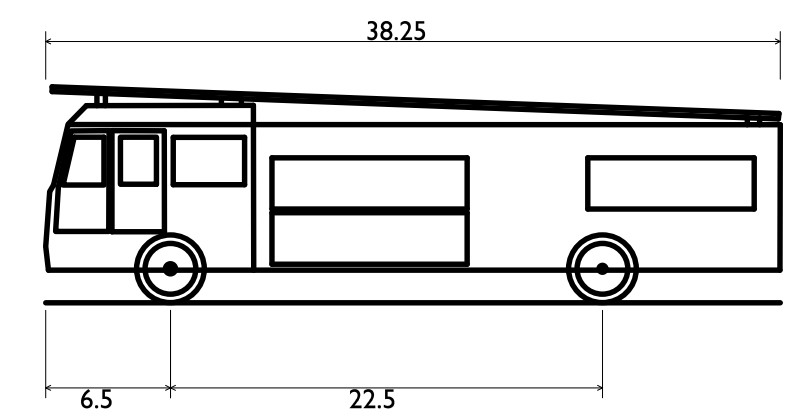
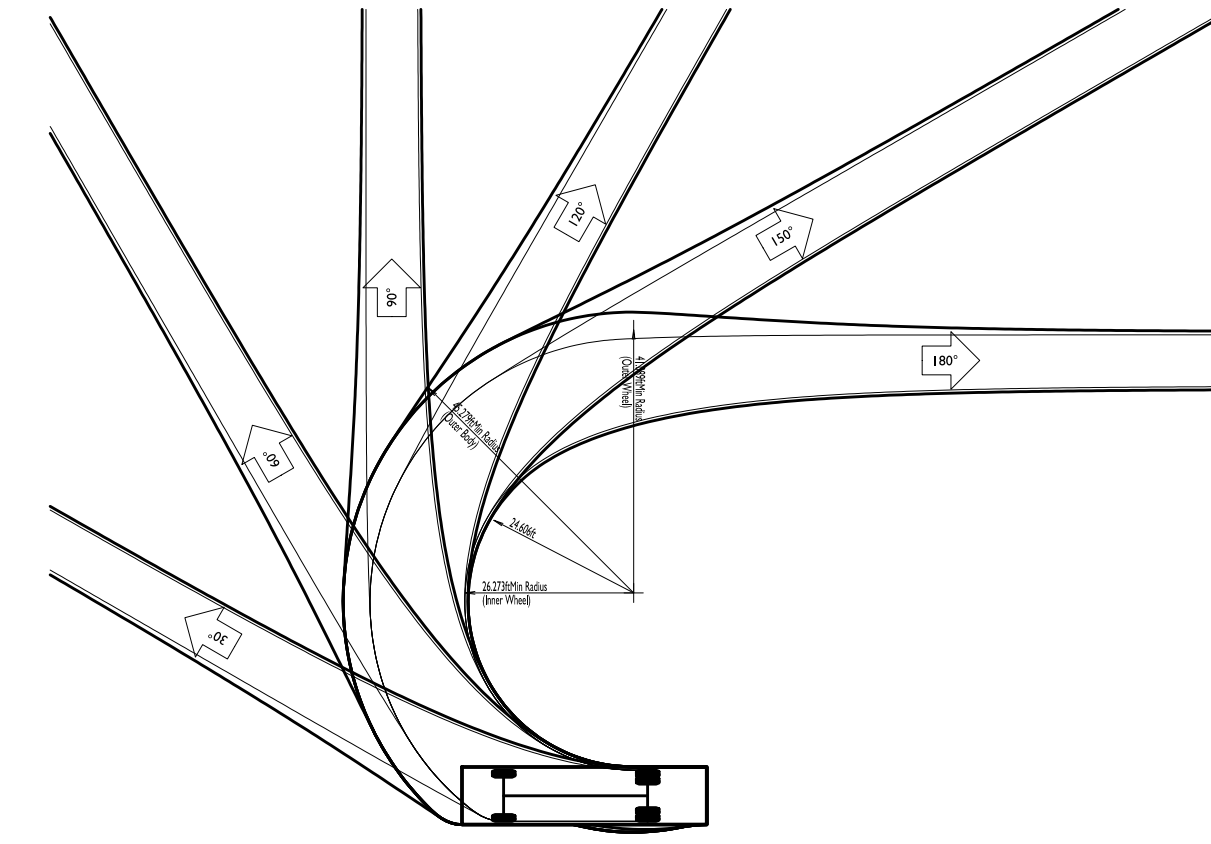
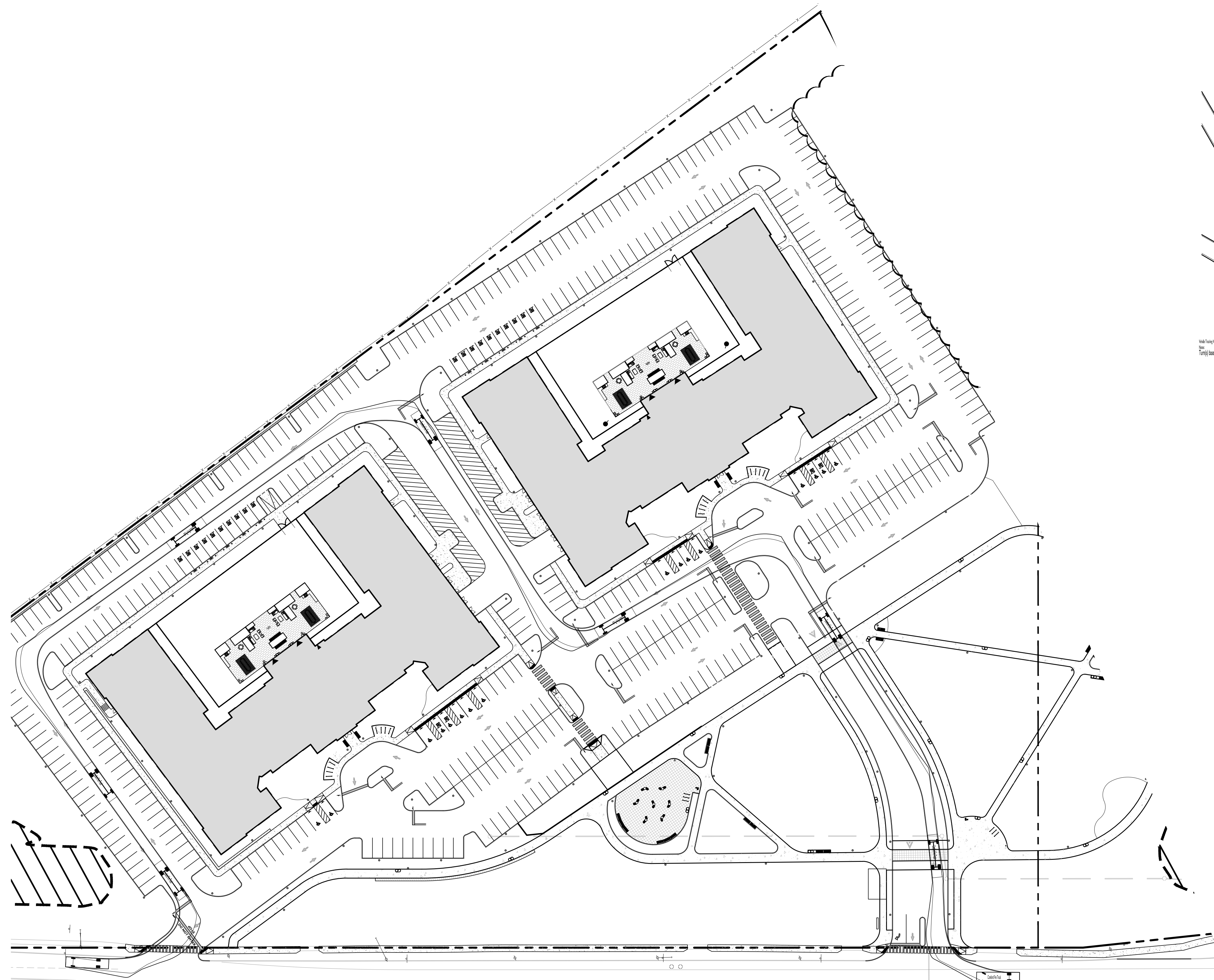
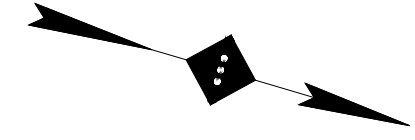
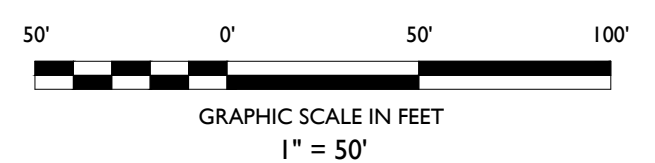


T:\2021\16571\HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CADD\PHR\2022\02\FV\_VEHICLE MANEUVERING EXHIBIT.dwg



Cranford Fire Truck  
 Overall Length 38.250ft  
 Overall Width 9.000ft  
 Overall Body Height 11.250ft  
 Min Body Ground Clearance 1.701ft  
 Track Width 8.000ft  
 Lock-to-lock time 6.00s  
 Max Wheel Angle 40.00°

**DATE PREPARED:**  
09/21/2022



ISSUE	DATE	BY	DESCRIPTION
1	09/21/2022	NK	FOR TOWNSHIP HEARING

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VEHICLE MANEUVERING EXHIBIT

**HARTZ MOUNTAIN INDUSTRIES**  
**PROPOSED REDEVELOPMENT PLAN**

BLOCK 541, LOT 2  
 750 WALNUT AVENUE  
 TOWNSHIP OF CRANFORD  
 UNION COUNTY, NEW JERSEY

ZACHARY E. CHAPLIN  
 NEW JERSEY LICENSE No. 53605  
 LICENSED PROFESSIONAL ENGINEER

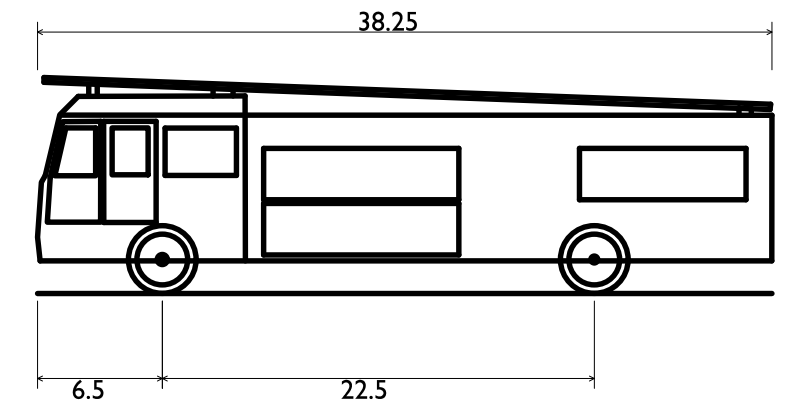
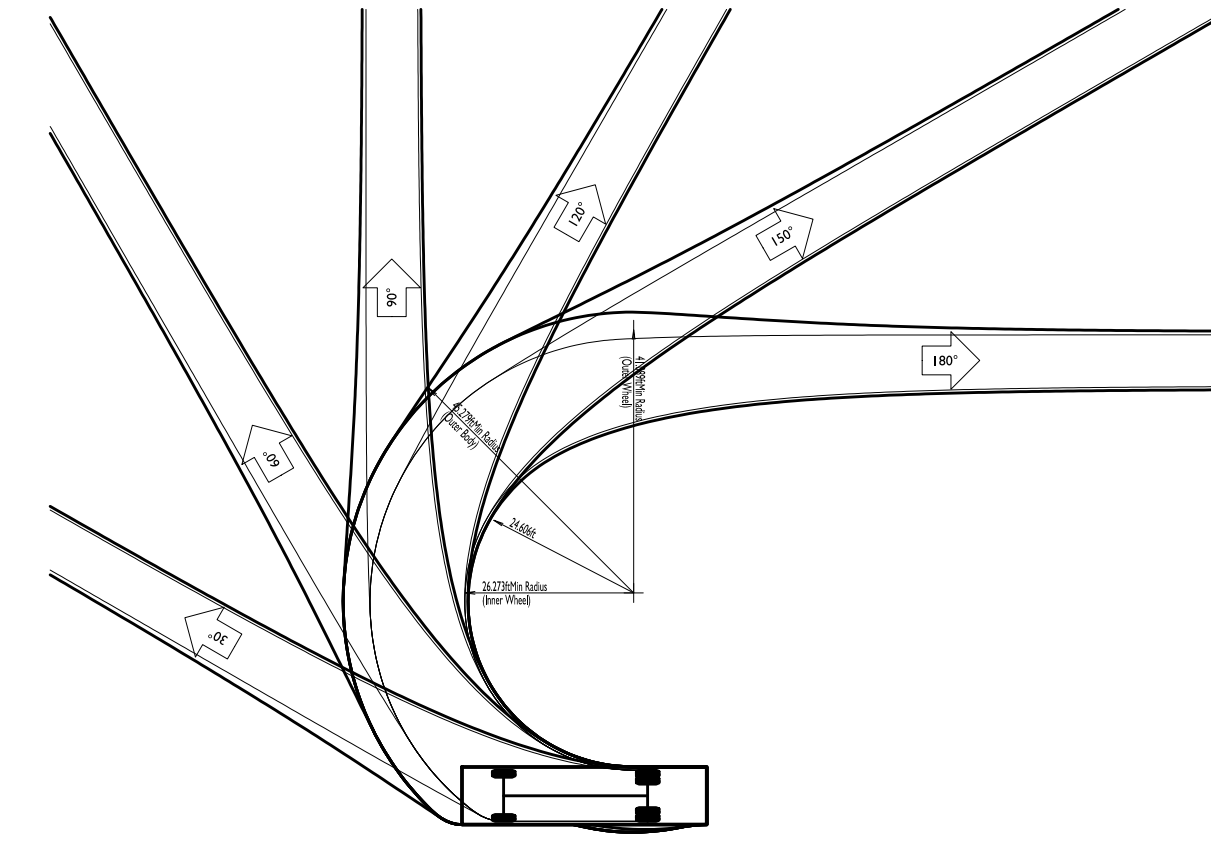
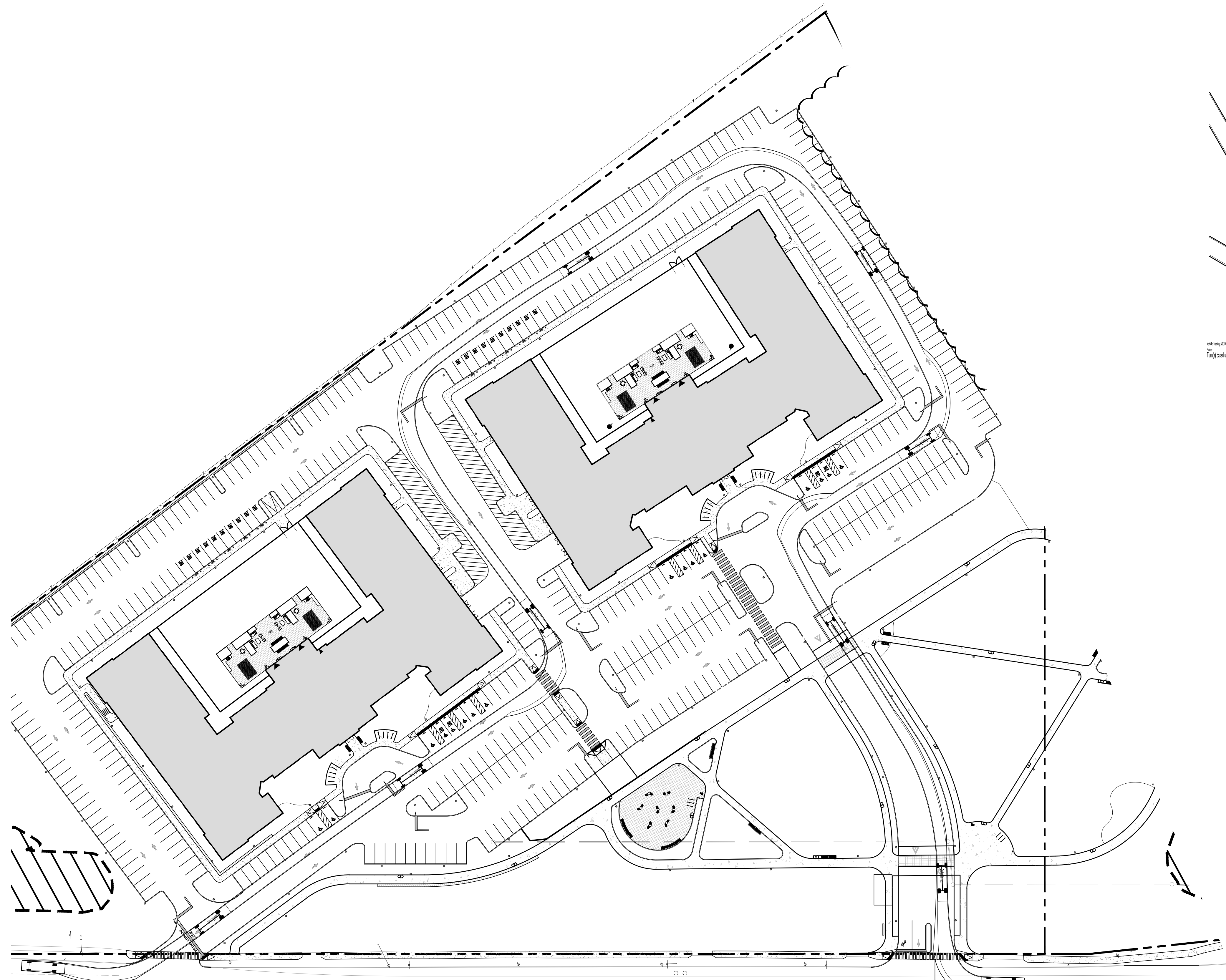
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SCALE: 1" = 50' PROJECT ID: T-16509

