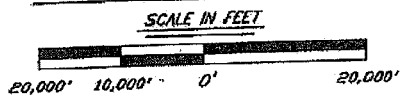


VICINITY MAP



THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.



PLAINS GAS SOLUTIONS

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T155-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1"= 20,000' |
|----------------------|--------------|-------|-------------------|
| DWG. <u>RML</u> | ENGR. _____ | _____ | DWG. NO. |
| CH. <u>LPM</u> | CH. _____ | _____ | P120697-V.DWG |
| DATE <u>03/07/13</u> | APP'D. _____ | _____ | |

| REV. | DESCRIPTION | OWN. | ENGR. | DATE | APP'D |
|------|-------------|------|-------|------|-------|
| | | | | | |



| P.O.E. PROPOSED TWO 20" PLAINS PATTERSON LATERAL PIPELINES: | |
|---|----------|
| X = 3,270,533.00' | (NAD 83) |
| Y = 445,431.10' | |
| LAT = 29° 43' 29.44" | (NAD 83) |
| LONG = 91° 20' 28.08" | |
| X = 1,897,733.55' | (NAD 27) |
| Y = 384,725.48' | |
| LAT = 29° 43' 28.70" | (NAD 27) |
| LONG = 91° 20' 25.71" | |

PROPOSED TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES (TOTAL LENGTH: 58,438')

| P.O.B. PROPOSED TWO 20" PLAINS PATTERSON LATERAL PIPELINES: | |
|---|----------|
| X = 3,269,096.70' | (NAD 83) |
| Y = 433,771.57' | |
| LAT = 29° 41' 34.00" | (NAD 83) |
| LONG = 91° 22' 13.07" | |
| X = 1,988,287.29' | (NAD 27) |
| Y = 373,065.92' | |
| LAT = 29° 41' 33.26" | (NAD 27) |
| LONG = 91° 22' 12.69" | |

SHEET 2

AERIAL VIEW

SCALE IN FEET



THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

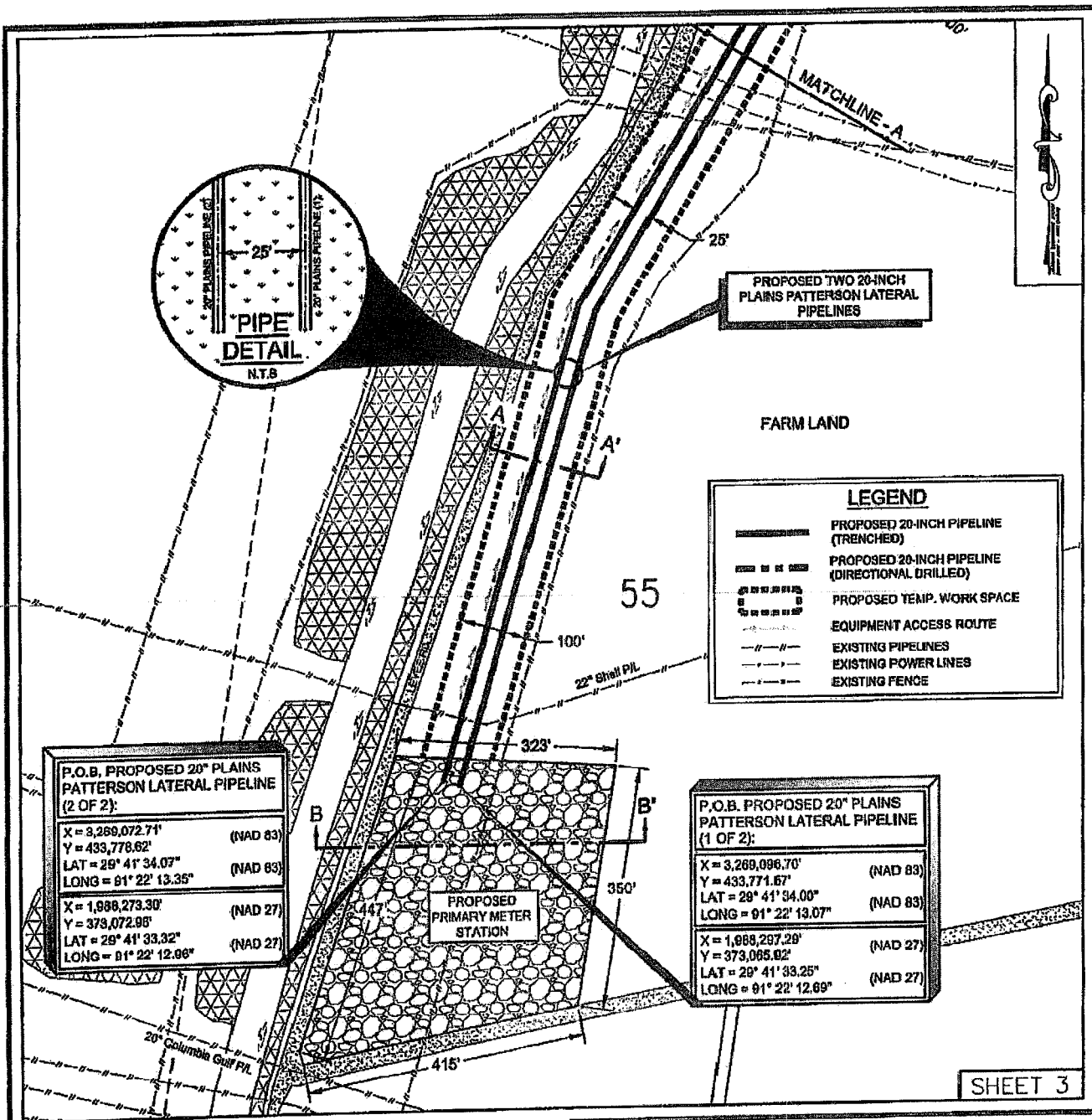


PLAINS GAS SOLUTIONS

PROPOSED INSTALLATION OF TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES, LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55, T15S-R11E ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1"= 2,000' |
|----------------------|--------------|-------|------------------|
| DWG. <u>RML</u> | ENGR. _____ | _____ | DWG. NO. |
| CH. <u>LPM</u> | CH. _____ | _____ | P120697-01.DWG |
| DATE <u>01/30/13</u> | APP'D. _____ | _____ | |

| REV. | DESCRIPTION | OWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
|------|-------------|------|-------|------|--------|



PLAN VIEW



THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

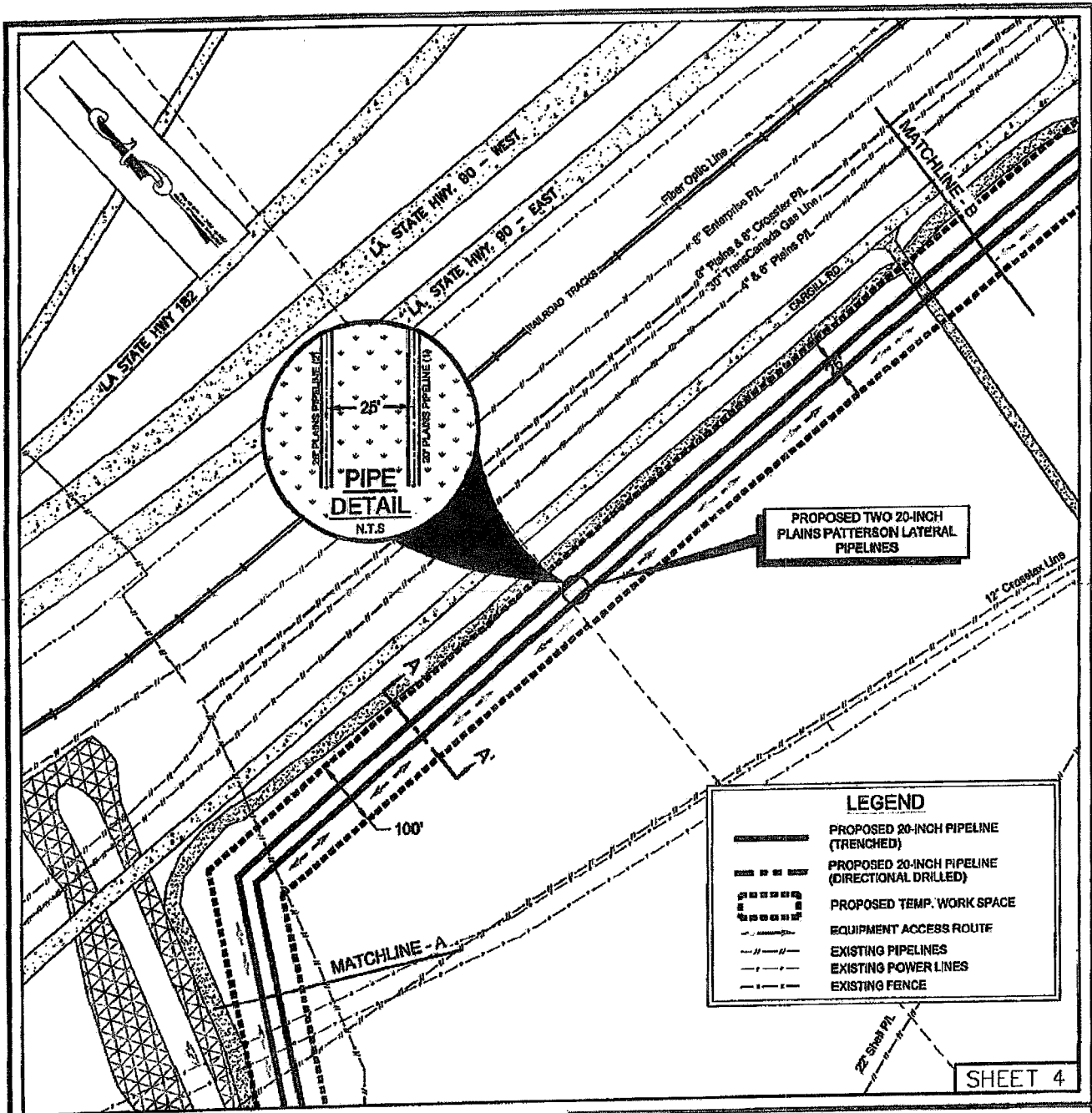


PLAINS GAS SOLUTIONS

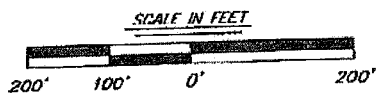
PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T15S-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1" = 200' |
|----------------------|--------------------------|-------------------|-----------------------|
| DWG. <u>RML</u> | ENGR. <u> </u> | <u> </u> | DWG. NO. |
| CH. <u>LPM</u> | CH. <u> </u> | <u> </u> | <u>P120697-02.DWG</u> |
| DATE <u>03/07/13</u> | APP'D. <u> </u> | <u> </u> | |

| REV. | DESCRIPTION | OWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
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PLAN VIEW



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FOR THE ACQUISITION OF REGULATORY PERMITS.

