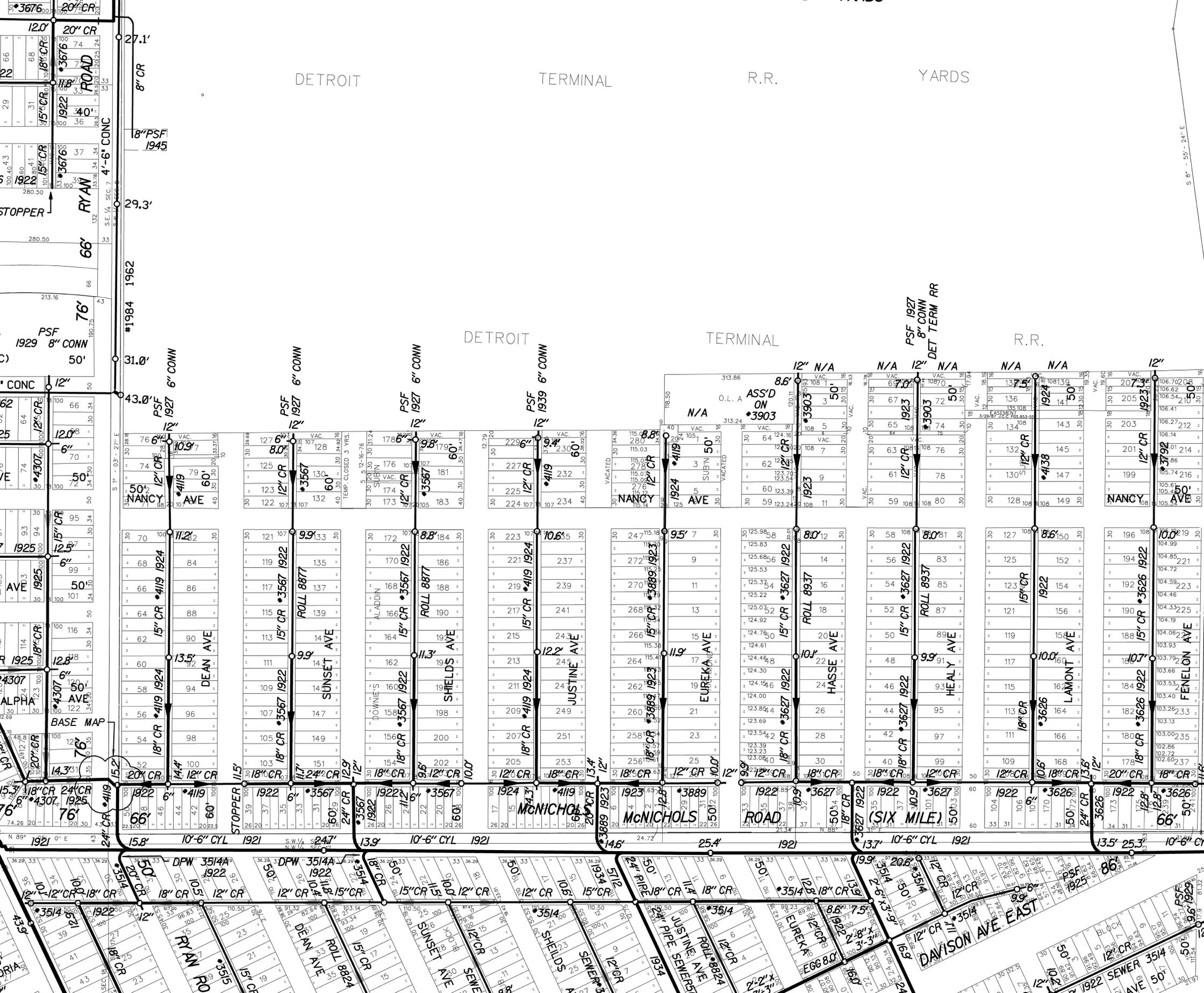
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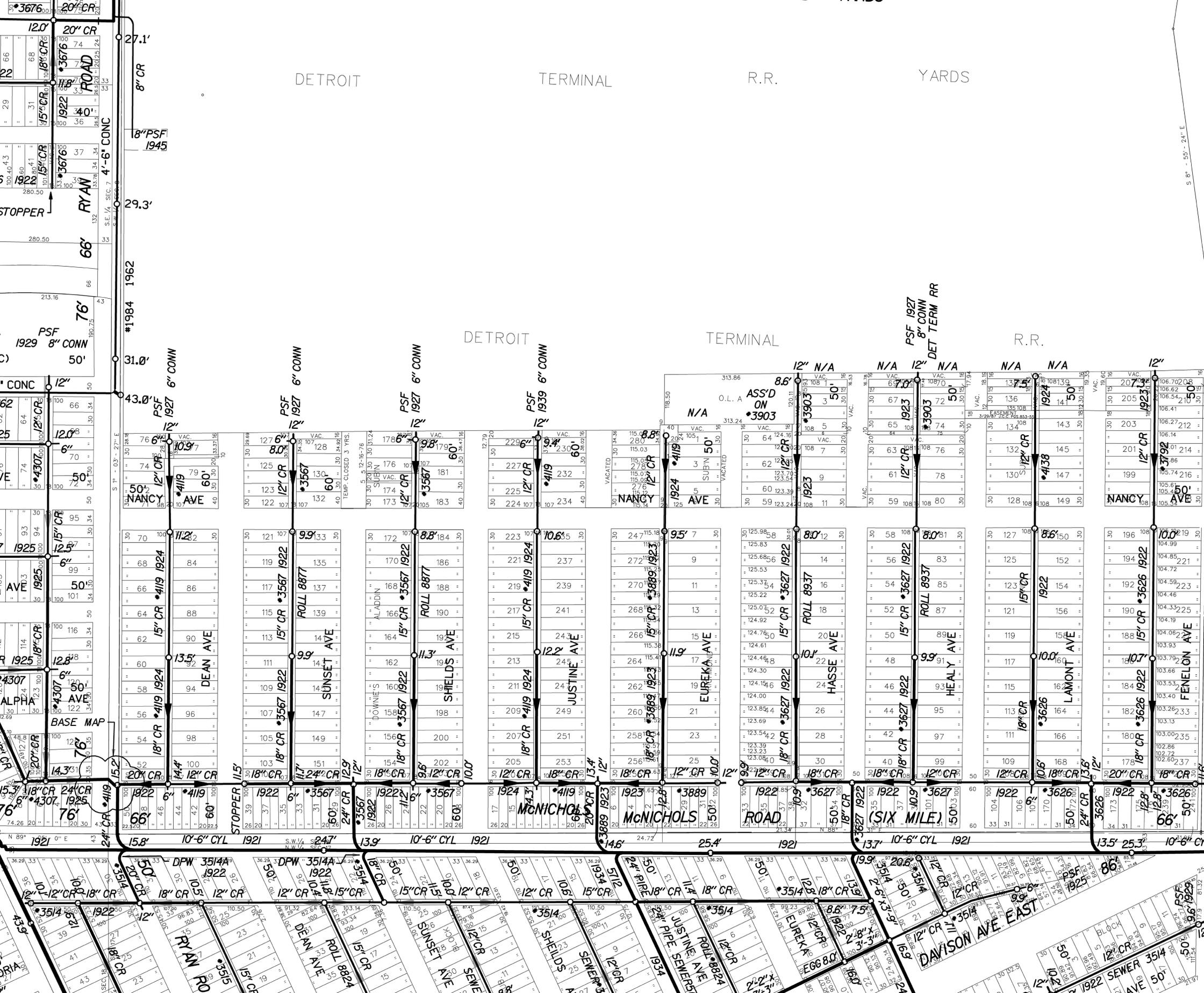
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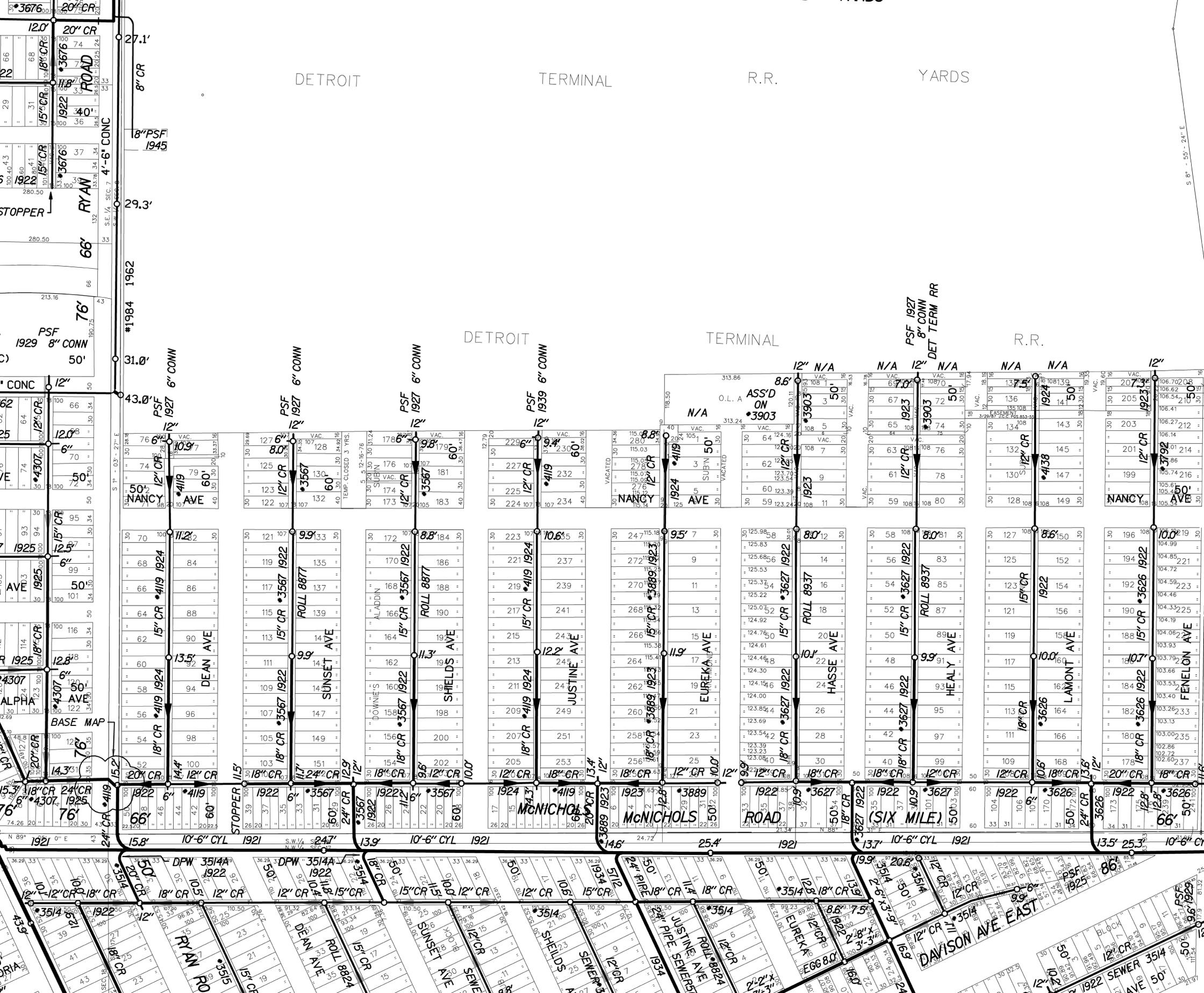
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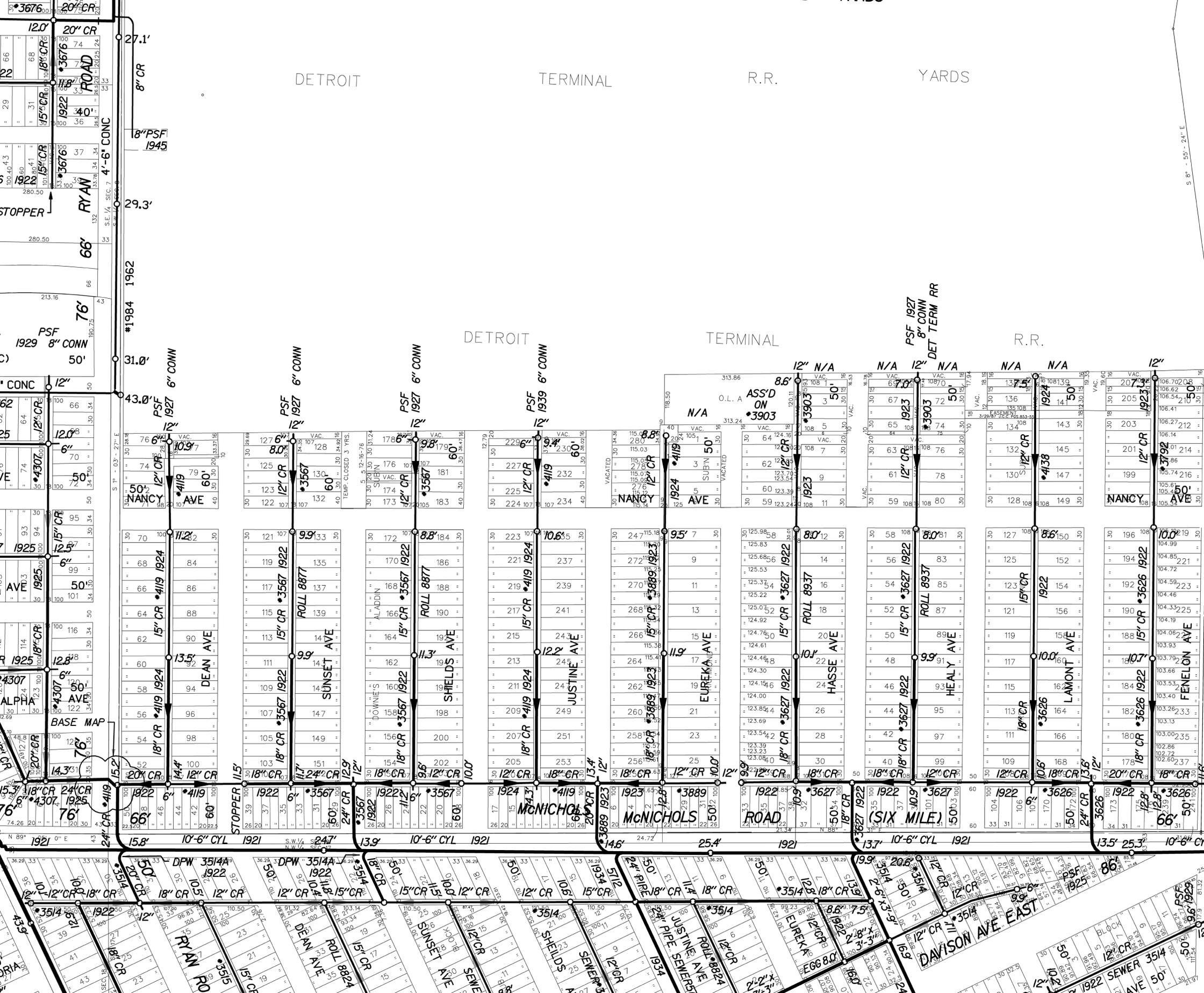
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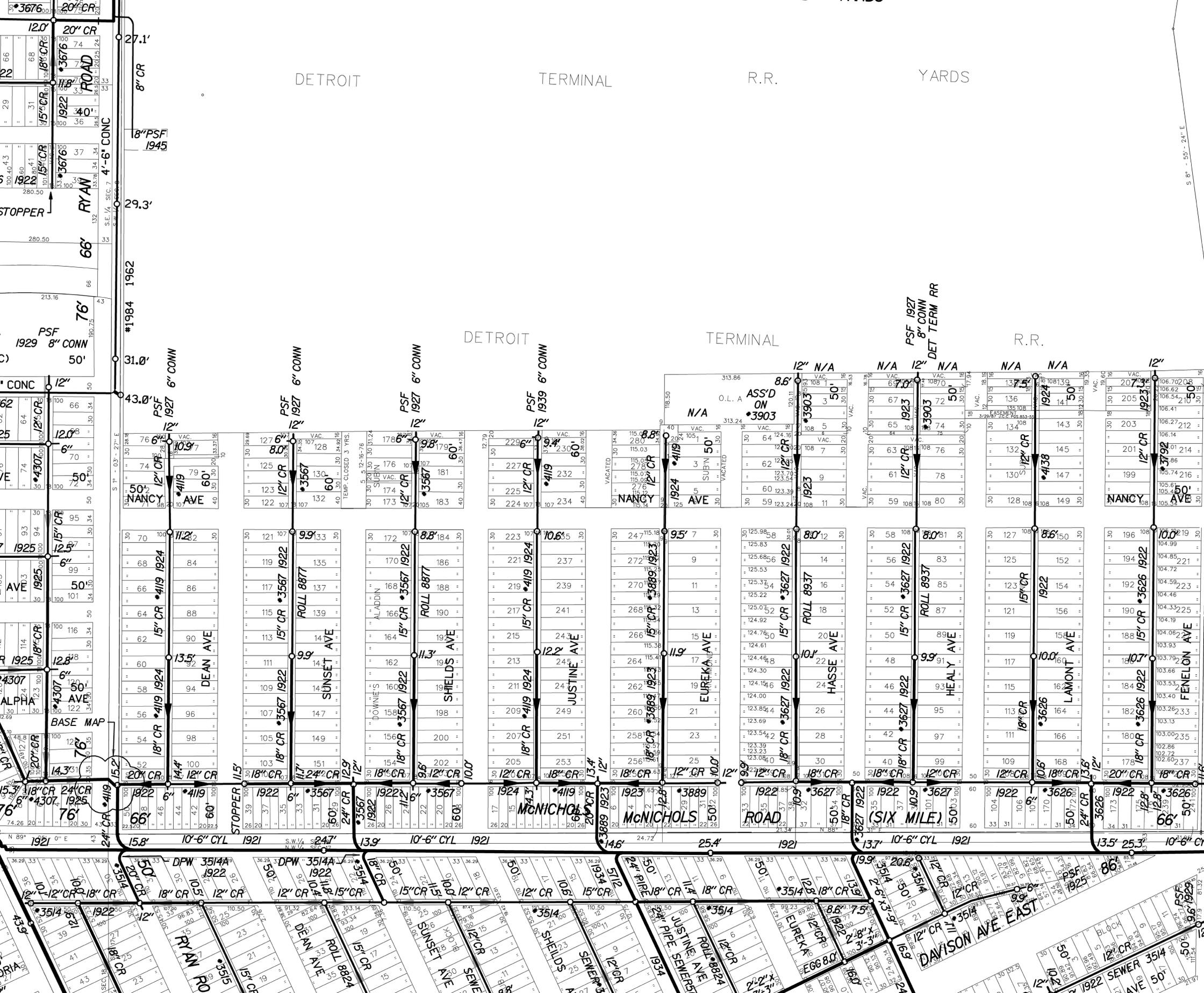
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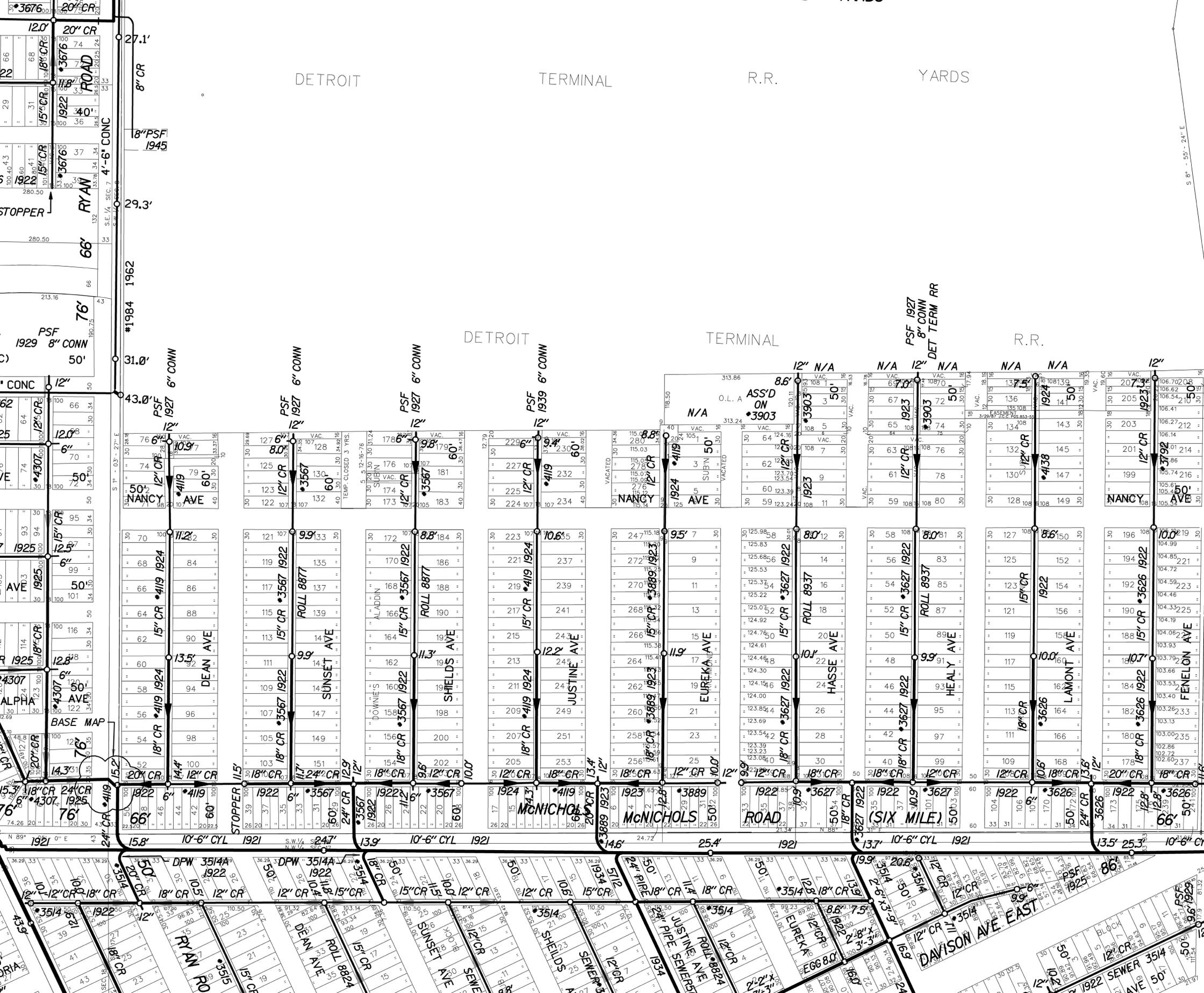
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DETROIT TERMINAL R.R.



