

SECTION 15241
CORROSION CONTROL - DUCTILE IRON PIPING

PART 1 - GENERAL

1.01 DESCRIPTION:

- A. Scope of WORK: This SPECIFICATION pertains to the implementation of a corrosion mitigation system for the new ductile iron water mains. The proposed system shall include, but not be limited to, test stations, galvanic anodes, corrosion monitoring probes, testing and all associated cable hardware required to complete the installation, as well as site cleanup and surface restoration. These measures are to be implemented to enhance the coatings and wraps addressed elsewhere in the SPECIFICATIONS.

1.02 APPLICABLE PUBLICATIONS:

The publications listed below form a part of this SPECIFICATION to the extent referenced. The publications are referred to in the text by basic designation only.

AMERICAN NATIONAL STANDARDS INSTITUTE, INC. (ANSI)

ANSI B1.1	1974 Unified Screw Threads
ANSI B2.1	1968 Pipe Threads (Except Dryseal)
ANSI B16.5	1977 Steel Pipe Flanges, Flanged Valves and Fittings Including Ratings for Class 150, 300, 400, 600, 900, 1500 and 2500
ANSI B18.2.1	1972 Square and Hex Bolts and Screws, Including Askew Heads Bolts, Hex Cap Screws, and Lag Screws
ANSI B18.2.2	Square and Hex Nuts
ANSI C2	1977 National Electrical Safety Code

AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)

ASTM A194	1978 Carbon and Alloy Steel Nuts for Bolts for High-Pressure and High-Temperature Service
ASTM A307	1976 Carbon Steel Externally and Internally Threaded Standard Fasteners
ASTM C94	1978 Ready-Mixed Concrete

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION (NEMA)

NEMA ICS3	1983 (Rev. 1985) Industrial Systems
NEMA MR20	1958 (Rev. 1976) Cathodic Protection Units

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 70	1978 National Electrical Code
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UNDERWRITER'S LABORATORIES, INC. (UL)

UL 6	1976 Rigid Metallic Conduit
UL 44	1977 (Rev. 1978) Rubber-Insulated Wires and Cables
UL 83	1975 (Rev. 1977) Thermoplastic-Insulated Wires
UL 467	1972 (Rev. 1978) Bonding and Grounding Equipment
UL 486	1976 (Rev. 1977) Wire Connectors and Soldering Lugs for Use with Copper Conductors
UL 510	1976 Insulating Tape

1.03 GENERAL:

This SPECIFICATION shall include all construction labor, equipment, supervision and engineering to ensure the bonding and corrosion protection components are installed properly and in accordance with these SPECIFICATIONS and associated layout DRAWINGS. The CONTRACTOR shall be completely responsible for workmanship and the satisfactory performance of the components furnished.

The CONTRACTOR may propose modifications upon review of the project SPECIFICATIONS and site verifications. These changes shall be limited to

component installation locations and will only be considered if documented that they will result in benefits to the OWNER. Any proposed modification must be fully described and submitted by the CONTRACTOR and approved by the ENGINEER. Modifications or additional materials shall be at no additional cost to the OWNER. Any modifications shall incorporate all requirements of this SPECIFICATION.

- A. **Verification of Site Conditions:** The CONTRACTOR shall coordinate and properly relate this WORK to the site and to the WORK of all trades. The general locations of the pipeline is shown on the DRAWINGS. However, the CONTRACTOR shall visit the premises and thoroughly familiarize himself with all details of the WORK and working conditions, verify existing conditions in the field, determine the exact locations of existing lines and structures, and advise the ENGINEER of any discrepancy that may prevent or hinder the specified WORK from being completed. The CONTRACTOR shall be solely responsible for locating and marking underground structures so as to avoid their damage during construction.
- B. **System Arrangement:** The DRAWINGS indicate the locations of the corrosion protection system components to be installed.
- C. **Material Storage:** The CONTRACTOR shall be solely responsible for securing stored on-site materials.

1.04 SUBMITTALS:

Submit the following information for approval:

- A. **Bill of Materials:** Prepare a bill of materials indicating quantities, detailed descriptions and SUPPLIER.
- B. **Catalog Cuts:**
 - 1. Test Leads
 - 2. Test Stations
 - 3. Exothermic Welds
 - 4. Backfill Shields
 - 6. Flange Isolation Kits

PART 2 - PRODUCTS

2.01 CAST ANODES: (not used)

2.02 TEST LEAD WIRE:

No. 10 AWG stranded copper with RHW-USE or HMWPE insulation, black in color for connection to new pipeline.

2.03 CALIBRATED SHUNTS: (not used)

2.04 BOND CABLE:

No. 4 AWG stranded copper with HMWPE insulation, black in color, 18 inches in length. Two (2) bond cables per pipe joint whether mechanical or slip. No bare copper straps are allowed.

2.05 INSULATED FLANGE SETS:

Sets shall include full-face gaskets, double insulated sleeves and washers, and steel washers. The gaskets shall be suitable for exposure to potable water under a maximum operating pressure of 150 psi. Gasket materials shall comply with the requirements set forth in SPECIFICATION Section 15245.

If no specific material SPECIFICATIONS are provided in Section 15245, the kits shall consist of: Gasket material shall be one (1) piece G10 phenolic resin with a square shouldered nitrile seal. Sleeves and washers shall be manufactured of G-10 pyrox.

2.06 TEST STATIONS:

- A. Pad mount: Cast Iron head, minimum five (5) terminal, "Cathodic Protection - Test" cast in cover, 4" diameter, min. CP Test Series, or equal.
- B. Test Station Label: Provide a 1 inch wide by 2 inch long 316 stainless steel tag. This tag shall have the test station number and associated structure stamped into the metal. Attach tag to terminal board inside test station.
- C. Exterior Label: Self adhesive label, blue in color printed "Caution Buried Water Pipeline, Cobb County-Marietta Water Authority (770) 514-5300".

2.07 PIPELINE CABLE CONNECTION:

Exothermic weld type suitable for attaching copper wire to large pipelines. For cast iron or ductile iron use special XF-19 type weld charges, or as recommended by manufacturer.