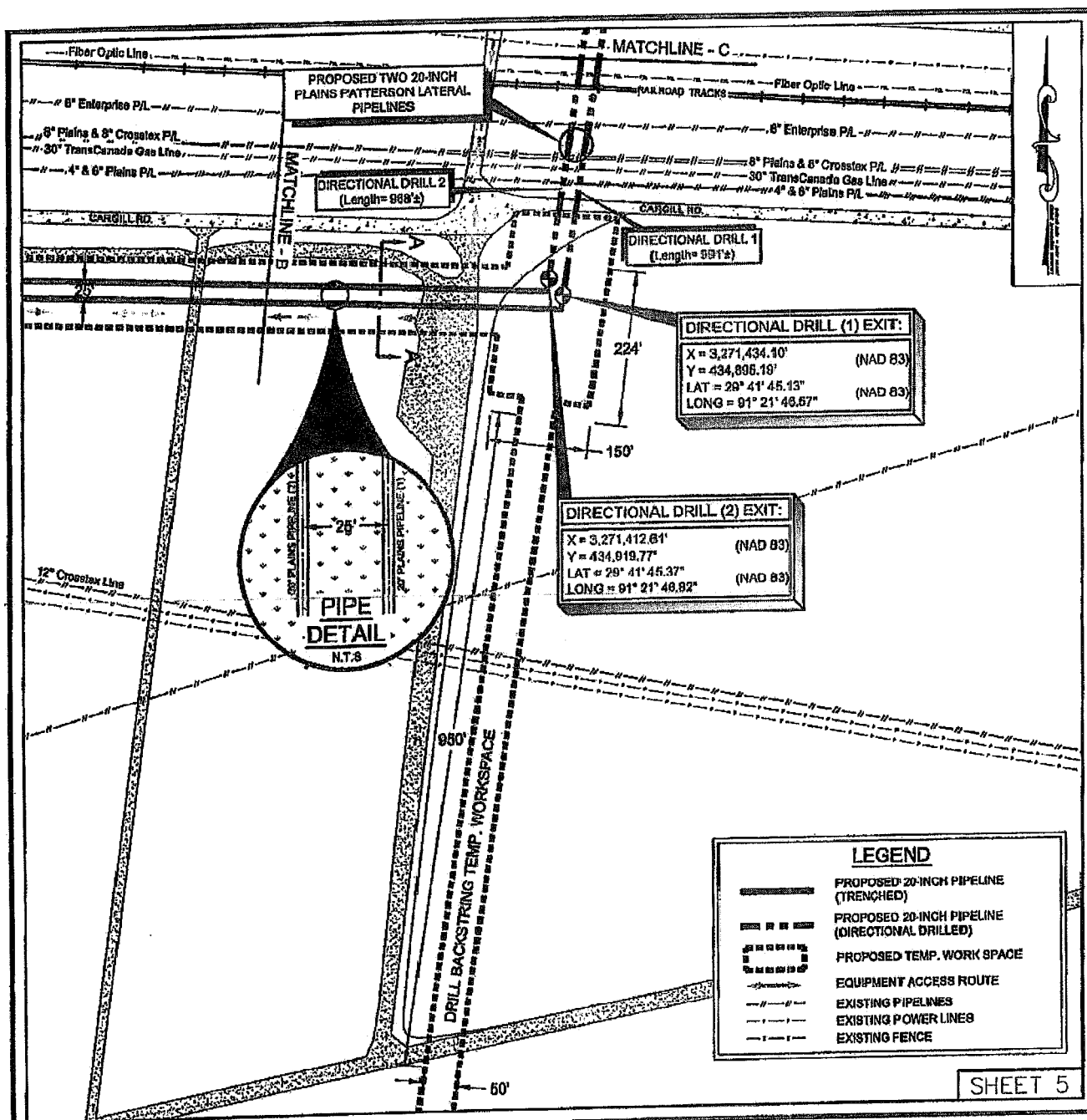


PLAINS GAS SOLUTIONS

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T155-R11E
ST. MARY PARISH, LOUISIANA

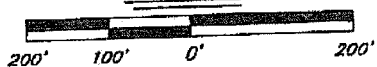
| DRAFTING | ENGINEERING | DATE | SCALE 1"= 200' |
|----------------------|--------------|-------|----------------|
| DWG. <u>RML</u> | ENGR. _____ | _____ | DWG. NO. |
| CH. <u>LPM</u> | CH. _____ | _____ | P120697-02.DWG |
| DATE <u>03/07/13</u> | APP'D. _____ | _____ | |

| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
| | | | | | |



PLAN VIEW

SCALE IN FEET



THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

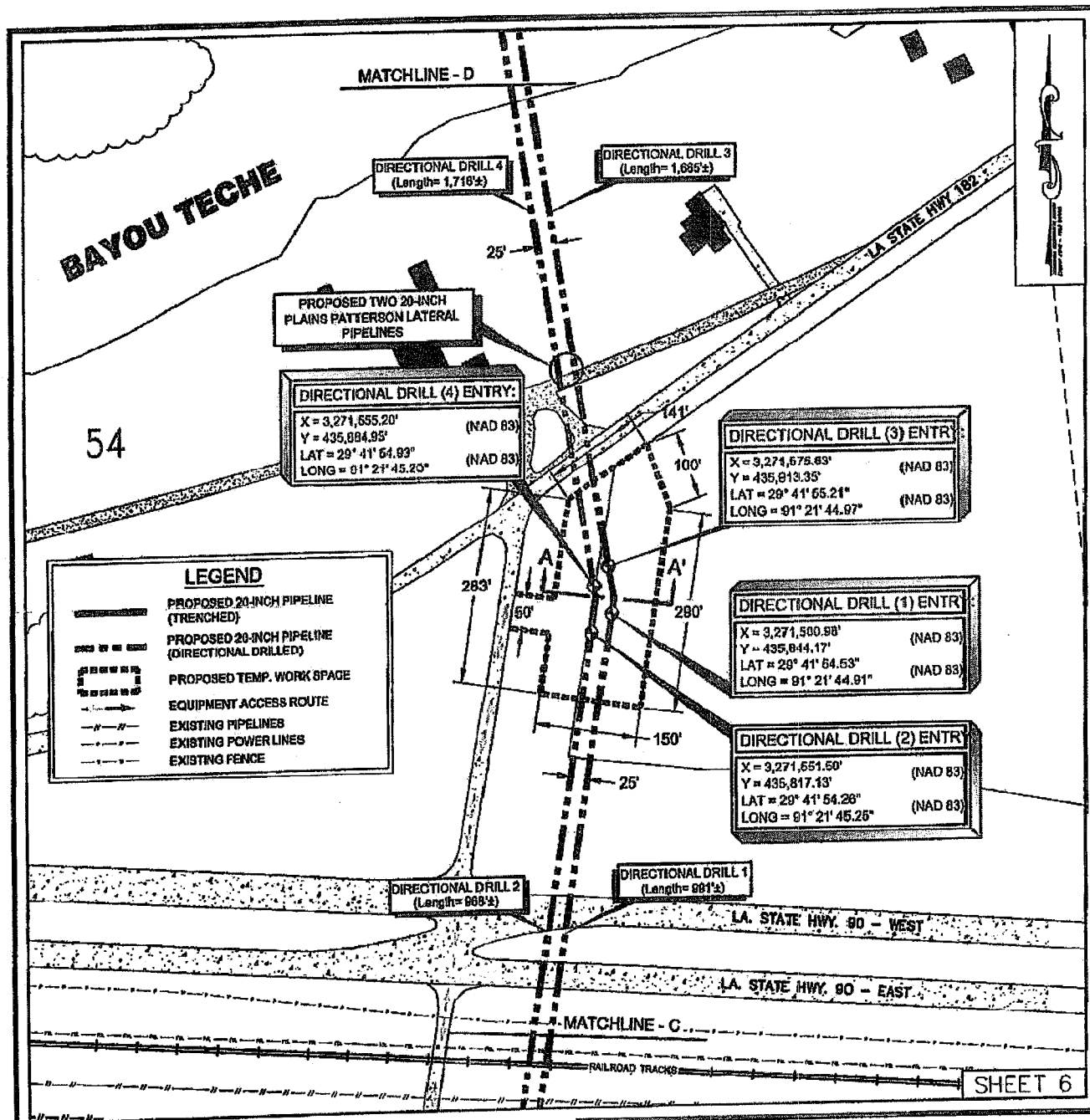


PLAINS GAS SOLUTIONS

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T155-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1" = 200' |
|---------------|--------------|-------|-----------------|
| DWG. RML | ENGR. _____ | _____ | DWG. NO. _____ |
| CH. LPM | CH. _____ | _____ | _____ |
| DATE 03/07/13 | APP'D. _____ | _____ | P120697-02.DWG |

| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
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PLAN VIEW



