

# ELEVATION CERTIFICATE

Important: Read the instructions on pages 1-9.

## SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name The Mildred Prince Roberson Revocable Trust		For Insurance Company Use: Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 3105 Millbury Road		Company NAIC Number
City Norman State OK ZIP Code 73071		
A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.) Tax Parcel #R0127774, Lot 5, Block 6, Vineyard Phase II		
A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) <u>Residential</u>		
A5. Latitude/Longitude: Lat. <u>N 35°15'23.1"</u> Long. <u>W 97°26'13.4"</u>		Horizontal Datum: <input type="checkbox"/> NAD 1927 <input checked="" type="checkbox"/> NAD 1983
A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.		
A7. Building Diagram Number <u>1B</u>		
A8. For a building with a crawlspace or enclosure(s):		A9. For a building with an attached garage:
a) Square footage of crawlspace or enclosure(s) <u>n/a</u> sq ft		a) Square footage of attached garage <u>540.5</u> sq ft
b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade <u>n/a</u>		b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade <u>n/a</u>
c) Total net area of flood openings in A8.b <u>n/a</u> sq in		c) Total net area of flood openings in A9.b <u>n/a</u> sq in
d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No		d) Engineered flood openings? <input type="checkbox"/> Yes <input type="checkbox"/> No

## SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number Norman, City of 400046		B2. County Name Cleveland		B3. State OK	
B4. Map/Panel Number 0195	B5. Suffix J	B6. FIRM Index Date 2/20/2013	B7. FIRM Panel Effective/Revised Date 2/20/2013	B8. Flood Zone(s) AE	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) 1134.4
B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9. <input checked="" type="checkbox"/> FIS Profile <input type="checkbox"/> FIRM <input type="checkbox"/> Community Determined <input type="checkbox"/> Other (Describe) _____					
B11. Indicate elevation datum used for BFE in Item B9: <input type="checkbox"/> NGVD 1929 <input checked="" type="checkbox"/> NAVD 1988 <input type="checkbox"/> Other (Describe) _____					
B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Designation Date _____ <input type="checkbox"/> CBRS <input type="checkbox"/> OPA					

## SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on:  Construction Drawings\*  Building Under Construction\*  Finished Construction  
\*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.  
Benchmark Utilized OPUS Report for CP #500 Vertical Datum NAVD88  
Conversion/Comments \_\_\_\_\_

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) <u>1136.8</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
b) Top of the next higher floor <u>n/a</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
c) Bottom of the lowest horizontal structural member (V Zones only) <u>n/a</u>	<input type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
d) Attached garage (top of slab) <u>1136.2</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) <u>1136.3</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
f) Lowest adjacent (finished) grade next to building (LAG) <u>1134.9</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
g) Highest adjacent (finished) grade next to building (HAG) <u>1136.2</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)
h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support <u>1134.4</u>	<input checked="" type="checkbox"/> feet <input type="checkbox"/> meters (Puerto Rico only)

## SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.   
Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor?  Yes  No

Certifier's Name Steven M. Morren	License Number 1600
Title President	Company Name Survey Solutions Inc.
Address 229 Cindy Ave.	City Norman State OK ZIP Code 73071
Signature	Date Telephone 405-314-4108



<b>IMPORTANT: In these spaces, copy the corresponding information from Section A.</b>	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 3105 Millbury Road	Policy Number
City Norman State OK ZIP Code 73071	Company NAIC Number

**SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)**

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments Method of Lat/Long was GPS; Lowest Machinery Servicing Structure was A/C Unit; Lowest adjacent grade at lowest elevation of deck or stairs was at rear steps to rear deck; Benchmark was established by OPUS report ;

Pages attached: 2 pages of pictures; OPUS Report; Firmette; Floodway Data; Vicinity Map; Detail Map.

Signature	Date	<input checked="" type="checkbox"/> Check here if attachments
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**SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)**

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).  
 a) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_.  feet  meters  above or  below the HAG.  
 b) Top of bottom floor (including basement, crawlspace, or enclosure) is \_\_\_\_\_.  feet  meters  above or  below the LAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is \_\_\_\_\_.  feet  meters  above or  below the HAG.
- E3. Attached garage (top of slab) is \_\_\_\_\_.  feet  meters  above or  below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is \_\_\_\_\_.  feet  meters  above or  below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance?  Yes  No  Unknown. The local official must certify this information in Section G.

**SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION**

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge.*

Property Owner's or Owner's Authorized Representative's Name			
Address	City	State	ZIP Code
Signature	Date	Telephone	
Comments			

Check here if attachments

**SECTION G - COMMUNITY INFORMATION (OPTIONAL)**

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8 and G9.

