



Engineering Services Committee Meeting Committee Room- 8/24/2009- 1:15 PM

ENGINEERING SERVICES

1. Approve Change Order #1 to the existing design contract to Tetra Tech RTW, Inc. in the amount of \$61,812.00. These funds will be used to analyze Boardman Lake Sanitary Sewer lift station on Fort Gordon and to perform a radio path survey for Augusta Utilities to install a radio network to interface with Fort Gordon's existing SCADA system. ☐ [Attachments](#)
2. Approve the execution of the Georgia Power easement and Underground Distribution Construction Agreement for the Solid Waste Facility. ☐ [Attachments](#)
3. Motion to determine that a portion Pearl Avenue, Browns Lane, Crescent Lane, and Crescent-Brown Alley, as shown on the attached plat and designated thereon as Tracts F, G, H, and I respectively, have ceased to be used by the public to the extent that no substantial public purpose is served by it, and a public hearing shall be held regarding the issue of abandonment pursuant to O.C.G.A. § 32-7-2. ☐ [Attachments](#)
4. Approve standardized permapave design for tree wells on Broad Street. DDA will work with the City of Augusta to install with \$20,000 SPLOST funding. ☐ [Attachments](#)
5. Motion to authorize condemnation to acquire title of a portion of property for permanent easements and temporary construction easement for the 60107 - Butler Creek Sanitary Sewer Replacement - East Project. PIN: 144-0-021-03-0 and 144-0-021-03-0 Pircle Lane. ☐ [Attachments](#)
6. Motion to approve and accept an Easement Deed from Solutia, Inc. ☐ [Attachments](#)

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**Engineering Services Committee Meeting
8/24/2009 1:15 PM**

Approve Change Order #1 to the existing Design Contract for Augusta Utilities Department Project to Analyze the Lift Stations for Rehabilitation and Replacement for Fort Gordon

Department: Augusta Utilities Department

Caption: Approve Change Order #1 to the existing design contract to Tetra Tech RTW, Inc. in the amount of \$61,812.00. These funds will be used to analyze Boardman Lake Sanitary Sewer lift station on Fort Gordon and to perform a radio path survey for Augusta Utilities to install a radio network to interface with Fort Gordon's existing SCADA system.

Background: The Privatization of Water/Wastewater Utilities contract between Fort Gordon and Augusta Richmond County was awarded September 2007. Requirements of the contract include executing Initial Capital Upgrades (ICU) and Renewal and Replacement (R & R) projects for the water and wastewater systems throughout Fort Gordon. Augusta Utilities has requested Tetra Tech RTW, Inc. perform a radio path survey to determine radio type, frequency and proper installations necessary to network twenty sanitary sewer lift stations and five permanent wastewater flow meter sites which are located throughout the installation. Augusta Utilities Department has also identified the need to replace one existing sanitary sewer lift station. The Boardman Lake lift station is currently receiving wastewater from six residences and pumps it to a common drain field. As part of this change order, Tetra Tech RTW, Inc. will design a new sanitary sewer lift station which will eliminate the common drain field and discharge wastewater to an existing sanitary sewer main for treatment.

Analysis: Augusta Utilities Department has evaluated the proposal for additional engineering services and the radio path survey that has been provided by Tetra Tech RTW, Inc. The proposal is considered fair and reasonable.

Financial Impact: The amount submitted for the design of this project was \$61,812.00. These funds are available from account 507043410-5425110 / 88880102-5425110

Alternatives: Approve the change order #1 to the existing engineering contract to Tetra Tech RTW to Analyze the additional Lift Stations for Rehabilitation and Replacement and Radio Path Study.

Recommendation: Recommend to approve change order #1 of the existing design contract to analyze the Lift Stations for Rehabilitation and Replacement to Tetra Tech RTW at \$61,812.00

Cover Memo

Funds are Available in

**the Following
Accounts:**

507043410-5425110 / 88880102-5425110 from account \$61,812.00

REVIEWED AND APPROVED BY:

Finance.

Procurement.

Law.

Administrator.

Clerk of Commission



TETRA TECH

Mr. Stanley Aye
Project Engineer
360 Bay Street, Ste 180
Augusta, GA 30901

July 15, 2009
133-29106-09001
SL# 37433

Reference: ICU-0074, Fort Gordon Lift Stations
Tt Ref: 133-29106-09001

Dear Mr. Aye:

This letter is to offer a proposal to provide additional services for Project ICU-0074, Fort Gordon Lift Stations as previously discussed. These additional services are as follows:

Radio Path Study

Tetra Tech, working with Lord & Company, Inc., will perform a Radio Path Survey to determine radio type, frequency, proper alignment and elevations necessary to network (20) lift station sites and (5) permanent wastewater flowmeter sites. It is anticipated that the Master Radio Site will be at the elevated water tank on Fort Gordon. The detail of our Engineering Service offering is as follows:

1. Develop a schedule and plan of action for visiting the 20 lift station sites. The plan will detail all equipment and procedures that will be utilized. The schedule will be coordinated with AUD staff.
2. Determine and document remote site grade elevations, latitude, and longitude information for survey use.
3. Perform and provide software (paper) RF path survey results.
4. Provide an actual physical radio path survey. Temporarily install test radios as possible and feasible, antennas, cabling, and appurtenances as required for the survey.
5. From the Elevated Tank test each remote location to verify adequate signal strength and fade margin is received.
6. Document potential interference sources for the system and provide recommendations to resolve or eliminate potential problems.
7. We will begin testing at low elevations and raise the antenna to multiple antenna heights, up to what a reasonable lift and our telescoping antenna



TETRA TECH

mast will provide (approximately 70-80 feet) until acceptable signal levels are obtained or options are exhausted.

8. Provide the manufacturer, model, and type of recommended radio, antenna, cabling and appurtenances for specifying as part of future bidding documents.
9. The report will include the following:
 - a. Document model and type of all test equipment, radios, cabling, and antennas used during the survey.
 - b. Document the date, time, and environmental conditions at each site when successfully tested.
 - c. Record radio receiver signal strength in db, radio transmitter RF output.
 - d. Recommended fade margin and actual fade margin.
 - e. Document tested antenna height for each signal path and recommend minimum antenna height.
 - f. Document Path Length in miles, antennal direction to master site, etc.
 - g. We shall provide a recommendation summary for each RF path for the system for continuous successful wireless operation.
10. Document and provide all diagnostic results and site feasibility in Detailed Professional Documentation and Reports in PDF file format.

Boardman Lake Lift Station

The Boardman Lake Lift Station currently receives septic tank effluent from approximately six residences and pumps it to a common drainfield. Augusta Utilities Department has identified the need to replace the lift station and pump the effluent to the sanitary sewer in Maglin Terrace. Tetra Tech will design a new station outfitted with grinder pumps and a force main along Boardman Lake road to accomplish this objective.



TETRA TECH

Tetra Tech proposes to provide the services described above for a lump sum fee of \$61,812. A fee breakdown is attached for your reference.

Please contact me if you have questions or comments,

Very Truly Yours,

Tom D. Wiedmeier, P.E.
Vice President / Senior Project Manager

enclosure

TDW/ecc

Price Summary

133-29106-09001 Fort Gordon Lift Stations



TETRA TECH

Additional scope

Rev Date: 04/23/09

Work Breakdown Structure		Price Breakdown					
Task Number	Task Name	Total Labor Hours	Labor	Subs/Contract Labor	ODCs	Travel	Mat'l's & Equip
Totals		104	16,239	45,573			61,812
1	Radio Path Analysis	16	2,716	39,325			42,041
2	Boardman Lake Lift Station	88	13,523	6,248			19,771
	Design	76	11,414	3,168			
	Survey	12	2,109	3,080			
Totals		104	16,239	45,573			61,812



**Engineering Services Committee Meeting
8/24/2009 1:15 PM**

Approve the execution of the Georgia Power easement and Underground Distribution Construction Agreement for the Solid Waste Facility.

Department:	Solid Waste
Caption:	Approve the execution of the Georgia Power easement and Underground Distribution Construction Agreement for the Solid Waste Facility.
Background:	The Augusta Richmond County Solid Waste Facility is currently under construction - making necessary upgrades to the facility. No tax dollars are being used to pay for these upgrades in the facilities and site communications. Parts of these upgrades include the installation of underground utilities along a section of the property. In order to complete these activities, Georgia Power requires the execution of a standard Easement Agreement and a Construction Agreement.
Analysis:	The Easement Agreement as well as the Construction Agreement is required to be executed prior to work commencing on this section of the project. The easement simply provides for Georgia power access to the underground utilities. The construction agreement gives permission to Georgia Power to set the electrical service according to the pre-approved construction plans. The underground utilities are necessary at this location because of the amount of large equipment that will be moving around the facility.
Financial Impact:	None
Alternatives:	1. Approve the execution of the Agreements 2. do not approve the execution of the Agreements
Recommendation:	Alternative 1.
Funds are Available in the Following Accounts:	not applicable

REVIEWED AND APPROVED BY:

**Finance.
Law.
Administrator.
Clerk of Commission**

Easement

STATE OF GEORGIA,		Name of Line.	AUGUSTA AREA #6
RICHMOND	County	Account No.	GP300E04009

Received of GEORGIA POWER COMPANY, hereinafter called the Company, the sum of One Dollar (\$1.00), in consideration of which RICHMOND COUNTY LANDFILL (Undersigned) whose Post Office Address is 4330 DEANS BRIDGE ROAD AUGUSTA, GA 30906 do(es) hereby grant and convey to said Company, its successors and assigns, the right, privilege and easement to go in, upon, along, across and under that tract of land owned by the Undersigned in Land Lot(s) Number _____ of the _____ Land District, _____ RICHMOND County, State of Georgia, known as 4330 DEANS BRIDGE ROAD

(street address) and said lands being more particularly described on a plat marked "Exhibit A" attached hereto and made a part hereof, together with the right to construct, operate, and maintain continuously upon and under said land, its lines for transmitting electric current, with poles, wires, transformers, service pedestals, and other necessary apparatus, fixtures and appliances, including the right to stretch communication wires on said poles, or under said lands with necessary appliances; with the right to permit the attachment of the wires and appliances of any other company, or person, to said poles; together with the right at all times to enter upon said premises for the purpose of inspecting said lines, making repairs, renewals, alterations and extensions thereon, thereunder, thereto or therefrom; together with the right to cut away and keep clear of said overhead or underground lines, transformers, fixtures and appliances, all trees and other obstructions that may in the opinion of the Company now or hereafter in any way interfere or be likely to interfere with the proper operation of said overhead or underground lines, transformers, fixtures, and appliances; also the right of ingress and egress over said land to and from said lines. Any timber cut on said land by or for said Company shall remain the property of the owner of said timber.