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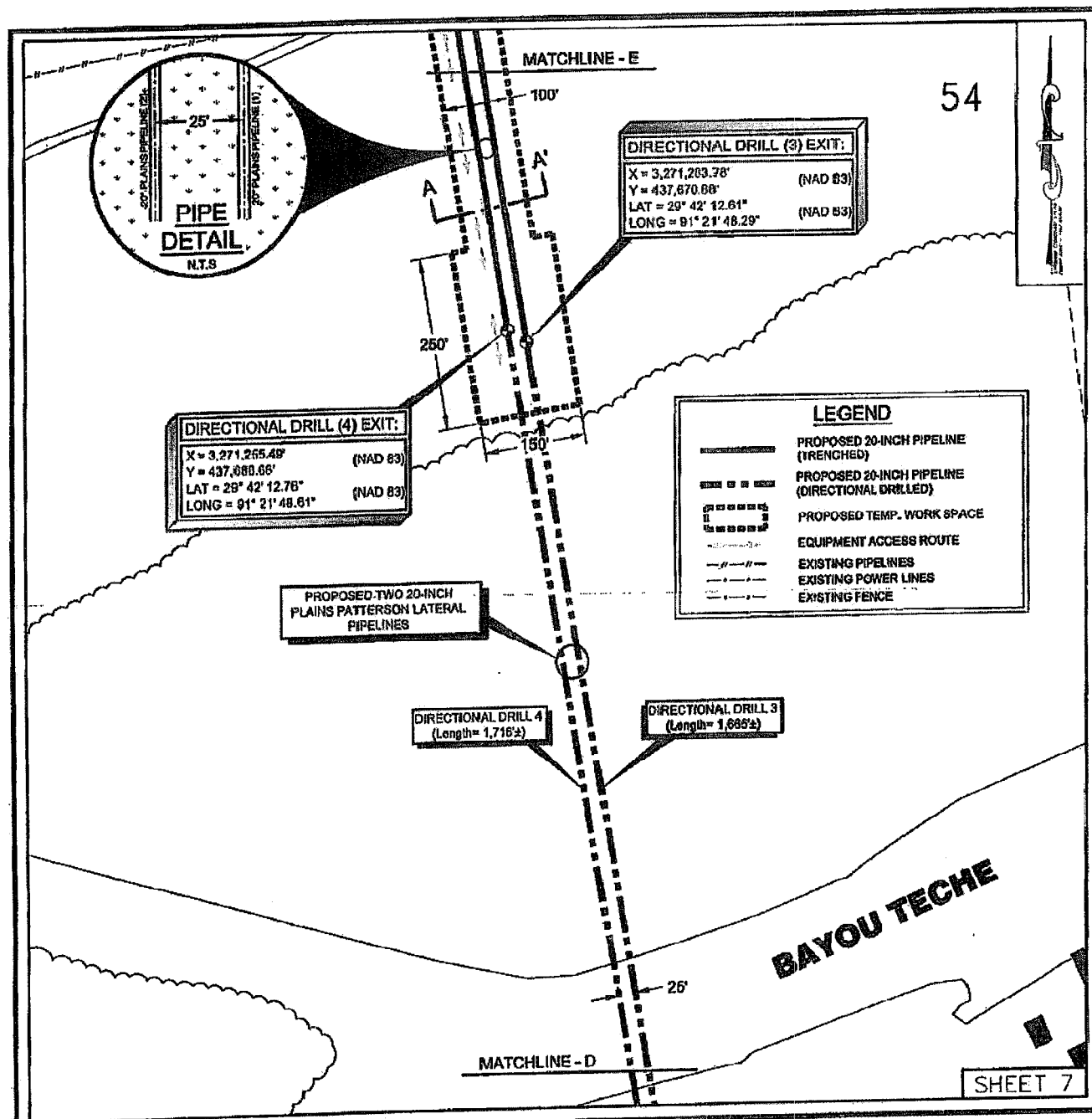


PLAINS GAS SOLUTIONS

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T15S-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1" = 200' |
|---------------|--------------|-------|-----------------|
| DWG. RML | ENGR. _____ | _____ | DWG. NO. |
| CH. LPM | CH. _____ | _____ | P120697-02.DWG |
| DATE 03/07/13 | APP'D. _____ | _____ | |

| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
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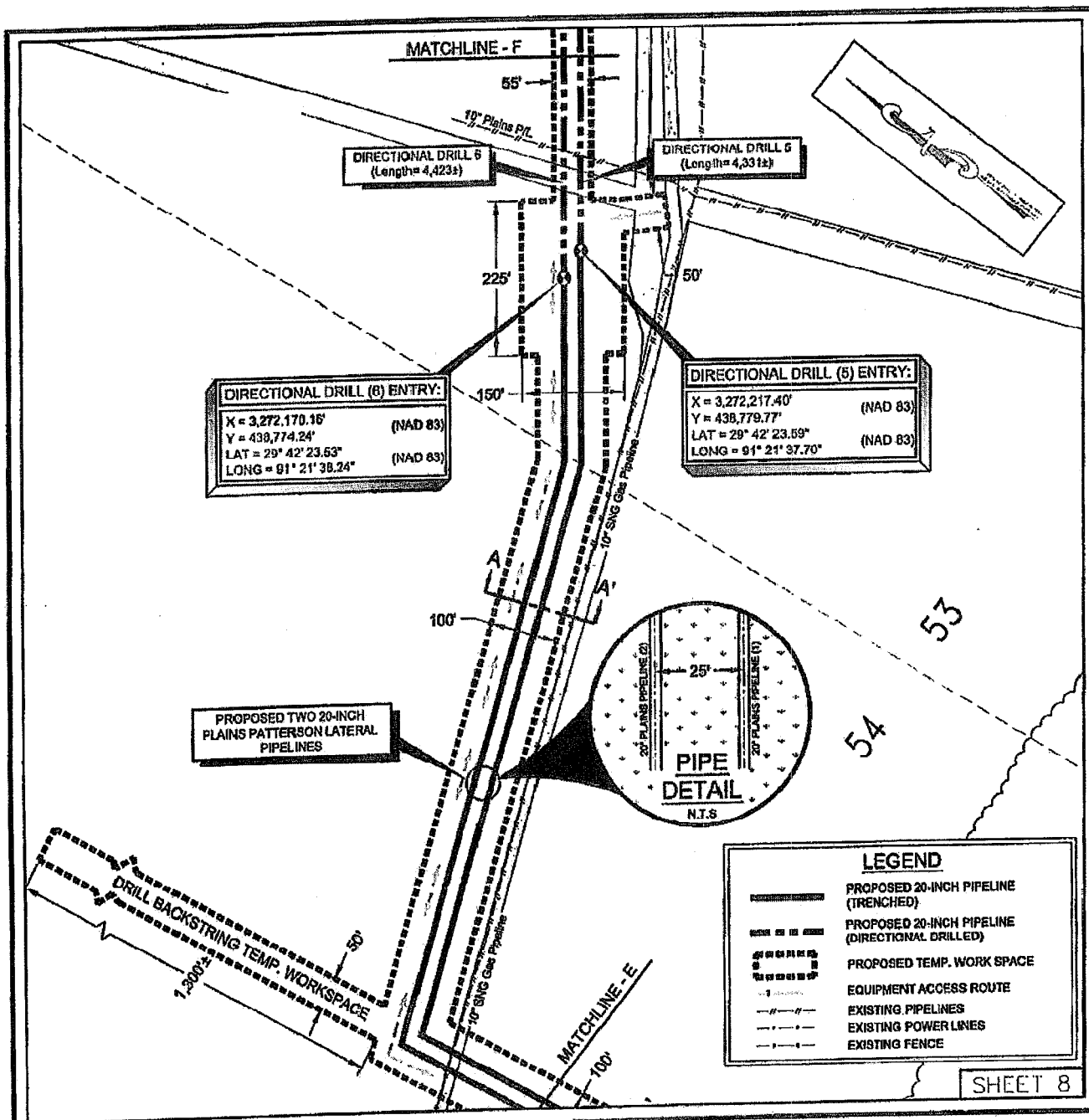
**PLAINS GAS
SOLUTIONS**

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T155-R11E
ST. MARY PARISH, LOUISIANA

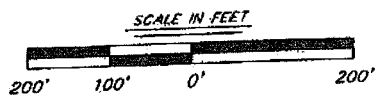
| DRAFTING | ENGINEERING | DATE | SCALE 1" = 200' |
|---------------|--------------|-------|-----------------|
| DWG. RML | ENGR. _____ | _____ | DWG. NO. |
| CH. LPM | CH. _____ | _____ | P120697-02.DWG |
| DATE 03/07/13 | APP'D. _____ | _____ | |

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| REV. | DESCRIPTION | OWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
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PLAN VIEW



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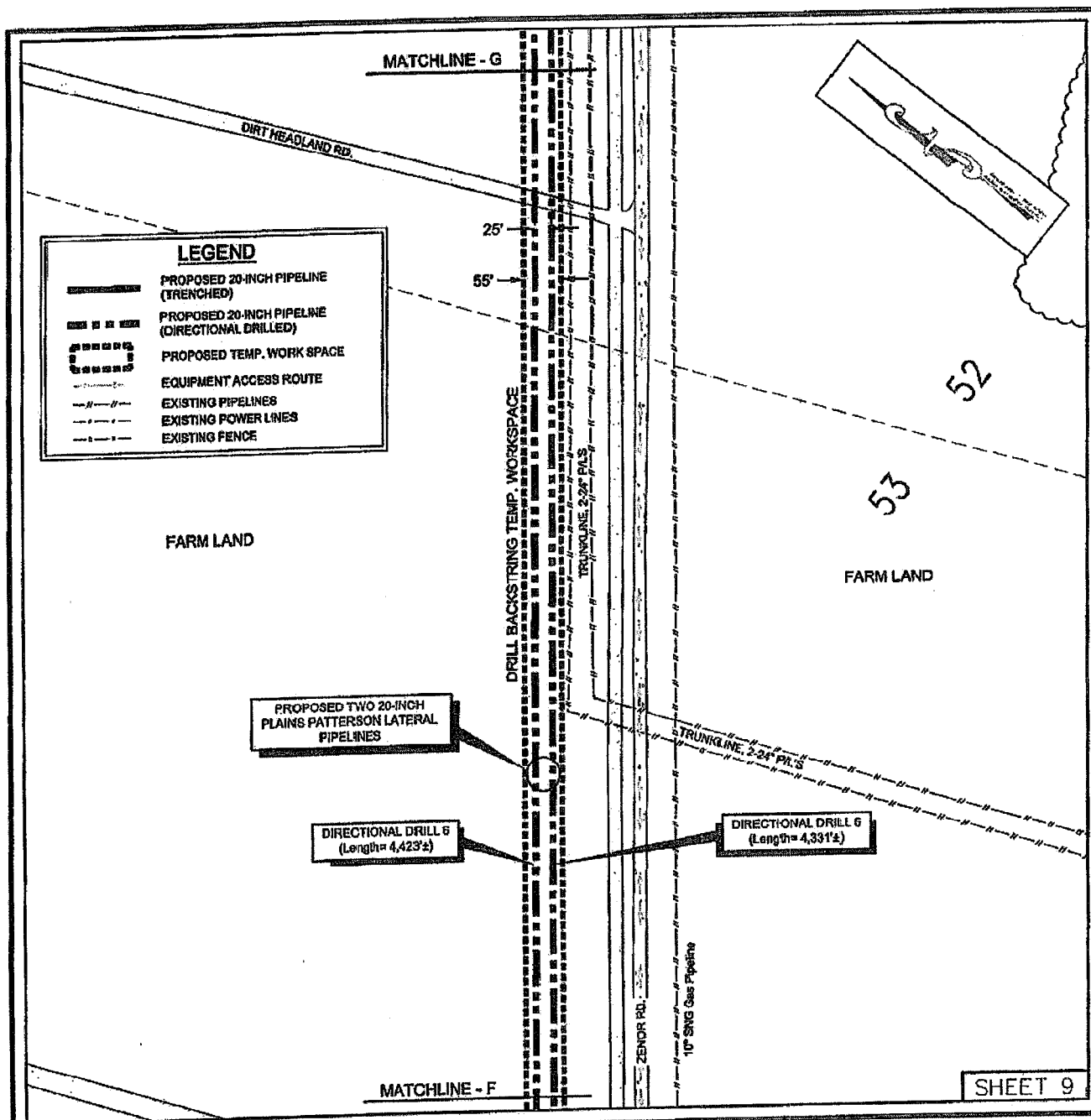


