


STATE OF ALABAMA)
SHELBY COUNTY)


20071011000474360 1/25 \$88.00
Shelby Cnty Judge of Probate, AL
10/11/2007 02:50:15PM FILED/CERT

RIGHT-OF-WAY EASEMENT AGREEMENT

THIS RIGHT-OF-WAY EASEMENT AGREEMENT (this "Agreement") is made and entered into this 13th day of August, 2007, by and between **TRIAD PROPERTIES, LLC**, an Alabama limited liability company (the "Grantor"), and **COLONIAL PIPELINE COMPANY**, a Delaware corporation (the "Grantee").

WITNESSETH:

WHEREAS, Grantor has agreed to grant and convey to Grantee an easement on, over and across certain real property owned by Grantor, all pursuant to the terms of this Agreement;

NOW, THEREFORE, in consideration of the mutual covenants herein contained, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Grantor and Grantee hereby agree as follows:

1. **Grant of Easement.** Subject to all other terms and provisions of this Agreement, Grantor does hereby grant, bargain, sell and convey to Grantee (subject, however, to all matters appearing of record in the office of the Judge of Probate of Shelby County, Alabama) a pipeline right-of-way and easement with the right to construct, maintain, inspect, identify, operate, protect, replace, repair and remove one pipeline and appurtenances thereto, including, markers and corrosion maintenance devices, for the transportation of liquid petroleum products upon and along a route as described on Exhibit A attached hereto (the "Easement Area") (and for the purpose of relocating part of Grantee's existing pipeline situated on Grantor's real property to the Easement Area as shown on Exhibit A) together with:

(a) **Grant of Access.** The nonexclusive right of unimpaired access to said pipeline and the right of ingress and egress on, over and through part of the South boundary line of the Easement Area as depicted on Exhibit B attached hereto, at such specific location on such South boundary line as designated from time to time by Grantor (the "Access Area"), it being understood by Grantee that it shall be entitled to have no more than one point of access to the Easement Area at any time (hereinafter the "Access Area" and the Easement Area are collectively called the "Affected Areas"), for any and all purposes necessary and incident to the exercise by Grantee of the rights granted hereunder, with the further right to maintain said right-of-way herein granted clear of trees, undergrowth, and brush. Grantor shall have the right to relocate the Access Area to a point off of the South boundary line of the Easement Area, to another part of Grantor's property at Grantor's own expense, provided such relocation results in

Grantee having equivalent access. Not less than ninety (90) days advance notice, in writing, of any relocation shall be given by Grantor to Grantee.

(b) **Temporary Work Space.** The right to the use of a strip of Grantor's land adjacent to the Easement Area as temporary work space (the "Work Space Area") during the initial relocation and construction of said pipeline.

2. **Reservation by Grantor.** Grantor hereby reserves, for itself and its successors and assigns, the following:

(a) Grantor hereby reserves (i) the right to the use of all or part of the surface of the Easement Area as a road, drive, loading area, parking area and/or turn-around area (and, in addition, such other surface uses as do not interfere with the pipeline) with such type of surface as determined by Grantor in its sole discretion, and to construct, repair, maintain and replace from time to time on such surface a road or drive, loading area, parking area, turn-around area or other allowed improvement for use by Grantor (and its employees, contractors, invitees, licensees and others authorized by Grantor) for vehicular, pedestrian or other traffic or for loading products or parking vehicles or as a turn-around (the "Retained Surface Rights"), subject, however, to there being no Elevation Change (as such term is herein defined) that results from such usage, (ii) the right to construct, maintain, repair, improve and replace all improvements on, over and across the Easement Area shown on, and consistent with, those certain site development drawings of Grantor entitled "Research Solvents Rail Spur," dated March 30, 2007 [Submitted Items: April 2, 2007], prepared by Patrick L. Chumbley, Alabama Registered Professional Engineer (No. 19181), LAI Engineering, One Perimeter Park South, Suite 4405, Birmingham, Alabama 35243, Job Number: 6266, Dwg Name: 6266PROJ, a copy of which is attached as Exhibit C consisting of ten pages (the "Site Drawings"), such drawings having been approved by Grantee and (iii) the right of Grantor, without the consent of Grantee, and at Grantor's sole election, to dedicate any private drive to public use as a road if and to the extent a dedication is approved by the applicable controlling governmental authority having jurisdiction over the Easement Area;

(b) Grantor hereby reserves the right to the use of the Easement Area in any and every manner not inconsistent with the Grantee's use and enjoyment of the Easement Area in the manner allowed hereby;

(c) Grantor reserves the right at all times to cross or travel across the Easement Area by side tracks or railroad spurs or other installations which Grantor may desire to construct or erect that do not interfere with the pipeline but subject to Grantee's consent which consent shall not be unreasonably withheld.

(d) Grantor hereby reserves the right to construct, or have constructed, water, gas, sewer, telephone, power (and other similar utility lines) on, over and across the Easement Area, so long as same creates no cost to Grantee, to as near 90 degrees and perpendicular as reasonably possible along the Easement

Area. Any underground utility lines on the Easement Area shall be constructed so as to leave a minimum clearance of 12 inches above or below Grantee's pipeline on the Easement Area.

(e) Grantor hereby reserves the right to require Grantee's pipeline to be relocated to another, comparable, location, on the property owned and designated by Grantor, provided (i) such relocation will not adversely affect Grantee's business operations and (ii) all cost and expenses incurred on account of any such relocation shall be the sole expense of, and paid by, Grantor.

(f) To the extent any of the rights retained in this paragraph 2 involve any excavation/earth disturbance activities by Grantor, its contractors, agents, invitees, licensees or assigns, they shall, prior to engaging in such activities, follow the then current "utility protection" laws, particularly as to advance notification.

3. **Elevation Change.** Grantor's initial construction on its property as it involves the Easement Area will be pursuant to Site Drawings. Grantor and Grantee acknowledge that the Site Drawings show the grade and elevation of the property within the Easement Area. Grantor's initial construction on its property involving the Easement Area will be pursuant to the Site Drawings. Any future construction by Grantor on, over or across the Easement Area after the grades are in place as shown by the Site Drawings shall not result in (i) a decrease in elevation within the Easement Area at any location by more than two (2) feet from the elevation for that same location as shown by the Site Drawings or (ii) an increase in elevation within the Easement Agreement at any location by more than three (3) feet from the elevation for that same location as shown by the Site Drawings (the "Elevation Change").

4. **No Obstructions and Controlled Access.** Grantee acknowledges that it is essential to the business operations of Grantor, and for the Grantor's usage of its property, that, at all times, Grantor (i) must have access on, over and across the Easement Area and (ii) must have usage of the Easement Area. Grantee covenants and agrees to keep the Easement Area free from all obstructions and not in any way interfere with Grantor's use of the Easement Area except as otherwise allowed by this Agreement. Subject to Grantor's usage of the surface of the Easement Area pursuant to the Retained Surface Rights, neither Grantor nor Grantee shall obstruct the Easement Area in any way except for a Qualified Temporary Obstruction. For purposes of the Agreement, the term "Qualified Temporary Obstruction" shall mean an occasional temporary obstruction of the Easement Area (i) by Grantee on account of Special Repairs (as herein defined) and (ii) by Grantor on account of work associated with the maintenance, repair, improvement, replacement and relocation of the road, drive, loading area, parking area, turn-around or otherwise, and in all cases in a reasonable manner that does not interfere with Grantee's pipeline or Grantee's necessary access to the pipeline. Grantor shall have the right (but not any obligation), in its sole discretion, to keep its property, including the Affected Areas, secure at all times from access by third parties and, to that end, to have controlled access for any entrance on Grantor's property, including any ingress and egress through the Access Area. Controlled access


shall be at Grantor's sole and absolute discretion and shall include, but not be limited to, a locked gate. The location of any such gate, or other controlled-access device for entry to the Easement Area, and the designation by Grantor of any gate or location to be used on the Access Area, shall be in Grantor's sole and absolute discretion as long as Grantee has access to the Easement Area over and across the Access Area. Grantee shall be granted a pass key or other appropriate device for ingress and egress over the Access Area for Grantee's use if there should be any controlled access established by Grantor.

5. **Termination.** The rights of usage of the Work Space Area by Grantee shall terminate, and no longer be of any force and effect, upon the earlier to occur of (i) completion of the construction and installation of the pipeline or (ii) September 17, 2007, provided, however, that, assuming there are no impediments, caused or allowed by Grantor, to Grantee's use of the Easement Area and Work Space Area during this period, Grantee shall pay Grantor the liquidated sum of \$1,000 per day for each day from and after September 17, 2007, that the installation of the pipeline has not been completed. This Agreement shall terminate and no longer be of any force and effect if the Easement Area is actually abandoned or if it is constructively abandoned by the removal of the pipeline without replacement. I

6. **Maintenance of Easement Area.** As long as Grantor is engaged in surface usage of the Easement Area then Grantor shall maintain the surface of the Easement Area and the Access Area and keep the surface of those areas in good order (except for maintenance necessitated by Grantee's disturbance of the surface area which, in such event, shall be repaired and restored by Grantee to the same condition of such surface of Easement Area as existed prior to such disturbance by Grantee). Otherwise, the Easement Area shall be maintained by Grantee in accordance with its customary maintenance procedures, provided, however, that Grantor shall have the right (but not the obligation) from time to time, at its election, to clear the Easement Area and/or perform such surface area maintenance work as it deems appropriate.

7. **Repairs to Pipeline.** Grantee shall be entitled to make repairs to its pipeline on the Easement Area provided prior written notice of at least two business days is provided to Grantor (but a shorter period for notice is allowable when necessary in the event of emergency repairs that cannot be delayed) and such repairs do not interfere with Grantor's access on, over and across the Easement Area or usage of the turn-around area within the Easement Area. All repairs shall be performed as expeditiously as possible. In the event of Special Repairs (as such term is herein defined), the following shall apply:

(a) Except as provided below, if the Special Repairs will result in Grantor not having access on, over and across the Easement Area, or usage of the turn-around area within the Easement Area without a reasonable alternative access solution being provided by Grantee, then the Special Repairs may only be performed by Grantee (i) after regular business hours on any business day or (ii) on any day which is not a business day.


20071011000474360 4/25 \$88.00
Shelby Cnty Judge of Probate, AL
10/11/2007 02:50:15PM FILED/CERT

(b) If the Special Repairs are of the magnitude that they cannot be made and completed through the exercise of diligence in accordance with subparagraph (a) above, and will necessitate an obstruction of the Easement Area to the extent that the access of Grantor on, over and across the Easement Area will not be available and there is no alternative means of vehicular access to the property, or alternative access to any part of Grantor's property necessary for usage in Grantor's business operations, during normal business hours on any business day, then Grantee shall be entitled to perform such repairs provided, however, that Grantee shall be liable to Grantor (A) for all losses incurred by Grantor resulting from lack of such access or usage, including monetary losses in Grantor's business operations and (B) for all losses of personal goodwill resulting from Grantor being unable to deliver product caused by the lack of such access or usage, in such amounts as reasonably determined by Grantor. For all purposes of this Agreement, the capitalized term "Special Repairs" shall mean any repairs that may affect or prohibit Grantor's access on, over and across the Easement Area or usage of the turn around area within the Easement Area such that Grantor will be adversely affected in its business operations.

8. **Indemnification.** Except to the extent of the negligence or willful or wanton acts of Grantor, Grantee hereby assumes, shall be responsible for, and shall defend, indemnify and save Grantor harmless from and against, any and all liability, loss, claim, suit, damage, charge or expense which Grantor may suffer, sustain, incur or in any way be subjected to, on account of death of, or injury to, any person whomsoever (including, owners, officers, agents, employees or invitees of Grantor or tenants and transferees of the Affected Areas), and for damage to, or loss of, or destruction of any property whatsoever, arising out of, resulting from, or in any way connected with the use of, or operations on, the Affected Areas by Grantee, its officers, employees, agents and contractors. The indemnity provided for in this paragraph shall also be deemed to include causes, conditions and damages attributable to pollution, harm to the environment and the discharge or release of any substance which is regarded as hazardous or toxic under any federal, state or local law, or otherwise, including human exposure to such substance. Notwithstanding anything to the contrary contained herein, and excluding usage of the surface of the Easement Area by Grantor, its employees, invitees and contractors, Grantee is to be solely responsible for all liabilities, losses, claims, suits, damages, charges, or expenses as between Grantor and Grantee (i) if the result of a hazardous substance, except in the case of a Pre-Existing Condition, and (ii) if the result of an injury, death, destruction or damage originating from an act, cause, condition or event attributable to Grantee's pipeline within the Easement Area (such as, by way of example, an explosion or fire because of the presence of the pipeline), and not directly caused by Grantor, its employees, invitees and contractors. For purposes of this Agreement, a "Pre-Existing Condition" shall mean the presence of a hazardous substance within the Easement Area to the extent that such hazardous substance (i) was not spilled, released or discharged in the Easement Area after the date of this Agreement, (ii) was not caused at any time by a spill, release or discharge in the Easement Area by Grantee and (iii) is not a naturally-occurring substance indigenous to the property or local area or otherwise naturally existing.