The undersigned does not convey any land, but merely grants the rights, privileges and easements hereinbefore set out.

Said Company shall not be liable for nor bound by any statement, agreement or understanding not herein expressed.

IN WITNESS WHEREOF, the said _____ undersigned _____
 ha hereunto set hand(s) and seal(s) this _____ day of _____, 20____.

Signed, sealed and delivered in the presence of:

_____ Witness	_____ property owners signature	(SEAL)
_____ Notary Public	_____ print name / title (if applicable)	(SEAL)

This easement is to be signed in the presence of two(2) witnesses, one of whom must be a Notary Public



Underground Distribution Construction Agreement

PROJECT / CUSTOMER: RICHMOND COUNTY LANDFILL
LOCATION: 4330 DEANS BRIDGE ROAD
DEVELOPER / CUSTOMER: MARK JOHNSON
AREA OF CONSTRUCTION: Entire development

Customer / Developer does hereby attest that the above referenced area of construction in which underground electric distribution facilities are to be installed is clear of all obstructions; that all property lines, where required, are clearly marked and that the area is finished to a grade which shall not change more than three (3 +/-) inches of the final grade.

Georgia Power Company, its employees, and contractors working on this project are hereby released from all claims due to damage of underground facilities that have not been located in the field and that are not covered by the "Utilities Protection Act of Georgia".

Customer / Developer does hereby agree to bear any and all costs to alter the installed underground electric distribution facilities as a result of grade changes or Developer design changes.

Customer / Developer shall be responsible for providing Georgia Power Company a clear unpaved route where underground electric distribution facilities can be installed. If this area is paved and conduit has not been installed, before Georgia Power Company facilities are installed the Developer shall be responsible for opening and re-paving the area required by Georgia Power Company.

Customer / Developer shall be responsible to communicate with contractors and subcontractors warning them of underground electric distribution facilities in the area and for notifying the Georgia Power Company by calling the Utilities Protection Center at (770) 623-4344 or 1-800-282-7411 at least three (3) working days in advance to locate underground electric distribution facilities before digging or grading in the vicinity of installed underground electrical facilities. If Georgia Power Company is not notified, and the underground electric distribution facilities are damaged, then the Developer shall bear the cost of repairs. Should underground electric distribution facilities become damaged in any way, Customer / Developer will notify the Georgia Power Company at phone #1-888-660-5890 and the Utilities Protection Center at 1-800-242-7411.

Developer will establish and maintain the appropriate clearances for the transformer(s) on this site per Georgia Power Company Distribution Specification DSP07012, dated 1/1/97. Electric service will not be provided until this specification is satisfied.

Georgia Power Company is not responsible for any damages to locks, gates, fences, walls, vehicles, equipment, trees, landscaping, sidewalks, or any other items that inhibit Georgia Power's access to the poles, cables, transformers, metering, or other equipment serving this site. This includes routine or emergency access of all equipment and personnel.

APPROVED

DATE

PRINT NAME

TITLE

COMPANY

Release for Construction Agreement

To release RICHMOND COUNTY LANDFILL for construction, all
of the following items must be verified complete, this form signed and returned to the address below:

- The Underground Distribution Construction Agreement has been signed by the Customer / Developer.
- The \$ 575 per service point underground service fee (where applicable) and any other CIAC has been
- The easement has been signed and properly witnessed by the Property Owner.
- Lot Corners have been marked on the curb with paint in lieu of permanent property pins.
- Clearance behind the curb of 12 feet is level with curb and free from obstructions and within three (3)
inches of final grade.
- Sewer laterals, water lines and any other privately owned facilities are adequately located and plainly
- Paving and curbing or final grading, as applicable, is complete.
- The property owner / developer approves the distribution design and lighting represented on GPC's
construction print.

Removal of unforeseen obstructions and supply of suitable backfill material,

 A) will be provided by the Developer / Customer. The Developer / Customer agrees to remove rock and
have suitable backfill available during construction while ensuring there are no construction delays.

-or-

 B) will be provided for by Georgia Power crews / contractors. The Developer / Customer may be billed
for any additional charges that GPC incurs for the rock removal and select dirt for backfill charged to
Georgia Power if actual costs exceed cost allowances.

Erosion, Sedimentation, and Pollution Control Plan.

The Developer's Storm Water Pollution Prevention Plan (SWPPP) is in place and available for review. A
certification Statement is available for GPC or its subcontractor to sign on the Developer's SWPPP. This
project:

 A) requires a NOI and a copy is enclosed.

-or-

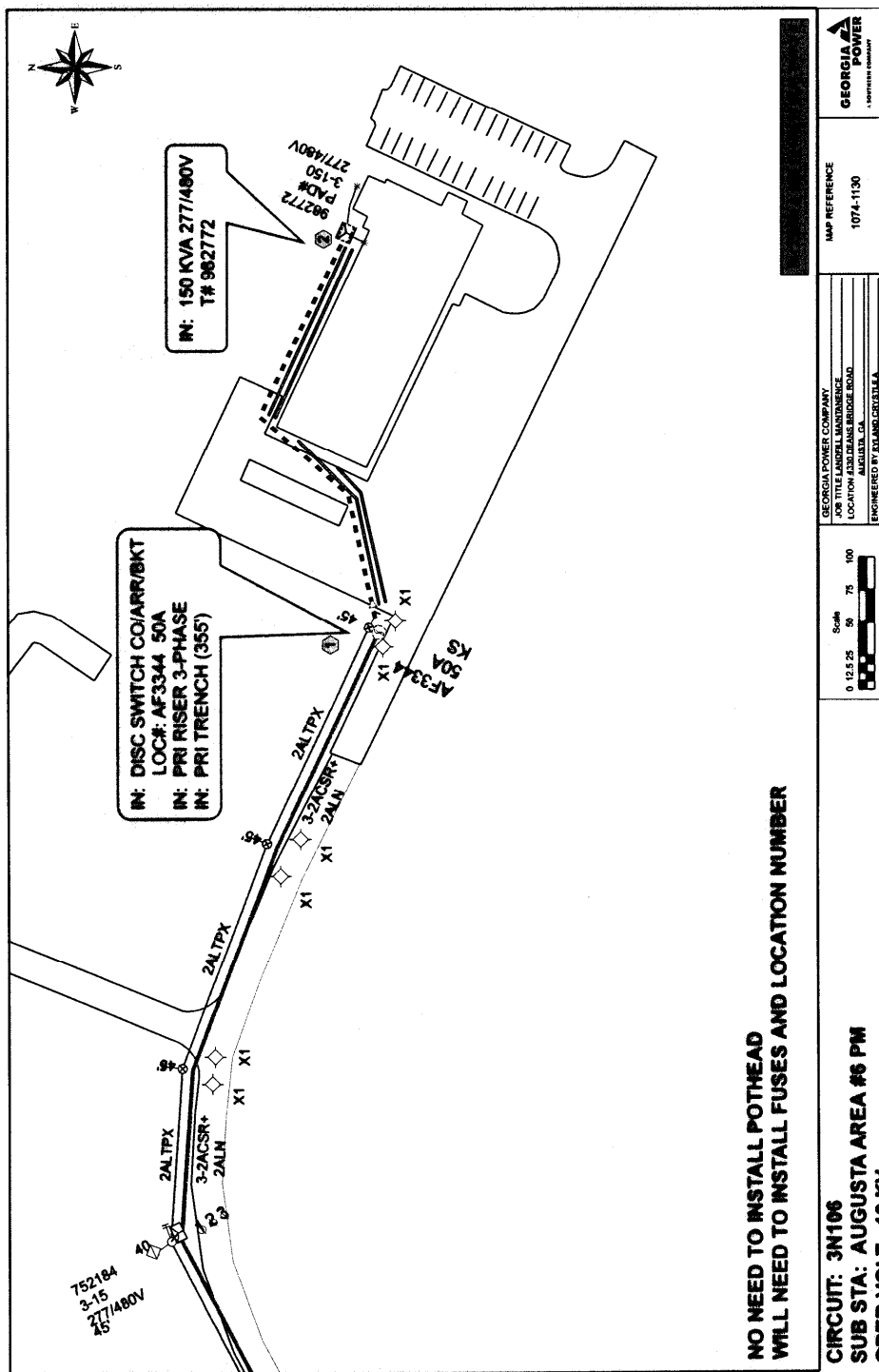
 B) will not have land disturbance activities to more than one (1) acres of land in the common
development or it will not trigger any other requirements of the Georgia Water Quality Control
Act.

