DEPARTMENT OF TRANSPORTATION & PUBLIC WORKS

MILWAUKEE COUNTY LAND INFORMATION OFFICE

2711 West Wells Street, Rm 426, Milwaukee, WI 53208 (414) 278-2176

March 19, 2010

Mr. Michael Neary
Sr. VP Administration
Pictometry International Corp.
100 Town Centre Drive, Suite A
Rochester, NY 14623

Dear Mr. Neary,

Milwaukee County, Wisconsin requests to renew and extend the terms and conditions of our License Agreement with Pictometry International Corp., dated January 16, 2008, for an additional 6 year period starting with the first flight in spring of 2010. Subsequent flights for the remainder of the 6 year period are contingent on the appropriation of funds and as included in the new Schedule A attached.

This renewal (check appropriate condition):

___ includes an exact duplication of our original Schedule A and Sector Map, which are attached and initialed.
_X_ includes a new Schedule A,B,C and Sector Map, which are attached and initialed.

All other terms and conditions remain the same.

Sincerely,
MILWAUKEE COUNTY, WI

By: Greg High *(Authorized Customer Signature)* 3/19/10 *(Date)*

GREG HIGH *(Customer Printed Name)*

DIR. AERIES DIV., DTPW *(Customer Title)*

2711 W. WELLS ST. MILWAUKEE, WI 53208 *(Customer Address)*

414-278-4943 *(Customer Phone)* ghigh@milwcnty.com *(Customer Email)*

PICTOMETRY
By: Michael Neary Date: 3/25/10
Michael Neary
Senior Vice President, Administration

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SIX YEAR AGREEMENT - ACCUPLUS SCHEDULE "A" – THREE FLIGHTS

Six Year Agreement with *Long Term Incentive ("LTI") applied

1. The following products shall be delivered to Milwaukee County, Wisconsin ("Licensee") by Pictometry International Corp.:

   A. Licensed Images procured with a 16 megapixel camera (as listed below and also portrayed on the attached Schedule D – Sectorized Map):

      1) **PREMIER Four Way ACCUPLUS Neighborhood Images (N5)** covering 269 sectors of the Licensee as indicated on the Schedule D. Premier Neighborhood Images are nominal 6" GSD with submeter accuracy.
      Each sector will have approximately:
         a. 36 Ortho-rectified orthos, 4 six inch mosaic tiles available in a TIFF, GeoTIFF or JPG format.
         b. 52 Oblique images from four perpendicular directions
         (note: Nominal image counts above are based on flat terrain captures and will increase in mountainous terrain captures)

      PREMIER Neighborhood Images will be taken when there is less than 30% leaf cover

      PREMIER NEIGHBORHOOD **ACCUPLUS** Image Price:

PREMIER NEIGHBORHOOD Image Price	$ 245.65 per sector per year
Less first capture 10% LTI*	$ 24.565 **$ 221.085 @ 269 Sectors = $59,471.86 per year – 1st Image Capture**
PREMIER NEIGHBORHOOD Image Price	$ 263.15 per sector per year
Less first capture 5% LTI*	$ 13.16 **$ 249.99 @ 269 Sectors = $67,247.31 per year – 2nd Image Capture**
PREMIER NEIGHBORHOOD Image Price	$ 263.00 per sector per year
	$ 263.00 @ 269 Sectors = $70,747 per year – 3rd Image Capture

   B. Ancillary Products:

      1) Oblique images are to be delivered with an image size of approximately 3-5 MB.
      2) The mosaics will be delivered in a tiling scheme agreed upon by Milwaukee and Pictometry.
      3) FGDC compliant metadata will also be provided at no cost.
      4) One project-wide seamless 6" mosaic in MrSID or ECW format covering the sectors in Schedule D.

   C. US Census Bureau TIGER line files of County or a base map supplied by Licensee.

   D. DEMS (Digital Elevation Models): Pictometry will fly LiDAR with 1.0 meter spacing suitable for 2 foot contours. Both the LiDAR data and ancillary products are available for purchase. This contract may be amended up until March 1st, 2010 to allow for the LiDAR to be taken at .7 meter spacing suitable for 1 foot contours for an additional charge.

2. Documentation: Pictometry International Corp. shall furnish 1 digital copy of the Licensed Documentation for the Licensed Software.