9. **Insurance.** Grantee, at its sole cost and expense, shall procure and maintain in effect throughout the continuance of this Agreement:

(a) A policy of Commercial General Liability Insurance ("CGL"), which insures against bodily injury and property damage, and contractual liability, naming Grantor (or other future owner of fee title to the Easement Area) as an additional insured. A coverage limit of not less than five million dollars (\$5.0 million) Combined Single Limit per occurrence for bodily injury liability and property damage shall be maintained.

(b) Pollution liability insurance naming Grantor (or other future owner of fee title to the Easement Area) as an additional insured and providing a coverage limit of not less than five million dollars (\$5.0 million) for bodily injury liability and property damage resulting from a sudden and accidental release within the Easement Area, caused by Grantee or its pipeline, of any pollutants. The policy shall include clean up costs and the defense of any associated litigation.

(c) Grantee shall provide excess liability with limits of at least thirty-five million dollars (\$35.0 million).

As long as Research Solvents & Chemicals, Inc., an Alabama corporation ("RSC"), is the tenant of the real property adjoining any of the Easement Area, or other entity owned or controlled by any of the members of Grantor, then RSC (or such other affiliated entity, if applicable) shall also be an additional insured on each policy of insurance required by this Agreement. The evidence of insurance coverage shall be provided to Grantor and endorsed to provide for thirty (30) days notice to Grantor prior to cancellation of, or reduction of coverage for, any policy. The existence of any insurance shall not limit Grantee's liability under this Agreement, but shall be security therefor.

10. **Increase in Insurance.** This paragraph shall not apply as long as the Grantee hereunder is Colonial Pipeline Company, but shall be fully applicable if the Grantee is not Colonial Pipeline Company. From time to time, Grantor, acting in a commercially reasonable manner, may require, to the extent then-deemed appropriate for the risks involved under this Agreement, that Grantee increase the limits of coverage set forth in any policies of insurance required of Grantee hereunder. To the extent that Grantor requests such changes in coverage's, Grantee shall, within thirty (30) calendar days following Grantor's request, provide evidence of any new insurance coverage required hereunder unless, within such time, Grantee objects in writing to such additional coverage. In the event, of an objection by Grantee, Grantor and Grantee shall, within 30 days thereafter, mutually agree upon an independent third party, with no prior contacts or business with Grantor and Grantee and who works in, and is knowledgeable with, the areas of commercial, pollution and industrial insurance (or comparable types of risk-protection products). Such third party shall make the final decision which shall be binding on the parties.



11. **Self Insurance.** This paragraph applies only as long as Colonial Pipeline Company continues as the Grantee hereunder. As long as the Grantee is Colonial Pipeline Company, then the Grantee shall be entitled to satisfy its insurance obligations through self-insurance.

(a) The right to self-insure for the insurance required by this Agreement shall be on the following terms and conditions:

(i) "Self-insure" shall mean that Grantee is itself acting as though it were the insurance company providing the insurance required under the provisions hereof and Grantee shall pay any amounts due in lieu of insurance proceeds which would have been payable if the insurance policies had been carried, which amounts shall be treated as insurance proceeds for all purposes under this Lease.

(ii) All amounts which Grantee pays or is required to pay and all loss or damages resulting from risks for which Grantee has elected to self-insure shall not limit or increase Grantee's indemnification obligations set forth in paragraph 8 hereof.

(b) Grantee's right to self-insure and to continue to self-insure is conditioned upon and subject to:

(i) The Grantee maintaining an "Investment Grade" long-term credit rating from Standard and Poor's at or above BBB- or long-term credit from Moody's at or above Baa3.

(ii) The Grantee providing current long-term credit rating information to Grantor, and certified to Grantor, by September 1 of every year to the extent requested by Grantor, in writing, which establishes and confirms that Grantee maintains an Investment Grade credit rating.

(c) In the event Grantee fails to fulfill the requirements of the preceding paragraph (b) then Grantee shall immediately lose the right to self-insure and shall be required to provide the insurance specified herein; provided, however, that Grantee's self insurance shall continue in full force and effect until the insurance specified herein is issued by a qualifying insurance company.

(d) In the event that Grantee elects to self-insure and an event or claim occurs for which a defense and/or coverage would have been available from the insurance company, Grantee shall:

(i) undertake the defense of any such claim, including a defense of Grantor, at Grantee's sole cost and expense, and

(ii) use its own funds to pay any claim or replace property or otherwise provide the funding which would have been available from insurance proceeds but for such election by Grantee to self-insure.

(e) In the event that Grantee elects to self-insure, Grantee shall provide Grantor with certificates of self-insurance in form acceptable to Grantor specifying the extent of self-insurance coverage hereunder and containing a waiver of subrogation. Any insurance coverage provided by Grantee shall be for the benefit of Grantee and Grantor.

12. **Compliance with Law.** Grantee shall comply with all applicable laws and governmental requirements in Grantee's usage of the Affected Areas. If any use by Grantee shall not be in compliance with a material law, and such noncompliance is not corrected within thirty (30) days notice to Grantee, unless additional time is necessary in the circumstances on account of the length of time reasonably required for Grantee's usage to be in compliance, then Grantor shall be entitled to terminate this Agreement, which shall no longer be of any force and effect.

13. **Notices.** Any notice, demand or other communication provided for in this Agreement shall be in writing and sent by personal delivery, facsimile (with confirmation of receipt) or registered or certified U.S. Mail with return receipt requested, postage prepaid, to the appropriate party at its address or facsimile number below:

Grantor: Triad Properties, LLC
Post Office Box 660622
Birmingham, Alabama 35266
Attention: Jeffrey O. Miller
Fax: 205/822-6357

If to Grantee: Colonial Pipeline Company
Attention: Kevin G. Raley
Right of Way Coordinator
Southeast District
391 Scruggs Road
Ringgold, Georgia 30736
Fax: 706/891-9916

And to:

Colonial Pipeline Company
Attention: Preston A. Morrison
Right of Way Attorney
1185 Sanctuary Parkway
Alpharetta, Georgia 30004
Fax: 678-762-2395

Addresses for notice may be changed from time-to-time by written notice to the other party hereto, which notice shall further be recorded in the office of the Judge of Probate in Shelby County, Alabama. Any notice of communication shall be effective (i) if sent by mail, three (3) business days following deposit in a post office or other official depository under the care and custody of the United States Postal Service or successor institution,

(ii) if sent by facsimile, on the date of the sender's confirmation of receipt and (iii) if sent by personal delivery, on the date of delivery to the above address.

14. **Assignment.** The rights of Grantee under this Agreement are divisible and assignable, in whole or in part, provided, however, that Grantee shall not have the right to convey an interest in the Easement Area and continue to exercise the same right as those conveyed without the prior written consent of Grantor.

15. **Covenant Running with the Land.** The Easement Area and the rights granted and agreements made herein shall be covenants running with the land.

16. **Private Easement.** The Easement Area and the rights granted herein shall not create any rights in favor of the general public or in any party other than Grantee.

17. **Amendment.** This instrument may be amended only by an instrument in writing, executed by parties and recorded in the public records wherein this instrument is recorded.

18. **Binding Effect.** This instrument shall be binding on, and inure to the benefit of, the parties hereto and their respective successors and assigns, including, without limitation, each succeeding fee owner of the Affected Areas.

19. **Governing Law.** This instrument shall be governed by the laws of the state of Alabama. This Agreement shall further be regarded as one involving interstate commerce.

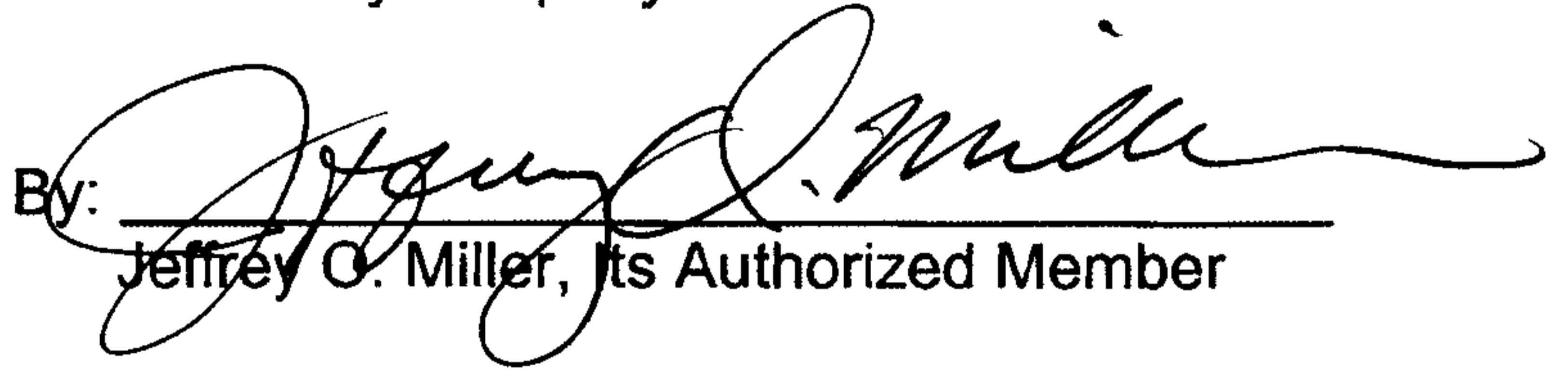
20. **Business Day.** The reference to a "business day" in this Agreement means any calendar day which is not a Saturday, Sunday, Federally-recognized legal holiday or holiday recognized by the state of Alabama.

21. **Release.** Grantor does hereby release Grantee from and against any and all claims of Grantor on account of, or resulting from, the delays caused by Grantee prior to March 1, 2007, in effecting a relocation of the pipeline, but such release shall not result in a wavier or release of any claim by Grantor against Grantee associated with, or relieve Grantee from compliance with any of its obligations under, this Agreement.

TO HAVE AND TO HOLD to the Grantee, its successors and assigns, forever.

IN WITNESS WHEREOF, the Grantor and Grantee have caused this Agreement to be executed on the day and year first above written.

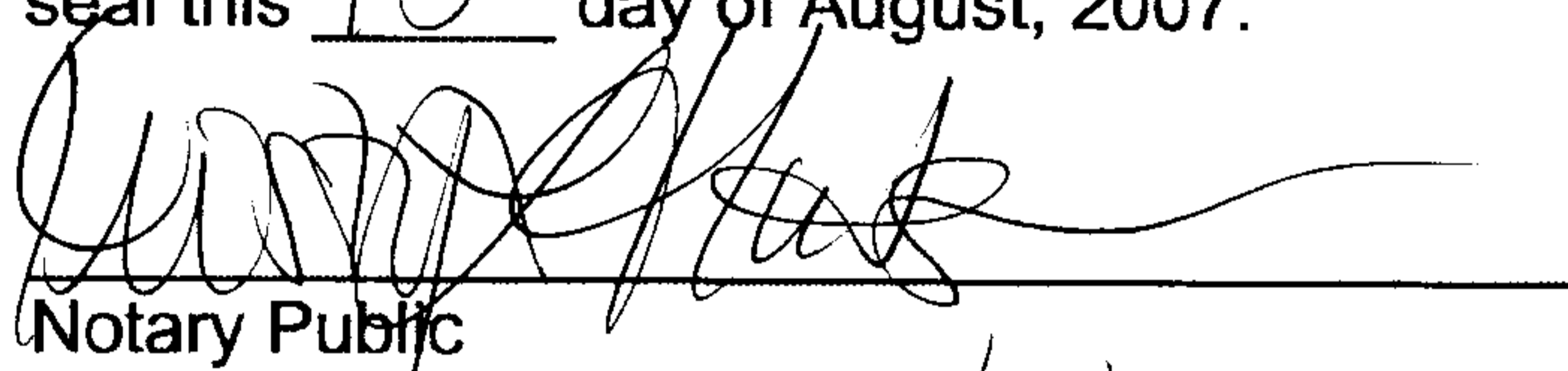
TRIAD PROPERTIES, LLC, an Alabama
limited liability company

By: 
Jeffrey O. Miller, Its Authorized Member

STATE OF ALABAMA)
 :
SHELBY COUNTY)

I, the undersigned, a notary public in and for said county in said state, hereby certify that **JEFFREY O. MILLER**, whose name as a member of **TRIAD PROPERTIES, LLC**, an Alabama limited liability company, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of said instrument, he, as such member and with full authority, executed the same voluntarily for and as the act of said limited liability company.