GPC scheduling meetings are usually held weekly. After being released for construction, the job will be
scheduled and the Customer / Developer will be notified of the proposed start date.

Developer Print Name:

Developer Signature:

Phone Number:





Electric Service Information Sheet

Project: RICHMOND COUNTY LANDFILL
Location: 4330 DEANS BRIDGE ROAD
Developer: MARK JOHNSON
Area of Construction: Entire Development as described on Exhibit A of Easement

Georgia Power Company (the Company) will install electrical service in the above project provided the Developer (and builders, contractors, successors, and assigns of the property owner to which the Developer is fully responsible) meets the following terms and conditions:

Approved Plat

The Developer / Customer should supply a final plat of the development plan, approved by the appropriate local governmental agency, to the Company representative listed below a minimum of six weeks prior to construction. This allows time for engineering, drafting, obtaining materials, and obtaining permits.

Easements

The property owner must sign an easement form for any line extension on a property before construction may begin. Sale of individual lots before the easement is filed with the County will require additional easements and Electric Service Agreements from the new property owner(s).

Method of Service

The areas of underground installations by the Company as shown on the Company's print, including underground cables, transformers, street lights, and service points to buildings are fully acceptable to the Developer / Customer. The Developer / Customer does hereby agree to bear any and all costs to alter installed underground utilities as a result of grade changes or design changes, including the installation of sidewalks.

Prepared Site

The Developer / Customer shall attest that the above referenced area of construction (in which underground utilities are to be installed as shown on the Company's print) is clear of all obstructions, and that a width of 15ft. behind the curb or edge of pavement is reasonably level with the curb or edge of pavement, and within three inches of final grade. All lot corners and associated lot numbers shall be clearly marked with paint on the curb or surveyed wooden stakes in lieu of permanent property pins. Cable will be installed at 20 ft. behind the curb or edge of pavement/roadway in Richmond County. The Company shall delay cable installation until this clearance is satisfactory.

Trench Location

The Developer / Customer is responsible for providing a clear path (as specified on the Company's print) for trenching and/or backhoe use. The Company will work with the Developer / Customer, to minimize rock blasting, rock removal and the furnishing of acceptable back-fill dirt free from rock debris. Unforeseen obstructions may result in charges to the Developer / Customer or require work to be performed by the Developer / Customer.

Services to Buildings

The Developer / Customer shall adhere to the latest version of Georgia Power's Electrical Service and Metering Installation Book. The clear path requirement is also applicable to the installation of the service conductors from the street to the house, which requires a clear path at least twenty-four (24) inches in depth of final grade. The Developer / Customer further agrees to inform any future owners, builders, etc. of this responsibility. Locations of the metering points are the shortest path from the transformer / street "stub out" to the building as shown on the construction print. Services that require excessive trenching, back-hoe or hand digging due to obstructions, walls or slopes may require additional charges. The Developer / Customer shall agree to bear any and all costs to alter services location as a result of grade or design changes.

Service Confirmation

The Developer / Customer shall notify the Company of the electrical load requirements of all services. The Developer / Customer may be required to sign a form indicating agreement with Georgia Power's plan for electrical service. This service confirmation form typically addresses service voltage requirements, metering requirements, and location of electrical facilities.

Street Crossings

The Company may have the need to install 4" PVC road crossings (up to 3 conduits required if joint trench with Telephone Company). The Developer shall be responsible for notifying the Company at least two weeks before paving areas where underground utilities are to be installed or the developer can install the crossings according company specifications. If this area is paved before the Company has a reasonable opportunity to install the utilities, the Developer shall be responsible for opening and re-paving the area for utility installation or for costs to bore under paved areas or may install road crossings if approved by the Company. If the Company is required to install crossings during inclement weather conditions, the Developer is responsible for compaction.

Underground Locations

The Developer shall agree to mark any and all privately owned underground facilities not covered by the Utilities Protection Center and releases Georgia Power Company, its employees and its contractors from any and all claims due to damage to such underground facilities which have not been marked.

Utilities Protection Center

The Developer in accordance with the Utilities Protection Act, shall notify the UPC at 770-623-4344 or 1-800-282-7411 at least 72 hours (counting only working days) before excavating or work within 10 feet of energized power lines. The cost of repair to damaged underground utilities will be borne by the party responsible for the damage. Should there be any damage, potential for damage, or conflict with another installation, the Developer shall notify the Company.

Fees for Electric Service

\$ 575.00

The Developer shall pay the underground service fee of ~~\$450.00~~ per residential service point, and any other fees, which may be imposed in order to obtain underground electrical service. All temporary construction services will incur a \$50 service charge on the first bill for setting meters. Additional temporary service charges may apply if the cost of the job exceeds the revenue ratio requirements. The Company will not begin work until payment is received.

Notification

Developer will notify in writing when the development is ready for construction. Once released for construction, the developer will be notified of the intended construction start date.

Erosion, Sedimentation, and Pollution Control Plan

The Developer shall notify the Company if this project is subject to EPD Storm Water regulations. Projects with a common plan of development requiring land disturbance activities of more than five acres require the Developer to be a Primary Permittee. Projects that are part of a previous common plan of development of more than five acres require the Developer to be a Tertiary Permittee. In either case, the Company shall be provided with a copy of the project Erosion, Sedimentation, and Pollution Control Plan, or that portion of the plan related to the Company's work. The Company requires a minimum of three weeks to file a Notice of Intent with EPD to be a Secondary Permittee on the development.

The Company will only be responsible for meeting the requirements of the Erosion, Sedimentation and Pollution Control Plan as agreed to by the Developer and the authorized Company employee. Normally, only seed and straw will be used to meet the plan. Any other re-landscaping requirements will be provided by the developer.

The Developer understands that this project will not be released for construction until all items above are complete and the release for construction agreement is signed and returned.



**Engineering Services Committee Meeting
8/24/2009 1:15 PM**

**Determination of whether a portion of Pearl Avenue, Browns Lane, Crescent Lane, and Crescent-Brown Alley serve of
substantial Public for purposes of abandonment**

Department: Law Department

Caption: Motion to determine that a portion Pearl Avenue, Browns Lane, Crescent Lane, and Crescent-Brown Alley, as shown on the attached plat and designated thereon as Tracts F, G, H, and I respectively, have ceased to be used by the public to the extent that no substantial public purpose is served by it, and a public hearing shall be held regarding the issue of abandonment pursuant to O.C.G.A. § 32-7-2.

Background:

The Salvation Army purchased several properties in efforts to develop the Kroc Center. In doing so, the Salvation Army became the sole owner of properties surrounding the subject roads and right-of-ways.

Analysis: The Salvation Army is now the sole owner of the properties surrounding the streets and right-of-ways under review. The subject roads no longer serve a public benefit, making them eligible for abandonment. Such abandonment should be subject to any easements or restrictions deemed necessary by the Augusta-Richmond County Engineering and Utilities Departments.

Financial Impact: none

Alternatives: (1) Grant motion (2) Deny motion

Recommendation: Deem the subject roads to serve no substantial public purpose and continue abandonment procedures pursuant to O.C.G.A. § 32-7-2.