2.08 EXOTHERMIC WELD COATING:

Non-metallic, elastomer filled shield.

2.09 CORROSION PROBE: (not used)

2.10 CONCRETE:

3,000 psi concrete conforming to ASTM C94 cast in place, for test station footings.

PART 3 - INSTALLATION

3.01 PIPELINE ANODES: (not used)

3.02 TEST LEAD CONNECTION:

- A. Coating materials shall be removed from the pipe surface over an area just sufficient to make the connection. The steel surface shall be cleaned to white metal with a ceramic grinding wheel, rasp, or coarse file prior to welding the conductor. Use of resin impregnated wheels or discs will not be permitted. The conductor shall be welded to the pipeline by the exothermic process with only sufficient insulation removed from the conductor to allow placement in the welding mold. After the weld has cooled, all slag shall be removed, and the weld shall be tested with a sharp hammer blow to assure a proper metallurgical bond. All defective welds shall be removed and replaced. All exposed surfaces of copper and steel shall be covered with a bitumastic filled shield encapsulating the connection.
- B. Trench cables to a depth of 24 inches. Carefully lay structure wire in bottom of trench, ensuring the cable does not rest on sharp edges and is free of kinks. Connect the lead wires to the test station terminals and backfill.

3.03 TEST STATIONS:

- A. Install test stations directly over the pipe and provide a concrete footing as shown on the DRAWINGS. Terminate test leads and calibrated shunts as indicated. Install test station labels.
- B. Extreme care must be taken to avoid damaging lead wires.

3.04 INSULATING FLANGES:

- A. Install insulating flange sets at the indicated locations. Ensure all dielectric components are in place before bolting flange together. Use a synchronized tightening pattern to ensure even compression of the gasket.
- B. All flanges are to be tested to ensure they are isolated before burial. Testing should be performed using a isolation tester under the supervision of a corrosion professional.

PART 4 - TESTS

All field tests shall be witnessed by the ENGINEER or his representative. Advise the ENGINEER at least 5 days prior to conducting final test.

4.01 BONDING:

The evaluation of the pipe bonds shall be conducted by the CONTRACTOR on all sections of bonded ductile iron and carbon steel pipeline. The tests are not required for welded joints. The tests shall be conducted using a portable rectifier, 600 feet of #8 AWG/RHW-USE current carrying lead, 600 feet of #22 AWG/PVC test wire, a voltmeter, and the test leads provided within the test stations. The tests shall be conducted between consecutive test stations to evaluate the pipe bonds.

Using the #8 AWG Cable, connect the portable test rectifier in circuit with the pipe. Attach the #8 AWG cable to one of the lead wires within each test station. Then connect the test wire to the free test station lead wires with a voltmeter in circuit.

Once the test leads are connected, energize the rectifier and adjust the current output to 25 amperes. Measure and record the voltage drop between test stations with the current applied. Calculate the pipeline resistance by dividing the voltage drop by the current applied. The maximum allowable resistance between test stations is computed as follows:

$$R = (1.5)[(r) (L) (OD^2-ID^2) + (NJ)(0.00026)]$$

where:

- R = the maximum allowable resistance for test section.
- r = electrical resistance of iron or steel.
- L = total length of pipe tested.
- OD = outside diameter of pipe.
- ID = inside diameter of pipe.
- NJ = number of bonded joints in test section.

Any sections of pipe exhibiting a resistance higher than this level are assumed to

have a high resistance or missing bond cable. Locate and repair the damaged or missing bond.

The results of each resistance test shall be recorded and submitted for review by the ENGINEER. Record the test station numbers and stationing for each test. Incorporate the resistance test data in the final report on the corrosion monitoring system.

4.02 CORROSION MONITORING SYSTEM: (not used)

4.03 MANUFACTURER'S DATA:

The CONTRACTOR shall furnish seven copies of the SUPPLIER'S data for all related equipment. The data shall include descriptions of the equipment, wiring diagrams where applicable, operating and maintenance instructions, AS-BUILT DRAWINGS giving test station locations and spare parts data including source of supply.

****END OF SECTION****

SECTION 15250
CORROSION WRAP COATING

PART 1 GENERAL

1.01 SCOPE

This Section specifies the CORROSION WRAP COATING to be applied to Ductile Iron pipe, Ductile Iron fittings, and valves.

1.02 FUNCTION

The corrosion wrap coating and associated products shall completely seal the Ductile Iron pipe, fittings, and valves from external corrosion influences. The material shall be an inert visco-elastic material suitable for field application.

1.03 GENERAL

- A. Store and handle all materials in accordance with manufacturer's instructions.
- B. Applied material in accordance with manufacturer's instruction.
- C. Provide manufacturer's training to all workers who apply the Corrosion Wrap Coating and associated products to Ductile Iron Pipe and associated appurtenances.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Corrosion Wrap Coating: STOPAQ B.V. owned by Berry CPG.

2.02 PRODUCTS

- A. Polyken Single Wrap
 - 1. Base Material: Polyken VE Wrap Primer is a cold-applied, non-cross-linked, non-crystalline, monolithic viscous polymer based coating with cold flow, self-healing, visco-elastic properties. The material is fully resistant to water and has a very low gas- and water permeability.
 - 2. Mechanical Protection Coating: Polykin HSP shall be bonded to the base material and provide mechanical protection from damage to the coating.
- B. STOPAQ CZH: This paste is a moldable product for corrosion protection of below and aboveground (insulation) flanges and accessories.
- C. STOPAQ OUTERWRAP PV: This a mechanical protection layer to provide physical protection over paste.

PART 3 EXECUTION

3.01 INSTALLATION OF CORROSION PROTECTION

- A. Surface Preparation Standards: Clean surfaces to SSPC.SP2/3 standard. Remove all rust scale, mill scale, loose paint, dirt, and rust.

- B. Pipe Coating Installation: Apply in accordance the manufacturer's instruction with a minimum of 10% overlap.
- C. Pipe Joints: Protect all pipe joints with inertia filler so that joints are protected during of corrosion protection.
- D. Appurtenances: Apply paste and outerwrap for all valves, joints, and appurtenances that cannot adequately protected by corrosion wrap.