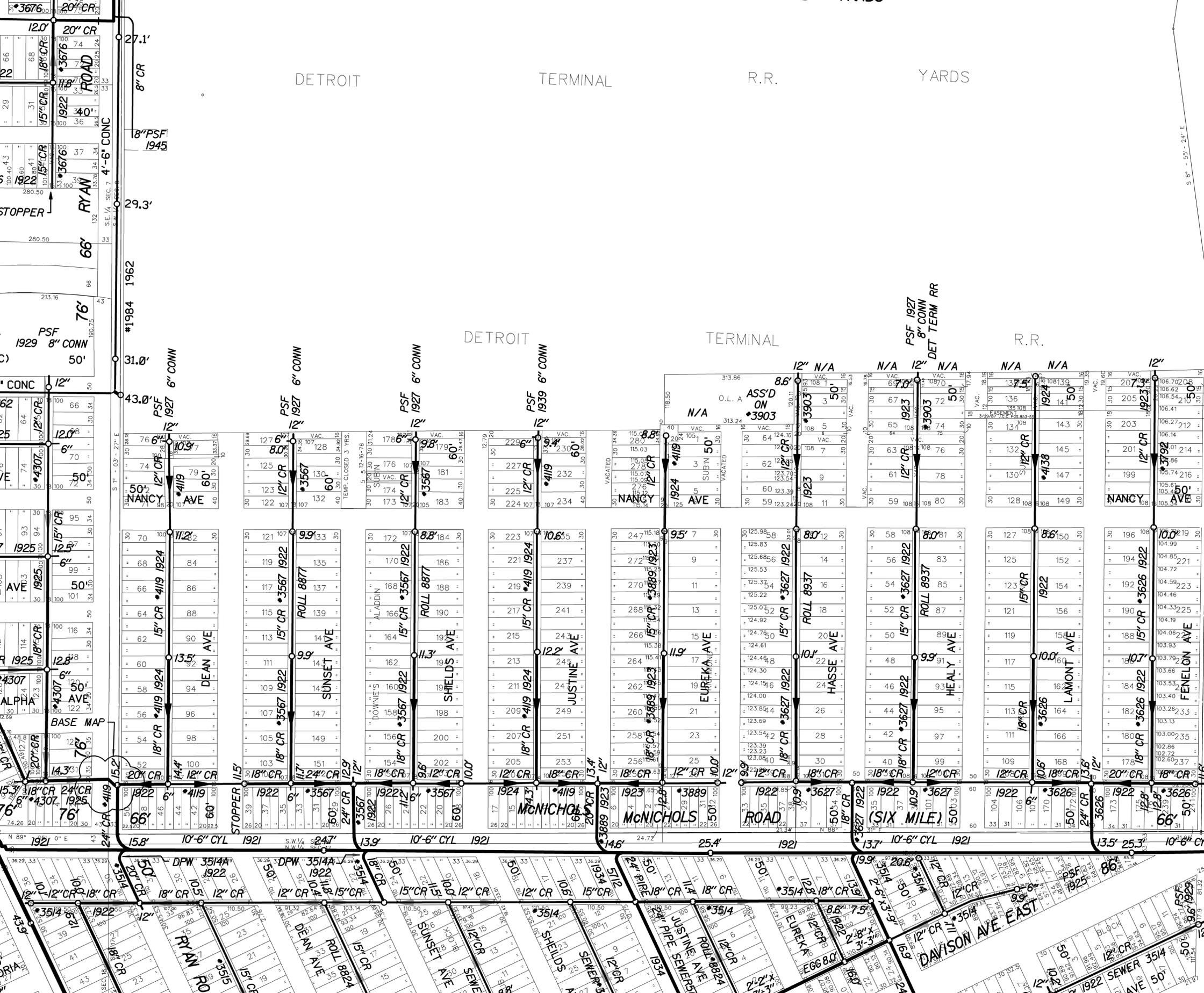
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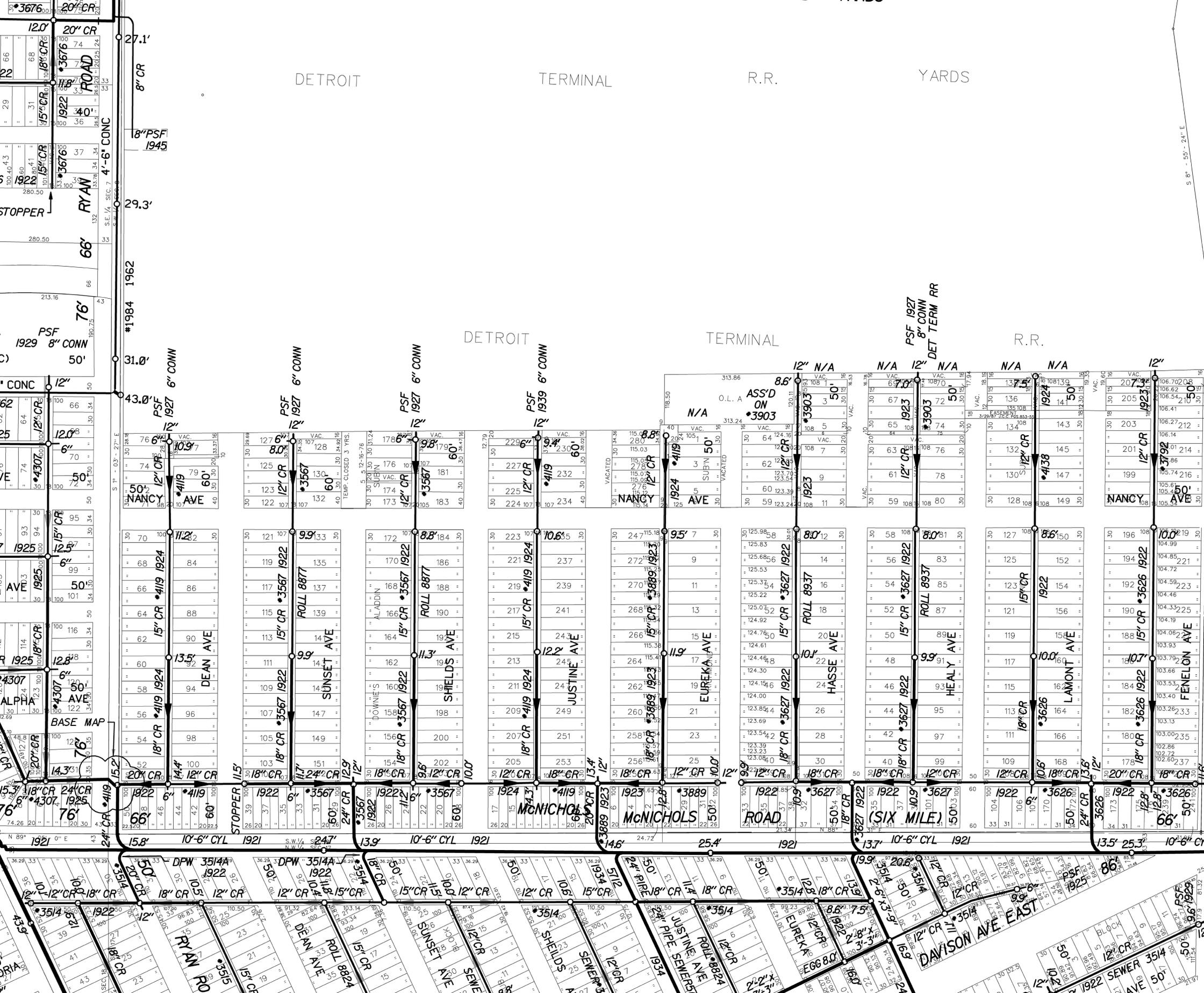
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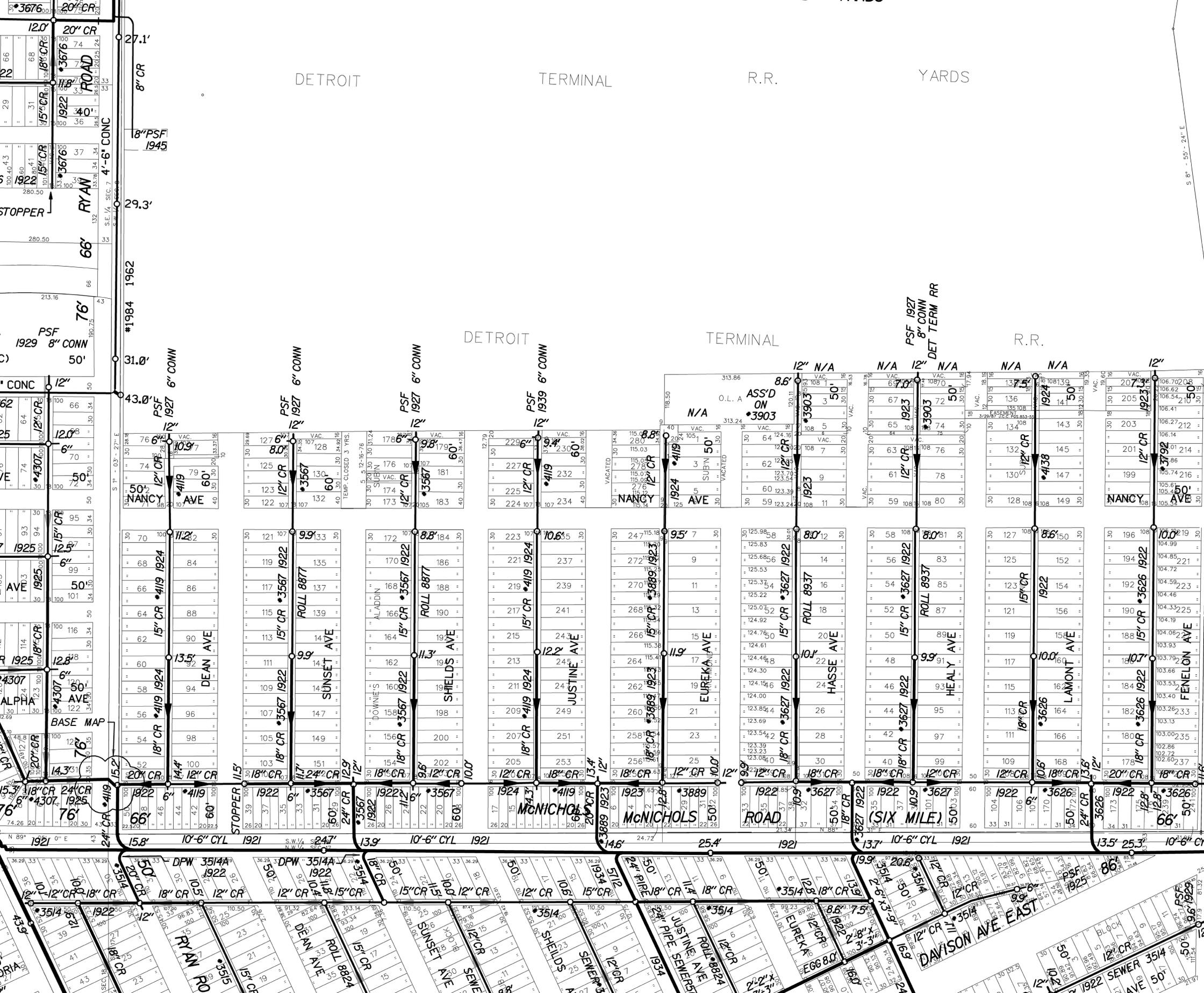
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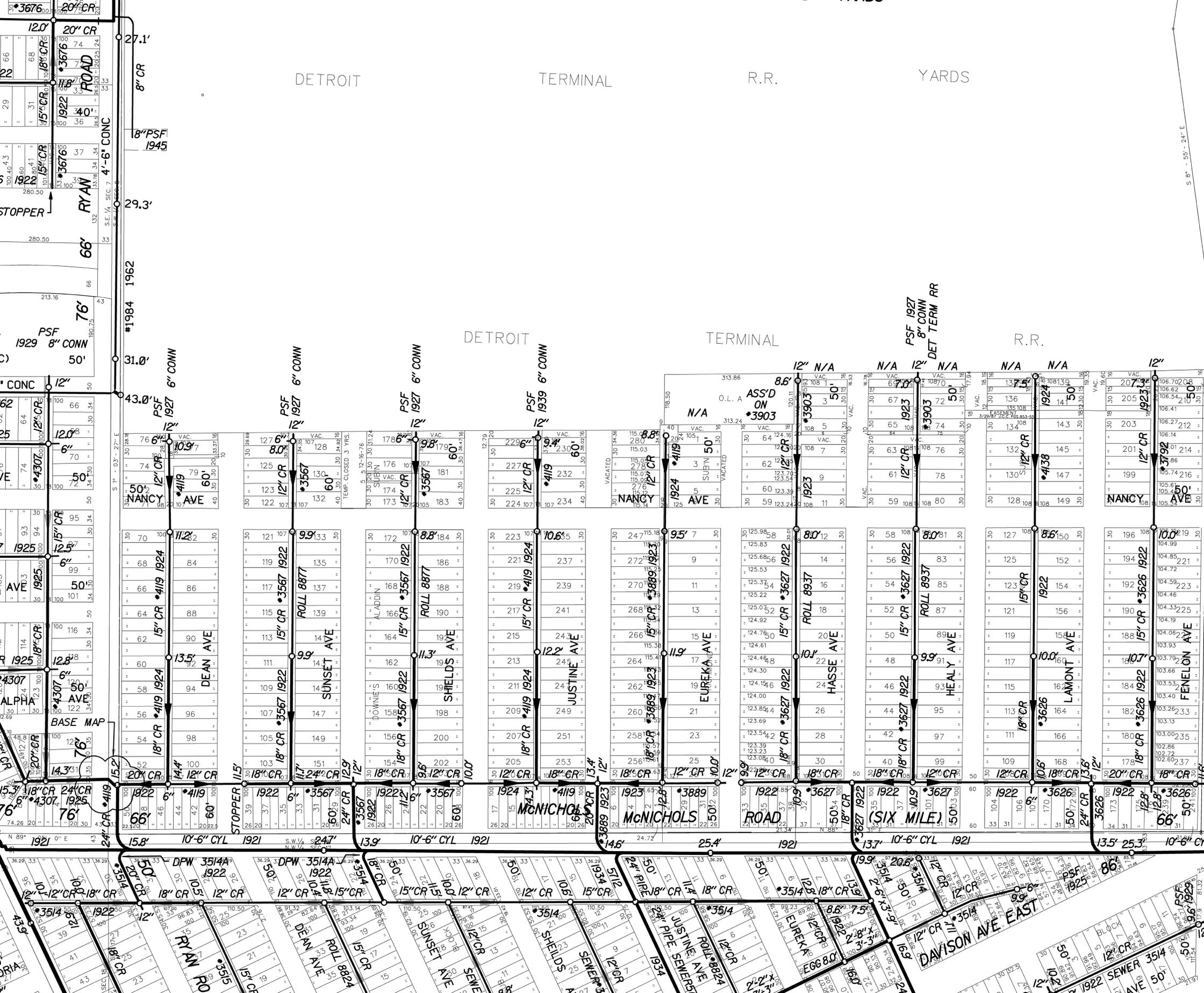
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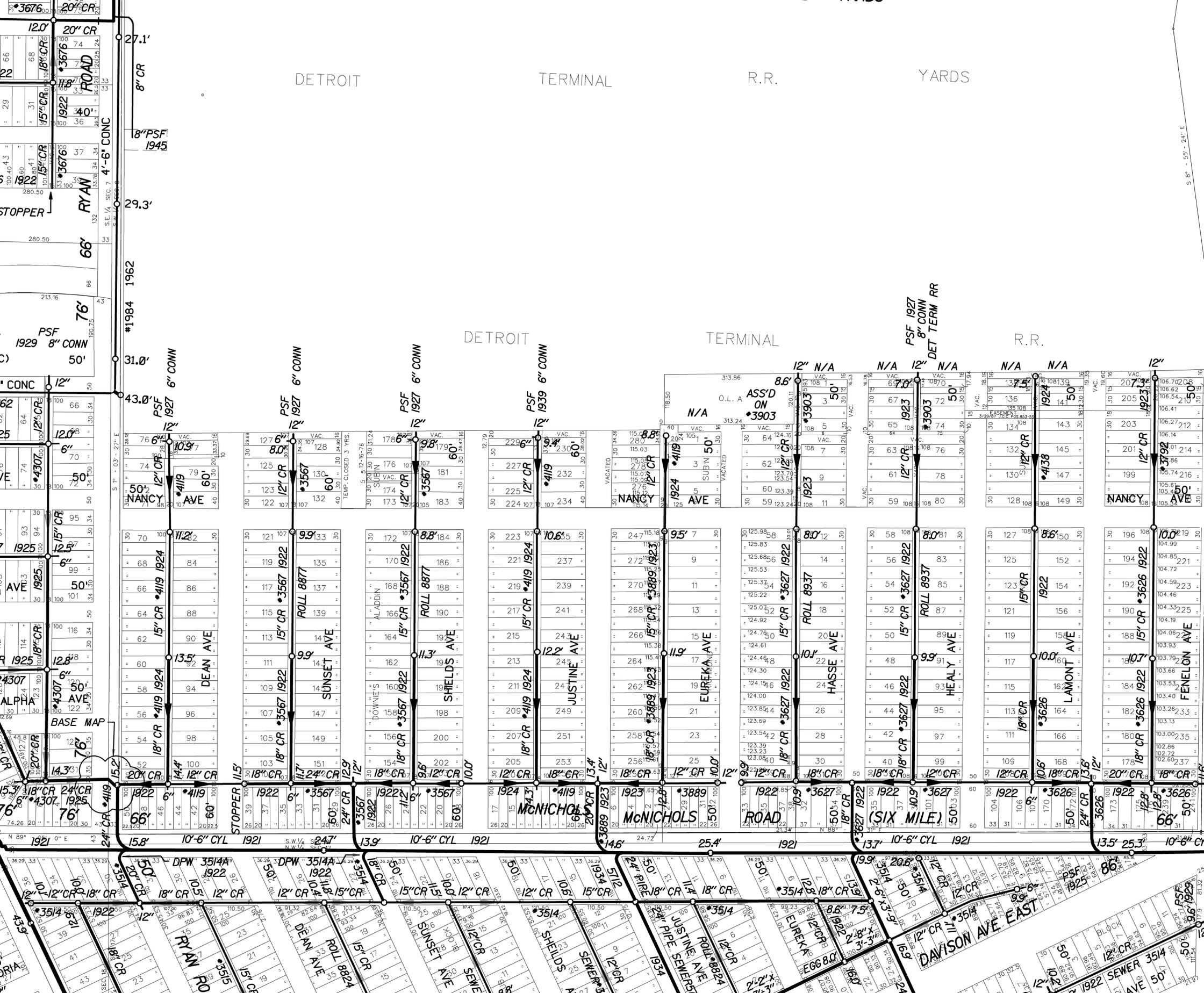
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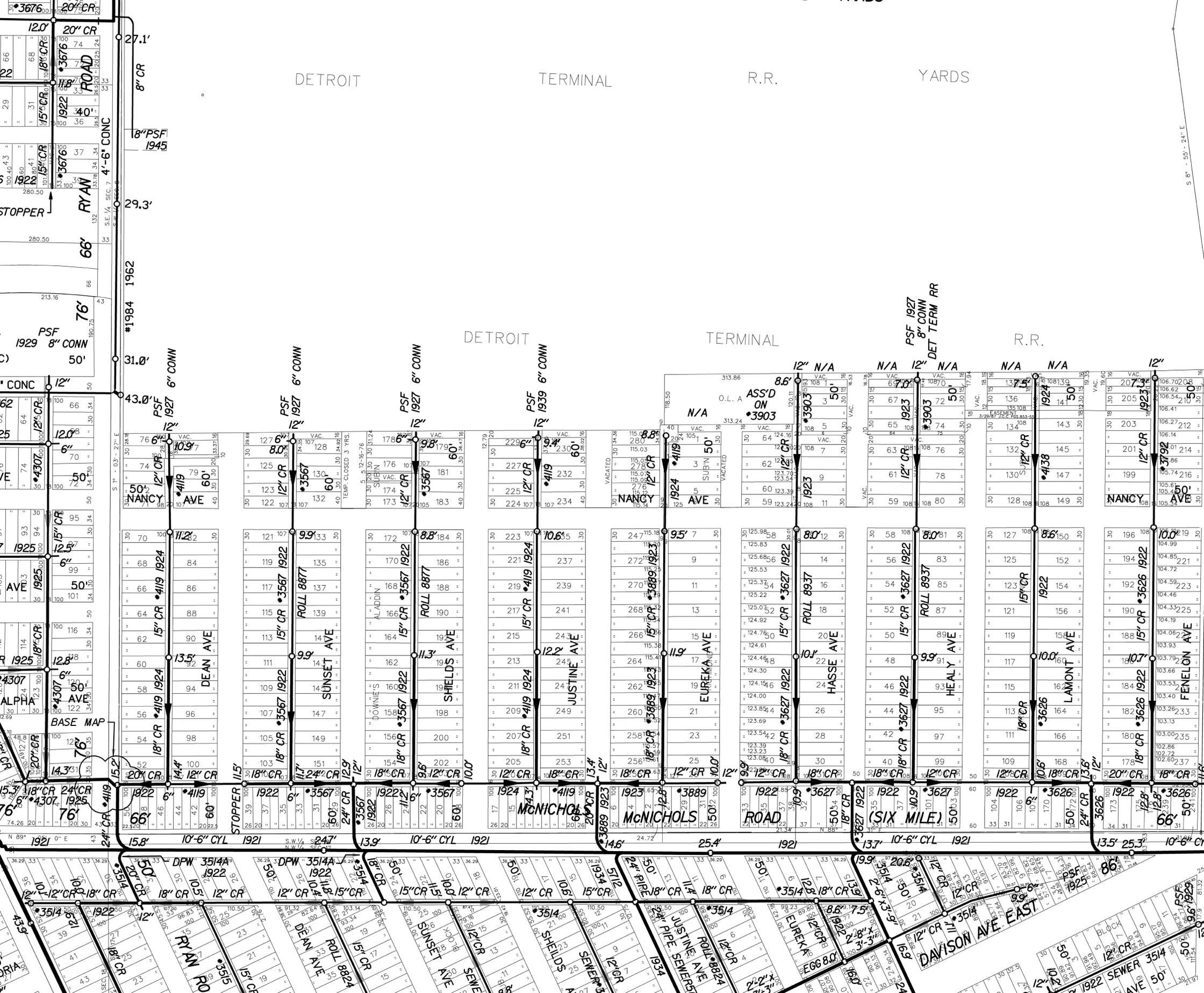
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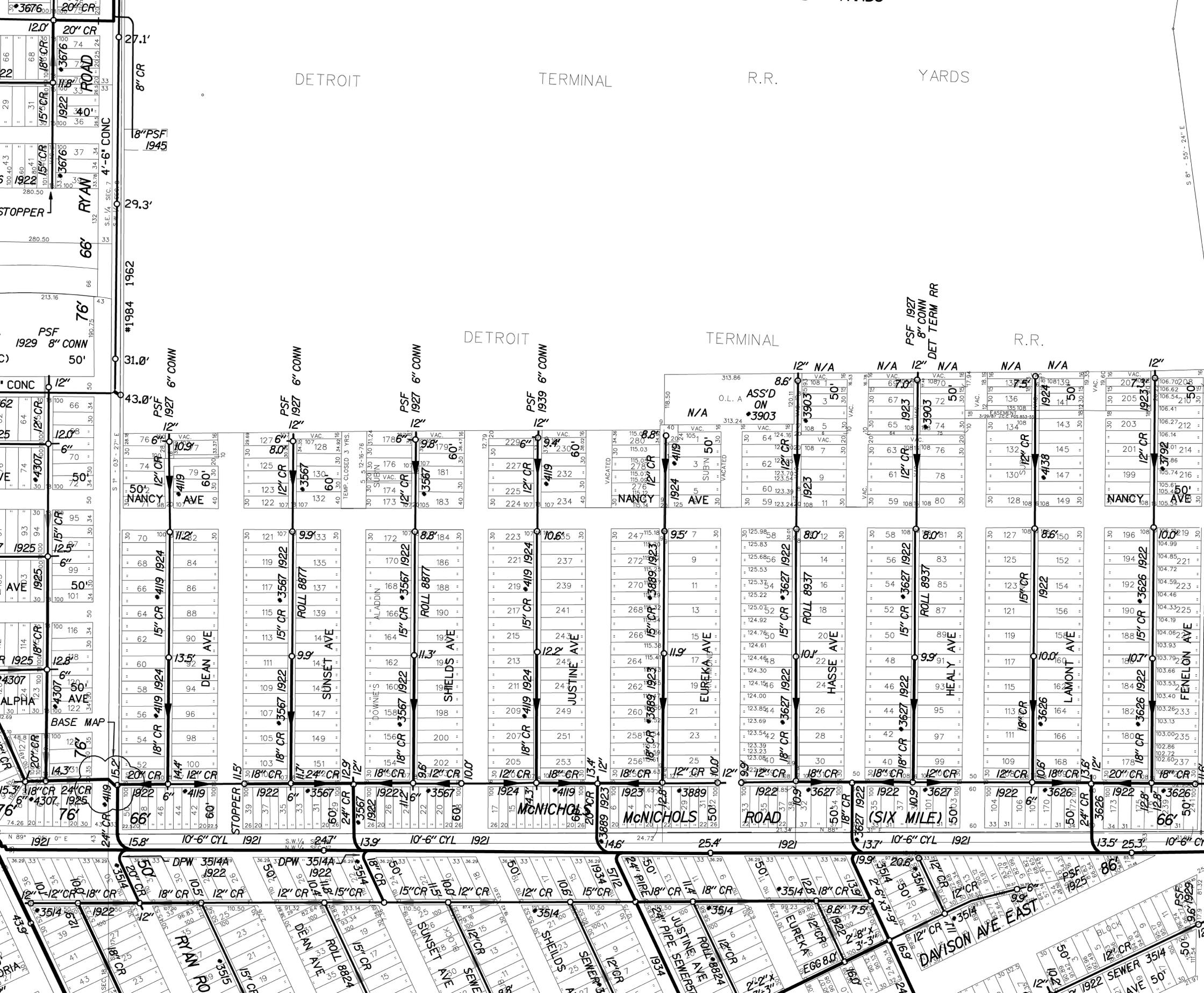
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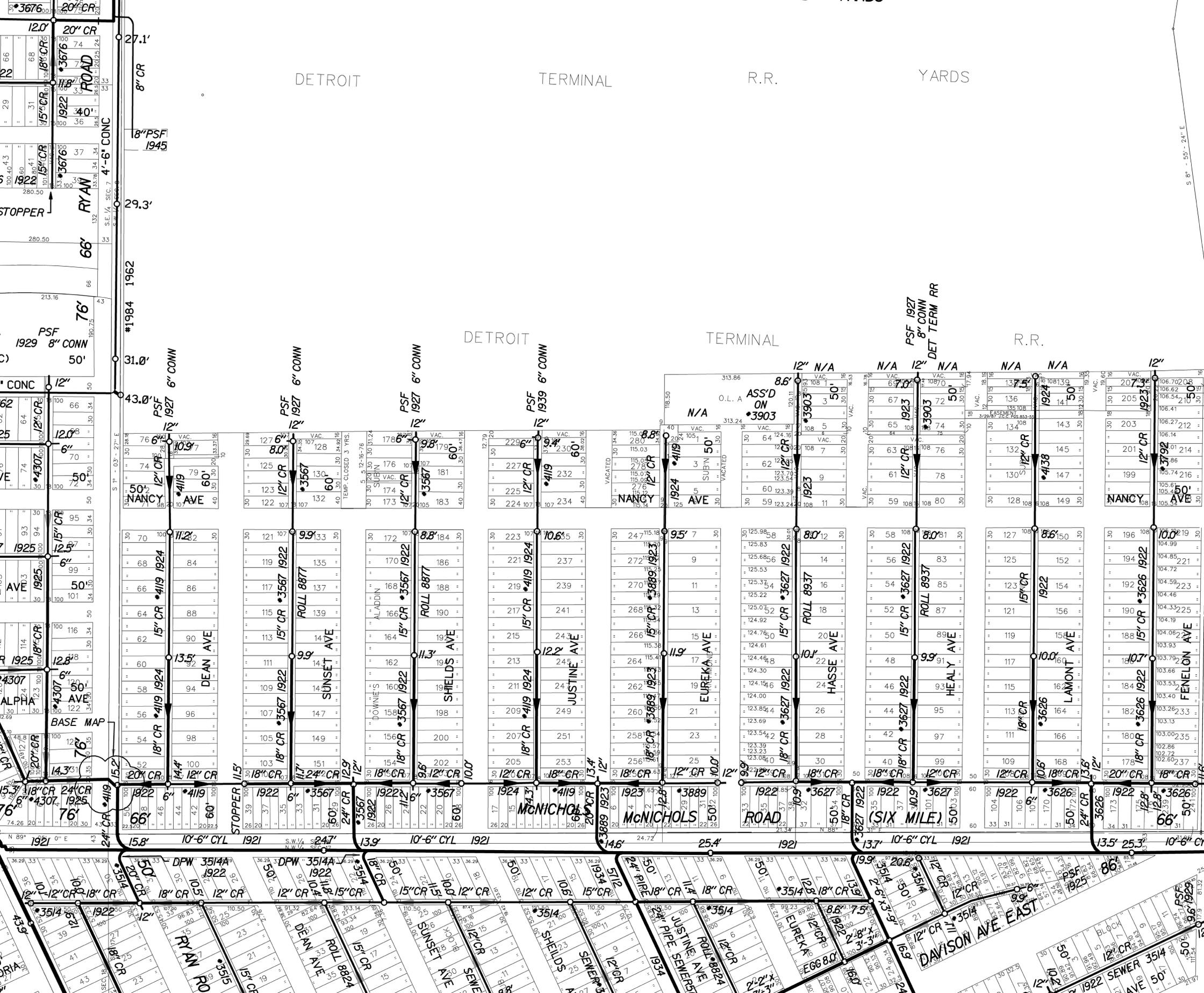
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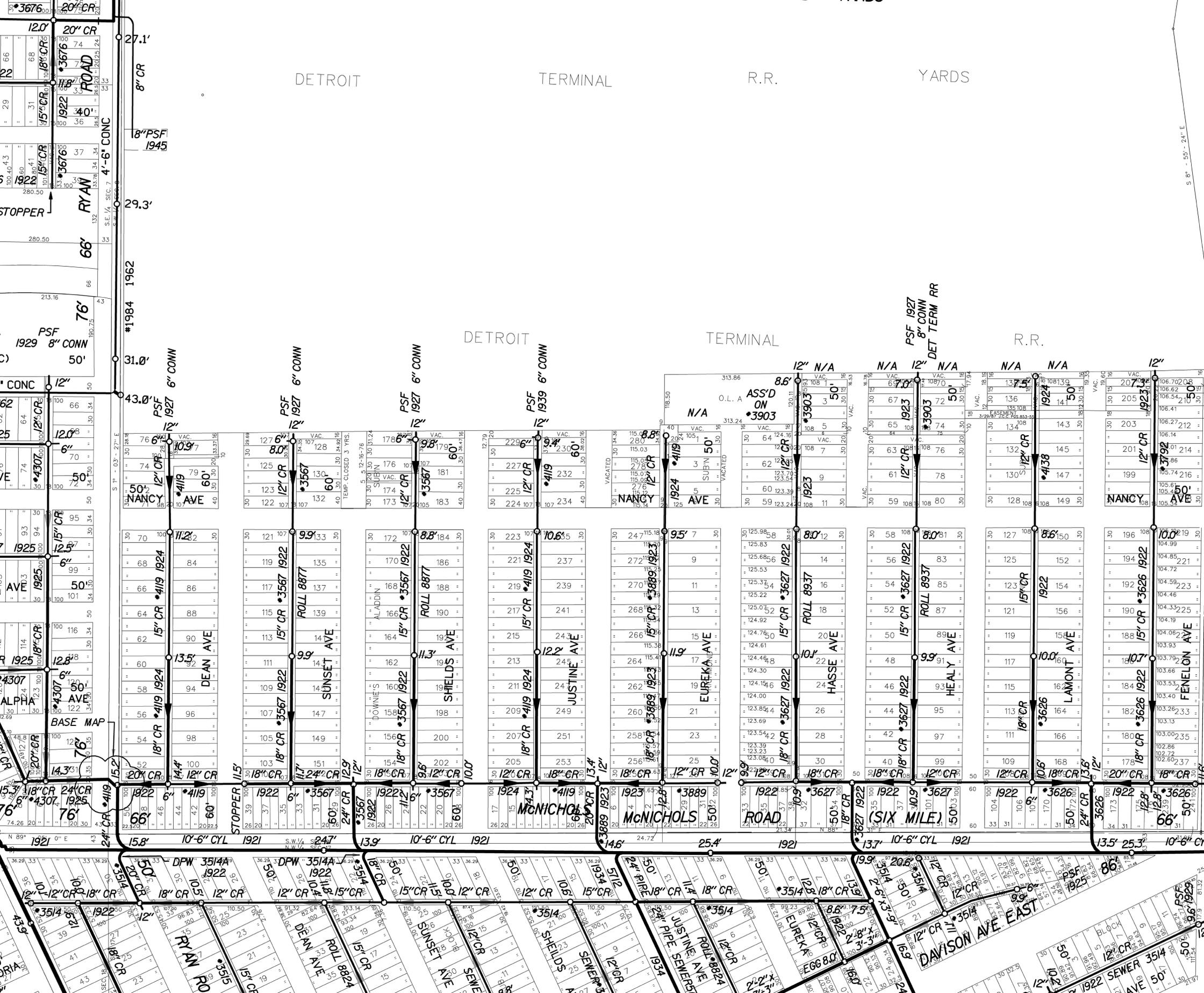
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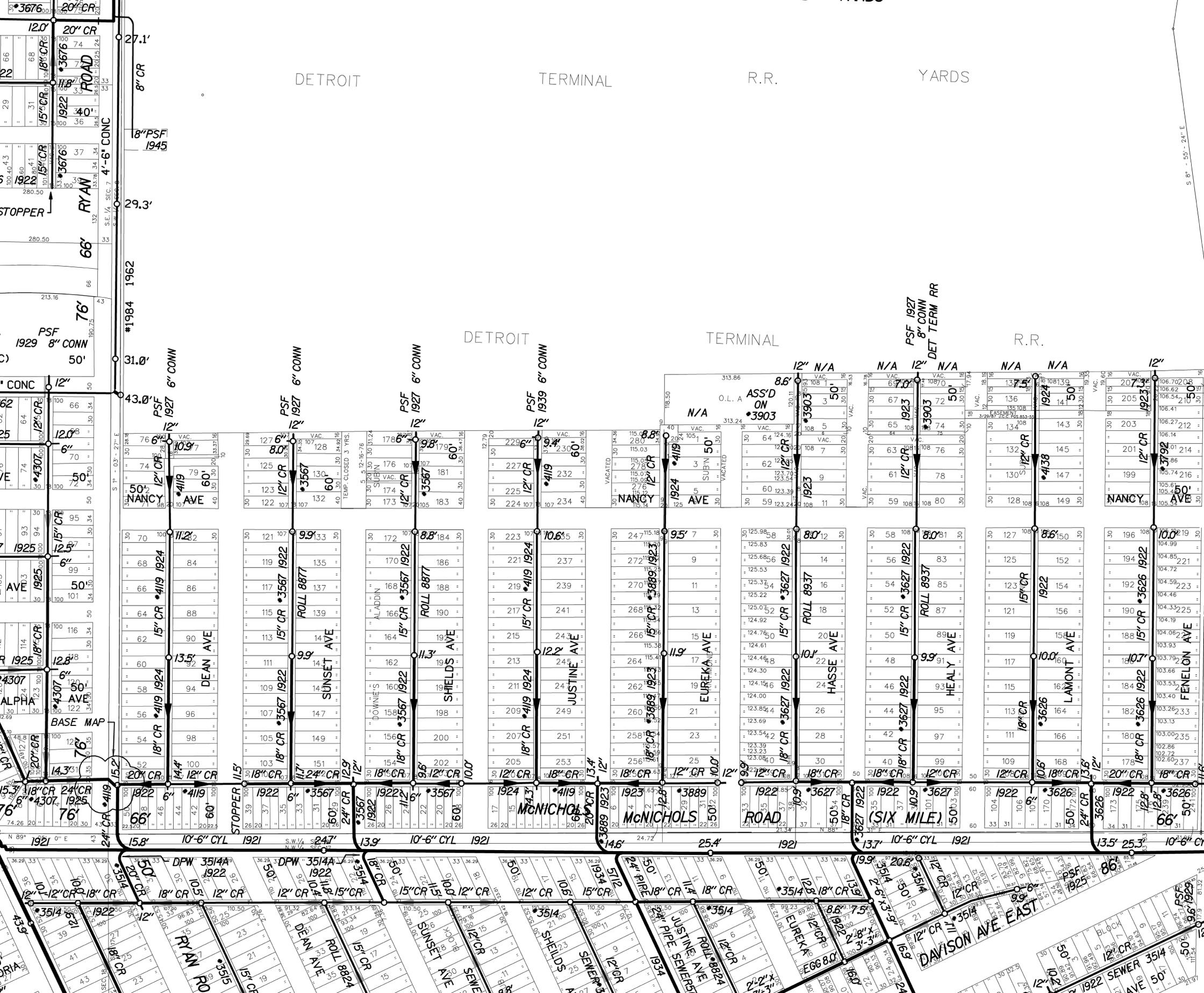
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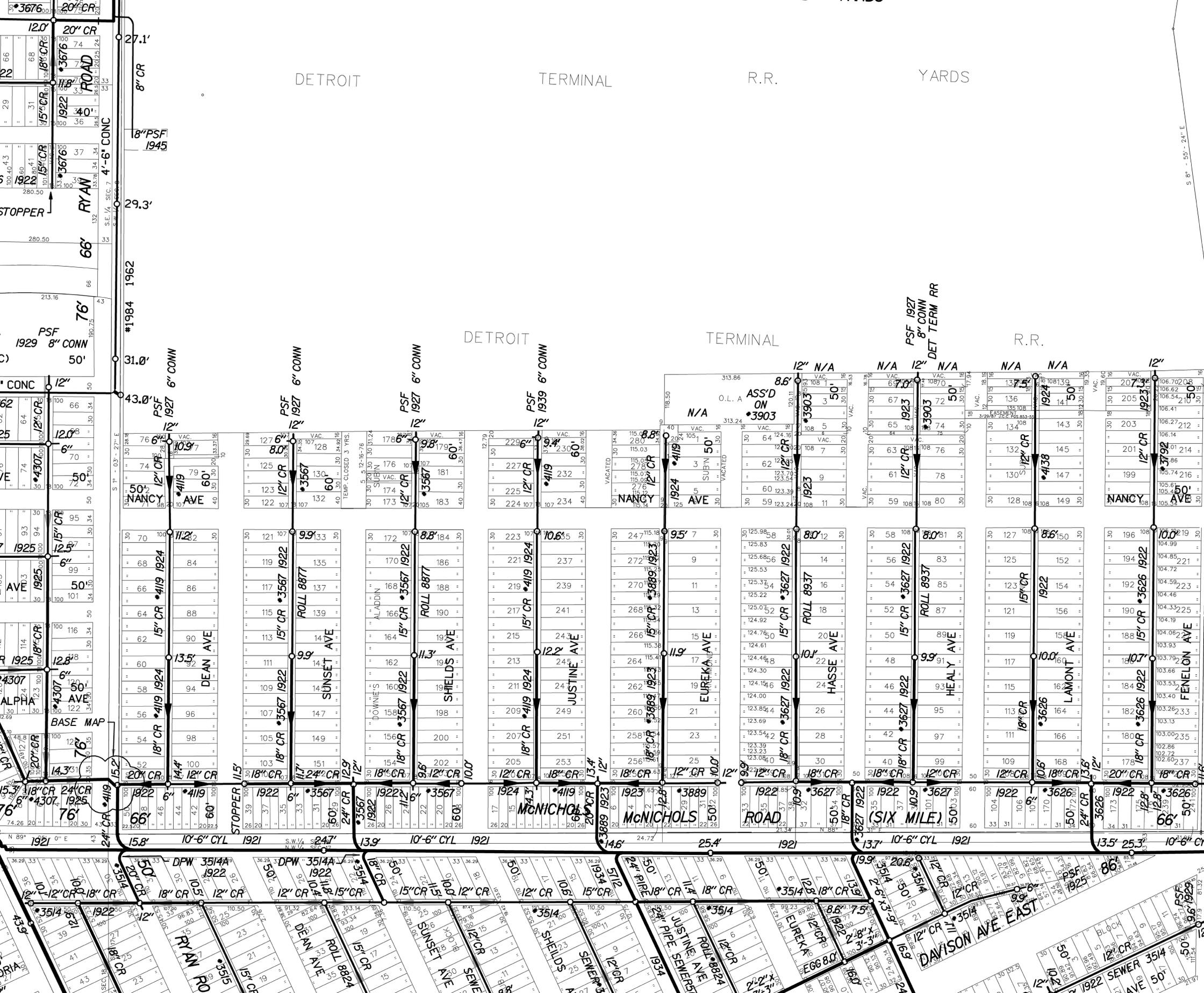
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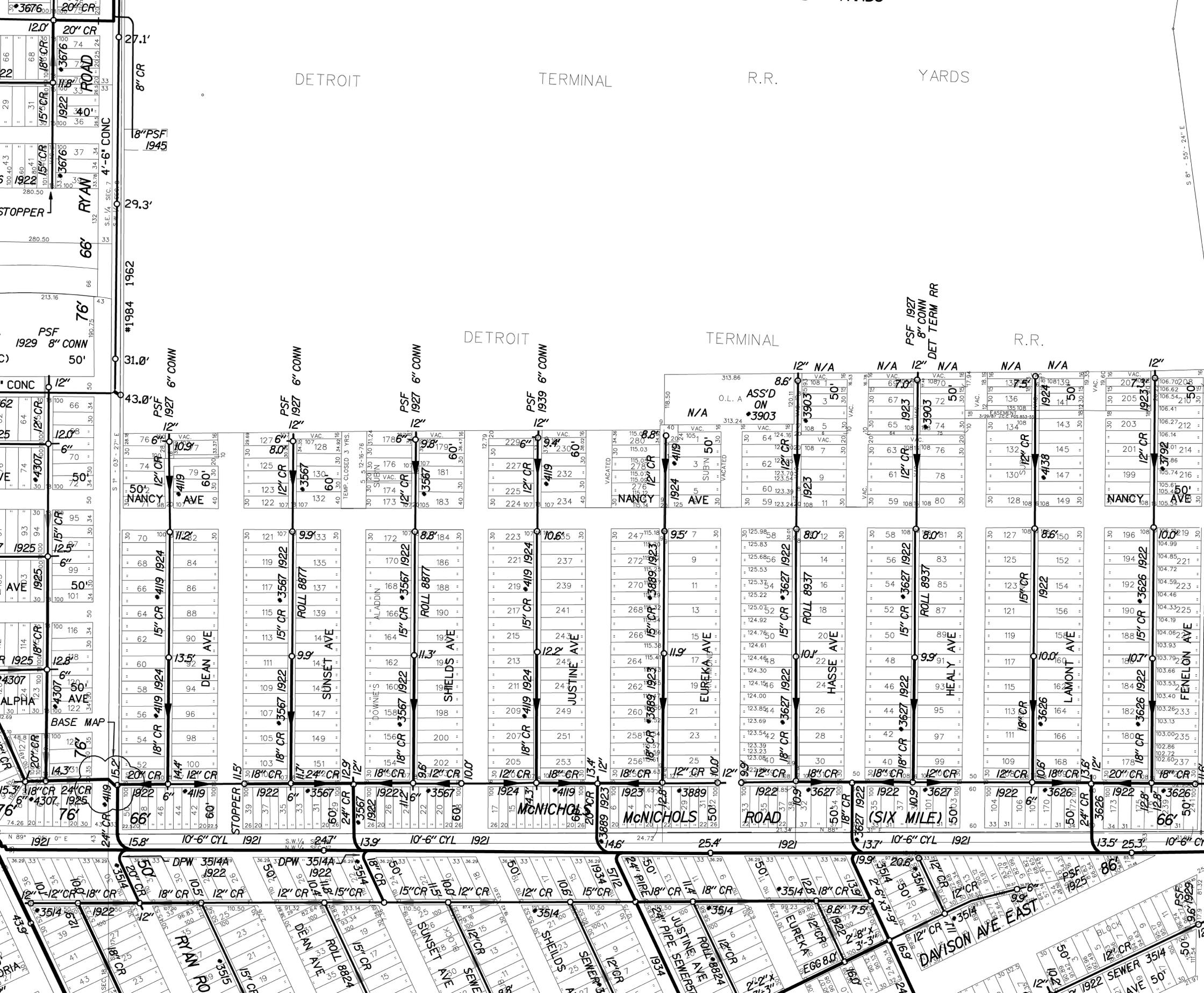