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (FIRE TRUCK)**

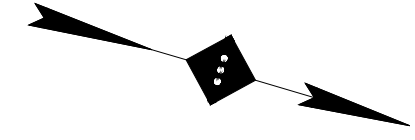
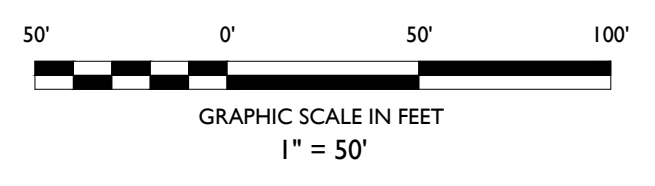
DRAWING:  
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T:\2021\1659\HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CADD\PHR\2022\027 - 05 VEHICLE MANEUVERING EXHIBIT.dwg



- Cranford Fire Truck
- Overall Length 38.25ft
- Overall Width 9.00ft
- Overall Body Height 11.25ft
- Min Body Ground Clearance 1.70ft
- Track Width 8.00ft
- Lock-to-lock time 6.00s
- Max Wheel Angle 40.00°

**DATE PREPARED:**  
09/21/2022



ISSUE	DATE	BY	DESCRIPTION
1	09/21/2022	NK	FOR TOWNSHIP HEARING

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VEHICLE MANEUVERING EXHIBIT

**HARTZ MOUNTAIN INDUSTRIES**  
**PROPOSED REDEVELOPMENT PLAN**

BLOCK 541, LOT 2  
750 WALNUT AVENUE  
TOWNSHIP OF CRANFORD  
UNION COUNTY, NEW JERSEY

ZACHARY E. CHAPLIN  
NEW JERSEY LICENSE No. 53605  
LICENSED PROFESSIONAL ENGINEER

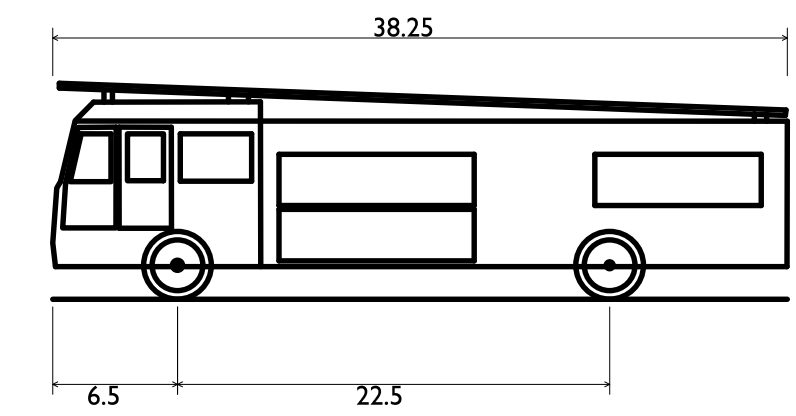
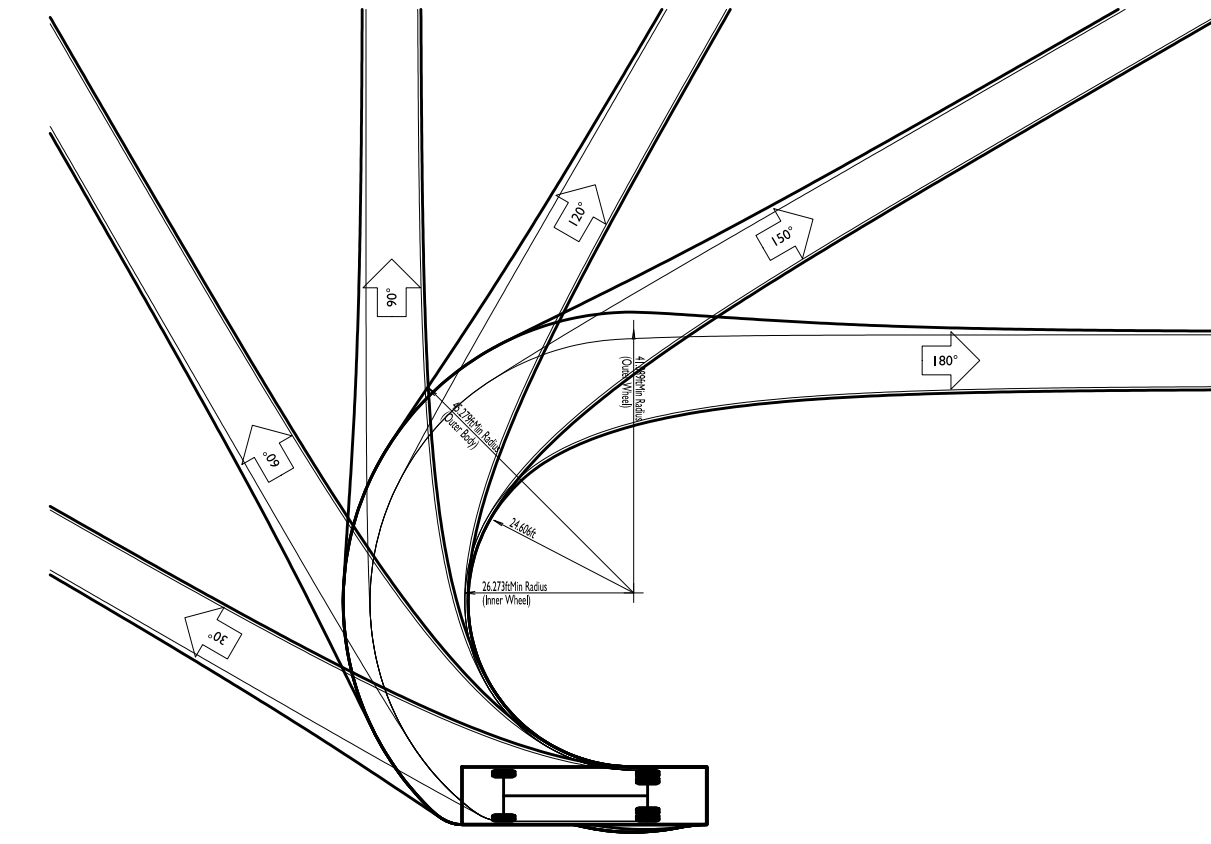
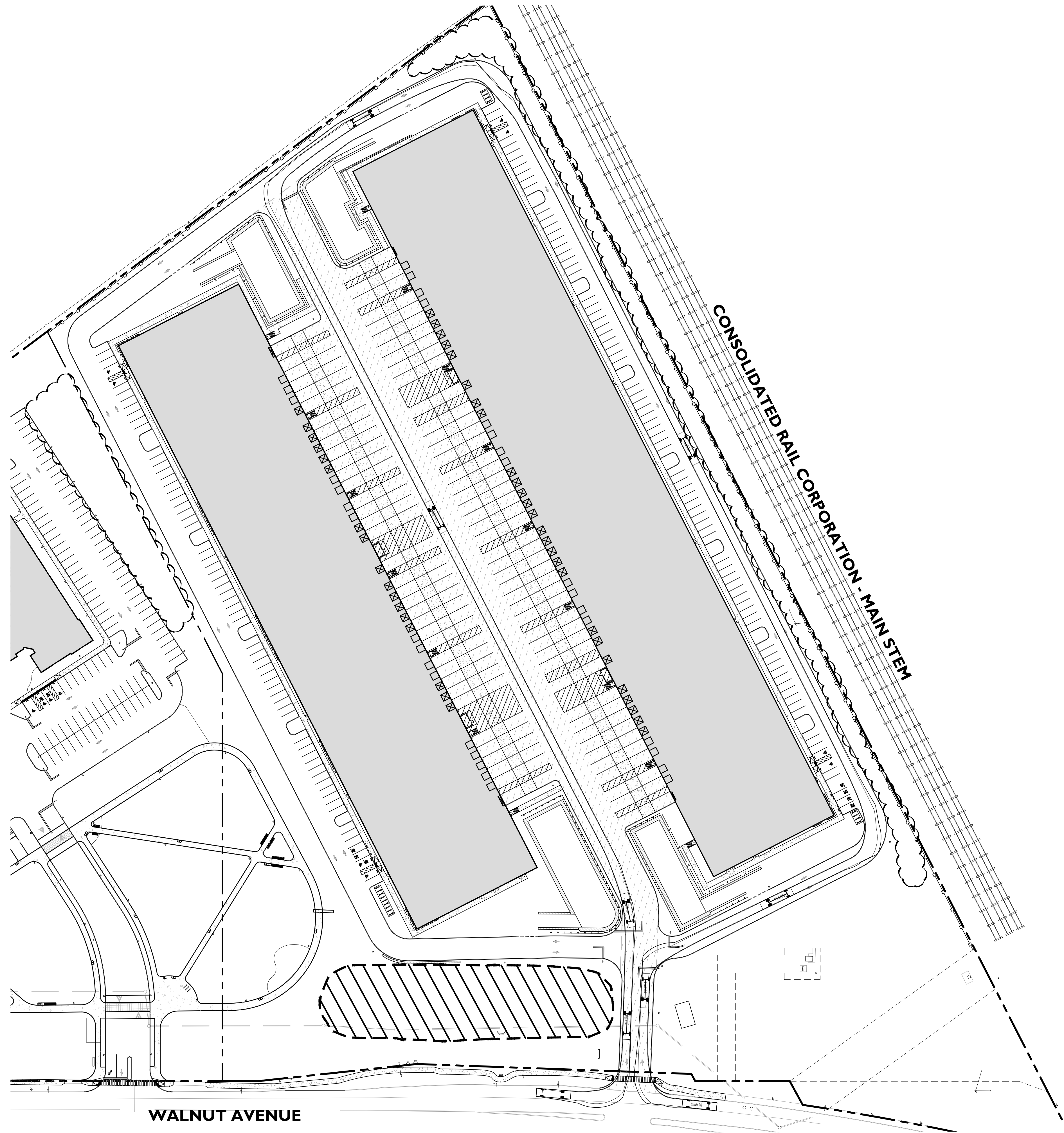
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SCALE: 1" = 50' PROJECT ID: T-16509

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (FIRE TRUCK)**

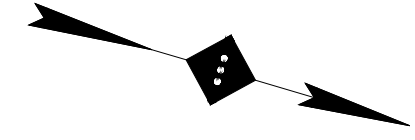
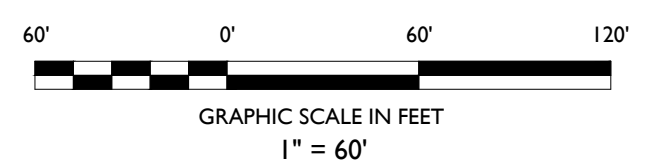
DRAWING:

T:\2021\1657 HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CADD\PHOTO\2021-09-27\_VEHICLE MANEUVERING EXHIBIT CRANFORD, NEWJ



Cranford Fire Truck  
 Overall Length 38.250ft  
 Overall Width 9.000ft  
 Overall Body Height 11.250ft  
 Min Body Ground Clearance 1.701ft  
 Track Width 8.000ft  
 Lock-to-lock time 6.00s  
 Max Wheel Angle 40.00°

**DATE PREPARED:**  
 09/21/2022



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VEHICLE MANEUVERING EXHIBIT  
**HARTZ MOUNTAIN INDUSTRIES**  
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 BLOCK 541, LOT 2  
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 TOWNSHIP OF CRANFORD  
 UNION COUNTY, NEW JERSEY

ZACHARY E. CHAPLIN  
 NEW JERSEY LICENSE No. 53665  
 LICENSED PROFESSIONAL ENGINEER

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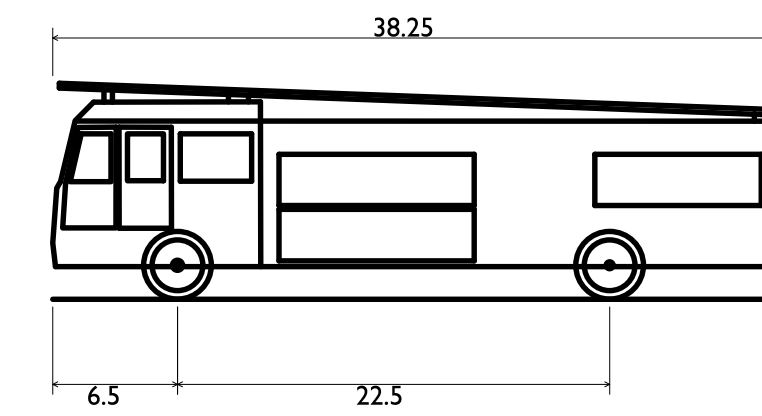
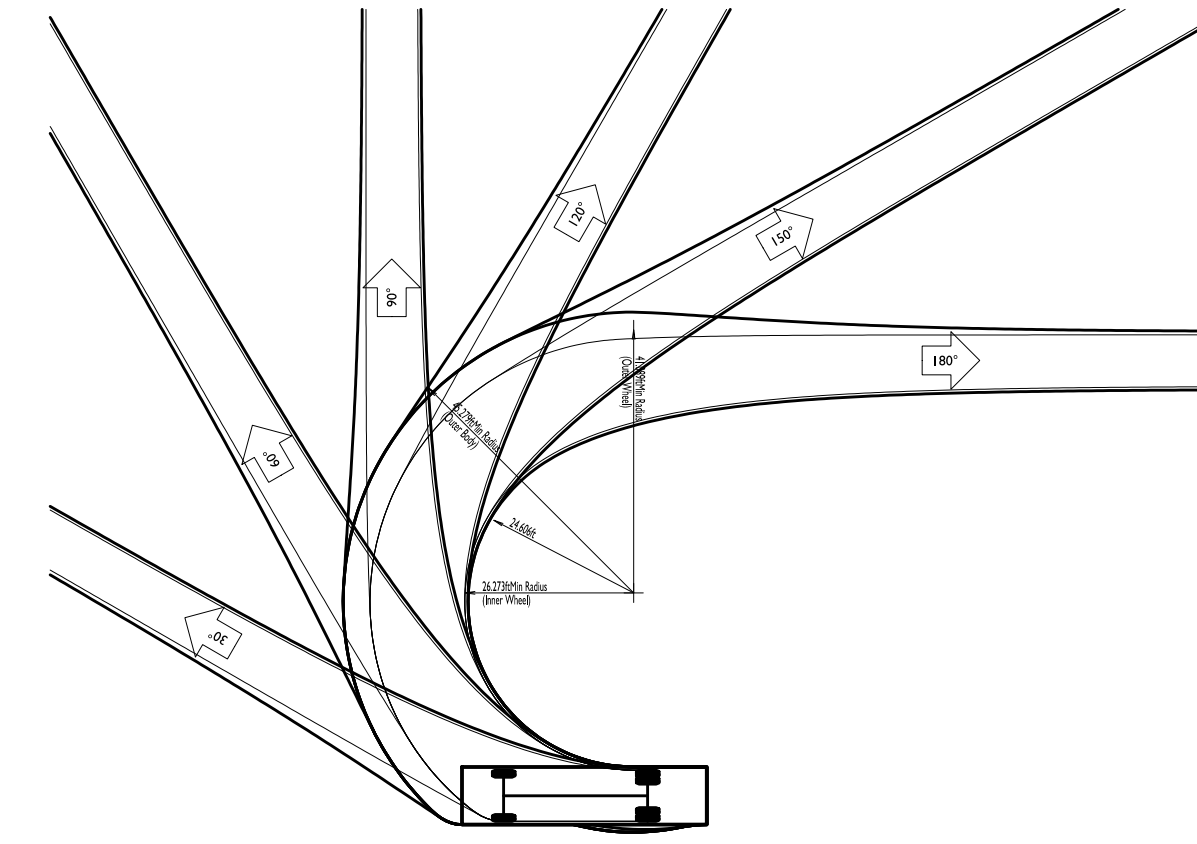
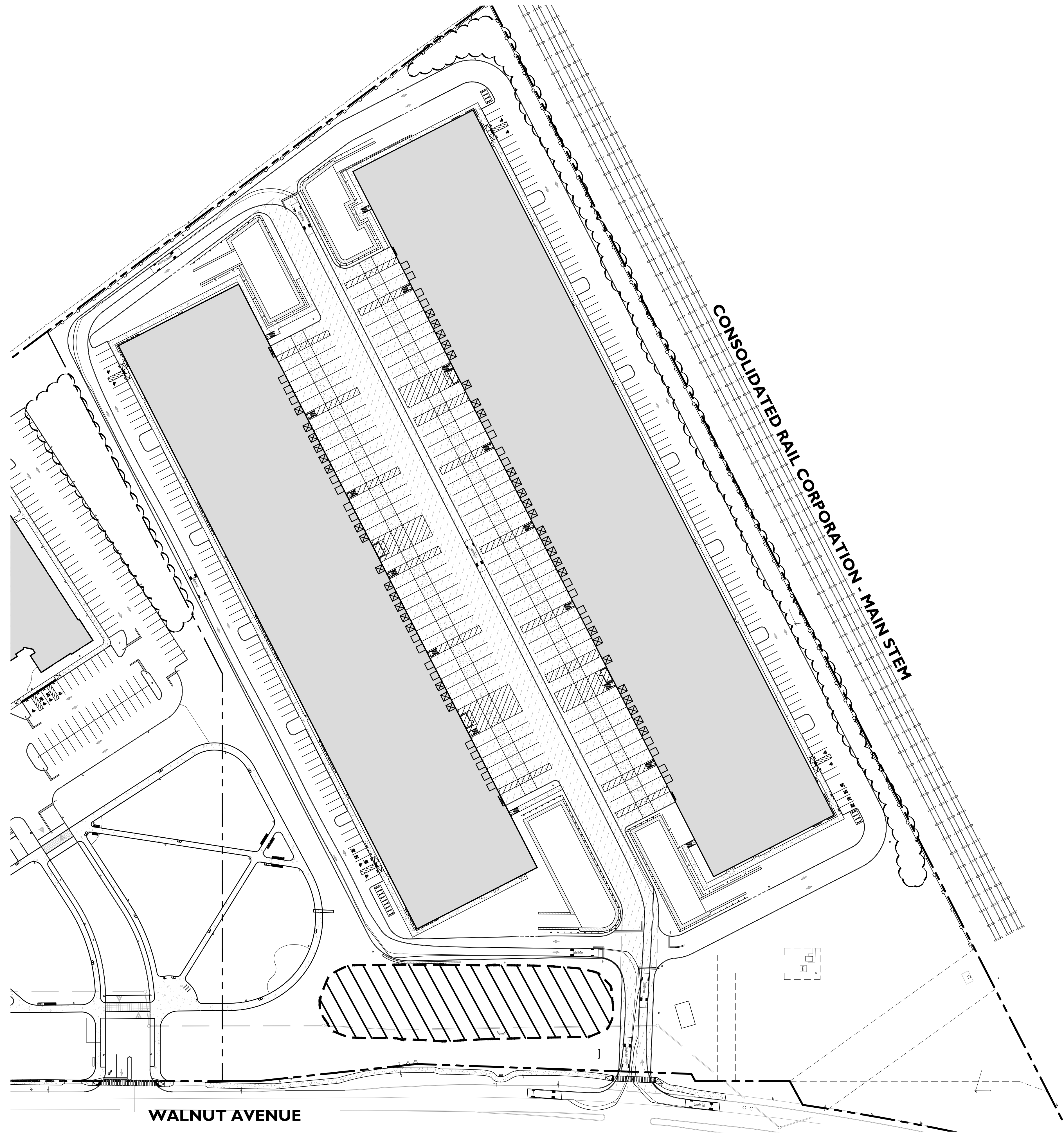
SCALE: 1" = 60' PROJECT ID: T-16599