Given under my hand and official seal this 13th day of August, 2007.


Notary Public


[NOTARIAL SEAL]

My commission expires: 9/30/08

[signatures continued on the following page]

Shelby County, AL 10/11/2007
State of Alabama

Deed Tax: \$5.00


20071011000474360 10/25 \$88.00
Shelby Cnty Judge of Probate, AL
10/11/2007 02:50:15PM FILED/CERT

COLONIAL PIPELINE COMPANY, a
Delaware corporation

By: [Signature]
Name: RODNEY L. GRAY
Its: VICE PRESIDENT

pa

STATE OF GEORGIA
COBB COUNTY

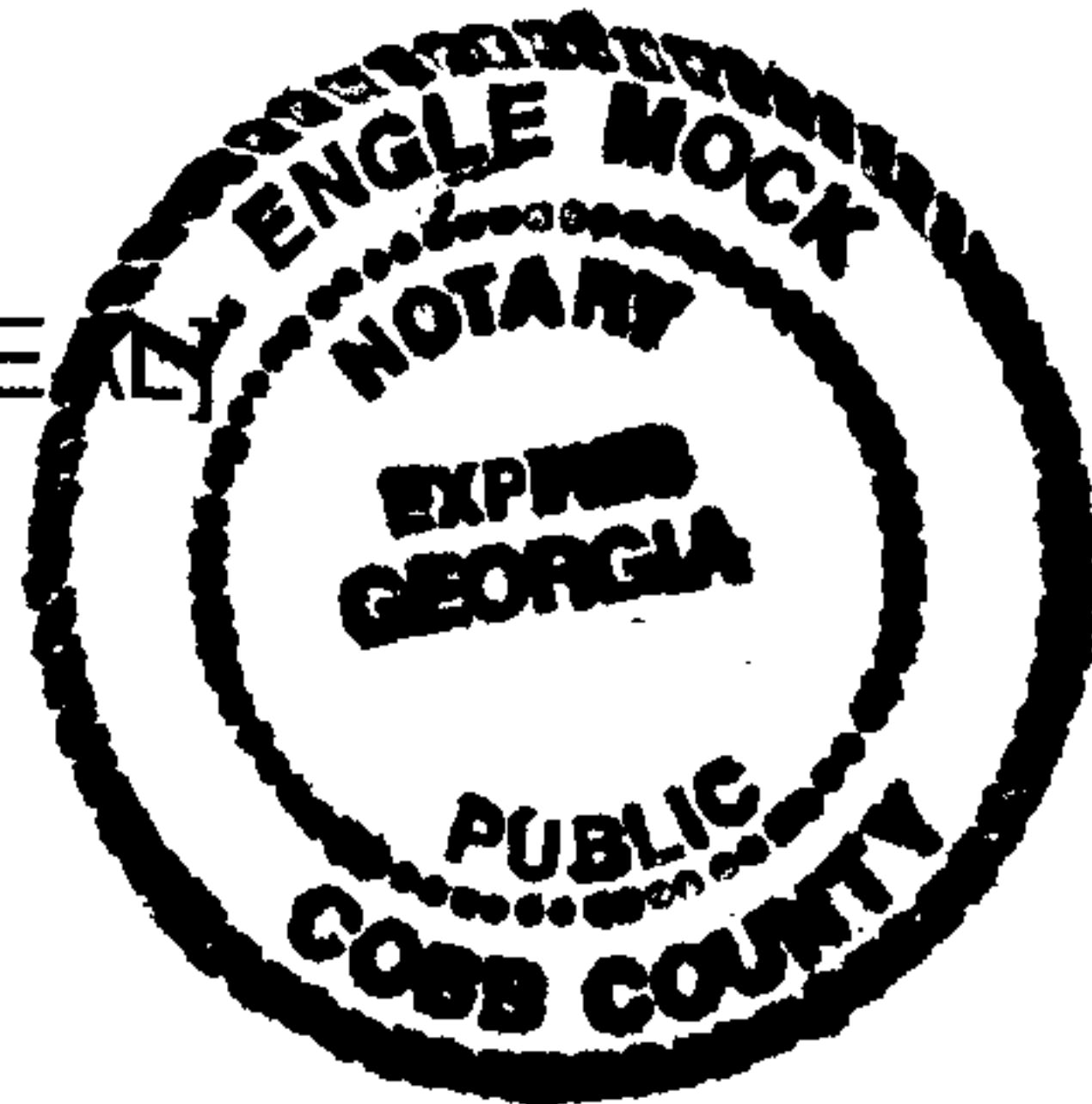


I, the undersigned, a notary public in and for said county in said state, hereby certify that RODNEY L. GRAY, whose name as VICE PRESIDENT of **COLONIAL PIPELINE COMPANY**, a Delaware corporation, is signed to the foregoing instrument, and who is known to me, acknowledged before me on this day that, being informed of the contents of said instrument, he, as such officer and with full authority, executed the same voluntarily for and as the act of said corporation.

Given under my hand and official seal this 8TH day of August, 2007.

[Signature]
Notary Public

[NOTARIAL SEAL]



My commission expires: 1-3-2009



20071011000474360 11/25 \$88.00
Shelby Cnty Judge of Probate, AL
10/11/2007 02:50:15PM FILED/CERT

EXHIBIT A

[LEGAL DESCRIPTION OF EASEMENT AREA]

To find the point of beginning begin at a 1 ½" Open Top found at the Southeast Corner of Southeast ¼ — Northeast ¼, Section 15, Township 20 South, Range 3 West. Then proceed South 88° 12' 18" West a distance of 381.49 feet to a 5/8" rebar found;

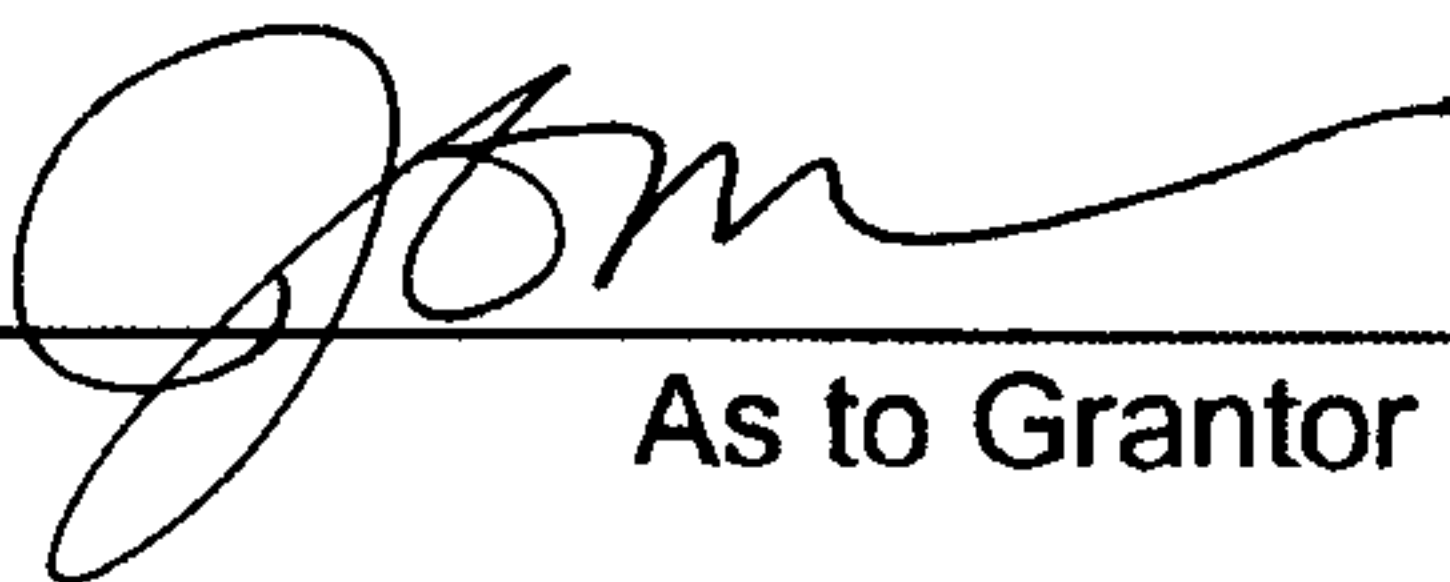
thence North 00° 48' 35" West a distance of 311.50 feet to a point on the existing Colonial Pipeline Company Line 12;

thence North 78° 57' 17" West a distance of 196.55 feet to the TRUE POINT OF BEGINNING.

Thence from the TRUE POINT OF BEGINNING the following bearings and distances:

S78°03' 41" W- 104.20' to a point on the property line of Triad Properties, LLC.;
thence S82°11'04" W- 124.87' to a point on the R/W of Mullins Drive;
thence S78°03'07" W- 139.50' to a point on the R/W of Mullins Drive;
thence S78°03'07" W- 353.77' to a point on the R/W of Mullins Drive;
thence N04°38'11" W- 150.67' to a point on the R/W of CSX Railroad;
thence N76°54'22" E- 20.22' along the R/W of CSX Railroad;
thence S04°38'11" E- 130.91' to a point;
thence N78°03'07" E- 471.26' to a point;
thence N82°11'04" E- 124.87' to a point;
thence N78°03'41" E- 103.48' to a point;
thence S74°44'44" E- 41.47' to a point on the property line of Triad Properties, LLC;
thence S76°26'11" W- 36.91' to the TRUE POINT OF BEGINNING. Pipeline to be in the middle of the Easement Area 10 feet from each side.

Initials of Signing Representatives of Parties

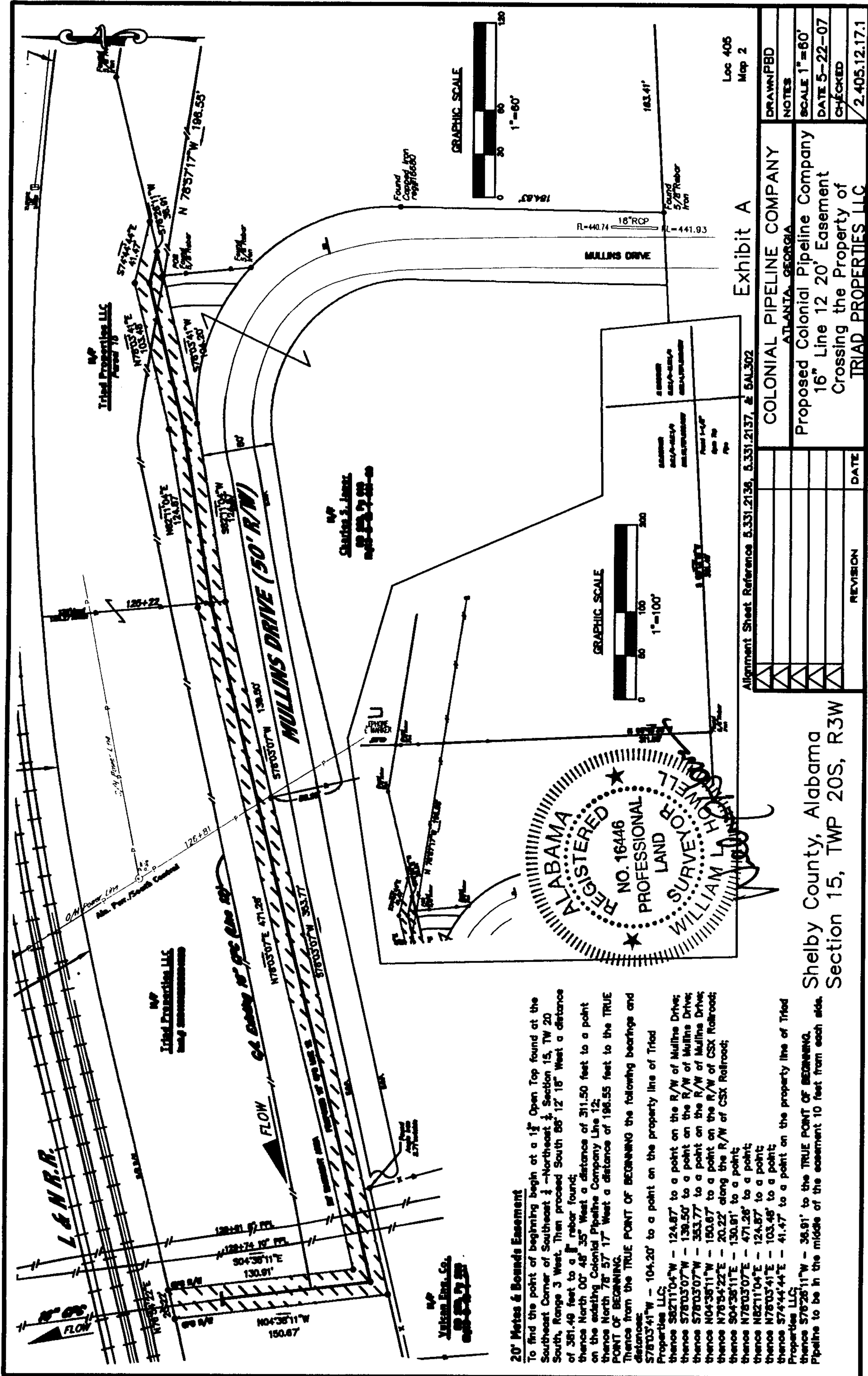


As to Grantor



As to Grantee

A depiction of the Easement Area is shown by the area cross-hatched on the page which follows, with pagination of Exhibit A/Page 2 of 2.