**Funds are Available in
the Following Accounts:**

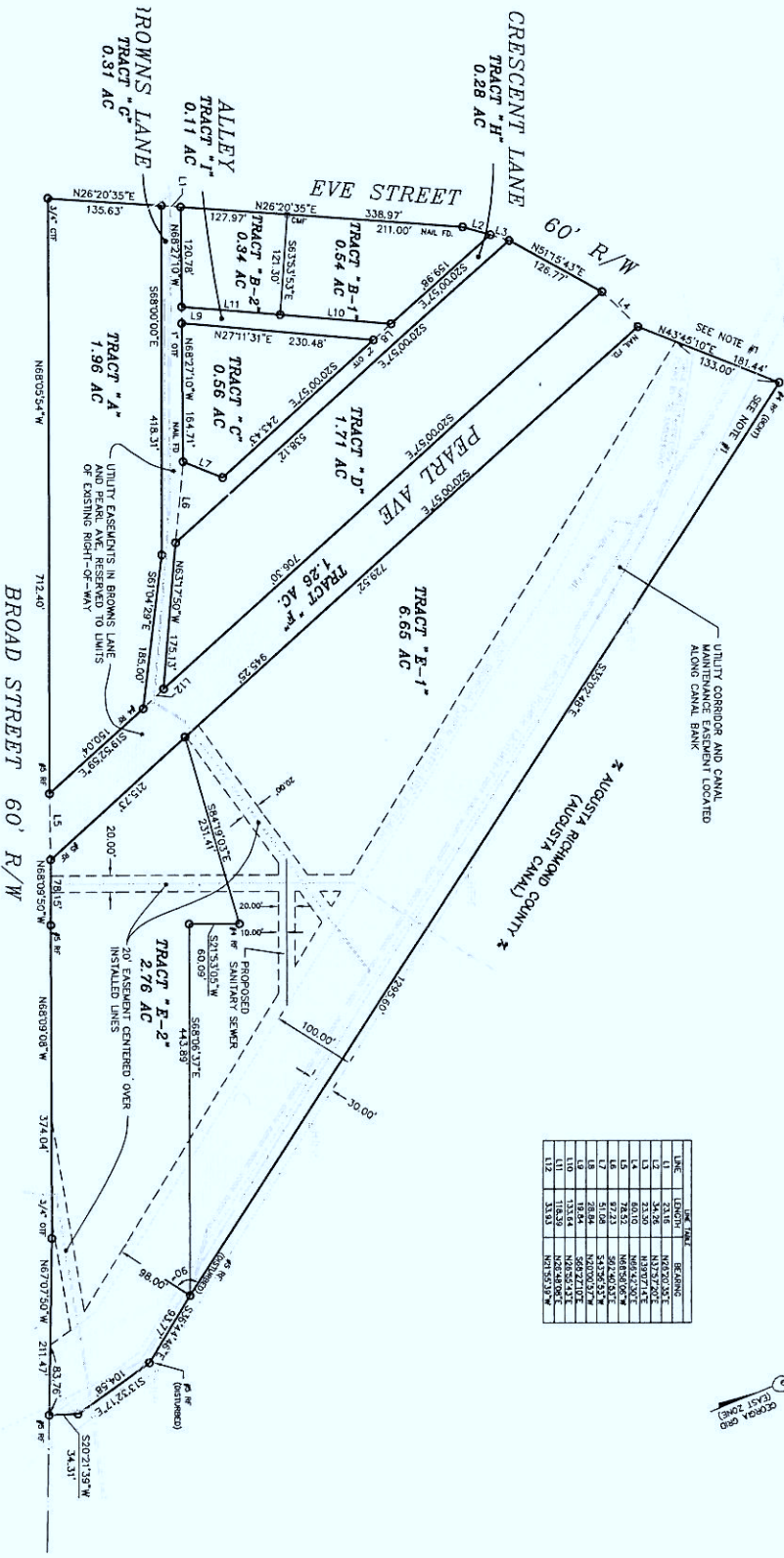
REVIEWED AND APPROVED BY:

**Finance.
Law.
Administrator.
Clerk of Commission**

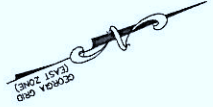
TECHNICAL DATA
DATE OF SURVEY - 3/7/09
LOCALITY - AUGUSTA, GEORGIA
PROJECT - 1 in 181,881
PLAT CLOSURE - 1 in 201,846 (TRACT "A")
1 in 201,846 (TRACT "B")
1 in 201,846 (TRACT "C")
1 in 201,846 (TRACT "D")
1 in 201,846 (TRACT "E")
1 in 201,846 (TRACT "F")
1 in 201,846 (TRACT "G")
1 in 201,846 (TRACT "H")
1 in 201,846 (TRACT "I")
1 in 201,846 (TRACT "J")
1 in 201,846 (TRACT "K")
1 in 201,846 (TRACT "L")
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1 in 201,846 (TRACT "S")
1 in 201,846 (TRACT "T")
1 in 201,846 (TRACT "U")
1 in 201,846 (TRACT "V")
1 in 201,846 (TRACT "W")
1 in 201,846 (TRACT "X")
1 in 201,846 (TRACT "Y")
1 in 201,846 (TRACT "Z")

- NOTES:**
- The property line along the Augusta Canal and Eve Street at the Augusta Canal are subject to approval by the Augusta - Richmond County Commission and Augusta Canal Authority prior to conveyance.
 - All improvements not shown.
 - All utilities not shown.

- REFERENCES:**
- Realty Book 35.5, Page 933
 - Realty Book 35.5, Page 934
 - Realty Book 35.5, Page 935
 - Realty Book 35.5, Page 936
 - Realty Book 35.5, Page 937
 - Realty Book 35.5, Page 938
 - Realty Book 35.5, Page 939
 - Realty Book 35.5, Page 940
 - Realty Book 35.5, Page 941
 - Realty Book 35.5, Page 942
 - Realty Book 35.5, Page 943
 - Realty Book 35.5, Page 944
 - Realty Book 35.5, Page 945
 - Realty Book 35.5, Page 946
 - Realty Book 35.5, Page 947
 - Realty Book 35.5, Page 948
 - Realty Book 35.5, Page 949
 - Realty Book 35.5, Page 950
 - Realty Book 35.5, Page 951
 - Realty Book 35.5, Page 952
 - Realty Book 35.5, Page 953
 - Realty Book 35.5, Page 954
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 - Realty Book 35.5, Page 963
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 - Realty Book 35.5, Page 967
 - Realty Book 35.5, Page 968
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 - Realty Book 35.5, Page 997
 - Realty Book 35.5, Page 998
 - Realty Book 35.5, Page 999
 - Realty Book 35.5, Page 1000



LINE	LENGTH	BEARING
1	23.16	N43°45'10"E
2	23.16	N43°45'10"E
3	23.16	N43°45'10"E
4	23.16	N43°45'10"E
5	23.16	N43°45'10"E
6	23.16	N43°45'10"E
7	23.16	N43°45'10"E
8	23.16	N43°45'10"E
9	23.16	N43°45'10"E
10	23.16	N43°45'10"E
11	23.16	N43°45'10"E
12	23.16	N43°45'10"E
13	23.16	N43°45'10"E
14	23.16	N43°45'10"E
15	23.16	N43°45'10"E
16	23.16	N43°45'10"E
17	23.16	N43°45'10"E
18	23.16	N43°45'10"E
19	23.16	N43°45'10"E
20	23.16	N43°45'10"E
21	23.16	N43°45'10"E
22	23.16	N43°45'10"E
23	23.16	N43°45'10"E
24	23.16	N43°45'10"E
25	23.16	N43°45'10"E
26	23.16	N43°45'10"E
27	23.16	N43°45'10"E
28	23.16	N43°45'10"E
29	23.16	N43°45'10"E
30	23.16	N43°45'10"E
31	23.16	N43°45'10"E
32	23.16	N43°45'10"E
33	23.16	N43°45'10"E
34	23.16	N43°45'10"E
35	23.16	N43°45'10"E
36	23.16	N43°45'10"E
37	23.16	N43°45'10"E
38	23.16	N43°45'10"E
39	23.16	N43°45'10"E
40	23.16	N43°45'10"E
41	23.16	N43°45'10"E
42	23.16	N43°45'10"E
43	23.16	N43°45'10"E
44	23.16	N43°45'10"E
45	23.16	N43°45'10"E
46	23.16	N43°45'10"E
47	23.16	N43°45'10"E
48	23.16	N43°45'10"E
49	23.16	N43°45'10"E
50	23.16	N43°45'10"E
51	23.16	N43°45'10"E
52	23.16	N43°45'10"E
53	23.16	N43°45'10"E
54	23.16	N43°45'10"E
55	23.16	N43°45'10"E
56	23.16	N43°45'10"E
57	23.16	N43°45'10"E
58	23.16	N43°45'10"E
59	23.16	N43°45'10"E
60	23.16	N43°45'10"E
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63	23.16	N43°45'10"E
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65	23.16	N43°45'10"E
66	23.16	N43°45'10"E
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69	23.16	N43°45'10"E
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75	23.16	N43°45'10"E
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78	23.16	N43°45'10"E
79	23.16	N43°45'10"E
80	23.16	N43°45'10"E
81	23.16	N43°45'10"E
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83	23.16	N43°45'10"E
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85	23.16	N43°45'10"E
86	23.16	N43°45'10"E
87	23.16	N43°45'10"E
88	23.16	N43°45'10"E
89	23.16	N43°45'10"E
90	23.16	N43°45'10"E
91	23.16	N43°45'10"E
92	23.16	N43°45'10"E
93	23.16	N43°45'10"E
94	23.16	N43°45'10"E
95	23.16	N43°45'10"E
96	23.16	N43°45'10"E
97	23.16	N43°45'10"E
98	23.16	N43°45'10"E
99	23.16	N43°45'10"E
100	23.16	N43°45'10"E



Sheet: 1 of 1

PROJECT INFORMATION
JOB NO. 09020
DRAWN BY: WMA
CHECKED BY: BAY
DRAWING TITLE: 09020-523
DRAWING SCALE: 1" = 100'
ORIGINAL RELEASE DATE: MAY 29, 2009

SHEET TITLE: SUBDIVISION PLAT FOR RICHMOND COUNTY, GEORGIA

PROJECT TITLE: THE SALVATION ARMY (KROC CENTER)

—Prepared By—
Toole Surveying Company, Inc.
308 4th Street—Phone (706) 722-4115—Augusta, Georgia 30901
Fax (706) 722-4118 — www.toolesurveying.com

REV. NO.	DATE	DESCRIPTION
3	6-30-09	REVISE EASEMENT TRACT "E-1"
2	6-26-09	ADD TRACTS
1	6-25-09	ADD EASEMENTS



**Engineering Services Committee Meeting
8/24/2009 1:15 PM
Downtown Development Authority**

Department: Clerk of Commission

Caption: Approve standardized permapave design for tree wells on Broad Street.
DDA will work with the City of Augusta to install with \$20,000 SPLOST funding.