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (FIRE TRUCK)**

DRAWING:

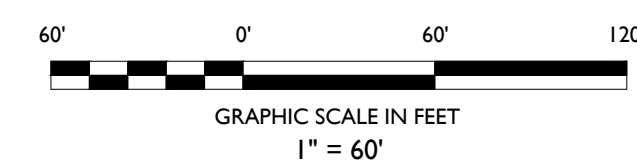
**3 OF 15**

T:\2021\1657 HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CADD\PHOTO\2021-09-27\_VEHICLE MANEUVERING EXHIBIT CRANFORD, NJ.DWG



Cranford Fire Truck  
 Overall Length 38.250ft  
 Overall Width 6.500ft  
 Overall Body Height 11.250ft  
 Min Body Ground Clearance 1.701ft  
 Track Width 8.000ft  
 Lock-to-lock time 6.00s  
 Max Wheel Angle 40.00°

**DATE PREPARED:**  
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**PROPOSED REDEVELOPMENT PLAN**  
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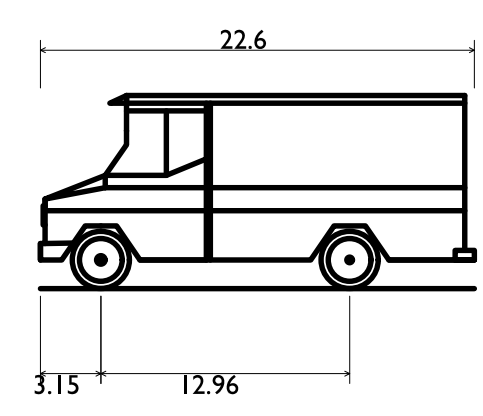
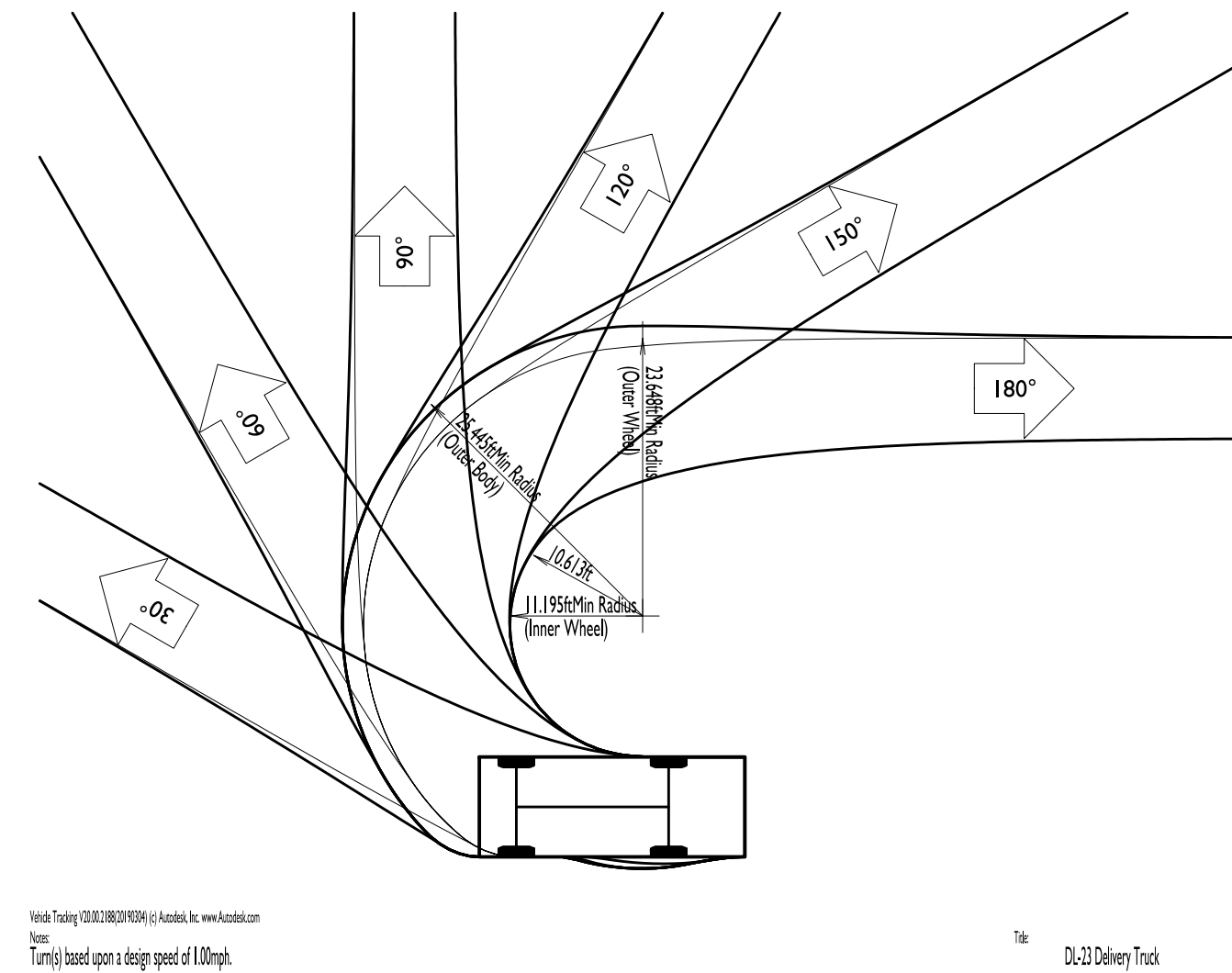
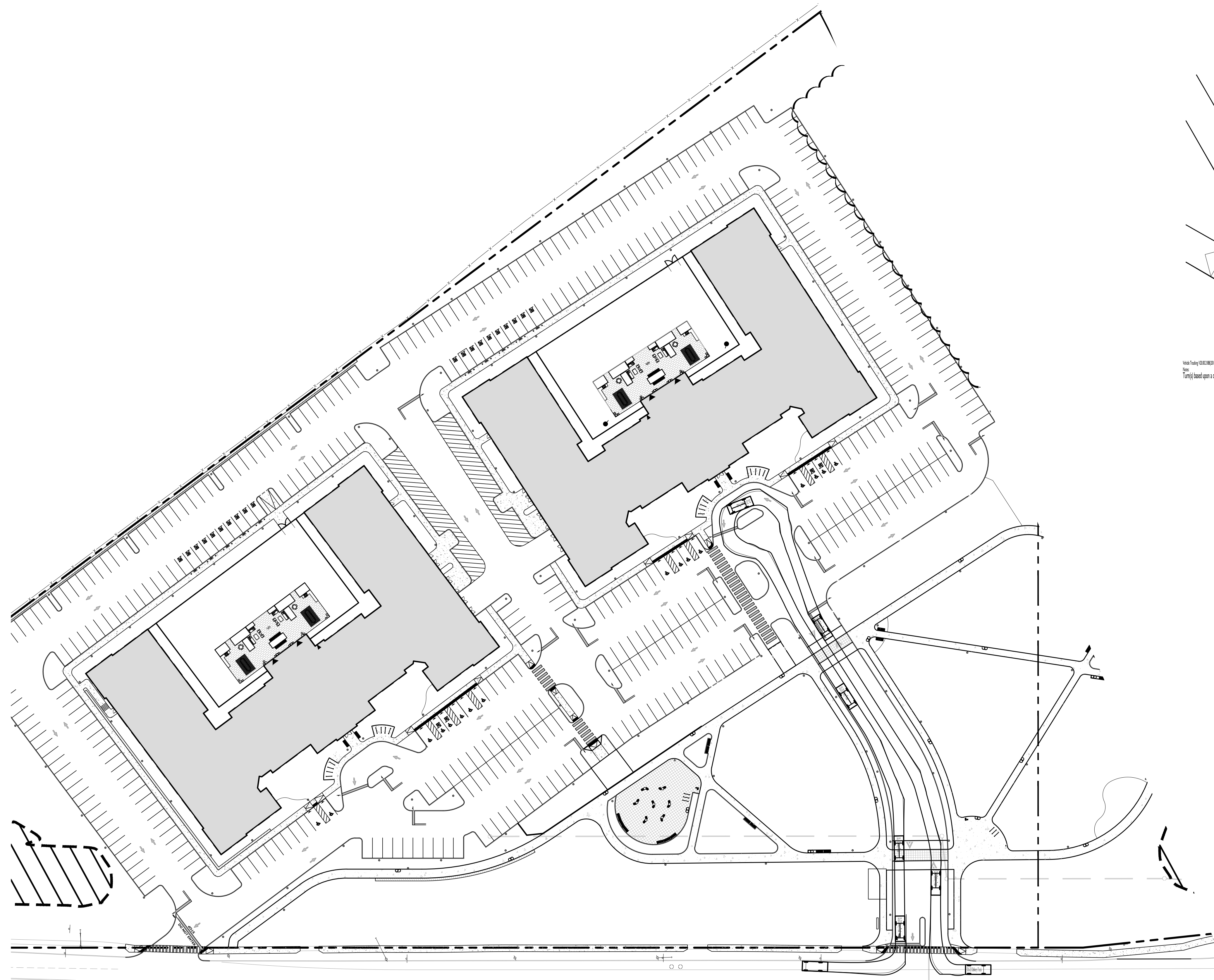
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SCALE: 1" = 60' PROJECT ID: T-16599

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (FIRE TRUCK)**

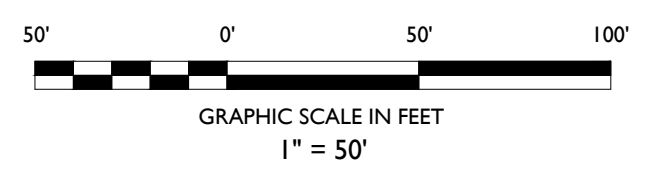
DRAWING:

T:\2021\16571 HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CAD\DWG\16571-02.dwg (P) VEHICLE MANEUVERING EXHIBIT - CRANFORD, NEW JERSEY



DL-23 Delivery Truck  
 Overall Length 22.600ft  
 Overall Width 8.500ft  
 Overall Body Height 10.054ft  
 Min Body Ground Clearance 1.4888ft  
 Track Width 8.500ft  
 Lock-to-lock time 6.00s  
 Max Steering Angle (Virtual) 40.00°

**DATE PREPARED:**  
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VEHICLE MANEUVERING EXHIBIT

**HARTZ MOUNTAIN INDUSTRIES**  
**PROPOSED REDEVELOPMENT PLAN**

BLOCK 541, LOT 2  
 750 WALNUT AVENUE  
 TOWNSHIP OF CRANFORD  
 UNION COUNTY, NEW JERSEY

ZACHARY E. CHAPLIN  
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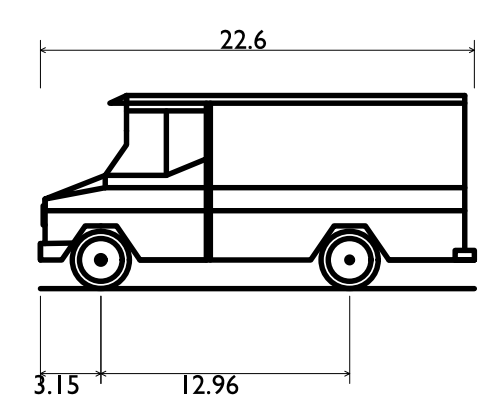
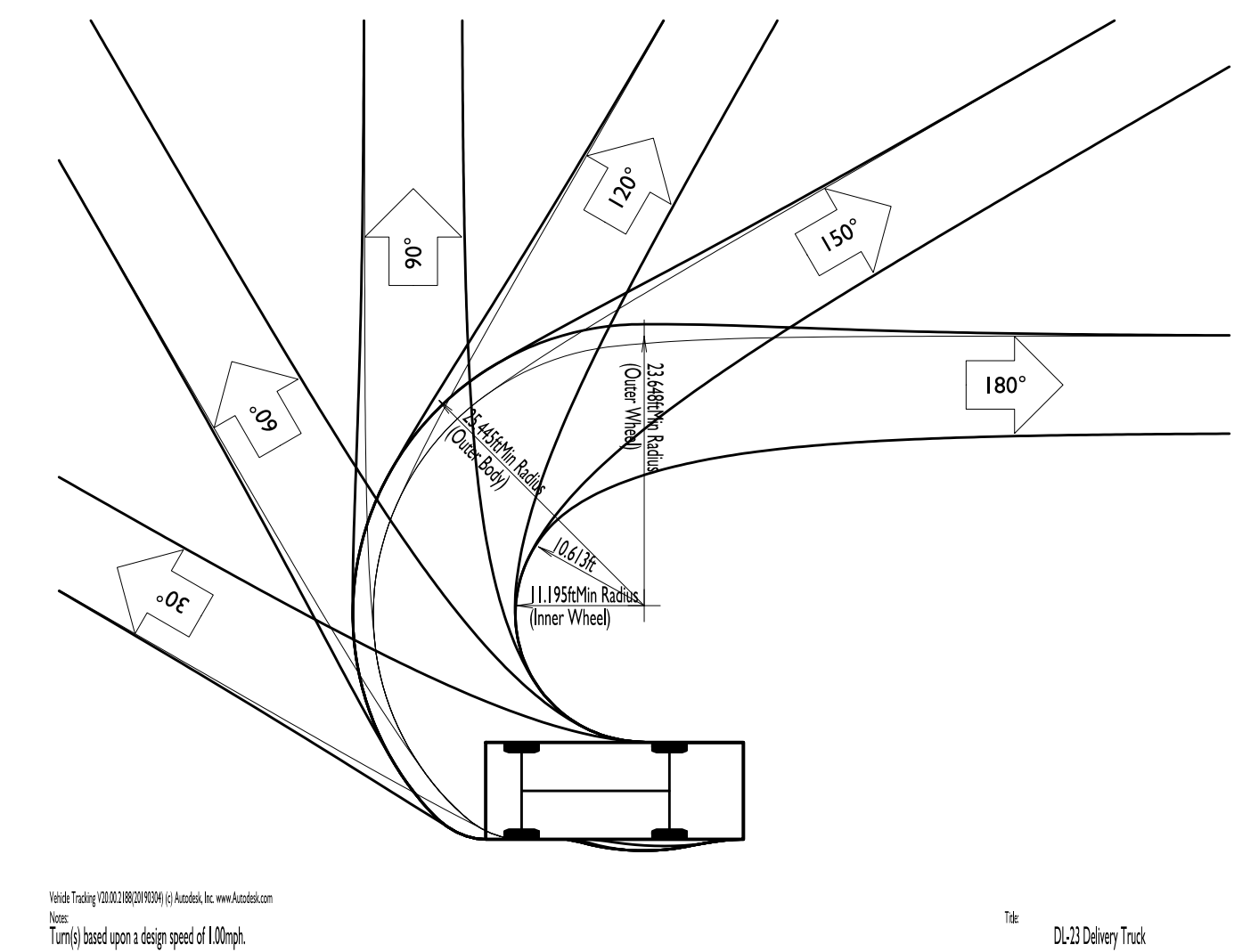
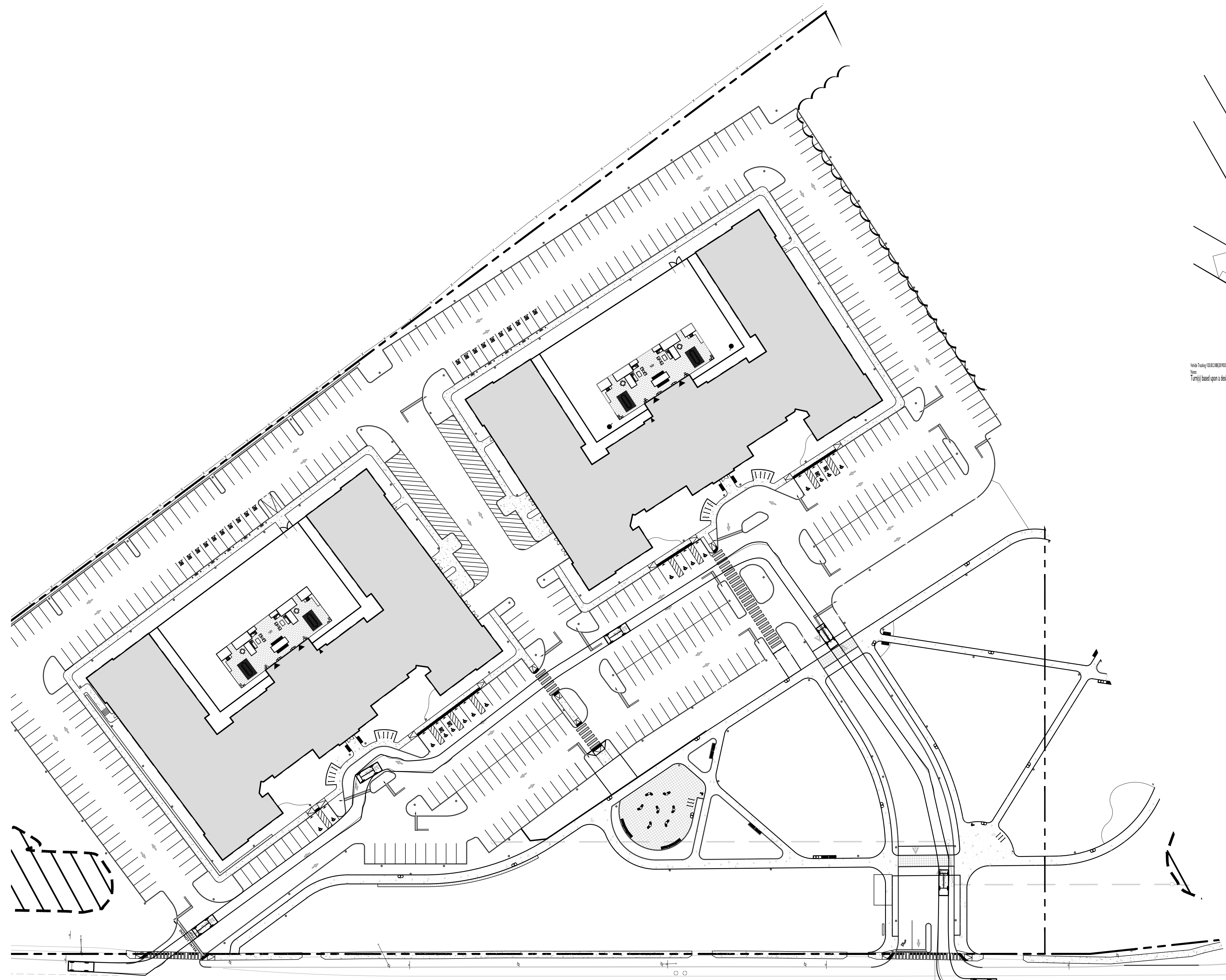
**STONEFIELD**  
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SCALE: 1" = 50' PROJECT ID: T-16509