20' Metes & Bounds Easement
 To find the point of beginning begin at a 1 1/2" Open Top found at the Southeast Corner of Southeast 1/4 - Northeast 1/4, Section 15, TWP 20 South, Range 3 West. Then proceed South 88° 12' 18" West a distance of 381.48 feet to a 1/2" rebar found; thence North 00° 48' 35" West a distance of 311.50 feet to a point on the existing Colonial Pipeline Company Line 12; thence North 78° 57' 17" West a distance of 196.55 feet to the TRUE POINT OF BEGINNING.
 Thence from the TRUE POINT OF BEGINNING the following bearings and distances:
 S78°03'41"W - 104.20' to a point on the property line of Triad Properties LLC;
 thence S82°11'04"W - 124.87' to a point on the R/W of Mullins Drive;
 thence S78°03'07"W - 139.50' to a point on the R/W of Mullins Drive;
 thence S78°03'07"W - 353.77' to a point on the R/W of Mullins Drive;
 thence N04°38'11"W - 150.87' to a point on the R/W of CSX Railroad;
 thence N78°34'22"E - 20.22' along the R/W of CSX Railroad;
 thence S04°38'11"E - 130.81' to a point;
 thence N78°03'07"E - 471.26' to a point;
 thence N82°11'04"E - 124.87' to a point;
 thence N78°03'41"E - 103.48' to a point;
 thence S74°44'44"E - 41.47' to a point on the property line of Triad Properties LLC;
 thence S78°26'11"W - 36.91' to the TRUE POINT OF BEGINNING.
 Pipelines to be in the middle of the easement 10 feet from each side.

Alignment Sheet References 8.331.2136, 8.331.2137, & 8.331.2138

REVISION	DATE

COLONIAL PIPELINE COMPANY
 ATLANTA, GEORGIA
 Proposed Colonial Pipeline Company
 16" Line 12 20' Easement
 Crossing the Property of
 TRIAD PROPERTIES LLC

Exhibit A
 Loc 405
 Map 2

DRAWN/PBD
 NOTES
 SCALE 1"=60'
 DATE 5-22-07
 CHECKED
 2.405.12.17.1

Shelby County, Alabama
 Section 15, TWP 20S, R3W

20071011000474360 13/25 \$88.00
 Shelby Cnty Judge of Probate AL
 10/11/2007 02:50:15PM FILED/CERT


Handwritten signature

EXHIBIT B

[DEPICTION OF ACCESS AREA]

A depiction of the Access Area is the area cross-hatched on the page which follows with pagination of "Exhibit B/Page 2 of 2" running off of the right of way of Mullins Drive.

Initials of Signing Representatives of Parties



As to Grantor

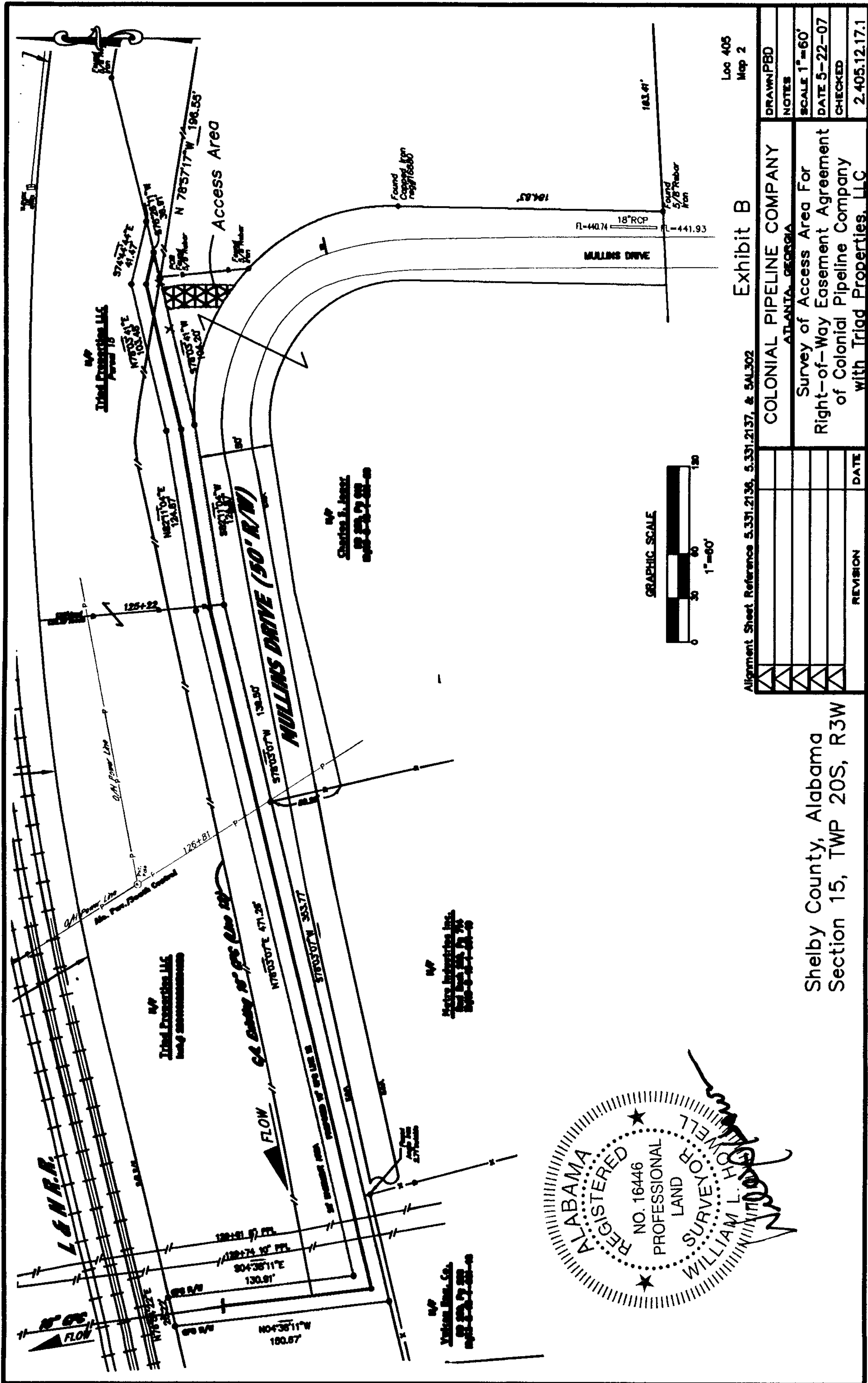


As to Grantee





20071011000474360 14/25 \$88.00
Shelby Cnty Judge of Probate, AL
10/11/2007 02:50:15PM FILED/CERT



Loc 405
Map 2

Exhibit B

Alignment Sheet Reference 5.331.2136, 5.331.2137, & 5AL302

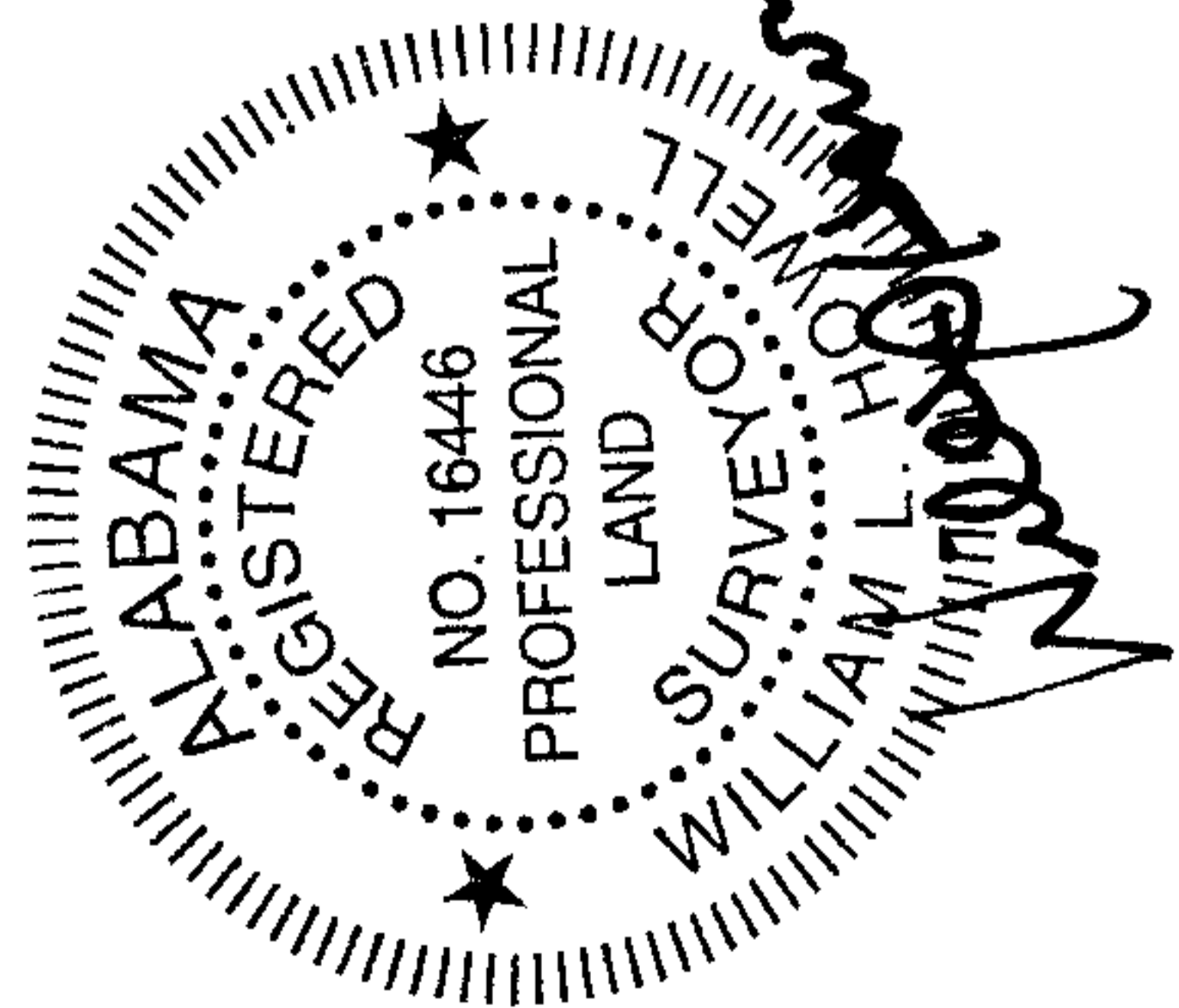
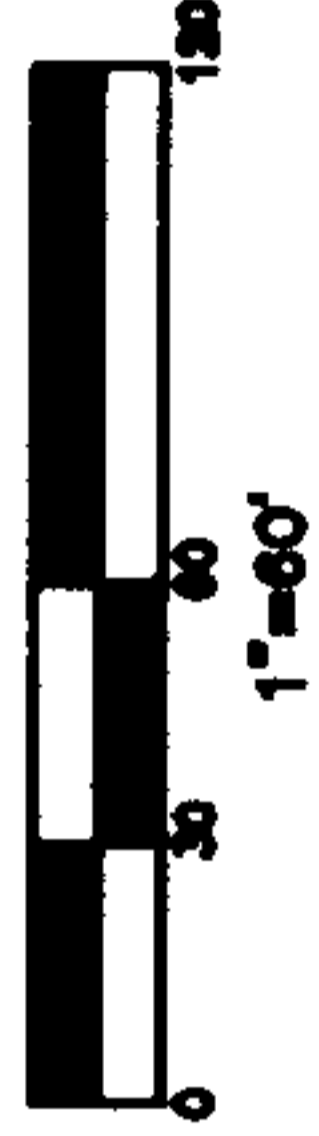
DRAWN/PBD	Loc 405 Map 2
NOTES	
SCALE	1"=60'
DATE	5-22-07
CHECKED	
	2.405.12.17.1

