Tamara Mick/R6/USEPA/US
12/19/2007 01:36 PM

To cathy
cc cc
bcc
Subject MVN-2007-3317-CT, Petrologistics Natural Gas Storage

Cathy,

The Environmental Protection Agency (EPA) has reviewed the Joint Public Notice (JPN), dated December 7, 2007, concerning Department of the Army Permit Application Number MVN-2007-3317-CT, submitted by Petrologistics Natural Gas Storage LLC. The applicant is proposing to convert an existing brine well to a natural gas storage cavern, expansion of a compressor station, flare pad, valve sites, station tie-ins, electric substation and supply line, natural gas pipelines for natural gas storage and transportation located near Augusta, Iberville Parish, Louisiana. The proposed project would affect approximately 25.1 acres of jurisdictional forested and 24.9 acres of herbaceous wetlands and an additional 2.0 acres of forested wetlands will be converted to herbaceous wetlands.. The comments that follow are being provided for use in reaching a decision relative to compliance with the EPA's *404(b)(1) Guidelines for Specification of Disposal Sites for Dredged or Fill Material (40 CFR Part 230).*

The jurisdictional wetlands that would be impacted by this project not only provide good to high quality habitat for indigenous and migratory avian species as well as a variety of mammals but also perform valuable water quality maintenance functions by removing excess nutrients and pollutants from the water. They also provide floodwater storage. As you are aware, wetland areas such as those proposed to be impacted have experienced a tremendous decline in Louisiana. The 404(b)(1) Guidelines prohibit the discharge of dredged or fill material into waters of the United States, including wetlands, if there is a practicable alternative.

EPA is concerned with the potential direct, indirect, and cumulative impacts of the proposed project. Construction of the proposed project will result in the loss of wetland habitat and will likely impact other important wetland functions including floodwater abatement and water quality improvement. These functional losses, when combined with increased impervious surfaces resulting from the project, may lead to adverse downstream impacts such as decreased water quality and increased flooding.

EPA recommends that once the applicant has satisfied the requirements of the 404(b)(1) Guidelines, compensatory mitigation, within the project watershed, should be provided for all unavoidable wetland impacts that should fully offset all lost wetland functions and values. EPA also recommends that the permit be conditioned to include the construction right-of-way be maintained at the proposed 75-foot width and that stream/bayou crossings with high quality riparian habitat use the HDD method for crossing.

Thanks for the opportunity to review and comment on the JPN. If you have any questions or would like to discuss further, please don't hesitate to call.

Tamara Mick
US EPA Region 6
Marine & Wetlands Section
214-665-7134

FWS - mit
dmf - mit

13.8 forested
13.4 herbaceous
2.0 forest convert to herb

3-12-08 concur
FWS concur

see new mit - 3.13.08
will do 26ac mitn

KATHLEEN BABINEAUX BLANCO
GOVERNOR

State of Louisiana

DEPARTMENT OF WILDLIFE AND FISHERIES

BRYANT O. HAMMETT, JR.
SECRETARY

January 4, 2008

12-19

Mr. Pete J. Serio, Chief
Regulatory Branch
United States Army Corps of Engineers
P. O. Box 60267
New Orleans, LA 70160-0267

RE: *Application Number: MVN-2007-3317-CT*
Applicant: Petrologistics Natural Gas Storage, LLC
Public Notice Date: December 7, 2007

Dear Mr. Serio:

The professional staff of the Louisiana Department of Wildlife and Fisheries, Office of Wildlife, has reviewed the above referenced Public Notice. Based upon this review the following has been determined:

> The applicant shall develop a mitigation plan designed to off-set impacts to fish and wildlife resources. The mitigation plan shall be approved by the resource and regulatory agencies. The approved mitigation plan shall be incorporated as part of the conditions of the permit.

The Louisiana Department of Wildlife and Fisheries appreciates the opportunity to review and provide recommendations to you regarding the proposed activity. Please do not hesitate to contact Chris Davis (225-765-2642) of our Habitat Section should you need further assistance.

Sincerely,

L. Brandt Savoie
Deputy Assistant Secretary

kb/cd

c: Kyle Balkum, Biologist Program Manager
Chris Davis, Biologist
Venise Ortego, Permits Coordinator
EPA, Marine & Wetlands Section
USFWS Ecological Services

"Slumber, Cathy T MVN "
<Cathy.T.Slumber@usace .army.mil>
03/13/2008 12:51 PM

To <Patti_Holland@fws.gov>, "Balkum, Kyle" <kbalkum@wlf.louisiana.gov>, Tamara Mick/R6/USEPA/US@EPA
cc
bcc
Subject PetroLogistics MV 2007-3317 CT

Patti, Kyle, & Tami - the applicant proposes 26 acres of restoration at Erwinville for the unavoidable wetland impacts. Any objection/comment on their plan? thanks

Cathy T. Slumber
CE-MVN-OD-SC
504.862.2284

"Slumber, Cathy T MVN "
<Cathy.T.Slumber@usace .army.mil>
03/11/2008 02:24 PM

To "Balkum, Kyle" <kbalkum@wlf.louisiana.gov>, <Patti_Holland@fws.gov>, Tamara Mick/R6/USEPA/US@EPA
cc
bcc
Subject MVN 2007-3317 ct Petrolgoistics Gas storage, LLC Iberville Ph choctaw - white castle area

Kyle, Patti & Tami:

this project would permanently impact 3.6 acres of wetlands, convert 2.0 acres from forested to herbaceous w/l, temporarily impact 13.8 acres of forested w/l and 13.4 acres of herbaceous w/l. Proposed mit at approved blh bank is:

5 acrs for the permanent impacts to 3.6 acres
2 acres for the conversion of 2.0 acres of forested to herb
6.9 acres for the temp impacts to forested w/l

Also, i forgot to mention they are going to restore & revegetate temporarily disturbed forested w/l areas

Cathy T. Slumber
CE-MVN-OD-SC
504.862.2284

3-12-08 email to concur

RECEIVED
EPA REGION 6
07 DEC 11 PM 6:16
ECOSYSTEMS PROTECTION BR.

