

STAFF REPORT
(Preliminary Plat)

CASE NUMBER: SUB 2005-77 -- GREENWICH BUSINESS CENTER ADDITION

OWNER/APPLICANT: Richie Development Corp., 8100 E. 22nd St. N., Bldg. 1000,
Wichita, KS 67226

SURVEYOR/ENGINEER: MKEC Engineering Consultants, Inc., 411 N. Webb Road, Wichita, KS
67206

LOCATION: East side of Greenwich, South side of 29th St. North

SITE SIZE: 158.81 acres

NUMBER OF LOTS

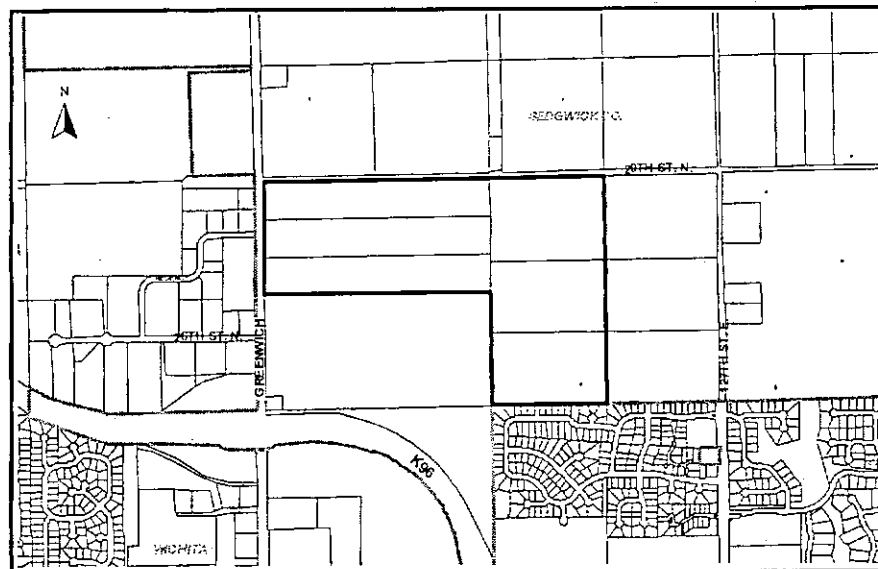
Residential:	
Office:	
Commercial:	
Industrial:	42
Total:	42

MINIMUM LOT AREA: 1.50 acres

CURRENT ZONING: SF-20, Single-Family Residential, RR, Rural Residential

PROPOSED ZONING: LI, Limited Industrial

VICINITY MAP



NOTE: This site is located in the County adjoining Wichita's city limits and annexation is required. The site has been approved for a zone change (ZON 2000-23) from SF-5, Single-Family Residential and RR, Rural Residential to LI, Limited Industrial. A Protective Overlay (P-O #74) was also approved for this site addressing uses, outside storage, setbacks, signage, and building height.

STAFF COMMENTS:

- A. The applicant shall guarantee the extension of sanitary sewer and City water to serve the lots being platted.
- B. If improvements are guaranteed by petition, a notarized certificate listing the petitions shall be submitted to the Planning Department for recording.
- C. City Engineering needs to comment on the status of the applicant's drainage concept.
- D. County/Traffic Engineering needs to comment on the need for any improvements to perimeter streets.
- E. Access controls need to be platted. The final plat shall reference the dedication of access controls in the plat's text.
- F. County Public Works has required annexation of 29th St. to east side of the plat, and also Greenwich along the plat.
- G. In accordance with Access Management regulations, a 25-ft x 25-ft corner clip is needed at the major intersection corner.
- H. The Applicant shall guarantee the paving of the proposed streets to the business/industrial street standard.
- I. In accordance with the KS Wetland Mapping Conventions under the Memorandum of Understanding between the USDA-NRCS; USEPA; USACE; and USF&WS, this site has been identified as one with potential wetland hydrology. The US Army Corps of Engineers (USACE) should be contacted (316-322-8247) to have a wetland determination completed.
- J. The final plat shall state in the plat's text the purposes of the proposed reserves as well as the ownership and maintenance responsibilities.
- K. Provisions shall be made for ownership and maintenance of the proposed reserves. The applicant shall either form a lot owners' association prior to recording the plat or shall submit a covenant stating when the association will be formed, when the reserves will be deeded to the association and who is to own and maintain the reserves prior to the association taking over those responsibilities.
- L. For those reserves being platted for drainage purposes, the required covenant which provides for ownership and maintenance of the reserves shall grant, to the appropriate governing body, the authority to maintain the drainage reserves in the event the owner(s) fail to do so. The covenant shall provide for the cost of such maintenance to be charged back to the owner(s) by the governing body.
- M. The applicant shall contact MAPD to discuss the need for an administrative adjustment to the Protective Overlay.

Protective-Overlay Certificate shall be submitted to MAPD prior to City Council consideration, identifying the approved P-O and its special conditions for development on this property.

In accordance with the CUP approval, a cross-lot circulation agreement is needed to assure internal vehicular movement between the lots.

GIS needs to comment on the plat's street names. *Ritchfield needs revised to Zelta. The west segment of Founders Cir needs revised to Collective Ln or Wawona. The east segment of Founders Cir needs revised to Founders.*

- Q. The applicant shall submit a copy of the instrument, which establishes the pipeline easements on the property, which verifies that the easements shown are sufficient and that utilities may be located adjacent to and within the easements. Any relocation, lowering or encasement of the pipeline, required by this development, will not be at the expense of the City of Wichita.
- R. The applicant shall contact the pipeline company regarding street crossings.
- S. The applicant's agent shall determine any setback requirements for the pipelines by researching the text of the pipeline agreements. If a setback from the pipeline easements is provided for in the pipeline easement agreements, it shall be indicated on the face of the plat.
- T. The Applicant is reminded that a platting binder is required with the final plat. Approval of this plat will be subject to submittal of this binder and any relevant conditions found by such a review.
- U. The plat's text shall include language that a drainage plan has been developed for the plat and that all drainage easements, rights-of-way, or reserves shall remain at established grades or as modified with the approval of the applicable City or County Engineer, and unobstructed to allow for the conveyance of stormwater.
- V. The applicant shall install or guarantee the installation of all utilities and facilities that are applicable and described in Article 8 of the MAPC Subdivision Regulations. (Water service and fire hydrants required by Article 8 for fire protection shall be as per the direction and approval of the Chief of the Fire Department.)
- W. The applicant's engineer is advised that the Register of Deeds is requiring the name(s) of the notary public, who acknowledges the signatures on this plat, to be printed beneath the notary's signature.
- X. To receive mail delivery without delay, and to avoid unnecessary expense, the applicant is advised of the necessity to meet with the U.S. Postal Service Growth Management Coordinator (Phone: 316-946-4556) prior to development of the plat so that the type of delivery, and the tentative mailbox locations can be determined.
- Y. The applicant is advised that various State and Federal requirements (specifically but not limited to the Army Corps of Engineers, Kanopolis Project Office, Rt. 1, Box 317, Valley Center, KS 67147) for the control of soil and wind erosion and the protection of wetlands may impact how this site can be developed. It is the applicant's responsibility to contact all appropriate agencies to determine any such requirements.

- Z. The owner of the subdivision should note that any construction that results in earthwork activities that will disturb one (1) acre or more of ground cover requires a Federal/State NPDES Storm Water Discharge Permit from the Kansas Department of Health and Environment in Topeka. Also, for projects located within the City of Wichita, erosion and sediment control devices must be used on ALL projects. For projects outside of the City of Wichita, but within the Wichita Metropolitan area, the owner should contact the appropriate governmental jurisdiction concerning erosion and sediment control device requirements.
- AA. Perimeter closure computations shall be submitted with the final plat tracing.
- BB. Recording of the plat within 30 days after approval by the City Council and/or County Commission.
- CC. The representatives from the utility companies should be prepared to comment on the need for any additional utility easements to be platted on this property.
- DD. A compact disc (CD), which will be used by the City and County GIS Departments, detailing the final plat in digital format in AutoCAD. If a disc is not provided, please send via e-mail to Cheryl Holloway (E-Mail address: cholloway@wichita.gov). Please include the name of the plat on the disc.

STAFF REPORT
(Final Plat, Preliminary Plat Approved 8/4/05)

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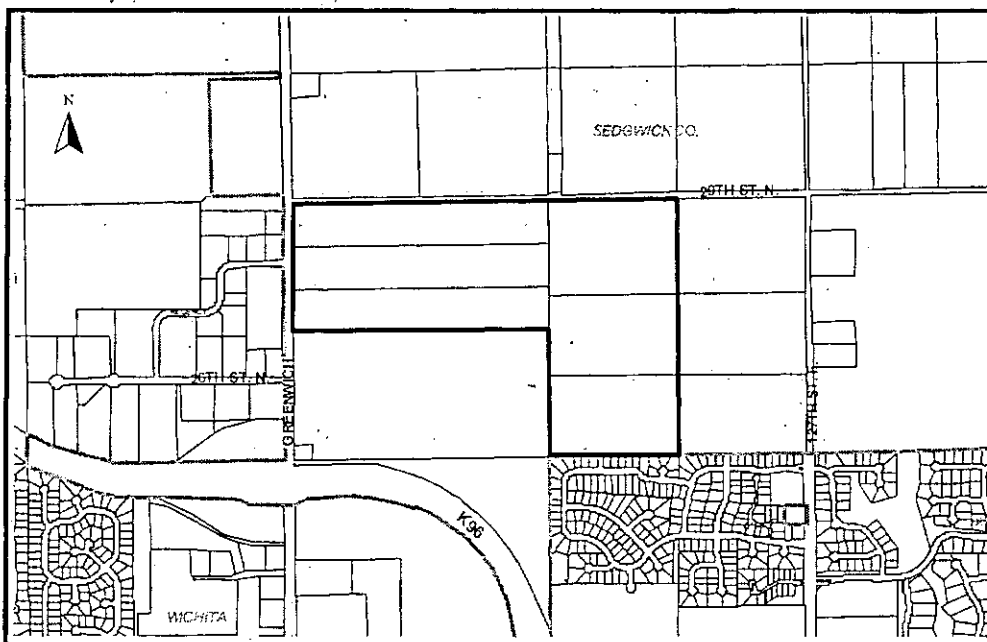
Residential:	
Office:	
Commercial:	
Industrial:	<u>42</u>
Total:	<u>42</u>

MINIMUM LOT AREA: 1.50 acres

CURRENT ZONING: SF-20, Single-Family Residential; RR, Rural Residential

PROPOSED ZONING: LI, Limited Industrial

VICINITY MAP



NOTE: This site is located in the County adjoining Wichita's city limits and annexation is required. The site has been approved for two zone changes (ZON 2000-23 and ZON 2005-03) from SF-20, Single-Family Residential and RR, Rural Residential to LI, Limited Industrial. Two Protective Overlays (P-O #74 and P-O 155) were also approved for this site addressing uses, outside storage, setbacks, signage, and building height.