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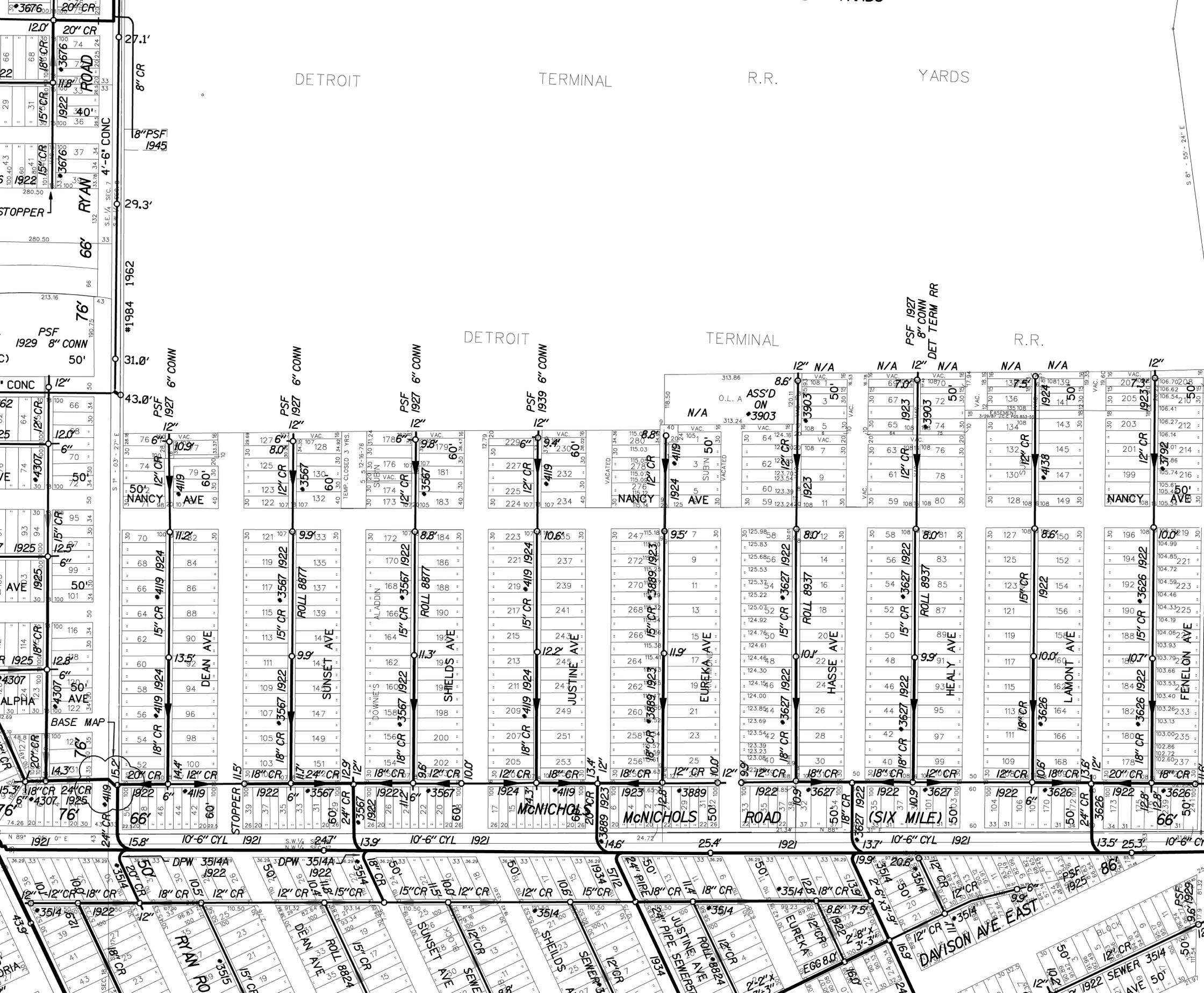
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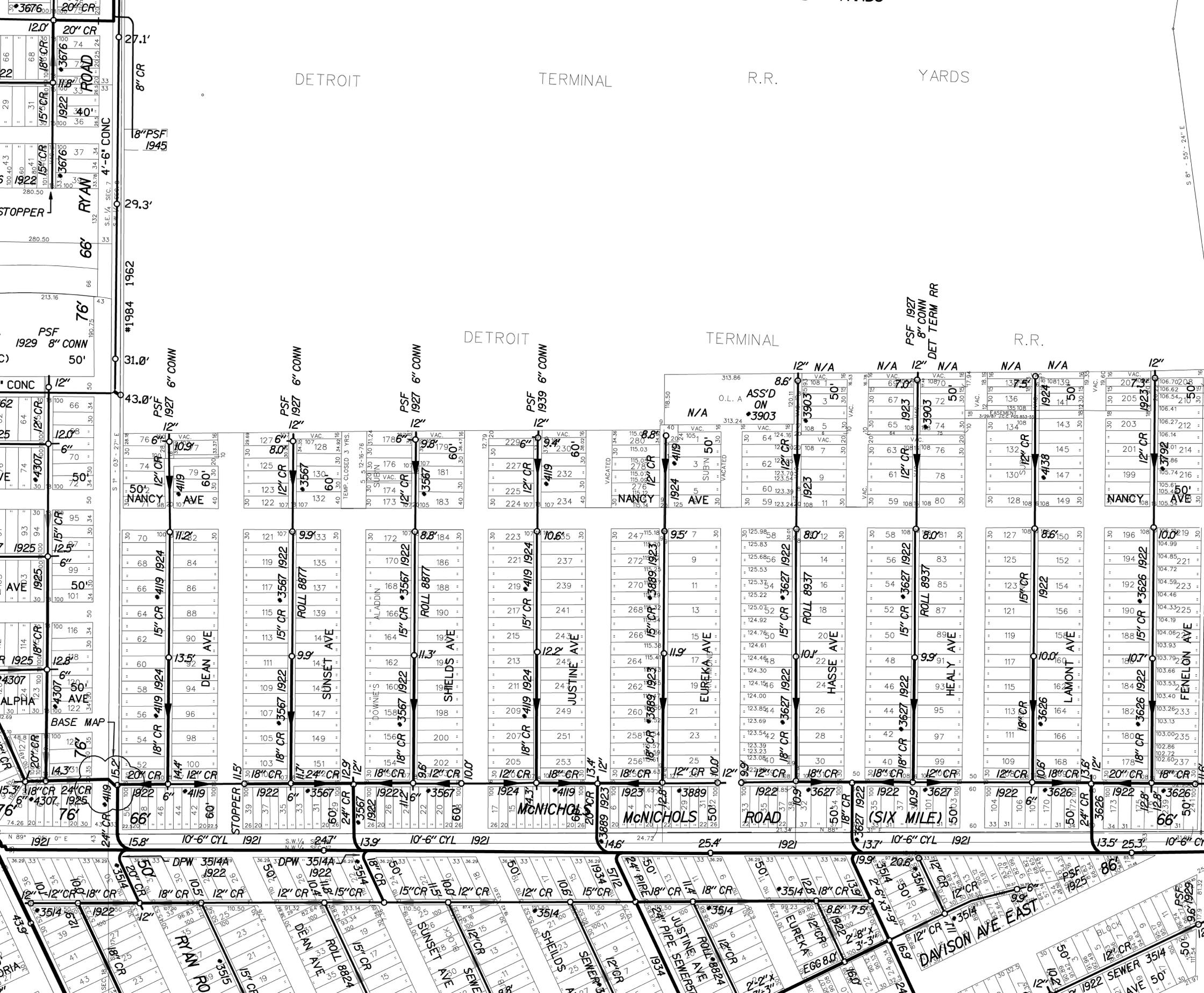
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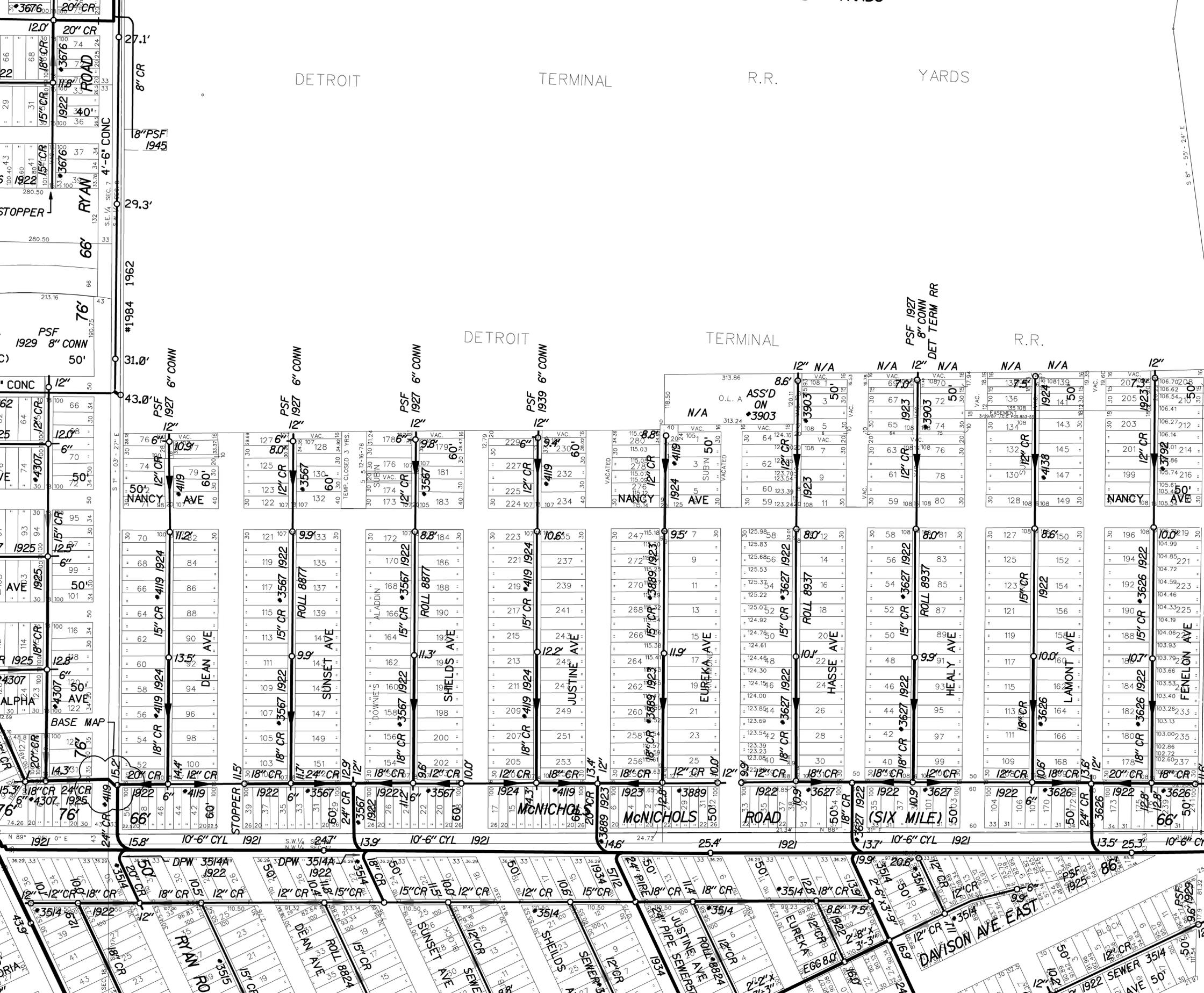
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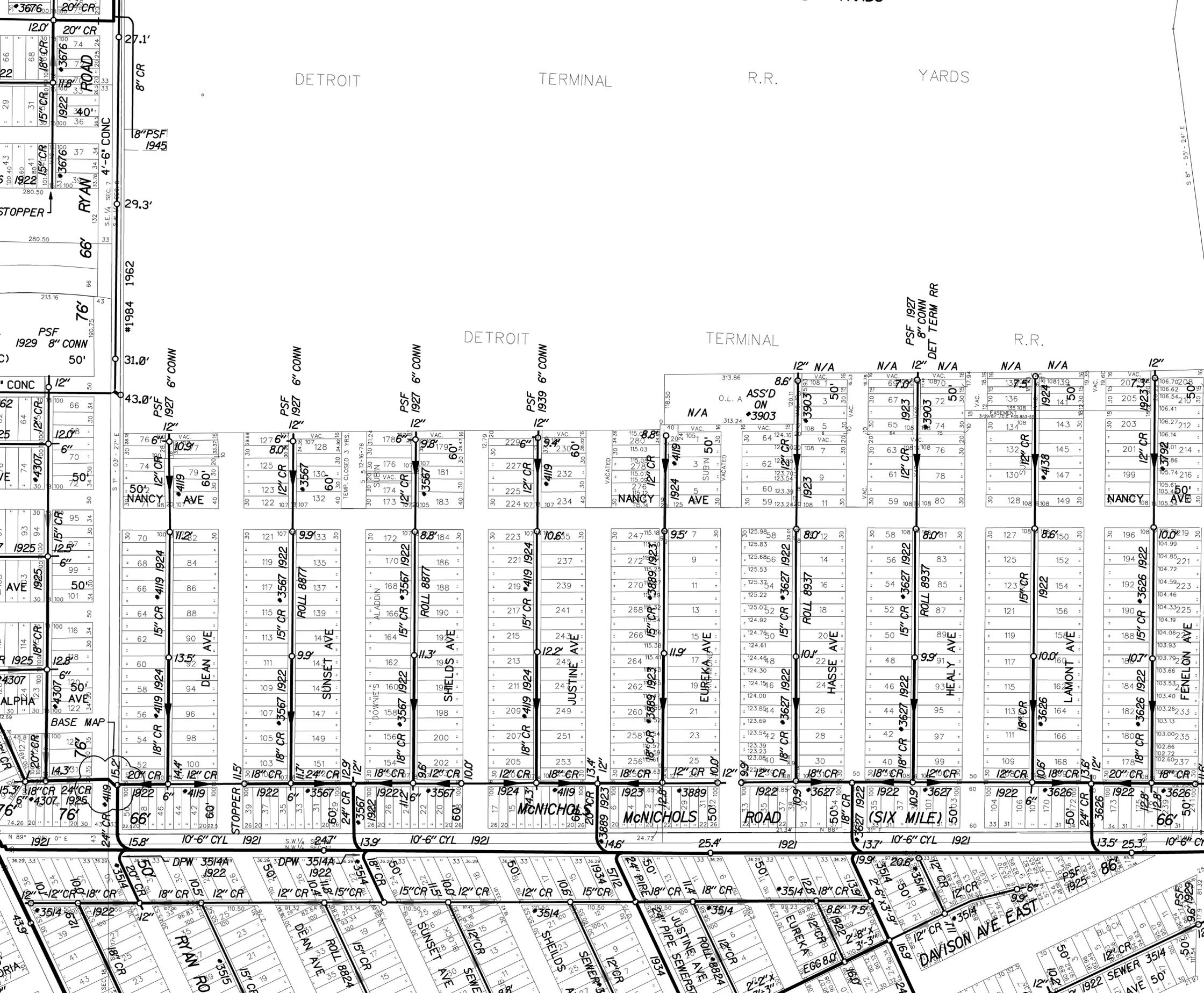
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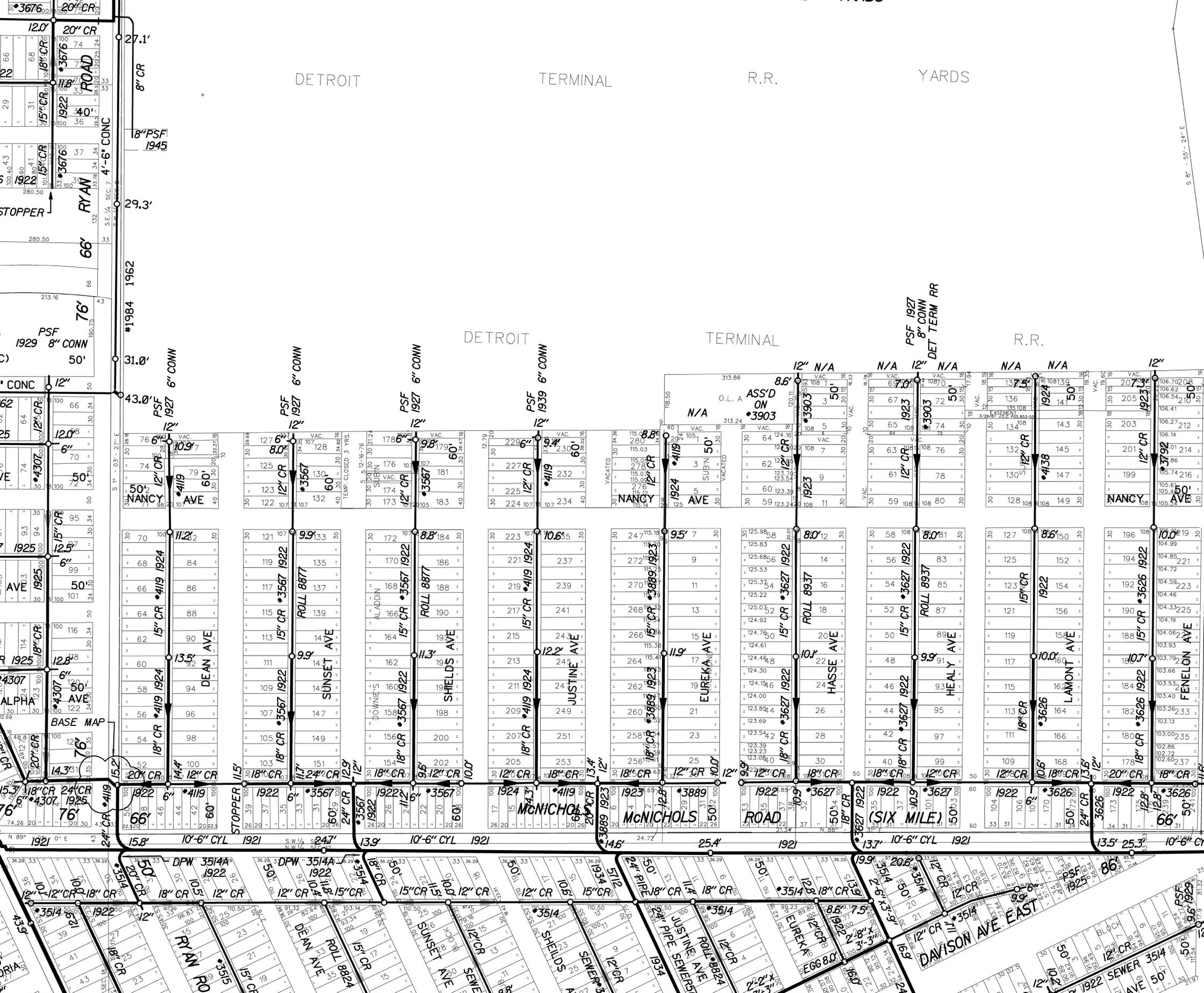
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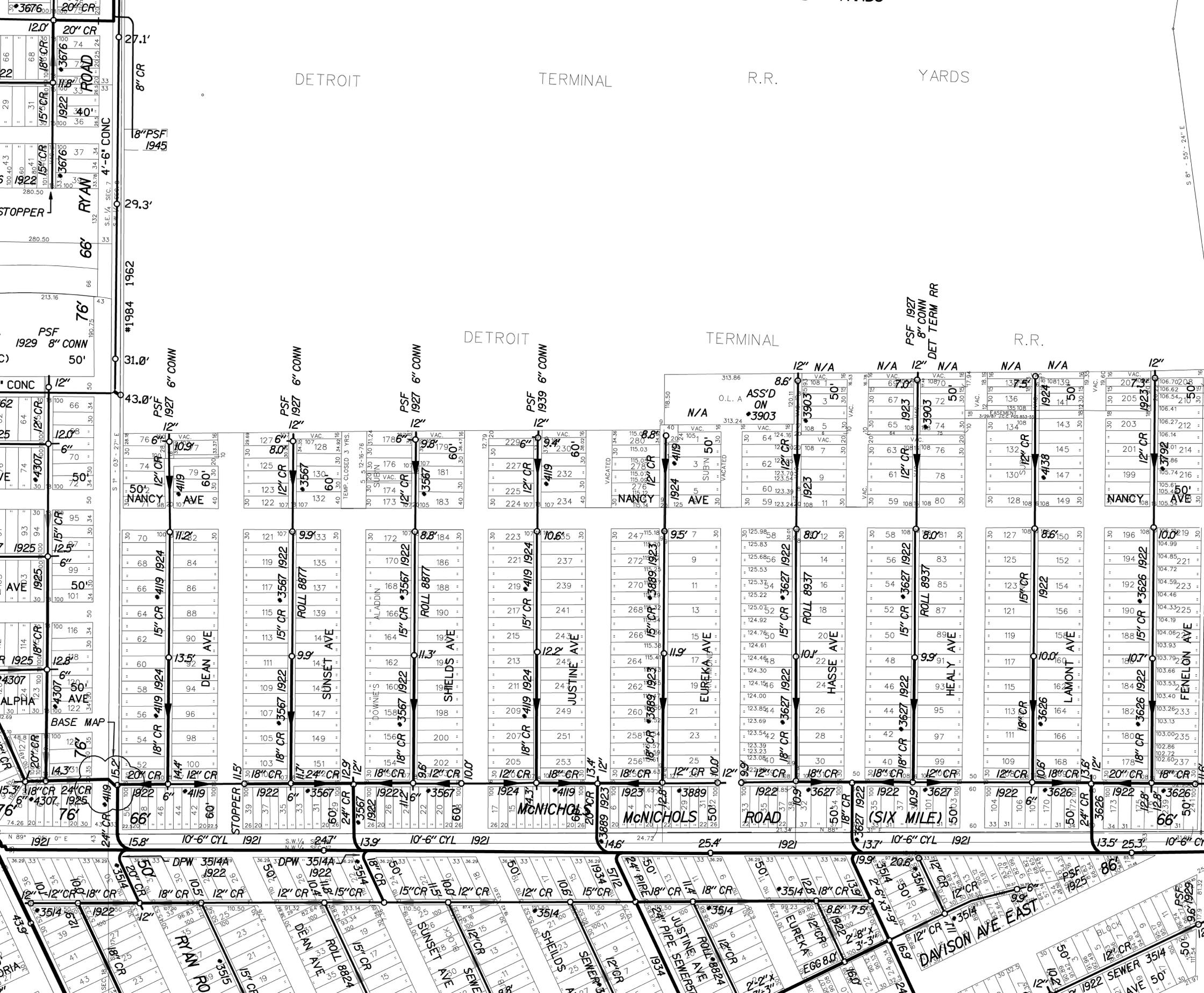
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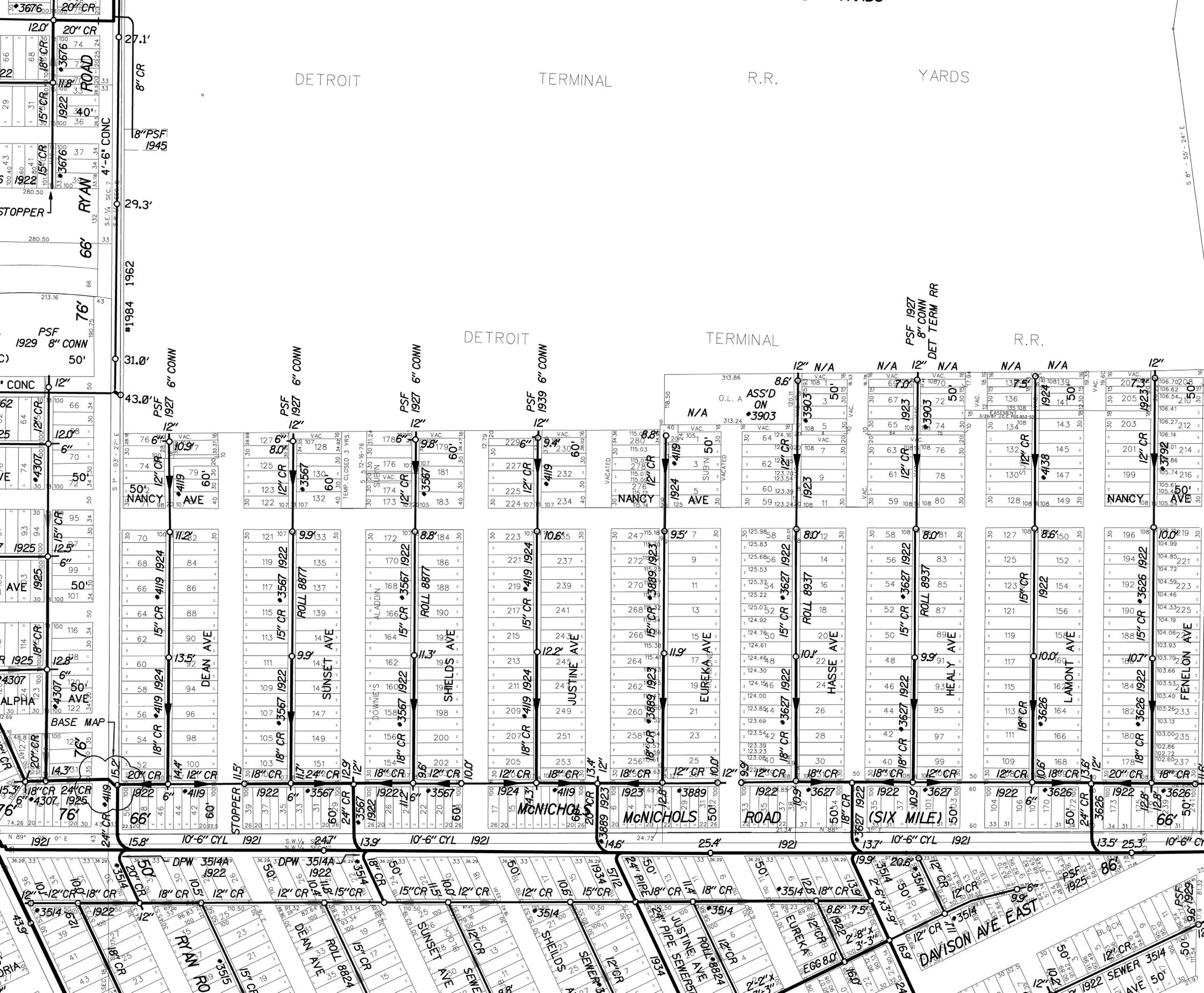
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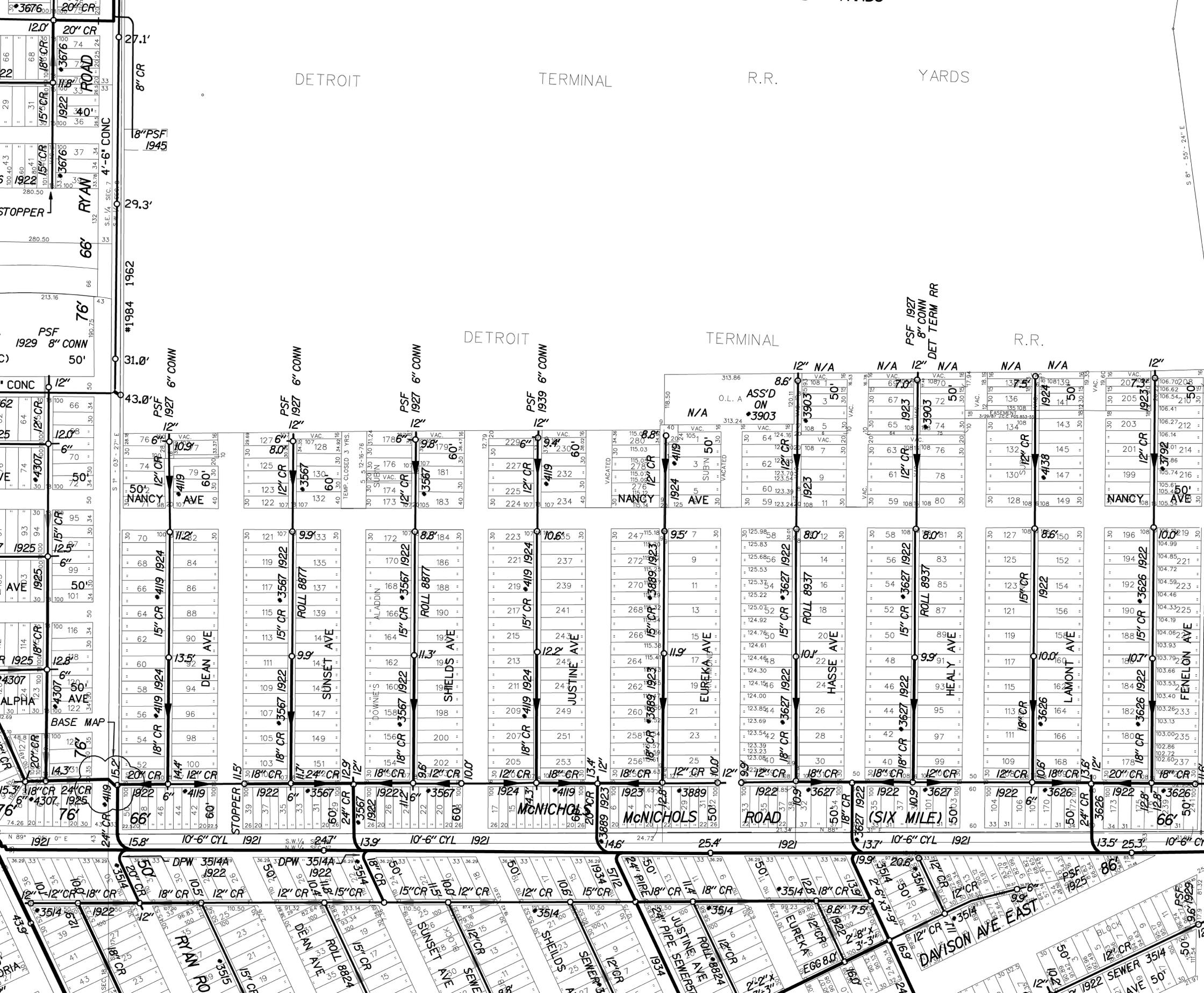
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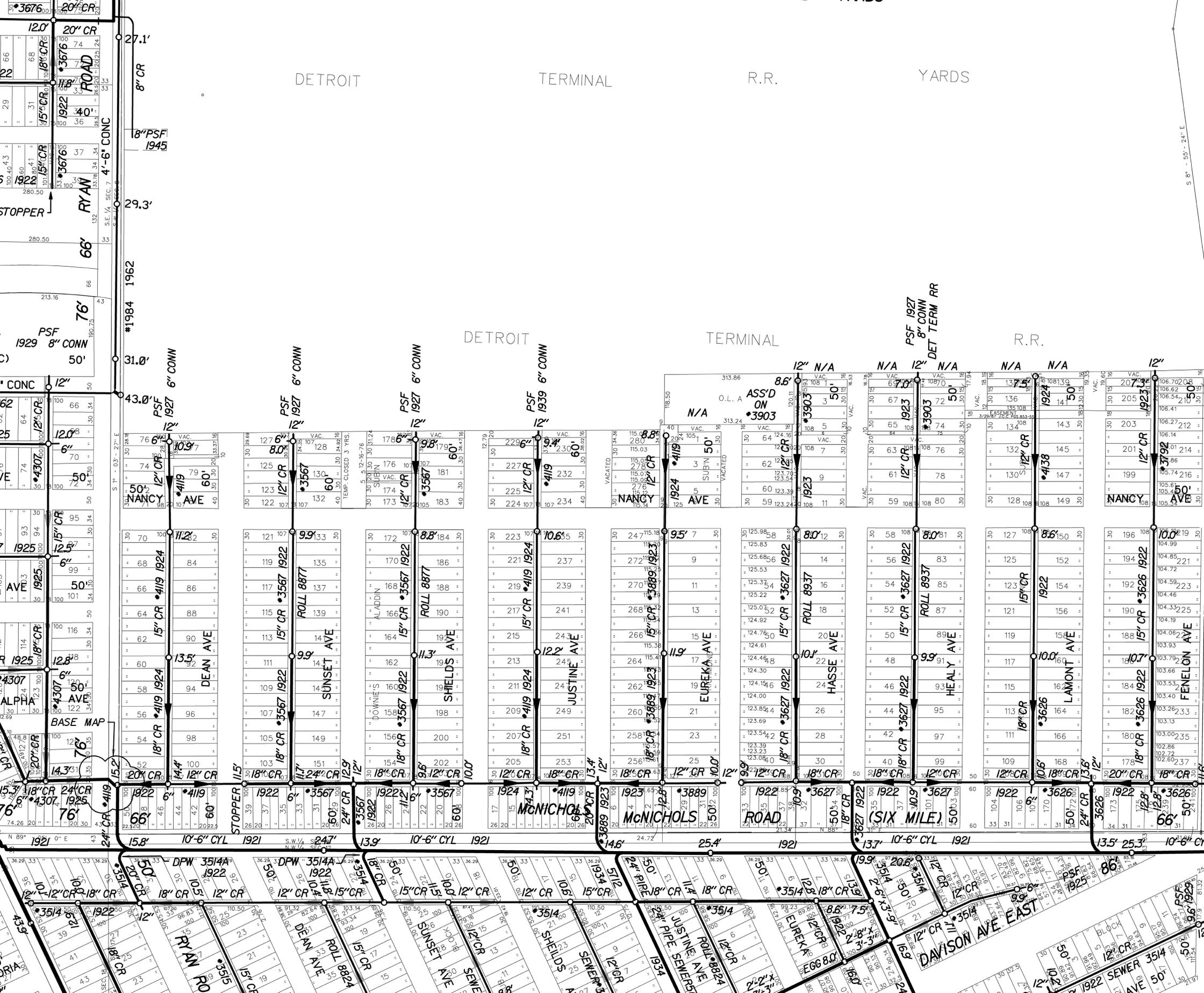
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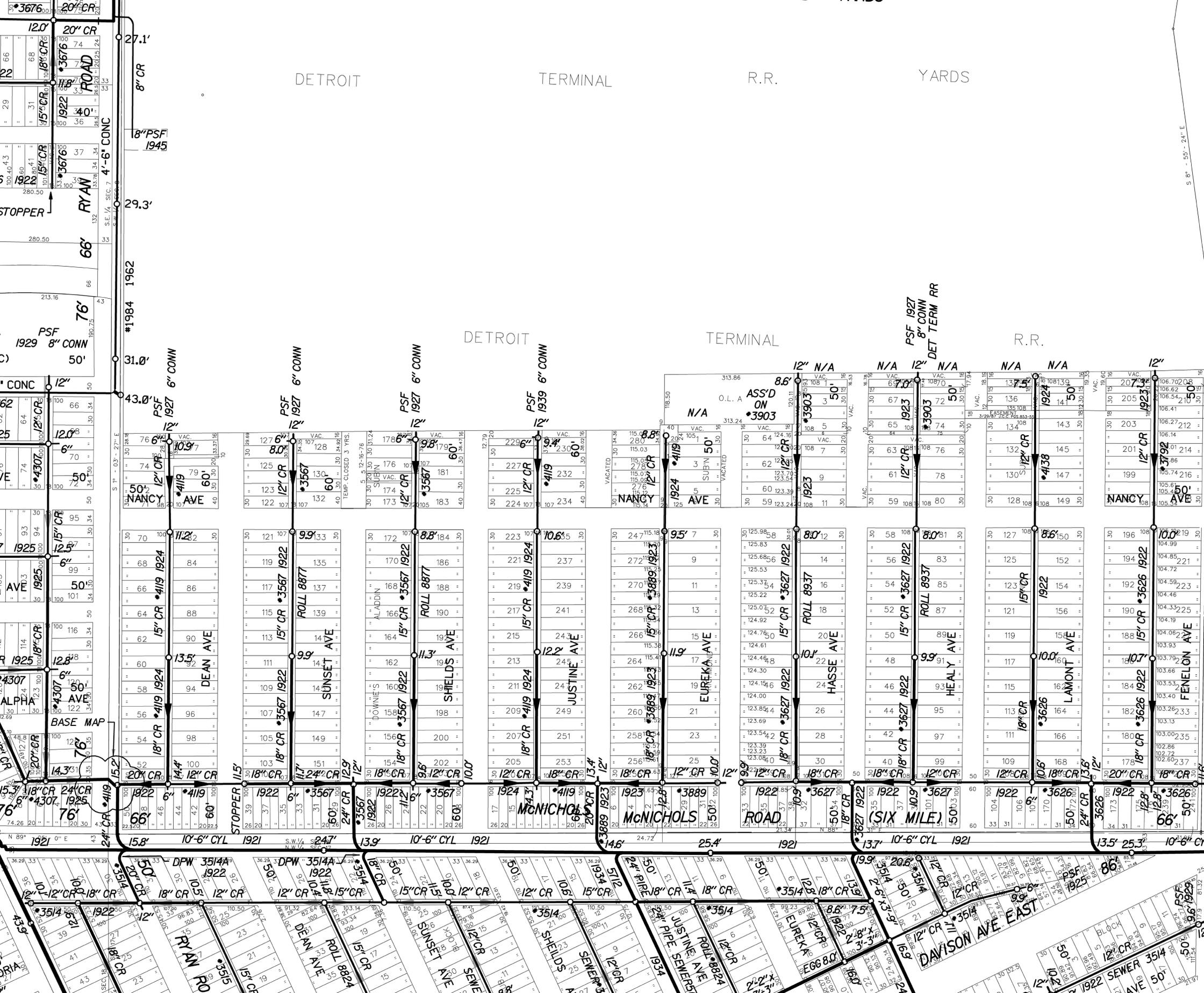
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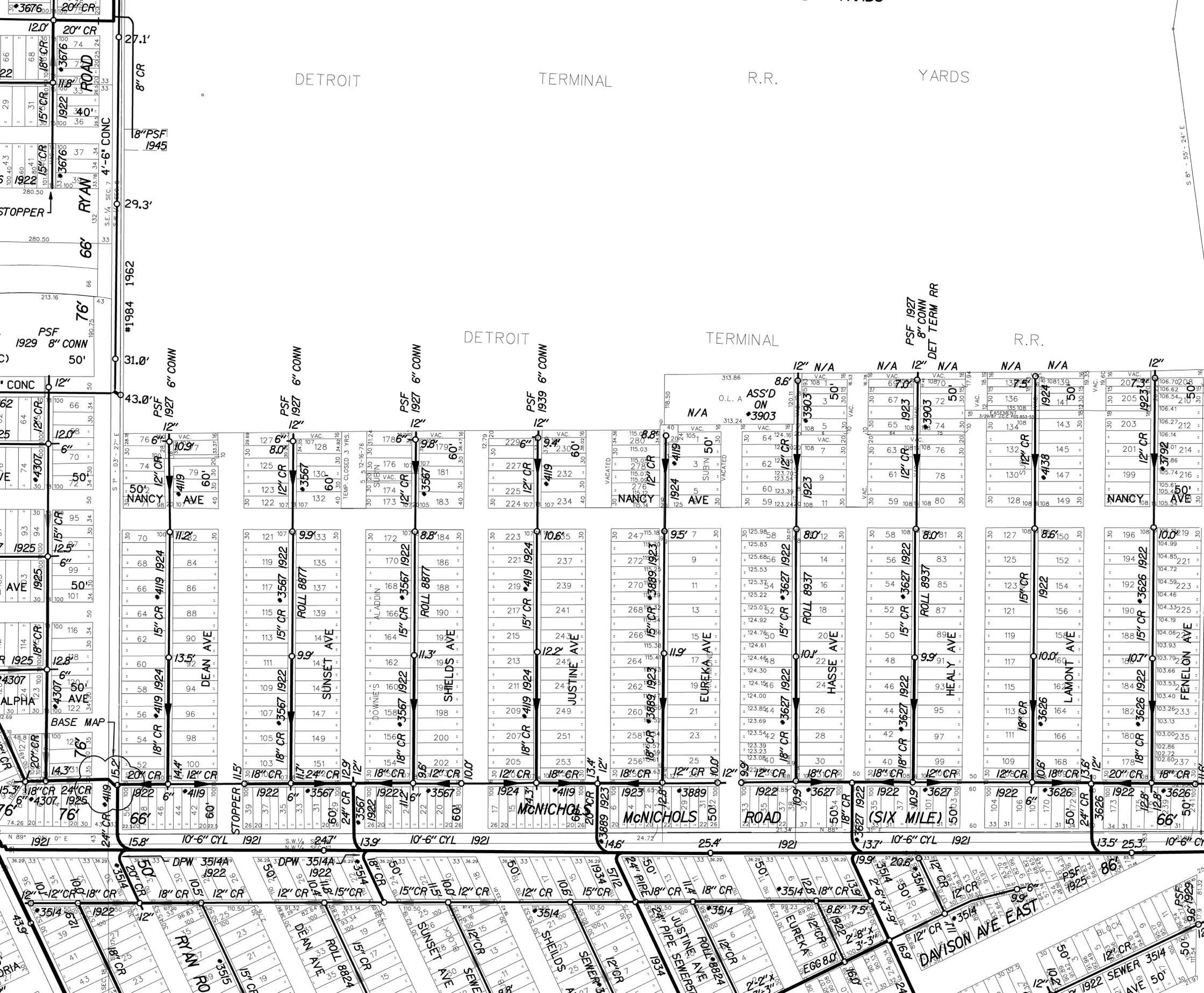