JOINT PUBLIC NOTICE

December 7, 2007

27

United States Army
Corps of Engineers
New Orleans District
Regulatory Branch
Post Office Box 60267
New Orleans, Louisiana 70160-0267

(504) 862-2284
Project Manager
Cathy T. Slumber
Permit Application Number
MVN 2007-3317 CT

State of Louisiana
Department of Environmental Quality
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

(225) 219-3469
Project Manager
Jamie Phillippe
WQC Application Number
JP 071206-04

Interested parties are hereby notified that a permit application has been received by the New Orleans District of the U.S. Army Corps of Engineers pursuant to:
[X] Section 10 of the Rivers and Harbors Act of March 3, 1899 (30 Stat. 1151; 33 USC 403); and/or [X] Section 404 of the Clean Water Act (86 Stat. 816; 33 USC 1344).

Application has also been made to the Louisiana Department of Environmental Quality, Office of Environmental Services, for a Water Quality Certification (WQC) in accordance with statutory authority contained in LRS30:2047 A(3), and provisions of Section 401 of the Clean Water Act (P.L.95-17).

GAS STORAGE FACILITY AND PIPELINE IN IBERVILLE PARISH

NAME OF APPLICANT: PETROLOGISTICS NATURAL GAS STORAGE, LLC, c/o Gremminger and Associates, Inc., 226 South Live Oak Street, Bellville, Texas 77418.

LOCATION OF WORK: From the proposed storage site in Section 52, Township 9 South, Range 11 East, southerly to tie in to an existing pipeline near Augusta, Louisiana, in Iberville Parish, as shown on the enclosed drawings.

CHARACTER OF WORK: Convert an existing brine well to a natural gas storage cavern, expansion of a compressor station, flare pad, valve sites, station tie-ins, electric substation and supply line, and 24-inch and 16-inch natural gas pipelines for natural gas storage and transportation. The proposed pipelines will extend approximately 13.6 miles from the storage cavern, will be constructed by both directional drilling and conventional methods; in areas where conventional construction is planned, the proposed construction right-of-way is 75 feet in width. Approximately 9,553 cubic yards of hauled fill material will be used in construction; and about 14,655 cubic yards of material will be excavated for pipeline construction, temporarily stockpiled, and backfilled over the pipelines, as shown on the drawings. According to information furnished by the applicant, about 13.8 acres of forested and 13.4 acres of herbaceous wetlands subject to Corps of Engineers jurisdiction will be impacted by construction activities. Approximately 1.3 acres of forested and 1.5 acres of herbaceous wetlands will be permanently altered by fill deposition, and an additional 2 acres of forested wetlands will be converted to herbaceous wetlands.

The comment period for the Department of the Army Permit and the Louisiana Department of Environmental Quality WQC will close **30 days** from the date of this joint public notice. Written comments, including suggestions for modifications or objections to the proposed work, stating reasons thereof, are being solicited from anyone having interest in this permit and/or this WQC request and must be mailed so as to be received before or by the last day of the comment period. Letters concerning the Corps of Engineers permit application must reference the applicant's name and the Permit Application Number, and be mailed to the Corps of Engineers at the address above, **ATTENTION: REGULATORY BRANCH**. Similar letters concerning the Water Quality Certification must reference the applicant's name and the WQC Application number and be mailed to the Louisiana Department of Environmental Quality at the address above.

use hdd ~~when feasible~~ for streams

The application for this proposed project is on file with the Louisiana Department of Environmental Quality and may be examined during weekdays between 8:00 a.m. and 4:30 p.m. Copies may be obtained upon payment of costs of reproduction.

Corps of Engineers Permit Criteria

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership and, in general, the needs and welfare of the people.

The U.S. Army Corps of Engineers is soliciting comments from the public, federal, state, and local agencies and officials, Indian Tribes, and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to make, modify, condition, or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

No properties listed on the National Register of Historic Places are near the proposed work. The possibility exists that the proposed work may damage or destroy presently unknown archeological, scientific, prehistorical, historical sites, or data. Copies of this notice are being sent to the State Archeologist and the State Historic Preservation Officer.

Our initial finding is that the proposed work would neither affect any species listed as endangered by the U.S. Departments of Interior or Commerce, nor affect any habitat designated as critical to the survival and recovery of any endangered species.

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The applicant's proposal would result in the destruction or alteration of acres of EFH utilized by various life stages of red drum and penaeid shrimp. Our initial determination is that the proposed action would not have a substantial adverse impact on EFH or federally managed fisheries in the Gulf of Mexico. Our final determination relative to project impacts and the need for mitigation measures is subject to review by and coordination with the National Marine Fisheries Service.