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (DELIVERY TRUCK)**

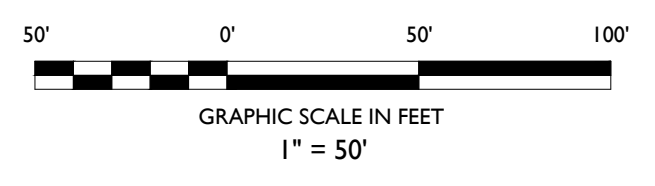
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DL-23 Delivery Truck  
 Overall Length 22.600ft  
 Overall Width 8.500ft  
 Overall Body Height 10.054ft  
 Min Body Ground Clearance 1.488ft  
 Track Width 8.500ft  
 Lock-to-lock time 6.00s  
 Max Steering Angle (Virtual) 40.00°

**DATE PREPARED:**  
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VEHICLE MANEUVERING EXHIBIT

**HARTZ MOUNTAIN INDUSTRIES**  
**PROPOSED REDEVELOPMENT PLAN**

BLOCK 541, LOT 2  
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 UNION COUNTY, NEW JERSEY

ZACHARY E. CHAPLIN  
 NEW JERSEY LICENSE No. 53605  
 LICENSED PROFESSIONAL ENGINEER

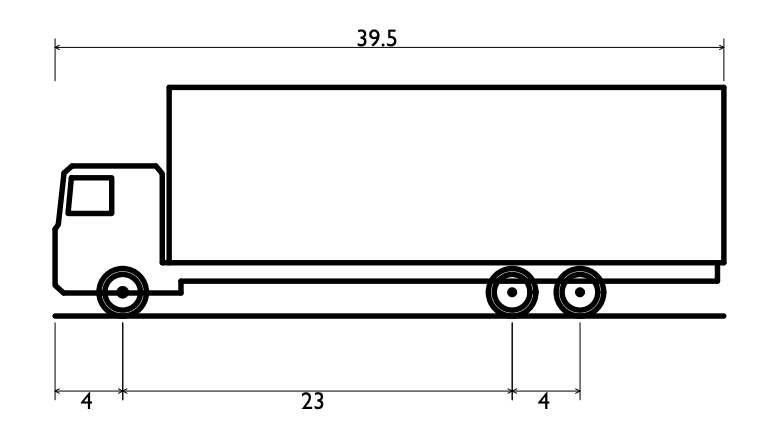
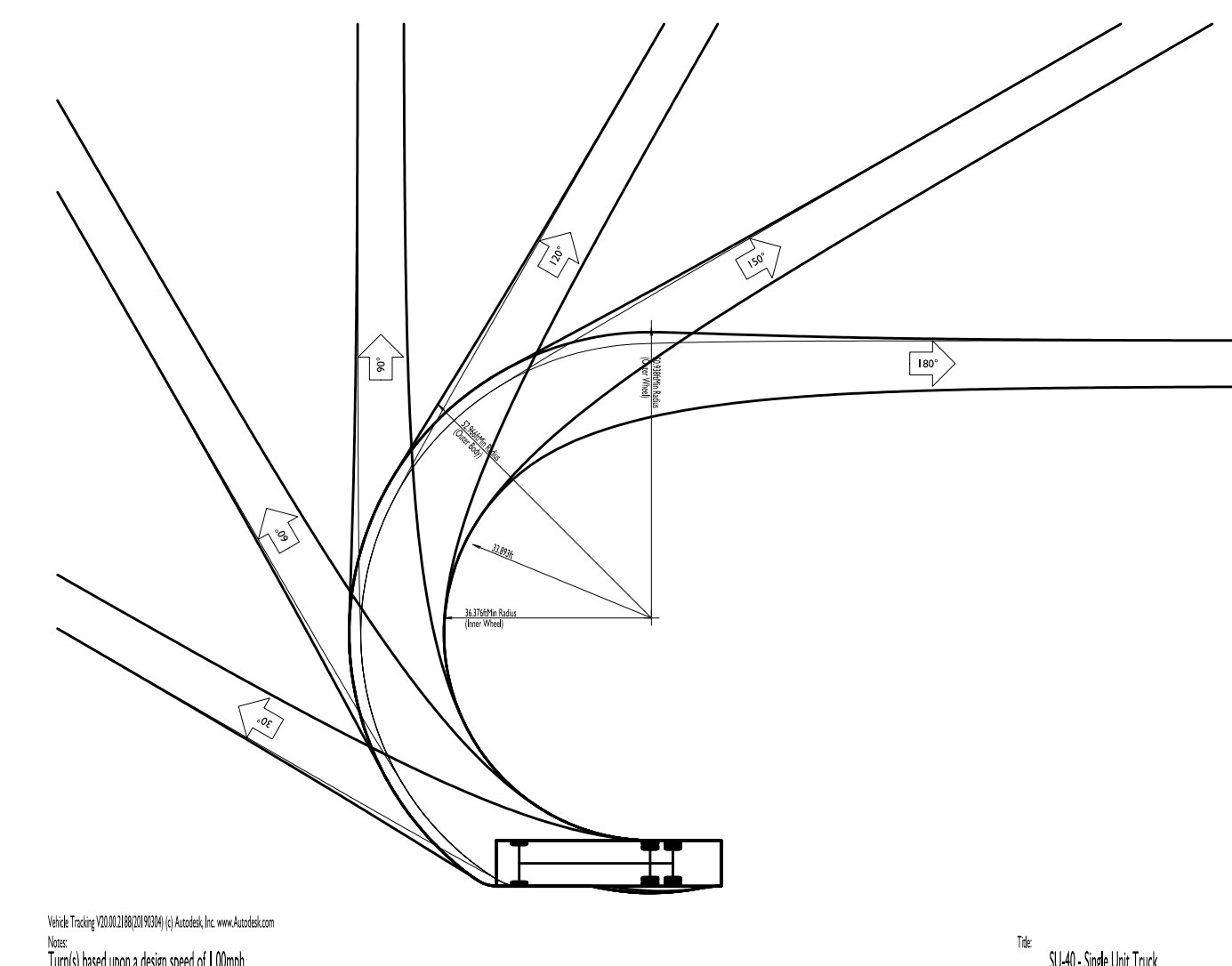
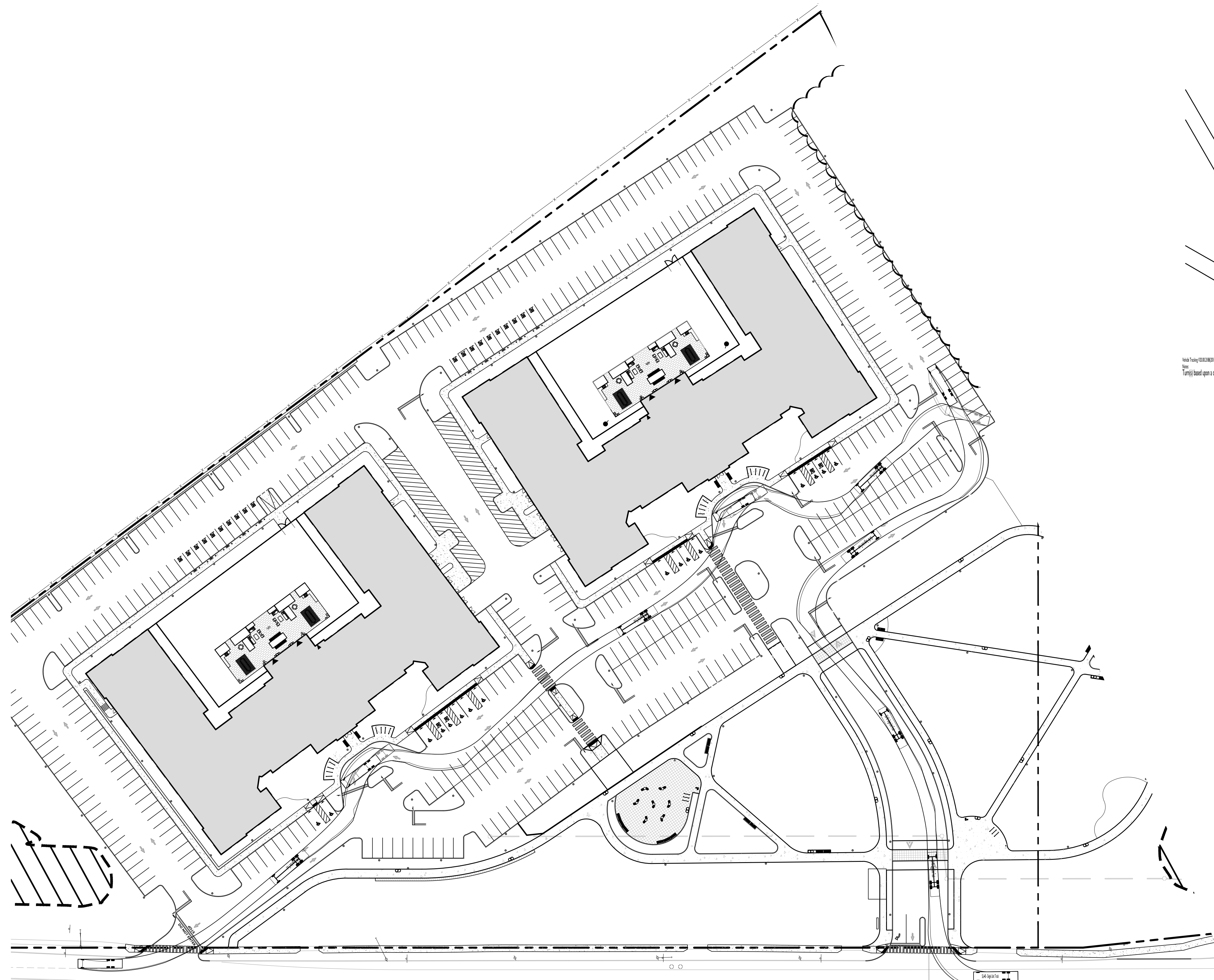
**STONEFIELD**  
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SCALE: 1" = 50' PROJECT ID: T-16509

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (DELIVERY TRUCK)**

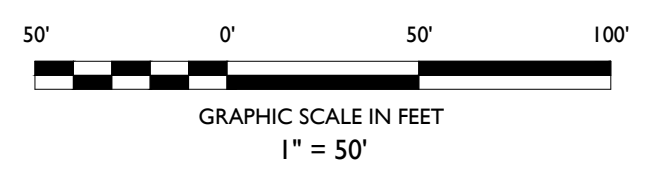
DRAWING:

T:\2021\16571 HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CAD\DWG\16571 SU-40 VEHICLE MANEUVERING EXHIBIT.DWG, NEW



- SU-40 - Single Unit Truck
- Overall Length 39.500ft
- Overall Width 8.000ft
- Overall Body Height 13.500ft
- Min Body Ground Clearance 1.367ft
- Track Width 8.000ft
- Lock-to-lock time 5.00s
- Max Steering Angle (Virtual) 31.80°