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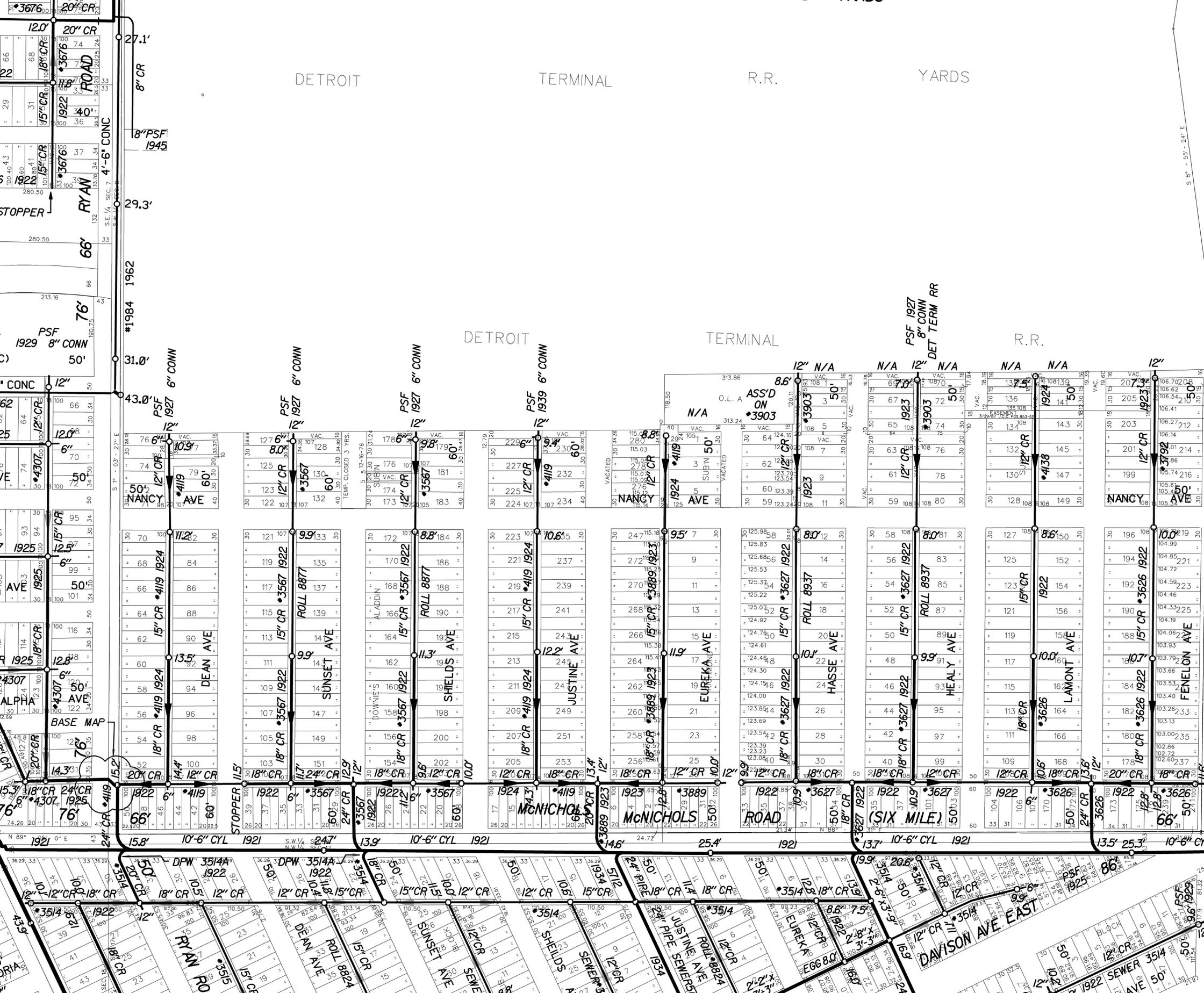
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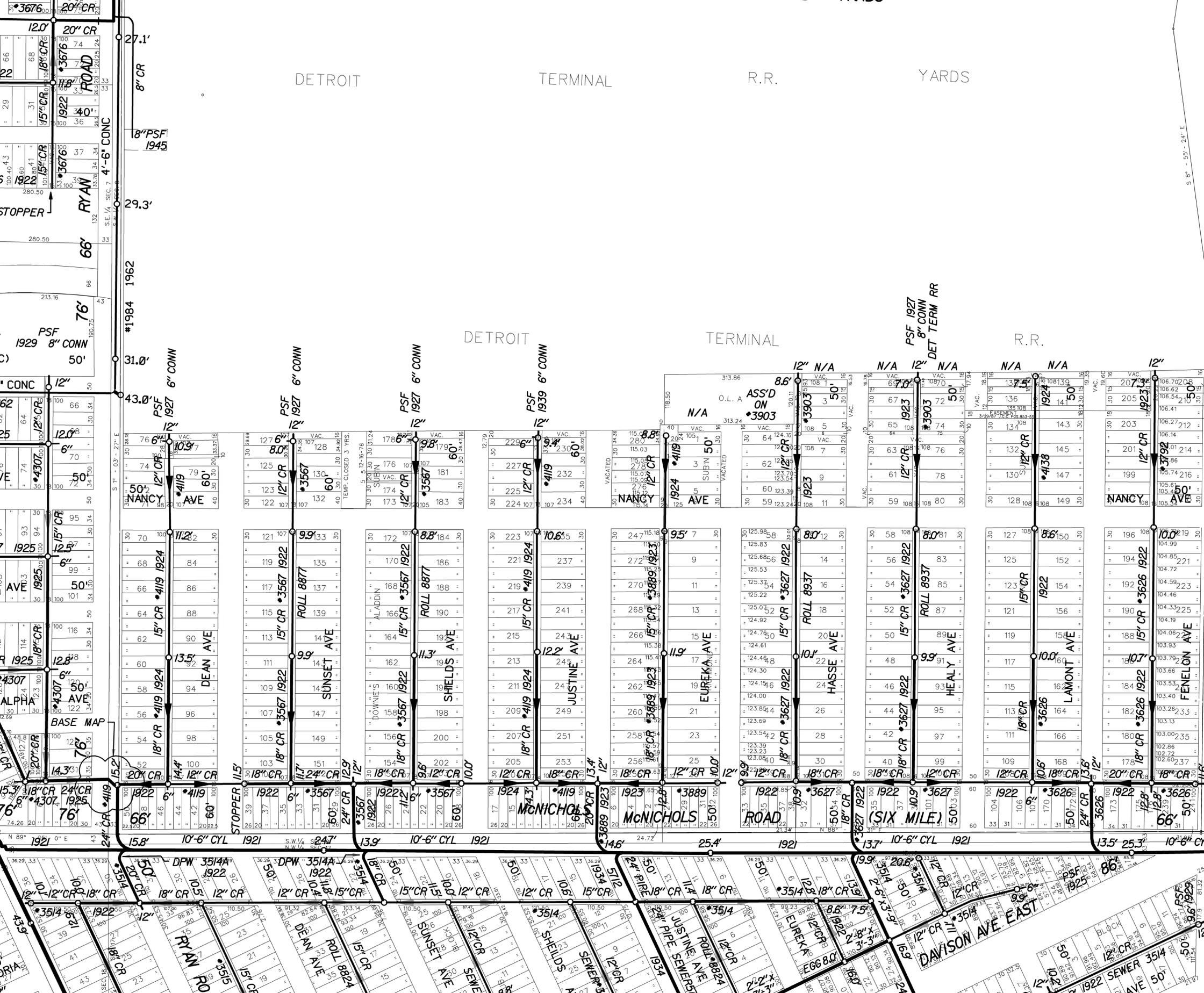
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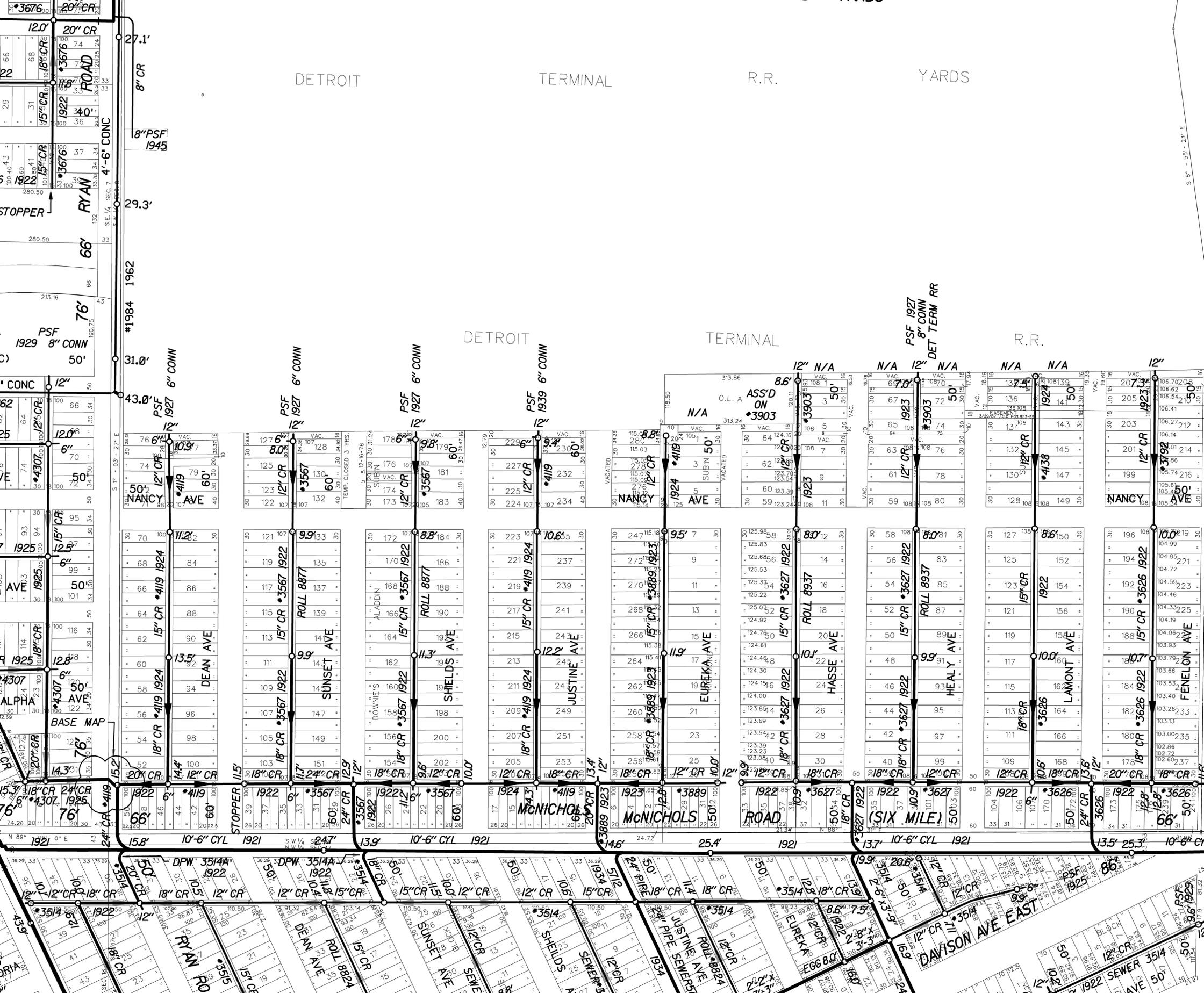
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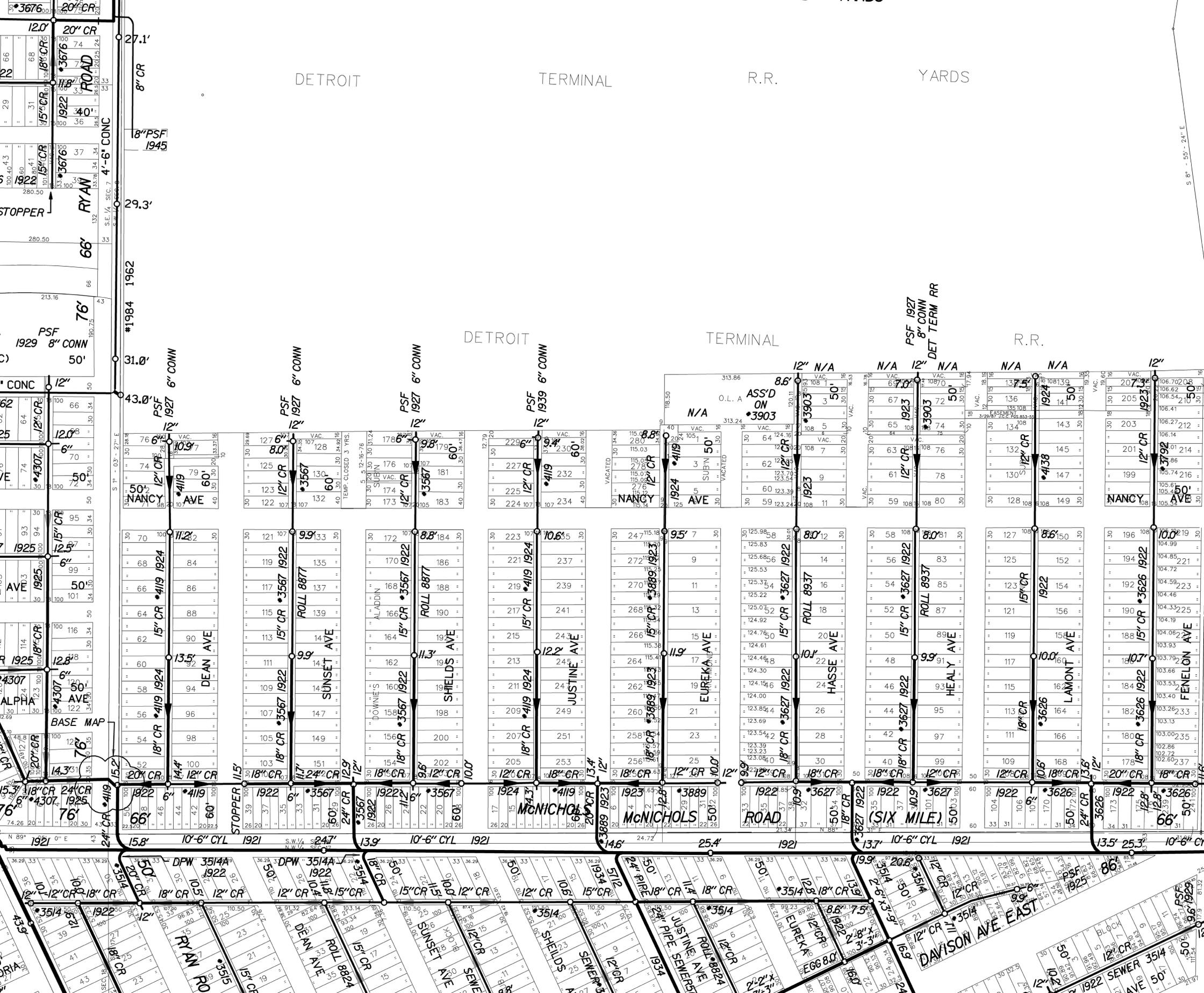
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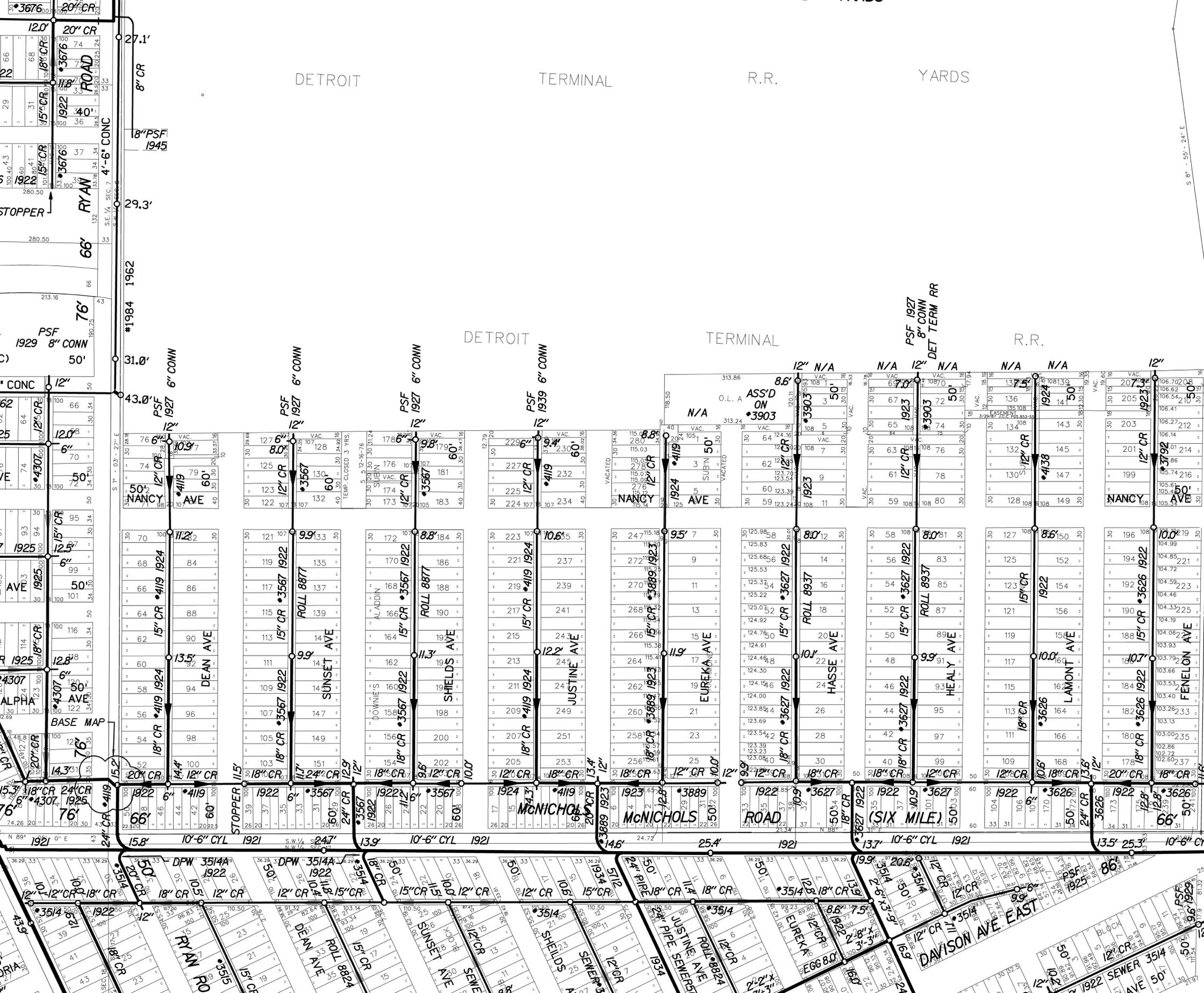
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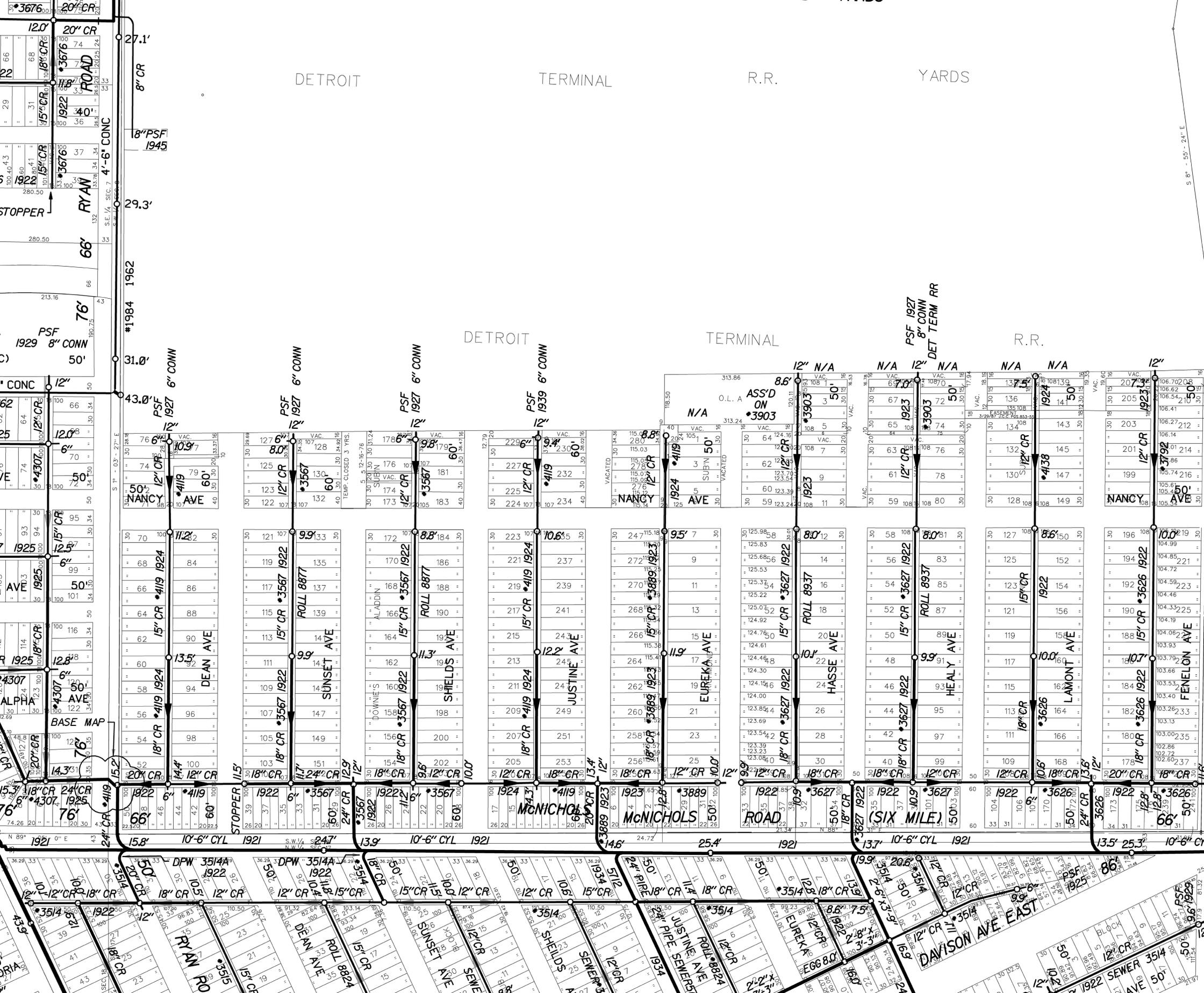
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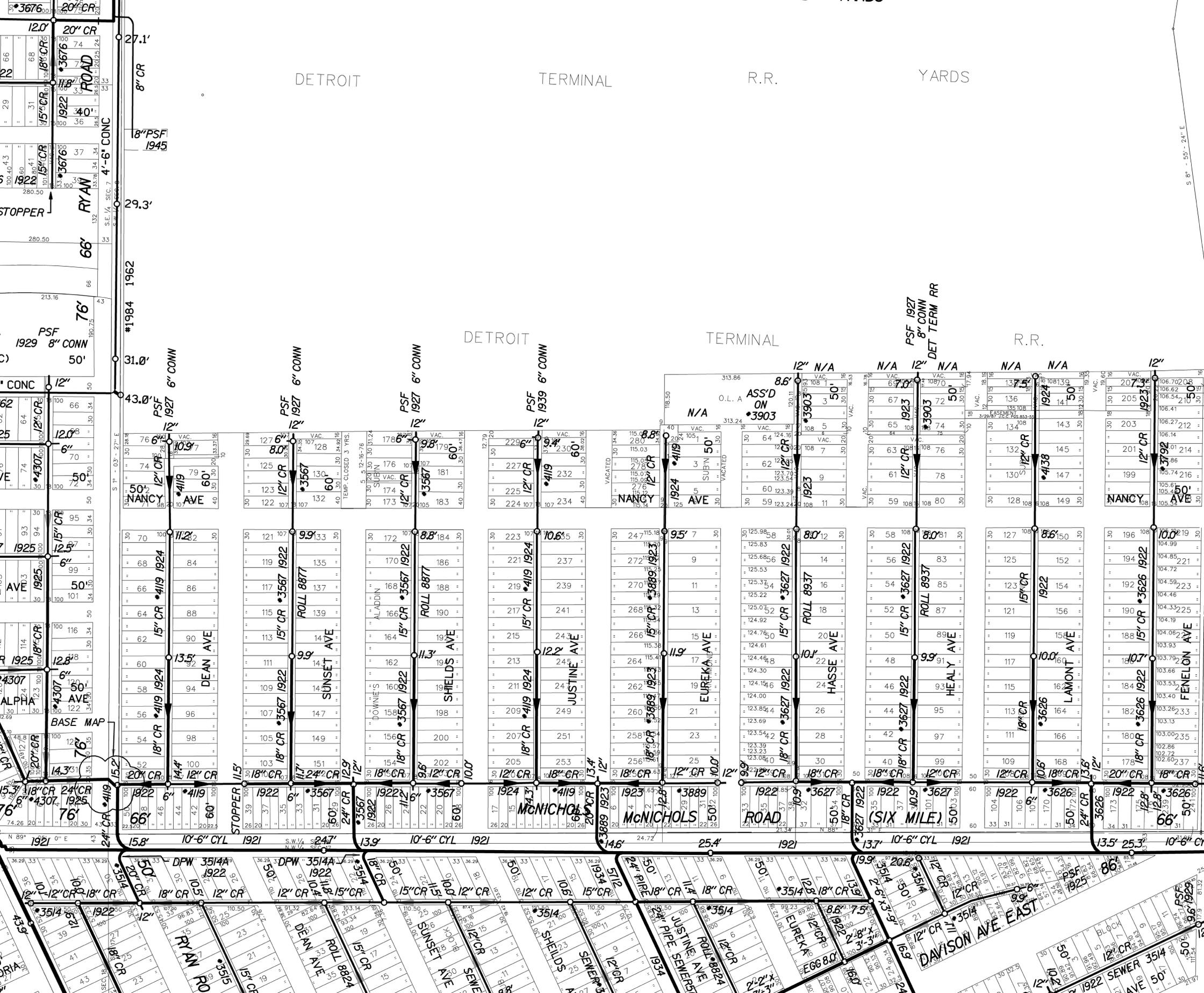
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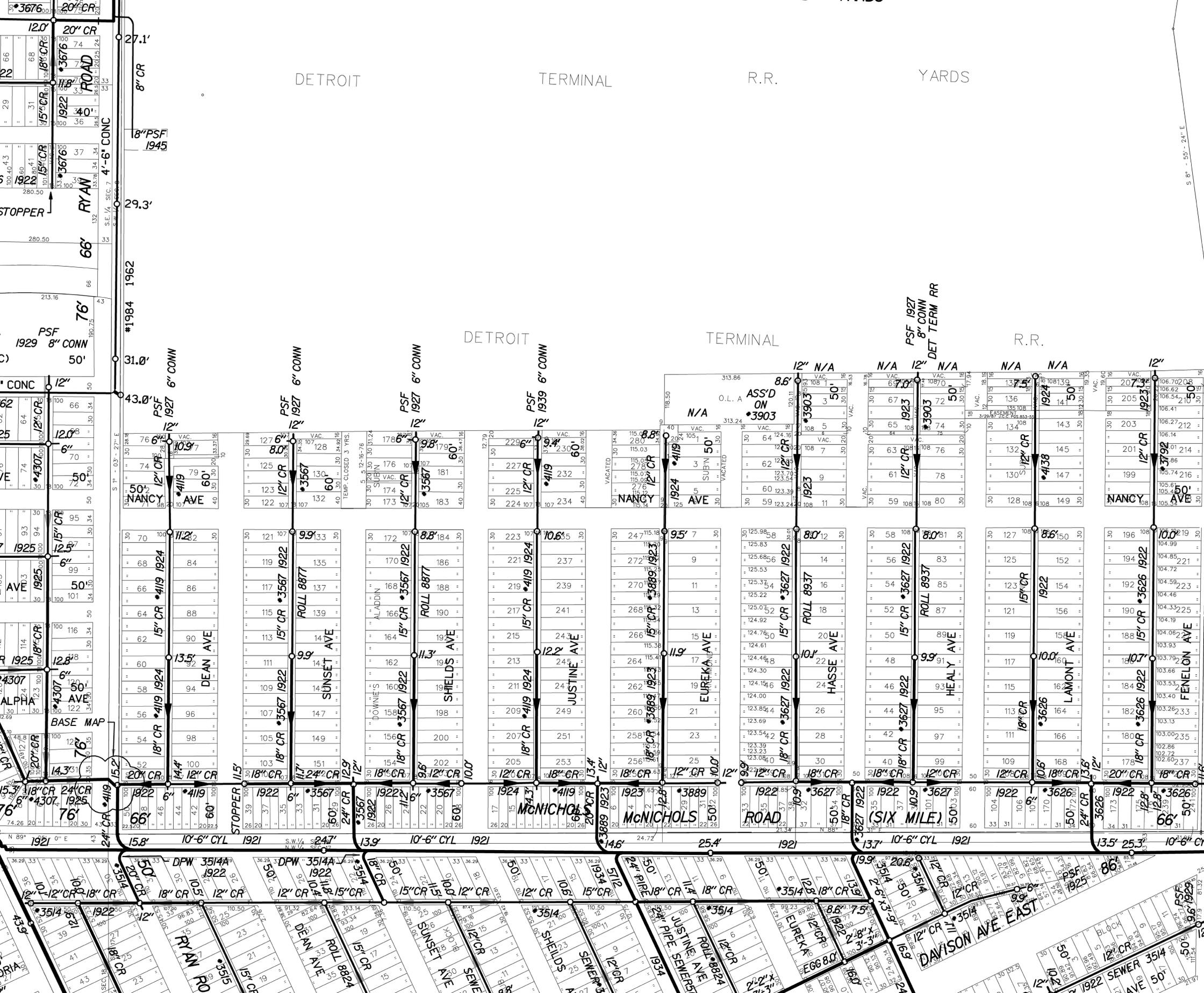
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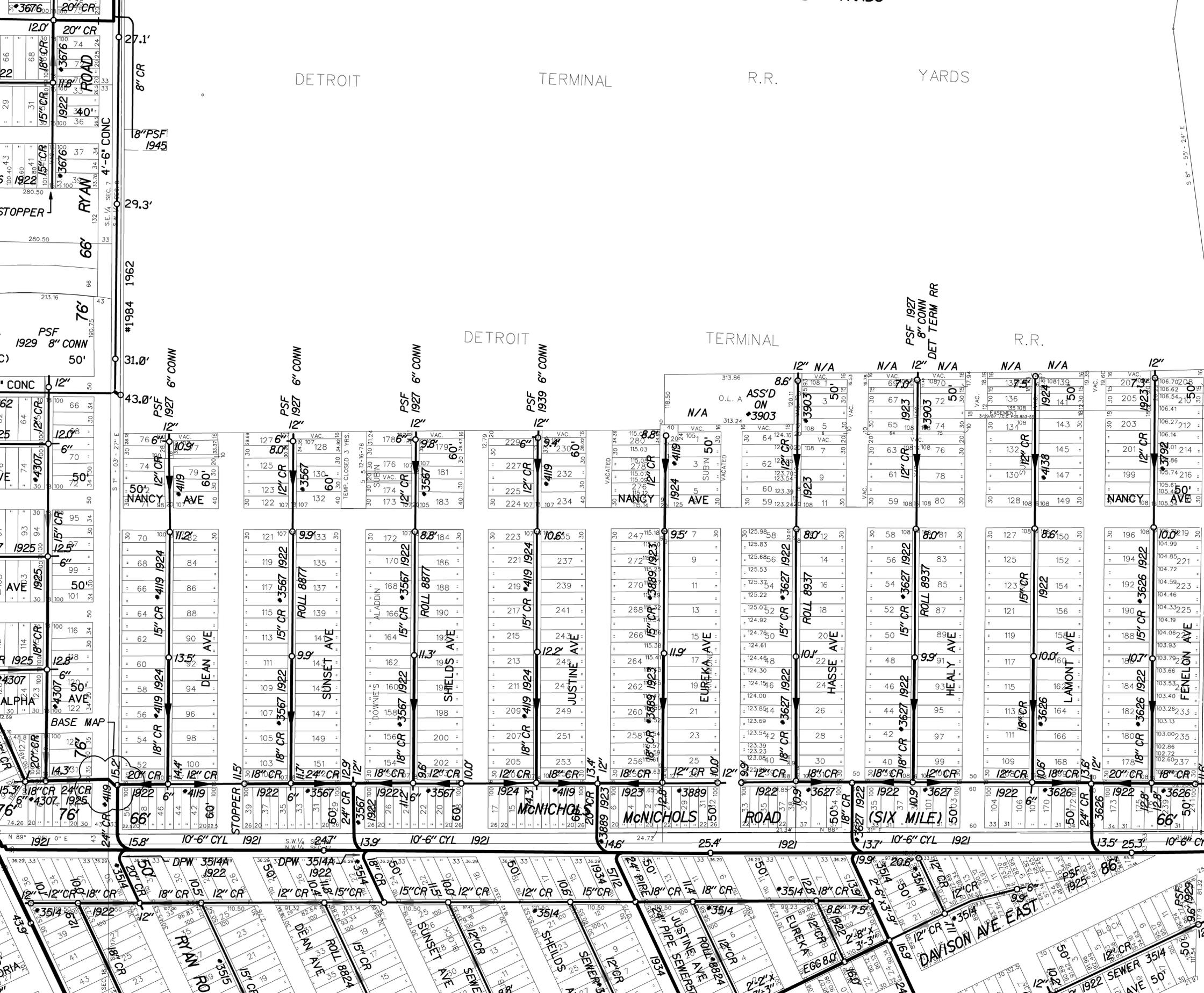
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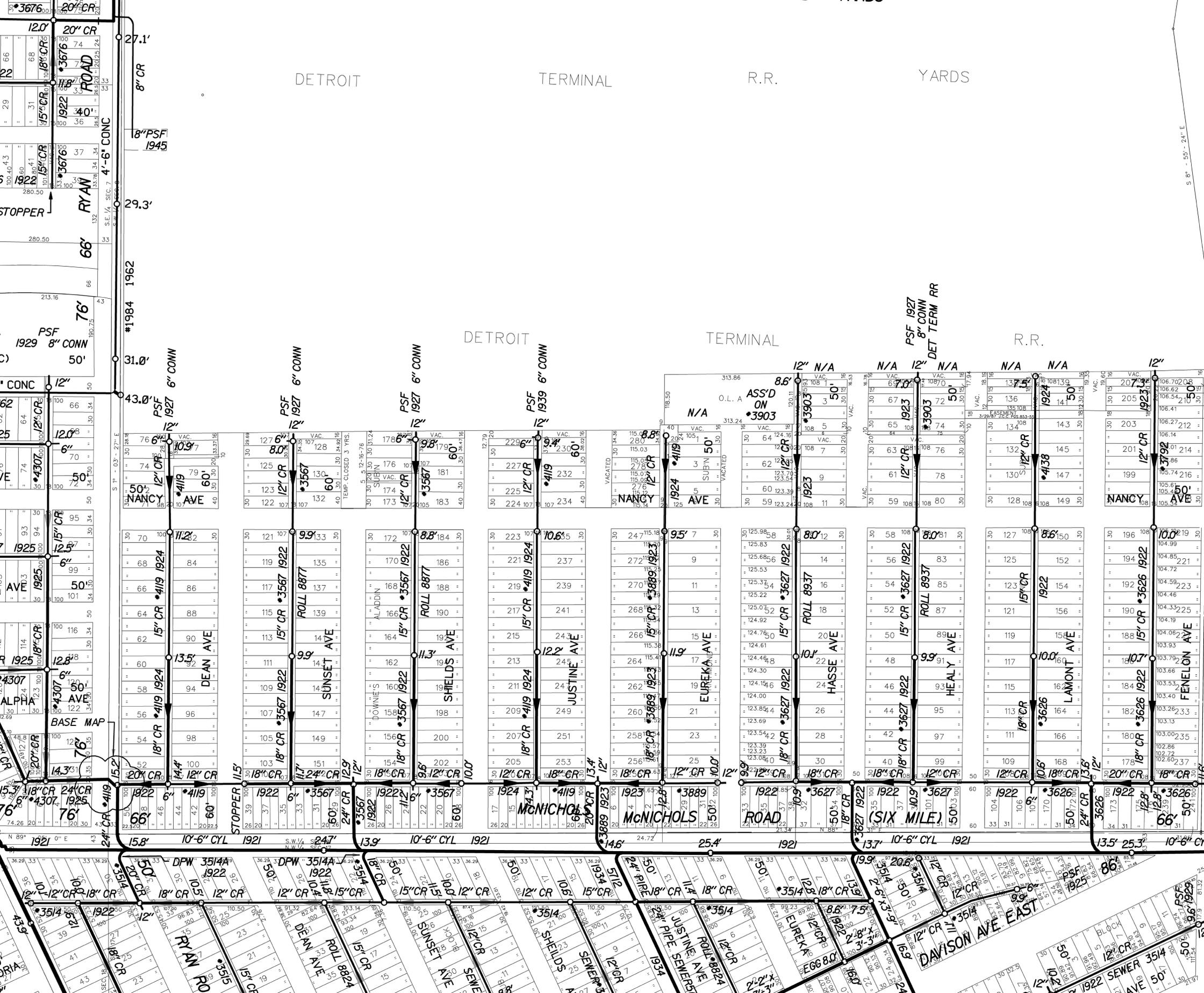
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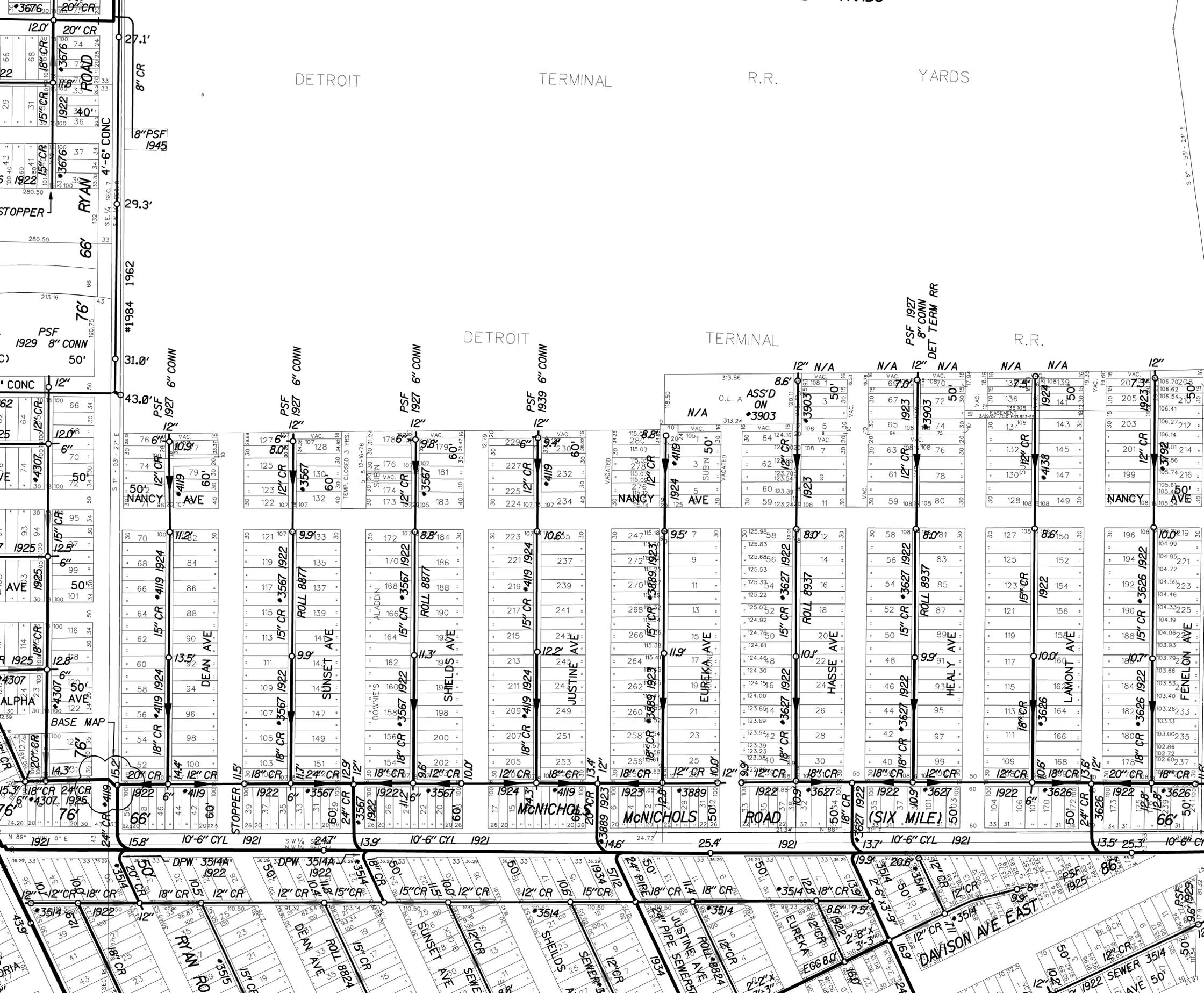