- G1.  The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2.  A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3.  The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
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- G7. This permit has been issued for:  New Construction  Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: \_\_\_\_\_.  feet  meters (PR) Datum \_\_\_\_\_
- G9. BFE or (in Zone AO) depth of flooding at the building site: \_\_\_\_\_.  feet  meters (PR) Datum \_\_\_\_\_
- G10. Community's design flood elevation: \_\_\_\_\_.  feet  meters (PR) Datum \_\_\_\_\_

Local Official's Name	Title
Community Name	Telephone
Signature	Date
Comments	

Check here if attachments

# Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 3105 Millbury Road	For Insurance Company Use:
	Policy Number
City Norman State OK ZIP Code 73071	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page, following.



Top of bottom floor (C2a).

Attached garage (C2G).

**Front View (West Side) 5/15/2013**



LAG (C2f).

Lowest adjacent grade at lowest elevation of deck or stairs (C2h).

**Rear View (East Side) 5/15/2013**

# Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 3105 Millbury Road	For Insurance Company Use: Policy Number
City Norman State OK ZIP Code 73071	Company NAIC Number

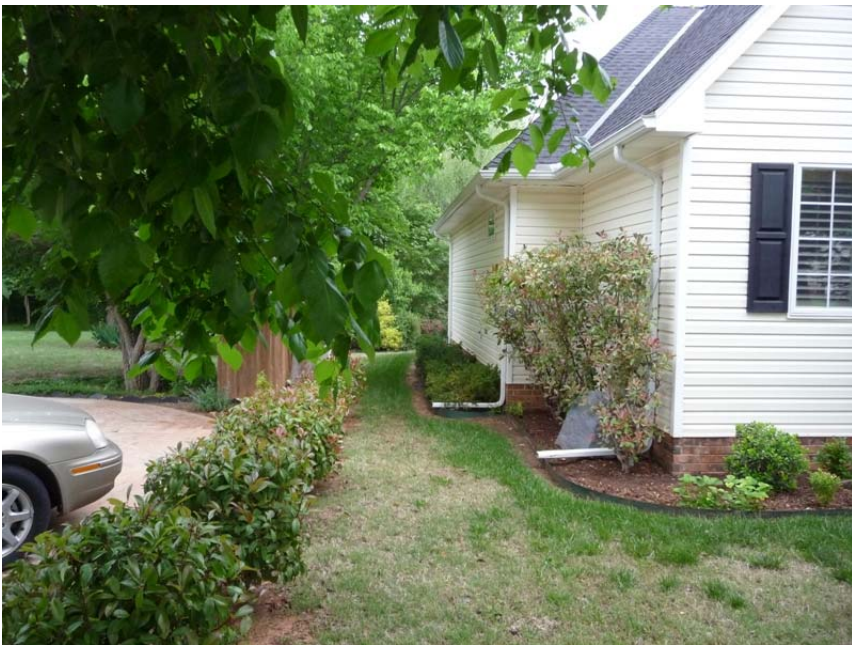
If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View."