3. Training included in License Fee: Pictometry International Corp. shall conduct two (2) End User orientation sessions of up to 25 people for employees of the Licensee or Authorized Subdivisions thereof at the Licensee's site. In addition there will be one (1) Advanced User technical training for one group of up to 10 people using Licensee computers. Licensee has the option of receiving two (2) End User Orientation Sessions and one (1) Advanced User technical training upon shipment of second and third Image Library. Pictometry also provides one Administration / IT training session designed to provide the administrators of the Pictometry image library with the knowledge they will need to manage and distribute access to the Pictometry solution. This session is done

Pictometry MJT / Licensee

remotely using online tools such as GotoMeeting. Licensee has the option of receiving two (2) End User Orientation Sessions, one (1) Advanced User technical training and one (1) Administration/IT training upon shipment of second and third Image Library. Training class may be changed to make the training more applicable to the needs of Milwaukee County. These changes will be mutually agreed upon by all parties.

4. Telephone Support: During the six (6) years of this Agreement, Pictometry shall provide thirty (30) hours of telephone support to the people who have completed the Advanced User technical trainings and who are individually identified by Licensee.

5. Licensed Software: Pictometry International Corp. shall supply one copy of the Pictometry Electronic Field Study (EFS) software, latest version, on the Storage Media supplied as specified herein. Licensee and Authorized Users may download updated versions of the Licensed Software free of charge for a period of two years from the initial date of shipping of the EFS software, along with a copy of the updated documentation.

6. Annual License Fee of Fifty-Nine Thousand, Four Hundred and Seventy-One Dollars and Eighty-Six Cents ($59,471.86) for 1st capture
   Annual License Fee of Sixty-Seven Thousand, Two Hundred and Forty-Seven Dollars and Thirty-One Cents($67,247.31) for 2nd capture
   Annual License Fee of Seventy Thousand, Seven Hundred and Forty-Seven Dollars ($70,747) for 3rd capture

7. This is the Annual License Fee for the Licensed Images, Licensed Software, Licensed Documentation and support.
   - Long Term Incentives ("LTI") have been applied to the fees shown above. In the event License terminates this Agreement prior to the end of the six (6) year Agreement term, all LTI monetary considerations shall be revoked and these funds shall be immediately due and payable to Pictometry. **Repayment of LTI considerations does not apply if funds for Oblique Imagery are not appropriated.** If such funds are not appropriated, Licensee shall provide Pictometry with written documentation of non-appropriation from the funding source (such notification shall be prior to any pending image capture). If funds are not appropriated for the purchase of Oblique Imagery, contract shall stay in force but new Image Libraries shall not be captured or delivered until outstanding balances due have been paid.
   - The duration of the License is six (6) years at the above fees.
   - At the end of the term of this Agreement, the Licensee is granted a Perpetual License for all Licensed Images and Licensed Software at no additional cost. In the event that Milwaukee County opts out of future flights, all flights that are paid for will receive a Perpetual License.
   - At the end of this License Term, optional Support and Upgrades for Licensed Software may be continued by:
     - Entering into a new license for new images, or
     - Paying an annual Support and Maintenance Fee of 5 % of the Annual License Fee of the last capture
   - **Pictometry Economic Alliance Partnership** – Licensee shall be eligible for the Pictometry Economic Alliance Partnership as outlined on Schedule B. The EAP Program described on the attached Schedule B shall stay in effect for a two (2) year term. EAP coverage shall continue for an additional four (4) year term and offerings will be based on the then prevailing EAP Program.
   - The annual cost of the Images is fixed for a period of five (5) years from the date of this License Agreement with Pictometry to provide consistency in pricing should the Licensee wish to amend the Schedule A to purchase annual imagery (an additional set of images on the one year anniversary of this License).

8. Storage Media. For each delivery, Pictometry will provide external hardrives for delivery. Milwaukee County agrees to return the drives within 30 days or be billed appropriately.