COLONIAL PIPELINE COMPANY
ATLANTA, GEORGIA

Survey of Access Area For
Right-of-Way Easement Agreement
of Colonial Pipeline Company
with Triad Properties, LLC

Shelby County, Alabama
Section 15, TWP 20S, R3W

GRAPHIC SCALE



William L. Howell

20071011000474360 15/25 \$88.00
Shelby Cnty Judge of Probate, AL
10/11/2007 02:50:15PM FILED/CERT

RESEARCH SOLVENTS RAIL SPUR

MULLINS DRIVE

SECTION 15, TOWNSHIP 20 SOUTH, RANGE 3 WEST

SHELBY, ALABAMA

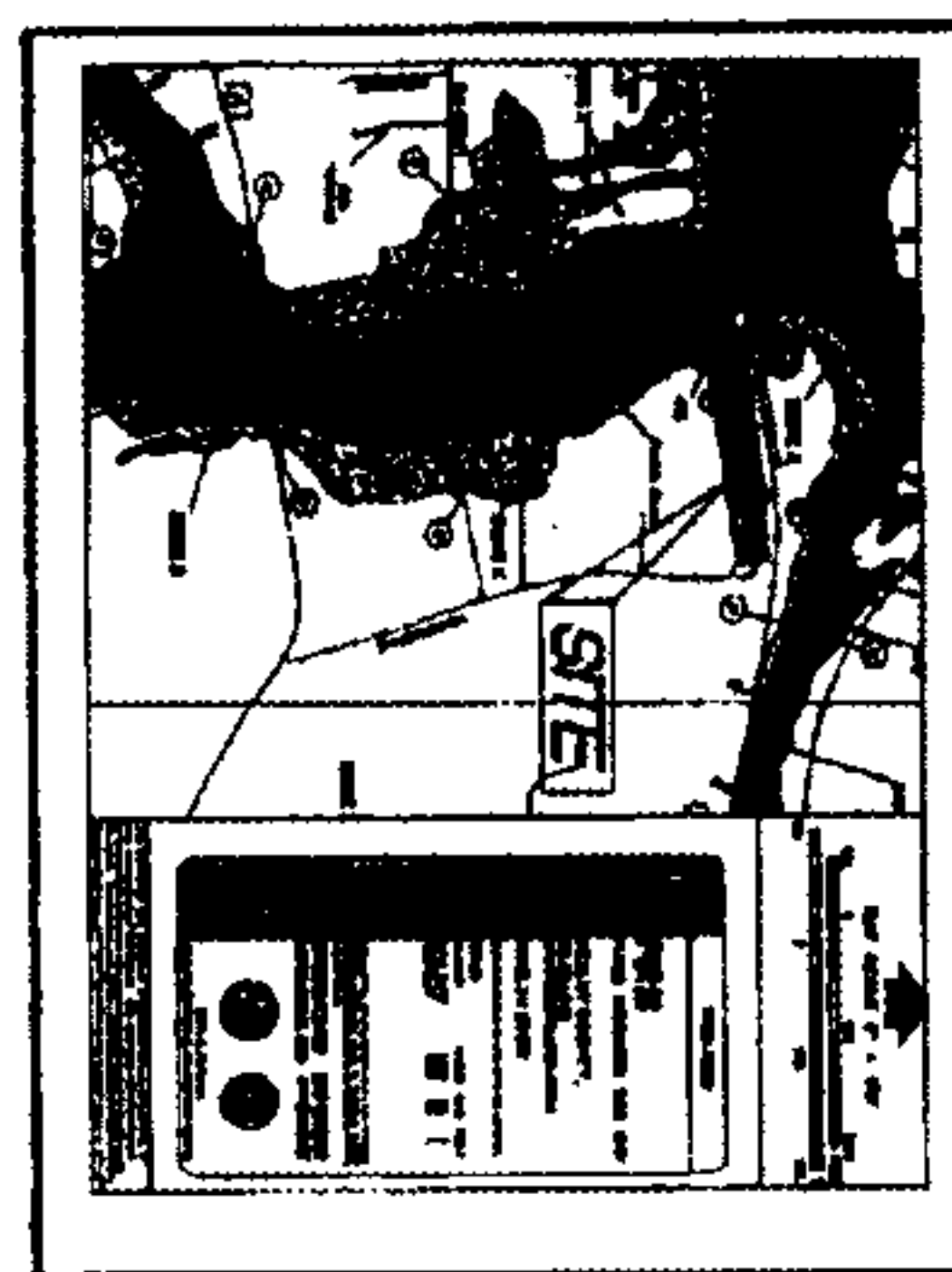
RESEARCH SOLVENTS RAIL SPUR
MARCH 30, 2007

20071011000474360 16/25 \$88.00
Shelby Cnty Judge of Probate, AL
10/11/2007 02:50:15PM FILED/CERT

GENERAL NOTES
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE AND FEDERAL AGENCIES.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES.
3. ALL UTILITIES SHALL BE PROTECTED AND DEEPER THAN THE ORIGINAL GRADE.
4. THE CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD.
5. ALL MATERIALS SHALL BE STORED PROPERLY TO PREVENT POLLUTION.
6. THE CONTRACTOR SHALL MAINTAIN PROPER RECORDS OF ALL CONSTRUCTION ACTIVITIES.
7. ALL WORK SHALL BE COMPLETED WITHIN THE SPECIFIED TIME FRAME.
8. THE CONTRACTOR SHALL MAINTAIN PROPER SAFETY MEASURES AT ALL TIMES.
9. ALL MATERIALS SHALL BE Hauled TO THE APPROPRIATE DISPOSAL FACILITY.
10. THE CONTRACTOR SHALL MAINTAIN PROPER RECORDS OF ALL CONSTRUCTION ACTIVITIES.



AERIAL MAP



SITE PLAN

RESEARCH SOLVENTS
APRIL 2, 2007



LAI ENGINEERING
ONE PERIMETER PARK SOUTH
SUITE 440 SOUTH
BIRMINGHAM, ALABAMA 35243
PHONE: 205.503.4660
FAX: 205.503.4663
EMAIL: INFO@LAIENGINEERING.COM

24-HR EMERGENCY CONTACT: RON HAMILTON (205) 663-6360

- SHEET INDEX**
- C1 COVER SHEET
 - C2 SITE
 - C3 GRADING PLAN
 - C4 EROSION CONTROL PLAN
 - C5 DETAILS
 - C6 DETAILS

CONTACT LIST

PLANNING AND ZONING DEPARTMENT
615 HAY ST
MONTGOMERY, AL 36102
PH: (205) 663-2181

SITE OF RESEARCH SOLVENTS DEPARTMENT
SUITE 440 SOUTH
ONE PERIMETER PARK SOUTH
BIRMINGHAM, AL 35243
PHONE: (205) 663-7141

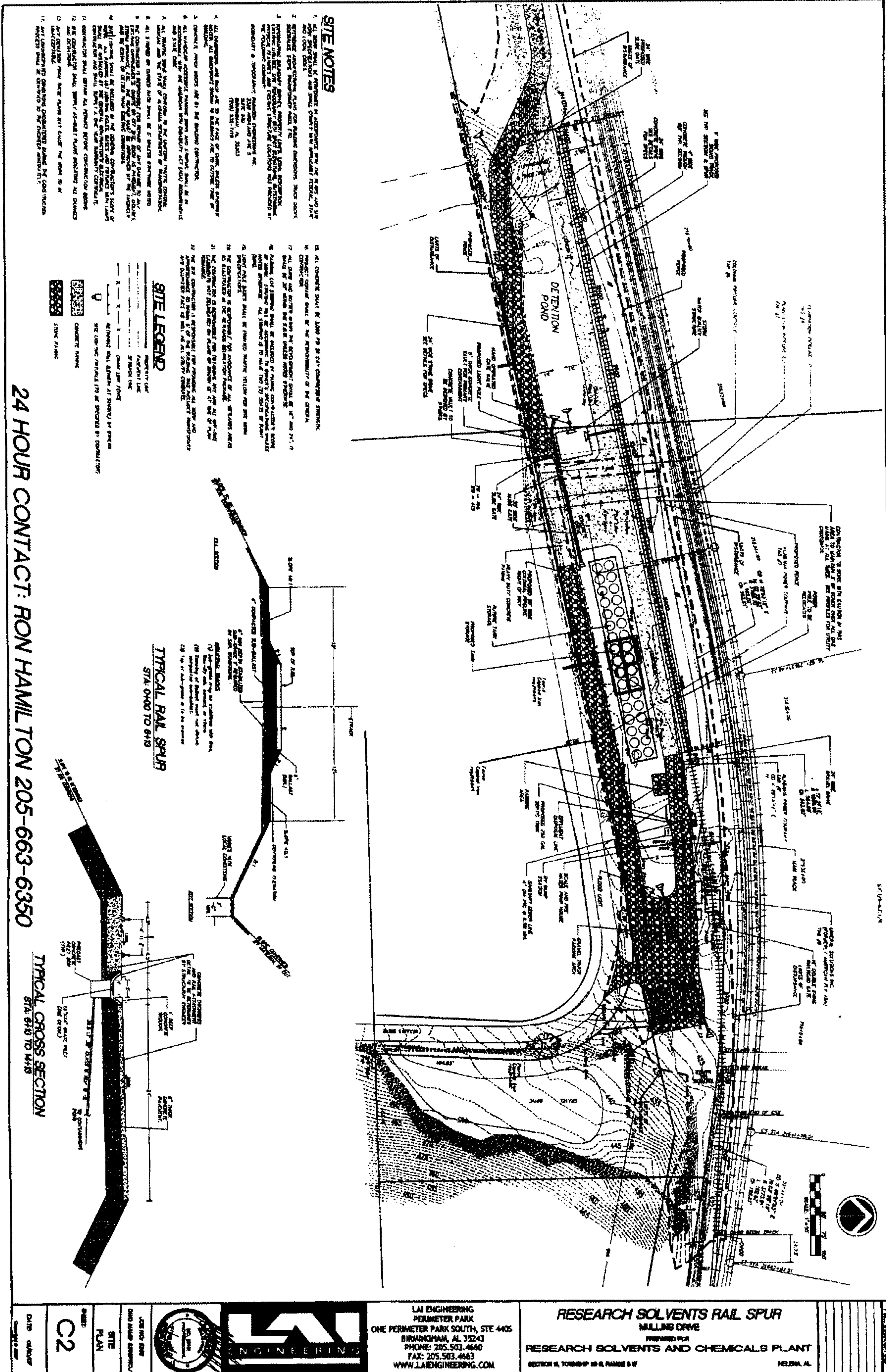
ALABAMA ENGINEER COMPANY
2 FULTON AVE. 25TH FLOOR
605 CAROLIN, DIRECTOR
PH: (205) 333-6091

RESEARCH SOLVENTS
SUITE 440 SOUTH
ONE PERIMETER PARK SOUTH
BIRMINGHAM, AL 35243
PHONE: (205) 503-4660

PREPARED FOR
RESEARCH SOLVENTS
AND CHEMICALS PLANT
MULLINS DRIVE
(205) 503-4660

Alabama Line
Location Center, Inc.
1-800-292-8525
200-444 (Alabama Line)
and 2 working days before dig
17.9 (2007 Law)