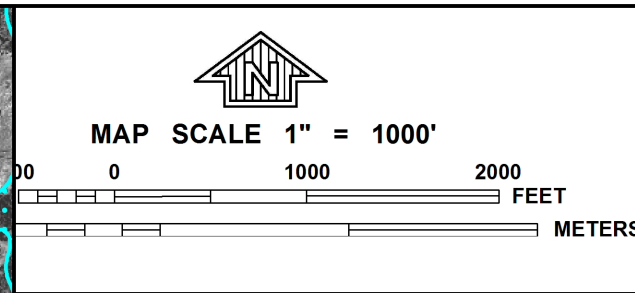
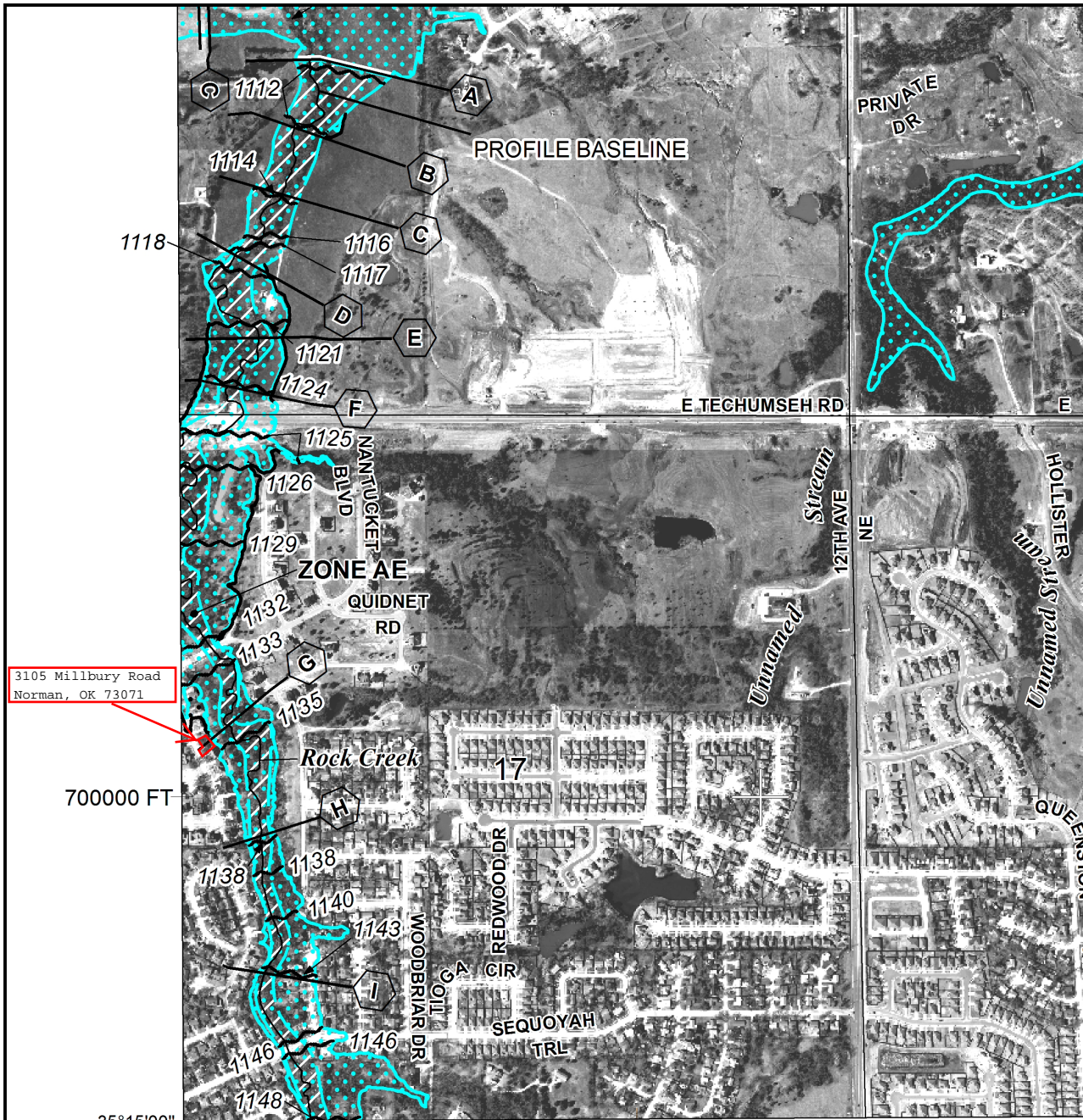
Lowest elevation of machinery servicing the building. (C2e)  
Note: AC units are raised 0.2' on risers.

HAG (C2g).

**Right Side View (South Side) 5/15/2013**



**Left Side View (North Side) 5/15/2013**



NFP  
NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0195J

**FIRM**  
FLOOD INSURANCE RATE MAP  
CLEVELAND COUNTY,  
OKLAHOMA  
AND INCORPORATED AREAS

PANEL 195 OF 475

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CLEVELAND COUNTY	400475	0195	J
MOORE, CITY OF	400044	0195	J
NORMAN, CITY OF	400046	0195	J
OKLAHOMA CITY, CITY OF	405378	0195	J

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.



MAP NUMBER  
40027C0195J

MAP REVISED  
FEBRUARY 20, 2013

Federal Emergency Management Agency

3105 Millbury Road  
Norman, OK 73071

700000 FT

35°15'00"  
97°26'15"

643<sup>000m</sup> E

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at [www.msc.fema.gov](http://www.msc.fema.gov)