END OF SECTION

C-O-P-Y

Do not return to
Easement Files

Deed Book 13538 Pg 4399
Filed and Recorded May-20-2002 12:14pm
2002-009926
Real Estate Transfer Tax \$0.00

Jay C. Stephenson
Clerk of Superior Court Cobb Cty. Ga.

Return To: Gary F. Eubanks
Smith, Eubanks, Smith & Tumlin, P.C.
P.O. Box 1186
Marietta, GA 30061

5/18

EASEMENT INSTRUMENT

STATE OF GEORGIA
COUNTY OF COBB

This grant of easement made this 8th day of January, 2001, from **MARIETTA LEXUS AUTO REALTY, INC.** (hereinafter collectively called "Grantor"), as Party or Parties of the First Part whether one or more, to **COBB COUNTY-MARIETTA WATER AUTHORITY**, a political subdivision of the State of Georgia and the **MARIETTA BOARD OF LIGHTS AND WATERWORKS**, as Parties of the Second Part (hereinafter collectively called "Grantee").

WITNESSETH, that Grantor for the sum of Ten (\$10.00) Dollars and Other Valuable Considerations, in hand paid, at and before the sealing and delivery of these presents, the receipt and sufficiency whereof is hereby acknowledged, has granted, bargained, sold and conveyed, and by these presents does grant, bargain, sell and convey unto Grantee easements and right-of-way over, through, across and under the property of Grantor more particularly described as follows:

Parcel 55

A permanent easement approximately 405 feet in length along a strip of land in Land Lot 641 of the 17th District, 2nd Section, Cobb County, Georgia more particularly described on Easement Drawing No. 55 for Project No. 97-437, prepared by Welker & Associates, Inc., dated February, 2001, revised 7/26/01, attached hereto as Exhibit A and made a part hereof.

Said permanent easement is at all points adjacent to and northeasterly of the northeastern right-of-way boundary of U. S. Highway 41, commences at Station 186 + 59.22 extends in a southeasterly direction and ends at the northwestern right-of-way boundary of Franklin Drive a/k/a Franklin Road at Station 190 + 71.89. Said permanent easement has a uniform width 6 feet.

A temporary construction easement approximately 426 feet in length along a strip of land in Land Lot 641 of the 17th District, 2nd Section, Cobb County, Georgia more particularly described on Easement Drawing No. 55 for Project No. 97-437, prepared by Welker & Associates, Inc., dated February, 2001, revised 7/26/01, attached hereto as Exhibit A and made a part hereof. Said temporary construction easement is generally adjacent to and northeasterly of the permanent easement described immediately above, commences at Station 186 + 43.57, extends in a southeasterly direction and ends at the northwestern right-of-way boundary of Franklin Road a/k/a Franklin Drive at Station 190 + 69.21. Said temporary construction easement has a uniform width of 15 feet.

Parcel 56

A permanent easement approximately 84 feet in length along a strip of land in Land Lot 641 of the 17th District, 2nd Section, Cobb County, Georgia more particularly described on

Easement Drawing No. 56 for Project No. 97-437, prepared by Welker & Associates, Inc., dated February, 2001, revised 7/26/01, attached hereto as Exhibit A and made a part hereof. Said permanent easement is at all points adjacent to and northeasterly of the northeastern right-of-way boundary of U. S. Highway 41, commences at the southeastern right-of-way boundary of Franklin Drive a/k/a Franklin Road at Station 191 + 14.30, extends in a southeasterly direction and ends at the southeastern property line of the property now or formerly owned by Marietta Lexus Auto Realty, Inc., at Station 197 + 97.99. Between Station 191 + 14.30 and Station 191 + 26.62 said permanent easement tapers between a width of 0 feet and a width of 28 feet, having a width of 28 feet at Station 191 + 26.62. Between Station 191 + 26.62 and its end point at Station 191 + 97.99 said permanent easement has a uniform width of 28 feet.

A temporary construction easement approximately 90 feet in length along a strip of land in Land Lot 641 of the 17th District, 2nd Section, Cobb County, Georgia more particularly described on Easement Drawing No. 56 for Project No. 97-437, prepared by Welker & Associates, Inc., dated February, 2001, revised 7/26/01, attached hereto as Exhibit A and made a part hereof. Said temporary construction easement is at all points adjacent to and northeasterly of the permanent easement described immediately above, commences at the southeastern right-of-way boundary of Franklin Drive a/k/a Franklin Road at Station 191 + 07.66, extends in a southeasterly direction and ends at the southeastern property line of the property now or formerly owned by Marietta Lexus Auto Realty, Inc., at Station 191 + 97.99. Between Station 191 + 07.66 and Station 191 + 14.30 said temporary construction easement tapers between a width of 0 feet and a width of 15 feet, having a width of 15 feet at Station 191 + 14.30. Between Station 191 + 14.30 and its end point at Station 191 + 97.99 said temporary construction easement has a uniform width of 15 feet.

together with the right of unimpaired access between said easements and U. S. Highway 41.

Said temporary construction easement shall automatically terminate upon the completion of the construction of the initial 36" water transmission line and the initial 16" water distribution line to be installed by Grantee along said permanent easement. Said construction shall be deemed to be completed one year from the date of Grantee's acceptance of said lines from their contractor. Said permanent easement shall be perpetual.

The easements covered by this instrument are for the purpose of operating water pipelines with related valves and other attachments, together with the right to go upon said land to install said water pipelines and related valves and attachments, and any additional lines of pipe adjacent to and parallel with the lines above mentioned together with related valves and attachments and to inspect, maintain and repair the same as may from time to time be necessary or expedient and whenever either Grantee may see fit, with all the rights, members and appurtenances to said easements and right-of-way in any wise appertaining to or belonging. Either Grantee shall also have the right to maintain said permanent easement strip clear of trees, undergrowth and brush in the event that Grantor or Grantor's assigns fail to do so.