PLAINS GAS SOLUTIONS

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T155-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1" = 200' |
|----------------------|--------------------------|-------------------|-------------------|
| DWG. <u>RML</u> | ENGR. <u> </u> | <u> </u> | DWG. NO. |
| CH. <u>LPM</u> | CH. <u> </u> | <u> </u> | <u> </u> |
| DATE <u>01/30/13</u> | APP'D. <u> </u> | <u> </u> | P120697-02.DWG |

| REV. | DESCRIPTION | DWN. | ENCR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
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THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

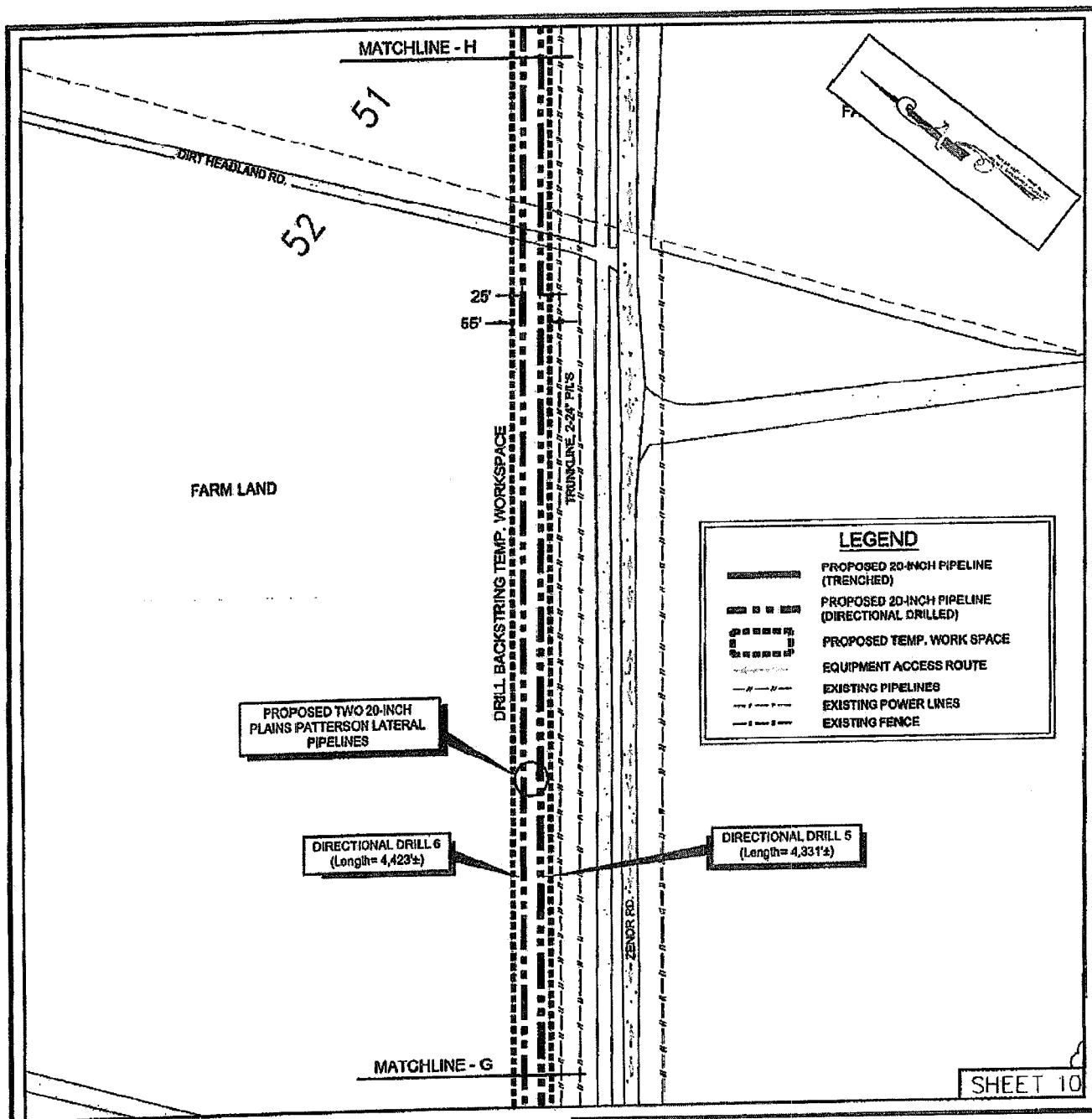


PLAINS GAS SOLUTIONS

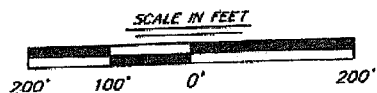
PROPOSED INSTALLATION OF TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES, LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55, T155-R11E, ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1"= 200' |
|---------------|--------------|-------|----------------|
| DWG. RML | ENGR. _____ | _____ | DWG. NO. |
| CH. LPM | CH. _____ | _____ | P120697-02.DWG |
| DATE 03/07/13 | APP'D. _____ | _____ | |

| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
| | | | | | |



PLAN VIEW



THESE DRAWINGS ARE TO BE USED EXCLUSIVELY
FOR THE ACQUISITION OF REGULATORY PERMITS.

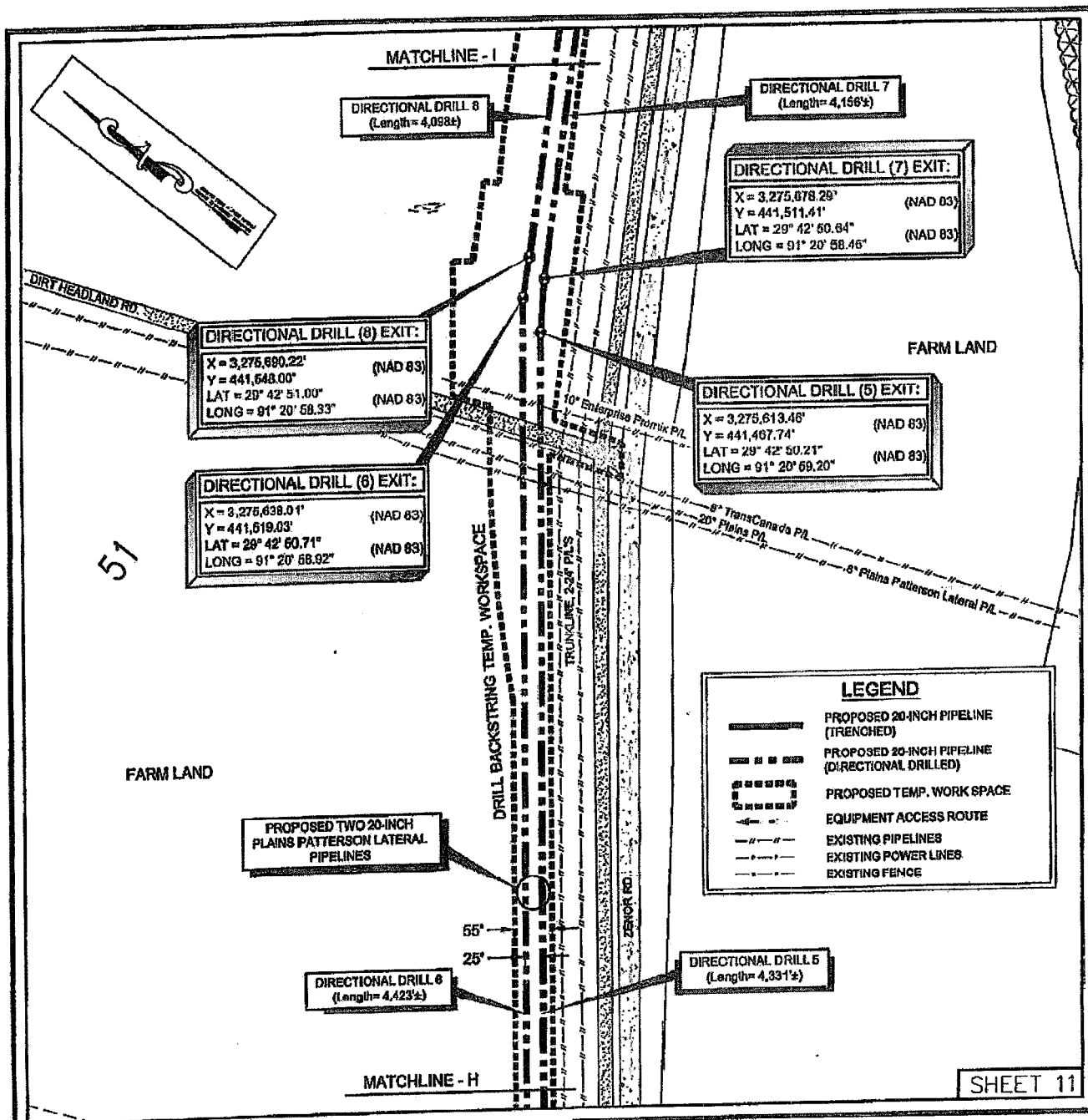


PLAINS GAS SOLUTIONS

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T15S-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1"= 200' |
|----------------------|------------------------|-----------------|----------------|
| DWG. <u>RML</u> | ENGR. <u> </u> | <u> </u> | DWG. NO. |
| CH. <u>LPM</u> | CH. <u> </u> | <u> </u> | P120697-02.DWG |
| DATE <u>03/07/13</u> | APP'D. <u> </u> | <u> </u> | |

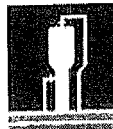
| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D |
|------|-------------|------|-------|------|-------|
| | | | | | |