STAFF COMMENTS:

- A. The applicant shall guarantee the extension of sanitary sewer main and laterals and City water main and laterals to serve the lots being platted.
- B. If improvements are guaranteed by petition, a notarized certificate listing the petitions shall be submitted to the Planning Department for recording.
- C. City Engineering needs to comment on the status of the applicant's drainage plan. County Engineering requests a copy of the drainage plan. City Engineering requests an off-site drainage easement for the property located to the southwest, adjoining the Fairmont Addition due to its use as stormwater detention for this plat. A restrictive covenant shall be provided regarding ownership and maintenance responsibilities.
- D. Traffic Engineering needs to comment on the need for any improvements to perimeter streets. The applicant shall provide a petition for the paving of 29th St. North. Traffic Engineering will determine the need for additional traffic improvements upon submittal of final plat.
- E. Traffic Engineering needs to comment on the access controls. The plat proposes three openings along Greenwich Road. The plat's text specifies that access control to 29th St. North will be in accordance with access management standards. Traffic Engineering has requested that the northernmost opening along Greenwich be limited to right-turns only.
- F. County Public Works has required annexation of 29th St. to east side of the plat, and also Greenwich along the plat.
- G. The Applicant shall guarantee the paving of the proposed streets to the business/industrial street standard.
- H. In accordance with the KS Wetland Mapping Conventions under the Memorandum of Understanding between the USDA-NRCS; USEPA; USACE; and USF&WS, this site has been identified as one with potential wetland hydrology. The US Army Corps of Engineers (USACE) should be contacted (316-322-8247) to have a wetland determination completed.
- I. Provisions shall be made for ownership and maintenance of the proposed reserves. The applicant shall either form a lot owners' association prior to recording the plat or shall submit a covenant stating when the association will be formed, when the reserves will be deeded to the association and who is to own and maintain the reserves prior to the association taking over those responsibilities.
- J. For those reserves being platted for drainage purposes, the required covenant which provides for ownership and maintenance of the reserves shall grant, to the appropriate governing body, the authority to maintain the drainage reserves in the event the owner(s) fail to do so. The covenant shall provide for the cost of such maintenance to be charged back to the owner(s) by the governing body.

SUB 2005-77 -- Final Plat of GREENWICH BUSINESS CENTER ADDITION

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- K. The applicant shall contact MAPD to discuss the need for an administrative adjustment to the Protective Overlay.
- L. A Protective-Overlay Certificate shall be submitted to MAPD prior to City Council consideration, identifying the approved P-O and its special conditions for development on this property.
- M. In accordance with the P-O approval, a cross-lot circulation agreement is needed to assure internal vehicular movement between the lots.
- N. GIS needs to comment on the plat's street names. The name "Carmine" needs to be replaced.
- O. The right-of-way dimensions are needed at the major intersection.
- P. The applicant shall submit a copy of the instrument, which establishes the pipeline easements on the property, which verifies that the easements shown are sufficient and that utilities may be located adjacent to and within the easements. Any relocation, lowering or encasement of the pipeline, required by this development, will not be at the expense of the City of Wichita.
- Q. The applicant shall contact the pipeline company regarding street crossings.
- R. The applicant's agent shall determine any setback requirements for the pipelines by researching the text of the pipeline agreements. If a setback from the pipeline easements is provided for in the pipeline easement agreements, it shall be indicated on the face of the plat.
- S. The Applicant is reminded that a platting binder is required with the final plat. Approval of this plat will be subject to submittal of this binder and any relevant conditions found by such a review.
- T. The MAPC signature block needs to reference "Harold L. Warner, Jr., Chair".
- U. The plat's text shall include language that a drainage plan has been developed for the plat and that all drainage easements, rights-of-way, or reserves shall remain at established grades or as modified with the approval of the applicable City or County Engineer, and unobstructed to allow for the conveyance of stormwater.
- V. The applicant shall install or guarantee the installation of all utilities and facilities that are applicable and described in Article 8 of the MAPC Subdivision Regulations. (Water service and fire hydrants required by Article 8 for fire protection shall be as per the direction and approval of the Chief of the Fire Department.)
- W. The applicant's engineer is advised that the Register of Deeds is requiring the name(s) of the notary public, who acknowledges the signatures on this plat, to be printed beneath the notary's signature.
- X. To receive mail delivery without delay, and to avoid unnecessary expense, the applicant is advised of the necessity to meet with the U.S. Postal Service Growth Management Coordinator (Phone: 316-946-4556) prior to development of the plat so that the type of delivery, and the tentative mailbox locations can be determined.

- Y. The applicant is advised that various State and Federal requirements (specifically but not limited to the Army Corps of Engineers, Kanopolis Project Office, Rt. 1, Box 317, Valley Center, KS 67147) for the control of soil and wind erosion and the protection of wetlands may impact how this site can be developed. It is the applicant's responsibility to contact all appropriate agencies to determine any such requirements.
- Z. The owner of the subdivision should note that any construction that results in earthwork activities that will disturb one (1) acre or more of ground cover requires a Federal/State NPDES Storm Water Discharge Permit from the Kansas Department of Health and Environment in Topeka. Also, for projects located within the City of Wichita, erosion and sediment control devices must be used on ALL projects. For projects outside of the City of Wichita, but within the Wichita Metropolitan area, the owner should contact the appropriate governmental jurisdiction concerning erosion and sediment control device requirements.
- AA. Perimeter closure computations shall be submitted with the final plat tracing.
- BB. Recording of the plat within 30 days after approval by the City Council and/or County Commission.
- CC. The representatives from the utility companies should be prepared to comment on the need for any additional utility easements to be platted on this property.
- DD. A compact disc (CD), which will be used by the City and County GIS Departments, detailing the final plat in digital format in AutoCAD. If a disc is not provided, please send via e-mail to Cheryl Holloway (E-Mail address: cholloway@wichita.gov). Please include the name of the plat on the disc.

Greenwich Business Center Addition, Wichita KS

Parcel Closure

Project: J:\CIVIL\05039\Dwg\Prop\05039

COGO Revisions: Tuesday, August 22, 2006

Date: Tuesday, Nov. 22, 2005

Coordinate: Kansas Coordinate System South Zone - Scaled to the Surface (CAF=1.000120014401728207)

Client Contact: Rob Ramseyer

Final Plat Boundary - Post Street Dedication

Line Course: S 89-14-32.6 W Length: 2586.38541	North: 1703813.7600 East: 1688820.7024
Line Course: N 00-32-28.1 W Length: 70.00050	North: 1703779.5617 East: 1686234.5431
Line Course: N 00-32-28.1 W Length: 924.47825	North: 1703849.5591 East: 1686233.8820
Line Course: N 07-59-22.3 E Length: 101.12000	North: 1704773.9961 East: 1686225.1507
Line Course: N 00-32-28.1 W Length: 150.00000	North: 1704874.1346 East: 1686239.2056
Line Course: N 44-21-53.5 E Length: 35.41329	North: 1705024.1279 East: 1686237.7889
Line Course: N 89-16-15.1 E Length: 150.00000	North: 1705049.4450 East: 1686262.5508
Line Course: N 80-44-24.8 E Length: 101.12000	North: 1705051.3538 East: 1686412.5386
Line Course: N 89-16-15.1 E Length: 1860.05947	North: 1705067.6251 East: 1686512.3409
Line Course: N 89-16-15.1 E Length: 70.00038	North: 1705091.2953 East: 1688372.2498
Line Course: N 89-16-15.1 E Length: 365.15847	North: 1705092.1861 East: 1688442.2445
Line Course: N 88-52-42.9 E Length: 643.37263	North: 1705096.8330 East: 1688807.3734
Line Course: N 88-52-42.2 E Length: 70.00485	North: 1705109.4245 East: 1689450.6228
Line Course: N 88-52-42.2 E Length: 612.52697	North: 1705110.7948 East: 1689520.6142
Line Course: S 00-33-26.6 E Length: 2619.83390	North: 1705122.7848 East: 1690133.0238
Line Course: S 89-07-06.0 W Length: 1324.13677	North: 1702503.0749 East: 1690158.5099
Line Course: N 00-35-42.7 W Length: 1331.13185	North: 1702482.6999 East: 1688834.5299
	North: 1703813.7599 East: 1688820.7022

Perimeter: 13014.74274 Area: 6,779,830 sq.ft. 155.643 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0002 Course: S 50-26-32.9 W

Error North: -0.00015 East: -0.00018

Precision 1: 65,073,713.70000

Final Plat Boundary - Pre Street Dedication

Line Course: S 1586.53156 W Length: 2596.385	North: 1703813.760 East: 1688820.702
Line Course: N 09.62029 W Length: 1314.436	North: 1703779.430 East: 1686224.544
	North: 1705093.807 East: 1686212.130

Line Course: N 1587.03771 E Length: 2595.142 North: 1705126.832 East: 1688807.062
 Line Course: N 1580.06095 E Length: 1325.924 North: 1705152.785 East: 1690132.732
 Line Course: S 9.90922 E Length: 30.001 North: 1705122.785 East: 1690133.024
 Line Course: S 9.90922 E Length: 2619.834 North: 1702503.075 East: 1690158.510
 Line Course: S 1584.32592 W Length: 1324.137 North: 1702482.700 East: 1688834.530
 Line Course: N 10.58118 W Length: 1331.132 North: 1703813.761 East: 1688820.702

Perimeter: 13136.992 Area: 6,917,593 sq.ft. 158.80 acres

Mapcheck Closure - (Uses listed courses and chords)

Error Closure: 0.001 Course: N 338.09731 W
 Error North: 0.0005 East: -0.0002
 Precision 1: 13,136,991.000

Parcel name: Res. "A"

Line Course: S 89-27-31.9 W Length: 90.00000 North: 1704765.5732 East : 1687195.2734
 Line Course: S 89-27-31.9 W Length: 250.00000 North: 1704764.7232 East : 1687105.2775
 Line Course: S 00-32-28.1 E Length: 515.00000 North: 1704762.3621 East : 1686855.2886
 Line Course: S 00-32-28.1 E Length: 389.51272 North: 1704247.3851 East : 1686860.1525
 Line Course: S 00-32-28.1 E Length: 389.51272 North: 1703857.8897 East : 1686863.8313
 Line Course: N 89-14-32.6 E Length: 340.00243 North: 1703862.3854 East : 1687203.8040
 Line Course: N 00-32-28.1 W Length: 303.22824 North: 1704165.6001 East : 1687200.9402
 Line Course: N 00-32-28.1 W Length: 300.00000 North: 1704465.5867 East : 1687198.1068
 Line Course: N 00-32-28.1 W Length: 300.00000 North: 1704765.5733 East : 1687195.2734