Grantor covenant and agrees that Grantor will not impound water or construct buildings, structures, engineering works or other obstructions of any type whatsoever on the above-described permanent right-of-way strip unless authorized in writing by each Grantee. Grantor agrees to leave each Grantee's water line(s) undisturbed as to location and depth. These covenants and agreements shall be covenants running with the land and shall be binding on Grantor, its heirs, successors and assigns. After a water line has been installed, Grantee shall not be liable for damages caused on the right-of-way by keeping said permanent right-of-way clear of trees, undergrowth, brush, buildings, structures, engineering work and obstructions in the exercise of its rights granted herein.

After any construction by either Grantee, such Grantee shall re-seed with grass any portions of said right-of-way strip covered with vegetation prior to such construction and will replace any preexisting improvements damaged during construction which are permitted by Grantee pursuant to the preceding paragraph, excepting trees and other deep rooted vegetation; except for a flushpipe having a diameter of 8" or less at any low point, any markers and any ground level manholes and manhole covers, any water pipeline(s), valves and related attachments to be constructed by Grantee across any portion of the above-described right-of-way strip shall, at the time

INITIALS


of construction thereof, be buried to such depth as will not interfere with Grantor's subsequent use of said property for normal parking lot or landscaping purposes.

This Easement Instrument is expressly contingent upon the following: (1) as to Parcel 55 that non-emergency construction or maintenance activities of Grantee may only obstruct one half of driveway at a time, and each Grantee will make its best effort to obstruct Grantor's main entrances only on Sundays or at times other than the previously established regularly scheduled hours of operation of Grantor's business located adjacent to said Parcel 55; and (2) as to Parcel 56 that each Grantee shall make its best effort not to block Grantor's Franklin Drive entrance while performing any work upon the above described parcel during the previously established regularly scheduled hours of operation of Grantor's business located adjacent to said Parcel 56.

Delay of Grantee in the use or exercise of any right or easement hereby granted, or in laying or installing the first water line or additional lines in or along said right-of-way, shall not result in the loss, limitation or abandonment of any of the right, title, interest, easement or estate hereby granted. The rights herein granted are divisible and assignable in whole or in part. The terms, covenants and provisions of this right-of-way easement shall extend to and be binding upon the heirs, executors, administrators, personal representatives, successors, and assigns of the parties hereto.

TO HAVE AND TO HOLD the said rights and right-of-way, easements, estate and privileges over, in, through and to the above-described land unto the said Grantee, their successors and assigns forever. Grantor does hereby covenant with Grantee that Grantor is lawfully seized and possessed of the real estate above described, that Grantor has a good and lawful right to convey it, or any part thereof, that it is free from all encumbrances except the following security instruments from Marietta Lexus Auto Realty, Inc. to Comerica Bank dated 11/5/99: (a) Deed to Secure Debt recorded at Deed Book 13062, page 6, Cobb County, Georgia Records, securing an original principal obligation of \$10,500,000.00; (b) Assignment of Lessors interest in Leases recorded at Deed Book 13062, page 32, Cobb County, Georgia Records; (c) UCC-2 recorded at Deed Book 13062, page 40, Cobb County, Georgia Records; and that Grantor will forever warrant and defend the title thereto against the lawful claims of all persons whomsoever unto said Grantee, their successors and assigns.

IN WITNESS WHEREOF, Grantor has hereunto set its hand and affixed its, seal the day and year first above written.

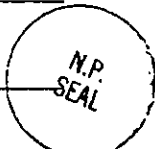
Signed, sealed and delivered in the presence of:

Marietta Lexus Auto Realty, Inc.