1134.4

3105  
Millbury

40027C0195H

40027C0190H

NOT FOR OFFICIAL USE

1135

POWERED BY  
esri

100ft

17

LAND

FLOODING SOURCE		FLOODWAY			BASE FLOOD WATER SURFACE ELEVATION (FEET NAVD)			
CROSS SECTION	DISTANCE <sup>1</sup>	WIDTH (FEET)	SECTION AREA (SQUARE FEET)	MEAN VELOCITY (FEET PER SECOND)	REGULATORY (FEET NAVD 88)	WITHOUT FLOODWAY (FEET NAVD 88)	WITH FLOODWAY (FEET NAVD 88)	INCREASE (FEET)
<b>Rock Creek</b>								
A	1,275	600	1,870	2.0	1,111.5	1,111.5	1,112.5	1.0
B	1,850	270	930	4.0	1,112.0	1,112.0	1,113.0	1.0
C	2,275	270	990	3.8	1,113.6	1,113.6	1,114.6	1.0
D	2,775	170	650	5.7	1,117.4	1,117.4	1,118.0	0.6
E	3,400	190	780	4.8	1,121.4	1,121.4	1,122.1	0.7
F	3,825	140	820	4.2	1,124.0	1,124.0	1,124.8	0.8
G	7,500	90	700	5.0	1,134.4	1,134.4	1,135.3	0.9
H	8,525	130	1,350	2.6	1,138.0	1,138.0	1,139.0	1.0
I	9,410	80	340	7.1	1,143.3	1,143.3	1,144.2	0.9
J	10,600	120	460	5.3	1,148.7	1,148.7	1,149.4	0.7
K	11,320	80	490	5.0	1,153.0	1,153.0	1,154.0	1.0
L	11,940	190	1,313	1.1	1,158.2	1,158.2	1,159.0	0.8
M	12,850	100	320	3.7	1,158.5	1,158.5	1,159.3	0.8
N	13,950	140	320	3.7	1,165.5	1,165.5	1,166.2	0.7

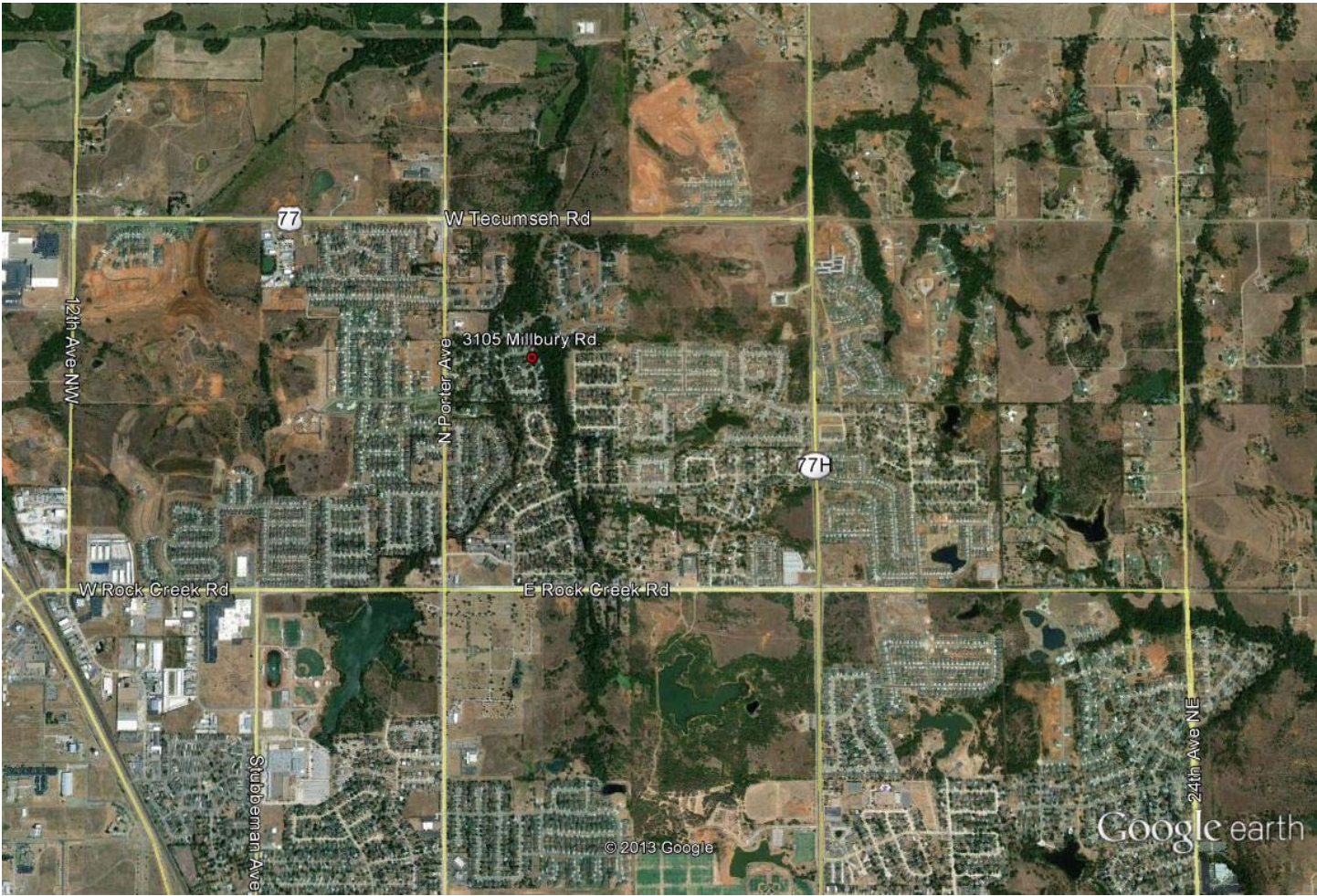
<sup>1</sup> Feet above confluence with the Little River