**DATE PREPARED:**  
09/21/2022



ISSUE	DATE	BY	DESCRIPTION
1	09/21/2022	NK	FOR TOWNSHIP HEARING

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VEHICLE MANEUVERING EXHIBIT

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UNION COUNTY, NEW JERSEY

ZACHARY E. CHAPLIN  
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LICENSED PROFESSIONAL ENGINEER

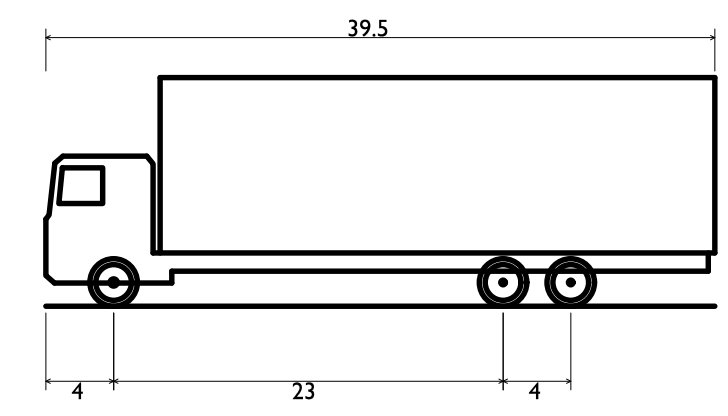
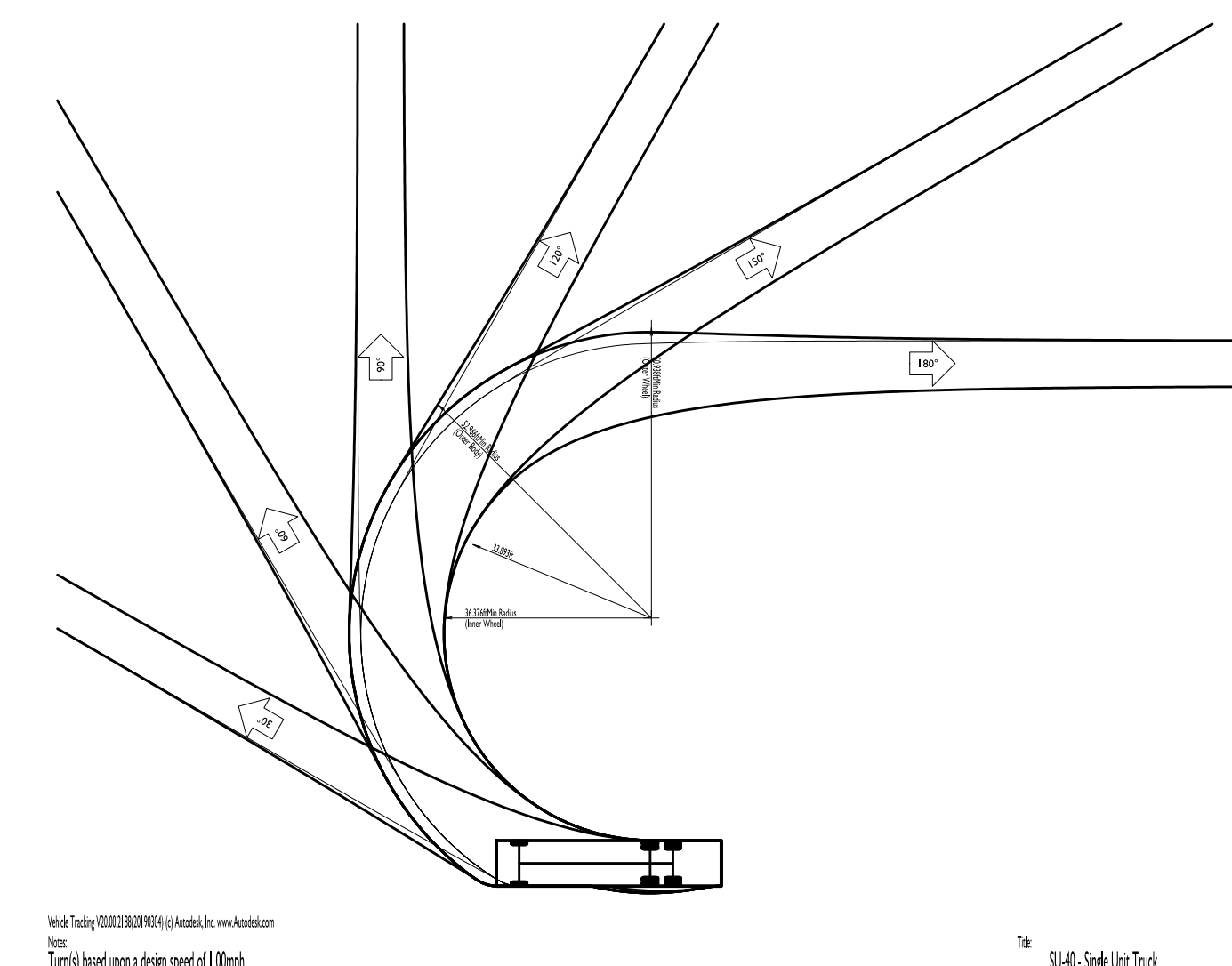
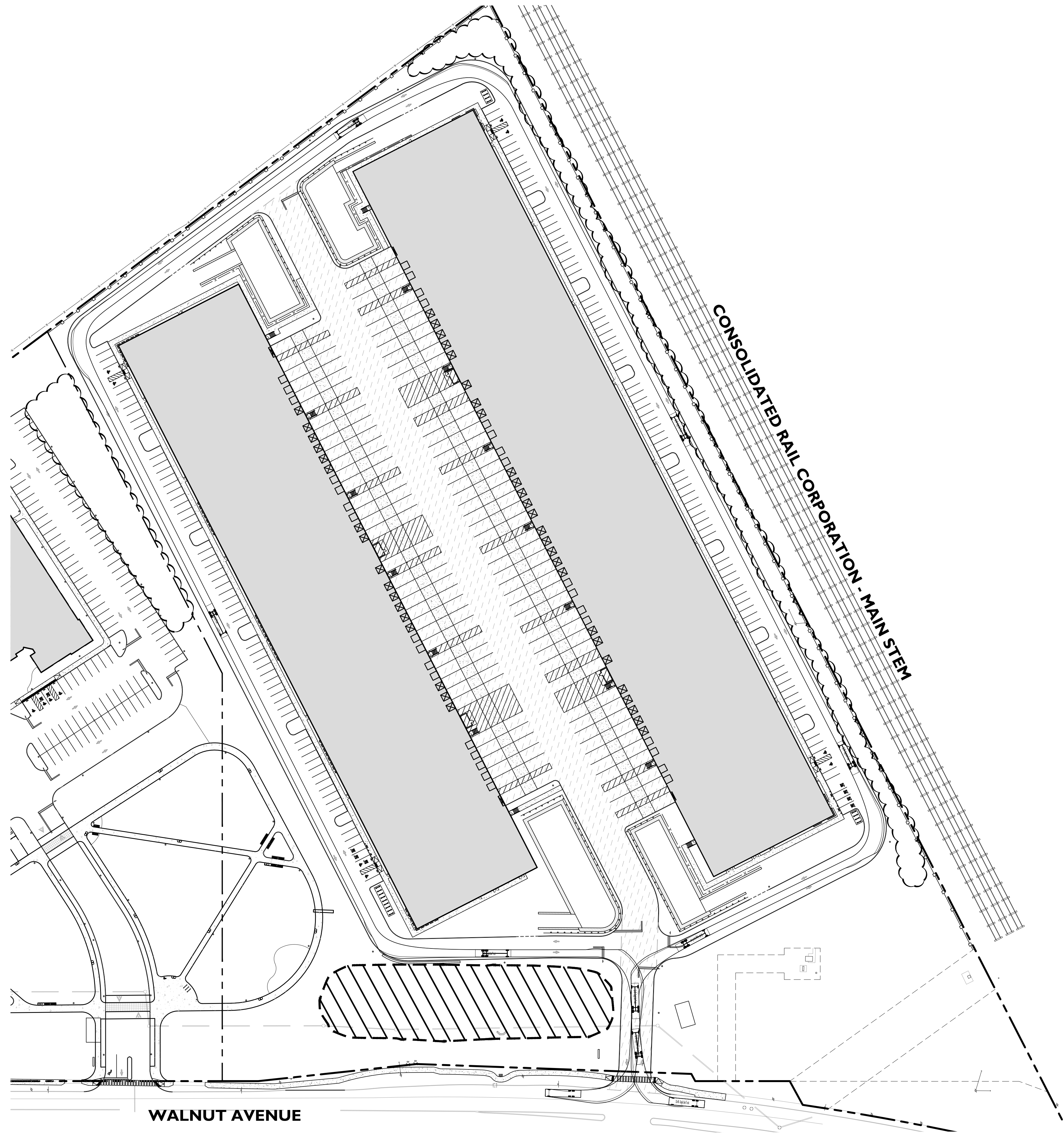
**STONEFIELD**  
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SCALE: 1" = 50' PROJECT ID: T-16509

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (SU-40 TRUCK)**

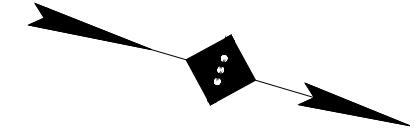
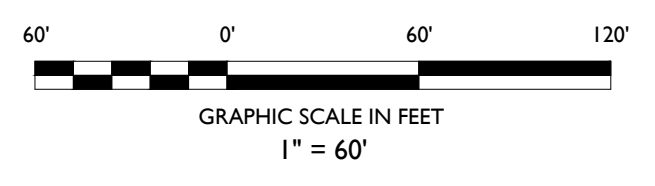
DRAWING:

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SU-40 - Single Unit Truck  
 Overall Length 39.500ft  
 Overall Width 8.000ft  
 Overall Body Height 13.500ft  
 Min Body Ground Clearance 1.367ft  
 Track Width 8.000ft  
 Lock-to-lock time 5.00s  
 Max Steering Angle (Virtual) 31.80°

**DATE PREPARED:**  
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VEHICLE MANEUVERING EXHIBIT  
**HARTZ MOUNTAIN INDUSTRIES**  
**PROPOSED REDEVELOPMENT PLAN**  
 BLOCK 541, LOT 2  
 750 WALNUT AVENUE  
 TOWNSHIP OF CRANFORD  
 UNION COUNTY, NEW JERSEY

ZACHARY E. CHAPLIN  
 NEW JERSEY LICENSE No. 53605  
 LICENSED PROFESSIONAL ENGINEER

**STONEFIELD**  
 engineering & design

SCALE: 1" = 60' PROJECT ID: T-16599

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (SU-40 TRUCK)**

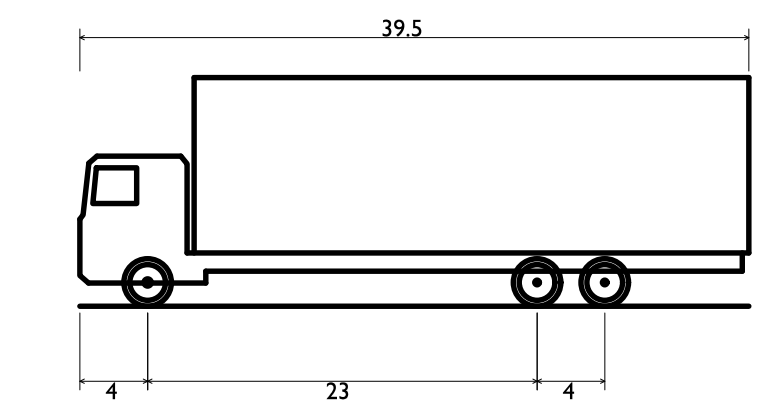
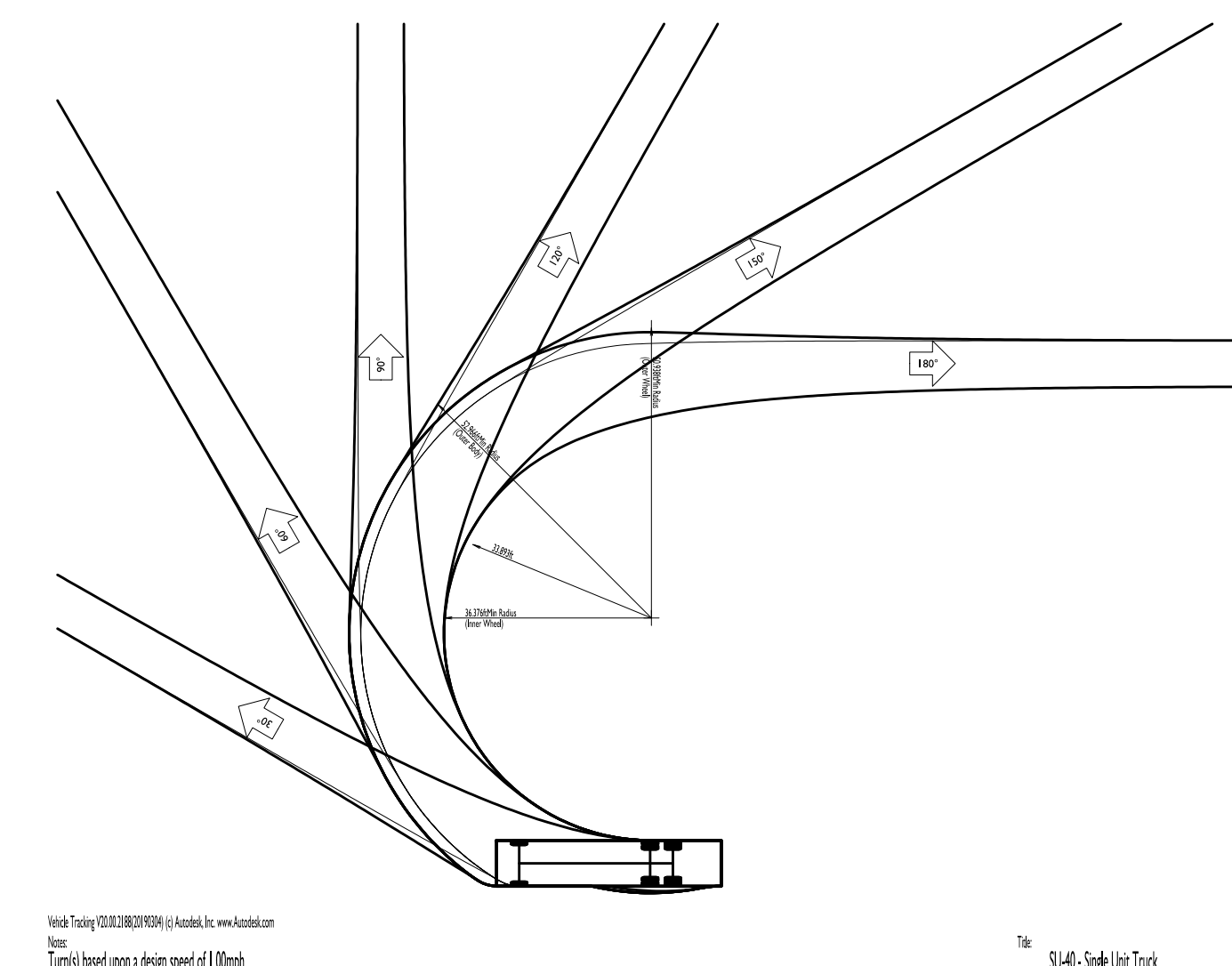
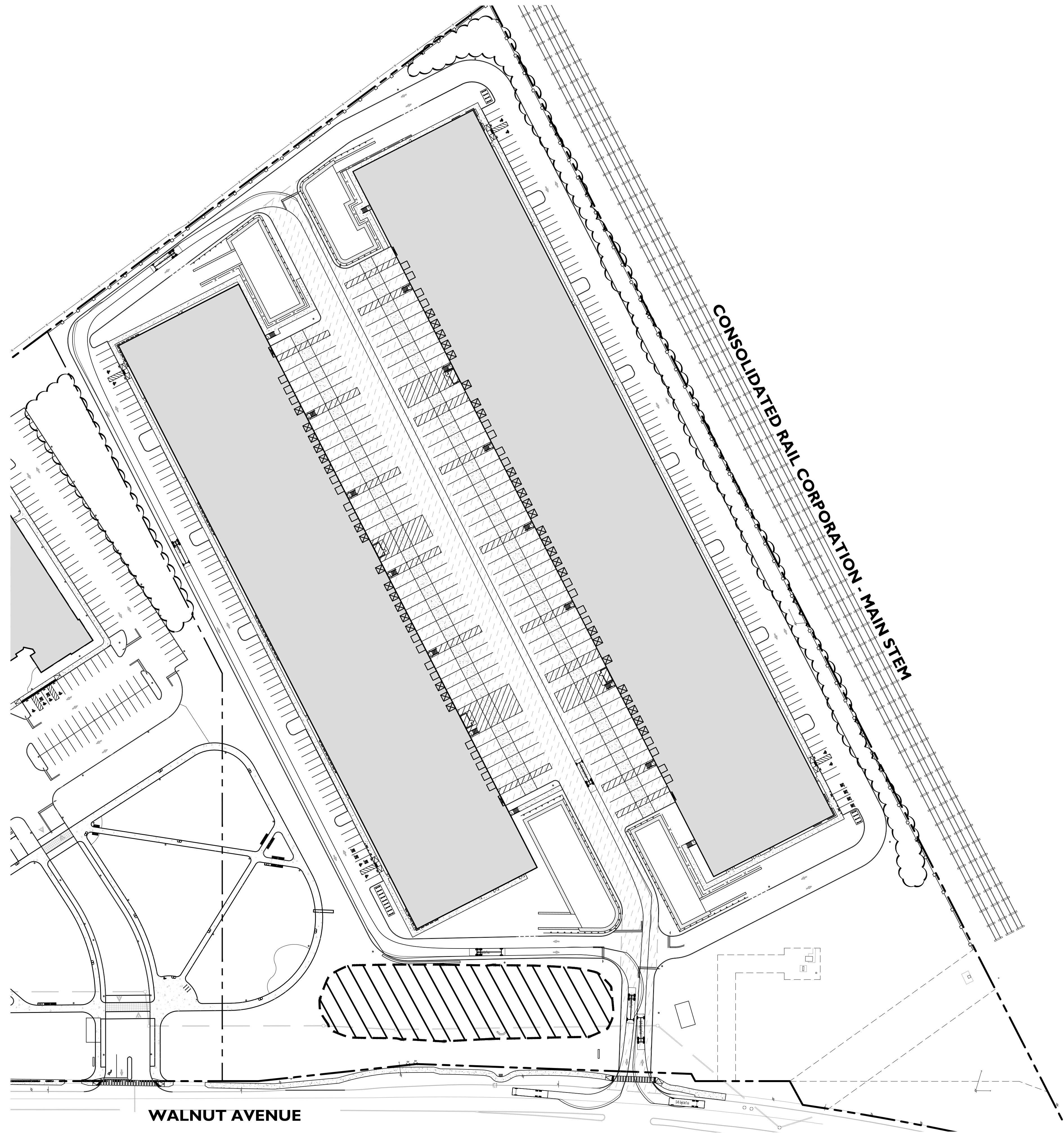
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**8 OF 15**

ISSUE	DATE	BY	DESCRIPTION
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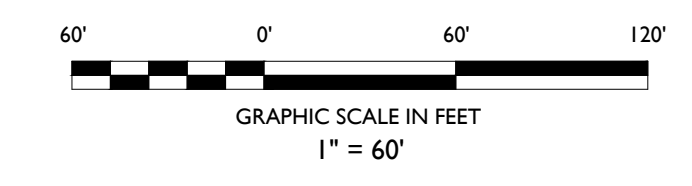


T:\2021\1657 HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CADD\PHYSICAL\2022\02\27\_VEHICLE MANEUVERING EXHIBIT.DWG, NEW



- SU-40 - Single Unit Truck
- Overall Length 39.500ft
- Overall Width 8.000ft
- Overall Body Height 13.500ft
- Min Body Ground Clearance 1.367ft
- Track Width 8.000ft
- Lock-to-lock time 5.00s
- Max Steering Angle (Virtual) 31.80°