Perimeter: 2487.74338 Area: 307,315 sq.ft. 7.055 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: N 01-24-08.6 E
 Error North: 0.00010 East : 0.00000
 Precision 1: 24,877,433.90000

Parcel name: Res. "B"

Curve Length: 143.03123 Radius: 435.00000 North: 1705110.7949 East : 1689520.6141
 Delta: 18-50-21.4 Tangent: 72.16699
 Chord: 142.38780 Course: S 08-54-57.9 W
 Course In: S 89-29-47.2 W Course Out: S 71-39-51.4 E
 RP North: 1705106.9718 East : 1689085.6309
 End North: 1704970.1276 East : 1689498.5458
 Line Course: S 18-20-08.6 W Length: 13.32314 North: 1704957.4809 East : 1689494.3545
 Line Course: N 89-24-17.3 E Length: 270.00000

Line Course: S 49-28-25.5 E Length: 292.32188	North: 1704960.2857 East : 1689764.3399
Line Course: S 49-28-25.5 E Length: 198.88426	North: 1704770.3360 East : 1689986.5362
Line Course: N 00-33-26.6 W Length: 481.70593	North: 1704641.1017 East : 1690137.7098
Line Course: S 88-52-42.2 W Length: 612.52697	North: 1705122.7848 East : 1690133.0237
	North: 1705110.7949 East : 1689520.6141

Perimeter: 2011.79343 Area: 156,669 sq.ft. 3.596 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 32-11-59.9 E
 Error North: 0.00001 East : 0.00000
 Precision 1: 2,011,149,980.00000

Parcel name: Res. "C"

Line Course: N 45-38-57.7 W Length: 70.57698	North: 1703850.2208 East : 1686283.8776
Line Course: S 00-32-28.1 E Length: 50.00000	North: 1703899.5574 East : 1686233.4097
Line Course: N 89-14-32.6 E Length: 50.00000	North: 1703849.5597 East : 1686233.8819
	North: 1703850.2208 East : 1686283.8776

Perimeter: 170.57698 Area: 1,249 sq.ft. 0.028 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 25-27-58.5 E
 Error North: 0.00002 East : 0.00001
 Precision 1: 170,576,980.00000

Parcel name: Res. "D"

Line Course: S 45-38-06.5 E Length: 70.59458	North: 1705090.6593 East : 1688322.2537
Line Course: N 00-32-28.1 W Length: 50.00000	North: 1705041.2978 East : 1688372.7219
Line Course: S 89-16-15.1 W Length: 50.00000	North: 1705091.2955 East : 1688372.2497
	North: 1705090.6593 East : 1688322.2537

Perimeter: 170.59458 Area: 1,249 sq.ft. 0.028 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 45-38-11.6 E
 Error North: -0.00000 East : 0.00000
 Precision 1: 170,594,580.00000

Parcel name: Res. "E"

Line Course: S 44-21-53.5 W Length: 70.82658	North: 1705092.8226 East : 1688492.2403
Line Course: N 00-32-28.1 W Length: 50.00000	North: 1705042.1885 East : 1688442.7166
Line Course: N 89-16-15.1 E Length: 50.00000	North: 1705092.1863 East : 1688442.2444

North: 1705092.8226 East : 1688492.2403

Perimeter: 170.82658 Area: 1,249 sq.ft. 0.028 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 44-21-51.3 E

Error North: 0.00001 East : 0.00001

Precision 1: 170,826,580.00000

Parcel name: Res. "F"

North: 1705059.5201 East : 1689447.5333

Curve Length: 50.03919 Radius: 365.00000
 Delta: 7-51-17.6 Tangent: 25.05885
 Chord: 50.00000 Course: N 03-32-32.8 E
 Course In: N 82-31-48.4 W Course Out: N 89-36-54.0 E
 RP North: 1705106.9720 East : 1689085.6309
 End North: 1705109.4246 East : 1689450.6227
 Line Course: S 88-52-42.2 W Length: 50.00000

North: 1705108.4458 East : 1689400.6323

Line Course: S 43-47-22.5 E Length: 67.77487

North: 1705059.5201 East : 1689447.5333

Perimeter: 167.81405 Area: 1,274 sq.ft. 0.029 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 43-47-26.1 W

Error North: 0.00000 East : -0.00000

Precision 1: 167,774,870.00000

Parcel name: Res. "G"

North: 1702539.4464 East : 1689463.1616

Line Course: N 89-26-33.4 E Length: 300.00000

North: 1702542.3649 East : 1689763.1474

Line Course: N 89-26-33.4 E Length: 394.96168

North: 1702546.2071 East : 1690158.0904

Line Course: S 00-33-26.6 E Length: 43.13419

North: 1702503.0749 East : 1690158.5100

Line Course: S 89-07-06.0 W Length: 1324.13677

North: 1702482.6999 East : 1688834.5300

Line Course: N 00-35-42.7 W Length: 50.62829

North: 1702533.3255 East : 1688834.0041

Line Course: N 89-26-33.4 E Length: 629.18728

North: 1702539.4463 East : 1689463.1616

Perimeter: 2742.04821 Area: 62,077 sq.ft. 1.425 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: S 03-59-40.0 W

Error North: -0.00011 East : -0.00001

Precision 1: 27,420,482.10000

Parcel name: ST_1

North: 1703813.7676 East : 1686174.2173

Line Course: N 89-14-32.6 E Length: 1435.01024

North: 1703832.7419 East : 1687609.1021

Line Course: N 89-14-32.6 E Length: 685.47713

Curve Length: 195.87727 Radius: 125.00000
 Delta: 89-47-00.7 Tangent: 124.52865
 Chord: 176.44246 Course: N 44-21-02.3 E
 Course In: N 00-45-27.4 W Course Out: N 89-27-31.9 E
 RP North: 1703966.7947 East : 1688292.8665
 End North: 1703967.9752 East : 1688417.8610
 Line Course: N 00-32-28.1 W Length: 509.10969

North: 1703841.8056 East : 1688294.5193

Line Course: N 00-32-28.1 W Length: 674.70685

North: 1704477.0622 East : 1688413.0527

North: 1705151.7390 East : 1688406.6804

Parcel name: ST_2

Line Course: S 00-32-28.1 E Length: 627.94979

North: 1704460.6634 East : 1687603.1714

North: 1703832.7416 East : 1687609.1021

Parcel name: ST_3

Line Course: N 89-27-31.9 E Length: 101.36954

North: 1704477.0618 East : 1688413.0527

North: 1704478.0192 East : 1688514.4177

Curve Length: 282.85194 Radius: 2000.00000
 Delta: 8-06-11.2 Tangent: 141.66209
 Chord: 282.61611 Course: N 85-24-26.3 E
 Course In: N 00-32-28.1 W Course Out: S 08-38-39.3 E
 RP North: 1706477.9300 East : 1688495.5286
 End North: 1704500.6488 East : 1688796.1263

Curve Length: 414.60587 Radius: 2000.00000
 Delta: 11-52-39.3 Tangent: 208.04829
 Chord: 413.86339 Course: N 87-17-40.3 E
 Course In: S 08-38-39.3 E Course Out: N 03-14-00.0 E
 RP North: 1702523.3676 East : 1689096.7242
 End North: 1704520.1839 East : 1689209.5284

Line Course: S 86-46-00.0 E Length: 115.60657

North: 1704513.6634 East : 1689324.9510

Parcel name: ST_4

Line Course: S 01-07-17.8 E Length: 55.30754

North: 1705170.0988 East : 1689484.4716

North: 1705114.8018 East : 1689485.5543

Curve Length: 135.83781 Radius: 400.00000
 Delta: 19-27-26.4 Tangent: 68.57933
 Chord: 135.18619 Course: S 08-36-25.4 W
 Course In: S 88-52-42.2 W Course Out: S 71-39-51.4 E
 RP North: 1705106.9720 East : 1689085.6309
 End North: 1704981.1381 East : 1689465.3227

Line Course: S 18-20-08.6 W Length: 383.68148

North: 1704616.9363 East : 1689344.6225

Curve Length: 105.43456 Radius: 400.00000
 Delta: 15-06-08.6 Tangent: 53.02473
 Chord: 105.12978 Course: S 10-47-04.3 W
 Course In: S 71-39-51.4 E Course Out: N 86-46-00.0 W
 RP North: 1704491.1026 East : 1689724.3143
 End North: 1704513.6634 East : 1689324.9510

Curve Length: 335.29113 Radius: 400.00000
 Delta: 48-01-36.9 Tangent: 178.20407

Chord: 325.56098 Course: S 20-46-48.5 E
 Course In: S 86-46-00.0 E Course Out: S 45-12-23.1 W
 RP North: 1704491.1024 East: 1689724.3143
 End North: 1704209.2805 East: 1689440.4545
 Curve Length: 72.59290 Radius: 400.00000
 Delta: 10-23-53.4 Tangent: 36.39637
 Chord: 72.49326 Course: S 49-59-33.6 E
 Course In: N 45-12-23.1 E Course Out: S 34-48-29.7 W
 RP North: 1704491.1024 East: 1689724.3144
 End North: 1704162.6757 East: 1689495.9816
 Line Course: S 55-11-30.3 E Length: 181.00808
 North: 1704059.3505 East: 1689644.6014
 Line Course: S 55-11-30.3 E Length: 71.24454
 North: 1704018.6818 East: 1689703.0979
 Curve Length: 238.22241 Radius: 250.00000
 Delta: 54-35-47.6 Tangent: 129.02511
 Chord: 229.31143 Course: S 27-53-36.5 E
 Course In: S 34-48-29.7 W Course Out: N 89-24-17.3 E
 RP North: 1703813.4151 East: 1689560.3900
 End North: 1703816.0121 East: 1689810.3765
 Line Course: S 00-35-42.7 E Length: 688.34850
 North: 1703127.7007 East: 1689817.5270
 Curve Length: 196.34954 Radius: 125.00000
 Delta: 90-00-00.0 Tangent: 125.00000
 Chord: 176.77670 Course: S 44-24-17.3 W
 Course In: S 89-24-17.3 W Course Out: S 00-35-42.7 E
 RP North: 1703126.4022 East: 1689692.5337
 End North: 1703001.4089 East: 1689693.8322
 Line Course: S 89-24-17.3 W Length: 214.64391
 North: 1702999.1792 East: 1689479.1999
 Curve Length: 196.34954 Radius: 125.00000
 Delta: 90-00-00.0 Tangent: 125.00000
 Chord: 176.77670 Course: N 45-35-42.7 W
 Course In: N 00-35-42.7 W Course Out: S 89-24-17.3 W
 RP North: 1703124.1725 East: 1689477.9014
 End North: 1703122.8740 East: 1689352.9081
 Line Course: N 00-35-42.7 W Length: 883.73041
 North: 1704006.5567 East: 1689343.7280
 Curve Length: 199.84723 Radius: 250.00000
 Delta: 45-48-05.8 Tangent: 105.60825
 Chord: 194.56841 Course: N 22-18-20.2 E
 Course In: N 89-24-17.3 E Course Out: N 44-47-36.9 W
 RP North: 1704009.1537 East: 1689593.7145
 End North: 1704186.5661 East: 1689417.5758
 Line Course: N 45-12-23.1 E Length: 32.23939
 North: 1704209.2805 East: 1689440.4545