9. Total Cost: The Total Cost of this License Agreement is Three Hundred and Ninety-Four Thousand, Nine Hundred and Thirty-Two Dollars and Thirty-Four Cents ($394,932.34) of which Milwaukee County is obligated to pay $118,943.72. The remaining $275,988.62 included for years 3 through 6 is payable only if funds are appropriated. It is broken down as follows:

First Year	
Annual License Fee	$59,471.86
Second Year	
Annual License Fee	$59,471.86
Third Year	

Annual License Fee	$ 67,247.31
Fourth Year	
Annual License Fee	$ 67,247.31
Fifth Year	
Annual License Fee	$ 70,747.00
Sixth Year	
Annual License Fee	$ 70,747.00

10. Taxes: All License Fees or other prices listed in this Agreement are exclusive of Federal, State and Local taxes. Licensee will be responsible for any taxes due under this License Agreement, including sales tax, unless a tax exempt certificate is submitted to Pictometry.

11. Payment: The Licensee shall remit to Pictometry International, Corp. twenty percent (20%) of the Two Year Total Fee upon signing this Agreement and the balance of the First Year Total Fee within 30 days of the shipment of the Licensed Software and first Image Library, as specified in this Schedule A. All shipment efforts by Pictometry International Corp. shall be coordinated with the Licensee. Payment of the Second Year Total Fee shall be due on the one-year anniversary of the first Image Library shipment date.

    Payment of the Third Year Total Fee shall be within 30 days of the shipment of the second Image Library, as specified in this Schedule A. Payment of the Fourth Year Total Fee shall be due on the one-year anniversary of this second Image Library shipment date.

    Payment of the Fifth Year Total Fee shall be due within 30 days of the shipment of the third Image Library, as specified in this Schedule A. Payment of the Sixth Year Total Fee shall be due on the one-year anniversary of this third Image Library shipment date.

    It is understood that the payment schedule is for the convenience of the Licensee. All monies are considered earned upon shipment of the first Image Library. Payment of the Second, Third, Fourth, Fifth and Sixth Year Total Fees with the First Year total Fee will receive a 2% discount on those Second, Third and Fourth Year Total Fees. Fees past due for 30 days shall be charged a late fee of 1.5% per month.

    Payment Breakdown:
    Down payment due at signing = $ 23,788.40
    Balance of First Year Total Fee due on first Image Library shipment = $ 35,683.46
    Second Year Total Fee due on one-year anniversary of first Image Library shipment = $ 59,473.21
    Third Year Total Fee due on second Image Library shipment = $ 67,247.31
    Fourth Year Total Fee due on one-year anniversary of second Image Library shipment = $ 67,247.31
    Fifth Year Total Fee due on third Image Library shipment = $ 70,747.00
    Sixth Year Total Fee due on one-year anniversary of third Image Library shipment = $ 70,747.00

12. Delivery Schedule: The image capture process and the delivery date may be affected by weather conditions or aircraft availability. Licensee will accept delivery within thirty (30) days of notification by Pictometry.

13. Recommended Minimum System Requirements for Electronic Field Study. A Pentium III with a 450 MHz processor, 256MB memory minimum 512MB+ recommended, Windows 2000/XP, a video card with 4 MB memory capable of 1024 x 768 resolution, , display color of 24bit or higher, 100MB NIC and 50MB free disk space for software.

14. Training and Support Services: Additional training and support services are available to Licensee at the then prevailing prices.

15. The LiDAR and orthophotography will meet the specifications outlined in Schedule C.

Pictometry _____ Licensee _____

SCHEDULE "B"

Pictometry Economic Alliance Partnership

1. **Benefits**

Imagery – with Pictometry's EAP program the Licensee shall keep its imagery forever, the EFS Software license becomes perpetual at the end of the term of the license agreement.

EAP provides the benefits listed below:

A **Revenue Share Opportunities for Licensee** (all revenue to be applied as credits toward Licensee's renewal):

- Pictometry will market imagery (without measuring or planning capabilities) on the internet to consumers and rebate your county or state for images purchased of your area on a 50/50 basis in the form of credits towards your next update.