**DATE PREPARED:**  
09/21/2022



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VEHICLE MANEUVERING EXHIBIT

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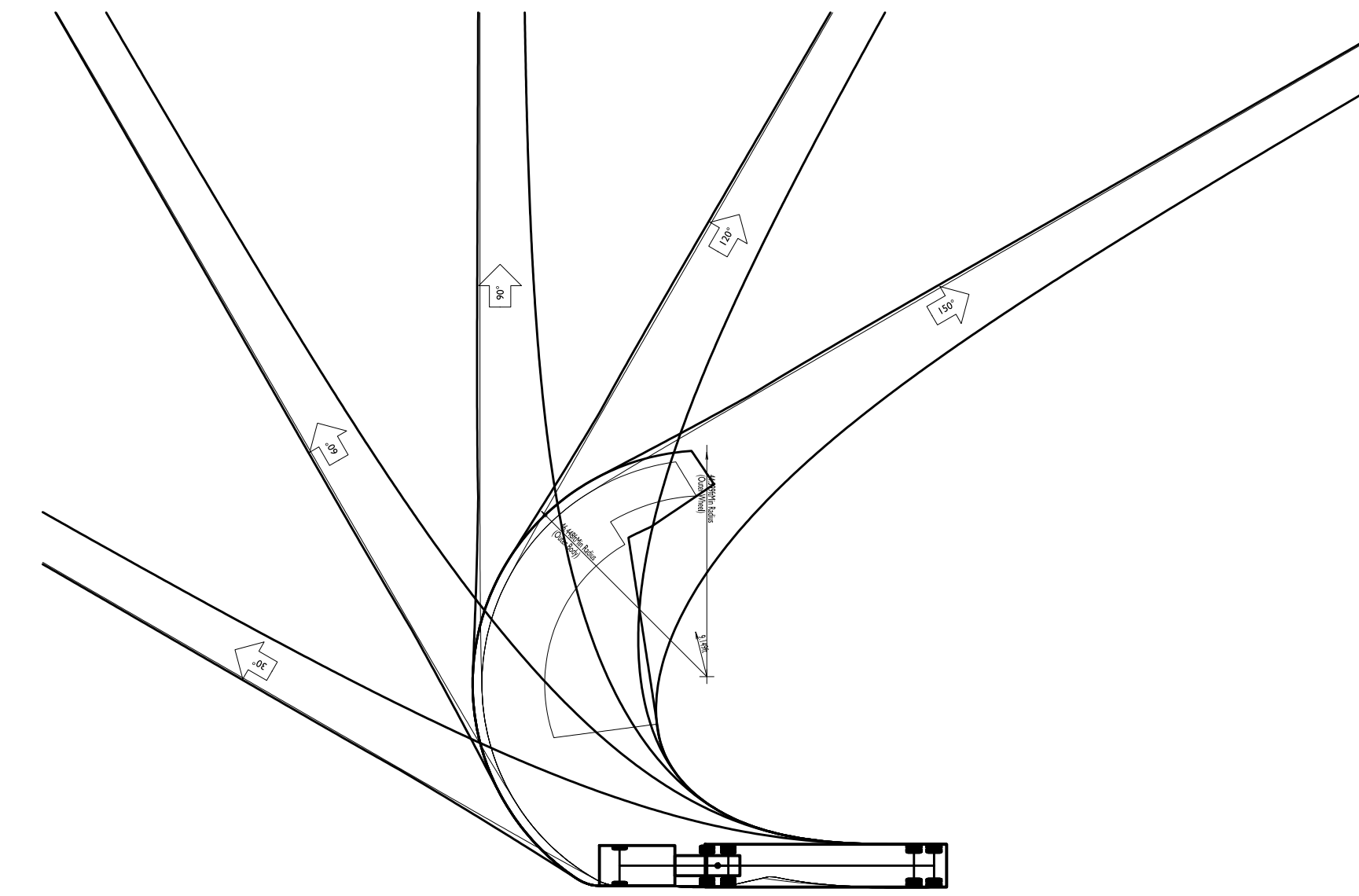
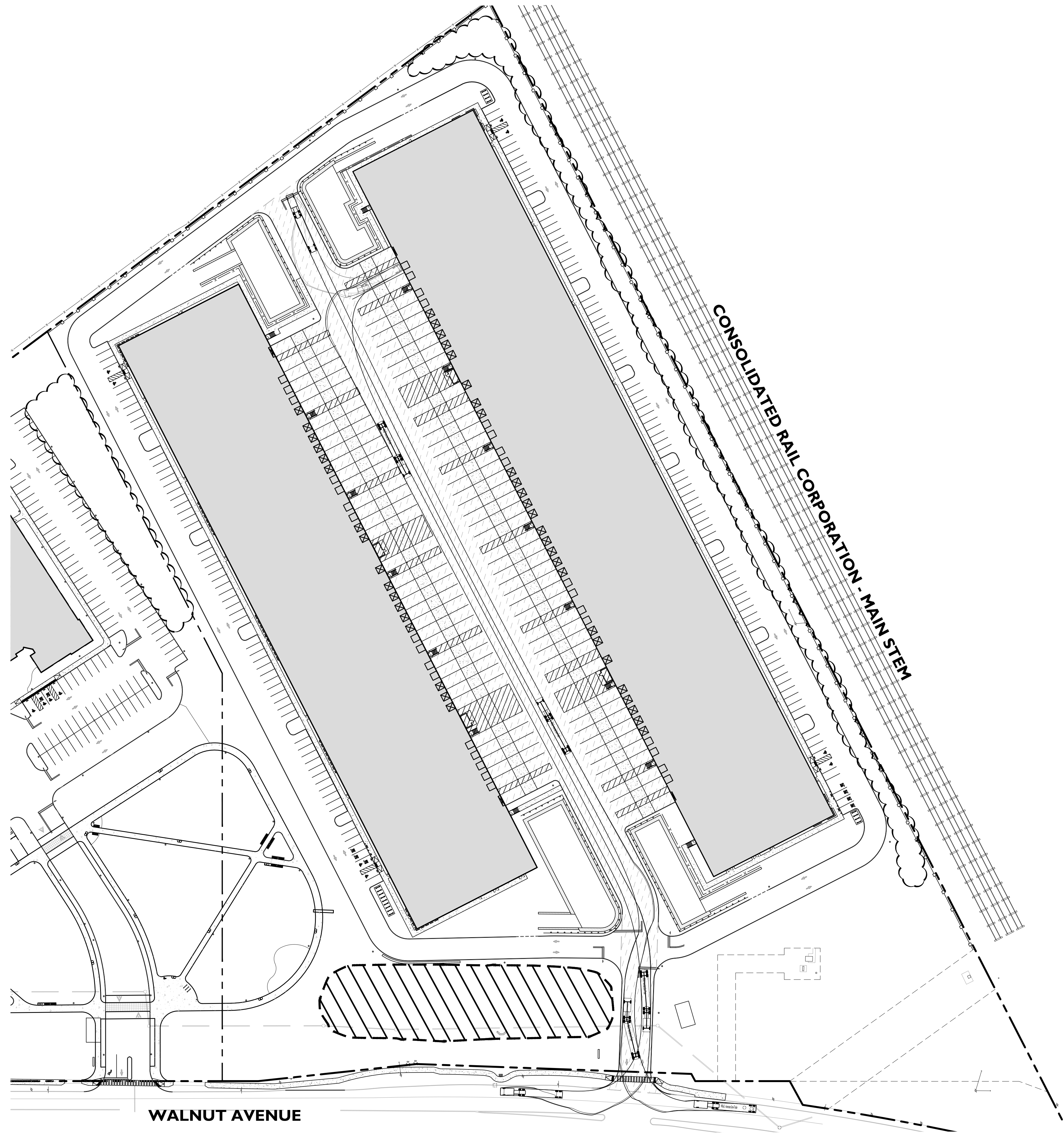
SCALE: 1" = 60' PROJECT ID: T-16599

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (SU-40 TRUCK)**

DRAWING:

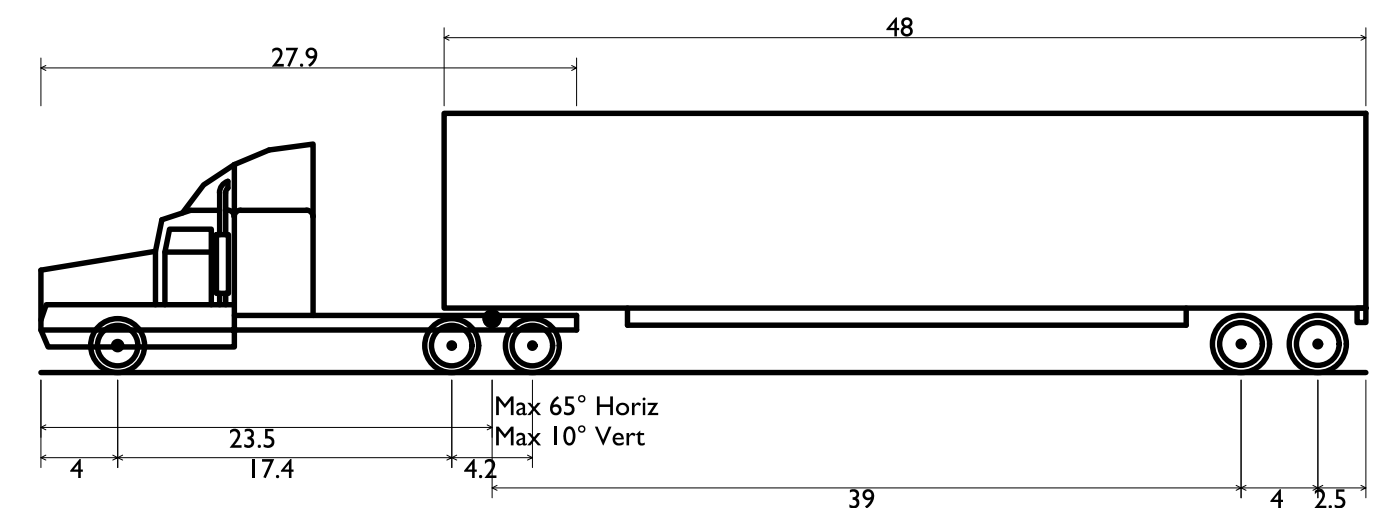


T:\2021\1657\HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CADD\HIER\2022\02\10\_VEHICLE MANEUVERING EXHIBIT.dwg, NEWJ



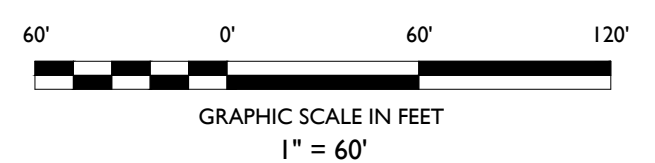
Vehicle Tracking ©2018/2019/2020 (s) Autodesk, Inc. www.Autodesk.com  
 Note:  
 Turns based upon a design speed of 100mph.

WB-62 - Interstate Semi-Trailer



WB-62 - Interstate Semi-Trailer  
 Overall Length 69.000ft  
 Overall Width 8.500ft  
 Overall Body Height 13.500ft  
 Min Body Ground Clearance 1.334ft  
 Max Track Width 8.500ft  
 Lock-to-lock time 6.00s  
 Max Steering Angle (Virtual) 28.40°

**DATE PREPARED:**  
 09/21/2022



ISSUE	DATE	BY	DESCRIPTION
1	09/21/2022	NK	FOR TOWNSHIP HEARING

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VEHICLE MANEUVERING EXHIBIT

**HARTZ MOUNTAIN INDUSTRIES**  
**PROPOSED REDEVELOPMENT PLAN**

BLOCK 541, LOT 2  
 750 WALNUT AVENUE  
 TOWNSHIP OF CRANFORD  
 UNION COUNTY, NEW JERSEY

ZACHARY E. CHAPLIN  
 NEW JERSEY LICENSE No. 53605  
 LICENSED PROFESSIONAL ENGINEER

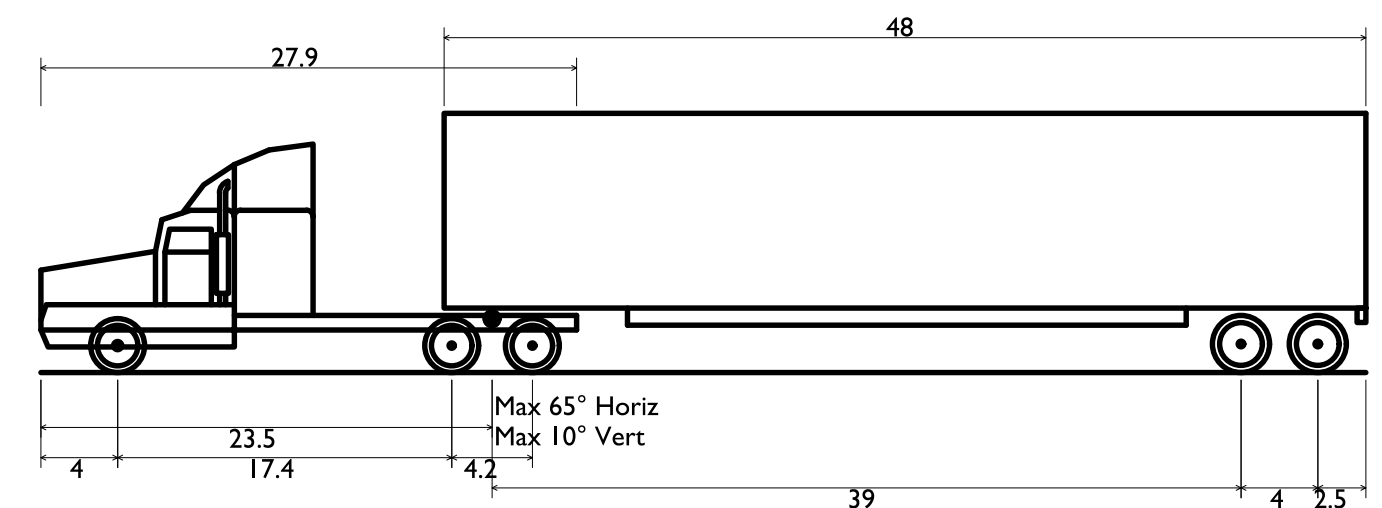
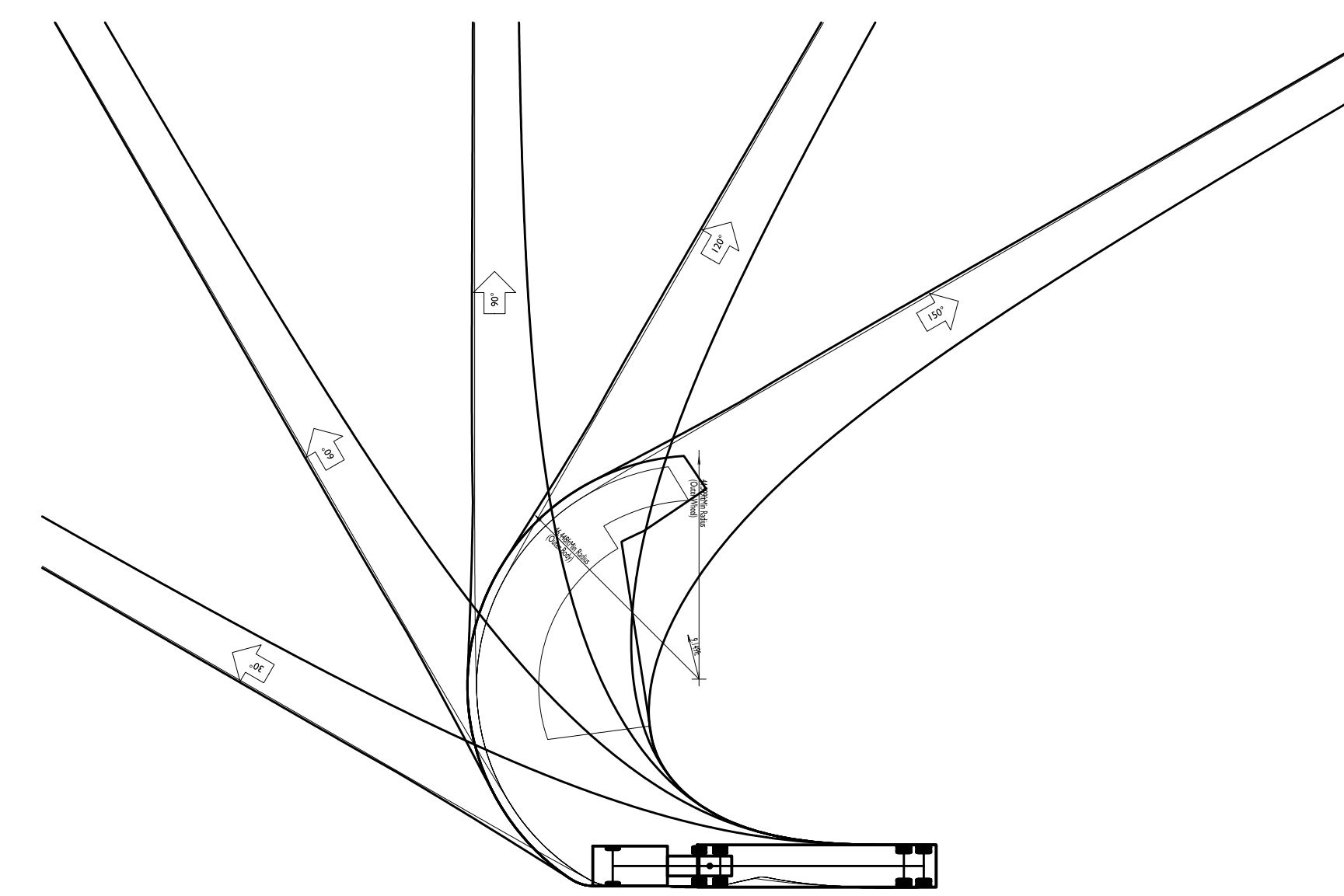
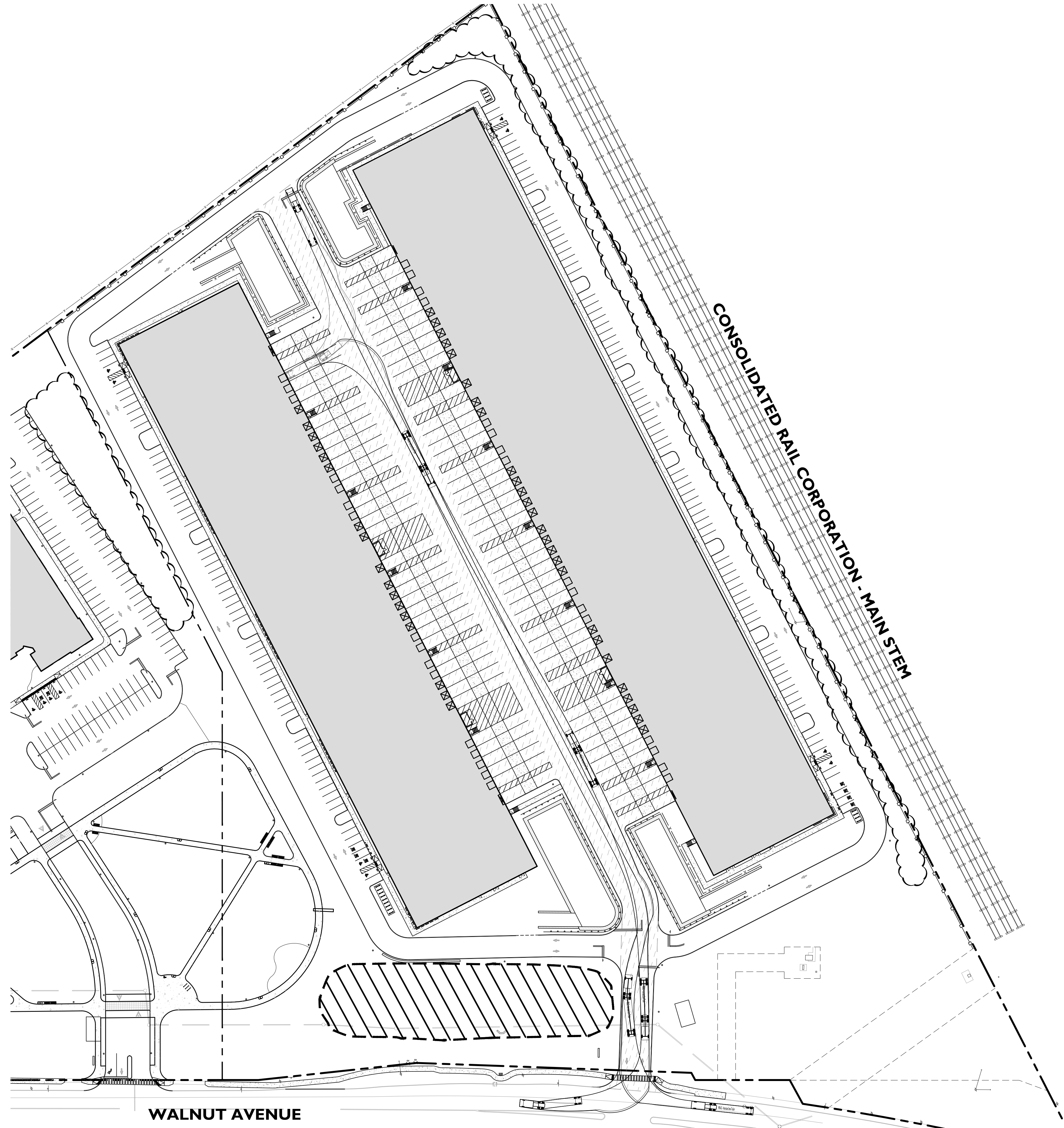
**STONEFIELD**  
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SCALE: 1" = 60' PROJECT ID: T-16509