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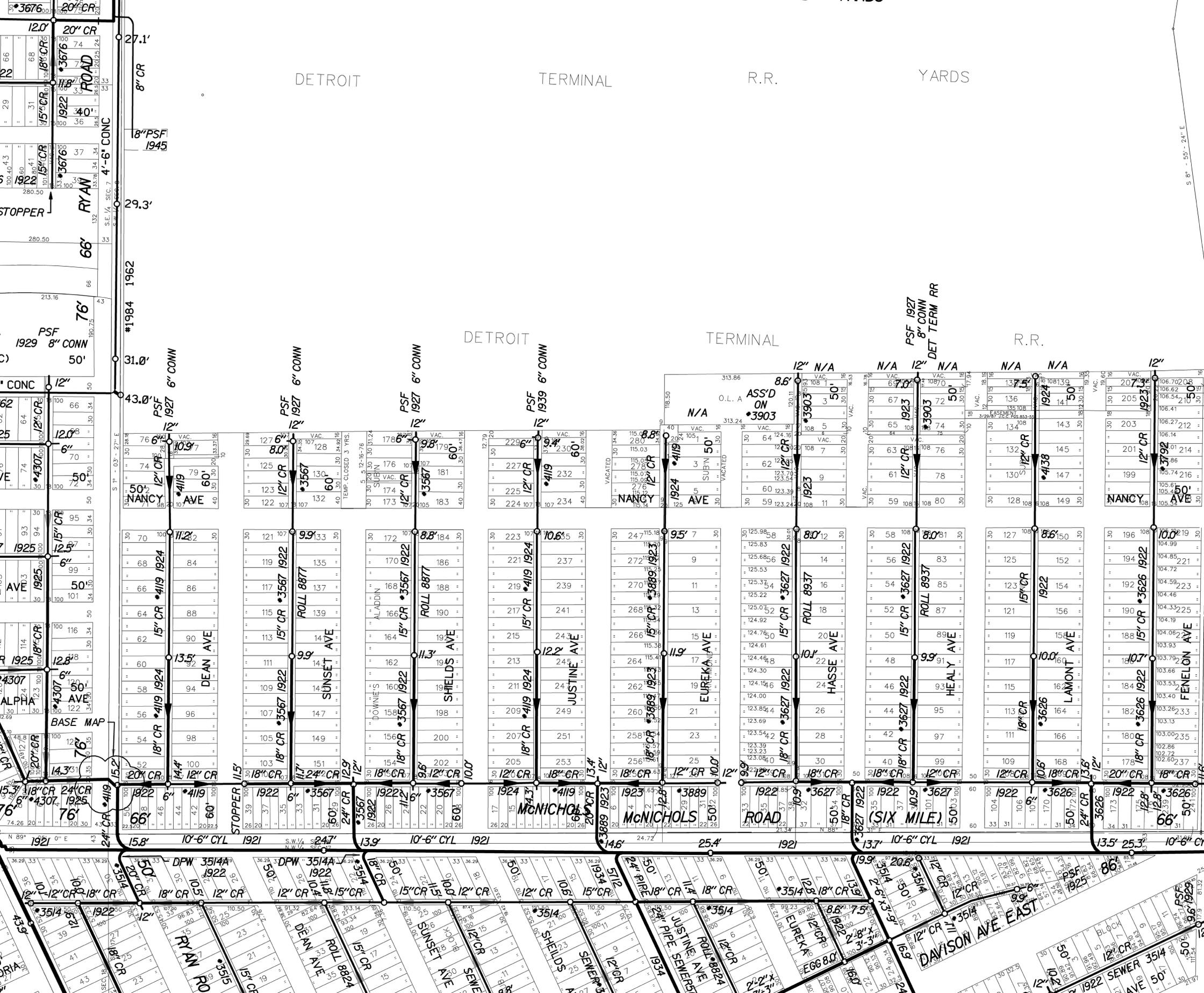
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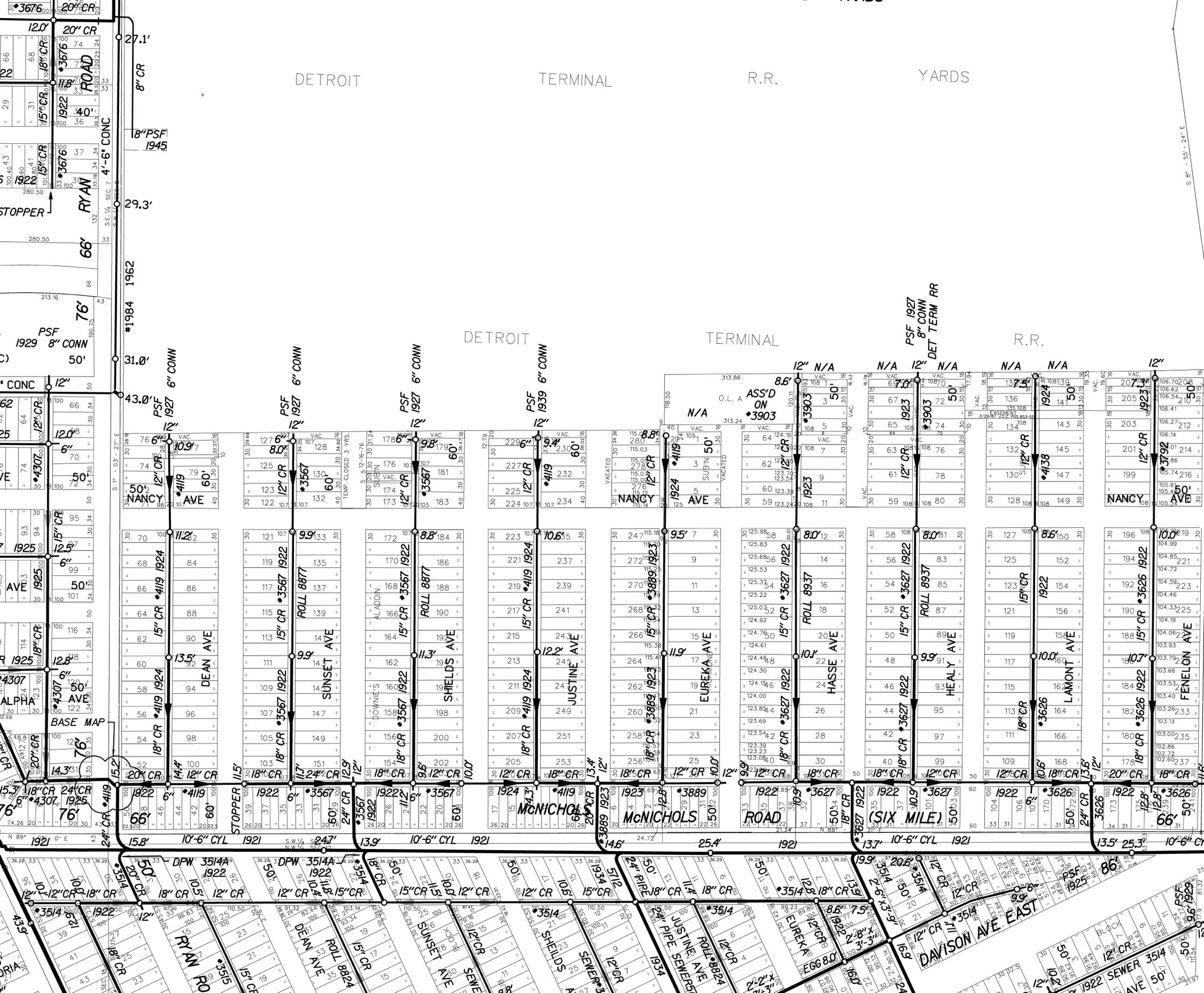
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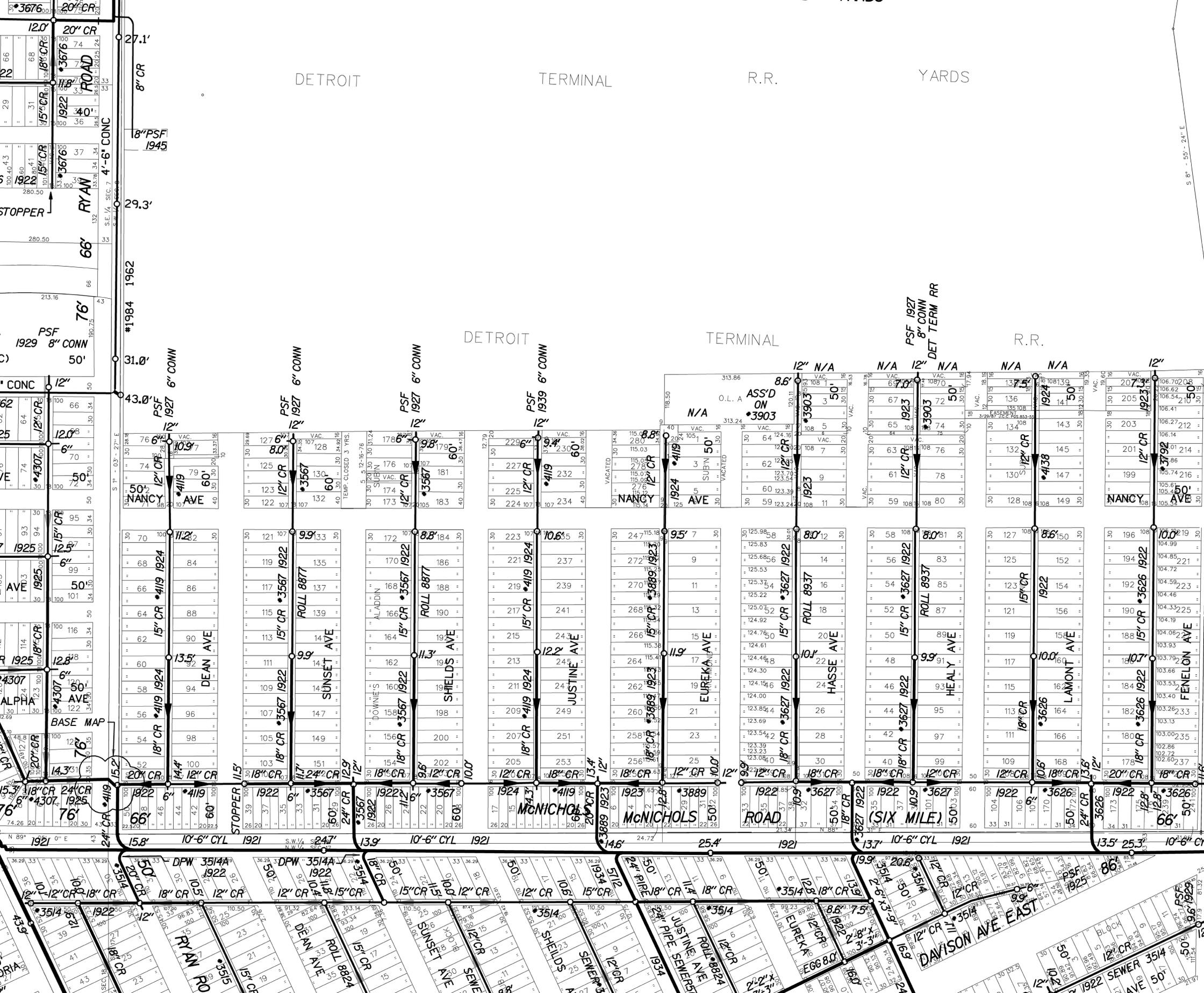
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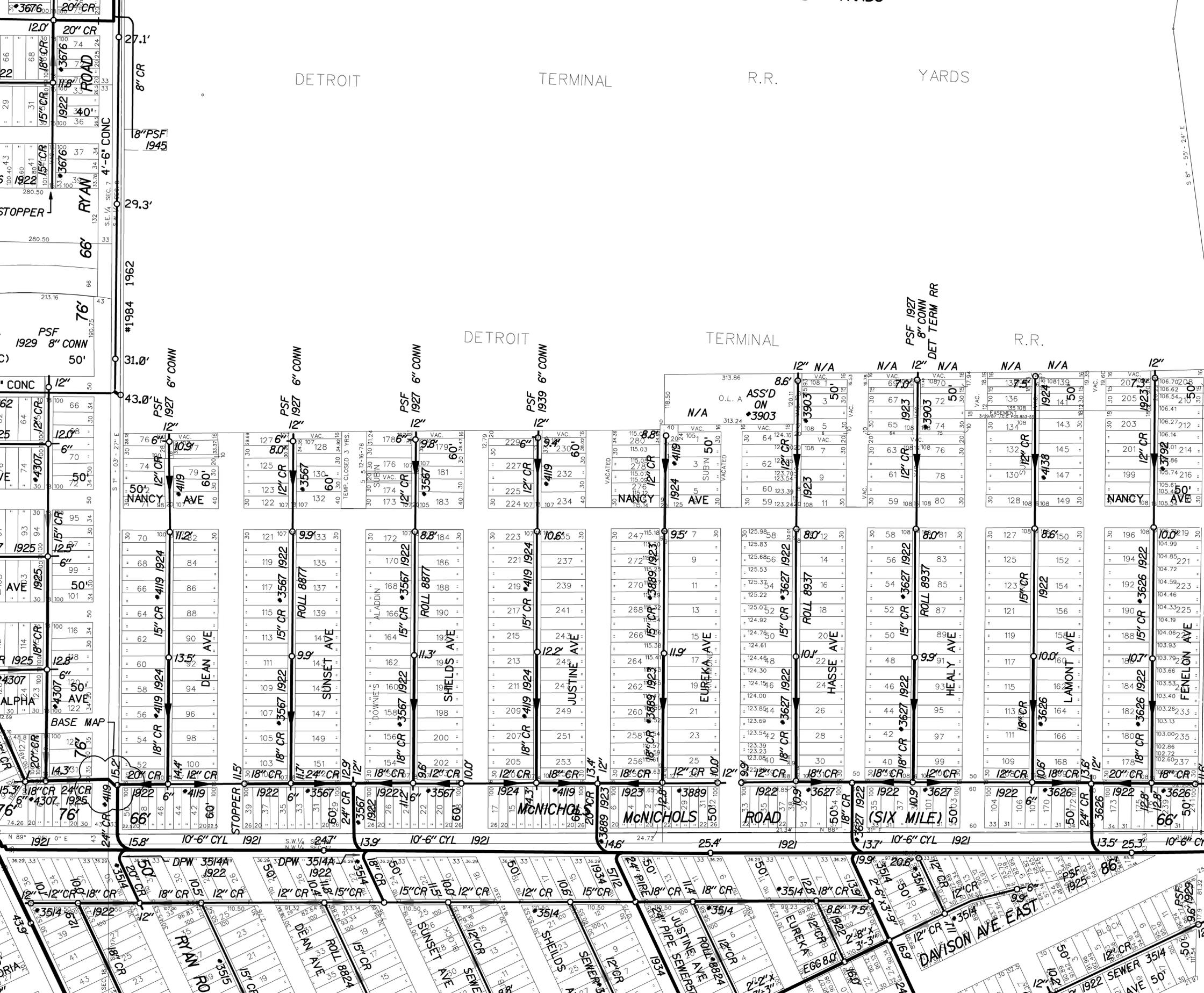
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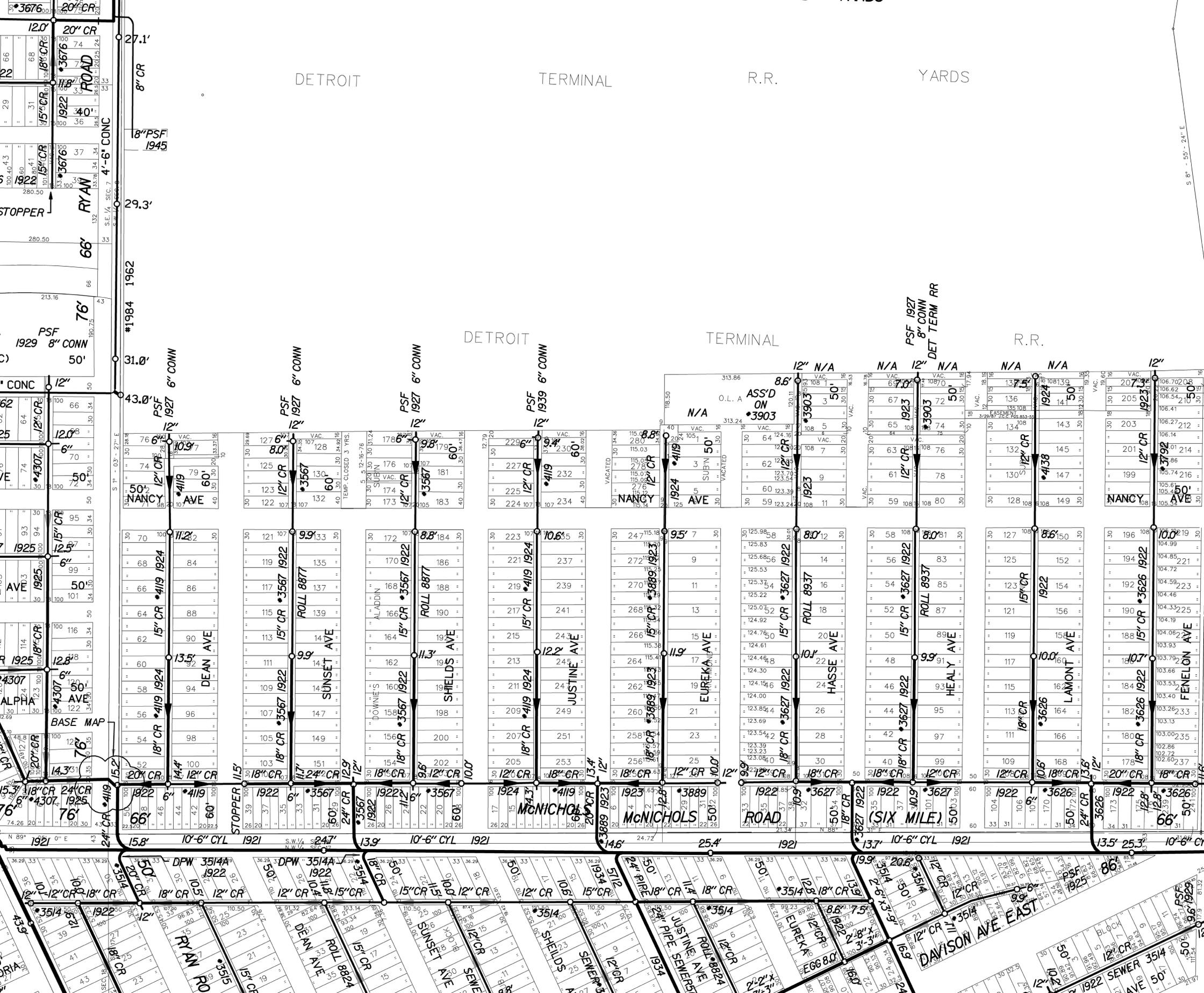
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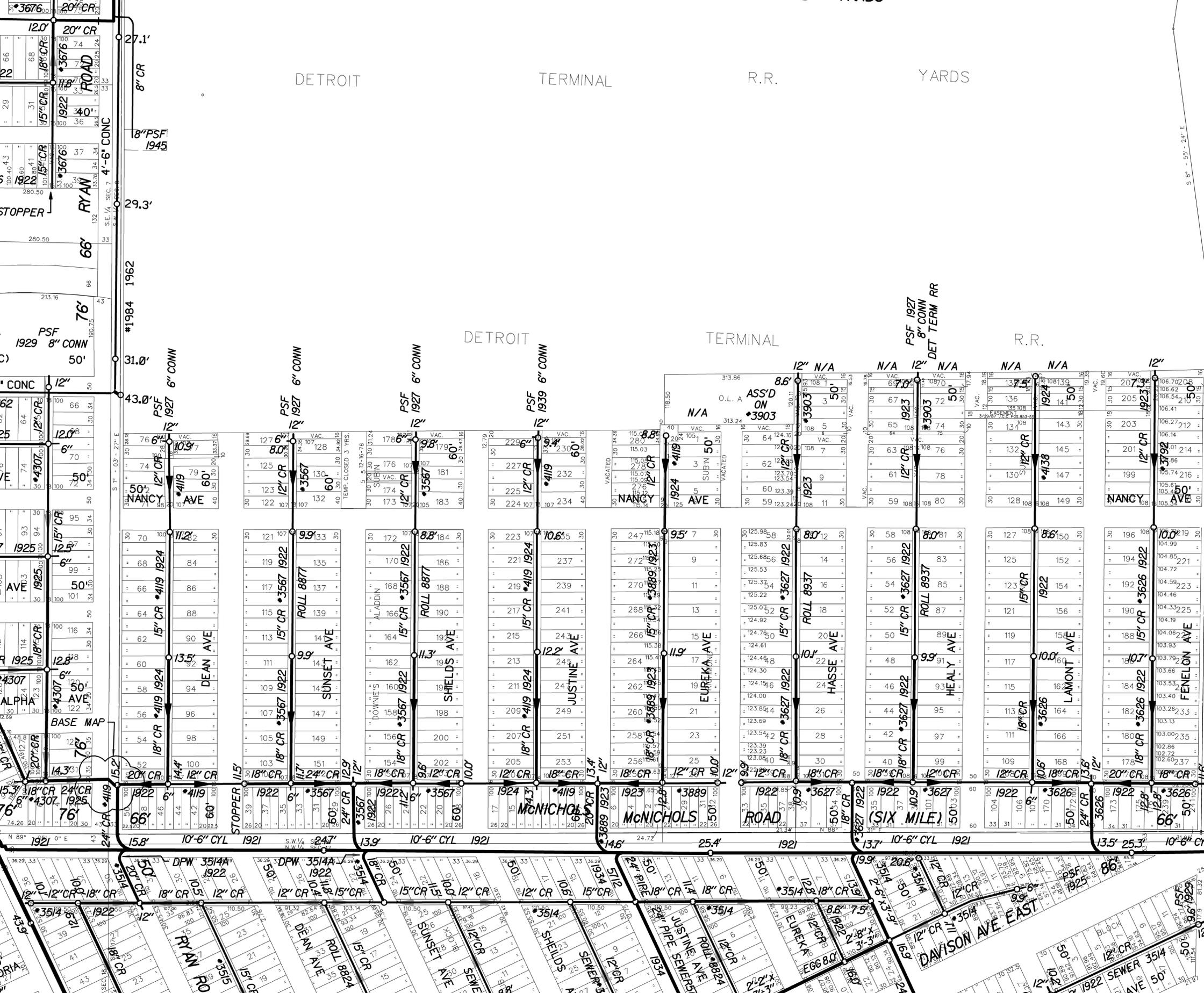
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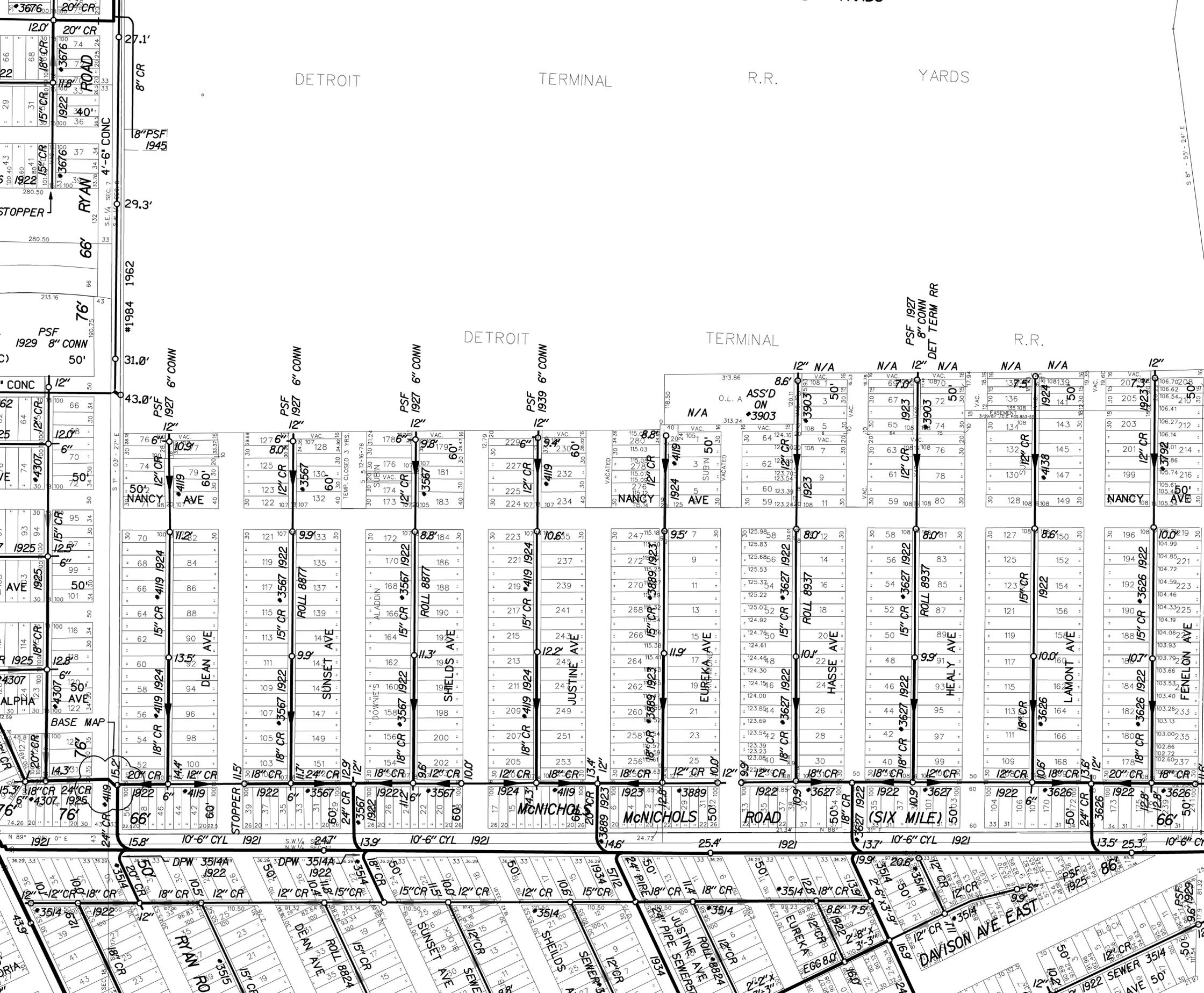
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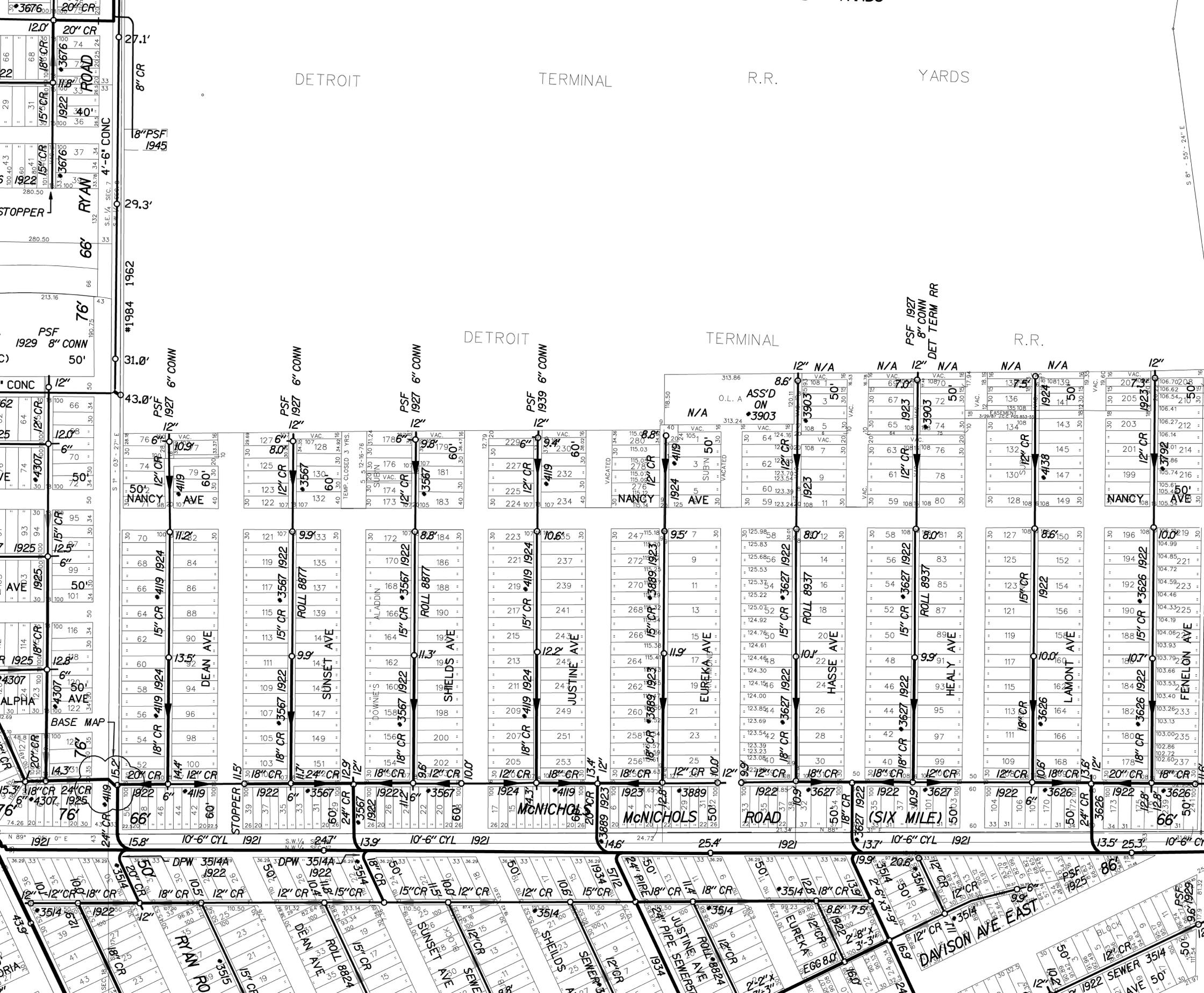
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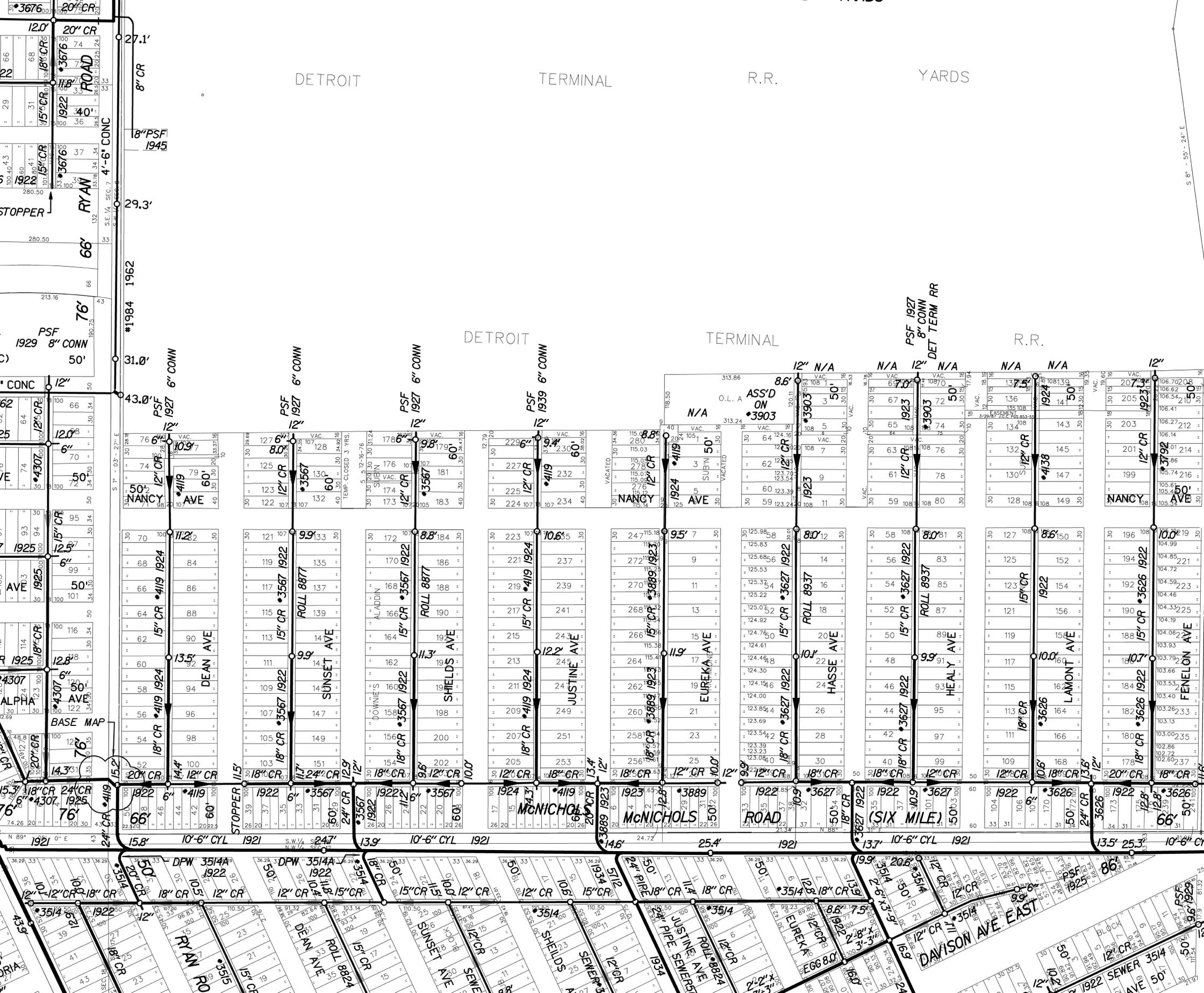
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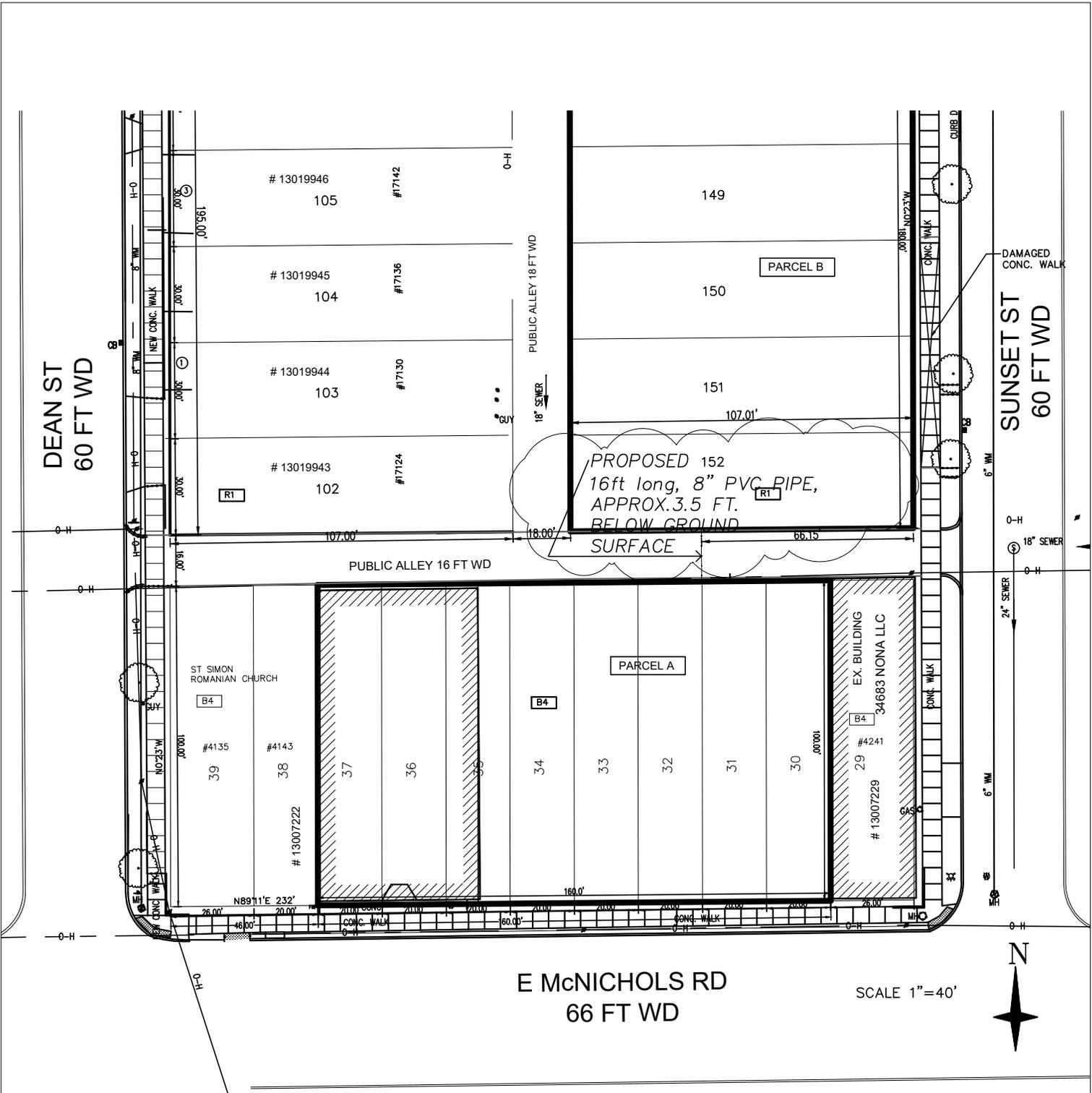
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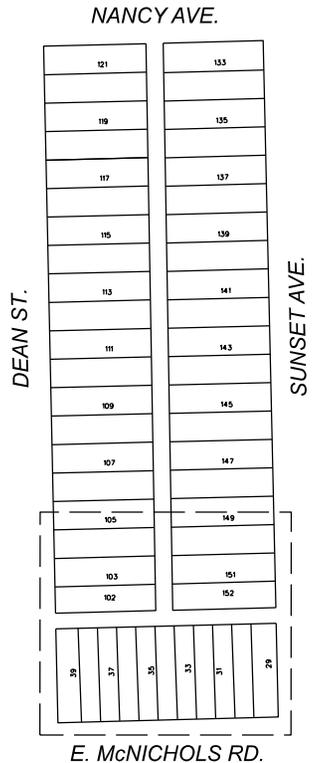
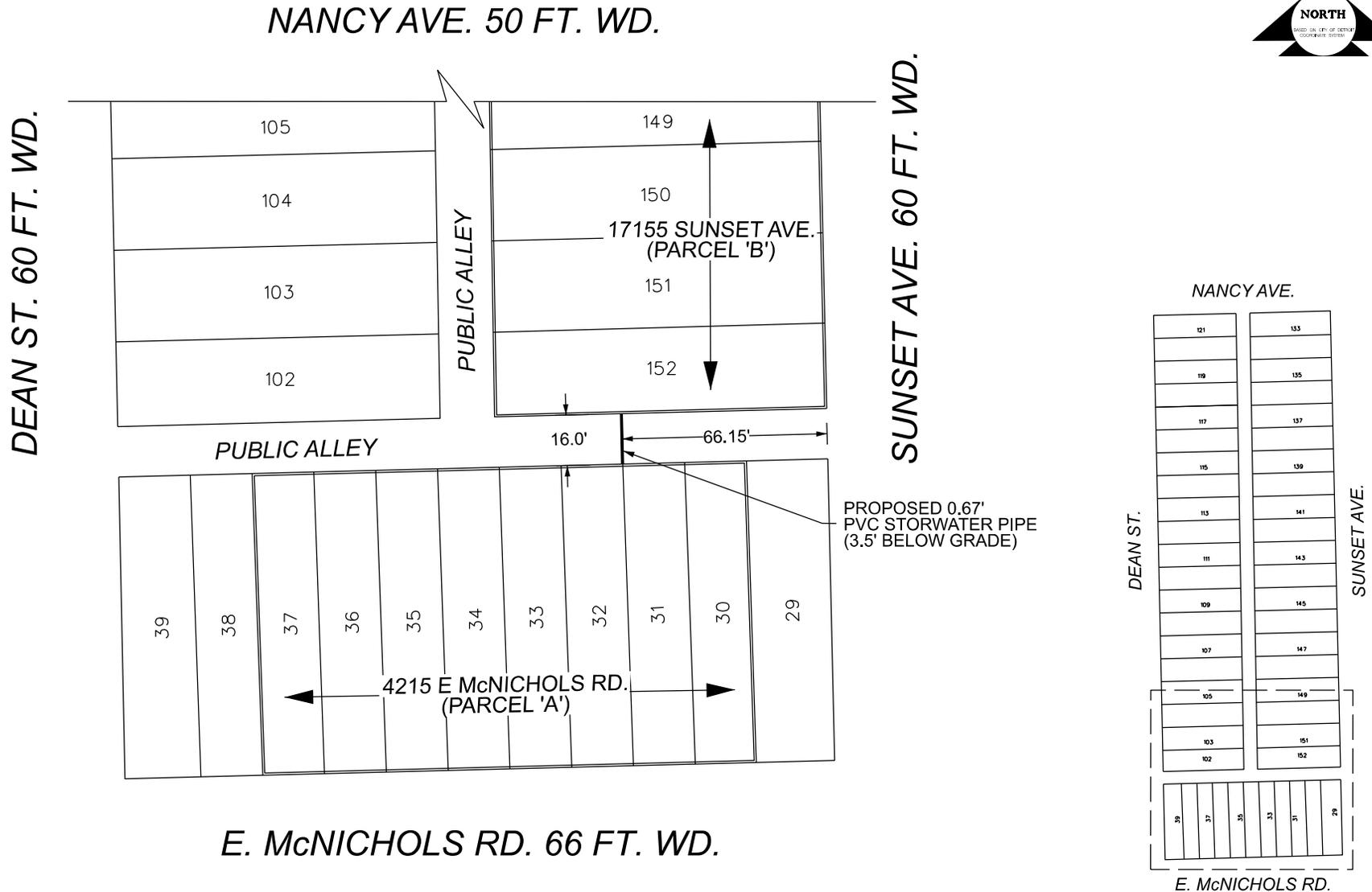