Background:

Analysis:

Financial Impact:

Alternatives:

Recommendation:

**Funds are Available in
the Following
Accounts:**

REVIEWED AND APPROVED BY:

Clerk of Commission

AGENDA ITEM REQUEST FORM

Commission/Committee: (Please check one)

- ☐ Commission
☐ Public Services Committee
☐ Administrative Services Committee
☒ Engineering Services Committee
☐ Finance Committee
☐ Public Safety Committee

Contact Information for Individual/Presenter Making the Request:

Name: Margaret Woodard / Dennis Stroud
Address: 936 Broad Street, Suite 107
Telephone Number: 706-722-8000
Fax Number: 706-722-1138
E-Mail Address: mwoodard@myaugustadowntown.com

Caption/Topic of Discussion to be placed on the Agenda:

Approve standardized permeable design for tree
wells on Broad Street. DPA will work w/ City
of Augusta to install with \$20,000 SPLOST funding.

Please send this request form to the following address:

Ms. Lena J. Bonner
Clerk of Commission
Room 806 Municipal Building
530 Greene Street
Augusta, GA 30911

Telephone Number: 706-821-1820
Fax Number: 706-821-1838
E-Mail Address: lbonner@augustaga.gov

Requests may be faxed, e-mailed or delivered in person and must be received in the Clerk's Office no later than 5:00 p.m. on the Wednesday preceding the Commission or Committee meeting of the following week. A five-minute time limit will be allowed for presentations.

Commission meetings are held on the first and third Tuesdays of each month at 2:00 p.m.
Committee meetings are held on the second and last Mondays of each month from 12:30 to 3:30 p.m.



**Engineering Services Committee Meeting
8/24/2009 1:15 PM**

Property Condemnation - Permanent and Temporary Construction Easement

Department: Utilities

Caption: Motion to authorize condemnation to acquire title of a portion of property for permanent easements and temporary construction easement for the 60107 - Butler Creek Sanitary Sewer Replacement - East Project. PIN: 144-0-021-03-0 and 144-0-021-03-0 Pircle Lane.

Background: The City has been unable to reach an agreement with the real property owners. In order to proceed and avoid further delays, it is necessary to acquire and condemn a portion of the subject property interests. The required property interests consist of a permanent easement of 2,801 sq. ft. and temporary easement of 2,572 sq. ft. for 144-0-021-03-2; and permanent easement of 11,276 sq. ft. The appraised value of the easements if \$3,648.00.

Analysis: Condemnation is necessary in order to acquire the required property.

Financial Impact: The necessary costs will be covered within the project budget.

Alternatives: Deny condemnation

Recommendation: Approve condemnation

Funds are Available in the Following Accounts: FUNDS ARE AVAILABLE IN THE FOLLOWING ACCOUNT: G/L 510043420-5411120 J/L 80260107-5411120

REVIEWED AND APPROVED BY:

**Finance.
Law.
Administrator.
Clerk of Commission**



**Engineering Services Committee Meeting
8/24/2009 1:15 PM
Solutia, Inc. Easement Deed**

Department: Augusta Utilities Department

Caption: Motion to approve and accept an Easement Deed from Solutia, Inc.

Background: The Augusta Utilities Department will be replacing a portion of the Butler Creek Interceptor, between Doug Barnard Parkway and Highway 56. The sanitary sewer pipeline will be crossing the property of Solutia, Inc.

Analysis: Solutia agreed to the appraised value of the easement. After the option was executed and the check prepared, Solutia asked that Augusta agree to the following deviations from the normal easement deed language: 1. That Augusta will cause it agents and contractors, entering Solutia's property, to be insured and to provide evidence of same. 2. That Augusta acknowledge that Solutia's property contains elevated levels of certain constituents in the groundwater and that Solutia's representative will be contacted, for an assesment, prior to entry on the property.

Financial Impact: \$17,499 (approved May 2009, check #262980)

Alternatives: Deny motion to approve and accept an Easement Deed from Solutia, Inc.

Recommendation: Approve motion to approve and accept an Easement Deed from Solutia, Inc.

Funds are Available in the Following Accounts: 511043420-5411120 80360107-5411120

REVIEWED AND APPROVED BY:

**Finance.
Procurement.
Law.
Administrator.
Clerk of Commission**

AUGUSTA, GEORGIA EASEMENT DEED

PROJECT: 60115 Butler Creek SS East

PARCEL IDENTIFICATION NUMBER: 145-0-178-00-0 **ADDRESS:** Dixon Airline Road

THIS INDENTURE made and entered into this ____ day of _____, 2009, between Solutia Inc., hereinafter referred to as OWNER, and Augusta, Georgia, a political subdivision under the laws of Georgia, hereinafter referred to as AUGUSTA;

WITNESSETH, that Owner, for and in consideration of the sum of ONE DOLLAR (\$1.00) in hand and truly paid by Augusta at and before the sealing and delivery of these presents, and other valuable consideration, the receipt whereof is hereby acknowledged, has granted, bargained, sold, conveyed and confirmed, and by these presents does grant, bargain, sell, convey and confirm unto Augusta, its successors and assigns, an easement in perpetuity under, across and through the hereinafter described parcel of land.

Said easement consists of 68,957 Square Feet, more or less, as shown on a plat prepared by W. R. Toole Engineers, Inc., dated August 22, 2007, marked sheet numbers 11, 12, 13, 51, 52, and 53, attached hereto and made a part hereof, to which reference is made for a more accurate and complete description of the metes, bounds and courses, and being for the purpose of laying, adding, relaying, expanding, installing, extending, operating, repairing and maintaining pipelines transporting and carrying utility services.

Owner does also grant unto Augusta a temporary easement consisting of 44,098 Square Feet, more or less, as shown on said plat. Said easement is granted together with the right to dig such trenches in said parcel of land as may be necessary for the Project, to pile thereon the material excavated, and to haul pipe, supplies and equipment connected with the construction and maintenance thereof, over, along and across the said parcel of land. Said temporary easement shall expire at the completion and final acceptance of this pipeline by Augusta.

All work performed by or on behalf of Augusta, including without limitation the laying, constructing, reconstructing, using, operating, inspecting, maintaining, repairing, and removing of the pipelines transporting and carrying utility services, shall be performed in a good and workmanlike manner, and in conformance with sound and acceptable engineering practices. After the initial installation or subsequent disturbance by Augusta of the easement or temporary easement for any such purpose, Augusta shall restore the surface area of construction substantially to the same condition as before the installation or subsequent disturbance, leaving the easement, temporary easement and all adjacent areas neat and clean. Augusta covenants and agrees that all work performed by Augusta and Augusta's use of the easement and temporary easement shall (i) comply with the reasonable requirements of Owner, as made known from time to time, (ii) at all times be conducted in full compliance with all applicable federal, state and municipal or other laws, statutes, regulations, ordinances and orders, and (iii) additionally conform to all of Grantor's policies and procedures with respect to site safety and third-party conduct on Owner's properties.

Owner does agree that Augusta is self insured and will neither name Owner as an additional insured, nor direct its employees be bound by the insurance requirements stated in this paragraph. Augusta, as evidenced by its acceptance of the delivery of these presents, agrees that, except in emergency and/or extraordinary circumstances, it will cause its agents and contractors entering the subject property to comply with Owner's security procedures and, prior to such entry, to provide Owner with evidence of commercial general liability insurance, worker's compensation insurance, automobile liability insurance and employer's liability insurance coverage reasonably satisfactory to Owner, naming it as an additional insured thereon.

Augusta further acknowledges that areas of Owner's property contain elevated levels of certain constituents in the groundwater. Augusta agrees that it will contact Owner's representative, Michael House, at 314-674-6717, prior to entering the easement to conduct below grade work to determine if any precautions are necessary to protect workers from exposure to such constituents. In no event shall Owner have any liability to Augusta or its contractors with respect to any such exposure.

Owner does also grant, bargain, sell and convey unto Augusta, its successors and assigns, the right, but not the duty, to clear, and keep clear, all trees, undergrowth and other obstructions from said permanent easement, along with the free right of ingress and egress to and from said permanent easement for this purpose and all other purposes stated herein.

Owner does agree that no other utilities may be constructed within the aforesaid easement in perpetuity except by written permission of the Augusta Utilities Department, which permission shall not be unreasonably withheld or delayed.

Owner, its successors, assigns and legal representatives, after the completion of this Project, shall have the right to use said parcel of land in any manner not inconsistent or interfering with the rights herein granted, excluding, however, the right to plant thereon any trees or other vegetation that may interfere with the laying, adding, relaying, installing, expanding, extending, operating, repairing and maintaining of pipelines transporting and carrying utility services and the right to erect, construct or maintain thereon any buildings, structures, or other permanent improvements. Owner shall have no obligation to maintain the easement or remove any trees or other vegetation that may grow on the easement.

TO HAVE AND TO HOLD the aforesaid rights, ways, easements, privileges and appurtenances unto Augusta, its successors and assigns, in perpetuity.

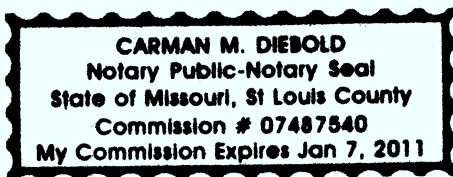
And Owner, its successors, assigns and legal representatives shall and will forever warrant and defend unto Augusta, its successors and assigns, the rights, ways, easements privileges and appurtenances conveyed herein, against the claim of any person or persons whomsoever.

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

Signed, Sealed and Delivered in the presence of:

Barbara A. Schulte
WITNESS

Carman M. Diebold
NOTARY PUBLIC 7/23/09



SOLUTIA INC.