If the proposed work involves deposits of dredged or fill material into navigable waters, the evaluation of the probable impacts will include the application of guidelines established by the Administrator of the Environmental Protection Agency. Also, a certification that the proposed activity will not violate applicable water quality standards will be required from the Department of Environmental Quality, Office of Environmental Services, before a permit is issued.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider this application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing.

You are requested to communicate the information contained in this notice to any other parties whom you deem likely to have interest in the matter.

Martin S. Mayer

MARTIN S. MAYER
Chief, Central Evaluation Section
Regulatory Branch

Enclosure

ENG FORM 4345

APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT
(33 CFR 325)

OMB APPROVAL NO.0710-0003
Expires December 31, 2004

Public reporting burden for this collection of information is estimated to average 5 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Service Directorate of InformationOperations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302; and to the Office of Management and Budget, Paperwork Reduction Project (0710-00031, Washington, DC 20503. Please DO NO RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

PRIVACY ACT STATEMENT

Authority: 33 USC 401, Section 10; 1413, Section 404. Principal Purpose: These laws require permits authorizing activities in, or affecting, navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. Routine Uses. Information provided on this form will be used in evaluating the application for a permit. Disclosure: Disclosure of requested information is voluntary. If information is not provided, however, the permit application cannot be processed nor can a permit be issued.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETED
MVN 2007-03317 CT		AUG 1 3 '07	

(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME **Ken Dupuis** **PetroLogistics Natural Gas Storage, LLC**	8. AUTHORIZED AGENT'S NAME AND TITLE (an agent is not required) **Larry J. Gremminger, Managing Environmental Scientist** **Gremminger and Associates, Inc.**
6. APPLICANT'S ADDRESS **4460 Bluebonnet Blvd., Suite B** **Baton Rouge, Louisiana 70809**	9. AGENT'S ADDRESS **226 South Live Oak Street** **Bellville, Texas 77418**
7. APPLICANT'S PHONE NUMBERS W/AREA CODE a. Residence **(225) 270-4938** b. Business **(225) 706-2240**	10. AGENT'S PHONE NUMBER W/AREA CODE a. Residence **(281) 795-4493** b. Business **(979) 865-4440**

11. STATEMENT OF AUTHORIZATION

I hereby authorize **Larry J. Gremminger** to act in behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

APPLICANT'S SIGNATURE — DATE 7/27/07

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY

12. PROJECT NAME OR TITLE (see instructions)

PetroLogistics Gas Storage Project

13. NAME OF WATERBODY, IF KNOWN (if applicable) **Multiple, See Attached List**	14. PROJECT STREET ADDRESS (if applicable) **Not Applicable**
15. LOCATION OF PROJECT **Iberville** PARISH — **Louisiana** STATE	

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN, (see instructions)
Cavern No. 25: Sec 52, T-9-S, R-11-E (30° 18' 42.5" N; 091° 18' 25.0" W); SONAT tie-in: Sec 95, T-10-S, R-12-E (30° 09' 25.6" N; 091° 12' 42.3" W)

17. DIRECTIONS TO THE SITE
To Cavern No. 25: From the intersection of Highway (HWY) 1 and HWY 1148 north of Turnerville, Louisiana, proceed 3.1 miles west on HWY 1148 to a limestone road, then turn and proceed 1.1 miles southwest on the limestone road to proposed compressor station site. The Cavern site is 630' north of the roadway.

To SONAT Tie-in: From the intersection of HWY 1 and Catherine Road north of Dorcyville, Louisiana, proceed 2.6 miles southwest on Catherine Road to HWY 994, turn and proceed 1.25 miles northwest on HWY 994 to the proposed SONAT station site.

18. Nature of Activity (Description of Project, include all features)

CAVERN No. 25 SITE: Conversion of an existing brine well to a natural gas storage cavern.

COMPRESSOR STATION: Expansion and filling of a 300' X 300' area (part of an existing well pad) to +2' above mean sea level with clean fill materials for the construction of an electric drive compressor station and ancilary facilities.

FLARE: Construction of a 10" diameter flare on a 20' diameter permanent pad with filling of the site to +2' above mean sea level with clean fill materials.

24" PIPING CONNECTING COMPRESSOR STATION & CAVERN NO. 25: New construction of a 350' segment of 24" bidirectional piping.

24" HEADER PIPELINE: New construction of 7.2 miles of 24" diameter natural gas pipeline. Where conventional construction is implemented, a 75' wide construction corridor will be utilized.

16" HEADER PIPELINE: New construction of 5.8 miles of 16" diameter natural gas pipeline. Where conventional construction is implemented, a 75' wide construction corridor will be utilized.

24" TETCO LATERAL PIPELINE: New construction of 0.57 miles of 24" diameter natural gas lateral pipeline. Where conventional construction is implemented, a 75' wide construction corridor will be utilized.

STATION TIE-INS: New construction of (4) permanent 50' X 100', 12" diameter interconnect stations with FGT, TETCO, Bridgeline, and CrossTex pipeline systems and (1) permanent 50' X 100', 16" diameter interconnect station with a SONAT pipeline system with filling of these sites to +2' above mean sea level with clean fill materials.

VALVE SITES: Installation of (2) mainline valves.

ELECTRIC SUBSTATION & ELECTRICAL SUPPLY LINE: New construction and filling of a 0.92-acre electrical sub-station, installation of 4,730' of overhead carrier line, and placement of (40) power poles.