Sheila J. Moonshower
Witness

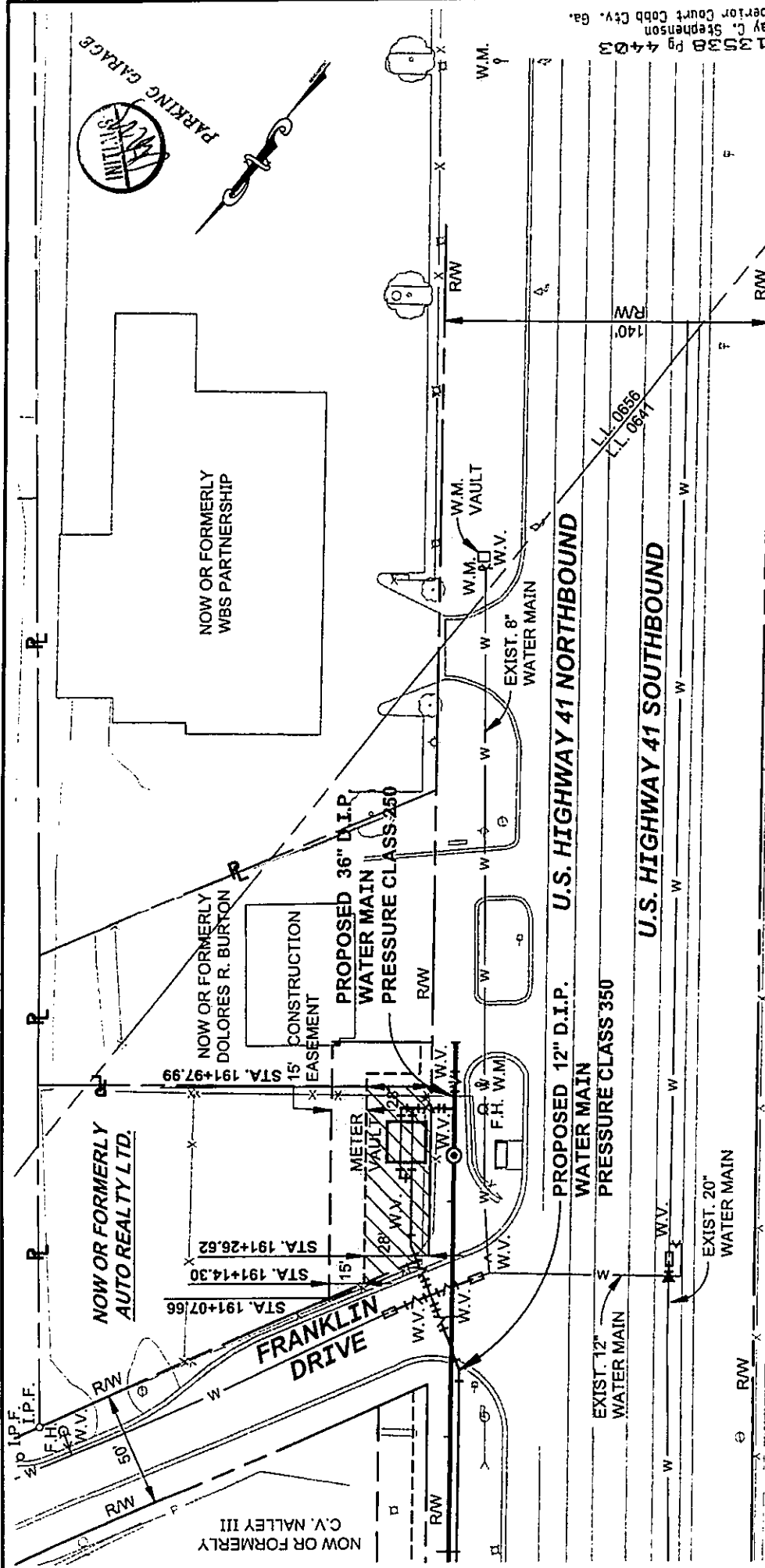
By: *[Signature]*
its President

[Signature]
Notary Public



Attest: *[Signature]*
its Asst. Sec.

My Commission Expires: Notary Public, Cobb County, Georgia
My Commission Expires July 18, 2007



Deed Book 1306B Pg 443
 Jay C. Stephenson
 Clerk of Superior Court Cobb Cty., Ga.

2157 SQ. FT. PERMANENT EASEMENT 1305 SQ. FT. CONSTRUCTION EASEMENT	REVISED 7/26/01 EXHIBIT "A"	28' PERMANENT EASEMENT 15' CONSTRUCTION EASEMENT	THROUGH THE PROPERTY OF: AUTO REALTY LTD.	84 L.F. PERMANENT EASEMENT 90 L.F. CONSTRUCTION EASEMENT
SKETCH OF PROPOSED EASEMENT AS REQUIRED BY: COBB COUNTY-MARIETTA WATER AUTHORITY		LOCATED IN LAND LOT(S): 0641 17th DISTRICT, 2nd SECTION COBB COUNTY, GEORGIA SCALE: 1" = 50' DATED: FEB., 2001 PROJECT NO. 97-437 SHEET NO. 56		WELKER & ASSOCIATES Engineers Since 1945 445 Market Street Marietta, Georgia 30060 Phone: (770) 422-1902

LEGAL DESCRIPTION
PROMENADE ASSOCIATES, LTD
TEMPORARY CONSTRUCTION EASEMENT

All that tract or parcel of land and being in land lot 849 of the 17th district, 2nd section of Cobb County, in the City of Marietta, Georgia and being more particularly described as follows:

Commence at a 1/2" rebar found at the corner common to land lots 807, 808, 848, and 849;

THENCE run along the westerly Land Lot Line of Land Lot 849, North 01 degrees 04 minutes 45 seconds East for a distance of 1189.04 feet to the intersection of said Land Lot Line and the southwesterly right-of-way line of U.S. Highway 41 (having a 150 foot right-of-way);

THENCE run along said southwesterly right-of-way line, South 37 degrees 28 minutes 57 seconds East for a distance of 1068.16 feet to the intersection of said southwesterly right-of-way line and the common line between that parcel now or formerly owned by Promenade Associates, LTD and that parcel now or formerly owned by Realty Income Corporation, said point being the POINT OF BEGINNING;

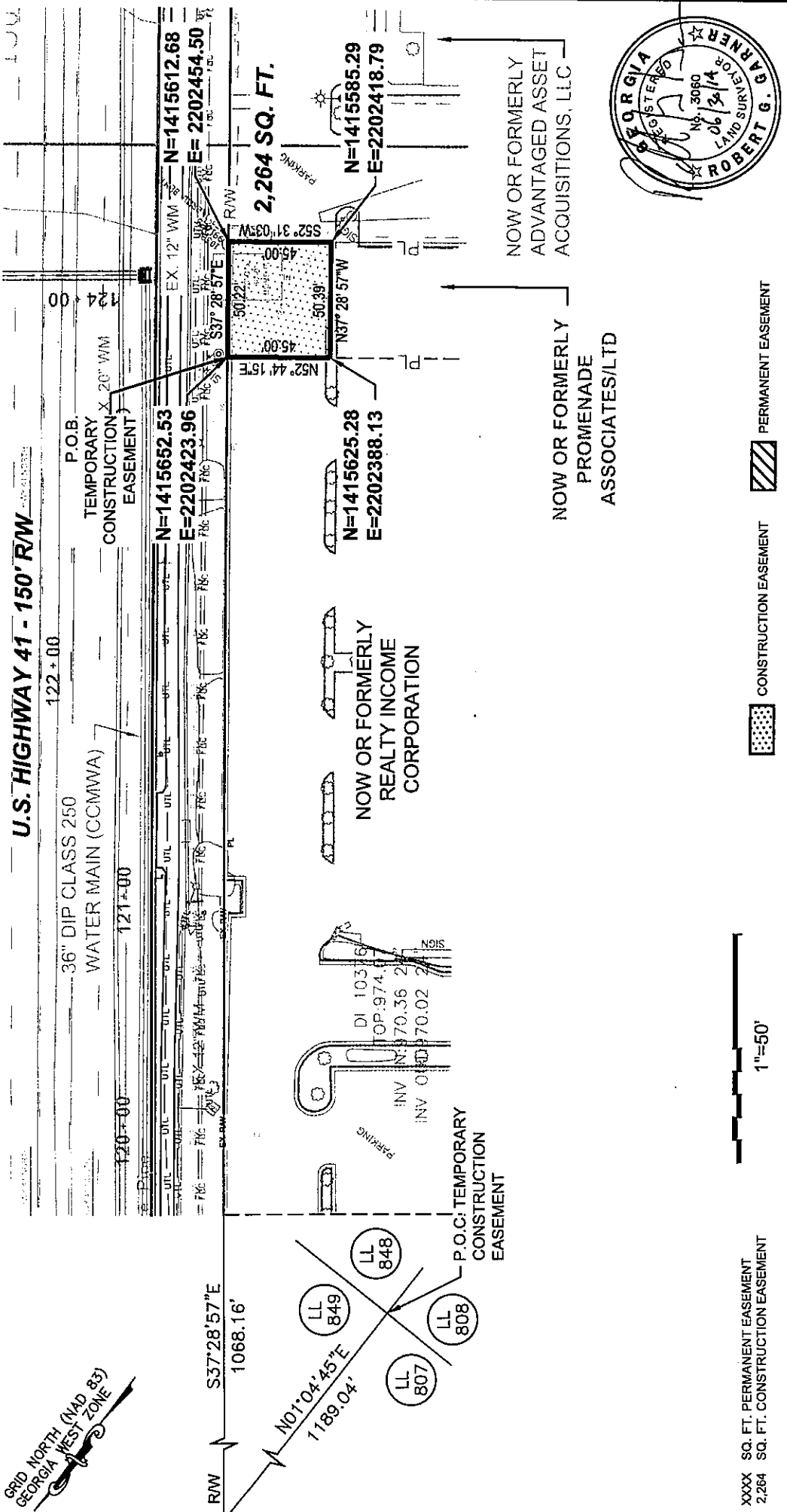
THENCE continue along said southwesterly right-of-way line, South 37 degrees 28 minutes 57 seconds East for a distance of 50.22 feet to the intersection of said southwesterly right-of-way line and the common line between that parcel now or formerly owned by Promenade Associates, LTD and that parcel now or formerly owned by Advantaged Asset Acquisitions, LLC;