Parcel name: ST_5

North: 1704059.3505 East: 1689644.6013
 Line Course: N 34-48-29.7 E Length: 71.14609
 North: 1704117.7662 East: 1689685.2138
 Curve Length: 185.37200 Radius: 300.00000
 Delta: 35-24-12.4 Tangent: 95.75214
 Chord: 182.43701 Course: N 17-06-23.5 E
 Course In: N 55-11-30.3 W Course Out: N 89-24-17.3 E
 RP North: 1704289.0158 East: 1689438.8936
 End North: 1704292.1322 East: 1689738.8775
 Line Course: N 00-35-42.7 W Length: 140.37659

North: 1704432.5012 East : 1689737.4192

Parcel name: Block 1, Lot 1

Line Course: N 00-32-28.1 W Length: 265.42941

North: 1704798.9602 East : 1686494.9269

Line Course: S 80-44-24.8 W Length: 80.93619

North: 1705064.3778 East : 1686492.4200

Line Course: S 89-16-15.1 W Length: 150.00000

North: 1705051.3543 East : 1686412.5385

Line Course: S 44-21-53.5 W Length: 35.41329

North: 1705049.4455 East : 1686262.5507

Line Course: S 00-32-28.1 E Length: 150.00000

North: 1705024.1284 East : 1686237.7888

Line Course: S 07-59-22.3 W Length: 78.45471

North: 1704874.1351 East : 1686239.2055

Line Course: N 89-27-31.9 E Length: 266.63786

North: 1704796.4420 East : 1686228.3009

North: 1704798.9602 East : 1686494.9269

Perimeter: 1026.87146 Area: 65,135 sq.ft. 1.495 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 15-04-20.9 W

Error North: -0.00003 East : -0.00001

Precision 1: 1,026,871,460.00000

Parcel name: Block 1, Lot 2

Line Course: N 00-32-28.1 W Length: 305.00000

North: 1704493.9739 East : 1686497.8075

Line Course: S 89-27-31.9 W Length: 266.63786

North: 1704798.9602 East : 1686494.9269

Line Course: S 07-59-22.3 W Length: 22.66529

North: 1704796.4420 East : 1686228.3009

Line Course: S 00-32-28.1 E Length: 282.58546

North: 1704773.9967 East : 1686225.1506

Line Course: N 89-27-31.9 E Length: 270.00000

North: 1704491.4238 East : 1686227.8195

North: 1704493.9739 East : 1686497.8075

Perimeter: 1146.88862 Area: 82,312 sq.ft. 1.889 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 08-18-24.1 W

Error North: 0.00000 East : -0.00000

Precision 1: 1,146,888,610.00000

Parcel name: Block 1, Lot 3

Line Course: N 00-32-28.1 W Length: 250.00000

North: 1704243.9850 East : 1686500.1686

Line Course: S 89-27-31.9 W Length: 270.00000

North: 1704493.9739 East : 1686497.8075

Line Course: S 00-32-28.1 E Length: 250.00000

North: 1704491.4238 East : 1686227.8195

Line Course: N 89-27-31.9 E Length: 270.00000

North: 1704241.4350 East : 1686230.1807

North: 1704243.9850 East : 1686500.1686

Perimeter: 1040.00000 Area: 67,500 sq.ft. 1.549 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 90-00-00.0 E

Error North: 0.00000 East : 0.00000

Precision 1: 1,040,000,000.00000

Parcel name: Block 1, Lot 4

Line Course: S 89-27-31.9 W Length: 270.00000	North: 1704243.9850 East : 1686500.1686
Line Course: S 00-32-28.1 E Length: 341.89279	North: 1704241.4350 East : 1686230.1807
Line Course: S 45-38-57.7 E Length: 70.57698	North: 1703899.5574 East : 1686233.4097
Line Course: N 89-14-32.6 E Length: 220.00193	North: 1703850.2208 East : 1686283.8775
Line Course: N 00-32-28.1 W Length: 390.87276	North: 1703853.1297 East : 1686503.8602
	North: 1704243.9851 East : 1686500.1686

Perimeter: 1293.34446 Area: 104,423 sq.ft. 2.397 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: N 05-18-01.0 W

Error North: 0.00006 East : -0.00001

Precision 1: 12,933,444.60000

Parcel name: Block 1, Lot 5

Line Course: S 89-27-31.9 W Length: 360.00000	North: 1704247.3851 East : 1686860.1526
Line Course: S 00-32-28.1 E Length: 390.87276	North: 1704243.9850 East : 1686500.1686
Line Course: N 89-14-32.6 E Length: 360.00257	North: 1703853.1297 East : 1686503.8602
Line Course: N 00-32-28.1 W Length: 389.51272	North: 1703857.8898 East : 1686863.8313
	North: 1704247.3852 East : 1686860.1526

Perimeter: 1500.38805 Area: 140,469 sq.ft. 3.224 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: N 00-12-38.9 W

Error North: 0.00010 East : -0.00000

Precision 1: 15,003,880.50000

Parcel name: Block 1, Lot 6

Line Course: S 00-32-28.1 E Length: 305.00000	North: 1704798.9602 East : 1686494.9269
Line Course: S 00-32-28.1 E Length: 250.00000	North: 1704493.9739 East : 1686497.8075
Line Course: N 89-27-31.9 E Length: 360.00000	North: 1704243.9850 East : 1686500.1686
Line Course: N 00-32-28.1 W Length: 515.00000	North: 1704247.3850 East : 1686860.1525
	North: 1704762.3621 East : 1686855.2886

Line Course: N 89-27-31.9 E Length: 250.00000 North: 1704764.7232 East : 1687105.2775
 Line Course: N 00-32-28.1 W Length: 310.42486 North: 1705075.1342 East : 1687102.3456
 Line Course: S 89-16-15.1 W Length: 590.05260 North: 1705067.6255 East : 1686512.3408
 Line Course: S 80-44-24.8 W Length: 20.18381 North: 1705064.3777 East : 1686492.4200
 Line Course: S 00-32-28.1 E Length: 265.42941 North: 1704798.9601 East : 1686494.9269

Perimeter: 2866.09067 Area: 374,118 sq.ft. 8.588 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: S 00-18-27.0 W
 Error North: -0.00015 East : -0.00000
 Precision 1: 28,660,906.80000

Parcel name: Block 1, Lot 7

Line Course: S 89-27-31.9 W Length: 325.00000 North: 1704768.6427 East : 1687520.2590
 Line Course: S 89-27-31.9 W Length: 90.00000 North: 1704765.5733 East : 1687195.2734
 Line Course: N 00-32-28.1 W Length: 310.42486 North: 1704764.7233 East : 1687105.2775
 Line Course: N 89-16-15.1 E Length: 415.00223 North: 1705075.1343 East : 1687102.3456
 Line Course: S 00-32-28.1 E Length: 311.78646 North: 1705080.4154 East : 1687517.3143
 Line Course: S 00-32-28.1 E Length: 311.78646 North: 1704768.6428 East : 1687520.2589

Perimeter: 1452.21355 Area: 129,108 sq.ft. 2.963 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: N 02-37-44.5 W
 Error North: 0.00011 East : -0.00001
 Precision 1: 14,522,135.50000

Parcel name: Block 1, Lot 8

Line Course: S 89-27-31.9 W Length: 336.01298 North: 1704772.5622 East : 1687935.2404
 Line Course: S 89-27-31.9 W Length: 78.98702 North: 1704769.3888 East : 1687599.2424
 Line Course: N 00-32-28.1 W Length: 311.78646 North: 1704768.6428 East : 1687520.2590
 Line Course: N 89-16-15.1 E Length: 415.00223 North: 1705080.4153 East : 1687517.3143
 Line Course: S 00-32-28.1 E Length: 313.14806 North: 1705085.6964 East : 1687932.2829
 Line Course: S 00-32-28.1 E Length: 313.14806 North: 1704772.5624 East : 1687935.2404

Perimeter: 1454.93676 Area: 129,673 sq.ft. 2.976 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: N 02-37-44.0 W
 Error North: 0.00011 East : -0.00001
 Precision 1: 14,549,367.50000

Parcel name: Block 1, Lot 9

Line Course: N 89-27-31.9 E Length: 70.00003	North: 1704772.5622 East : 1687935.2404
Line Course: N 89-27-31.9 E Length: 370.00000	North: 1704773.2234 East : 1688005.2374
Line Course: N 00-32-28.1 W Length: 264.59169	North: 1704776.7178 East : 1688375.2208
Line Course: N 45-38-06.5 W Length: 70.59458	North: 1705041.2977 East : 1688372.7219
Line Course: S 89-16-15.1 W Length: 390.00241	North: 1705090.6592 East : 1688322.2537
Line Course: S 00-32-28.1 E Length: 313.14806	North: 1705085.6962 East : 1687932.2829
	North: 1704772.5621 East : 1687935.2404

Perimeter: 1478.33677 Area: 136,852 sq.ft. 3.141 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: S 07-34-06.9 W
 Error North: -0.00011 East : -0.00001
 Precision 1: 14,783,367.70000

Parcel name: Block 1, Lot 10

Line Course: S 00-32-28.1 E Length: 300.00000	North: 1704776.7179 East : 1688375.2208
Line Course: S 89-27-31.9 W Length: 370.00000	North: 1704476.7312 East : 1688378.0542
Line Course: N 00-32-28.1 W Length: 300.00000	North: 1704473.2368 East : 1688008.0707
Line Course: N 89-27-31.9 E Length: 370.00000	North: 1704773.2234 East : 1688005.2373
	North: 1704776.7179 East : 1688375.2208