Construction activities at aboveground facilities will include the clearing of workspace and removal of debris; transport and placement of clean fill material; and grading of the work area. Conventional construction activities for the pipeline will include preparation of workspace, stringing of new pipe, welding of pipe sections into lay segments, excavation of pipe trench, laying of pipe, backfill of trench, and restoration of grade. Non-conventional construction activities (Horizontal directional drills) will include clearing of workspace and removal of debris at the drill setup sites.

19. PROJECT PURPOSE (Describe the reason or purpose of the project, see instructions)

Development of a natural gas storage cavern and operational surface facilities; transport of natural gas to/from FGT, TETCO, Bridgeline, Crosstex, and SONAT pipeline systems.

USE BLOCKS 20-22 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. REASON(S) FOR DISCHARGE

Workspace grading and filling, filling for aboveground facilities (compressor station, electrical sub-station, power poles, interconnect meter stations), and utility line backfill and bedding.

21. TYPE(S) OF MATERIAL BEING DISCHARGED AND THE AMOUNT OF EACH TYPE IN CUBIC YARDS

Aboveground Facilities: Clean fill materials and native materials with permanent placement total of 9,553 yds^3.

Pipeline: Native materials; 1.6 yds^3 per linear foot conventional installation; Approximate temporary placement total of 14,655 yds^3.

22. SURFACE AREA IN ACRES OF WETLANDS OR OTHER WATERS FILLED (see instruction)

A total of 32.07 acres of wetland habitats will be impacted by the proposed construction activities. Temporary impacts to 13.83 acres of forested wetlands and 13.42 acres of emergent wetlands. Permanent conversion of 2.01 acres of forested wetlands to herbaceous wetlands. Fill of approximately 1.27 acres of forested wetlands and 1.54 acres of emergent wetlands. See attached Mitigation Plan.

23. IS ANY PORTION OF THE WORK ALREADY COMPLETE? YES X NO IF YES DESCRIBE THE COMPLETED WORK

Not Applicable.

24. ADDRESSES OF ADJOINING PROPERTY OWNERS, LESSEES, ETC., WHOSE PROPERTY ADJOINS THE WATERBODY (if you have more that can be here, please attach a supplemental list).

See Attached List.

25. LIST OF OTHER CERTIFICATIONS OR APPROVAL/DENIALS RECEIVED FROM OTHER FEDERAL, STATE, OR LOCAL AGENCIES FOR WORK DESCRIBED IN THIS APPLICATION.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
Not Applicable.					

* Would include but is not restricted to zoning, building and floodplain permits

26. Application is hereby made for a permit or permits to authorize the work described in this application. I certify that the information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

Signature of Applicant	Date	Signature of Agent	Date
			7/27/07

The application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than $10,000 or imprisoned not more than five years or both.

Land Use and Impacts
PetroLogistics Gas Storage Project
Iberville Parish, Louisiana

Facility by Location	Construction Type	Dimensions or Total Length (ft)	Temporary Workspace Width (ft)	Temporary Workspace (Ac)	Existing Permanent Easement Width (ft)	New Permanent Easement Width (ft)	New Permanent Easement (Ac)	Total Land Affected by Project (Ac)
Electric Substation								
South of Hwy 1148 (lease lands)	Wetland Conventional Construction	200 x 200	--	--	--	--	--	0.92
Electrical Carrier Line (lease lands)	Wetland Pole Setting (47 poles)	4730	--	--	16 sq ft	--	--	0.04
	Installation Access	4730	30	3.25	--	--	--	3.25
Cavern No. 25								
	Existing Location, no new affects	--	--	--	--	--	--	0
Compressor to Cavern Pipeline								
0+00 (lease lands)	Wetland Conventional Construction	350	50	0.4	--	--	--	0.40
Flare								
West of Compressor Station (lease lands)	Wetland Conventional Construction	20 (dia.)	--	--	--	--	--	0.007
	Installation Access	300	30	0.2	--	--	--	0.2
Compressor Station								
0+00 (Petro Lease Land)	Wetland Conventional/Existing Site	300 x 300	--	--	--	--	--	2.07
24-Inch Header Pipeline								
0+00 to 18+78	Horizontal Directional Drill	1878	0	0	60	0	0	2.59
18+78 to 53+29	Wetland Conventional Construction	3451	15	1.18	60	0	0	5.94
53+00	Additional Temporary Workspace (ATW)	--	--	0.19	--	--	--	0.19
53+29 to 70+79	Wetland Conventional Construction	1750	15	0.6	60	0	0	3.01
70+79 to 83+35	Horizontal Directional Drill	1256	0	0	60	0	0	1.73
82+50 to 85+50	Horizontal Directional Drill ATW	75 x 300	--	0.52	--	--	--	0.52
83+35 to 119+55	Non-wetland Conventional Construction	3620	15	1.25	60	0	0	6.23
122+50	Horizontal Directional Drill ATW	--	--	0.92	--	--	--	0.92
124+00	ATW	--	--	0.12	--	--	--	0.12
119+55 to 133+81	Horizontal Directional Drill	1426	0	0	60	0	0	1.96
133+81 to 148+50	ATW (Pipe Stringing for Drill)	1450	15	0.5	--	--	--	0.50
133+81 to 236+81	Non-wetland Conventional Construction	10300	15	3.55	60	0	0	17.73

Land Use and Impacts
PetroLogistics Gas Storage Project
Iberville Parish, Louisiana