B **Disaster Coverage at No Additional Charge** – Pictometry's proven background in rapid response image capture, processing, and delivery is **unmatched**. Cities, Counties and States can benefit from Pictometry's expertise. Pictometry will image affected areas of federally declared disasters at no charge. However, there is no wait for a Federal Declaration under some of the following circumstances:

• **Hurricane Coverage at No Cost** – Pictometry will capture and quickly deliver imagery of affected areas of Category II hurricanes and above to your city, county or state at no additional expense. Coverage for hurricanes below this category can be arranged at reduced EAP rates.
• **Tornado Coverage at No Cost** – Pictometry will capture and quickly deliver imagery of areas impacted by Tornados with ratings of EF4 and above to your city, county or state at no additional cost. Coverage for tornados below EF4 can be arranged at reduced EAP rates.
• **Terrorist Coverage at No Cost** – Pictometry will capture and quickly deliver imagery of damage due to terrorist attack for up to 200 square miles at no additional cost.
• **Earthquake Coverage at No Cost** – While there is a wait for Federal Declaration on Earthquakes, Pictometry will capture, process, and rapidly deliver up to 200 square miles of georeferenced, oblique visual data at no additional cost for damaged areas of Earthquake Disasters.
• **Free Pictometry Change Analysis™** – As part of our EAP, Pictometry's Rapid Response Program includes our ready-to-use, patent pending Change Analysis software that was used in the aftermath of Hurricane Katrina. This powerful software product simultaneously compares pre and post disaster images to make your recovery and restoration efforts more effective and efficient.

C **Software Installation and Maintenance Costs** - During the term of the Software License Agreement, Pictometry shall provide Licensed Software to Licensee with no charge for upgrades, maintenance or support. At the end of the term of the Software License Agreement, the license for software becomes perpetual and Licensee may continue to use that software forever.

D **Marketing** – Pictometry will (only at your direction) market your GIS layers to its many business clients and share that revenue with you on a 50/50 basis.

SCHEDULE "C"
Digital Imagery Specifications
2010 Pictometry AccuPLUS Flight for Milwaukee County

AccuPlus Premium Ortho-Mosaic and 4-Way Obliques
AccuPlus – 6" GSD

TECHNICAL SPECIFICATIONS: AccuPlus Premium 6 Inch Ortho-Mosaic

Product Overview:
Seamless ortho-mosaic produced from individual frames and tiled to customer's preferred tiling scheme. Six inch baseline oblique imagery taken from all four cardinal directions. LiDAR will also be captured and used to process the ortho and oblique imagery. The LiDAR data and ancillary products are available for purchase.

I. General

A. **Geographic Extent**: The project shall cover the area detailed in the sector map (Schedule D) The orthoimagery shall be divided into smaller areas or tiles. The tile extent and grid shall be approved per project area.

B. **Non-image data:** Orthoimagery tiles shall not contain any non-image data. Non-image data includes photographic frame borders, fiducial marks, artifacts, and titling.

C. **Datums and Coordinates:** All high-resolution orthoimagery shall be projected in the North American Datum of 1927 (NAD27), using the Wisconsin State Plane Coordinate System (SPCS), South Zone with coordinates in feet. The project will be controlled using the latest available NGS control adjustment of the project area, unless another adjustment is specifically requested and described by the customer.

D. **Image Mosaicking**: Orthoimagery may be created using multiple digital images ("chips") to produce the final product. Specular reflections and other artifacts should be minimized, especially in developed areas, by patching the area using chips from other imagery.

E. **Radiometry Balance.** When a mosaic of two or more chips is made, the brightness and color values of the other chips will be adjusted to match that of the principal chip. The seamlines between the overlapping chips will be chosen to minimize tonal variations. Localized adjustment of the brightness and color values will be done to reduce radiometric differences between join areas.

F. **Edge-Matching.** Excessive horizontal displacement along seamlines or at tile boundaries is not allowed. The maximum allowable mis-join between transportation features or other well defined linear features is ±3 pixels.

II. Sensor & Acquisition: The following specifications are for the collection and provision of the required high-resolution natural-color aerial imagery. All imagery will be digital images.