By: [Signature] *cc*

As Its: Executive VP + CFO

Attest: [Signature]

As Its: Vice President

(Seal)

Augusta, Georgia

Witness

Notary Public,

_____, County, State of _____

My Commission Expires: _____

By: _____

As Its: _____

Attest: _____

As Its: _____

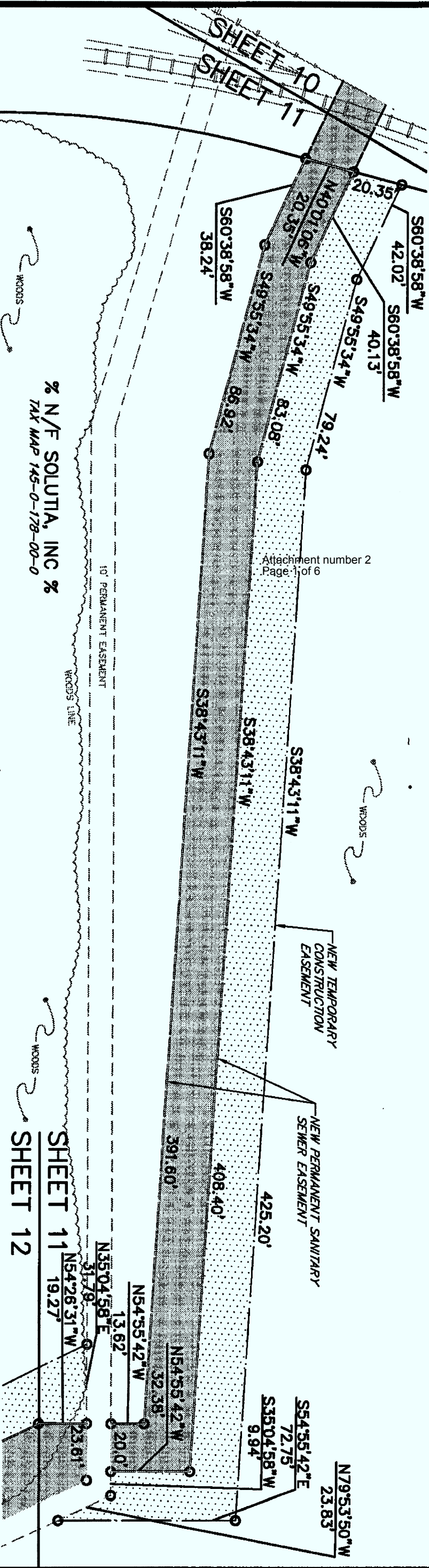
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OWNER	TAX MAP	PARCEL	I.C.E. TO BE ACQUIRED	PERM. S.S. EASEMENT TO BE ACQUIRED
NORFOLK SOUTHERN RAILROAD	135	4-1	N/A	1,753 SQ. FT., 0.04 ACRES
SOLUTA, INC.	145	178	44,098 SQ. FT., 1.01 ACRES	68,957 SQ. FT., 1.58 ACRES

I.C.E. TO BE ACQUIRED

PERM. S.S. EASEMENT TO BE ACQUIRED

EXISTING EASEMENT

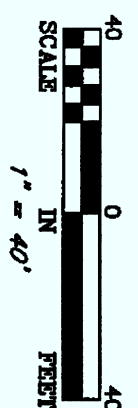
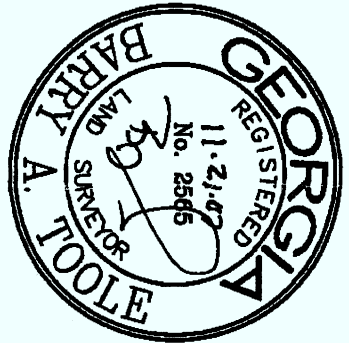
NOTE: THIS EASEMENT MAP MAY NOT SHOW ALL EASEMENTS THAT ENCUMBER THIS PROPERTY.



% N/F SOLUTA, INC %
TAX MAP 145-0-178-00-0

NORFOLK
SOUTHERN
RAILROAD

100 YEAR FLOOD PLAIN
(TAKEN FROM GIS MAPS)



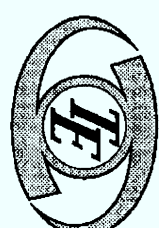
DATE
AUGUST 22, 2007

PREPARED BY -

- COMPILED EASEMENT MAP FOR -
**AUGUSTA-RICHMOND
COUNTY COMMISSION**

RICHMOND COUNTY, GEORGIA

SHOWING PROPERTY LOCATED IN 85th G.M.D., IN AUGUSTA, GEORGIA.



W R Toole Engineers, Inc.

349 Greene St. • Augusta, Ga. 30901 • 706.722.4114 • www.wrtoole.com
Engineers • Consultants • Planners

JOB #060095M15.DWG JDR

PROPERTIES INFORMATION:

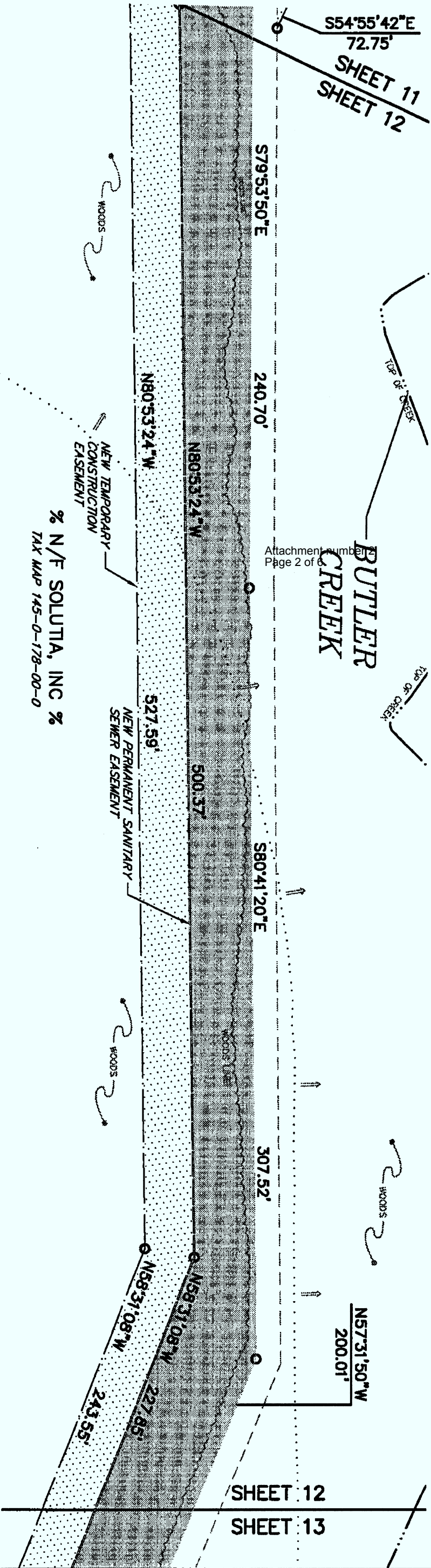
OWNER	TAX MAP	PARCEL	T.C.E. TO BE ACQUIRED	PERM. S.S. EASEMENT TO BE ACQUIRED
SOLUTA, INC.	145	178	44,098 SQ. FT., 1.01 ACRES	68,957 SQ. FT., 1.58 ACRES

NOTE: THIS EASEMENT MAP MAY NOT SHOW ALL EASEMENTS THAT ENCUMBER THIS PROPERTY.

T.C.E. TO BE ACQUIRED

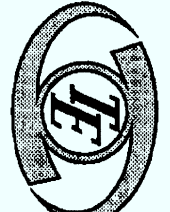
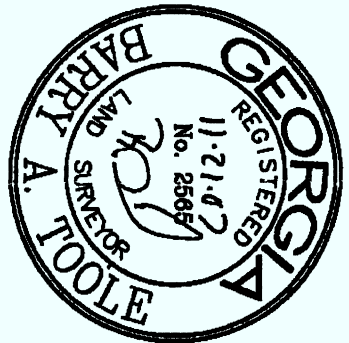
PERM. S.S. EASEMENT TO BE ACQUIRED

EXISTING EASEMENT

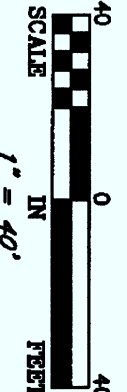


100 YEAR FLOOD PLAIN
(TAKEN FROM GIS MAPS)

GRID NORTH
(GEORGIA EAST)



W R Toole Engineers, Inc.
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Engineers • Consultants • Planners



DATE
AUGUST 22, 2007

PREPARED BY -

SHOWING PROPERTY LOCATED IN 85th G.M.D., IN AUGUSTA, GEORGIA.