Facility by Location	Construction Type	Dimensions or Total Length (ft)	Temporary Workspace Width (ft)	Temporary Workspace (Ac)	Existing Permanent Easement Width (ft)	New Permanent Easement Width (ft)	New Permanent Easement (Ac)	Total Land Affected by Project (Ac)
228+00 to 236+81	ATW (Pipe Stringing for Drill)	900	15	0.31	--	--	--	0.31
229+00	Mainline Block Valve Site	15 x 20	--	--	--	--	--	0.01
236+81 to 245+81	Horizontal Directional Drill	900	0	0	60	0	0	1.24
Louisiana Hwy 77 (west)	ATW	--	--	0.09	--	--	--	0.09
Louisiana Hwy 77 (east)	ATW	--	--	0.09	--	--	--	0.09
South of 240+00	ATW	--	--	0.09	--	--	--	0.09
245+50 to 247+50	Horizontal Directional Drill ATW	50 x 200	--	0.46	--	--	--	0.46
245+81 to 255+39	Non-wetland Conventional Construction	958	15	3.29	60	0	0	1.65
254+00 to 256+00	Horizontal Directional Drill ATW	50 x 200	--	0.46	--	--	--	0.46
Louisiana Hwy 3066	ATW	--	--	0.09	--	--	--	0.09
255+39 to 264+39	Horizontal Directional Drill	900	0	0	60	0	0	1.24
264+39 to 273+50	ATW (Pipe Stringing for Drill)	900	15	0.31	--	--	--	0.31
264+39 to 344+92	Non-wetland Conventional Construction	7853*	15	2.7	60	0	0	13.52
Louisiana Hwy 75 (west)	Horizontal Bore ATW	18.75 x 75	--	0.26	--	--	--	0.26
Louisiana Hwy 75	Horizontal Bore	200	0	0	60	0	0	0.28
Louisiana Hwy 75 (east)	Horizontal Bore ATW	18.75 x 75	--	0.26	--	--	--	0.26
293+00	Mainline Block Valve Site	15 x 20	--	--	--	--	--	0.01
344+92 to 375+00	Non-wetland Conventional Construction	3008	35	2.42	0	40	2.76	5.18
375+00 to 385+23	Wetland Conventional Construction	1023	35	0.82	0	40	0.94	1.76
16-Inch TETCO Lateral								
372+00to 374+00	Horizontal Directional Drill ATW	175	--	1.03	--	--	--	1.03
1000+00 to 1010+50	Horizontal Directional Drill	1050	0	0	0	40	0.96	0.96
1010+50 to xxxx	ATW (Pipe Stringing)	40 x 1161	--	1.07	--	--	--	1.07
1010+50 to 1013+00	Non-wetland Conventional Construction	250	15	0.08	60	--	--	0.43
1013+00 to 1031+85.38	Wetland Conventional Construction	1885.38	15	0.65	60	--	--	3.25
16-Inch Header Pipeline								
382+00 to 386+00	Horizontal Directional Drill ATW	400	--	0.99	--	--	--	0.99
385+23 to 487+45	Horizontal Directional Drill	9322†	0	0	0	40	8.56	8.56
406+00 to 410+00	Horizontal Directional Drill ATW	400	20	0.18	--	--	--	0.18
407+00 to 409+00	Horizontal Directional Drill Tie-In	50 x 100	10	0.02	--	40	0.11	0.11
436+50 to 438+50	Horizontal Directional Drill ATW	300	130	0.90	--	--	--	0.90
435+50 to 439+50	Horizontal Directional Drill Tie-In	50 x 100	--	0.02	--	--	0.11	0.11
466+00 to 470+00	Horizontal Directional Drill Tie-In	60 x 400	20	0.18	--	40	0.37	0.55

Land Use and Impacts
PetroLogistics Gas Storage Project
Iberville Parish, Louisiana

Facility by Location	Construction Type	Dimensions or Total Length (ft)	Temporary Workspace Width (ft)	Temporary Workspace (Ac)	Existing Permanent Easement Width (ft)	New Permanent Easement Width (ft)	New Permanent Easement (Ac)	Total Land Affected by Project (Ac)
486+00 to 489+00	Horizontal Directional Drill ATW	300	130	0.90	--	--	--	0.90
486+00 to 489+00	Horizontal Directional Drill Tie-In	100	--	--	--	40	0.11	0.11
487+45 to 516+00	Horizontal Directional Drill	2855	0	0	0	40	2.62	2.62
516+00 to 532+45	Non-wetland Conventional Construction	1645	35	1.32	0	40	1.51	2.83
523+00 to 566+25	ATW (Pipe Stringing for Drill)	4358	15	1.50	--	--	--	1.50
532+45 to 565+61	Non-wetland Conventional Construction	3316	35	2.66	0	40	3.04	5.71
Augusta Road (north)	Horizontal Bore ATW	--	--	--	--	--	--	0.26
Augusta Road	Horizontal Bore	150	0	0.00	0	40	0.14	0.14
Augusta Road (south)	Horizontal Bore ATW	150	--	0.52	--	--	--	0.52
West of Augusta Road	ATW Access	--	--	--	--	--	--	0.10
565+61 to 590+80	Non-wetland Conventional Construction	2519	35	2.02	0	40	2.31	4.34
570+00 to 591+00	ATW (Pipe Stringing for Drill)	2210	15	0.76	--	--		0.76
590+80 to 685+79	Horizontal Directional Drill	9499	0	0	0	40	8.72	8.72
637+00 to 641+00	Horizontal Directional Drill ATW	400	150	1.38	--	--	--	1.38
637+00 to 641+00	Horizontal Directional Drill Tie-In	40 x 100	--	--	--	40	0.11	0.11
West of 641+50	ATW for Road Access	900	30	0.62	0	0	0	0.62
West of 641+50	ATW for Turn in Road Access	50	50	0.06	--	--	--	0.06
683+00 to 686+50	Horizontal Directional Drill Tie-In**	350	35	0.28	0	40	0.32	0.60
685+50 to xxxx	Horizontal Directional Drill ATW	200	100	0.46	--	--	--	0.46
685+50 +4550 ft	ATW Pipe Stringing	4550	40	4.18	--	--	--	4.18
Florida Gas Station								
52+00	Interconnect and Meter Station	50 x 100	--	--	--	--	0.08	0.08
Bridgeline Station								
381+00	Interconnect and Meter Station	50 x 100	--	--	--	--	0.11	0.11
Crosstex Station								
381+00	Interconnect and Meter Station	50 x 100	--	--	--	--	0.11	0.11
TETCO Station								
1032+00	Pipeline Tie-In	50 x 100	--	--	--	--	0.11	0.11