PLAN VIEW



THESE DRAWINGS ARE TO BE USED EXCLUSIVELY
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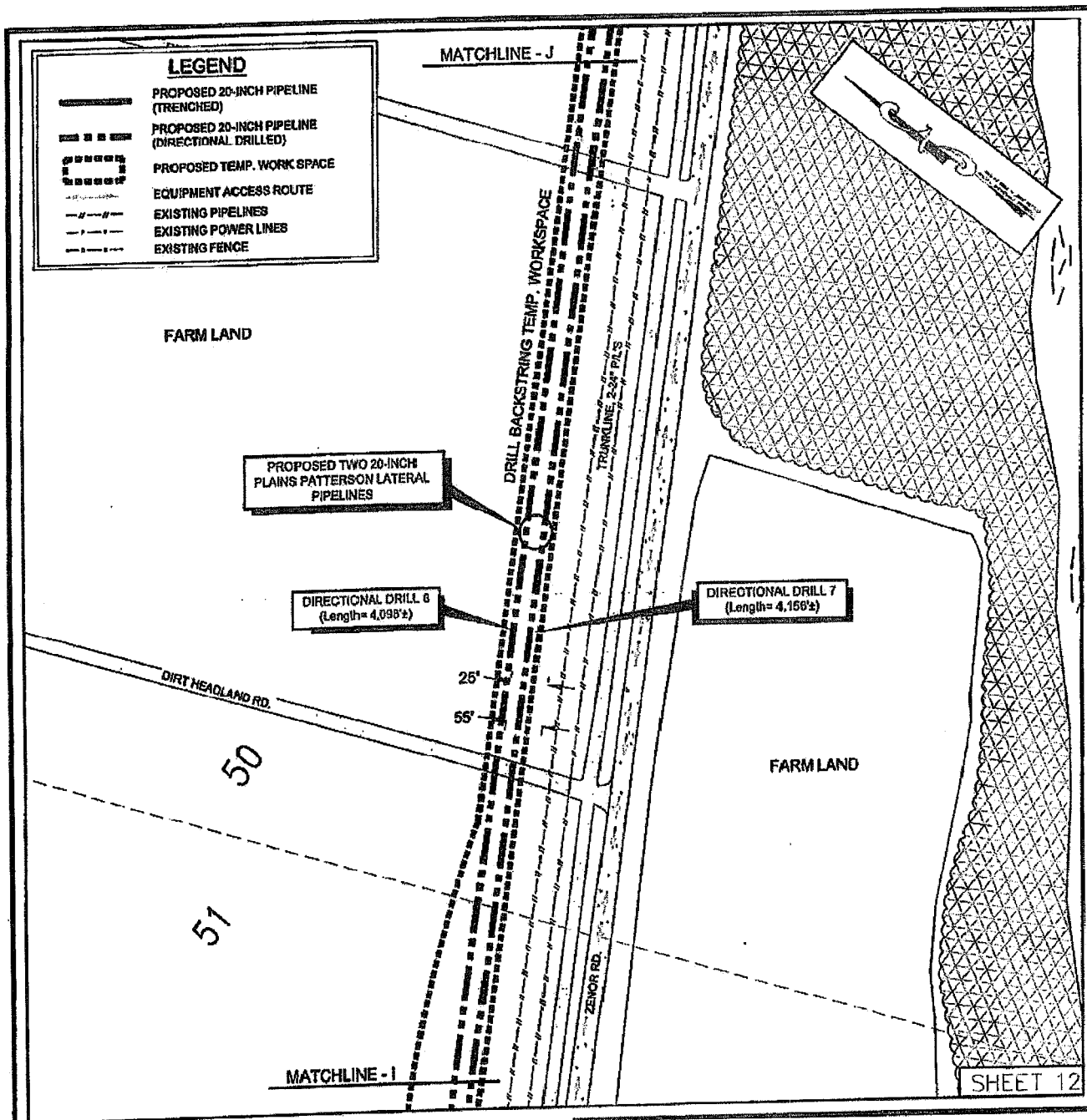


PLAINS GAS SOLUTIONS

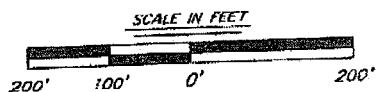
PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T15S-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1" = 200' |
|---------------|--------------|-------|-----------------|
| DWG. RML | ENGR. _____ | _____ | DWG. NO. |
| CH. LPM | CH. _____ | _____ | P120697-02.DWG |
| DATE 03/07/13 | APP'D. _____ | _____ | |

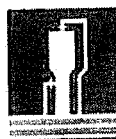
| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
| | | | | | |



PLAN VIEW



THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

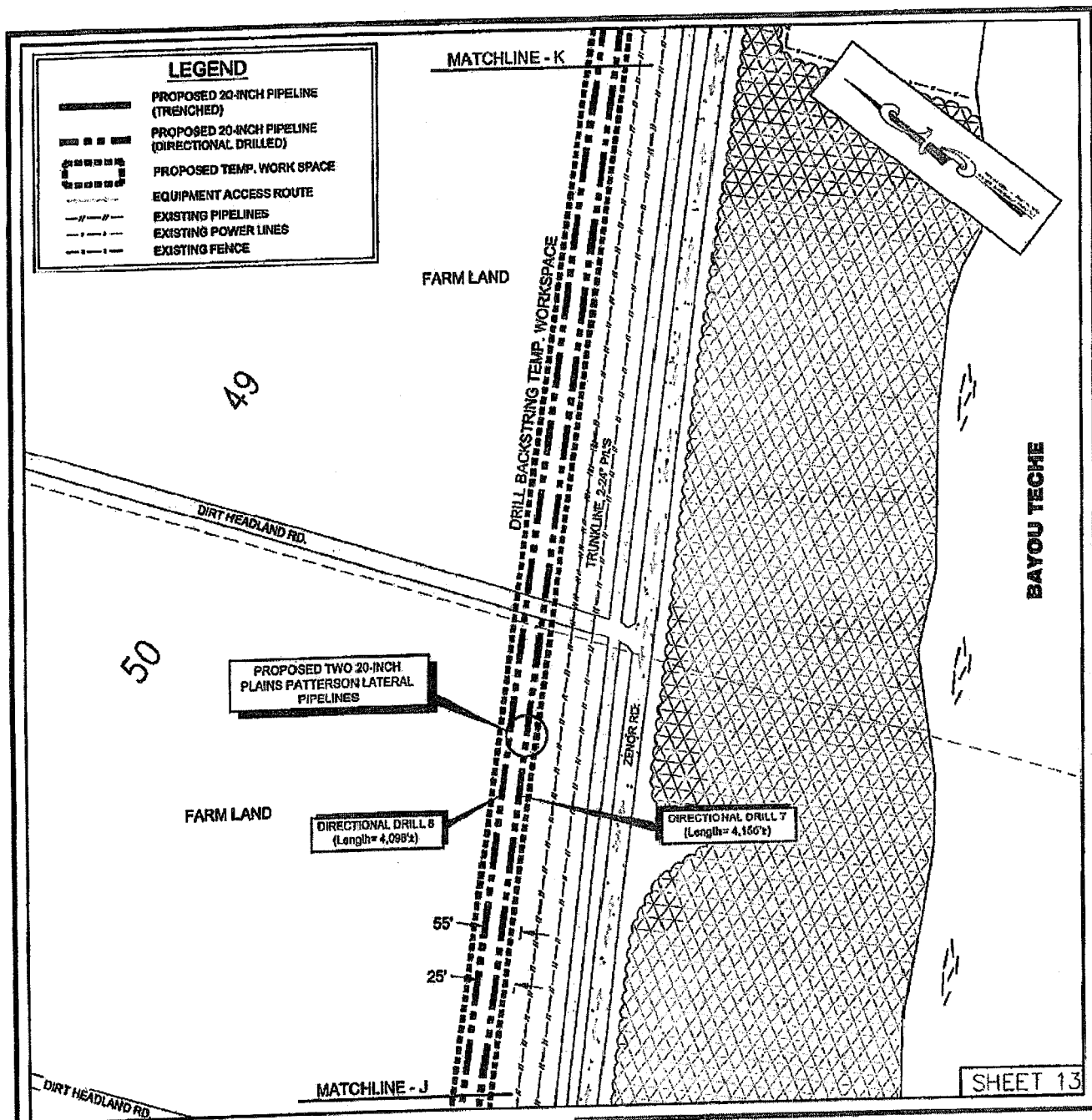


**PLAINS GAS
SOLUTIONS**

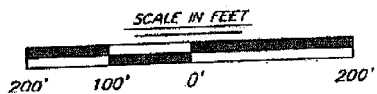
PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T155-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1"= 200' |
|---------------|--------------|-------|----------------|
| DWG. RML | ENGR. _____ | _____ | DWG. NO. |
| CH. LPM | CH. _____ | _____ | P120697-02.DWG |
| DATE 03/07/13 | APP'D. _____ | _____ | |

| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
| | | | | | |



PLAN VIEW



THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

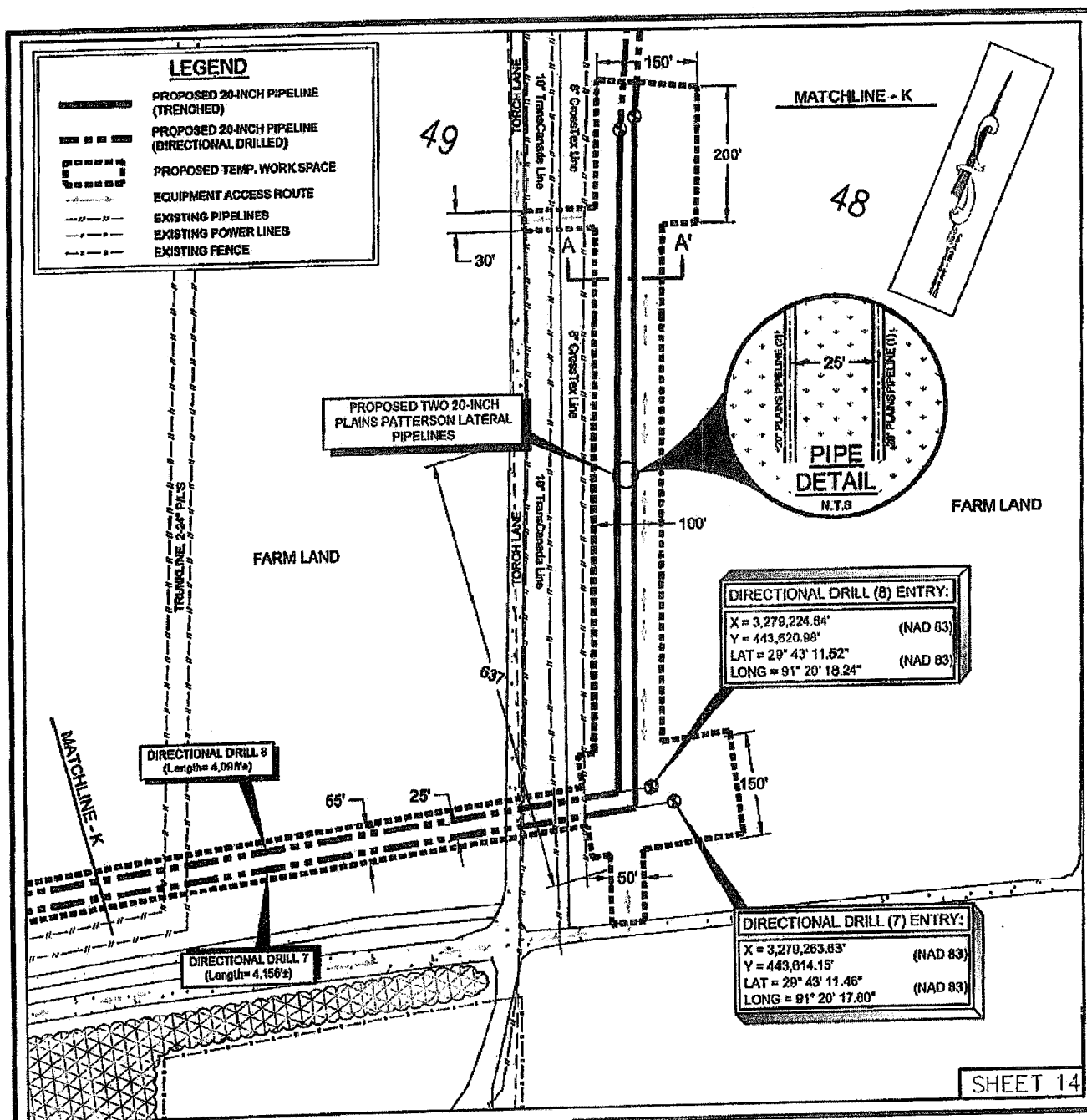


**PLAINS GAS
SOLUTIONS**

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T16S-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1"= 200' |
|---------------|--------------|-------|----------------|
| DWG. RML | ENGR. _____ | _____ | DWG. NO. |
| CH. LPM | CH. _____ | _____ | P120697-02.DWG |
| DATE 03/07/13 | APP'D. _____ | _____ | |

| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
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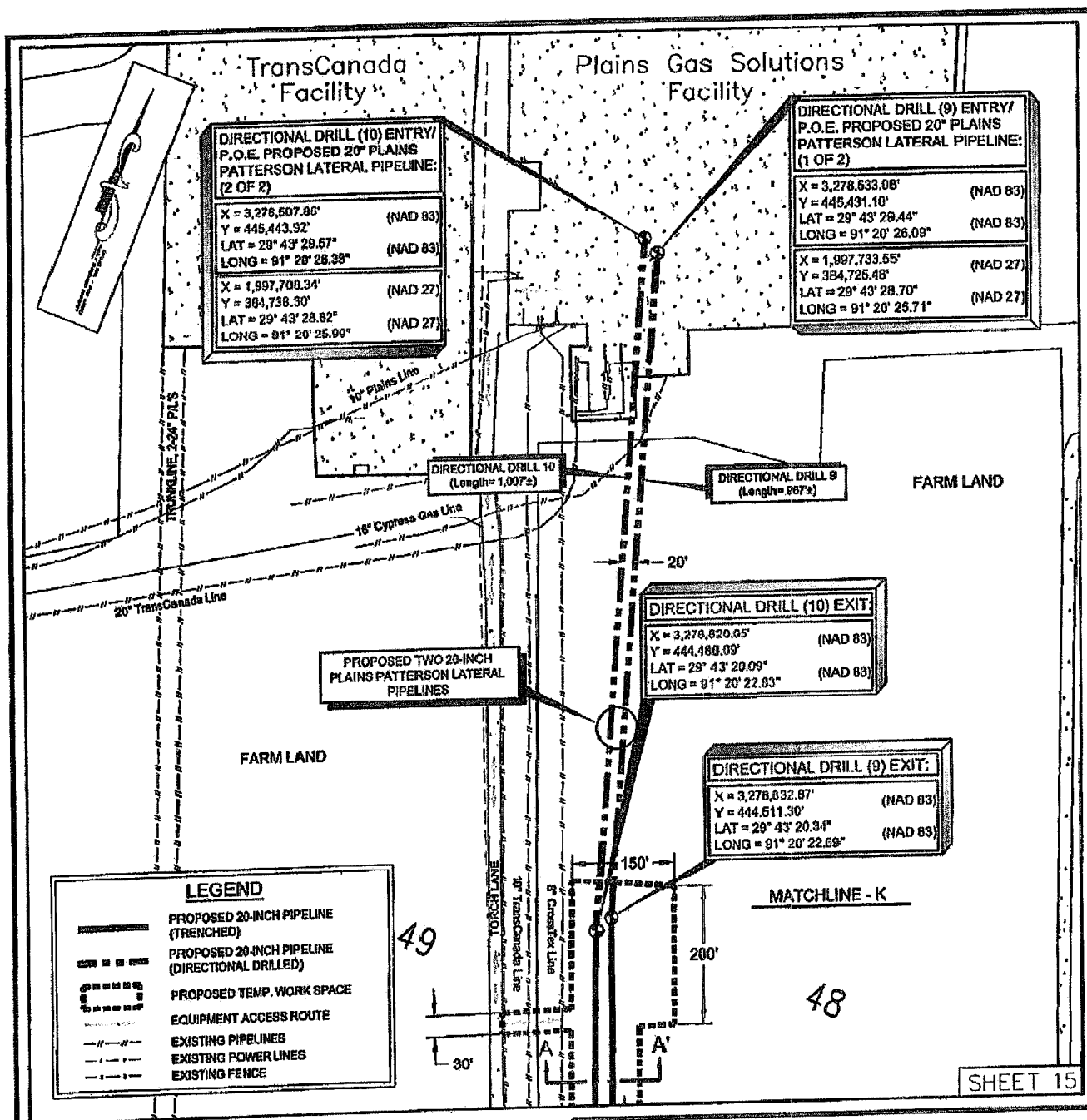
PLAINS GAS SOLUTIONS

PROPOSED INSTALLATION OF
 TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
 LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
 T153-R11E
 ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE 1" = 200' |
|----------------------|--------------------------|-------------------|-------------------|
| DWG. <u>RML</u> | ENGR. <u> </u> | <u> </u> | DWG. NO. |
| CH. <u>LPM</u> | CH. <u> </u> | <u> </u> | <u> </u> |
| DATE <u>03/07/13</u> | APP'D. <u> </u> | <u> </u> | P120697-02.DWG |

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| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
| | | | | | |



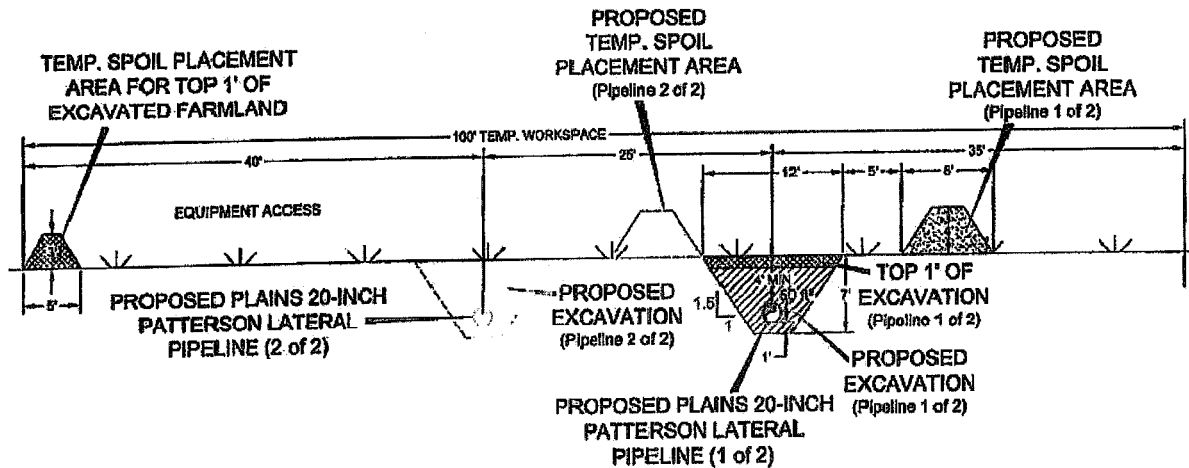
PLAINS GAS SOLUTIONS

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T15S-R11E
ST. MARY PARISH, LOUISIANA

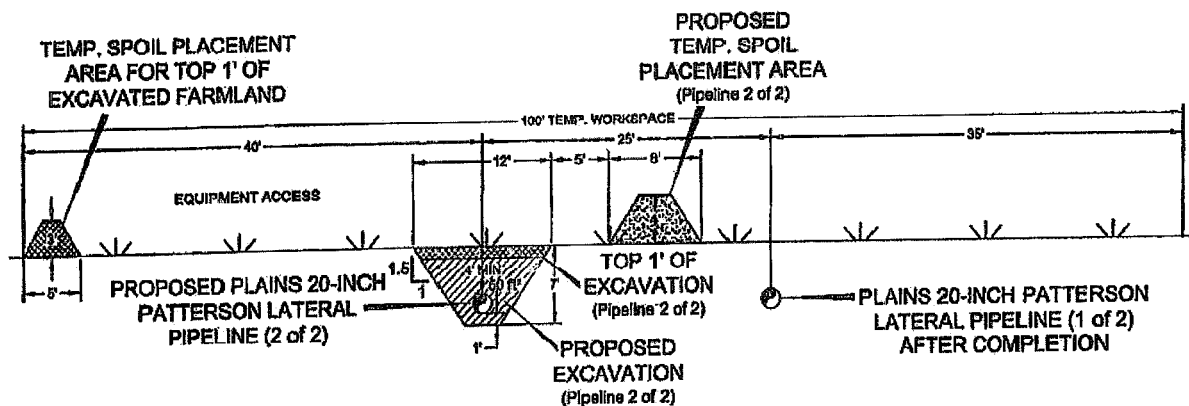
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| DWG. RML | ENGR. _____ | _____ | DWG. NO. _____ |
| CH. LPM | CH. _____ | _____ | P120697-02.DWG |
| DATE 03/07/13 | APP'D. _____ | _____ | |

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| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
|------|-------------|------|-------|------|--------|
| | | | | | |



CROSS-SECTION A-A' (1)
PROPOSED 20-INCH PIPELINE INSTALLATION (1 OF 2)
 N.T.S.



CROSS-SECTION A-A' (2)
PROPOSED 20-INCH PIPELINE INSTALLATION (2 OF 2)
 N.T.S.