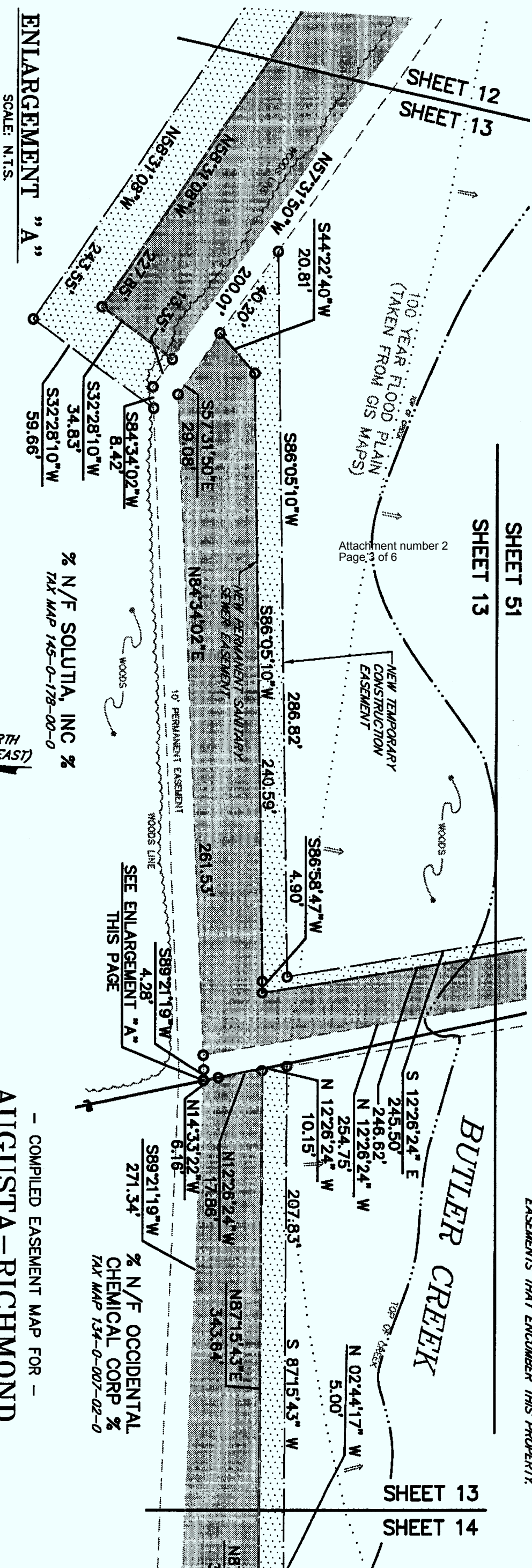
RICHMOND COUNTY, GEORGIA

— COMPILED EASEMENT MAP FOR —
**AUGUSTA—RICHMOND
COUNTY COMMISSION**

PROPERTIES INFORMATION:				
OWNER	TAX MAP	PARCEL	T.C.E. TO BE ACQUIRED	PERM. S.S. EASEMENT TO BE ACQUIRED
SOLUTIA, INC.	145	178	44,086 SQ. FT., 1.01 ACRES	68,921 SQ. FT., 1.58 ACRES
OCCIDENTAL CHEMICAL CORP.	134	7-2	8,594 SQ. FT., 0.19 ACRES	24,735 SQ. FT., 0.57 ACRES

●	T.C.E. TO BE ACQUIRED
●	PERM. S.S. EASEMENT TO BE ACQUIRED
—	EXISTING EASEMENT

NOTE: THIS EASEMENT MAP MAY NOT SHOW ALL EASEMENTS THAT ENCUMBER THIS PROPERTY.

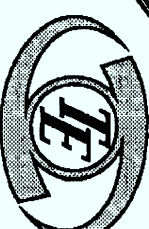
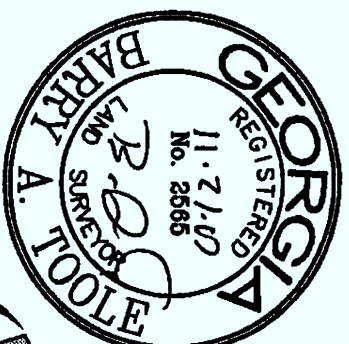
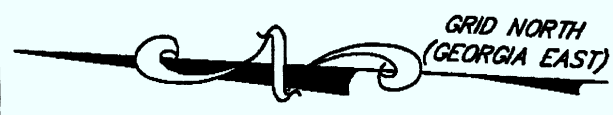
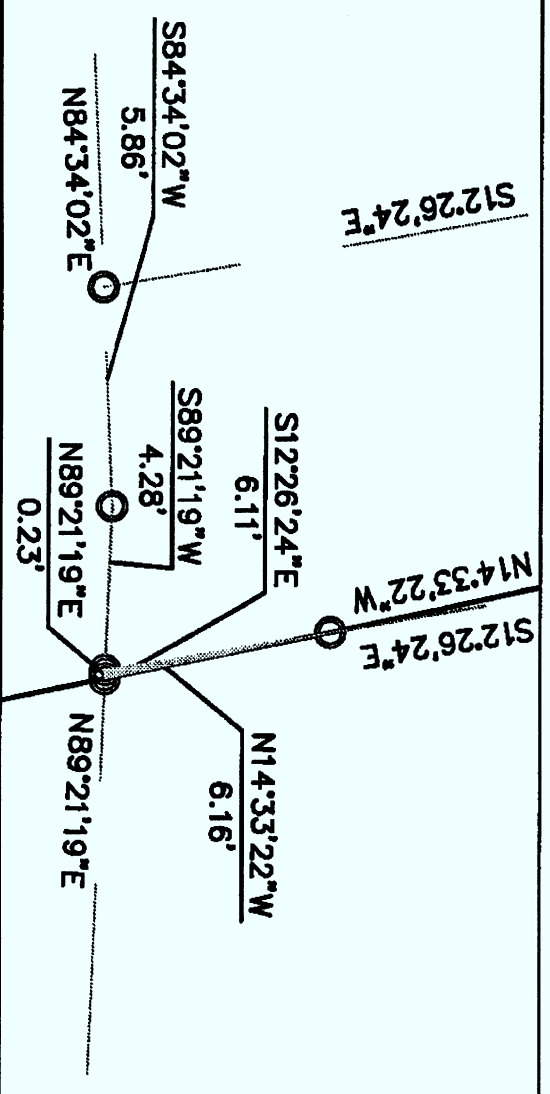


ENLARGEMENT "A"

SCALE: N.T.S.

% N/F SOLUTIA, INC. %
TAX MAP 145-0-178-00-0

% N/F OCCIDENTAL
CHEMICAL CORP. %
TAX MAP 134-0-007-02-0



DATE
AUGUST 22, 2007

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JOB #06009ESM/TJS.DWG JDR

PROPERTIES INFORMATION:

OWNER	TAX MAP	PARCEL	T.C.E. TO BE ACQUIRED	PERM. S.S. EASEMENT TO BE ACQUIRED
SOLUTA, INC.	145	178	44,098 SQ. FT., 1.01 ACRES	68,957 SQ. FT., 1.58 ACRES
OCCIDENTAL CHEMICAL CORP.	134	7-2	8,394 SQ. FT., 0.19 ACRES	24,735 SQ. FT., 0.57 ACRES

--- T.C.E. TO BE ACQUIRED
--- PERM. S.S. EASEMENT TO BE ACQUIRED
--- EXISTING EASEMENT

NOTE: THIS EASEMENT MAP MAY NOT SHOW ALL EASEMENTS THAT ENCUMBER THIS PROPERTY.

- COMPILED EASEMENT MAP FOR -

AUGUSTA-RICHMOND
COUNTY COMMISSION

SHOWING PROPERTY LOCATED IN 65th G.M.D., IN AUGUSTA, GEORGIA..

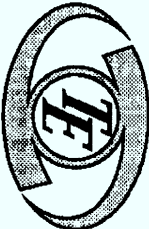
RICHMOND COUNTY, GEORGIA



DATE

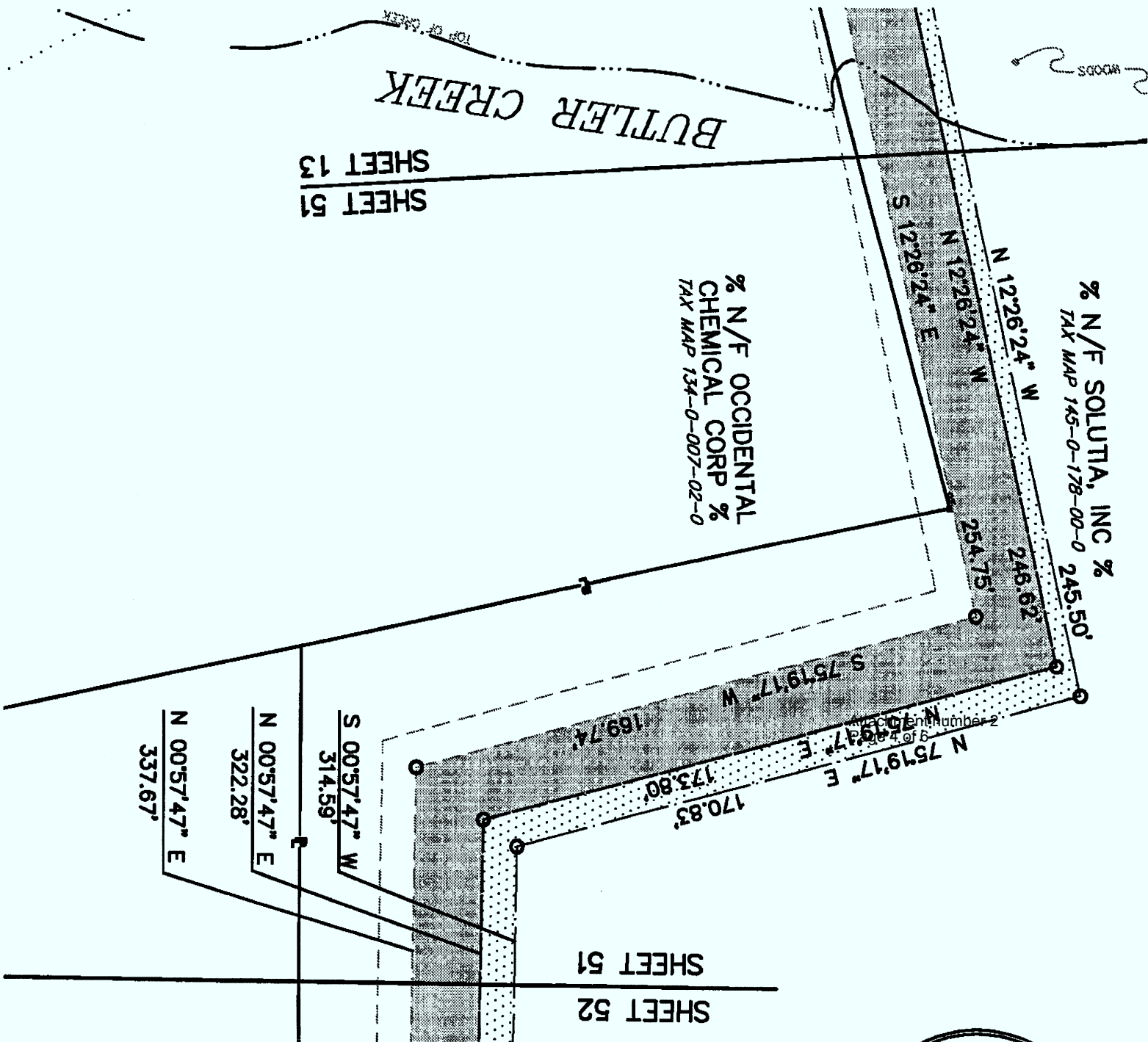
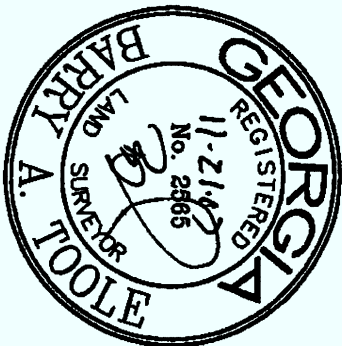
AUGUST 22, 2007