A. Special Collection Conditions:

1. Acceptable Window: The acceptable window for the data collection shall be specific to the project areas based on geographic location and project requirements.
2. Time of Day and Year: Imagery shall be collected during minimal shadow conditions. Image collection shall occur generally when the sun angle is greater than 30-degrees. In urban areas containing many high-rise structures, the sun angle should be sufficiently high to minimize shadows as much as possible.
3. Collection Conditions: Imagery shall be collected under conditions free from clouds and cloud shadows, smoke, haze, light streaks, snow, foliage, flooding, and excessive soil moisture. Imagery will be acquired with ground free of snow cover and deciduous vegetation less than 30% of full bloom.
4. Image Coverage: Flight plans will be prepared to capture image frames with 60% forward overlap and 30% sidelap in order to provide sufficient overlap for automatic aerial triangulation and mitigation of building lean in orthophotography produced.
5. Camera: Pictometry utilizes a custom designed mapping camera incorporating a Kodak sensor and custom designed photogrammetric lenses. The sensor is fully calibrated according to Pictometry's calibration process which was licensed to the USGS in 2003. Pictometry's sensor provides a dynamic range of 12 bits per band, RGB (resampled to 8 bits during processing).

B. Camera Station Control:

1. Airborne GPS: Camera position (latitude, longitude, and elevation) shall be recorded at the instant of exposure with airborne GPS. Airborne GPS data shall be differentially corrected and organized as individual data sets grouped by corresponding flight line. Differentially corrected Airborne GPS positional data shall be stored on portable media, in a nonproprietary format acceptable to each organization.

C. Supplemental Ground Control: Differentially corrected GPS ground control, or conventionally surveyed first-order ground control, used to supplement the Airborne GPS positional adjustment shall be stored on portable media, in a non-proprietary format mutually agreeable to the USGS and the cooperator. The data provider shall publish and submit a Supplemental Ground Control report that contains narrative, computations and field notes/photos for all points used in the supplemental ground control solution.

D. **Horizontal Accuracy:** Orthophotogrammetric Mapping will meet or exceed a horizontal accuracy of 1.73 feet at the 95% confidence interval (1.00 feet RMSE) as specified in the FGDC Geospatial Positioning Accuracy Standards, Part 3: National Standard for Spatial Data Accuracy (NSSDA).

III. Digital Orthophoto Production: Shall be produced consistent with the following requirements:

A. **Aerotriangulation data:** Aerotriangulation (AT) data shall consist of a minimum of refined image coordinates and adjusted ground coordinates. Pictometry shall provide an AT report.

B. **Digital Orthorectified Image Datum:** Digital Orthorectified images shall be referenced to North American Datum 1927, Wisconsin State Plane South Zone feet. If a subset adjustment of NAD27 is desired, it must be specified.

C. **Digital Orthorectified Image Color:** Images shall be natural color.

D. **Spatial Resolution:** The spatial resolution will be 6 inches ground sample distance (GSD).

E. **Horizontal Accuracy:** All orthoimagery shall have 95% (NSSDA Confidence Interval) of all well-defined points tested fall within 1.73 feet.

F.

Digital Orthorectified Image Format: Images shall be submitted in uncompressed, untiled, ArcGIS readable, GeoTIFF file format with no internal tiling or overviews. Data shall not be compressed during ANY PHASE of the production process. Presence of compression artifacts will be cause for rejection.

G. **Digital Orthorectified Image Tile Size:** Orthorectified GeoTIFF files shall represent "tiles" arranged in 5,000 x 5,000 foot tiles depending on image resolution with no tile overedge. Corner coordinates will be based on the SPCS South Zone grid and are evenly divisible by 5,000 feet . Tiles shall be accompanied by an index sheet and shape file suitable for loading into ArcGIS. Index sheet shall include tile boundary and filename. The Index sheet collar shall include Latitude/Longitude reference coordinates.

H. **Digital Orthorectified Image Characteristics:** Relative join (misalignment) of transportation features between adjacent image chips/tiles shall not exceed 3 pixels. Orthophotos shall be tonally balanced to produce a uniform contrast and tone across the image tiles of the entire project. Changes in color balance across the project, if they exist, shall be gradual as possible. Abrupt tonal variations between tiles are not acceptable. Building tilt shall be corrected to the extent that transportation features are not obscured. Ground features appearing in the orthophoto imagery, such as building roof tops, water towers, and radio towers, shall not be clipped at seamlines or between individual tiles.

I. **File Naming Convention:** The 1500 x 1500 ortho tile file name shall be derived from the southwest corner of each tile and shall be based on the U.S. National Grid. File names will include Grid Zone Designation (GZD), 100,000 meter block designator and X and Y grid coordinates truncated to 100 meters.