SHEET 16

CROSS-SECTIONS



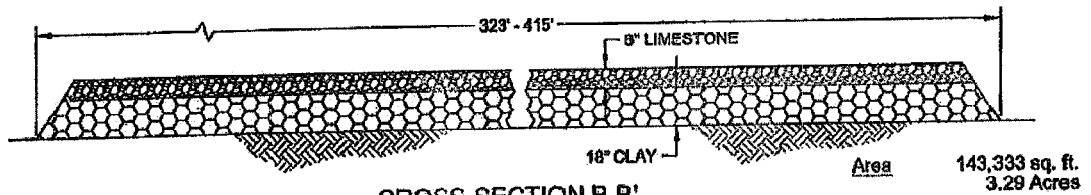
**PLAINS GAS
 SOLUTIONS**

PROPOSED INSTALLATION OF
 TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
 LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
 T155-R11E
 ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE |
|---------------|--------------|-------|----------------|
| DWG. RML | ENGR. _____ | _____ | DWG. NO. |
| CH. LPM | CH. _____ | _____ | P120697-02.DWG |
| DATE 03/07/13 | APP'D. _____ | _____ | |

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| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
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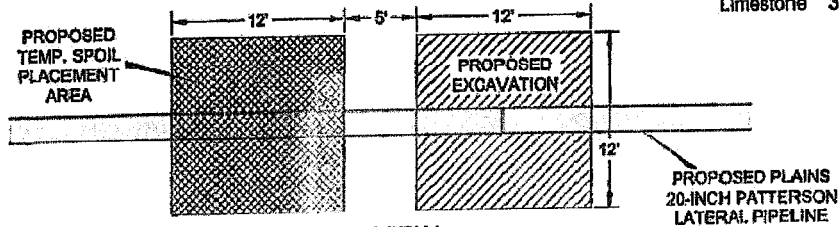


CROSS-SECTION B-B'

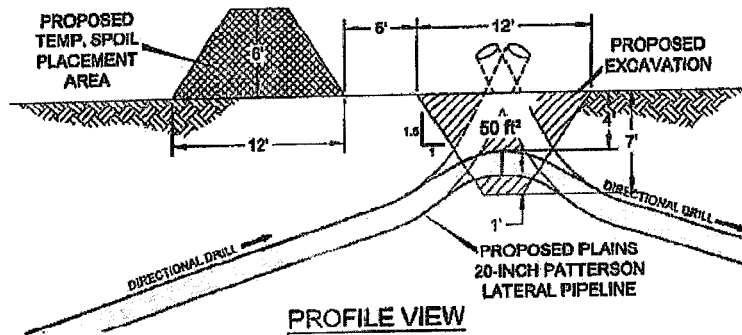
PRIMARY METER STATION
N.T.S.

Area 143,333 sq. ft.
3.29 Acres

Materials
Clay 7,983 Cu. Yds.
Limestone 3,539 Cu. Yds.



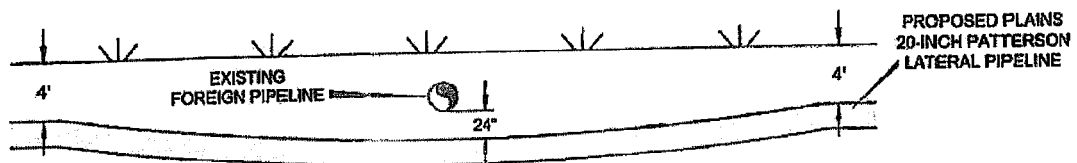
TOP VIEW



PROFILE VIEW

TYPICAL DIRECTIONAL DRILL ENTRY / EXIT SITE DETAIL

N.T.S.



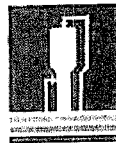
TYPICAL FOREIGN PIPELINE CROSSING

N.T.S.

Note: Proposed pipelines will be laid on an additional twenty four (24) inches below existing pipelines.

SHEET 17

CROSS-SECTIONS



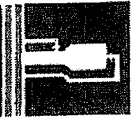
**PLAINS GAS
SOLUTIONS**

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T155-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE |
|---------------|--------------|-------|----------------|
| DWG. RML | ENGR. _____ | _____ | DWG. NO. |
| CH. LPM | CH. _____ | _____ | P120697-02.DWG |
| DATE 03/07/13 | APP'D. _____ | _____ | |

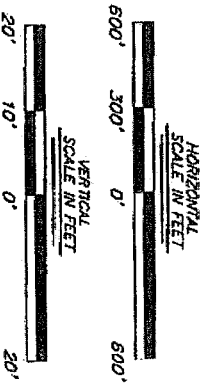
THESE DRAWINGS ARE TO BE USED EXCLUSIVELY
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| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D |
|------|-------------|------|-------|------|-------|
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**PLAINS GAS
SOLUTIONS**


THESE DRAWINGS ARE TO BE USED EXCLUSIVELY
FOR THE ACQUISITION OF REGULATORY PERMITS.



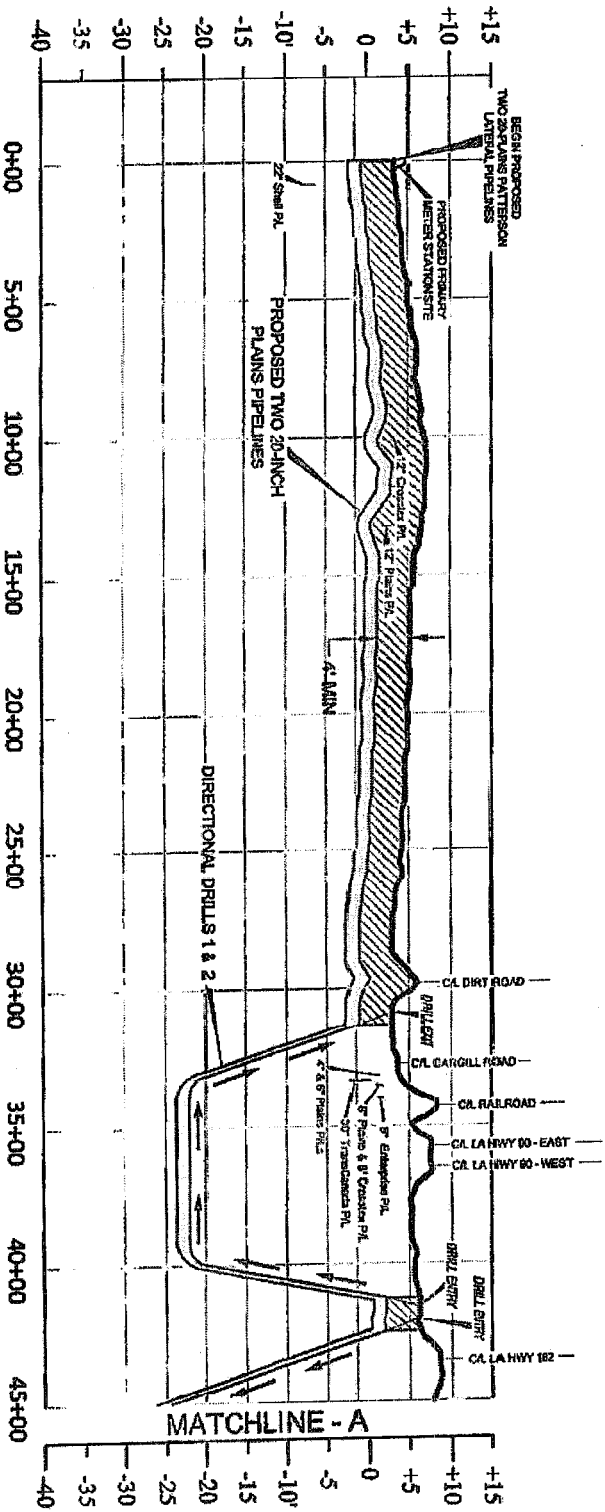
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|----------|----------|------|----------|-------------|----------|------|----------|------|----------|------|----------|----------------|----------|------|----------|
| DRAFTING | | | | ENGINEERING | | | | DATE | | | | SCALE AS SHOWN | | | |
| DWG. | REL. | DWG. | NO. | DWG. | REL. | DWG. | NO. | DWG. | REL. | DWG. | NO. | DWG. | REL. | DWG. | NO. |
| CH. | LPD | CH. | LPD | CH. | LPD | CH. | LPD | CH. | LPD | CH. | LPD | CH. | LPD | CH. | LPD |
| DATE | 02/07/15 | DATE | 02/07/15 | DATE | 02/07/15 | DATE | 02/07/15 | DATE | 02/07/15 | DATE | 02/07/15 | DATE | 02/07/15 | DATE | 02/07/15 |

PROPOSED INSTALLATION OF
TWO PLANS 20-INCH PATTERN LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T155-R17E
ST. MARY PARISH, LOUISIANA

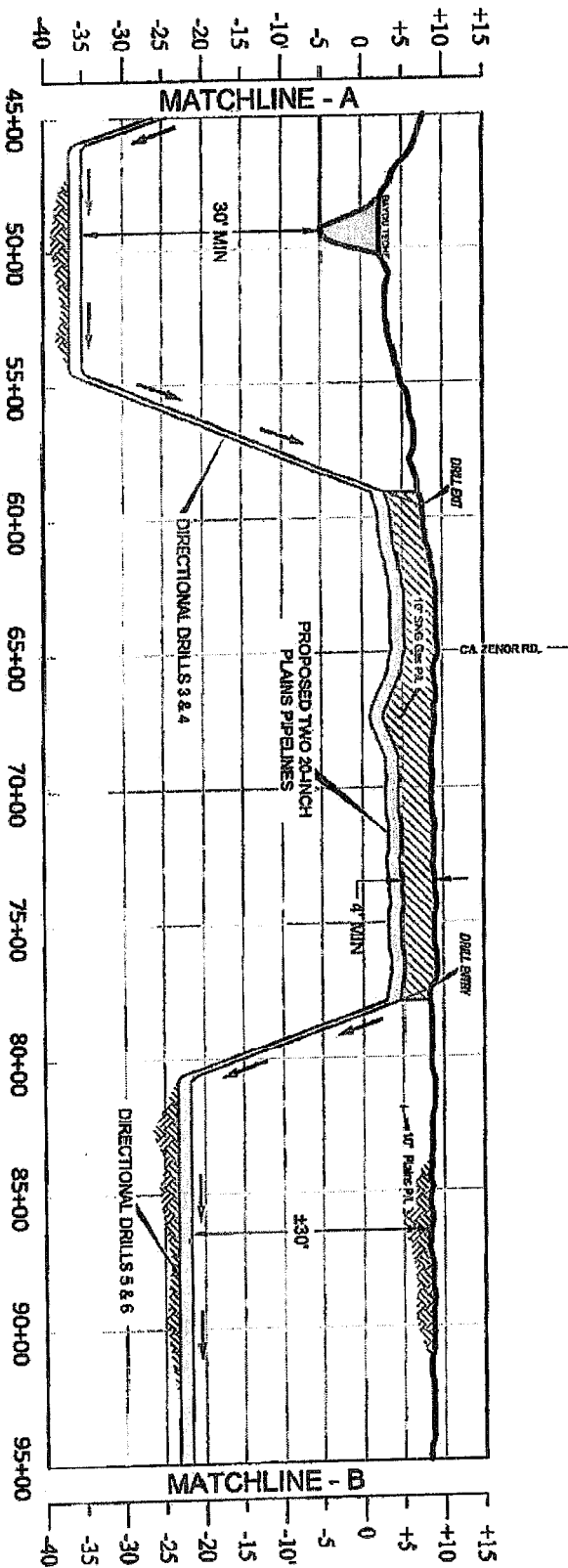
REV. DESCRIPTION DWG. ENGR. DATE APPD.