	<p>LAI ENGINEERING ONE PERIMETER PARK SOUTH, STE 440S BIRMINGHAM, AL 35243 PHONE: 205.503.4660 FAX: 205.503.4663 WWW.LAIENGINEERING.COM</p>	<p>RESEARCH SOLVENTS RAIL SPUR MULLINS DRIVE</p> <p>PREPARED FOR RESEARCH SOLVENTS AND CHEMICALS PLANT</p> <p>SECTION 15, TOWNSHIP 20 S, RANGE 3 W SHELBY COUNTY, HELIXIA, ALABAMA</p>
DATE: 03/30/07	DRAWN: RHM	CHECKED: RHM
SCALE: AS SHOWN	SHEET: 1 OF 6	PROJECT: RSC



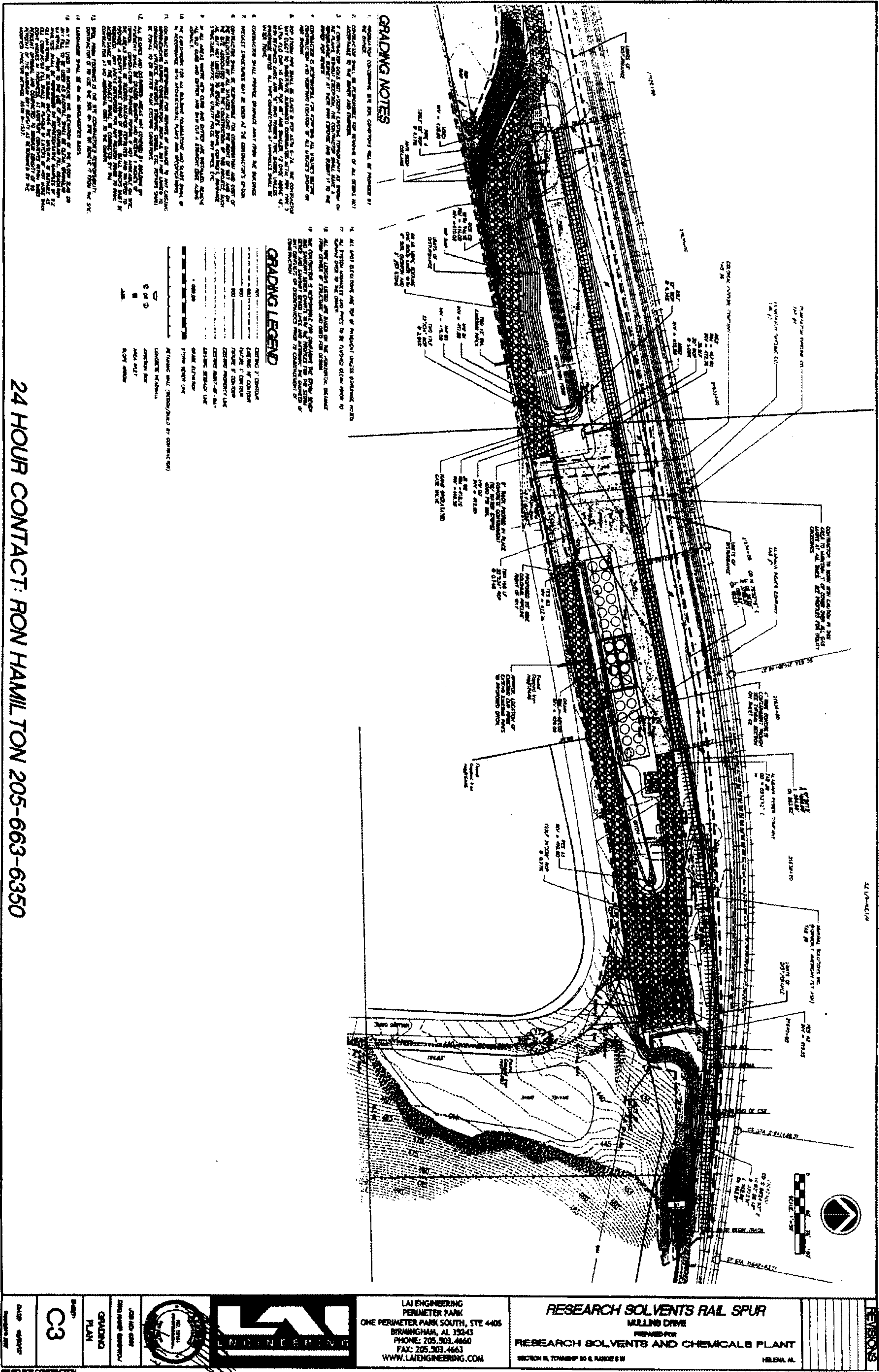
24 HOUR CONTACT: RON HAMILTON 205-663-6350

DATE: 06/06/07	DATE: 06/06/07	DATE: 06/06/07	DATE: 06/06/07	DATE: 06/06/07
NO. 02	NO. 02	NO. 02	NO. 02	NO. 02
DATE: 06/06/07	DATE: 06/06/07	DATE: 06/06/07	DATE: 06/06/07	DATE: 06/06/07

LA ENGINEERING
PERIMETER PARK
ONE PERIMETER PARK SOUTH, STE 4405
BIRMINGHAM, AL 35243
PHONE: 205.503.4660
FAX: 205.503.4663
WWW.LAENGINEERING.COM

RESEARCH SOLVENTS RAIL SPUR
MILLING DRIVE
RESEARCH SOLVENTS AND CHEMICALS PLANT
SECTION 11, TOWNSHIP 10 S & RANGE 8 W
HELONA, AL

20071011000474360 17/25 \$88.00
Shelby Cnty Judge of Probate, AL
10/11/2007 02:50:15PM FILED/CERT



GRADING NOTES

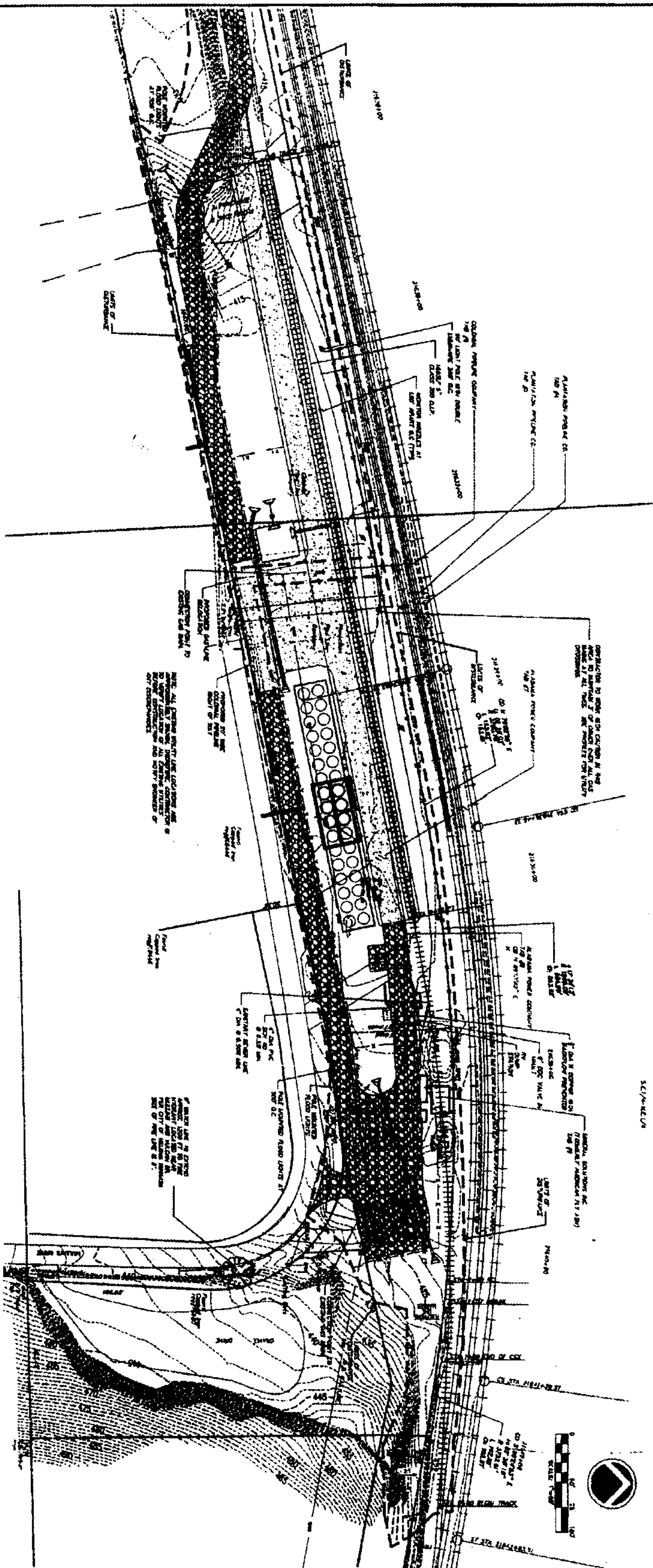
1. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL AFFECTED AGENCIES.
2. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING UTILITIES AND STRUCTURES AT ALL TIMES.
3. CONTRACTOR SHALL MAINTAIN PROPER DRAINAGE AND EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
4. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
5. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
6. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
7. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
8. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
9. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
10. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
11. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
12. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
13. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
14. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
15. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
16. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
17. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
18. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
19. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.
20. CONTRACTOR SHALL MAINTAIN PROPER EROSION CONTROL MEASURES THROUGHOUT THE PROJECT.

GRADING LEGEND

---	EXISTING 2' CENTER
---	EXISTING 4' CENTER
---	EXISTING 6' CENTER
---	EXISTING 8' CENTER
---	EXISTING 10' CENTER
---	EXISTING 12' CENTER
---	EXISTING 14' CENTER
---	EXISTING 16' CENTER
---	EXISTING 18' CENTER
---	EXISTING 20' CENTER
---	EXISTING 22' CENTER
---	EXISTING 24' CENTER
---	EXISTING 26' CENTER
---	EXISTING 28' CENTER
---	EXISTING 30' CENTER
---	EXISTING 32' CENTER
---	EXISTING 34' CENTER
---	EXISTING 36' CENTER
---	EXISTING 38' CENTER
---	EXISTING 40' CENTER
---	EXISTING 42' CENTER
---	EXISTING 44' CENTER
---	EXISTING 46' CENTER
---	EXISTING 48' CENTER
---	EXISTING 50' CENTER
---	EXISTING 52' CENTER
---	EXISTING 54' CENTER
---	EXISTING 56' CENTER
---	EXISTING 58' CENTER
---	EXISTING 60' CENTER
---	EXISTING 62' CENTER
---	EXISTING 64' CENTER
---	EXISTING 66' CENTER
---	EXISTING 68' CENTER
---	EXISTING 70' CENTER
---	EXISTING 72' CENTER
---	EXISTING 74' CENTER
---	EXISTING 76' CENTER
---	EXISTING 78' CENTER
---	EXISTING 80' CENTER
---	EXISTING 82' CENTER
---	EXISTING 84' CENTER
---	EXISTING 86' CENTER
---	EXISTING 88' CENTER
---	EXISTING 90' CENTER
---	EXISTING 92' CENTER
---	EXISTING 94' CENTER
---	EXISTING 96' CENTER
---	EXISTING 98' CENTER
---	EXISTING 100' CENTER

24 HOUR CONTACT: RON HAMILTON 205-663-6350

	LAI ENGINEERING PERIMETER PARK SOUTH, STE 4405 BRIMMINGHAM, AL 35243 PHONE: 205.303.4660 FAX: 205.303.4663 WWW.LAIENGINEERING.COM	RESEARCH SOLVENTS RAIL SPUR MILLING DRIVE PREPARED FOR RESEARCH SOLVENTS AND CHEMICALS PLANT SECTION 10, TOWNSHIP 20 S, RANGE 6 W HELENA, AL	
	DATE: 08/06/2007 DRAWN BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name]	REVISIONS	