Perimeter: 1340.00000 Area: 110,999 sq.ft. 2.548 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 90-00-00.0 E
 Error North: 0.00000 East : 0.00000
 Precision 1: 1,340,000,000.00000

Parcel name: Block 1, Lot 11

Line Course: S 00-32-28.1 E Length: 300.00000	North: 1704476.7312 East : 1688378.0542
Line Course: S 89-27-31.9 W Length: 370.00000	North: 1704176.7446 East : 1688380.8876
Line Course: N 00-32-28.1 W Length: 300.00000	North: 1704173.2502 East : 1688010.9041
Line Course: N 89-27-31.9 E Length: 370.00000	North: 1704473.2368 East : 1688008.0707
	North: 1704476.7312 East : 1688378.0542

Perimeter: 1340.00000 Area: 111,000 sq.ft. 2.548 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 90-00-00.0 E

Error North: 0.00000 East : 0.00000
 Precision 1: 1,340,000,000.00000

Parcel name: Block 1, Lot 12

Line Course: N 89-27-31.9 E Length: 370.00000 North: 1704173.2501 East : 1688010.9041
 Line Course: S 00-32-28.1 E Length: 209.10969 North: 1704176.7446 East : 1688380.8876
 Curve Length: 141.03164 Radius: 90.00000 North: 1703967.6442 East : 1688382.8625
 Delta: 89-47-00.7 Tangent: 89.66063
 Chord: 127.03857 Course: S 44-21-02.3 W
 Course In: S 89-27-31.9 W Course Out: S 00-45-27.4 E
 RP North: 1703966.7942 East : 1688292.8665
 End North: 1703876.8021 East : 1688294.0565
 Line Course: S 89-14-32.6 W Length: 280.34201
 Line Course: N 00-32-28.1 W Length: 300.16814 North: 1703873.0953 East : 1688013.7390
 North: 1704173.2501 East : 1688010.9041
 Perimeter: 1300.65151 Area: 109,080 sq.ft. 2.504 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: S 07-18-17.5 W
 Error North: -0.00007 East : -0.00001
 Precision 1: 12,866,584.10000

Parcel name: Block 1, Lot 13

Line Course: S 89-27-31.9 W Length: 370.00000 North: 1704173.2501 East : 1688010.9041
 Line Course: S 00-32-28.1 E Length: 301.56596 North: 1704169.7557 East : 1687640.9206
 Line Course: N 89-14-32.6 E Length: 370.00264 North: 1703868.2031 East : 1687643.7687
 Line Course: N 00-32-28.1 W Length: 300.16814 North: 1703873.0955 East : 1688013.7390
 North: 1704173.2502 East : 1688010.9041
 Perimeter: 1341.73675 Area: 111,320 sq.ft. 2.555 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: N 00-58-40.1 W
 Error North: 0.00010 East : -0.00000
 Precision 1: 13,417,367.4000

Parcel name: Block 1, Lot 14

Line Course: N 00-32-28.1 W Length: 300.00000 North: 1704173.2501 East : 1688010.9041
 Line Course: S 89-27-31.9 W Length: 330.51201 North: 1704473.2367 East : 1688008.0707
 Curve Length: 90.16447 Radius: 75.00000 North: 1704470.1152 East : 1687677.5735
 Delta: 68-52-50.1 Tangent: 51.43108
 Chord: 84.83207 Course: S 27-12-01.5 W
 Course In: S 82-45-36.5 W Course Out: S 28-21-33.4 E
 RP North: 1704460.6635 East : 1687603.1714

End North: 1704394.6645 East : 1687638.7963
 Line Course: S 00-32-28.1 E Length: 224.91885

Line Course: N 89-27-31.9 E Length: 370.00000 North: 1704169.7557 East : 1687640.9206

North: 1704173.2501 East : 1688010.9041

Perimeter: 1315.59534 Area: 108,760 sq.ft. 2.496 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 72-07-26.1 E

Error North: -0.00000 East : 0.00001

Precision 1: 1,310,262,930.00000

Parcel name: Block 1, Lot 15

Line Course: N 89-27-31.9 E Length: 336.01298 North: 1704769.3887 East : 1687599.2425

Line Course: N 89-27-31.9 E Length: 70.00003 North: 1704772.5622 East : 1687935.2404

Line Course: S 00-32-28.1 E Length: 300.00000 North: 1704773.2233 East : 1688005.2374

Line Course: S 89-27-31.9 W Length: 330.51201 North: 1704473.2367 East : 1688008.0707

Curve Length: 109.28721 Radius: 75.00000 North: 1704470.1152 East : 1687677.5734

Delta: 83-29-21.4 Tangent: 66.92743

Chord: 99.87176 Course: N 48-59-04.2 W

Course In: S 82-45-36.5 W Course Out: N 00-43-44.9 W

RP North: 1704460.6634 East : 1687603.1714

End North: 1704535.6573 East : 1687602.2170

Line Course: N 00-43-44.9 W Length: 233.75031 North: 1704769.3887 East : 1687599.2424

Perimeter: 1379.56251 Area: 117,883 sq.ft. 2.706 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: S 81-00-03.4 W

Error North: -0.00001 East : -0.00006

Precision 1: 13,701,470.90000

Parcel name: Block 1, Lot 16

Line Course: S 89-27-31.9 W Length: 78.98702 North: 1704769.3887 East : 1687599.2425

Line Course: S 89-27-31.9 W Length: 325.00000 North: 1704768.6427 East : 1687520.2590

Line Course: S 00-32-28.1 E Length: 300.00000 North: 1704765.5733 East : 1687195.2734

Line Course: N 89-27-31.9 E Length: 330.51202 North: 1704465.5867 East : 1687198.1068

Curve Length: 108.79503 Radius: 75.00000 North: 1704468.7082 East : 1687528.6041

Delta: 83-06-47.8 Tangent: 66.48670

Chord: 99.50402 Course: N 47-42-51.2 E

Course In: S 83-50-32.7 E Course Out: N 00-43-44.9 W

RP North: 1704460.6634 East : 1687603.1714

End North: 1704535.6574 East : 1687602.2170

Line Course: N 00-43-44.9 W Length: 233.75031 North: 1704769.3887 East : 1687599.2424

Perimeter: 1377.04440 Area: 117,589 sq.ft. 2.699 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: N 84-45-01.2 W
 Error North: 0.00001 East: -0.00008
 Precision 1: 13,677,533.70000

Parcel name: Block 1, Lot 17

Line Course: N 00-32-28.1 W Length: 300.00000 North: 1704165.6000 East: 1687200.9402
 Line Course: N 89-27-31.9 E Length: 330.51202 North: 1704465.5866 East: 1687198.1068
 Curve Length: 90.16447 Radius: 75.00000 North: 1704468.7082 East: 1687528.6041
 Delta: 68-52-50.1 Tangent: 51.43108
 Chord: 84.83207 Course: S 28-16-57.8 E
 Course In: S 83-50-32.7 E Course Out: S 27-16-37.2 W
 RP North: 1704460.6634 East: 1687603.1714
 End North: 1704394.0033 East: 1687568.7995
 Line Course: S 00-32-28.1 E Length: 224.91886 North: 1704169.0945 East: 1687570.9237
 Line Course: S 89-27-31.9 W Length: 370.00001 North: 1704165.6000 East: 1687200.9402

Perimeter: 1315.59537 Area: 108,760 sq.ft. 2.496 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 77-27-50.7 E
 Error North: 0.00001 East: 0.00002
 Precision 1: 1,310,262,960.00000

Parcel name: Block 1, Lot 18

Line Course: S 00-32-28.1 E Length: 303.22824 North: 1704165.6000 East: 1687200.9402
 Line Course: N 89-14-32.6 E Length: 370.00264 North: 1703862.3853 East: 1687203.8040
 Line Course: N 00-32-28.1 W Length: 301.83042 North: 1703867.2776 East: 1687573.7743
 Line Course: S 89-27-31.9 W Length: 370.00001 North: 1704169.0946 East: 1687570.9237
 North: 1704165.6001 East: 1687200.9402

Perimeter: 1345.06130 Area: 111,935 sq.ft. 2.569 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: N 06-30-16.8 W
 Error North: 0.00010 East: -0.00001
 Precision 1: 13,450,613.10000

Parcel name: Block 2, Lot 1

Line Course: N 00-35-42.7 W Length: 254.99836 North: 1704841.8461 East: 1688810.0222
 Line Course: S 89-16-16.7 W Length: 315.15846 North: 1705096.8307 East: 1688807.3733
 North: 1705092.8226 East: 1688492.2403

Line Course: S 44-21-53.5 W Length: 70.82658

North: 1705042.1885 East : 1688442.7166

Line Course: S 00-32-28.1 E Length: 204.14724

North: 1704838.0504 East : 1688444.6447

Line Course: N 89-24-17.3 E Length: 365.39722

North: 1704841.8461 East : 1688810.0222

Perimeter: 1210.52787 Area: 91,739 sq.ft. 2.106 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 26-17-22.0 W

Error North: 0.00003 East : -0.00001

Precision 1: 1,210,527,860.00000

Parcel name: Block 2, Lot 2

Line Course: S 00-35-42.7 E Length: 303.34627

North: 1704841.8461 East : 1688810.0222

North: 1704538.5162 East : 1688813.1733

Curve Length: 22.54569 Radius: 2035.00000

Delta: 0-38-05.2 Tangent: 11.27273

Chord: 22.54511 Course: S 81-40-23.3 W

Course In: S 08-00-34.1 E Course Out: N 08-38-39.3 W

RP North: 1702523.3675 East : 1689096.7237

End North: 1704535.2512 East : 1688790.8659

Curve Length: 277.90203 Radius: 1965.00000

Delta: 8-06-11.2 Tangent: 139.18300

Chord: 277.67033 Course: S 85-24-26.3 W

Course In: N 08-38-39.3 W Course Out: S 00-32-28.1 E

RP North: 1706477.9300 East : 1688495.5285

End North: 1704513.0176 East : 1688514.0871

Line Course: S 89-27-31.9 W Length: 66.36954

North: 1704512.3908 East : 1688447.7205

Line Course: N 00-32-28.1 W Length: 325.67412

North: 1704838.0504 East : 1688444.6447

Line Course: N 89-24-17.3 E Length: 365.39722

North: 1704841.8461 East : 1688810.0222

Perimeter: 1361.23425 Area: 116,832 sq.ft. 2.682 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 51-07-28.6 E