Project
 DURGA TEMPLE

Location
 4231 East McNichols,
 Detroit, Michigan

Engineer
 A&M Consultants
 835 Mason, B290
 Dearborn, MI 48124

Date
 10/30/2025



 - REQUEST ENCROACHMENT
(FOR SUB-GRADE STORMWATER PIPE)

(FOR OFFICE USE ONLY)

CARTO 45 F

REQUEST ENCROACHMENTS INTO THE EAST/WEST PUBLIC ALLEY AT 4215 E. McNICHOLS RD.

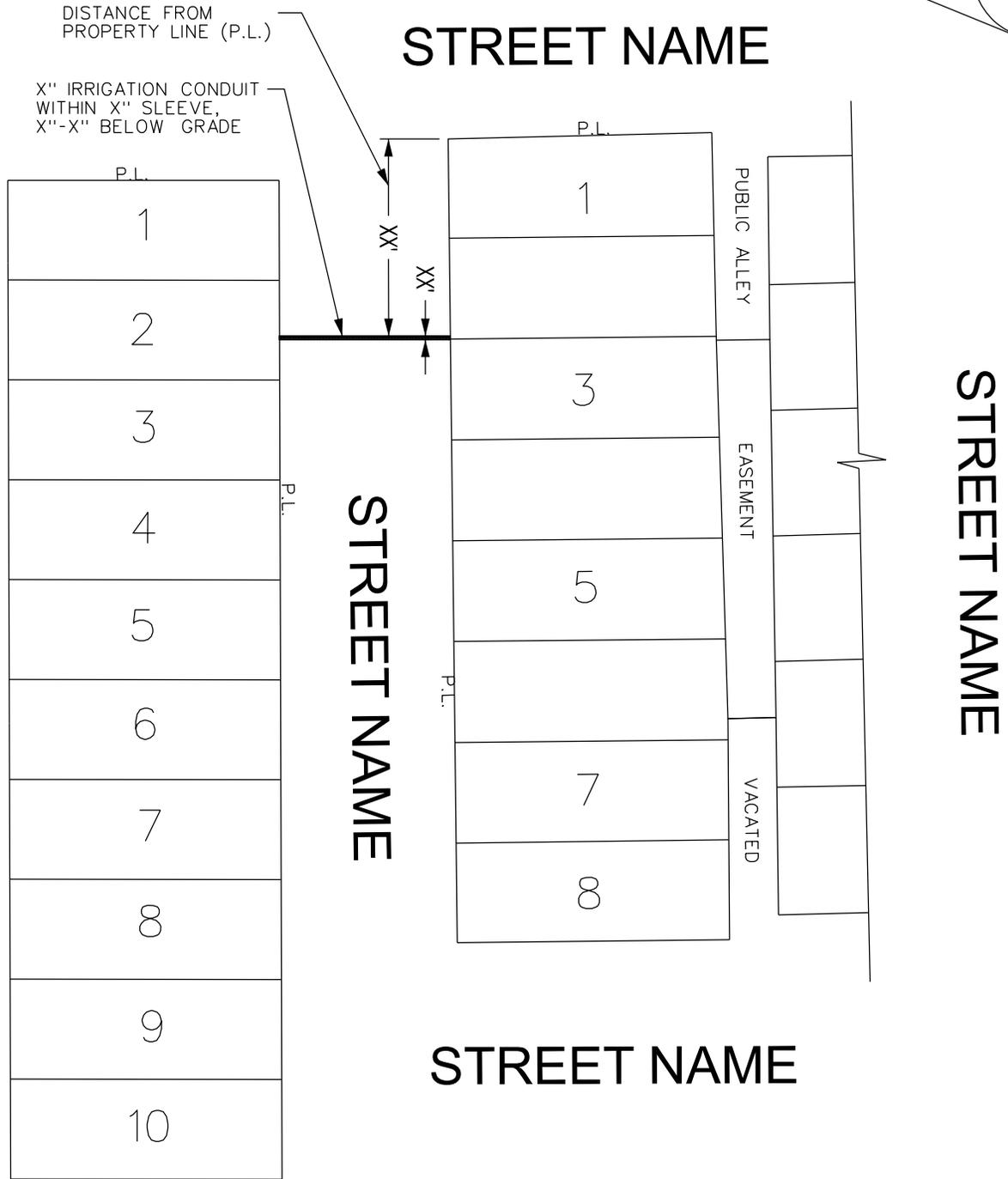
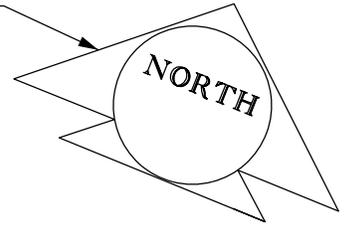
CITY OF DETROIT
CITY ENGINEERING DIVISION
MAPS & RECORDS BUREAU

JOB NO. 25-108

DRWG. NO.

DRAWN BY	TS
DATE	11/04/2025
CHECKED	AP/LC
APPROVED	GE

ARROW SHOWING NORTH DIRECTION



NOTE: Describe Drainage or Irrigation Line (X' Length, X' Width, X' Below Grade). Show distances from property lines and other features such as street signs, light poles, sewers, fire hydrants, etc. that are located in the proposed encroachment area.