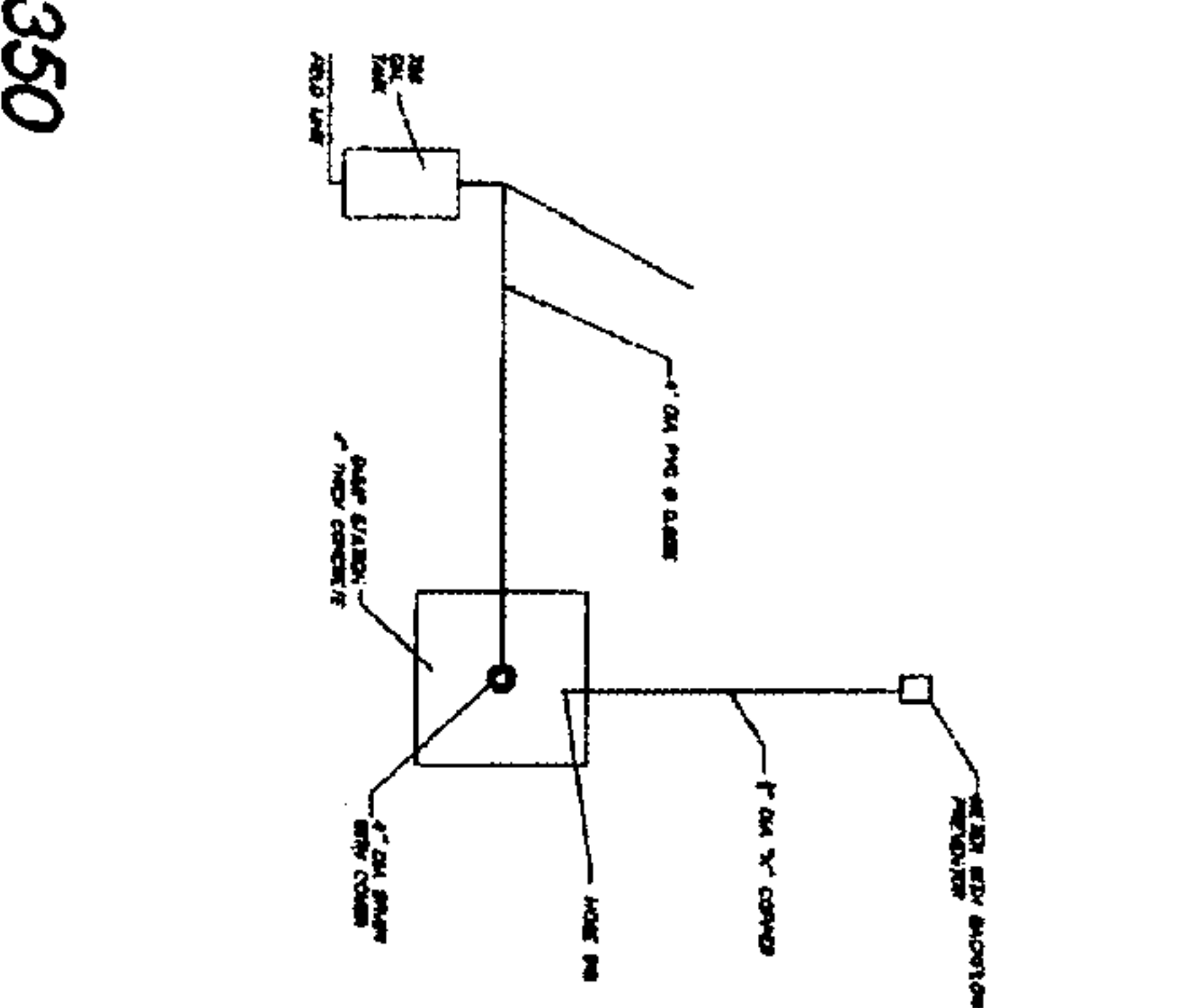


- UTILITY NOTES**
1. ALL UTILITIES SHOWN ARE BASED ON RECORD DRAWINGS AND FIELD SURVEY. ALL UTILITIES ARE TO BE DELETED FROM THE DRAWINGS IF NOT SHOWN ON THESE DRAWINGS.
 2. THE DEPTH OF ALL UTILITIES SHALL BE AS SHOWN ON THESE DRAWINGS. IF THE DEPTH IS NOT SHOWN, THE UTILITIES SHALL BE ASSUMED TO BE AT THE STANDARD DEPTH FOR THAT TYPE OF UTILITY.
 3. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 4. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 5. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 6. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 7. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 8. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 9. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 10. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 11. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 12. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 13. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 14. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
 15. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.

16. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
17. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
18. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
19. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
20. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
21. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
22. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
23. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
24. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
25. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
26. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
27. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
28. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
29. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.
30. ALL UTILITIES SHALL BE PROTECTED BY A MINIMUM OF 18" OF CONCRETE OR 24" OF ASPHALT.

UTILITY LEGEND

--- 18" ---	GAS SERVICE
--- 24" ---	SEWER SERVICE
--- 36" ---	WATER SERVICE
--- 48" ---	INDUSTRIAL WATER SERVICE
--- 60" ---	INDUSTRIAL WATER SERVICE
--- 72" ---	INDUSTRIAL WATER SERVICE
--- 84" ---	INDUSTRIAL WATER SERVICE
--- 96" ---	INDUSTRIAL WATER SERVICE
--- 108" ---	INDUSTRIAL WATER SERVICE
--- 120" ---	INDUSTRIAL WATER SERVICE
--- 132" ---	INDUSTRIAL WATER SERVICE
--- 144" ---	INDUSTRIAL WATER SERVICE
--- 156" ---	INDUSTRIAL WATER SERVICE
--- 168" ---	INDUSTRIAL WATER SERVICE
--- 180" ---	INDUSTRIAL WATER SERVICE
--- 192" ---	INDUSTRIAL WATER SERVICE
--- 204" ---	INDUSTRIAL WATER SERVICE
--- 216" ---	INDUSTRIAL WATER SERVICE
--- 228" ---	INDUSTRIAL WATER SERVICE
--- 240" ---	INDUSTRIAL WATER SERVICE
--- 252" ---	INDUSTRIAL WATER SERVICE
--- 264" ---	INDUSTRIAL WATER SERVICE
--- 276" ---	INDUSTRIAL WATER SERVICE
--- 288" ---	INDUSTRIAL WATER SERVICE
--- 300" ---	INDUSTRIAL WATER SERVICE
--- 312" ---	INDUSTRIAL WATER SERVICE
--- 324" ---	INDUSTRIAL WATER SERVICE
--- 336" ---	INDUSTRIAL WATER SERVICE
--- 348" ---	INDUSTRIAL WATER SERVICE
--- 360" ---	INDUSTRIAL WATER SERVICE
--- 372" ---	INDUSTRIAL WATER SERVICE
--- 384" ---	INDUSTRIAL WATER SERVICE
--- 396" ---	INDUSTRIAL WATER SERVICE
--- 408" ---	INDUSTRIAL WATER SERVICE
--- 420" ---	INDUSTRIAL WATER SERVICE
--- 432" ---	INDUSTRIAL WATER SERVICE
--- 444" ---	INDUSTRIAL WATER SERVICE
--- 456" ---	INDUSTRIAL WATER SERVICE
--- 468" ---	INDUSTRIAL WATER SERVICE
--- 480" ---	INDUSTRIAL WATER SERVICE
--- 492" ---	INDUSTRIAL WATER SERVICE
--- 504" ---	INDUSTRIAL WATER SERVICE
--- 516" ---	INDUSTRIAL WATER SERVICE
--- 528" ---	INDUSTRIAL WATER SERVICE
--- 540" ---	INDUSTRIAL WATER SERVICE
--- 552" ---	INDUSTRIAL WATER SERVICE
--- 564" ---	INDUSTRIAL WATER SERVICE
--- 576" ---	INDUSTRIAL WATER SERVICE
--- 588" ---	INDUSTRIAL WATER SERVICE
--- 600" ---	INDUSTRIAL WATER SERVICE



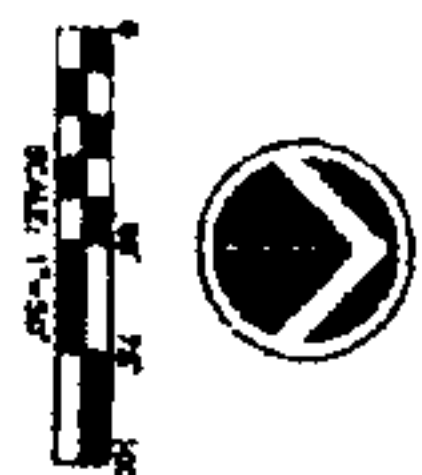
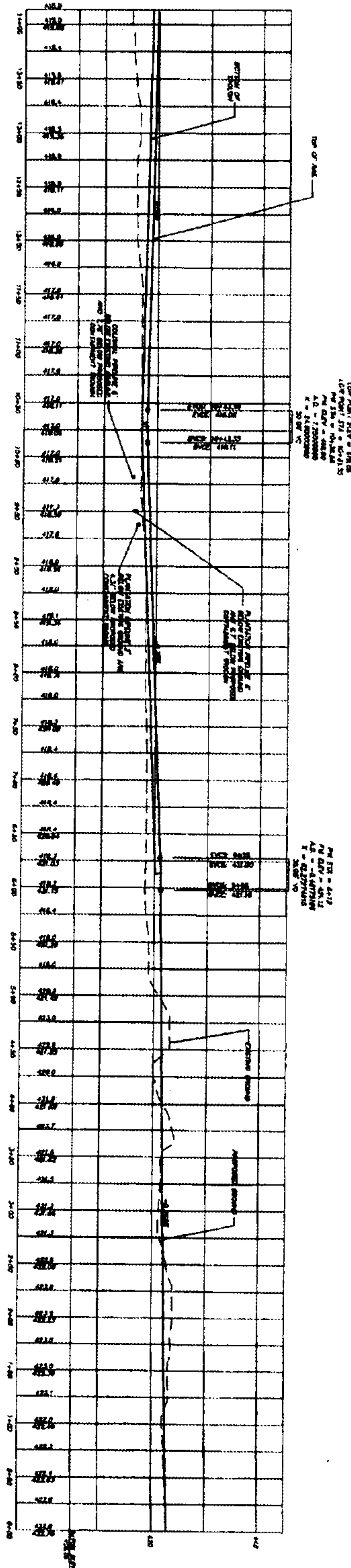
24 HOUR CONTACT: RON HAMILTON 205-663-6350

	LAI ENGINEERING ONE PERIMETER PARK SOUTH, STE 4405 BIRMINGHAM, AL 35243 PHONE: 205.503.4660 FAX: 205.503.4663 WWW.LAIENGINEERING.COM	RESEARCH SOLVENTS RAIL SPUR MALLARD DRIVE PREPARED FOR: RESEARCH SOLVENTS AND CHEMICALS PLANT SECTION 11, TOWNSHIP 08 S, RANGE 13 W HOUSTON, AL
	DATE: 08/06/2007 DRAWN BY: J. HAMILTON CHECKED BY: J. HAMILTON SCALE: AS SHOWN SHEET NO: C5	REVISIONS:
	DATE: 08/06/2007 DRAWN BY: J. HAMILTON CHECKED BY: J. HAMILTON SCALE: AS SHOWN SHEET NO: C5	REVISIONS:

20071011000474360 20/25 \$88.00
 Shelby Cnty Judge of Probate, AL
 10/11/2007 02:50:15PM FILED/CERT