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (WB-62 TRUCK)**

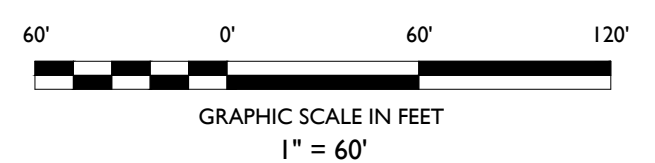
DRAWING:

T:\2021\16571 HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CAD\DWG\WB-62.DWG (P) VEHICLE MANEUVERING EXHIBIT - CRANFORD, NEW JERSEY



WB-62 - Interstate Semi-Trailer  
 Overall Length      69.000ft  
 Overall Width      8.500ft  
 Overall Body Height      13.500ft  
 Min Body Ground Clearance      1.334ft  
 Max Track Width      8.500ft  
 Lock-to-lock time      6.00s  
 Max Steering Angle (Virtual)      28.40°

**DATE PREPARED:**  
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VEHICLE MANEUVERING EXHIBIT

**HARTZ MOUNTAIN INDUSTRIES**  
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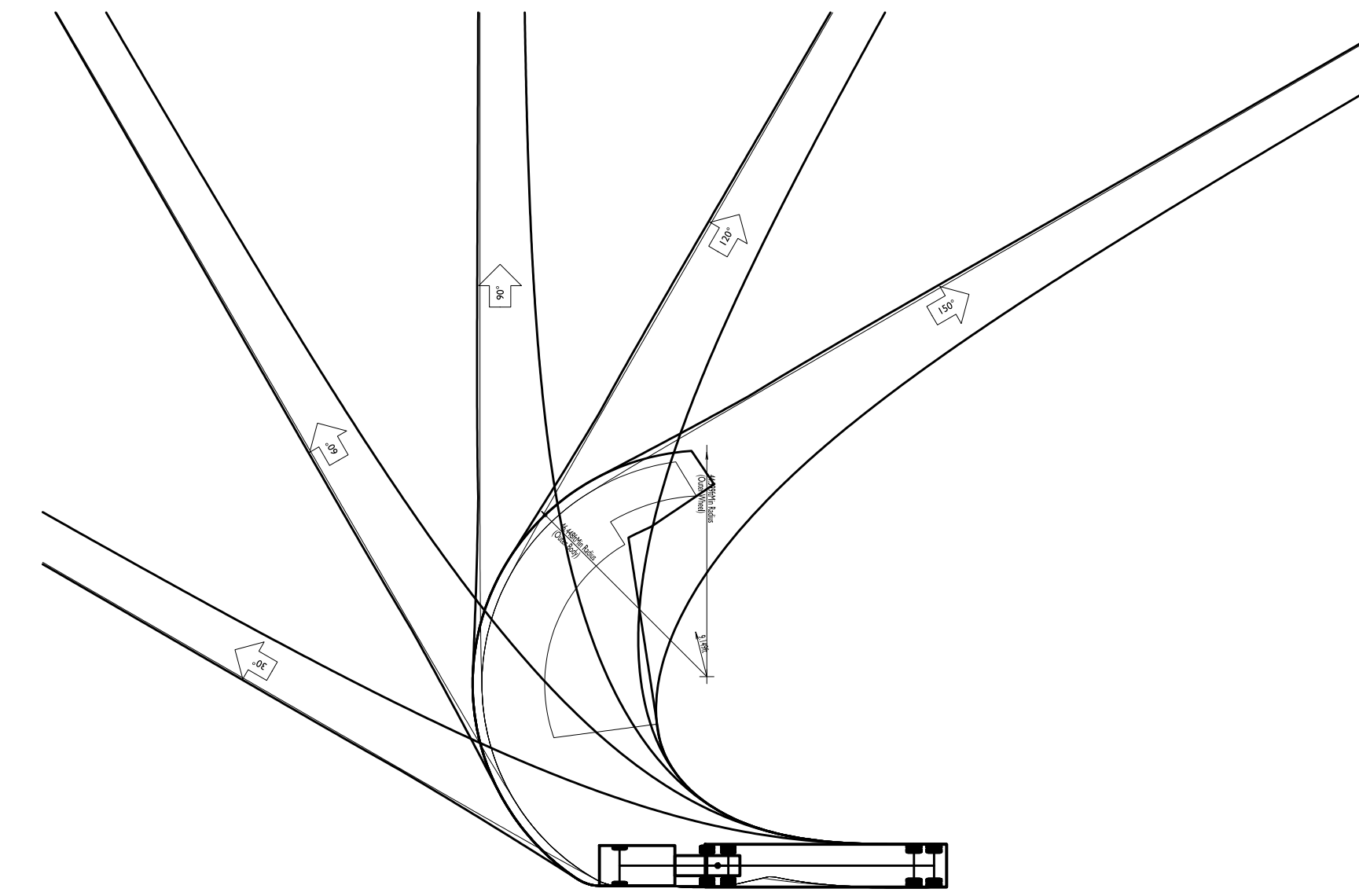
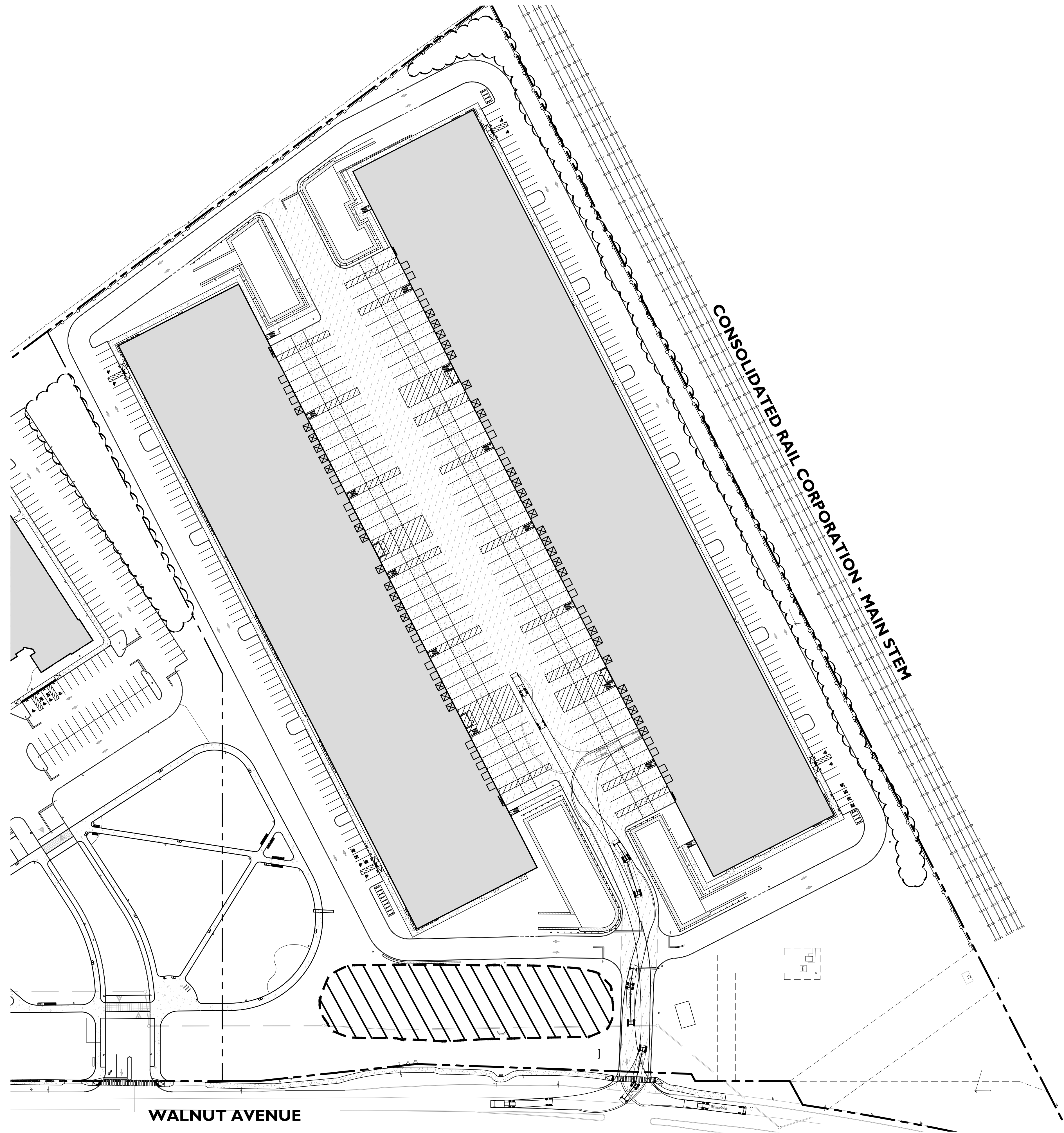
**STONEFIELD**  
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SCALE: 1" = 60'      PROJECT ID: T-16509

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (WB-62 TRUCK)**

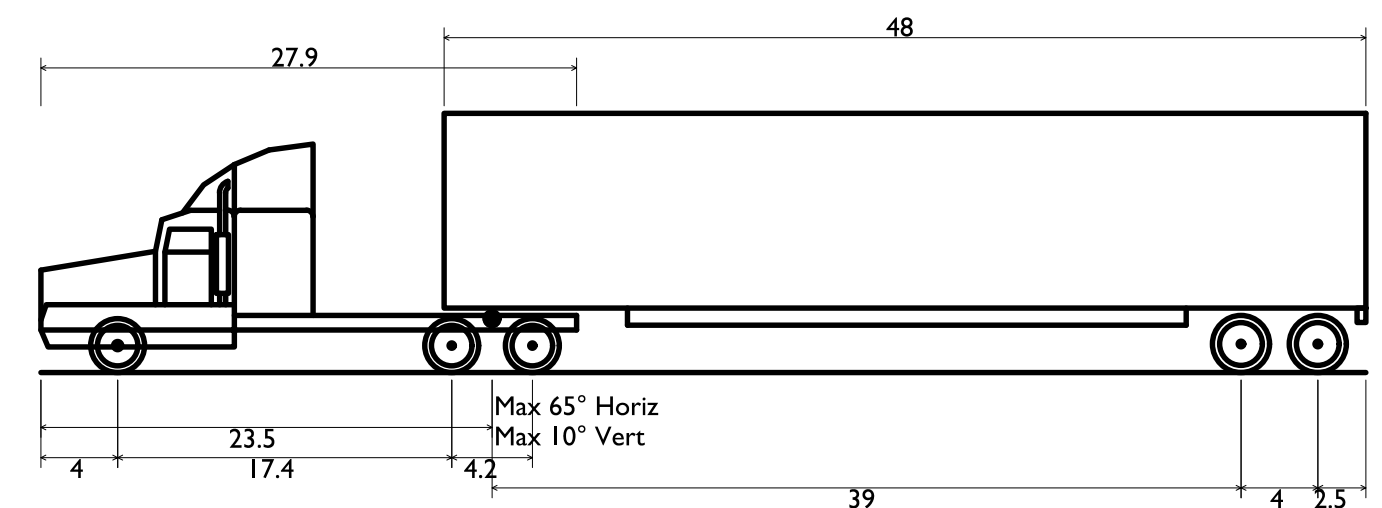
DRAWING:  
**12 OF 15**

T:\2021\1657\HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CAD\DWG\HMB13022.dwg (P) VEHICLE MANEUVERING EXHIBIT - CRANFORD, NEW JERSEY



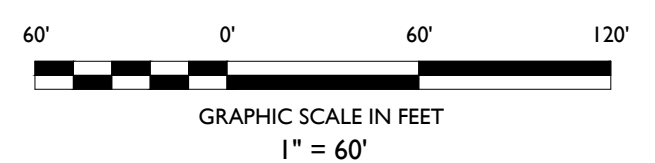
Vehicle Tracking ©2018/2019/2020 (s) Autodesk, Inc. www.Autodesk.com  
 Note:  
 Turns based upon a design speed of 100mph.

WB-62 - Interstate Semi-Trailer



WB-62 - Interstate Semi-Trailer  
 Overall Length      69.000ft  
 Overall Width      8.500ft  
 Overall Body Height      13.500ft  
 Min Body Ground Clearance      1.334ft  
 Max Track Width      8.500ft  
 Lock-to-lock time      6.00s  
 Max Steering Angle (Virtual)      28.40°

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VEHICLE MANEUVERING EXHIBIT

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**PROPOSED REDEVELOPMENT PLAN**