THENCE leaving said southwesterly right-of-way line, run along said common line, South 52 degrees 31 minutes 03 seconds West for a distance of 45.00 feet to a point;

THENCE leaving said common line, run North 37 degrees 28 minutes 57 seconds West for a distance of 50.39 feet to a point;

THENCE run North 52 degrees 44 minutes 15 seconds East for a distance of 45.00 feet to the POINT OF BEGINNING.

Said tract or parcel of land contains 2,264 square feet more or less.



XXXX SQ. FT. PERMANENT EASEMENT
2,264 SQ. FT. CONSTRUCTION EASEMENT

XXXX L.F. PERMANENT EASEMENT
XXXX L.F. CONSTRUCTION EASEMENT

SKETCH OF PROPOSED EASEMENT AS REQUIRED BY:
COBB COUNTY
MARIETTA WATER AUTHORITY

LOCATED IN LAND LOT(S)
849
17TH DISTRICT, 2ND SECTION
COBB COUNTY, GEORGIA
SCALE: 1" = 50' DATED: 06/30/14
PROJECT NO. 100052548 SHEET NO. 1 OF 1

THROUGH THE PROPERTY OF:
PROMENADE ASSOCIATES, LTD.

ATKINS
1600 RiverEdge Pkwy, Suite 600
Atlanta, GA 30328
P: 770-933-0280 F: 770-933-8558

LEGAL DESCRIPTION
ADVANTAGED ASSET ACQUISITIONS, LLC
TEMPORARY ACCESS EASEMENT

All that tract or parcel of land and being in land lot 849 of the 17th district, 2nd section of Cobb County, in the City of Marietta, Georgia and being more particularly described as follows:

Commence at a 1/2" rebar found at the corner common to land lots 807, 808, 848, and 849;

THENCE run along the westerly Land Lot Line of Land Lot 849, North 01 degrees 04 minutes 45 seconds East for a distance of 1189.04 feet to the intersection of said Land Lot Line and the southwesterly right-of-way line of U.S. Highway 41 (having a 150 foot right-of-way);

THENCE run along said southwesterly right-of-way line, South 37 degrees 28 minutes 57 seconds East for a distance of 1280.38 feet to the intersection of said southwesterly right-of-way line and the common line between that parcel now or formerly owned by Promenade Associates, LTD and that parcel now or formerly owned by Advantaged Asset Acquisitions, LLC, said point being the POINT OF BEGINNING;

THENCE continue along said southwesterly right-of-way line, South 37 degrees 28 minutes 57 seconds East for a distance of 13.00 feet to the intersection of said southwesterly right-of-way line and the common line between that parcel now or formerly owned by Shashin Shah and that parcel now or formerly owned by Advantaged Asset Acquisitions, LLC;

THENCE leaving said southwesterly right-of-way line, run along said common line, South 52 degrees 31 minutes 03 seconds West for a distance of 45.00 feet to a point;