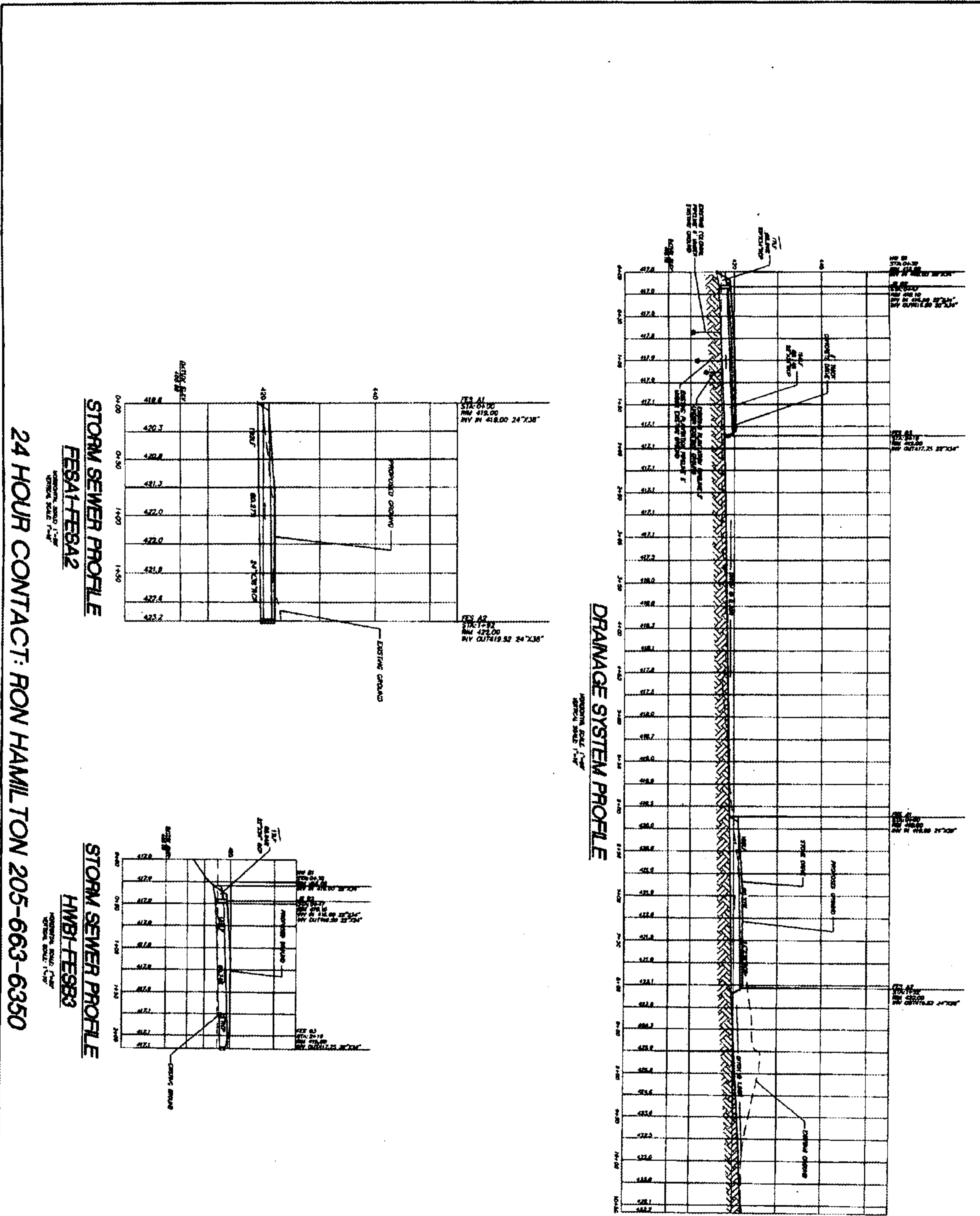
24 HOUR CONTACT: RON HAMILTON 205-663-6350

RAILROAD PROFILE
SECTION 8, TOWNSHIP 20 S, RANGE 8 W



		LAI ENGINEERING PERIMETER PARK ONE PERIMETER PARK SOUTH, STE 440S BIRMINGHAM, AL 35243 PHONE: 205.503.4660 FAX: 205.503.4663 WWW.LAIENGINEERING.COM	RESEARCH SOLVENTS RAIL SPUR MILLERS DRIVE PREPARED FOR RESEARCH SOLVENTS AND CHEMICALS PLANT SECTION 8, TOWNSHIP 20 S, RANGE 8 W HELENA, AL	REVISIONS <table border="1"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																				
DATE: 08/06/2007 TIME: 13:49 DRAWN BY: CROFTON CHECKED BY: HAMILTON PROJECT: RAILROAD PROFILE SHEET: 06 OF 06	C6	NOT BE USED FOR CONSTRUCTION																						

20071011000474360 21/25 \$88.00
 Shelby Cnty Judge of Probate, AL
 10/11/2007 02:50:15PM FILED/CERT



24 HOUR CONTACT: RON HAMILTON 205-663-6350

	LAI ENGINEERING PERIMETER PARK SOUTH, STE 4405 BIRMINGHAM, AL 35243 PHONE: 205.503.4660 FAX: 205.503.4663 WWW.LAIENGINEERING.COM	RESEARCH SOLVENTS RAIL SPUR MULLINS DRIVE PREPARED FOR RESEARCH SOLVENTS AND CHEMICALS PLANT SECTION 9, TOWNSHIP 20 S, RANGE 8 W HB, BMA, AL	REVISIONS _____ _____ _____ _____ _____
	DATE: 08/06/07 DRAWN BY: [blank] CHECKED BY: [blank]	PROJECT: C7 PROFILE PLAN DATE: 08/06/07	NOT REBID FOR CONSTRUCTION

20071011000474360 22/25 \$88.00
 Shelby Cnty Judge of Probate, AL
 10/11/2007 02:50:15PM FILED/CERT

CONSTRUCTION DETAILS

SECTION A-A

PRECAST STORAGE STRUCTURE

CONCRETE

REINFORCEMENT

ASPHALT

GRAVEL

PAVEMENT

TABLE 1: SQUARE MANHOLE RIGIDITY CHART (W/IN.-RIGIDITY)

W/D	W/H	RIGIDITY
12"	12"	1.42
12"	18"	1.52
12"	24"	1.58
12"	30"	1.62
12"	36"	1.65
12"	42"	1.68
12"	48"	1.70
12"	54"	1.72
12"	60"	1.74
12"	66"	1.76
12"	72"	1.78
12"	78"	1.80
12"	84"	1.82
12"	90"	1.84
12"	96"	1.86
12"	102"	1.88
12"	108"	1.90
12"	114"	1.92
12"	120"	1.94
12"	126"	1.96
12"	132"	1.98
12"	138"	2.00
12"	144"	2.02
12"	150"	2.04

5360 Catch Basin Inlet

Heavy Duty
330 pounds (150kg) total weight
Approx. 265 sq. in. of opening
Not recommended for bicycle traffic
Grate is bolted to frame with 4 - 1/4" X 2 1/4" bolts

EAST JORDAN IRON WORKS, INC. 1-800-MANHOLE 101
WWW.EJIW.COM

CONCRETE CURB

CONCRETE CURB

CONCRETE CURB

PIPE IN TRENCH/SLIPFRANCE

PIPE IN TRENCH/SLIPFRANCE

PIPE IN TRENCH/SLIPFRANCE

CONCRETE FRAME

CONCRETE FRAME

CONCRETE FRAME

PRECAST DETENTION BASIN OUTLET STRUCTURE

PRECAST DETENTION BASIN OUTLET STRUCTURE

PRECAST DETENTION BASIN OUTLET STRUCTURE

NO.	REVISION	DATE	BY	CHKD.
1	REVISED	10/11/07	RS	RS
2	REVISED	10/11/07	RS	RS
3	REVISED	10/11/07	RS	RS
4	REVISED	10/11/07	RS	RS
5	REVISED	10/11/07	RS	RS

REVISIONS

NO.	DATE	REVISION
1	10/11/07	REVISED
2	10/11/07	REVISED
3	10/11/07	REVISED
4	10/11/07	REVISED
5	10/11/07	REVISED

TEMPORARY STABILIZATION WITH ANTI-CORROSION

ALL MATERIALS SHALL BE STORED AND HANDLED TO PREVENT CORROSION...

FRONT ELEVATION

SIDE ELEVATION

PLAN

FRONT ELEVATION

FRONT ELEVATION

GRATE ASSEMBLY DETAIL

GRATE ASSEMBLY DETAIL

GRATE ASSEMBLY DETAIL

RESEARCH SOLVENTS RAIL SPUR
MULLINS DRIVE
PREPARED FOR
RESEARCH SOLVENTS
HILLSBORO, ALABAMA

LAI ENGINEERING
405 11TH AVENUE
BIRMINGHAM, AL 35214
PHONE: 205.503.4640
FAX: 205.503.4663
WWW.LAENGINEERING.COM

PLM

CS

20071011000474360 23/25 \$88.00
Shelby Cnty Judge of Probate, AL
10/11/2007 02:50:15PM FILED/CERT

GEOSYNTHETIC LINER DETAIL
N.T.S.

RAIL SPUR
N.T.S.

RAIL SPUR DETAIL
N.T.S.

RAIL SPUR DETAIL
N.T.S.

RAIL SPUR DETAIL
N.T.S.

RAIL SPUR DETAIL
N.T.S.

RAIL SPUR DETAIL
N.T.S.

RAIL SPUR DETAIL
N.T.S.

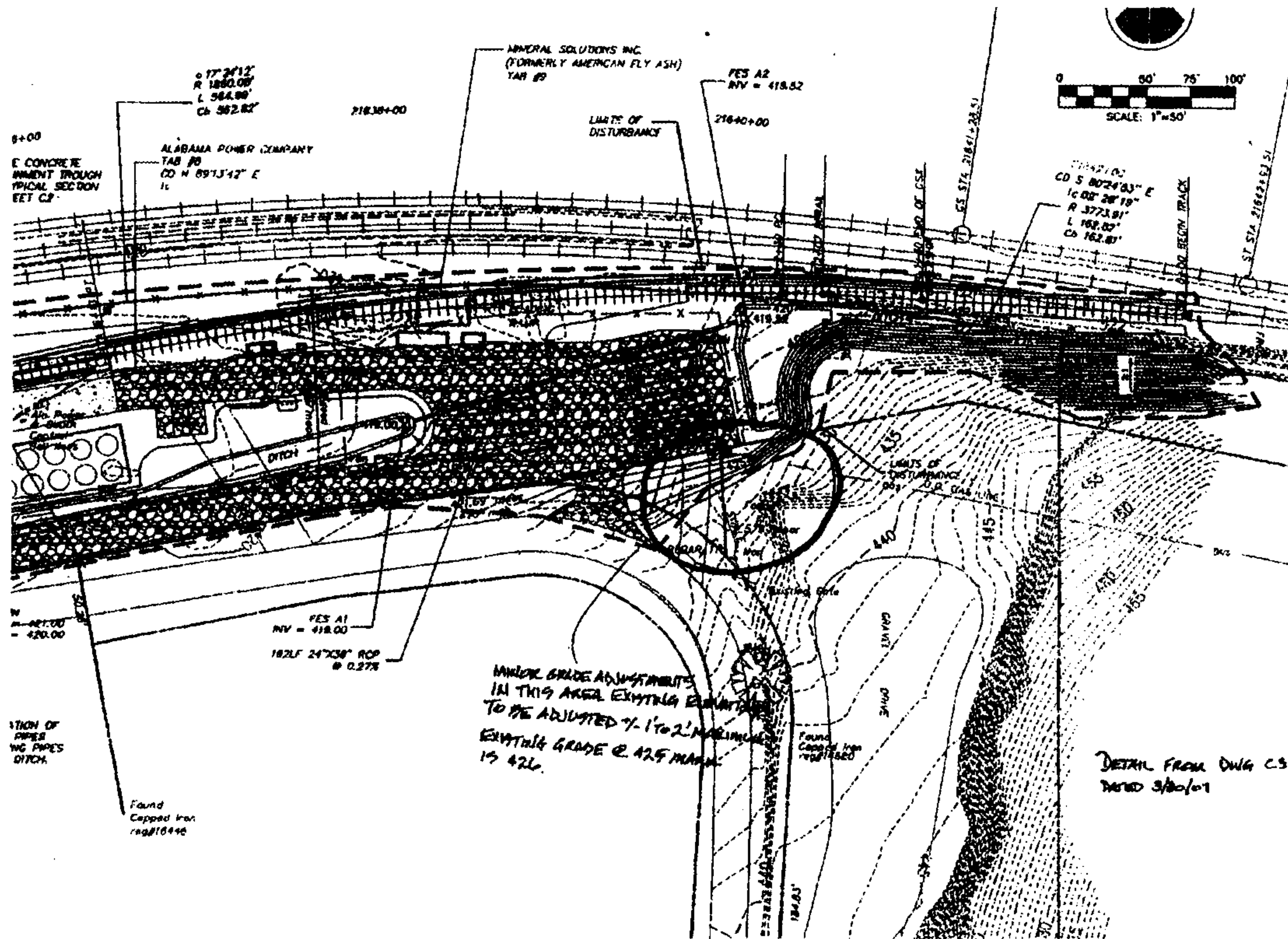
RAIL SPUR DETAIL
N.T.S.

RAIL SPUR DETAIL
N.T.S.

RAIL SPUR DETAIL
N.T.S.

RAIL SPUR DETAIL
N.T.S.

20071011000474360 24/25 \$88.00
 Shelby Cnty Judge of Probate, AL
 10/11/2007 02:50:15PM FILED/CERT



RESEARCH SOLVENTS RAIL SPUR
 MULLINS DRIVE
 PREPARED FOR
RESEARCH SOLVENTS AND CHEMICALS PLANT
SECTION #1 THROUGH #10 & BALANCE

ENGINEERING
 VETER PARK
 TARK SOUTH, STE 4405
 TAM, AL 35243
 205.503.4660
 15.503.4663
 VGINTEGRING.COM

20071011000474360 25/25 \$88.00
 Shelby Cnty Judge of Probate, AL
 10/11/2007 02:50:15PM FILED/CERT