The file naming convention for 12-inch, 6-inch, and 3-inch pixel resolution image files is described in the detailed specifications.
http://www.fgdc.gov/standards/standards_publications

IV. Metadata: Federal Geographic Data Committee (FGDC) compliant metadata describing the orthophoto production process shall be provided in extensible markup language (.xml) format for the project. FGDC compliant metadata for orthoimage tiles shall be delivered on portable media. Metadata shall be provided for each 10,000 x 10,000 foot tile and 5,000 x 5,000 foot tile prepared for this project.

ftp://ftpext.usgs.gov/pub/cr/mo/rolla/mcmc/release/xmlinput

This site contains the following files designed to define and support production of FGDC-compliant orthoimage metadata:

a. **XmlInput1_64.zip**. Application for reading and creating .xml metadata files. Included in this file are a sample metadata file which shows how these data elements should be addressed (**133UAExample.xml**) and the metadata template (**133UAtemplate.xml**).

b. **Help.pdf**. The users guide for **XmlInput**.

c. **MetaData_overview.doc**. Short requirements list for running **XmlInput**

V. Use and Distribution Rights: All imagery and data produced under this agreement shall be subject to the original license agreement between Milwaukee County and Pictometry.

VI. Quality Assurance:

A. **Quality Assurance** shall be performed to ensure that all processes and procedures used, and metadata produced by the data provider were adequate to meet all specifications cited.

1. Visual inspection of the data will be performed for the following:

a. Completeness of data to cover the specified geographic extent, with no omissions or corrupt data.
b. Tonal balancing problems across the block.
c. Ground Sample Distance to ensure that it meets the specified resolution.
d. Mis-joins between linear features greater than 3 pixels
e. Cloud cover, smoke/haze, corrupt data, and void areas.
f. Extreme tonal or color variation across seamlines.
g. Excessive horizontal displacement along seamlines in images (more than ±3 pixels along transportation

features, unless project specifications specifically state otherwise).

h. Excessive tilt in bridges, buildings, and other raised features.
i. Transportation features obstructed by buildings or shadows.
j. Clipping of features (e.g. radio towers, water tanks, buildings) at tile boundaries.
k. Building/structure warp that may indicate bad elevation data.
l. Smearing.
m. Evidence of oversaturation or undersaturation as a result of image processing or histogram manipulation.
n. Evidence of image compression.

2. Horizontal Accuracy Testing- Testing is performed if suitable test-point control is furnished as part of the data product. Test-point control must be completely independent of control used during data production.

3. Verification of Metadata Verify that accompanying metadata is complete as defined by FGDC metadata standards (http://www.fgdc.gov/metadata).

VII. LiDAR Specifications

A. Pictometry Capture System: Optech ALTM Gemini.
B. Multiple Discrete Return: up to 4 returns per pulse
C. Point Spacing: 1.0m (nominal).
D. Data Voids [areas => (4*NPS)2, measured using 1st-returns only] within a single swath are not acceptable, except:
1. where caused by water bodies
2. where caused by areas of low near infra-red (NIR) reflectivity such as asphalt or composition roofing.
3. where appropriately filled-in by another swath.

E. The spatial distribution of geometrically usable points is expected to be uniform and free from clustering. In order to ensure uniform densities throughout the data set:
1. A regular grid, with cell size equal to the design NPS will be laid over the data.
2. At least 90% of the cells in the grid shall contain at least 1 lidar point.
3. Clustering will be tested against the 1st return only data
4. Acceptable data voids identified previously in this specification are excluded

F. Scan Angle (total Field-of-View (FOV)) should not exceed 40°. USGS quality assurance on collections performed using scan angles wider than 34o will be particularly rigorous in the edge of swath areas. Horizontal and vertical accuracy shall remain within the requirements as specified below.

G. **Vertical Accuracy**: NSSDA RMSEZ = 15cm (NSSDA AccuracyZ 95% = 30cm) or better; suitable for 2 foot contours.

H. Flightline overlap 20% or greater, as required to ensure there are no data gaps between the usable portions of the swaths. Collections in high relief terrain are expected to require greater overlap. Any data with gaps between the geometrically **usable** portions of the swaths will be rejected.