 **PROPOSED EXCAVATION**
 **DIRECTION OF DRILL**



PROFILE VIEW



SHEET 18



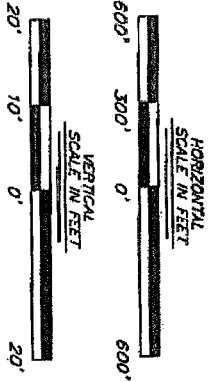
PROFILE VIEW

 PROPOSED EXCAVATION
 DIRECTION OF DRILL

SHEET 19



PLAINS GAS
SOLUTIONS



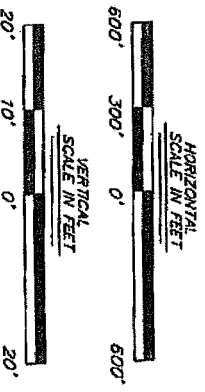
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|---|-------------|---------------|----------------|
| PROPOSED INSTALLATION OF TWO PLAINS 20-INCH PATTERSON UTILITY PIPELINES, LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55, T15S-R17E ST. MARY PARISH, LOUISIANA | | | |
| DRAWING | ENGINEERING | DATE | SCALE AS SHOWN |
| DWG. NO. P120697-02.DWG | ENGR. NAME | DATE 03/07/13 | APP'D. |
| CHK. NAME | ENGR. NAME | DATE | APP'D. |
| REV. | DESCRIPTION | DWG. NAME | DATE |

THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.



**PLAINS GAS
SOLUTIONS**

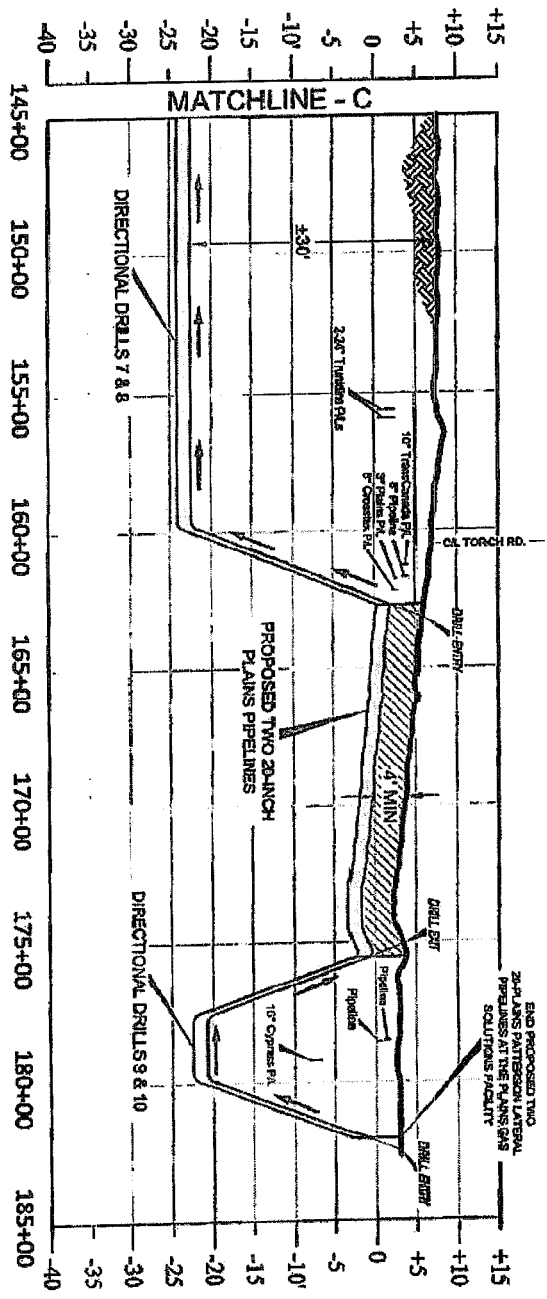
THESE DRAWINGS ARE TO BE USED EXCLUSIVELY
FOR THE ACQUISITION OF REGULATORY PERMITS.



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|--|----------|-------|----------------|----------|
| PROPOSED INSTALLATION OF TWO PLANS 20-INCH PATTERSON LATERAL PIPELINES, LOCATED IN SECTIONS 11, 12, 49, 50, 51, 52, 53, 54, & 55, T15S-R11E ST. MARY PARISH, LOUISIANA | | | | |
| DWG. NO. | DATE | APPD. | SCALE | AS SHOWN |
| CH. 152 | 02/27/13 | | P120697-02.DWG | |
| DWG. NO. | DATE | APPD. | SCALE | AS SHOWN |
| CH. 152 | 02/27/13 | | P120697-02.DWG | |

PROPOSED EXCAVATION
→ DIRECTION OF DRILL

PROFILE VIEW



SHEET 21

NOTES

AS BUILT DRAWINGS WILL BE PROVIDED TO LA. DNR, CMD AND PIPELINE DIVISION WITHIN 30 DAYS OF COMPLETION OF THIS PROJECT.

PLAINS GAS SOLUTIONS WILL REMOVE ALL STRUCTURES, FACILITIES, WELLS, AND PIPELINES WITHIN 120 DAYS OF ABANDONMENT, UNLESS CMD ISSUES APPROVAL TO LEAVE THEM IN PLACE FOR FUTURE USE. THIS CONDITION DOES NOT PRECLUDE THE NECESSITY FOR REVISING THE CURRENT PERMIT OR OBTAINING A SEPARATE COASTAL USE OF PERMIT, SHOULD ONE BE REQUIRED, FOR SUCH REMOVAL ACTIVITIES.

ALL STRUCTURES SHALL BE MARKED IN ACCORDANCE WITH U.S. COAST GUARD REGULATIONS.

PLAINS GAS SOLUTIONS SHALL COMPLY WITH APPLICABLE STATE LAWS REGARDING THE NEED TO CONTACT THE LOUISIANA ONE CALL SYSTEM (1-800-272-3020) TO LOCATE ANY BURIED CABLES AND PIPELINES.

A RIGHT OF WAY GRANT WILL BE PURCHASED FROM THE STATE LAND OFFICE SHOULD ONE BE REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITIES.

THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.

PIPELINE 1 of 2 - TOTAL LENGTH = 18,295±
APPROXIMATELY 11,287± CUBIC YARDS OR 1.68± ACRES OF FARMED LAND WILL BE EXCAVATED AND TEMPORARILY PLACED ON 1.70± ACRES TO INSTALL APPROXIMATELY 6,095± FEET OF 20-INCH PIPELINE. EXCAVATED MATERIAL WILL BE BACKFILLED UPON COMPLETION. THE TOP 1 FOOT OF EXCAVATED MATERIAL WILL BE KEPT SEPARATE AND BACKFILLED LAST AS PER LAND OWNERS REQUEST.

APPROXIMATELY 12,200± FEET OF 20-INCH PIPELINE WILL BE INSTALLED BY DIRECTIONAL DRILLING (5 DRILLS). APPROXIMATELY 215± CUBIC YARDS OR 0.03 ACRES OF FARMED LAND WILL BE EXCAVATED AND TEMPORARILY PLACED ON 0.03 ACRES AT 10 TOTAL DIG SITES FOR BORE ENTRY/EXIT LOCATIONS.

PIPELINE 2 of 2 - TOTAL LENGTH = 18,243±
APPROXIMATELY 11,191± CUBIC YARDS OR 1.66± ACRES OF FARMED LAND WILL BE EXCAVATED AND TEMPORARILY PLACED ON 1.68± ACRES TO INSTALL APPROXIMATELY 6,043± FEET OF 20-INCH PIPELINE. EXCAVATED MATERIAL WILL BE BACKFILLED UPON COMPLETION. THE TOP 1 FOOT OF EXCAVATED MATERIAL WILL BE KEPT SEPARATE AND BACKFILLED LAST AS PER LAND OWNERS REQUEST.

APPROXIMATELY 12,200± FEET OF 20-INCH PIPELINE WILL BE INSTALLED BY DIRECTIONAL DRILLING (5 DRILLS). APPROXIMATELY 215± CUBIC YARDS OR 0.03 ACRES OF FARMED LAND WILL BE EXCAVATED AND TEMPORARILY PLACED ON 0.03 ACRES AT 10 TOTAL DIG SITES FOR BORE ENTRY/EXIT LOCATIONS.

PRIMARY METER STATION
APPROXIMATELY 7,963± CUBIC YARDS OF CLAY (18-INCHES THICK) WILL BE HAULED IN AND PLACED ON APPROXIMATELY 3.29± ACRES OF FARMED LAND, THEN 3,539± CUBIC YARDS OF LIMESTONE (8-INCHES THICK) WILL BE HAULED IN AND PLACED ON TOP OF THE CLAY TO CONSTRUCT THE PRIMARY METER STATION.

NO CLEARING TO OCCUR WITHIN THE PROJECT FOOTPRINT.

TOTAL IMPACTS

EXCAVATION

UPLANDS 22,700 CU. YDS.
3.40 ACS.

WETLANDS: 0.0 CU. YDS.
0.0 ACS.

FILL AREAS

UPLANDS 34,202 CU. YDS.
6.73 ACS.

WETLANDS: 0.0 CU. YDS.
0.0 ACS.

FILL MATERIALS

NATIVE MATERIAL: 22,700 CU. YDS.

CLAY: 7,963 CU. YDS.

LIMESTONE: 3,539 CU. YDS.

EQUIPMENT LIST

- DIRECTIONAL DRILL RIG
- TRACK HOE
- FRONT END LOADER
- BULL DOZER
- CRANF
- SIDE BOOM

SHEET 22

NOTES

THESE DRAWINGS ARE TO BE USED EXCLUSIVELY FOR THE ACQUISITION OF REGULATORY PERMITS.



PLAINS GAS SOLUTIONS

PROPOSED INSTALLATION OF
TWO PLAINS 20-INCH PATTERSON LATERAL PIPELINES,
LOCATED IN SECTIONS 11, 12, 48, 49, 50, 51, 52, 53, 54, & 55,
T15S-R11E
ST. MARY PARISH, LOUISIANA

| DRAFTING | ENGINEERING | DATE | SCALE |
|---------------|--------------|-------|----------------|
| DWG. RML | ENGR. _____ | _____ | DWG. NO. |
| CHK. LPM | CHK. _____ | _____ | P120697-02.DWG |
| DATE 03/07/13 | APP'D. _____ | _____ | |

| REV. | DESCRIPTION | DWN. | ENGR. | DATE | APP'D. |
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