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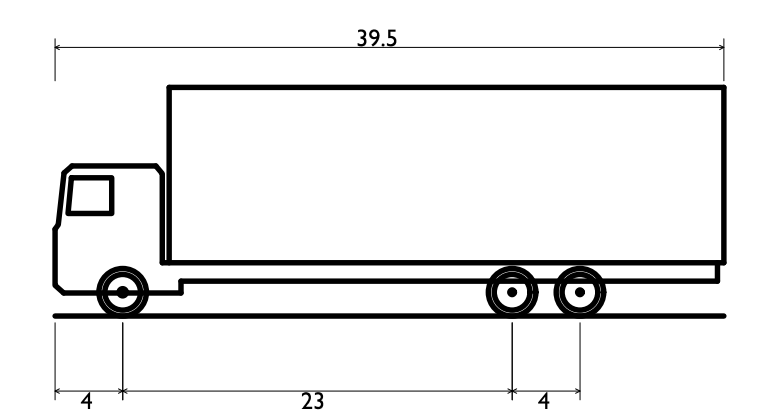
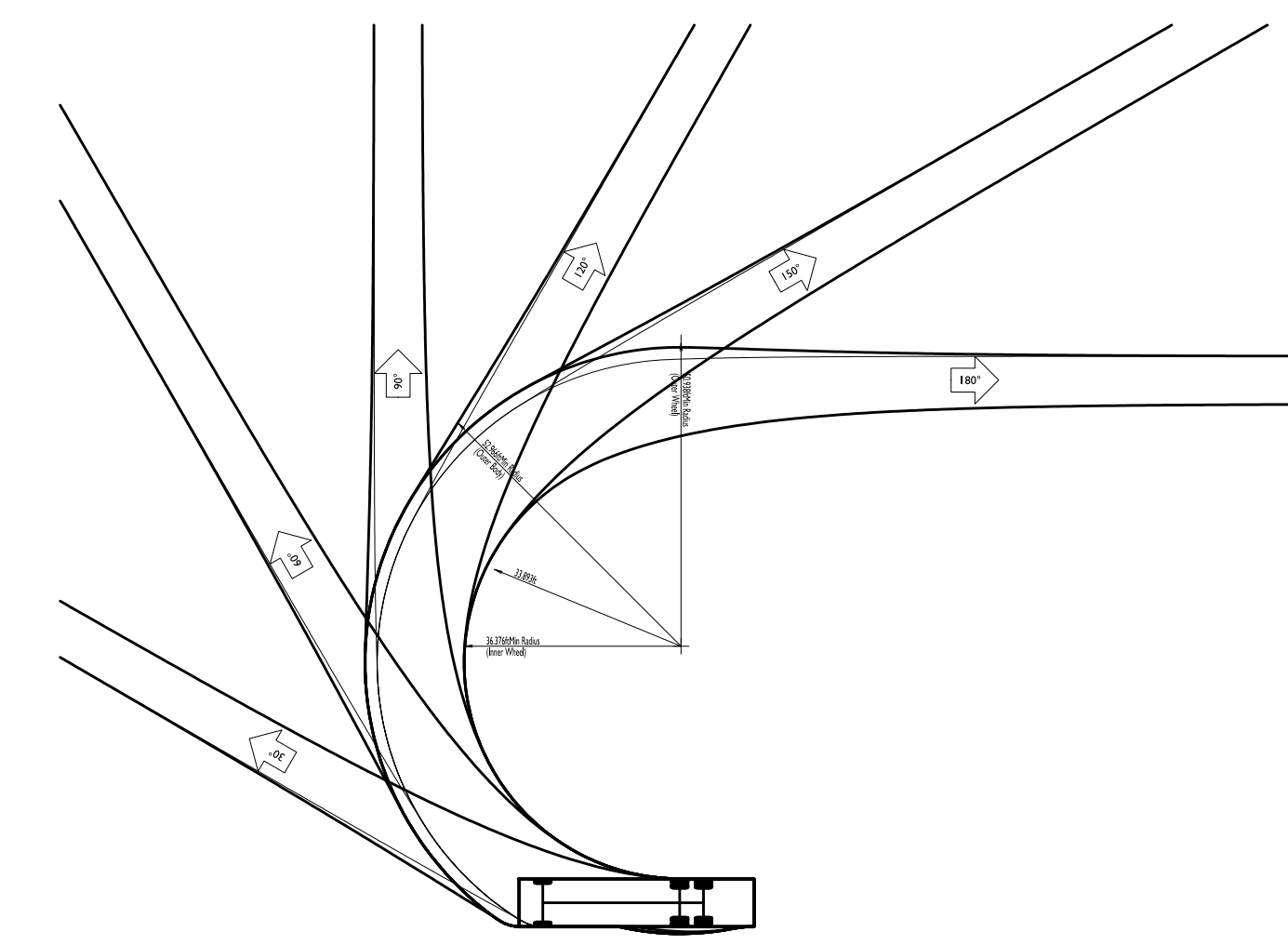
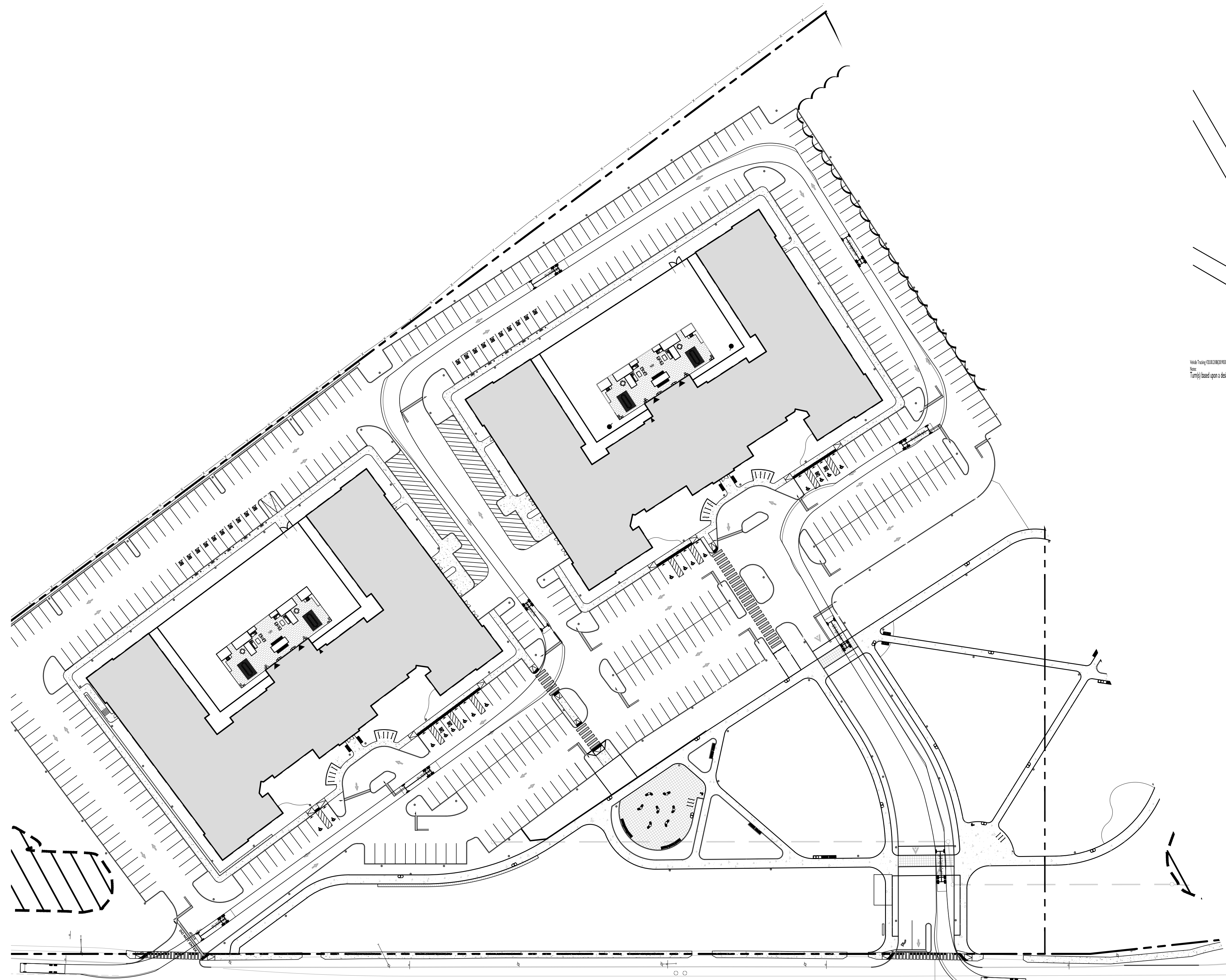
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SCALE: 1" = 60'      PROJECT ID: T-16509

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (WB-62 TRUCK)**

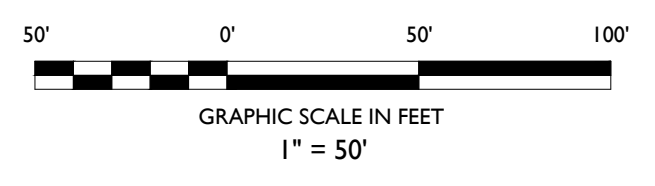
DRAWING:  
**13 OF 15**

T:\2021\1659\HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CAD\DWG\1659-07-01\_VEHICLE MANEUVERING EXHIBIT.dwg, NEW



- SU-40 - Single Unit Truck
- Overall Length 39.500ft
- Overall Width 8.000ft
- Overall Body Height 13.500ft
- Min Body Ground Clearance 1.367ft
- Track Width 8.000ft
- Lock-to-lock time 5.00s
- Max Steering Angle (Virtual) 31.80°

**DATE PREPARED:**  
09/21/2022



ISSUE	DATE	BY	DESCRIPTION
1	09/21/2022	NK	FOR TOWNSHIP HEARING

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VEHICLE MANEUVERING EXHIBIT

**HARTZ MOUNTAIN INDUSTRIES**  
**PROPOSED REDEVELOPMENT PLAN**

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UNION COUNTY, NEW JERSEY

ZACHARY E. CHAPLIN  
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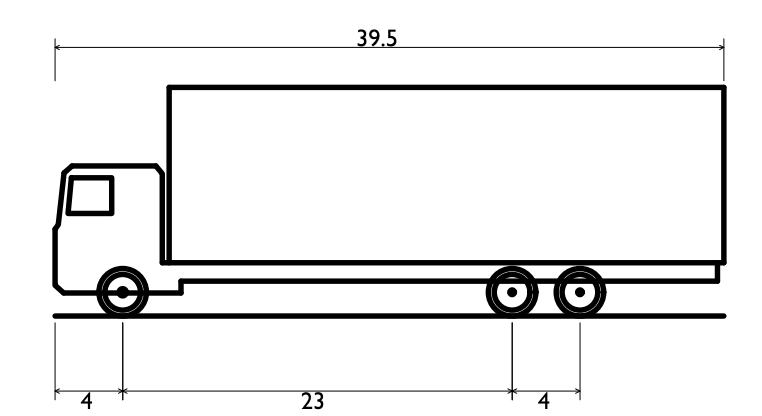
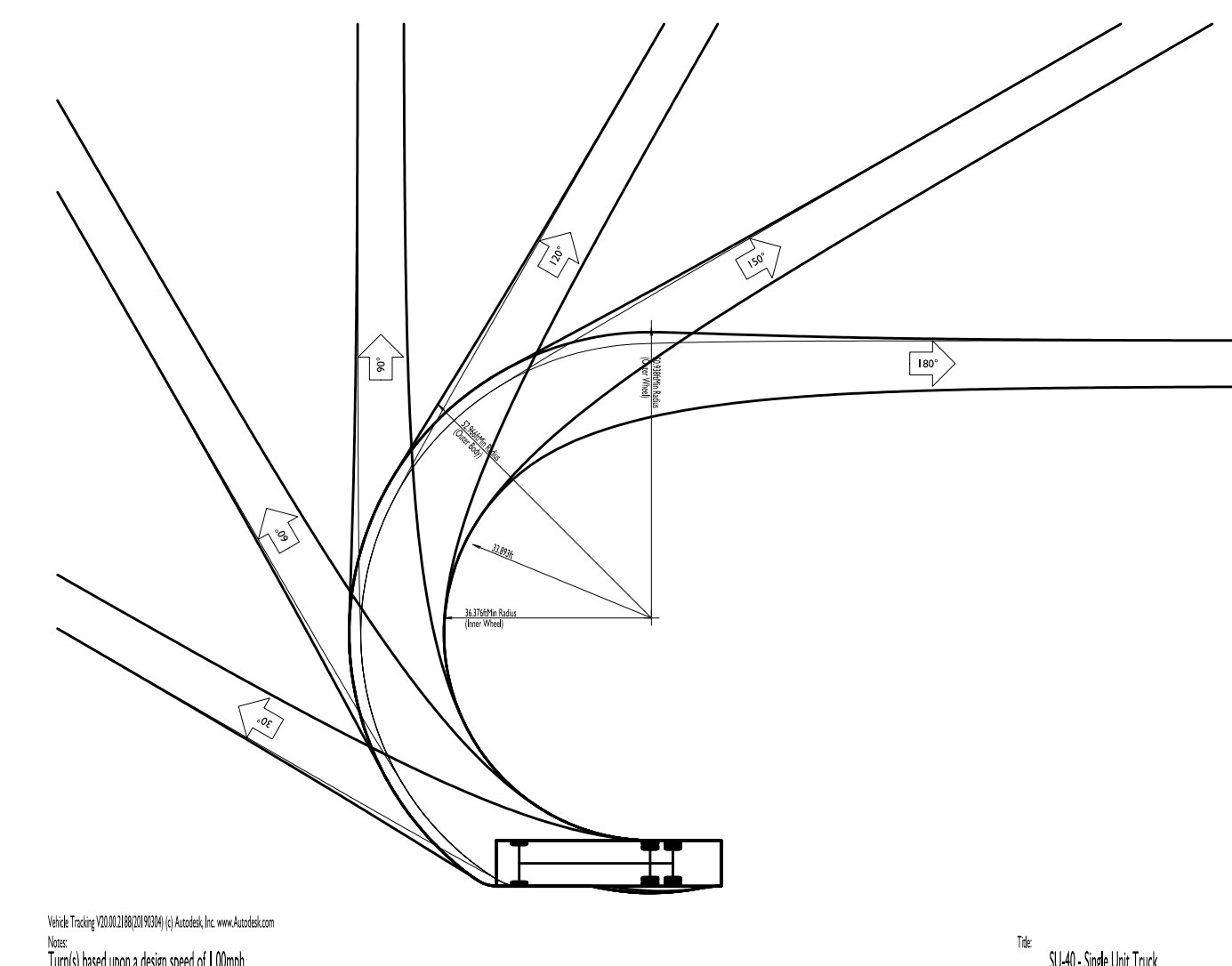
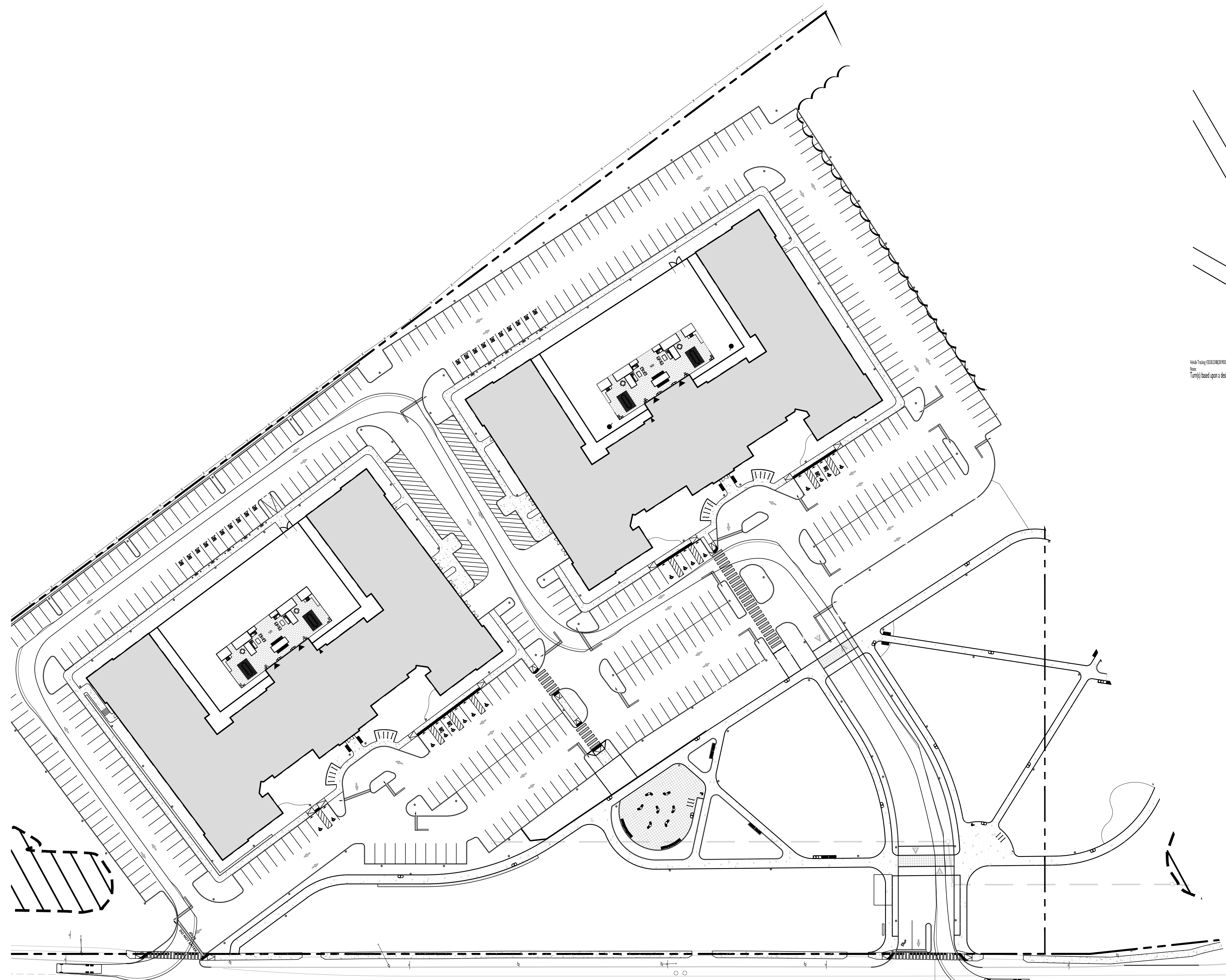
**STONEFIELD**  
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SCALE: 1" = 50' PROJECT ID: T-16599

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (SU-40 TRUCK)**

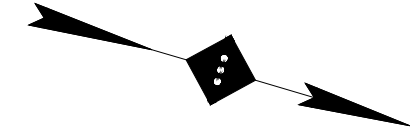
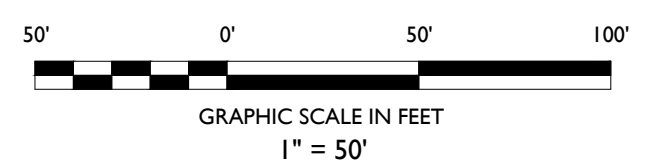
DRAWING:  
**14 OF 15**

T:\2021\16571 HARTZ INDUSTRIES - 750 WALNUT AVENUE CRANFORD, NJ\CAD\DWG\16571-02.dwg (P) VEHICLE MANEUVERING EXHIBIT - CRANFORD, NEW JERSEY



- SU-40 - Single Unit Truck
- Overall Length 39.500ft
- Overall Width 8.000ft
- Overall Body Height 13.500ft
- Min Body Ground Clearance 1.367ft
- Track Width 8.000ft
- Lock-to-lock time 5.00s
- Max Steering Angle (Virtual) 31.80°

**DATE PREPARED:**  
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ZACHARY E. CHAPLIN  
NEW JERSEY LICENSE No. 53605  
LICENSED PROFESSIONAL ENGINEER

**STONEFIELD**  
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SCALE: 1" = 50' PROJECT ID: T-16509

TITLE:  
**VEHICLE MANEUVERING EXHIBIT (SU-40 TRUCK)**

DRAWING:  
**15 OF 15**