 - REQUEST ENCROACHMENT (Below Grade Drainage or Irrigation Line)

SAMPLE IRRIGATION LINE SKETCH



City of Detroit
Department of Public Works
City Engineering Division

COLEMAN A. YOUNG MUNICIPAL CENTER
2 Woodward Ave. Suite 601
Detroit, Michigan 48226
Phone: (313) 224-3949 TTY: 711
www.detroitmi.gov

WRITTEN ACCEPTANCE OF THE TERMS AND CONDITIONS OF
DETROIT CITY COUNCIL RESOLUTION
PETITION NUMBER , ADOPTED

Ponkos Das on behalf of Durga Temple, whose address is

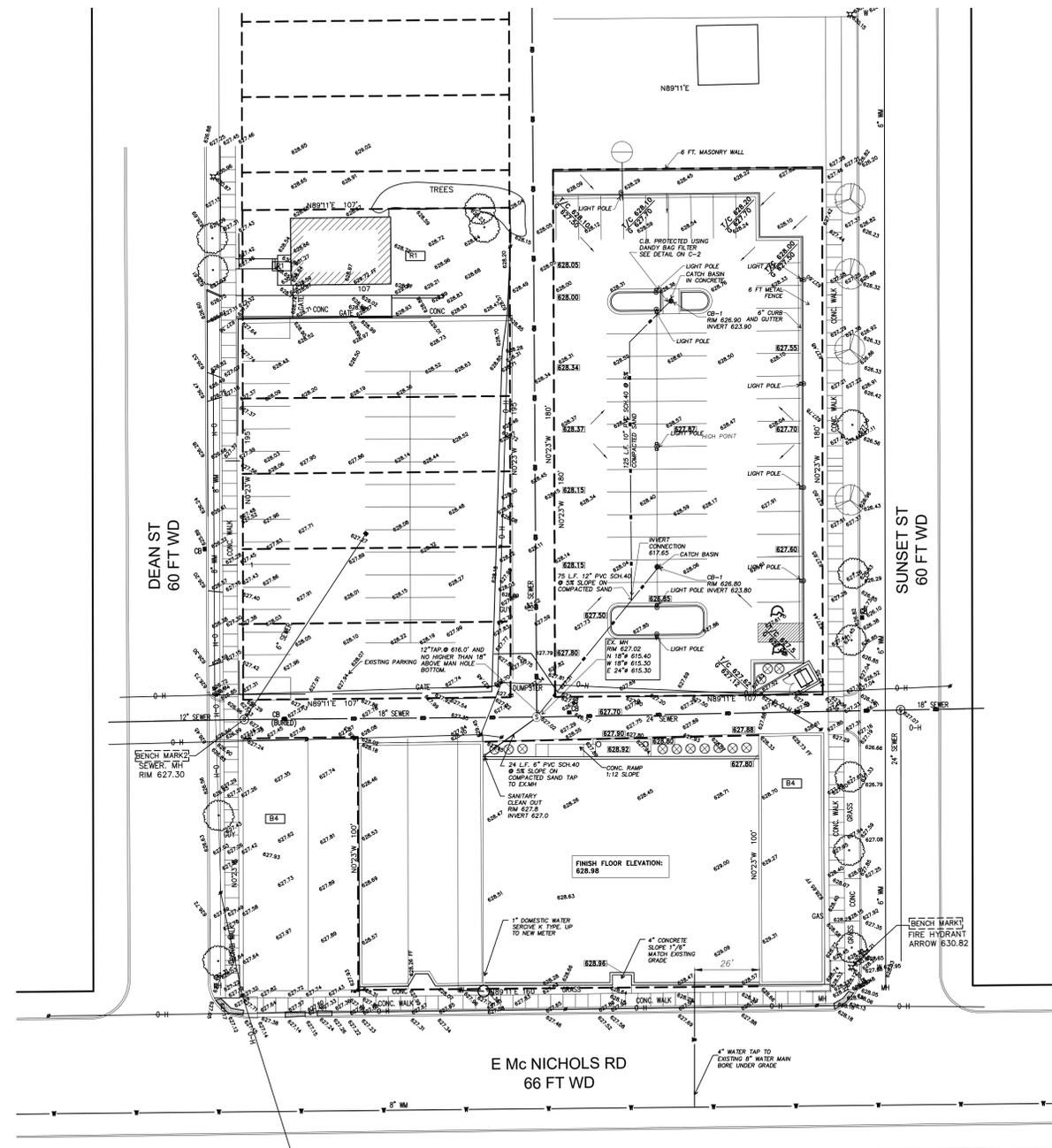
4215 E McNichold Rd, Detroit, MI 48212, (hereinafter referred to as the "Permittee") do hereby accept the terms and conditions of the City Council Resolution granting Petition Number , and agrees to comply with its requirements; and further, that pursuant to the said Resolution, Permittee does hereby agree to defend, indemnify and save harmless the City of Detroit from any and all claims, liabilities, obligations, penalties, costs, charges, demands, losses, damages, or expenses (including without limitation, fees, and expenses of attorneys, expert witness and other consultants) that may be imposed upon, incurred by or asserted against the City of Detroit or its departments, officers, employees, or agents by reason of the issuance of said permit(s), or the performance or non-performance by the Permittee of the terms of the permit(s) hereof, or that may rise out of its activities described in said Resolution by Permittee and its personnel, agents, representatives and employees.

Permittee agrees to waive, release and discharge the City of Detroit or its departments, officers, employees, or agents from any and all liability, claims, demands, and causes of action whatsoever, legal and equitable, because of damages, losses, or injuries to Permittee or Permittee's property or both, arising from or related to Permittee's activities described in said Resolution. Permittee agrees and covenants not to sue the City of Detroit or its departments, officers, employees, or agents, and to refrain from instituting, continuing, presenting, subrogating, collecting or in any way aiding or proceeding upon any claims, judgments, debts, causes of action, suits and proceedings of any kind at law or in equity arising from or related to Permittee's activities described in said Resolution.

Date November 04, 2025

Permittee Signature: _____





GRADING PLAN
SCALE: 1"=30.00'



Atelier Architect, P.C.
6346 Orchard Lake Rd Suite 16
West Bloomfield, MI 48322-2327
Phone: 248-885-8286
Fax: 248-885-8287
e-mail: info@atelierarchitect.com

Project
DURGA TEMPLE PARKING LOT

Project No.
2024-25

Certification
I here by certify that the construction documents contained herein were prepared under my direct supervision and I am a registered architect under the laws of the State of Michigan.



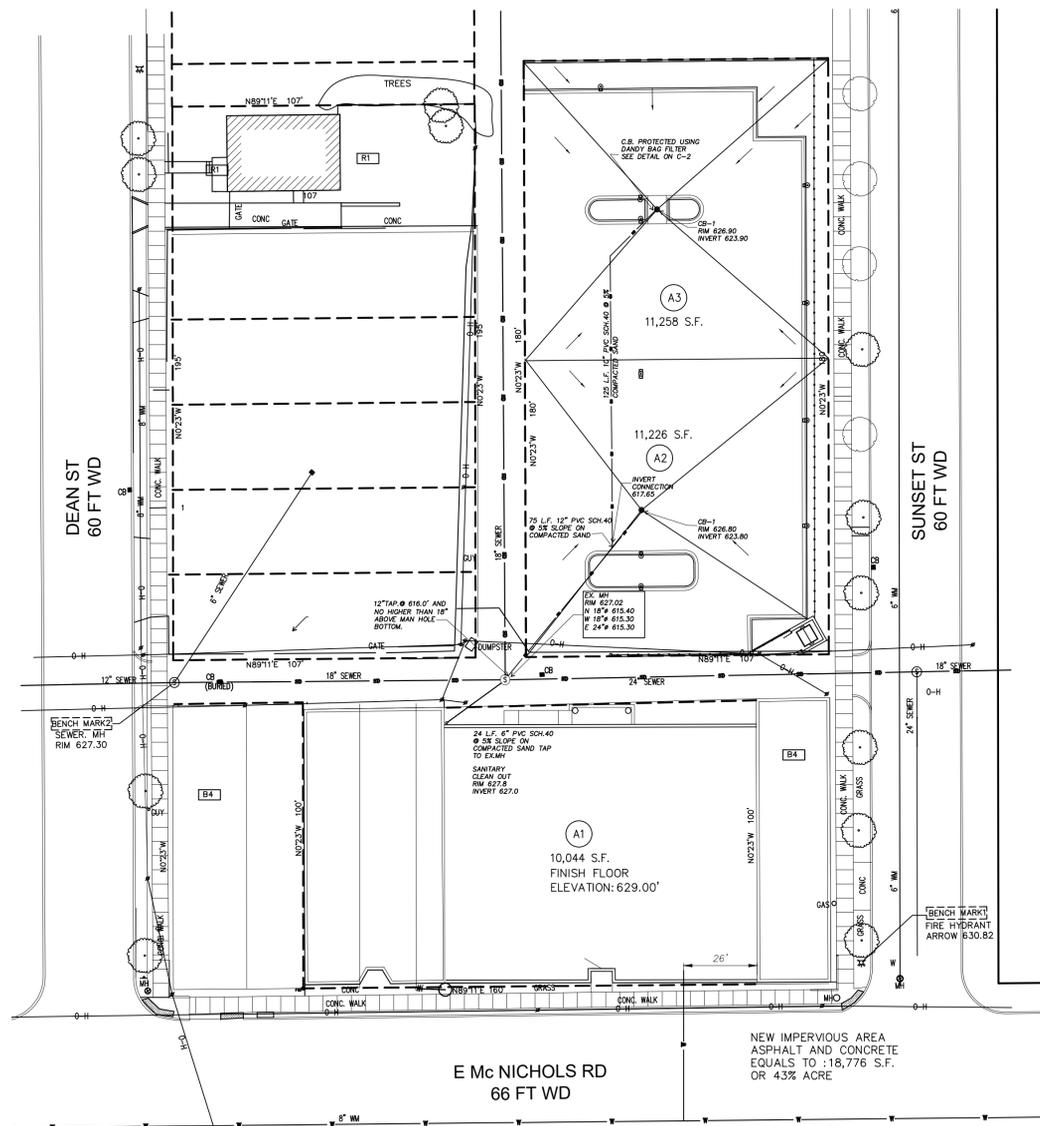
Sheet Title
GRADING PLAN

Issued **Date**
BUILDING PERMIT 10 / 30 / 2024
REVISION 1 05 / 20 / 2025

Sheet No.
C-1

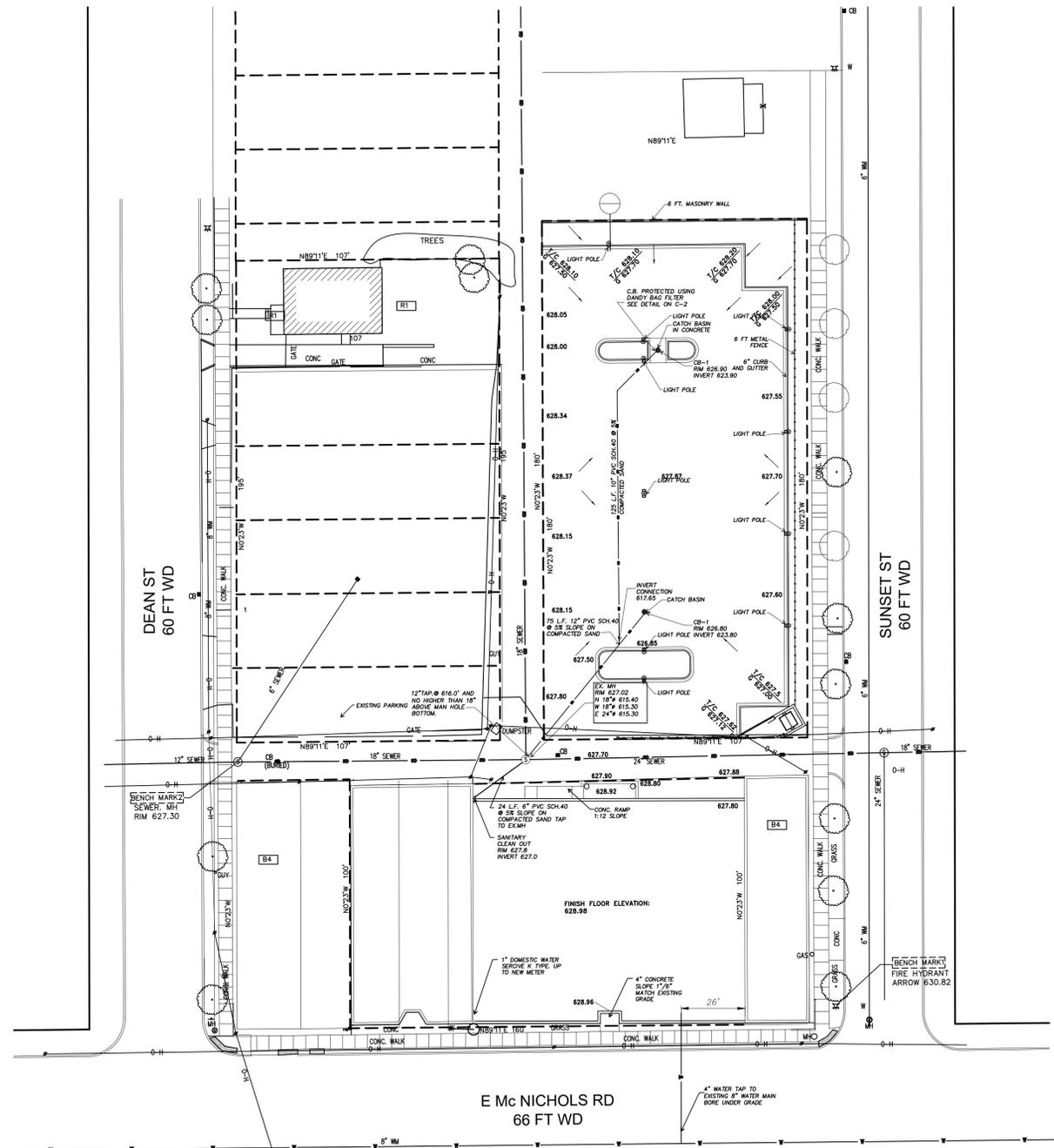
DRAINAGE AREA CALCULATIONS

AREA NAME	PAVING AREA-SF	GRASS AREA-SF	BUILDING AREA-SF	TOTAL AREA-SF	EQUIV. TOTAL AREA-SF
A1	10,044		10,044	9,573	4,787
A2	7,150	597		5,294	2,498
A3	7,360	452		6,674	3,224



AREA CALCULATION PLAN

SCALE: 1"=30.00'



UTILITY PLAN

SCALE: 1"=30.00'



Atelier Architect, P.C.

6346 Orchard Lake Rd Suite 16
West Bloomfield, MI 48322-2327
Phone: 248-885-8286
Fax: 248-885-8287
e-mail: info@atelierarchitect.com

Project

DURGA TEMPLE PARKING LOT

Project No.

2024-25

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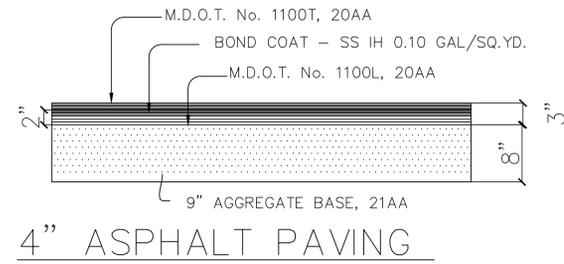
UTILITY PLAN DRAINAGE CALCULATIONS

Issued Date

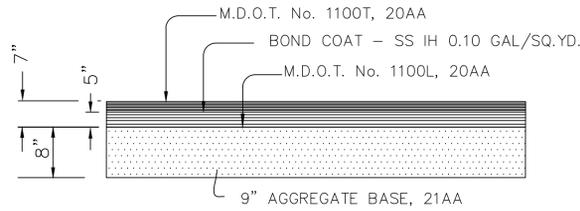
BUILDING PERMIT 10 / 30 / 2024
REVISION 1 05 / 20 / 2025

Sheet No.

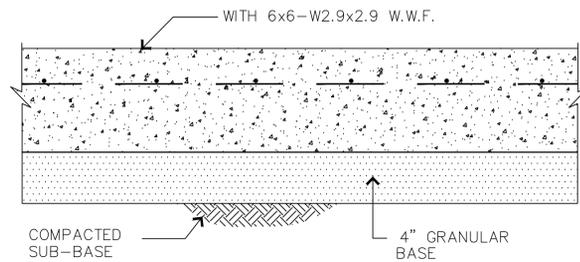
C-2



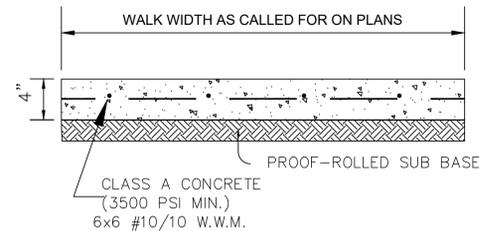
4" ASPHALT PAVING



7" ASPHALT PAVING

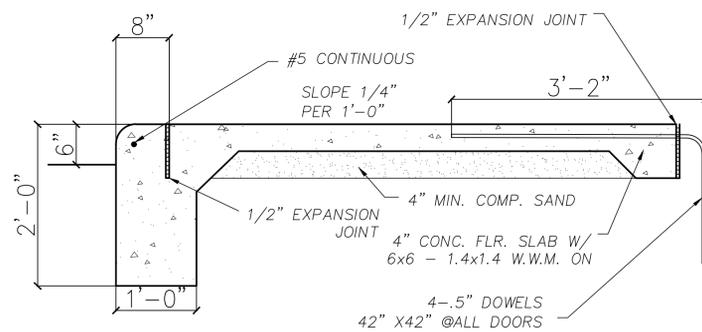


TYP. CONCRETE PAVING DETAIL (APPROACH & TRASH ENCLOSURE)



4" CONCRETE SIDEWALK

SCALE: NONE



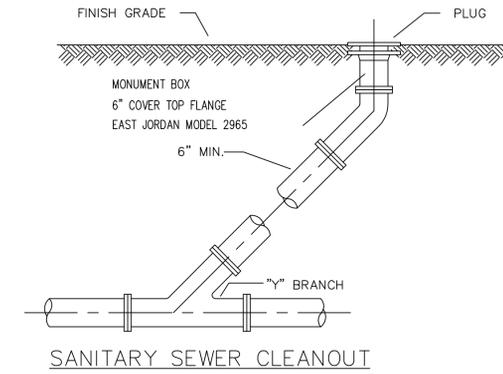
INTEGRAL CURB & WALK DETAIL

GENERAL NOTES:

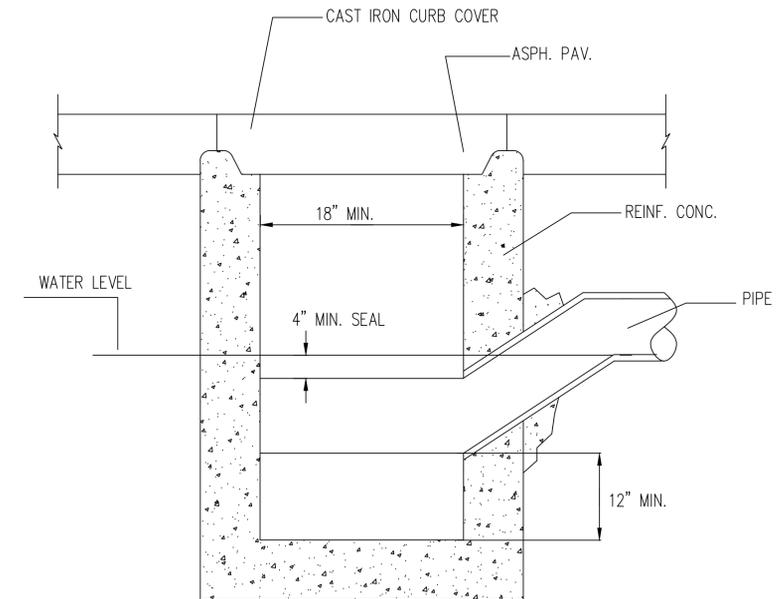
- 1- ALL CONSTRUCTION WITHIN THE STREET RIGHT-OF-WAY SHALL BE ACCOMPLISHED UNDER THE INSPECTION OF THE MICHIGAN DEPARTMENT OF TRANSPORTATION AND IN ACCORDANCE WITH THE CURRENT GENERAL SPECIFICATIONS FOR CONSTRUCTION OF ROADS, BRIDGES, AND MISCELLANEOUS CONSTRUCTION OF M.D.O.T.
- 2- THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER, AND ALL PUBLIC UTILITIES AT LEAST 48 HOURS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOT BEGIN WORK UNTIL ALL NECESSARY PERMITS ARE SECURED.
- 3- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES TO EXISTING UTILITIES CAUSED BY HIS OPERATIONS WHETHER OR NOT SHOWN ON THE PLANS. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL EXISTING UTILITIES BEFORE STARTING HIS OPERATION. ALL EXISTING UTILITIES AS SHOWN INDICATE APPROXIMATE LOCATIONS ONLY. AS DISCLOSED BY RECORDS AND NO GUARANTEE IS MADE EITHER AS TO COMPLETENESS OR ACCURACY.
- 4- ALL STREET SIGNS, MAILBOXES, DRIVEWAYS, CATCH BASINS, ETC. REMOVED, SHALL BE RESTORED TO A CONDITION OR BETTER THAN PRIOR TO CONST. ROADWAYS, DRIVES, STRUCTURES, LAWN, ETC. DAMAGED DURING CONSTRUCTION MUST BE REPLACED OR REPAIRED BY THE CONTRACTOR.
- 5- ALL SURFACE STRUCTURES SUCH AS MANHOLES, CATCH BASINS, GATE WELLS, AND FIRE HYDRANTS SHALL BE SET TO GRADE AS FURNISHED BY THE PROPRIETORS ENGINEER.
- 6- PROVISIONS FOR CONSTRUCTING TEMPORARY DETOURS DURING CONSTRUCTION IS SUBJECT TO APPROVAL BY THE TRANSPORTATION AGENCIES HAVING JURISDICTION OVER SUCH MATTERS. ALL TRAFFIC HAZARDS CREATED BY THE CONSTRUCTION WITHIN THE RIGHT-OF-WAY UNDER THE JURISDICTION OF THE BOARD SHALL BE PROPERLY BARRICADED, SIGNED AND LIGHTED IN ACCORDANCE WITH THE MICHIGAN MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES AND AS APPROVED BY THE CITY AND/OR ENGINEER.
- 7- CLEANUP SHALL CLOSELY FOLLOW CONSTRUCTION.

STORM SEWER NOTES:

- 1- ALL PIPE TO BE OF THE SIZE AND CLASS AS SHOWN ON THE PLAN. PIPE CLASSIFICATION SHALL BE IN ACCORDANCE WITH THE CITY OF DETROIT AND WAYNE COUNTY'S SPECIFICATIONS.
- 2- ALL CATCH BASINS, CROSS LEADS, INCLUDING CONNECTIONS SHALL HAVE A MINIMUM SLOPE OF 0.30% UNLESS OTHERWISE NOTED ON THE PLANS AND SHALL BE PVC SCH-40
- 3- CATCH BASIN AND INLET COVERS, WHEN LOCATED IN PAVEMENT, SHALL BE IN AGREEMENT WITH CITY OF DETROIT STANDARDS.
- 4- ALL CATCH BASINS TO HAVE EDGE DRAIN PER CITY OF DETROIT STORM SEWER STANDARD DETAIL SHEET.

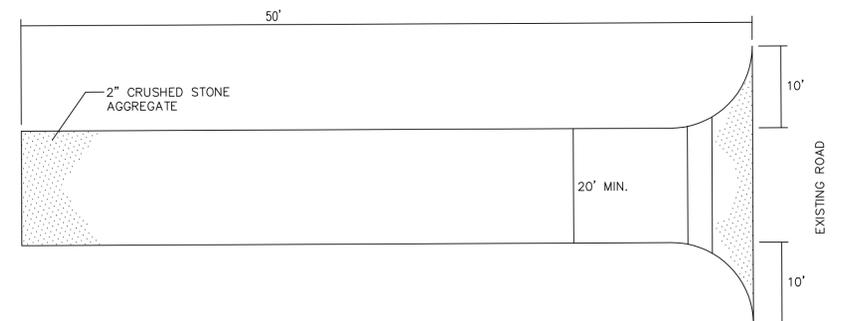


SANITARY SEWER CLEANOUT



CITY OF DETROIT CATCH BASIN DETAIL WITH STANDARD COVER

SCALE: NONE



MUD TRACKING ROAD MAT PLAN



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Project

DURGA TEMPLE PARKING LOT

Project No.

2024-25

Certification

I here by certify that the construction documents contained herein were prepared under my direct supervision and I am a registered architect under the laws of the State of Michigan.



Sheet Title

SITE DETAILS

Issued Date

BUILDING PERMIT 10 / 30 / 2024
REVISION 1 05 / 20 / 2025

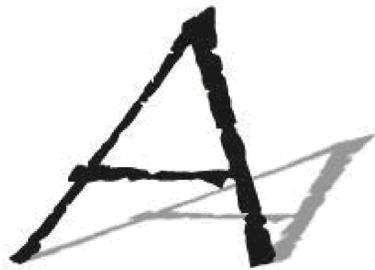
Sheet No.

C-3

Durga Temple Parking: 4231 East Mc Nicholas Rd. Detroit, Michigan

Proprietor / Applicant:

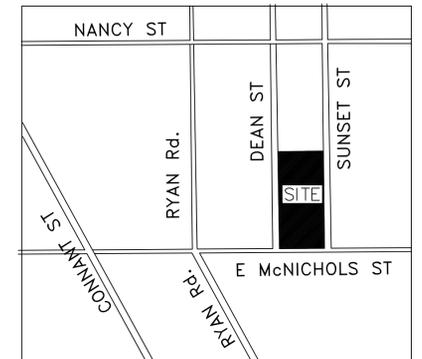
Durga Temple
4215 E McNichols Rd, Detroit, MI 48212



Atelier Architect, Inc.
1368 Cole St.
PHONE: 248-790-1639
EMAIL :mojaradifareed@gmail.com

SHEET INDEX:

- COVER SHEET
- SURVEY
- SP-1 DIMENSION PLAN
- C-1 GRADING PLAN
- C-2 UTILITY PLAN
- C-3 DETAILS
- E-1 PHOTOMETRIC SITE PLAN



LOCATION MAP
NO SCALE



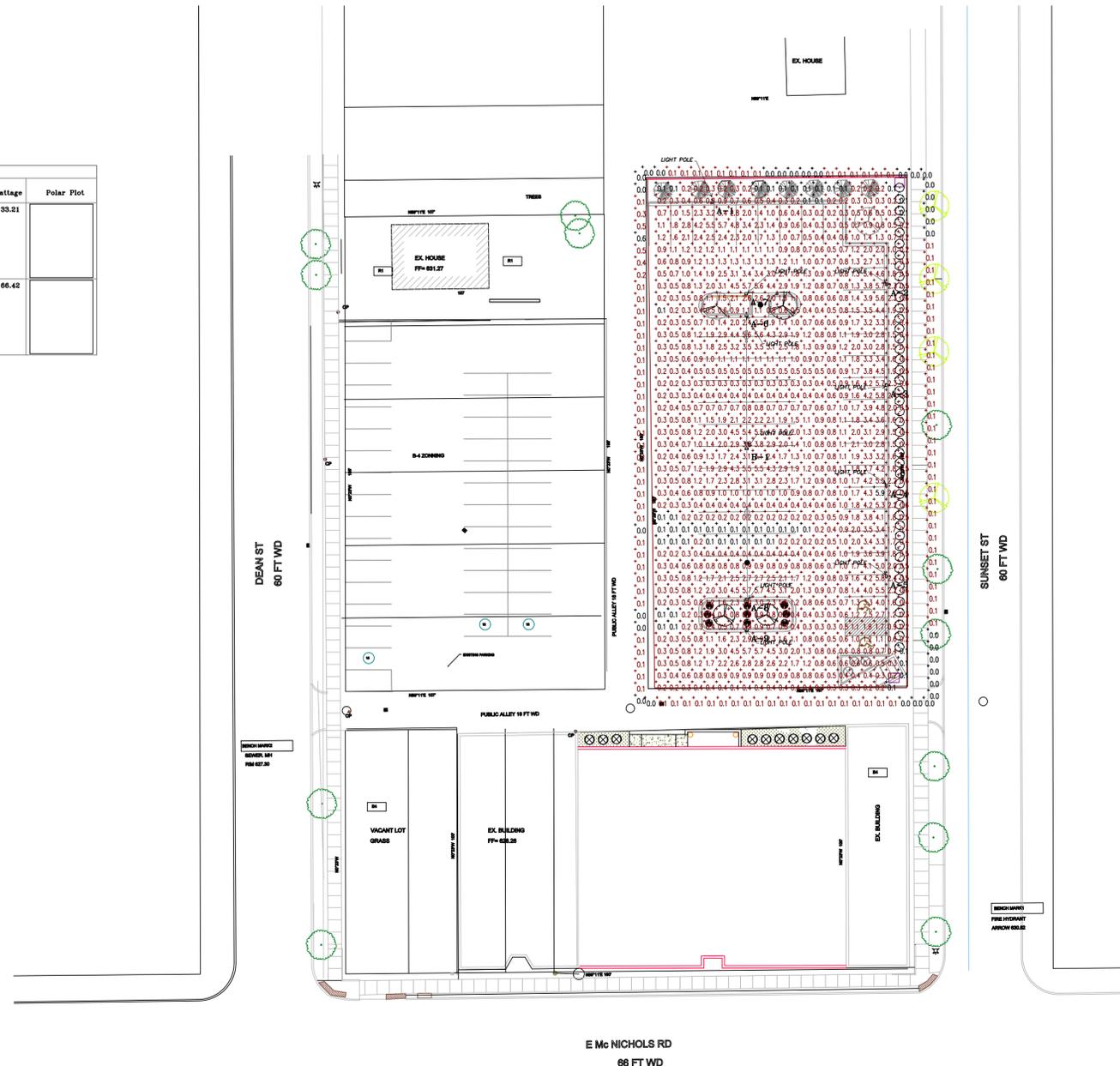
BUILDING PERMIT SUBMISSION:
10 / 30 / 2024

REVISION ONE SUBMISSION:
05 / 20 / 2025

Symbol	Label	Image	QTY	Catalog Number	Description	Lamp	Number Lamps per Lamp	Lumens	LLF	Wattage	Polar Plot
□	A		0	DXCO LED P1 27X 60	Series Size 0 Area Luminaire P1 Performance Package 2700K CCT 90 CR Automotive Front Row House Side Shield Forward External Glare Shield		1	3074	0.9	33.21	
□	B		1	DXCO LED P1 27X 60	Series Size 0 Area Luminaire P1 Performance Package 2700K CCT 90 CR Automotive Front Row House Side Shield Forward External Glare Shield		1	3074	0.85	66.42	

Statistics						
Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Calc Zone #1	+	1.3 fc	6.9 fc	0.1 fc	59.0:1	19.0:1
Calc Zone #2	+	0.1 fc	0.6 fc	0.0 fc	N/A	N/A

Luminaire Locations										
		Location				Aim				
No.	Label	X	Y	Z	MH	Orientation	Tilt	X	Y	Z
1	A	312.87	377.53	15.00	15.00	178.07	0.00	312.71	376.39	0.00
2	A	385.93	342.77	15.00	15.00	270.00	0.00	384.79	342.77	0.00
3	A	385.80	301.30	15.00	15.00	270.00	0.00	384.65	301.30	0.00
4	A	385.80	259.89	15.00	15.00	270.00	0.00	384.65	259.89	0.00
5	A	385.90	222.83	15.00	15.00	270.00	0.00	384.65	222.83	0.00
6	A	328.89	331.02	15.00	15.00	180.00	0.00	328.89	329.88	0.00
7	A	328.74	337.73	15.00	15.00	0.00	0.00	328.74	338.87	0.00
8	A	327.01	212.08	15.00	15.00	0.00	0.00	327.01	213.22	0.00
9	A	327.01	201.79	15.00	15.00	180.00	0.00	327.01	200.64	0.00
1	B	326.96	276.55	15.00	15.00	0.00	0.00			



PHOTOMETRIC SITE PLAN
SCALE: 1"=30.00'



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Project
DURGA TEMPLE PARKING LOT
Project No.
2024-24