**TABLE 7**

FEDERAL EMERGENCY MANAGEMENT AGENCY  
**CLEVELAND COUNTY, OK**  
 AND INCORPORATED AREAS

**FLOODWAY DATA**

**ROCK CREEK**



Google earth





CP 500  
 OPUS Report 3105 Millbury Rd. pt #500 09N02W17  
 Book M-5 Set 40d Nail  
 Slant HI: 1.834m measured  
 GPS Make Topcon Hi per II  
 ARP: 1.77664m calculated  
 STATE PLANE COORDINATES SPC (3502 OK S)  
 converted to feet  
 N: 700319.0354'  
 E: 2136542.3786'  
 EI: 1135.7480'

FILE: log0515n.tps OP1369499218125  
 NGS OPUS SOLUTION REPORT  
 =====

All computed coordinate accuracies are listed as peak-to-peak values.  
 For additional information: <http://www.ngs.noaa.gov/OPUS/about.jsp#accuracy>

USER: surveysolutions@cox.net DATE: May 25, 2013  
 RINEX FILE: log0135n.13o TIME: 16:28:03 UTC

SOFTWARE: page5 1209.04 master72.pl 082112 START: 2013/05/15 13:29:00  
 EPHEMERIS: i gr17403.eph [rapid] STOP: 2013/05/15 15:31:00  
 NAV FILE: brdc1350.13n OBS USED: 4126 / 4584 : 90%  
 ANT NAME: TPSHIPER\_II NONE # FIXED AMB: 36 / 39 : 92%  
 ARP HEIGHT: 1.77664 OVERALL RMS: 0.017(m)

REF FRAME: NAD\_83(2011)(EPOCH: 2010.0000) IGS08 (EPOCH: 2013.3688)

X:	-674937.121(m)	0.013(m)	-674937.904(m)	0.013(m)
Y:	-5170457.219(m)	0.026(m)	-5170455.817(m)	0.026(m)
Z:	3661311.293(m)	0.013(m)	3661311.154(m)	0.013(m)

LAT:	35 15 22.84525	0.022(m)	35 15 22.86571	0.022(m)
E LON:	262 33 46.15544	0.015(m)	262 33 46.11755	0.015(m)
W LON:	97 26 13.84456	0.015(m)	97 26 13.88245	0.015(m)
EL HGT:	319.561(m)	0.015(m)	318.429(m)	0.015(m)
ORTHO HGT:	346.176(m)	0.027(m)	[NAVD88 (Computed using GEOID12A)]	

	UTM COORDINATES	STATE PLANE COORDINATES
	UTM (Zone 14)	SPC (3502 OK S)
Northing (Y) [meters]	3902590.840	213457.242
Easting (X) [meters]	642169.746	651218.117
Convergence [degrees]	0.90226717	0.31946656
Point Scale	0.99984910	1.00000463
Combined Factor	0.99979895	0.99995447

US NATIONAL GRID DESIGNATOR: 14SPE4216902590(NAD 83)

BASE STATIONS USED			
PID	DESIGNATION	LATITUDE	LONGITUDE DISTANCE(m)
DE7174	OKTE TECUMSEH CORS ARP	N351536.668	W0965352.107 49087.1
DG9755	OKAO ANADARKO CORS ARP	N350435.045	W0981445.200 76336.0
AF9529	PRCO PURCELL CORS ARP	N345847.495	W0973109.264 31574.6

NEAREST NGS PUBLISHED CONTROL POINT			
PID	DESIGNATION	LATITUDE	LONGITUDE DISTANCE(m)
FJ0337	22 B 8	N351449.	W0972735. 2301.1

This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.