- PREPARED BY -



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Engineers • Consultants • Planners

JOB #06009ESM/TS.DWG JDR



% N/F OCCIDENTAL
CHEMICAL CORP %
TAX MAP 134-0-007-02-0

% N/F SOLUTA, INC %
TAX MAP 145-0-178-00-0

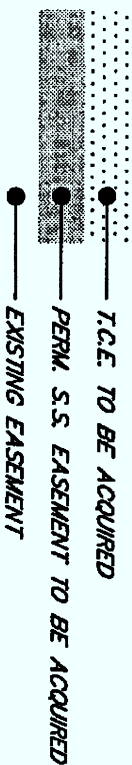
SHEET 51
SHEET 13

SHEET 51
SHEET 52

GRID NORTH
(GEORGIA EAST)

PROPERTIES INFORMATION:

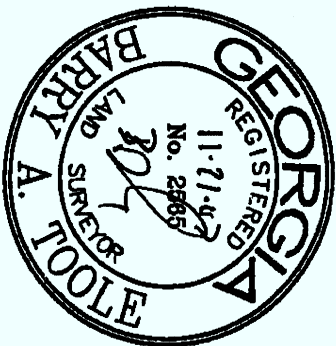
OWNER	TAX MAP	PARCEL	T.C.E. TO BE ACQUIRED	PERM. S.S. EASEMENT TO BE ACQUIRED
SOLUTA, INC.	145	178	44,098 SQ. FT., 1.01 ACRES	68,957 SQ. FT., 1.58 ACRES



NOTE: THIS EASEMENT MAP MAY NOT SHOW ALL EASEMENTS THAT ENCLUMBER THIS PROPERTY.



Attachment number 2
Page 5 of 6

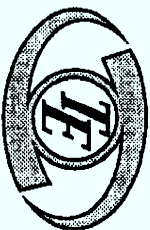


- COMPILED EASEMENT MAP FOR -
**AUGUSTA-RICHMOND
COUNTY COMMISSION**
SHOWING PROPERTY LOCATED IN 85th G.M.D., IN AUGUSTA, GEORGIA..
RICHMOND COUNTY, GEORGIA



DATE
AUGUST 22, 2007

- PREPARED BY -

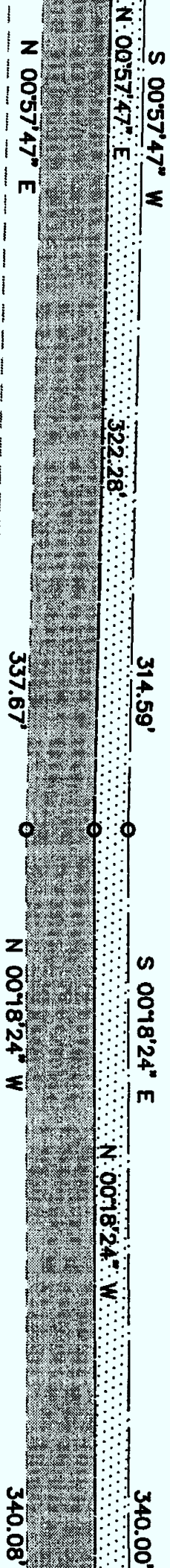


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Engineers • Consultants • Planners

JOB #06009ESM/TS.DWG .JDR

% N/F SOLUTA, INC %
TAX MAP 145-0-178-00-0

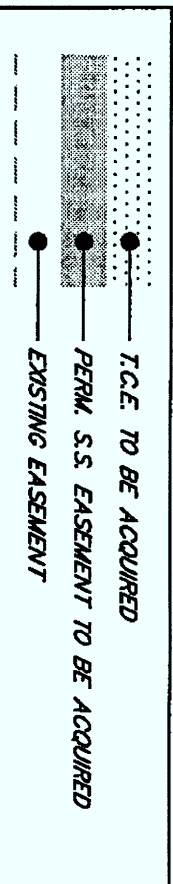
SHEET 52
SHEET 51



SHEET 53
SHEET 52

PROPERTIES INFORMATION:

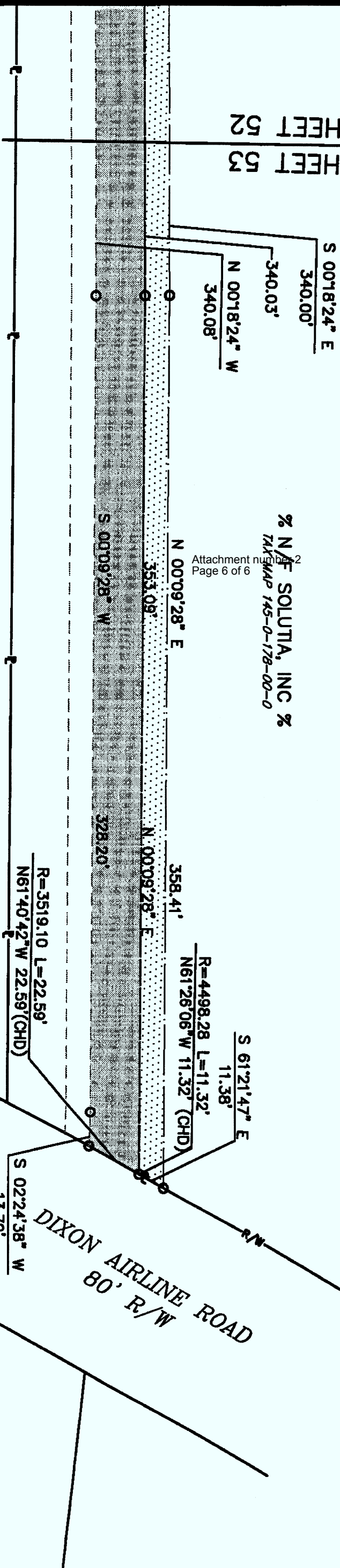
OWNER	TAX MAP	PARCEL	T.C.E. TO BE ACQUIRED	PERM. S.S. EASEMENT TO BE ACQUIRED
SOLUTA, INC.	145	178	44,098 SQ. FT., 1.01 ACRES	68,957 SQ. FT., 1.58 ACRES



SHEET 53
SHEET 52

% N/A SOLUTA, INC. %
TAX MAP 145-0-178-00-0

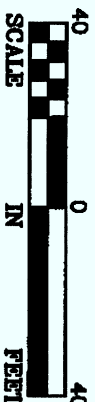
Attachment number 2
Page 6 of 6



— COMPILED EASEMENT MAP FOR —
**AUGUSTA-RICHMOND
COUNTY COMMISSION**

SHOWING PROPERTY LOCATED IN 85th G.M.D., IN AUGUSTA, GEORGIA..

RICHMOND COUNTY, GEORGIA

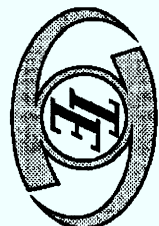


1" = 40'

DATE

AUGUST 22, 2007

— PREPARED BY —

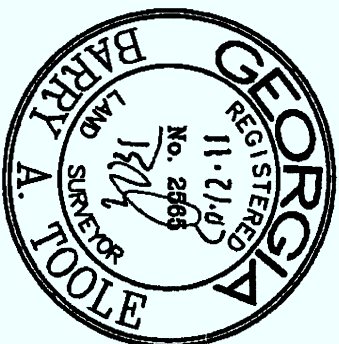


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GRID NORTH
(GEORGIA EAST)