Error North: 0.00002 East : 0.00003

Precision 1: 1,361,002,590.00000

Parcel name: Block 2, Lot 3

Line Course: S 00-35-42.7 E Length: 303.34627

North: 1704841.8461 East : 1688810.0222

North: 1704538.5162 East : 1688813.1733

Curve Length: 399.31579 Radius: 2035.00000

Delta: 11-14-34.1 Tangent: 200.30099

Chord: 398.67543 Course: N 87-36-42.9 E

Course In: S 08-00-34.1 E Course Out: N 03-14-00.0 E

RP North: 1702523.3675 East : 1689096.7237

End North: 1704555.1281 East : 1689211.5025

Line Course: S 86-46-00.0 E Length: 82.01690

North: 1704550.5022 East : 1689293.3888

Curve Length: 79.62280 Radius: 435.00000

Delta: 10-29-14.9 Tangent: 39.92294
 Chord: 79.51172 Course: N 13-05-31.4 E
 Course In: S 82-09-06.1 E Course Out: N 71-39-51.2 W
 RP North: 1704491.1026 East : 1689724.3142
 End North: 1704627.9472 East : 1689311.3995
 Line Course: N 18-20-08.6 E Length: 231.62405

North: 1704847.8116 East : 1689384.2648

Line Course: S 89-24-17.3 W Length: 574.27368

North: 1704841.8461 East : 1688810.0221

Perimeter: 1670.19949 Area: 152,801 sq.ft. 3.507 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 64-16-45.6 W
 Error North: -0.00002 East : -0.00004
 Precision 1: 1,669,448,050.00000

Parcel name: Block 2, Lot 4

Line Course: N 89-24-17.3 E Length: 574.27368
 North: 1704841.8461 East : 1688810.0222

North: 1704847.8116 East : 1689384.2649

Line Course: N 18-20-08.6 E Length: 152.05661

North: 1704992.1482 East : 1689432.0995

Curve Length: 69.22080 Radius: 365.00000
 Delta: 10-51-57.3 Tangent: 34.71450
 Chord: 69.11709 Course: N 12-54-10.2 E
 Course In: N 71-39-51.1 W Course Out: S 82-31-48.4 E
 RP North: 1705106.9720 East : 1689085.6309
 End North: 1705059.5201 East : 1689447.5332

Line Course: N 43-47-22.5 W Length: 67.77487

North: 1705108.4459 East : 1689400.6322

Line Course: S 88-52-42.2 W Length: 593.37265

North: 1705096.8309 East : 1688807.3733

Line Course: S 00-35-42.7 E Length: 254.99836

North: 1704841.8462 East : 1688810.0222

Perimeter: 1711.69695 Area: 157,521 sq.ft. 3.616 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0002 Course: N 09-45-32.1 W
 Error North: 0.00015 East : -0.00003
 Precision 1: 8,557,966.30000

Parcel name: Block 3, Lot 1

Line Course: S 18-20-08.6 W Length: 109.97277
 North: 1704710.3159 East : 1689412.4414

North: 1704605.9265 East : 1689377.8457

Curve Length: 468.40392 Radius: 365.00000
 Delta: 73-31-39.3 Tangent: 272.69537
 Chord: 436.91781 Course: S 18-25-40.6 E
 Course In: S 71-39-51.0 E Course Out: S 34-48-29.7 W
 RP North: 1704491.1026 East : 1689724.3143
 End North: 1704191.4130 East : 1689515.9606

Line Course: S 55-11-30.3 E Length: 146.00808

North: 1704108.0669 East : 1689635.8430

Line Course: N 34-48-29.7 E Length: 36.14609

North: 1704137.7453 East : 1689656.4763

Curve Length: 163.74527 Radius: 265.00000
 Delta: 35-24-12.4 Tangent: 84.58106
 Chord: 161.15269 Course: N 17-06-23.5 E
 Course In: N 55-11-30.3 W Course Out: N 89-24-17.3 E
 RP North: 1704289.0157 East : 1689438.8936
 End North: 1704291.7685 East : 1689703.8793
 Line Course: N 00-35-42.7 W Length: 74.04410
 North: 1704365.8086 East : 1689703.1101

Curve Length: 135.22371 Radius: 75.00000
 Delta: 103-18-11.9 Tangent: 94.80188
 Chord: 117.63796 Course: N 11-07-31.5 W
 Course In: N 27-13-22.6 E Course Out: N 49-28-25.5 W
 RP North: 1704432.5011 East : 1689737.4192
 End North: 1704481.2358 East : 1689680.4110
 Line Course: N 49-28-25.5 W Length: 352.54134
 North: 1704710.3159 East : 1689412.4414

Perimeter: 1486.08534 Area: 127,180 sq.ft. 2.919 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 88-29-03.5 W
 Error North: -0.00000 East : -0.00002
 Precision 1: 1,434,420,840.00000

Parcel name: Block 3, Lot 2

Line Course: N 49-28-25.5 W Length: 352.54134 North: 1704481.2359 East : 1689680.4111
 Line Course: N 18-20-08.6 E Length: 260.38490 North: 1704710.3160 East : 1689412.4415
 Line Course: N 89-24-17.3 E Length: 270.00000 North: 1704957.4810 East : 1689494.3545
 Line Course: S 49-28-25.5 E Length: 292.32188 North: 1704960.2857 East : 1689764.3399
 Line Course: S 36-24-17.3 W Length: 344.75194 North: 1704770.3360 East : 1689986.5362
 North: 1704492.8645 East : 1689781.9306

Curve Length: 112.41477 Radius: 75.00000
 Delta: 85-52-42.8 Tangent: 69.79018
 Chord: 102.18344 Course: S 83-27-55.9 W
 Course In: S 36-24-17.3 W Course Out: N 49-28-25.5 W
 RP North: 1704432.5012 East : 1689737.4191
 End North: 1704481.2359 East : 1689680.4110

Perimeter: 1632.41484 Area: 179,726 sq.ft. 4.125 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: N 56-55-40.5 W
 Error North: 0.00005 East : -0.00007
 Precision 1: 16,221,835.00000

Parcel name: Block 3, Lot 3

Line Course: N 49-28-25.5 W Length: 198.88426 North: 1704641.1018 East : 1690137.7099
 Line Course: S 36-24-17.3 W Length: 344.75194 North: 1704770.3361 East : 1689986.5363
 Curve Length: 123.20468 Radius: 75.00000 North: 1704492.8645 East : 1689781.9307

Delta: 94-07-17.2 Tangent: 80.59873
 Chord: 109.81140 Course: S 06-32-04.1 E
 Course In: S 36-24-17.3 W Course Out: S 49-28-25.5 E
 RP North: 1704432.5012 East : 1689737.4192
 End North: 1704383.7665 East : 1689794.4273
 Line Course: S 49-28-25.5 E Length: 458.73188

North: 1704085.6842 East : 1690143.1133

Line Course: N 00-33-26.6 W Length: 555.44385

North: 1704641.1018 East : 1690137.7098

Perimeter: 1681.01660 Area: 148,740 sq.ft. 3.414 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 37-20-06.9 W
 Error North: -0.00003 East : -0.00002
 Precision 1: 1,667,623,330.00000

Parcel name: Block 3, Lot 4

Line Course: S 00-33-26.6 E Length: 114.54840
 North: 1704085.6842 East : 1690143.1133

North: 1703971.1412 East : 1690144.2277

Line Course: S 74-52-55.9 W Length: 319.76777

North: 1703887.7444 East : 1689835.5265

Curve Length: 199.33535 Radius: 285.00000
 Delta: 40-04-26.2 Tangent: 103.93987
 Chord: 195.29712 Course: N 35-09-17.2 W
 Course In: S 74-52-55.9 W Course Out: N 34-48-29.7 E
 RP North: 1703813.4151 East : 1689560.3899
 End North: 1704047.4192 East : 1689723.0770

Line Course: N 55-11-30.3 W Length: 36.24454

North: 1704068.1087 East : 1689693.3178

Line Course: N 34-48-29.7 E Length: 36.14609

North: 1704097.7871 East : 1689713.9511

Curve Length: 206.99874 Radius: 335.00000
 Delta: 35-24-12.4 Tangent: 106.92323
 Chord: 203.72132 Course: N 17-06-23.5 E
 Course In: N 55-11-30.3 W Course Out: N 89-24-17.3 E
 RP North: 1704289.0158 East : 1689438.8936
 End North: 1704292.4957 East : 1689773.8756

Line Course: N 00-35-42.7 W Length: 74.04410

North: 1704366.5358 East : 1689773.1064

Curve Length: 27.56802 Radius: 75.00000
 Delta: 21-03-37.5 Tangent: 13.94134
 Chord: 27.41310 Course: N 51-03-23.2 E
 Course In: N 28-24-48.0 W Course Out: S 49-28-25.5 E
 RP North: 1704432.5011 East : 1689737.4192
 End North: 1704383.7664 East : 1689794.4274

Line Course: S 49-28-25.5 E Length: 458.73188

North: 1704085.6841 East : 1690143.1133

Perimeter: 1473.38492 Area: 122,287 sq.ft. 2.807 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: S 15-57-34.9 W
 Error North: -0.00010 East : -0.00003
 Precision 1: 14,659,143.20000

Parcel name: Block 3, Lot 5

Line Course: N 00-33-26.6 W Length: 350.00143 North: 1703621.1564 East : 1690147.6326
 Line Course: S 74-52-55.9 W Length: 319.76777 North: 1703971.1412 East : 1690144.2277
 Curve Length: 72.23820 Radius: 285.00000 North: 1703887.7444 East : 1689835.5266
 Delta: 14-31-21.4 Tangent: 36.31371
 Chord: 72.04494 Course: S 07-51-23.4 E
 Course In: S 74-52-55.9 W Course Out: N 89-24-17.3 E
 RP North: 1703813.4151 East : 1689560.3900
 End North: 1703816.3757 East : 1689845.3746
 Line Course: S 00-35-42.7 E Length: 198.15055 North: 1703618.2358 East : 1689847.4330
 Line Course: N 89-26-33.4 E Length: 300.21384 North: 1703621.1563 East : 1690147.6326

Perimeter: 1240.37176 Area: 93,620 sq.ft. 2.149 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: S 25-51-59.7 E
 Error North: -0.00005 East : 0.00002
 Precision 1: 12,401,785.30000

Parcel name: Block 3, Lot 6

Line Course: S 00-35-42.7 E Length: 300.00007 North: 1703618.2358 East : 1689847.4329
 Line Course: N 89-26-33.4 E Length: 300.01590 North: 1703318.2520 East : 1689850.5493
 Line Course: N 00-33-26.6 W Length: 300.00000 North: 1703321.1705 East : 1690150.5510
 Line Course: S 89-26-33.4 W Length: 300.21384 North: 1703621.1563 East : 1690147.6326
 North: 1703618.2358 East : 1689847.4329