Land Use and Impacts
PetroLogistics Gas Storage Project
Iberville Parish, Louisiana

Facility by Location	Construction Type	Dimensions or Total Length (ft)	Temporary Workspace Width (ft)	Temporary Workspace (Ac)	Existing Permanent Easement Width (ft)	New Permanent Easement Width (ft)	New Permanent Easement (Ac)	Total Land Affected by Project (Ac)
SONAT Station								
683+00	Pipeline Tie-In	50 x 100	--	--	--	--	0.11	0.11
Laydown Storage Yards								
North of 120+00	Existing Cleared Area	Unknown	--	5.74	--	--	--	5.74
Louisiana Hwy 75	Existing Cleared Area	Unknown	--	0.52	--	--	--	0.52
North of 330+00	Existing Cleared Area	Unknown	--	0.59	--	--	--	0.59
Total Acreage by Category				**52.97**		**50.88**	**33.23**	**137.08**

NOTES:

-- - Not Applicable
* - Linear footage does not include 200 foot bore of Louisiana Highway 75.
† - Linear footages do not include approximately 900 linear feet associated with horizontal directional drill tie-ins.
** - Station 590+80 to 685+79 will be drilled but will also require conventional open cut installation of a loop line connecting to the SONAT station.

List of Affected Landowners
PetroLogistics Gas Storage Project
Iberville Parish, Louisiana

1.

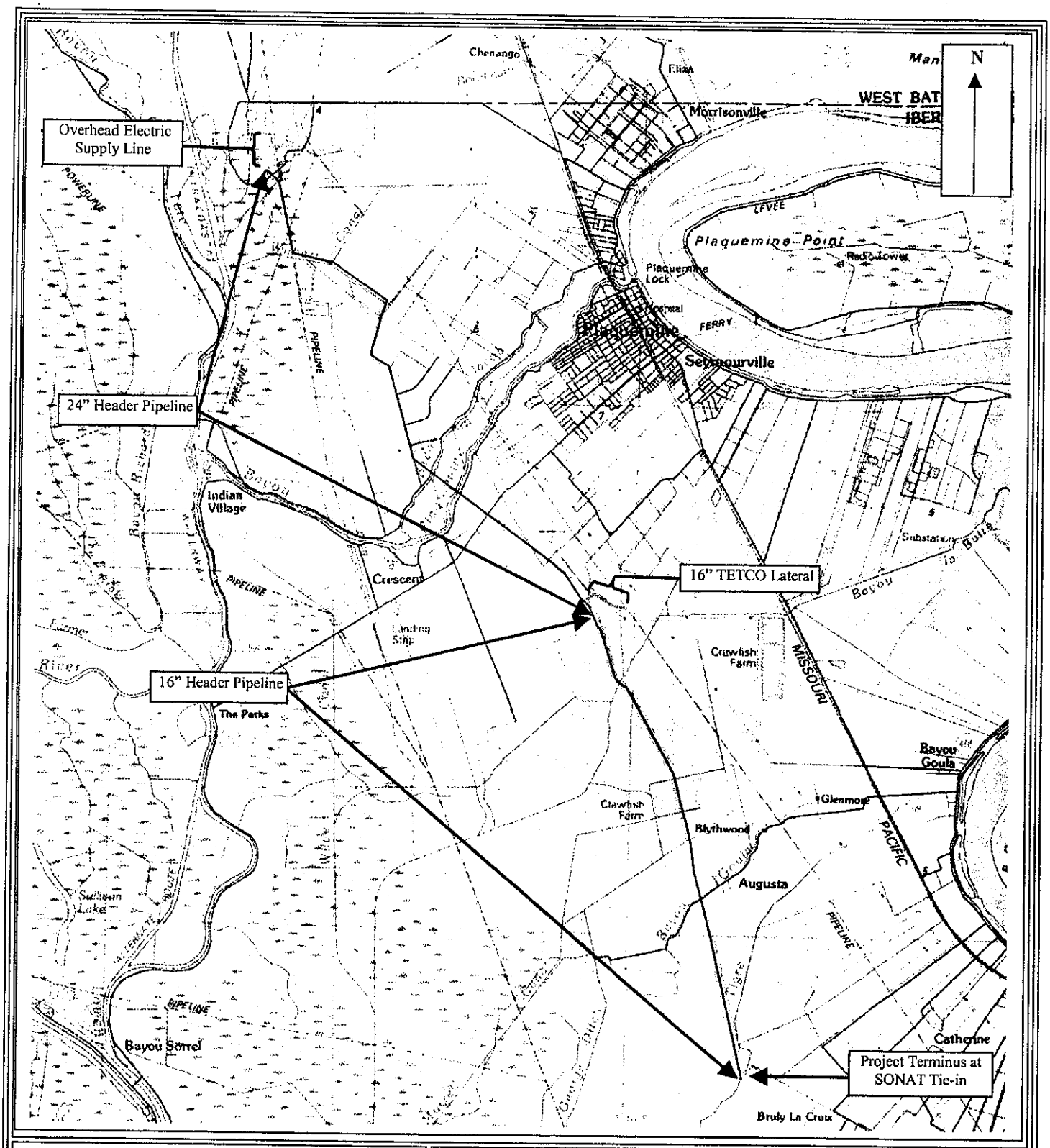
Murrell Family, L.L.C.
30080 Highway 405
Bayou Goula, LA 70788
Contact: D. Denis Murrell
Number: (225) 298-1340