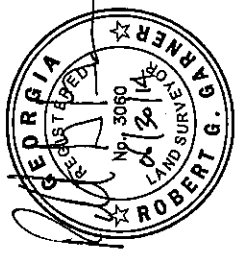
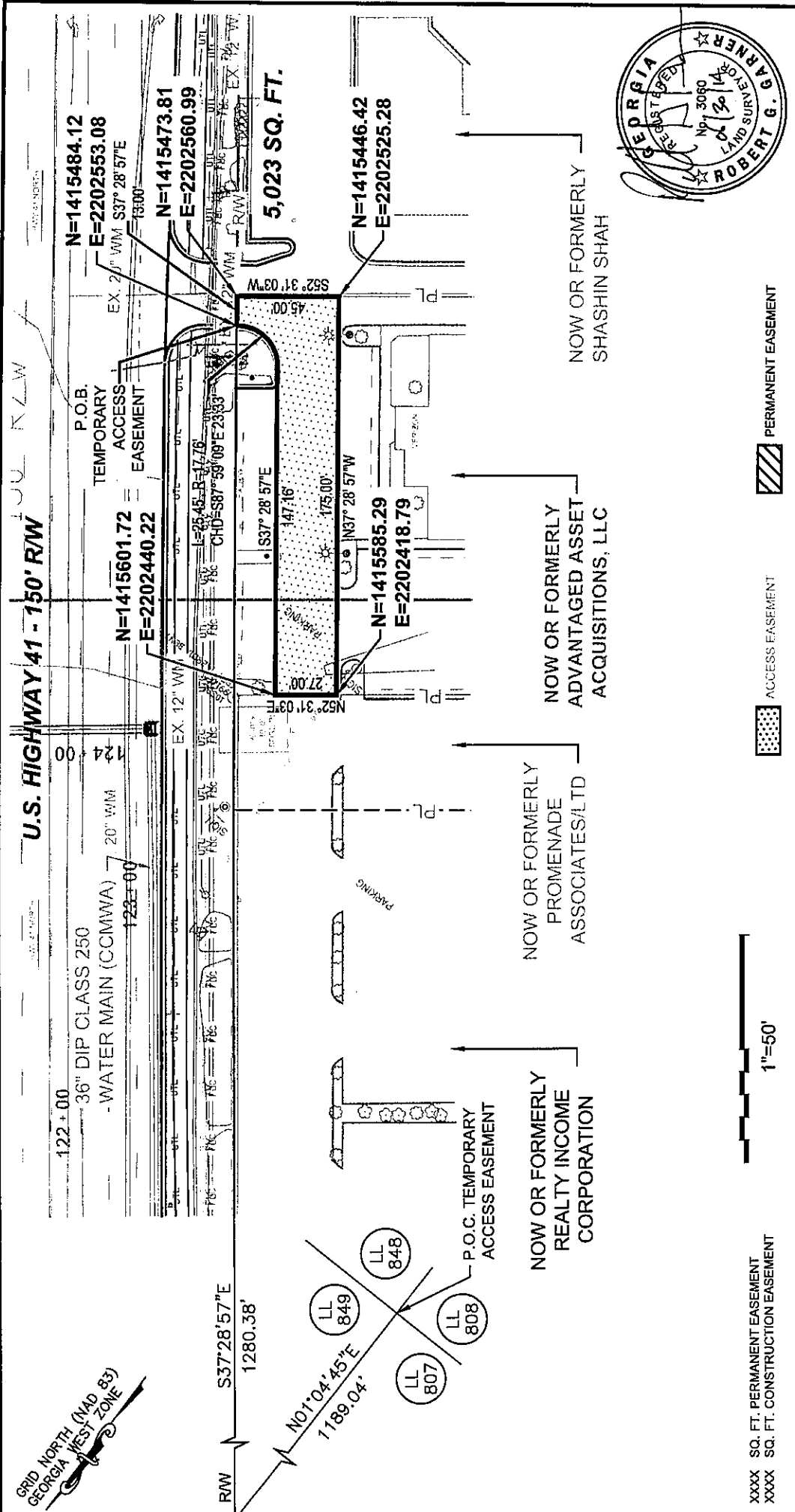
THENCE leaving said common line, run North 37 degrees 28 minutes 57 seconds West for a distance of 175.00 feet to a point on the common line between that parcel now or formerly owned by Promenade Associates, LTD and that parcel now or formerly owned by Advantaged Asset Acquisitions, LLC,

THENCE run along said common line, North 52 degrees 31 minutes 03 seconds East for a distance of 27.00 feet to a point;

THENCE leaving said common line, run South 37 degrees 28 minutes 57 seconds East for a distance of 147.16 feet to a point;

THENCE run along a curve to the left having a radius of 17.76 feet and a length of 25.45 feet, being subtended by a chord bearing South 87 degrees 59 minutes 09 seconds for a distance of 23.33 feet to the POINT OF BEGINNING.

Said tract or parcel of land contains 5,023 square feet more or less.



XXXX SQ. FT. PERMANENT EASEMENT
 XXXX SQ. FT. CONSTRUCTION EASEMENT

1"=50'



ACCESS EASEMENT



PERMANENT EASEMENT

NOW OR FORMERLY
 REALTY INCOME
 CORPORATION

NOW OR FORMERLY
 PROMENADE
 ASSOCIATES/LTD

NOW OR FORMERLY
 ADVANTAGED ASSET
 ACQUISITIONS, LLC

NOW OR FORMERLY
 SHASHIN SHAH

XXXX L.F. PERMANENT EASEMENT
 XXXX L.F. CONSTRUCTION EASEMENT

SKETCH OF PROPOSED EASEMENT
 AS REQUIRED BY:
 COBB COUNTY
 MARIETTA WATER AUTHORITY

LOCATED IN LAND LOT(S)
 849
 17TH DISTRICT, 2ND SECTION
 COBB COUNTY, GEORGIA
 SCALE: 1" = 50' DATED: 06/30/14
 PROJECT NO. 100092548 SHEET NO. 1 OF 1

THROUGH THE PROPERTY OF:
 ADVANTAGED ASSET
 ACQUISITIONS, LLC

ATKINS
 1600 RiverEdge Pkwy, Suite 600
 Atlanta, GA 30328
 P. 770-933-0280 F. 770-933-8558

LEGAL DESCRIPTION
SHASHIN SHAH
TEMPORARY ACCESS EASEMENT

All that tract or parcel of land and being in land lot 849 of the 17th district, 2nd section of Cobb County, in the City of Marietta, Georgia and being more particularly described as follows:

Commence at a 1/2" rebar found at the corner common to land lots 807, 808, 848, and 849;

THENCE run along the westerly Land Lot Line of Land Lot 849, North 01 degrees 04 minutes 45 seconds East for a distance of 1189.04 feet to the intersection of said Land Lot Line and the southwesterly right-of-way line of U.S. Highway 41 (having a 150 foot right-of-way);

THENCE run along said southwesterly right-of-way line, South 37 degrees 28 minutes 57 seconds East for a distance of 1293.38 feet to the intersection of said southwesterly right-of-way line and the common line between that parcel now or formerly owned by Shashin Shah and that parcel now or formerly owned by Advantage Asset Acquisitions, LLC, said point being the POINT OF BEGINNING;