Perimeter: 1200.22980 Area: 90,034 sq.ft. 2.066 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 64-09-56.1 E
 Error North: -0.00000 East : 0.00001
 Precision 1: 1,200,229,810.00000

Parcel name: Block 3, Lot 7

Line Course: S 00-33-26.6 E Length: 300.00000 North: 1703321.1706 East : 1690150.5510
 Line Course: S 89-26-33.4 W Length: 327.70233 North: 1703021.1848 East : 1690153.4695
 Line Course: N 35-53-11.8 W Length: 12.22283 North: 1703017.9968 East : 1689825.7826
 Curve Length: 107.77424 Radius: 160.00000 North: 1703027.8995 East : 1689818.6178
 Delta: 38-35-37.7 Tangent: 56.02149
 Chord: 105.74828 Course: N 18-42-06.1 E
 Course In: N 52-00-05.0 W Course Out: N 89-24-17.3 E
 RP North: 1703126.4023 East : 1689692.5337
 End North: 1703128.0644 East : 1689852.5251
 Line Course: N 00-35-42.7 W Length: 190.19788

Line Course: N 89-26-33.4 E Length: 300.01590
 North: 1703318.2520 East : 1689850.5493
 North: 1703321.1706 East : 1690150.5510
 Perimeter: 1237.91318 Area: 91,395 sq.ft. 2.098 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 73-43-20.8 W
 Error North: 0.00001 East : -0.00003
 Precision 1: 1,235,887,220.00000

Parcel name: Block 3, Lot 8

Line Course: S 89-26-33.4 W Length: 394.96168
 North: 1702546.2071 East : 1690158.0904
 North: 1702542.3649 East : 1689763.1474
 Line Course: N 00-33-26.6 W Length: 416.29616
 North: 1702958.6414 East : 1689759.0976
 Line Course: N 35-53-11.8 W Length: 21.22170
 North: 1702975.8347 East : 1689746.6578
 Curve Length: 90.00190 Radius: 160.00000
 Delta: 32-13-46.4 Tangent: 46.22634
 Chord: 88.82000 Course: N 54-06-48.2 E
 Course In: N 19-46-18.6 W Course Out: S 52-00-05.0 E
 RP North: 1703126.4023 East : 1689692.5338
 End North: 1703027.8995 East : 1689818.6179
 Line Course: S 35-53-11.8 E Length: 12.22283
 North: 1703017.9968 East : 1689825.7827
 Line Course: N 89-26-33.4 E Length: 327.70233
 North: 1703021.1848 East : 1690153.4695
 Line Course: S 00-33-26.6 E Length: 475.00010
 North: 1702546.2072 East : 1690158.0904

Perimeter: 1737.40671 Area: 186,744 sq.ft. 4.287 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 75-19-55.7 W
 Error North: 0.00000 East : -0.00001
 Precision 1: 1,736,224,800.00000

Parcel name: Block 3, Lot 9

Line Course: N 89-26-33.4 E Length: 300.00000
 North: 1702539.4464 East : 1689463.1616
 North: 1702542.3649 East : 1689763.1474
 Line Course: N 00-33-26.6 W Length: 416.29616
 North: 1702958.6413 East : 1689759.0976
 Line Course: N 35-53-11.8 W Length: 21.22170
 North: 1702975.8347 East : 1689746.6578
 Curve Length: 53.55128 Radius: 160.00000
 Delta: 19-10-35.9 Tangent: 27.02842
 Chord: 53.30166 Course: S 79-48-59.3 W
 Course In: N 19-46-18.6 W Course Out: S 00-35-42.7 E
 RP North: 1703126.4022 East : 1689692.5338
 End North: 1702966.4109 East : 1689694.1958
 Line Course: S 89-24-17.3 W Length: 214.64391
 North: 1702964.1812 East : 1689479.5635
 Curve Length: 20.58891 Radius: 160.00000
 Delta: 7-22-22.3 Tangent: 10.30869

Chord: 20.57472 Course: N 86-54-31.6 W
 Course In: N 00-35-42.7 W Course Out: S 06-46-39.6 W
 RP North: 1703124.1725 East: 1689477.9014
 End North: 1702965.2907 East: 1689459.0187
 Line Course: S 00-33-26.6 E Length: 425.86442

North: 1702539.4464 East: 1689463.1616

Perimeter: 1452.16638 Area: 127,557 sq.ft. 2.928 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 04-33-34.4 E
 Error North: -0.00003 East: 0.00000
 Precision 1: 1,451,902,570.00000

Parcel name: Block 3, Lot 10

Curve Length: 134.63408 Radius: 160.00000 North: 1702965.2907 East: 1689459.0187
 Delta: 48-12-44.2 Tangent: 71.59201
 Chord: 130.69701 Course: N 59-06-58.3 W
 Course In: N 06-46-39.6 E Course Out: S 54-59-23.8 W
 RP North: 1703124.1725 East: 1689477.9014
 End North: 1703032.3773 East: 1689346.8532
 Line Course: S 54-59-23.8 W Length: 100.00000

North: 1702975.0053 East: 1689264.9481

Line Course: S 89-24-17.3 W Length: 435.50885

North: 1702970.4812 East: 1688829.4627

Line Course: S 00-35-42.7 E Length: 437.17922

North: 1702533.3256 East: 1688834.0041

Line Course: N 89-26-33.4 E Length: 629.18728

North: 1702539.4464 East: 1689463.1616

Line Course: N 00-33-26.6 W Length: 425.86442

North: 1702965.2907 East: 1689459.0188

Perimeter: 2162.37382 Area: 278,861 sq.ft. 6.401 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: N 87-53-01.6 E
 Error North: 0.00000 East: 0.00006
 Precision 1: 21,584,367.80000

Parcel name: Block 3, Lot 11

Line Course: N 89-24-17.3 E Length: 490.00020 North: 1703270.4650 East: 1688826.3464

North: 1703275.5551 East: 1689316.3201

Line Course: S 00-35-42.7 E Length: 153.05291

North: 1703122.5104 East: 1689317.9100

Curve Length: 96.10442 Radius: 160.00000
 Delta: 34-24-53.5 Tangent: 49.55102
 Chord: 94.66624 Course: S 17-48-09.5 E
 Course In: N 89-24-17.3 E Course Out: S 54-59-23.8 W
 RP North: 1703124.1725 East: 1689477.9014
 End North: 1703032.3773 East: 1689346.8532

Line Course: S 54-59-23.8 W Length: 100.00000

North: 1702975.0052 East: 1689264.9481

Line Course: S 89-24-17.3 W Length: 435.50885

North: 1702970.4812 East: 1688829.4627

Line Course: N 00-35-42.7 W Length: 300.00000

North: 1703270.4650 East : 1688826.3463

Perimeter: 1574.66640 Area: 147,063 sq.ft. 3.376 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 54-56-22.2 W

Error North: 0.00002 East : -0.00002

Precision 1: 1,573,228,200.00000

Parcel name: Block 3, Lot 12

Line Course: N 89-24-17.3 E Length: 490.00020	North: 1703270.4650 East : 1688826.3464
Line Course: N 00-35-42.7 W Length: 300.00000	North: 1703275.5551 East : 1689316.3201
Line Course: S 89-24-17.3 W Length: 490.00016	North: 1703575.5389 East : 1689313.2037
Line Course: S 00-35-42.7 E Length: 300.00000	North: 1703570.4488 East : 1688823.2300
	North: 1703270.4650 East : 1688826.3464

Perimeter: 1580.00036 Area: 147,000 sq.ft. 3.374 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 89-24-16.9 E

Error North: 0.00000 East : 0.00004

Precision 1: 1,580,000,360.00000

Parcel name: Block 3, Lot 13

Line Course: N 00-35-42.7 W Length: 56.67566	North: 1703813.7600 East : 1688820.7024
Line Course: N 89-24-17.3 E Length: 490.00013	North: 1703870.4326 East : 1688820.1136
Line Course: S 00-35-42.7 E Length: 300.00000	North: 1703875.5227 East : 1689310.0873
Line Course: S 89-24-17.3 W Length: 490.00016	North: 1703575.5389 East : 1689313.2037
Line Course: N 00-35-42.7 W Length: 243.32434	North: 1703570.4488 East : 1688823.2300
	North: 1703813.7600 East : 1688820.7024

Perimeter: 1580.00029 Area: 147,000 sq.ft. 3.374 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 89-24-18.1 W

Error North: -0.00000 East : -0.00003

Precision 1: 1,580,000,290.00000

Parcel name: Block 3, Lot 14

Line Course: N 89-24-17.3 E Length: 490.00013	North: 1703870.4326 East : 1688820.1136
Line Course: N 00-35-42.7 W Length: 130.67750	North: 1703875.5227 East : 1689310.0873
Curve Length: 181.30668 Radius: 285.00000	North: 1704006.1932 East : 1689308.7299
Delta: 36-26-58.2 Tangent: 93.83967	
Chord: 178.26479 Course: N 17-37-46.4 E	

Course In: N 89-24-17.3 E Course Out: N 54-08-44.5 W
 RP North: 1704009.1537 East : 1689593.7145
 End North: 1704176.0857 East : 1689362.7194
 Line Course: S 89-24-17.3 W Length: 545.75156 North: 1704170.4164 East : 1688816.9973
 Line Course: S 00-35-42.7 E Length: 13.74081 North: 1704156.6764 East : 1688817.1400
 Line Course: S 00-35-42.7 E Length: 286.25919 North: 1703870.4326 East : 1688820.1137
 Perimeter: 1647.73587 Area: 150,012 sq.ft. 3.443 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 87-32-52.8 E
 Error North: 0.00000 East : 0.00004
 Precision 1: 1,644,693,980.00000

Parcel name: Block 3, Lot 15

Line Course: N 00-35-42.7 W Length: 297.50810 North: 1704170.4164 East : 1688816.9973
 North: 1704467.9085 East : 1688813.9068
 Curve Length: 394.69229 Radius: 1965.00000
 Delta: 11-30-30.6 Tangent: 198.01220
 Chord: 394.02887 Course: N 87-28-44.7 E
 Course In: S 08-16-30.6 E Course Out: N 03-14-00.0 E
 RP North: 1702523.3676 East : 1689096.7239
 End North: 1704485.2395 East : 1689207.5543
 Line Course: S 86-46-00.0 E Length: 82.01690 North: 1704480.6136 East : 1689289.4407
 Curve Length: 294.55664 Radius: 435.00000
 Delta: 38-47-50.5 Tangent: 153.17639
 Chord: 288.96123 Course: S 20-46-49.3 E
 Course In: N 88-37-06.0 E Course Out: S 49-49-15.5 W
 RP North: 1704491.1024 East : 1689724.3142
 End North: 1704210.4500 East : 1689391.9602
 Curve Length: 45.16853 Radius: 285.00000
 Delta: 9-04-50.1 Tangent: 22.63168
 Chord: 45.12132 Course: S 40-23-40.6 W
 Course In: S 45-03-54.4 E Course Out: N 54-08-44.5 W
 RP North: 1704009.1537 East : 1689593.7145
 End North: 1704176.0857 East : 1689362.7194
 Line Course: S 89-24-17.3 W Length: 545.75156 North: 1704170.4164 East : 1688816.9973