I. **Collection Area**: Defined Project Area, buffered by a minimum of 200*NPS.

J. **Collection Conditions:**

1. Atmospheric: Cloud and fog-free between the aircraft and ground
2. Ground Snow free and less than 30% vegetation.
3. No unusual flooding or inundation, except in cases where the goal of the collection is to map the inundation.

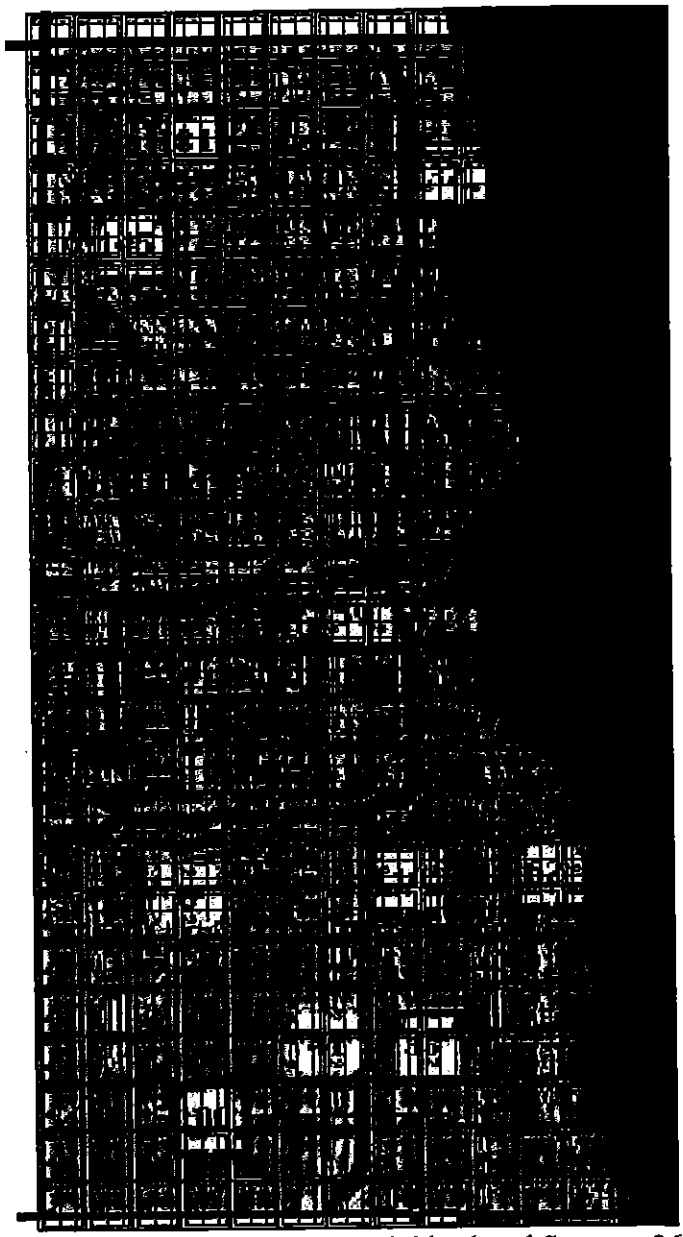
K. **Data Processing:**

1. All processing should be carried out with the understanding that all point products are required to be in **fully compliant LAS v1.2 or v.1.3 format.**
2. Coordinate System: Customer preferred system and units (must be specified and approved in advance of start of work).
3. Filtering: Automated methods with manual review and clean up with the following minimum performance specifications:
    a. 95% of outliers removed.
    b. 95% of vegetation removed.
    c. 98% of buildings removed.

L. **Positional Accuracy Validation**: FEMA accuracy assessment and FEMA Quality Control report are available for purchase. Additional ground control may be need to be purchased or provided by Milwaukee County.

M. **Classification Accuracy:** It is expected that due diligence in the classification process will produce data that meet the following test: Within any 1km x 1km area, no more than 2% of points will possess a demonstrably erroneous classification value. This includes points in Classes 0 and 1 that should correctly be included in a different Class required by the contract.

SCHEDULE "D"
Sector Map



Community Sectors: 269 Neighborhood Sectors: 269

Please Initial: County ____ Pictometry ____