2.

A. Wilbert's Sons, L.L.C.
P. O. Box 694
Plaquemine, LA 70765
Contact: Dean Deslatte
Number: (225) 687-3591 ext. 113

3.

Edward J. Gay Planting & Manufacturing Co., LTD
58900 St. Louis Road
Plaquemine, LA 70764
Contact: John F. Gay
Number: (225) 687-3639



Gremminger & Associates, Inc.
226 South Live Oak Street
Bellville, Texas 77418

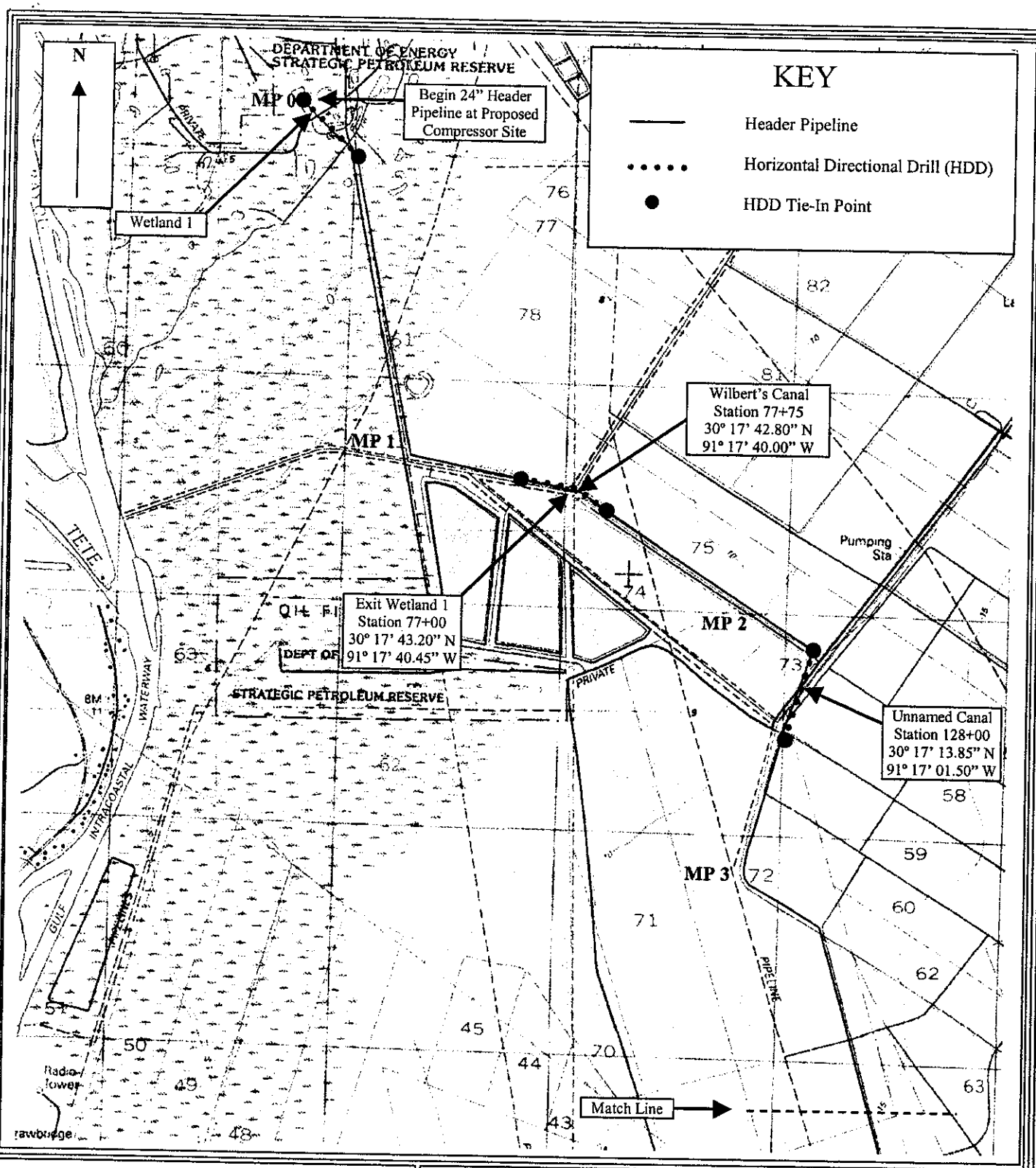
PetroLogistics Natural Gas Storage, LLC.
PetroLogistics Gas Storage Project
Vicinity Map