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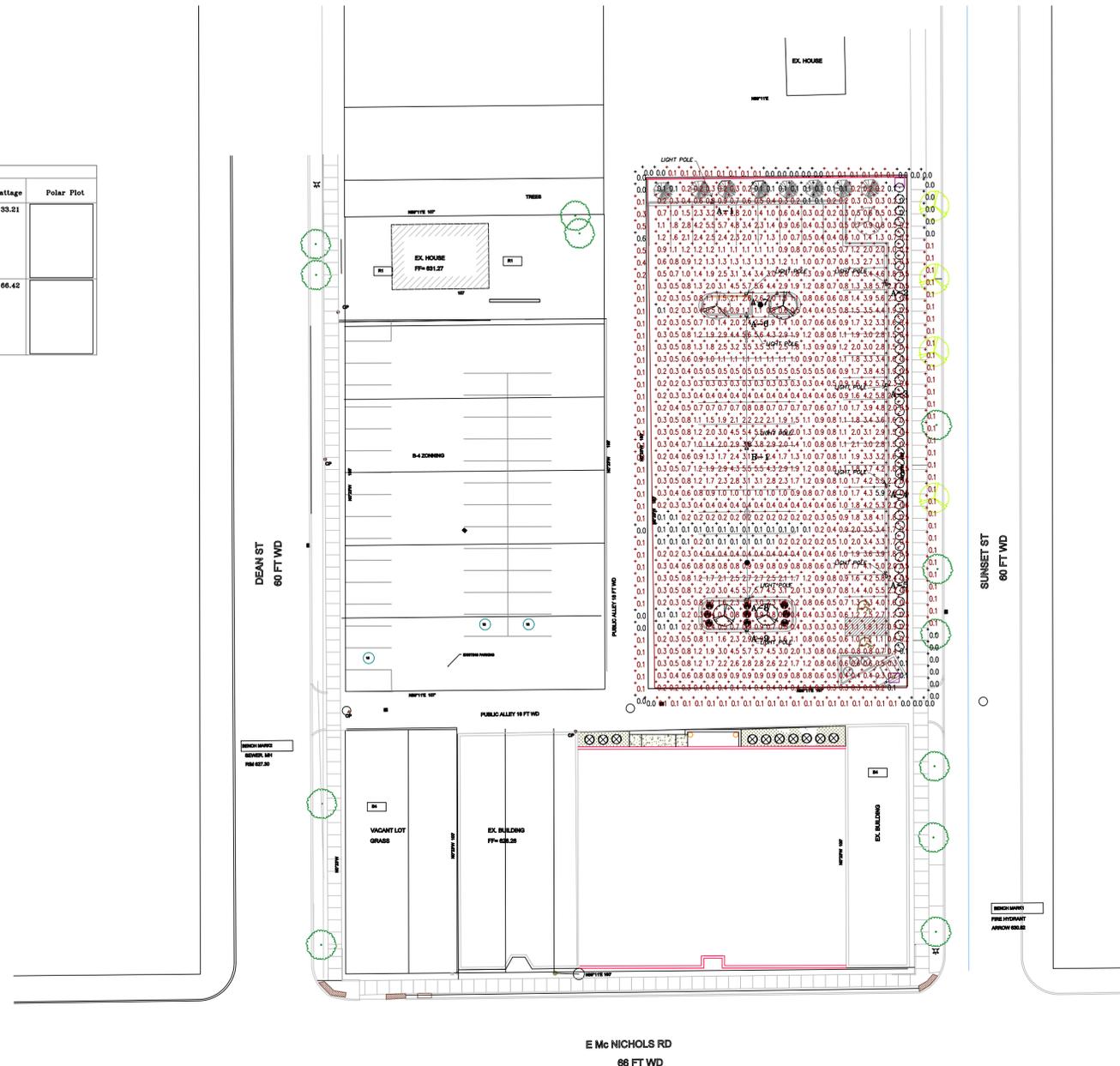
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Sheet No.
E-1

Symbol	Label	Image	QTY	Catalog Number	Description	Lamp	Number Lamps per Lamp	Lumens	LLF	Wattage	Polar Plot
□	A		0	DXCO LED P1 27X 60	Series Size 0 Area Luminaire P1 Performance Package 2700K CCT 90 CR Automotive Front Row House Side Shield Forward External Glare Shield		1	3074	0.9	33.21	
□	B		1	DXCO LED P1 27X 60	Series Size 0 Area Luminaire P1 Performance Package 2700K CCT 90 CR Automotive Front Row House Side Shield Forward External Glare Shield		1	3074	0.85	66.42	

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Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
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Calc Zone #2	+	0.1 fc	0.6 fc	0.0 fc	N/A	N/A

Luminaire Locations										
		Location				Aim				
No.	Label	X	Y	Z	MH	Orientation	Tilt	X	Y	Z
1	A	312.87	377.53	15.00	15.00	178.07	0.00	312.71	376.39	0.00
2	A	385.93	342.77	15.00	15.00	270.00	0.00	384.79	342.77	0.00
3	A	385.80	301.30	15.00	15.00	270.00	0.00	384.65	301.30	0.00
4	A	385.80	259.89	15.00	15.00	270.00	0.00	384.65	259.89	0.00
5	A	385.90	222.83	15.00	15.00	270.00	0.00	384.65	222.83	0.00
6	A	328.89	331.02	15.00	15.00	180.00	0.00	328.89	329.88	0.00
7	A	328.74	337.73	15.00	15.00	0.00	0.00	328.74	338.87	0.00
8	A	327.01	212.08	15.00	15.00	0.00	0.00	327.01	213.22	0.00
9	A	327.01	201.79	15.00	15.00	180.00	0.00	327.01	200.64	0.00
1	B	326.96	276.55	15.00	15.00	0.00	0.00			



PHOTOMETRIC SITE PLAN
SCALE: 1"=30.00'



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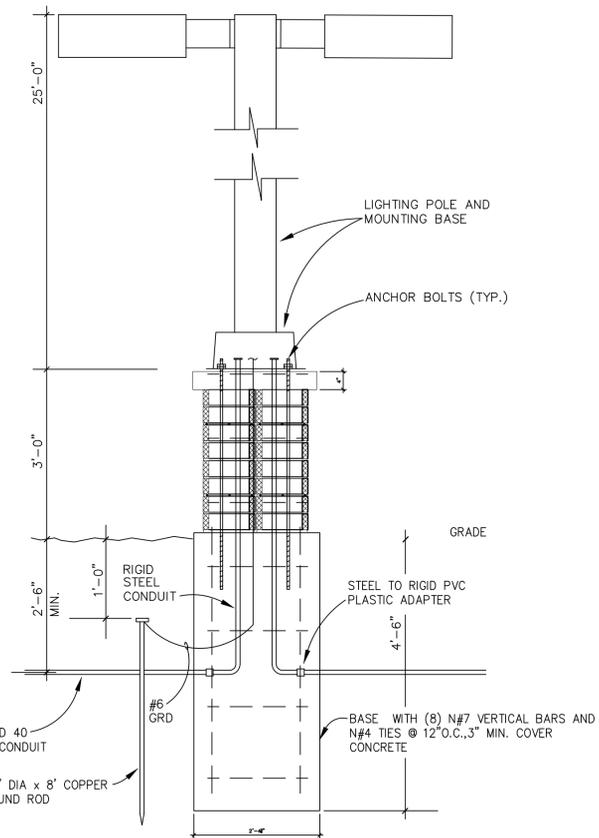
Issued Date

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REVISION ONE 05 / 20 / 2025

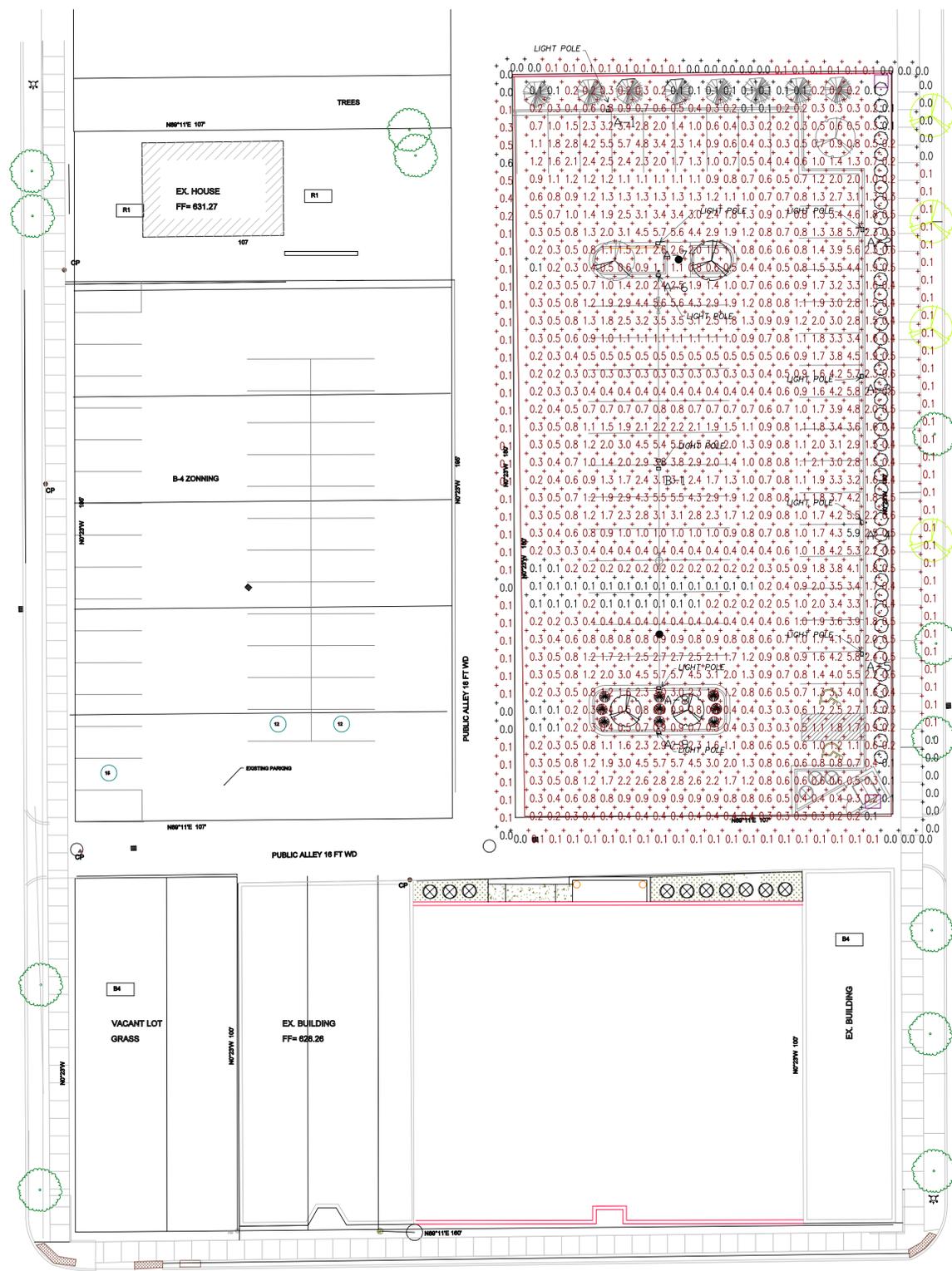
Symbol	Label	Image	QTY	Catalog Number	Description	Lamp	Number Lamps	Lumens per Lamp	LLF	Wattage	Polar Plot
	A		9	DSX0 LED P1 27K 8000 AFR HS EGS-F	Series Size 0 Area Luminaire P1 Performance Package 2700K CCT 80 CRI Automotive Front Row Houseside Shield Forward External Glare Shield		1	3074	0.9	33.21	
	B		1	DSX0 LED P1 27K 8000 AFR HS EGS-F	Series Size 0 Area Luminaire P1 Performance Package 2700K CCT 80 CRI Automotive Front Row Houseside Shield Forward External Glare Shield		1	3074	0.85	66.42	

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Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
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Calc Zone #2	+	0.1 fc	0.6 fc	0.0 fc	N/A	N/A

Luminaire Locations										
No.	Label	Location					Aim			
		X	Y	Z	MH	Orientation	Tilt	X	Y	Z
1	A	312.67	377.53	15.00	15.00	178.07	0.00	312.71	376.39	0.00
2	A	385.93	342.77	15.00	15.00	270.00	0.00	384.79	342.77	0.00
3	A	385.80	301.30	15.00	15.00	270.00	0.00	384.65	301.30	0.00
4	A	385.80	259.99	15.00	15.00	270.00	0.00	384.65	259.99	0.00
5	A	385.80	222.83	15.00	15.00	270.00	0.00	384.65	222.83	0.00
6	A	326.89	331.02	15.00	15.00	180.00	0.00	326.89	329.88	0.00
7	A	326.74	337.73	15.00	15.00	0.00	0.00	326.74	338.87	0.00
8	A	327.01	212.08	15.00	15.00	0.00	0.00	327.01	213.22	0.00
9	A	327.01	201.79	15.00	15.00	180.00	0.00	327.01	200.64	0.00
1	B	326.96	276.35	15.00	15.00	0.00	0.00			



LIGHT POLE



E Mc NICHOLS RD

66 FT WD

ELECTRICAL SITE PLAN

1" = 20'-0"

SUNSET ST
60 FT WD



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2022-23

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Sheet Title

ELECTRICAL SITE PLAN

Issued Date

PERMIT 03 / 08 / 2024
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REVISION 2 10 / 30 / 2024
REVISION 3 06 / 02 / 2025

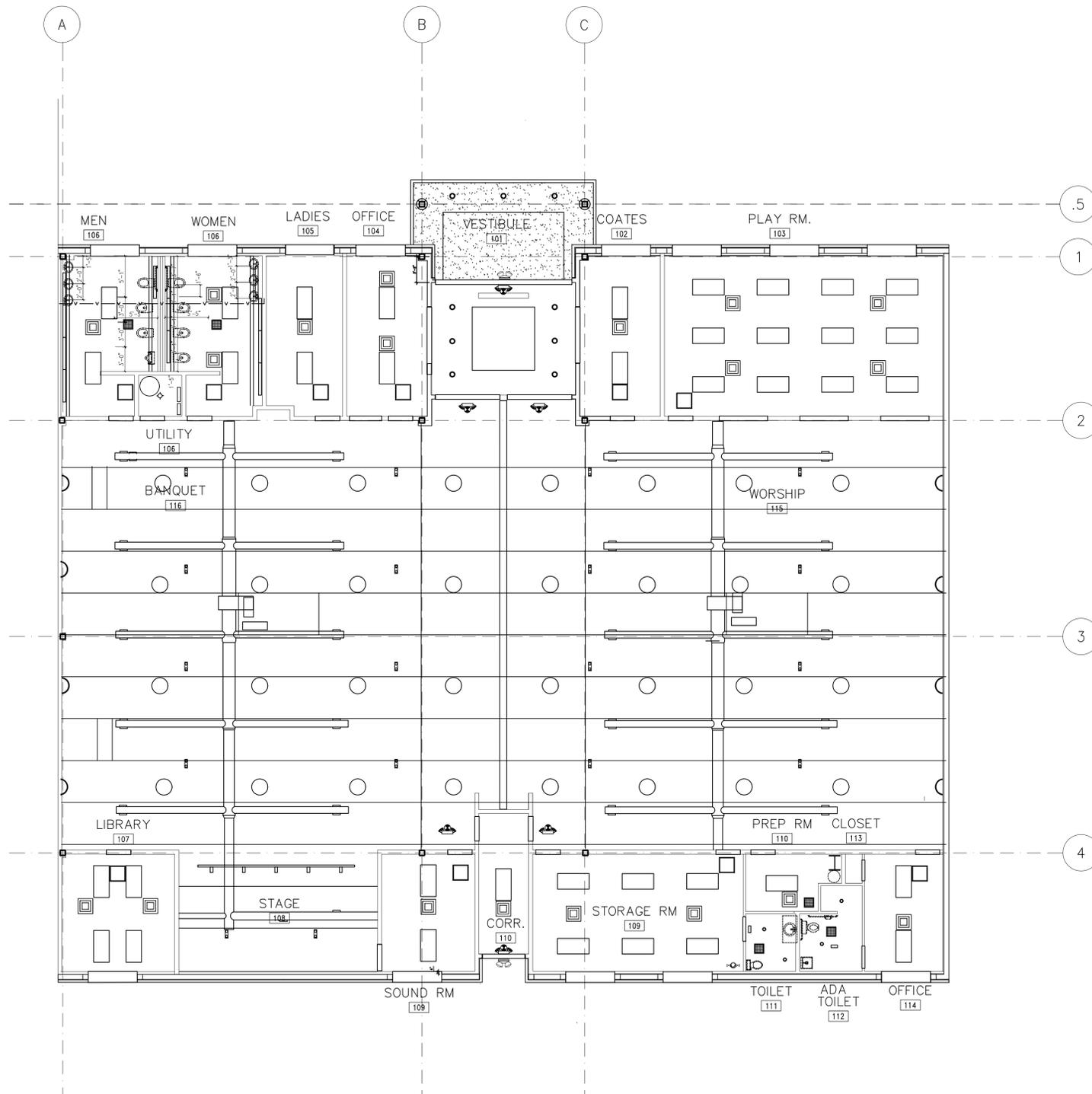
Sheet No.

E-1

LUMINAIRE SCHEDULE						
SYMBOL	CATALOGUE NUMBER DESCRIPTION	BALAST	VOLT	LAMP	LUMENS	WATTS
□ A	LITHONIA 2GTB 4 32 A12 MVOLTI/4 GEB10IS NY	1	120-277	4 LAMP 32-WATT TB		32
▬ B	LITHONIA CSS L48 4000LM MVOLT 40K 80CRI 4 MVOLT LED Strip Light	1	120-277		4298	35.3
○ C	LAKELAND LK1024L	1	120-277	4-60W A19 (240W) 1-100W PAR38 (100W)		
○ D	8" DIA. DOWN LIGHT, 75W					
○ E	6" DIA. DOWN LIGHT, 75W					
⊕ X	LLC2URW12R LLC2 Series, Universal Face, Red Letters, White Housing, 12 W Remote Capacity		120/277	5.4 W, T-5 Tungsten lamp		
⊕ EM	E11B16WE1 Series, 6 V 18 W, 6 W Tungsten Lamps, White		120/277	6 W, Tungsten lamp		
⊕ EL	Remote Head Mounting Plate, Cast Aluminum, Weatherproof, Single Head, Fits 3 or 4" Round Box Remote Head, NEMA Rated, Par 35, 6 V 18 W Tungsten		120/277	20 W MR16 Halogen		

- LIGHTING FIXTURES SCHEDULE NOTES:**
1. PROVIDE FIXTURE WITH ENERGY SAVING BALLAST
 2. COORDINATE EXACT LOCATION OF FIXTURES WITH PLAN
 3. PROVIDE FIXTURE WITH UL-WET LOCATION PLAN
 4. PROVIDE LOW TEMPERATURE BALLAST FOR EXTERIOR FIXTURES
 5. FIXTURES SHALL BE HUNG WITH AIRCRAFT SUSPENSION CABLE (ZACCHI M100) WITH TOP OF FIXTURE AT 11'-6" (ZACCHI M100)
 6. USE PSL 400 BALLASTS IF ADDITIONAL COVERAGE IS REQUIRED
 7. IF NECESSARY TO PROVIDE MINIMUM 1 FOOT-CANDLE ALONG PATH OF EGRESS

INSTALL AN OCCUPANT SENSOR TURNING LIGHTS OFF WITHIN 30 MINUTES OF AN OCCUPANT LEAVING A SPACE



LIGHTING PLAN

1/8" = 1'-0"



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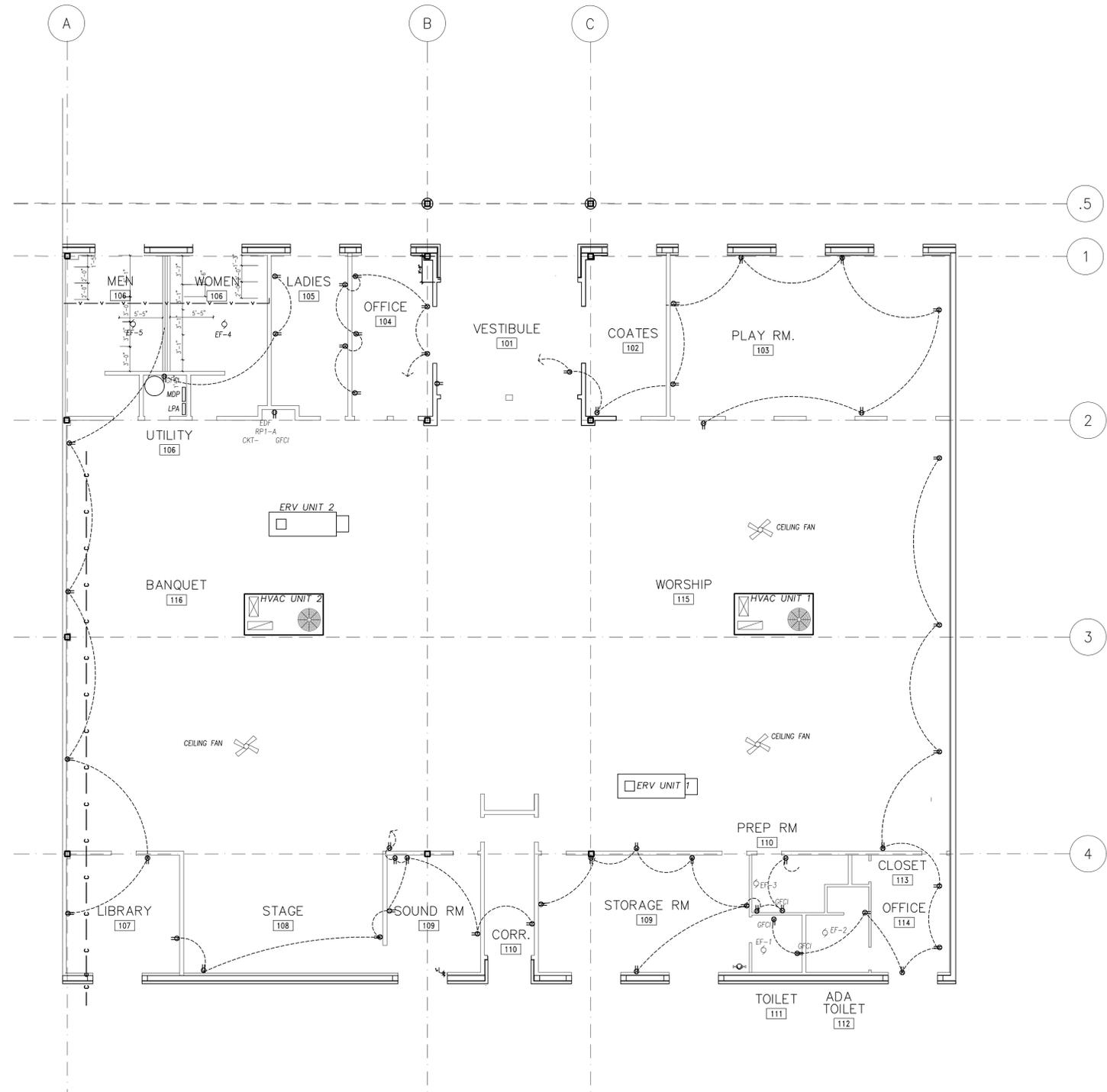
Sheet Title

LIGHTING PLAN

Issued Date

PERMIT	03 / 08 / 2024
REVISION 1	07 / 11 / 2024
REVISION 2	10 / 30 / 2024

Sheet No.
E-2



POWER PLAN
 $\frac{1}{8}'' = 1'-0''$



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Project
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Project No.
 2022-23

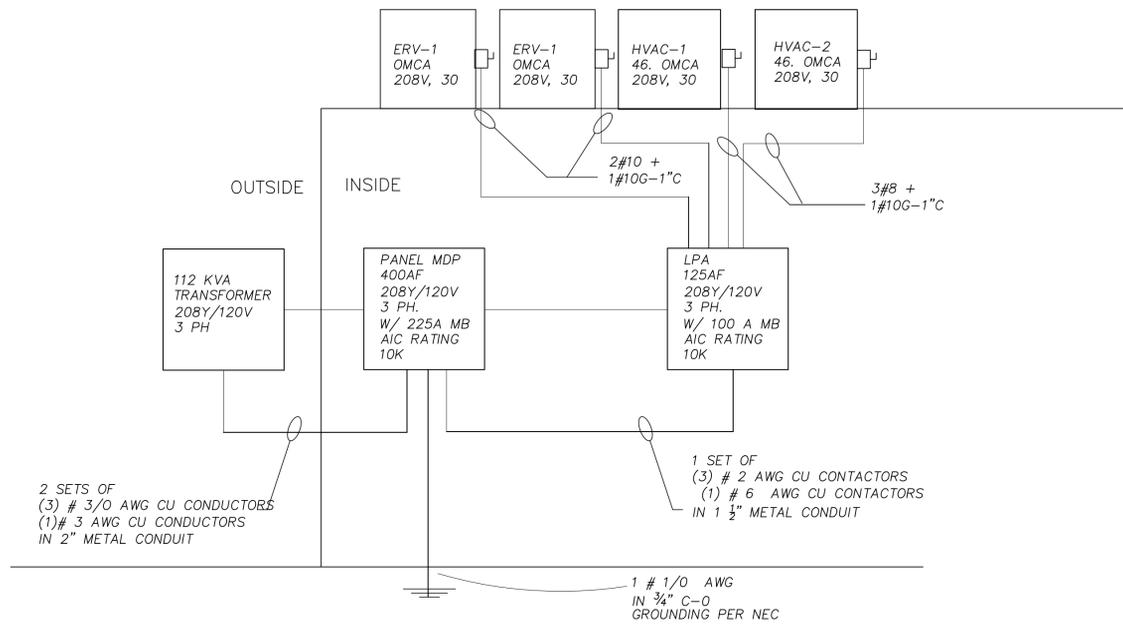
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Sheet Title
 POWER PLAN

Issued	Date
PERMIT	03 / 08 / 2024
REVISION 1	07 / 11 / 2024
REVISION 2	11 / 30 / 2024

Sheet No.
 E3



ELECTRICAL RISER DIAGRAM

- AVAILABLE UTILITY INFINITE ASSUMPTION
- 112.5KVA 4.5%Z, 120/208V, 3 PHASE, 20', 3/0 SINGLE CONDUCTORS, 2 PER PHASE.
- MAGNETIC CONDUIT
- AIC RATING OF PANEL'S, MDP AND LPA, ARE 10K.

NOTE FOR PANEL MDP

- DEMAND AMPACITY, FOR PANEL MDP, IS 200.5A

PANEL MDP LOAD CALCULATIONS

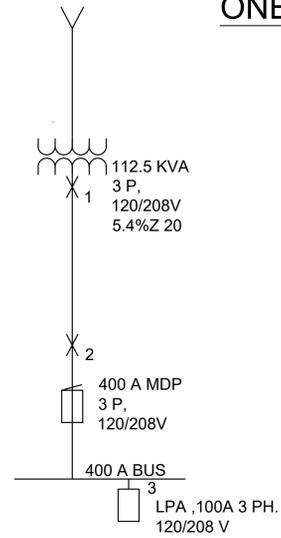
Load	KVA CONNECTED	DF	DEMAND KVA CONNECTED
LIGHTING			
PANEL MDP.			
PANEL LPA	20,160VA.	1.25.	24,162VA
PANEL MDP			
HVAC			
HVAC1.	11910VA.	1.25.	14,887.5VA
HVAC2.	11910VA.	1.	11910VA
TOTAL HVAC IN PANEL MDP.	23,820VA.		26,797.5VA
Receptacles			
PANEL MDP.	12,060VA		11,030VA
TOTAL.	12,060VA.		11,030VA
Motors			
EXHAUST FAN1.	3,560VA.	1.	1,780VA
EXHAUST FAN2.	3,560VA.	1.	1,780VA
WATER HEATER.	800VA.	1.	800VA
WATER FOUNTAIN.	500VA.	1.	500VA
PAGE 2 LOAD CALCULATIONS			
CEILING FANS 457.5VA EA. TOTAL OF 4 UNITS	1,830VA.	1.	1,830VA
TOTAL MOTOR LOAD.	10,250VA.	1.	10,250VA
TOTAL CONNECTED MDP LOAD	66,285VA.		CONNECTED AMPS 179.57A
TOTAL DEMAND LOAD MDP.	72,239.5VA		
TOTAL DEMAND AMPS 200.A			
BREAKER TO BE INSTALLED FOR PANEL MDP SHALL BE 225A			

AVAILABLE FAULT CURRENT CALCULATION NOTES FOR DURGA TEMPLE

- AVAILABLE UTILITY INFINITE ASSUMPTION
- 112.5KVA 4.5%Z, 120/208V, 3 PHASE, 20', 3/0 SINGLE CONDUCTORS, 2 PER PHASE.
- MAGNETIC CONDUIT
- AIC RATING OF PANEL'S, MDP AND LPA, ARE 10K.

NOTE FOR PANEL MDP

- DEMAND AMPACITY, FOR PANEL MDP, IS 200.5A



ONE LINE SHORT CIRCUIT DIAGRAM

FAULT X1 LOAD SIDE OF TRANSFORMER 125KVA

$$\text{STEP 1, IFL} = 112.5 \text{ KVA} \times 1000 / 208 \times 1.732 = 312.28 \text{ A} \times 208 \times 1.732$$

$$\text{STEP 2 MULTIPLIER} = 100 / 5.4 = 18.52$$

$$\text{STEP 3 } 312.28 \times 18.52 = 5,783.42 \text{ A}$$

Is c. MOTOR CONTRIBUTION =

$$4 \times 312.28 \text{ A} = 1249.12 \text{ A}$$

$$\text{TOTAL s.c. sim rms} = 5,777.1 \text{ A} + 1,249.12 \text{ A} = 7,026.22 \text{ A}$$

FAULT X 2 400 A MDP

$$\text{STEP 4 F} = 1.732 \times 20' \times 5783.43 / (2 \text{CX } 12,843) \times \text{C208 V} = .037$$

$$\text{STEP 5 M} = 1 \times 1 = .96432$$

$$1 + \text{F} = 1.037$$

$$\text{STEP 6 Is.c sum rms} = \text{Is.c.} \times \text{M} = 5,783.42 \times .96432 = 5,777.1 \text{ A}$$

$$\text{Is.c. MOTOR CONTRIBUTION} = 4 \times 312.28 \text{ A} = 1249.12 \text{ A}$$

Panel 'LPA', 120/208 VOLT, 3 PHASE, 4 WIRE, 125 AMP, 100A MCB, SURFACE MOUNT, NEMA 1																
CKT #	Description	Wire Size	AMP	POLES	Total Phase per kwatts in			Total Phase Per kWatts In			POLES	AMP	Wire Size	Description	CKT #	
					A	B	C	A	B	C						
1	FIXTURE C	12	20	1	0.8			1.92			1	20	12	FIXTURE C	2	
3	FIXTURE C	12	20	1		0.8		1.92			1	20	12	FIXTURE C	4	
5	FIXTURE C	12	20	1			0.8		1.92	1.92	1	20	12	FIXTURE C	6	
7	FIXTURE C	12	20	1	0.8			1.92			1	20	12	FIXTURE C	8	
9	FIXTURE E	12	20	1		0.8			1.664	1.664	1	20	12	FIXTURE A	10	
11	EM, X, EL FIXT	12	20	1			0.54			1.664	1.664	1	20	12	FIXTURE A	12
13								1.538			1	20	12	FIXTURE A	14	
15									1.6		1	20	12	Outside lights	16	
17	FIXTURE F	12	20	1			0.3			0.675	1	20	12	FIXTURE D	18	
19															20	
21															22	
23										0.494	1	20	12	FIXTURE B	24	
25															26	
27															28	
29															30	
31															32	
33															34	
35															36	
37															38	
39															40	
41																
Totals					1.6	1.6	1.64	5.378	5.184	4.753						

PHASE A	PHASE B	PHASE C	TOTAL PANEL CONNECTED KVA = 20.16 KVA TOTAL
5.378	5.184	4.753	
1.6	1.6	1.64	
TOTALS 6.978 KVA	6.784	6.393	
CONNECTED AMPS = 55.96A			
DEMAND LIGHTING LOAD = 20.16 KVA X 1.25 = 24.162 KVA DEMAND AMPS = 67.152A PANEL TO BE INSTALLED 125A BUS WITH 100A MCB			

Panel 'MDP', 120/208 VOLT, 3 PHASE, 4 WIRE, 400 AMP, 225A MCB, SURFACE MOUNT, NEMA 1															
CKT #	Description	Wire Size	AMP	POLES	Total Phase per kwatts in			Total Phase Per kWatts In			POLES	AMP	Wire Size	Description	CKT #
					A	B	C	A	B	C					
1	HVAC #1	8	35	3	3.97			3.97			3	35	8	HVAC #2	2
3						3.97		3.97							4
5	ERV #1	12	20	2	1.78			6.98		6.98	3	100	2	PANEL LPA	6
7						1.78		6.784		6.393					8
9	ERV #2			2			1.78		6.393						10
11					1.78			1.62		6.393					12
13								1.62			1	20	12	101_104_105	14
15	101_102_10	12	20	1	1.62			1.62		1.62	1	20	12	105_106_116_107	16
17	112	12	20	1			1.8			1.62	1	20	12	107_108_109_110	18
19								1.62			1	20	12	STORAGE ROOM	20
21	WATER HTR	12	20	1			0.8								22
23										1.8	1	20	12	112_113_HALL	24
25															26
27	WATER	12	20	1		0.5									28
29															30
31															32
33	ROOFTOP RECPTICA	12	20	1		0.36									34
35	CFILING	12	20	2			0.915		0.915						36
37					0.915										38
39															40
41															
Totals					8.445	9.03	8.465	14.19	12.374	13.783					

PHASE A	PHASE B	PHASE C	TOTAL PANEL CONNECTED KVA = 66.3.
8.445	9.03	8.465	
14.19	12.374	13.783	
TOTAL 22.64 KVA	21.404 KVA	22.248 KVA	
CONNECTED AMPS = 184 A			

TOTAL DEMAND LOAD 72.24KVA TOATAL DEMAND AMPS 197.8A
BREAKER TO BE INSTALLED 300A
SEE MDP LOAD CALCULATION SHEET



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Project

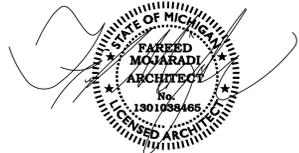
DURGA TEMPLE

Project No.

2022-23

Certification

I here by certify that the construction documents contained herein were prepared under my direct supervision and I am a registered architect under the laws of the State of Michigan.



Sheet Title

POWER PLAN

Issued Date

PERMIT 03 / 08 / 2024
REVISION 1 07 / 11 / 2024
REVISION 2 11 / 30 / 2024

Sheet No.

E3