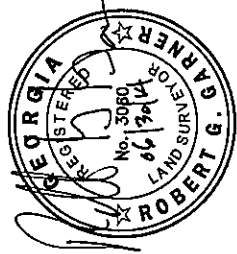
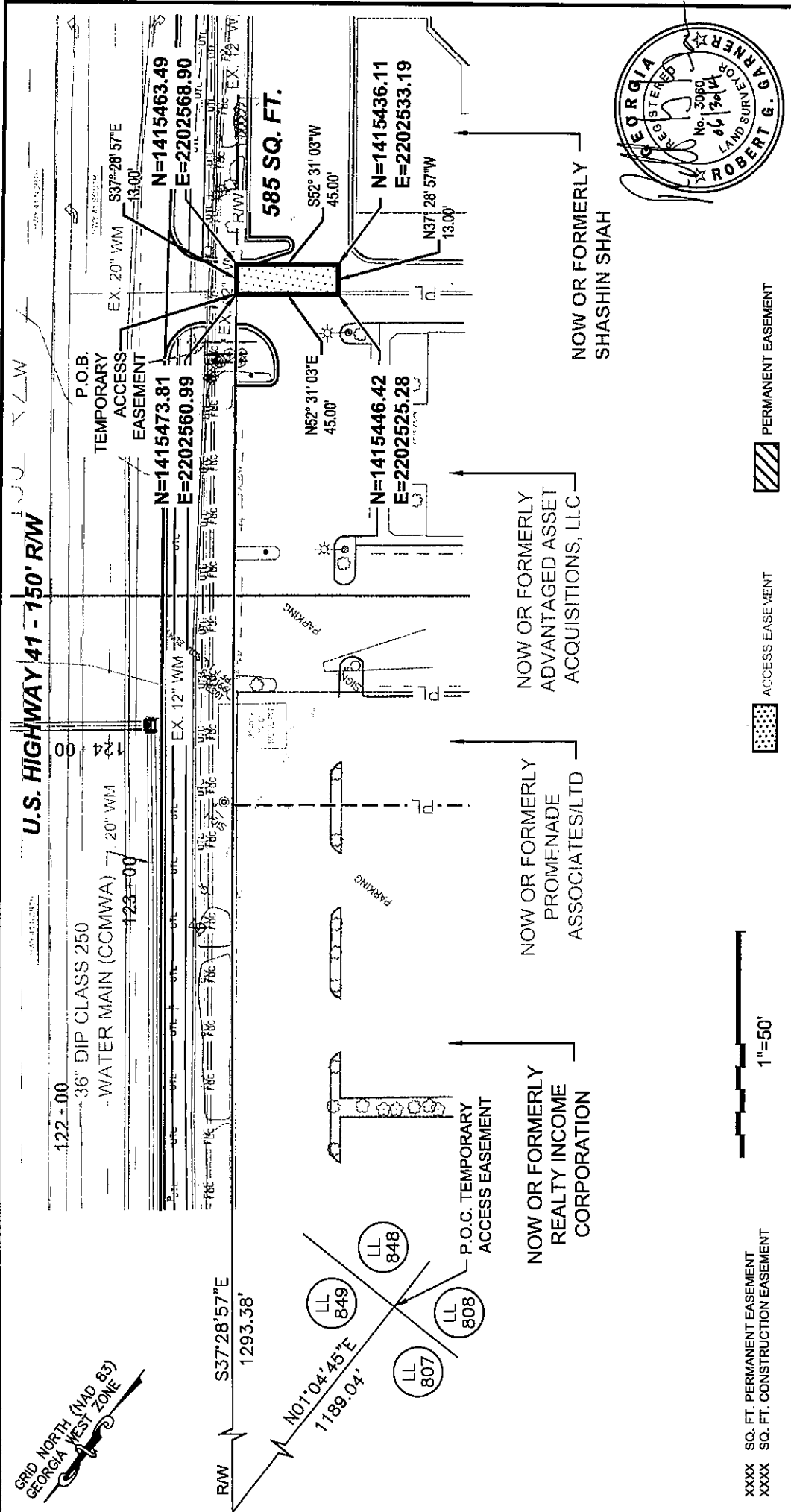
THENCE continue along said southwesterly right-of-way line, South 37 degrees 28 minutes 57 seconds East for a distance of 13.00 feet to a point;

THENCE leaving said southwesterly right-of-way line, run South 52 degrees 31 minutes 03 seconds West for a distance of 45.00 feet to a point;

THENCE run North 37 degrees 28 minutes 57 seconds West for a distance of 13.00 feet to a point on the common line between that parcel now or formerly owned by Shashin Shah and that parcel now or formerly owned by Advantage Asset Acquisitions, LLC,

THENCE run along said common line, North 52 degrees 31 minutes 03 seconds East for a distance of 45.00 feet to the POINT OF BEGINNING.

Said tract or parcel of land contains 585 square feet more or less.



NOW OR FORMERLY
SHASHIN SHAH

NOW OR FORMERLY
ADVANTAGED ASSET
ACQUISITIONS, LLC

NOW OR FORMERLY
PROMENADE
ASSOCIATES/LTD

NOW OR FORMERLY
REALTY INCOME
CORPORATION

XXXX SQ. FT. PERMANENT EASEMENT
XXXX SQ. FT. CONSTRUCTION EASEMENT

1"=50'



ACCESS EASEMENT



PERMANENT EASEMENT

<p>ATKINS 1600 RiverEdge Plkwy, Suite 600 Atlanta, GA 30328 P: 770-933-0280 F: 770-933-8568</p>	<p>THROUGH THE PROPERTY OF: SHASHIN SHAH</p>	<p>LOCATED IN LAND LOT(S) 849 17TH DISTRICT, 2ND SECTION COBB COUNTY, GEORGIA SCALE: 1" = 50' DATED: 06/30/14 PROJECT NO. 100032548 SHEET NO. 1 OF 1</p>	<p>SKETCH OF PROPOSED EASEMENT AS REQUIRED BY: COBB COUNTY MARIETTA WATER AUTHORITY</p>	<p>XXXX L.F. PERMANENT EASEMENT XXXX L.F. CONSTRUCTION EASEMENT</p>
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