Perimeter: 1659.69375 Area: 159,176 sq.ft. 3.654 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 69-45-00.1 E
 Error North: -0.00001 East : 0.00003
 Precision 1: 1,653,387,980.00000

Parcel name: Block 3, Lot 16

Line Course: N 00-32-28.1 W Length: 289.53287 North: 1704152.8740 East : 1688451.1162
 North: 1704442.3939 East : 1688448.3817
 Line Course: N 89-27-31.9 E Length: 66.36873 North: 1704443.0207 East : 1688514.7474

Curve Length: 287.80283 Radius: 2035.00000
 Delta: 8-06-11.3 Tangent: 144.14158
 Chord: 287.56270 Course: N 85-24-26.3 E
 Course In: N 00-32-28.0 W Course Out: S 08-38-39.3 E
 RP North: 1706477.9300 East : 1688495.5288
 End North: 1704466.0464 East : 1688801.3868
 Curve Length: 12.65798 Radius: 1965.00000
 Delta: 0-22-08.7 Tangent: 6.32890
 Chord: 12.65774 Course: N 81-32-25.0 E
 Course In: S 08-38-39.3 E Course Out: N 08-16-30.6 W
 RP North: 1702523.3676 East : 1689096.7242
 End North: 1704467.9086 East : 1688813.9068
 Line Course: S 00-35-42.7 E Length: 297.50810

North: 1704170.4165 East : 1688816.9973

Line Course: S 00-35-42.7 E Length: 13.74081

North: 1704156.6764 East : 1688817.1400

Line Course: S 89-24-17.3 W Length: 366.04361

North: 1704152.8740 East : 1688451.1162

Perimeter: 1333.65437 Area: 108,083 sq.ft. 2.481 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 32-34-16.9 E
 Error North: 0.00003 East : 0.00002
 Precision 1: 1,333,414,560.00000

Parcel name: Block 3, Lot 17

Line Course: S 00-35-42.7 E Length: 56.67566

North: 1703870.4326 East : 1688820.1136

Line Course: S 89-14-32.6 W Length: 366.36957

North: 1703813.7600 East : 1688820.7024

Line Course: N 00-32-28.1 W Length: 343.97350

North: 1703808.9157 East : 1688454.3648

Line Course: N 89-24-17.3 E Length: 366.04361

North: 1704152.8739 East : 1688451.1162

Line Course: S 00-35-42.7 E Length: 286.25919

North: 1704156.6763 East : 1688817.1400

North: 1703870.4326 East : 1688820.1137

Perimeter: 1419.32153 Area: 125,774 sq.ft. 2.887 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0001 Course: S 33-05-59.5 E
 Error North: -0.00005 East : 0.00003
 Precision 1: 14,193,215.30000

Parcel name: Block 4, Lot 1

Line Course: N 00-35-42.7 W Length: 158.34850

North: 1703657.3086 East : 1689777.0232

North: 1703815.6485 East : 1689775.3783

Curve Length: 204.87128 Radius: 215.00000
 Delta: 54-35-47.6 Tangent: 110.96160
 Chord: 197.20783 Course: N 27-53-36.5 W
 Course In: S 89-24-17.3 W Course Out: N 34-48-29.7 E
 RP North: 1703813.4151 East : 1689560.3899
 End North: 1703989.9446 East : 1689683.1188
 Line Course: N 55-11-30.3 W Length: 252.25262

North: 1704133.9384 East : 1689476.0025

Curve Length: 43.90264 Radius: 435.00000
 Delta: 5-46-57.4 Tangent: 21.96995
 Chord: 43.88396 Course: N 52-18-01.6 W
 Course In: N 34-48-29.7 E Course Out: S 40-35-27.1 W
 RP North: 1704491.1025 East : 1689724.3143
 End North: 1704160.7743 East : 1689441.2802

Curve Length: 170.51867 Radius: 215.00000
 Delta: 45-26-30.7 Tangent: 90.02873
 Chord: 166.08447 Course: S 22-07-32.6 W
 Course In: S 45-09-12.0 E Course Out: S 89-24-17.3 W
 RP North: 1704009.1538 East : 1689593.7145
 End North: 1704006.9204 East : 1689378.7261

Line Course: S 00-35-42.7 E Length: 353.73041

North: 1703653.2091 East : 1689382.4007

Line Course: N 89-24-17.3 E Length: 394.64391

North: 1703657.3086 East : 1689777.0233

Perimeter: 1578.26795 Area: 155,487 sq.ft. 3.569 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 88-59-54.4 E
 Error North: 0.00000 East : 0.00004
 Precision 1: 1,566,151,700.00000

Parcel name: Block 4, Lot 2

Line Course: S 00-35-42.7 E Length: 300.00000 North: 1703653.2090 East : 1689382.4006
 Line Course: N 89-24-17.3 E Length: 394.64391 North: 1703353.2252 East : 1689385.5170
 Line Course: N 00-35-42.7 W Length: 300.00000 North: 1703357.3247 East : 1689780.1396
 Line Course: S 89-24-17.3 W Length: 394.64391 North: 1703657.3086 East : 1689777.0232
 Line Course: S 89-24-17.3 W Length: 394.64391 North: 1703653.2090 East : 1689382.4006

Perimeter: 1389.28782 Area: 118,393 sq.ft. 2.717 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: S 90-00-00.0 E
 Error North: 0.00000 East : 0.00000
 Precision 1: 1,389,287,820.00000

Parcel name: Block 4, Lot 3

Line Course: S 00-35-42.7 E Length: 230.00000 North: 1703357.3248 East : 1689780.1396
 Line Course: S 00-35-42.7 E Length: 230.00000 North: 1703127.3372 East : 1689782.5289

Curve Length: 141.37167 Radius: 90.00000
 Delta: 90-00-00.0 Tangent: 90.00000
 Chord: 127.27922 Course: S 44-24-17.3 W
 Course In: S 89-24-17.3 W Course Out: S 00-35-42.7 E
 RP North: 1703126.4023 East : 1689692.5337
 End North: 1703036.4071 East : 1689693.4686

Line Course: S 89-24-17.3 W Length: 214.64391

Curve Length: 141.37167 Radius: 90.00000
 Delta: 90-00-00.0 Tangent: 90.00000

Line Course: S 89-24-17.3 W Length: 214.64391 North: 1703034.1774 East : 1689478.8363

Chord: 127.27922 Course: N 45-35-42.7 W
Course In: N 00-35-42.7 W Course Out: S 89-24-17.3 W
RP North: 1703124.1726 East: 1689477.9014
End North: 1703123.2376 East: 1689387.9062
Line Course: N 00-35-42.7 W Length: 230.00000

North: 1703353.2252 East: 1689385.5170

Line Course: N 89-24-17.3 E Length: 394.64391

North: 1703357.3248 East: 1689780.1396

Perimeter: 1352.03116 Area: 122,809 sq.ft. 2.819 acres

Mapcheck Closure - (Uses listed courses and Chords)

Error Closure: 0.0000 Course: N 89-24-57.0 E

Error North: 0.00000 East: 0.00000

Precision 1: 1,323,846,260.00000

Greenwich Business Center
Preliminary Detention Requirements for Facilities Near K-96

West Culvert - 2-6x3 RCB

Surveyed FL Elev = 178.7

Wshed Area = 19.84 22.4 17.28 24.32 12.8 55.68 62.72

Facility Outflow (calc)	15.1	16.3	13.6			160	209
	A1	A2	B	C	D1	D2	E
Peak inflow =	151.21	142.52	125.7	152.95	91.2	652	496
Wshed Outflow =	21	25	19	26	12	378	399
Facility Outflow =	21	25	19	172	288	164	232
Runoff Volume =	8.95	10.08	7.8	10.9	5.77	25.1	28.2
O/I	0.14	0.17	0.15	0.17	0.14	0.58	0.80
SV/ROV	0.48	0.44	0.47	0.43	0.47	0.43	0.42
Estimated Det. Vol =	4.3	4.4	3.7	4.7	2.7	10.8	11.8
Detention Facility							
Side Slope	5	5	5			5	5
Bottom Area	1.3	1.3	1.5			5.1	4
Top Area at D=5 ft	1.90	1.90	2.14			6.24	5.02
Gross Volume, ac ft	9.33	9.33	10.53			31.01	24.89
Flowline Elev.	198	197	192			184	178
Max WSEL	201.86	201.28	195.4			188.65	182.23
Storage Depth	3.86	4.28	3.4			4.65	4.23

Gross Depth = 5

STORAGE

6.72
928

9%

OP 215 TOTAL
TOTAL 85.09 ac-ft

Detention Facility Expanded Stage/Area

Depth	Bottom Area	A1	A2	B	C	D1	D2	E	
		1.3	1.3	1.5	0	0	5.1	4	
0	1.30	1.30	1.50				5.10	4.00	184
0.5	1.36	1.36	1.56				5.21	4.10	184.5
1	1.41	1.41	1.62				5.32	4.19	185
1.5	1.47	1.47	1.68				5.43	4.29	185.5
2	1.53	1.53	1.74				5.54	4.39	186
2.5	1.59	1.59	1.81				5.66	4.49	186.5
3							5.77	4.60	187
3.5							5.89	4.70	187.5
4							6.00	4.80	188
4.5							6.12	4.91	188.5
5							6.24	5.02	189
5.5							6.36	5.12	189.5
6							6.48	5.23	190
6.5							6.60	5.34	
7							6.73	5.45	

A1 10.96 / 9.23
A2 10.96 / 10.42
B 12.38 / 8.04
GBC 36.74 / 43.16
BD 29.25 / 29.17

0.031	19.84	19.84	22.4	17.28	24.32	12.8	55.68	62.72
0.035	22.4							
0.027	17.28							
0.038	24.32							
0.02	12.8							
0.087	55.68							
0.098	62.72							

Existing Contours - PreDevelopment

Depth	Area, ac	Elevation
0	0	0.0000
383	1	0.0088
1722	2	0.0395
9239	3	0.2121
39406.44	4	0.9046
131359	5	3.0156