Source: USGS 30 X 60 Minute Quadrangle: Baton Rouge, Louisiana

prepared for:

PETROLOGISTICS

PROJECT: GAI Project No. 27116	
LOCATION: Iberville Parish, Louisiana	
APPR.:	DATE:
DRAWN BY: EJM	SCALE: 1:100,000
DATE: 7/26/07	FIGURE: 1



Gremminger & Associates, Inc.
226 South Live Oak Street
Bellville, Texas 77418

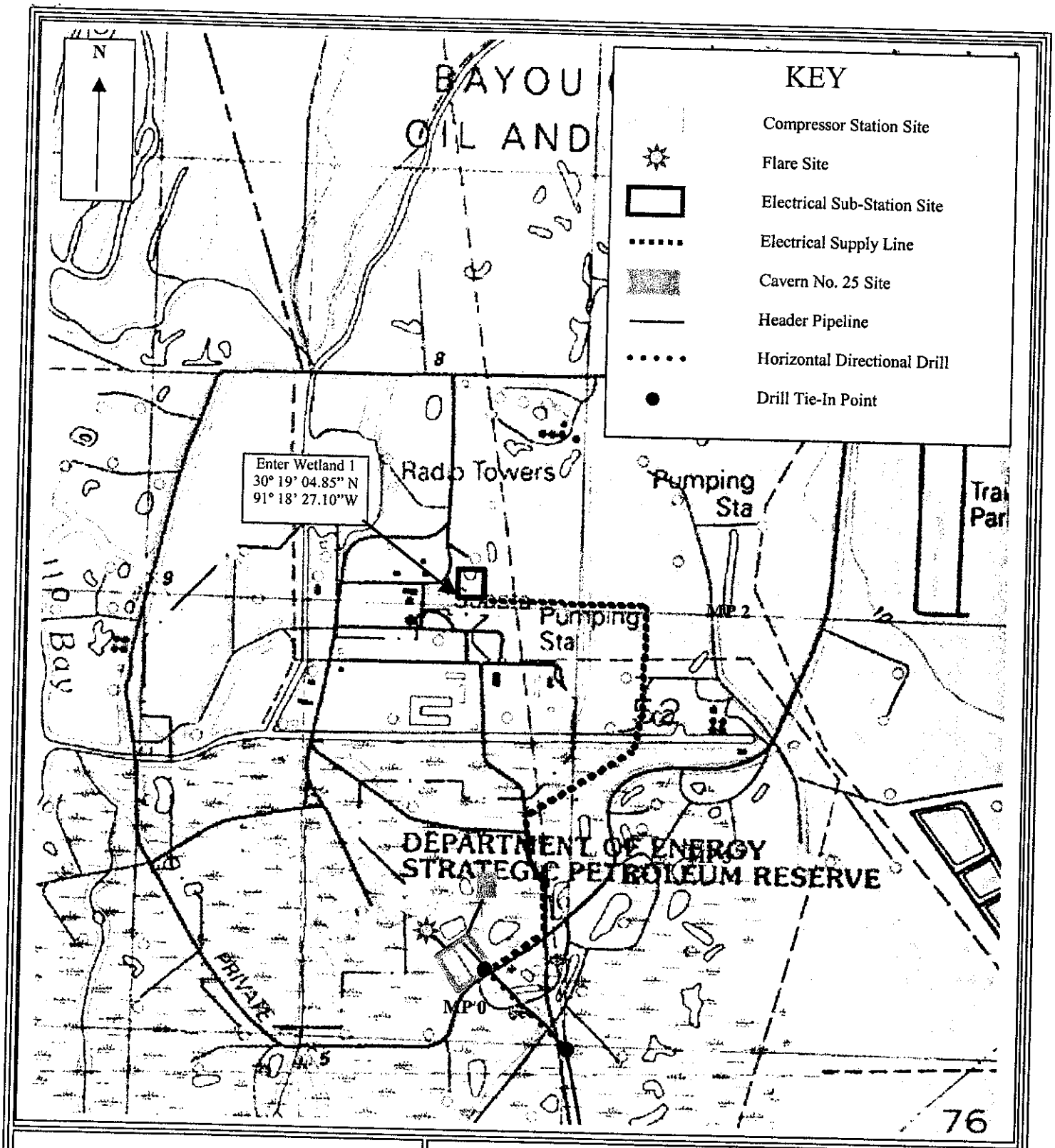
Petrologistics Natural Gas Storage, LLC.
Petrologistics Gas Storage Project

Source: USGS 7.5-Minute Quadrangle: Addis, Louisiana

prepared for:

PETROLOGISTICS

PROJECT: GAI Project No. 27116	
LOCATION: Iberville Parish, Louisiana	
APPR.:	DATE:
DRAWN BY: EJM	SCALE: 1:24000
DATE: 7/26/07	FIGURE: 2



Gremminger & Associates, Inc.
226 South Live Oak Street
Bellville, Texas 77418

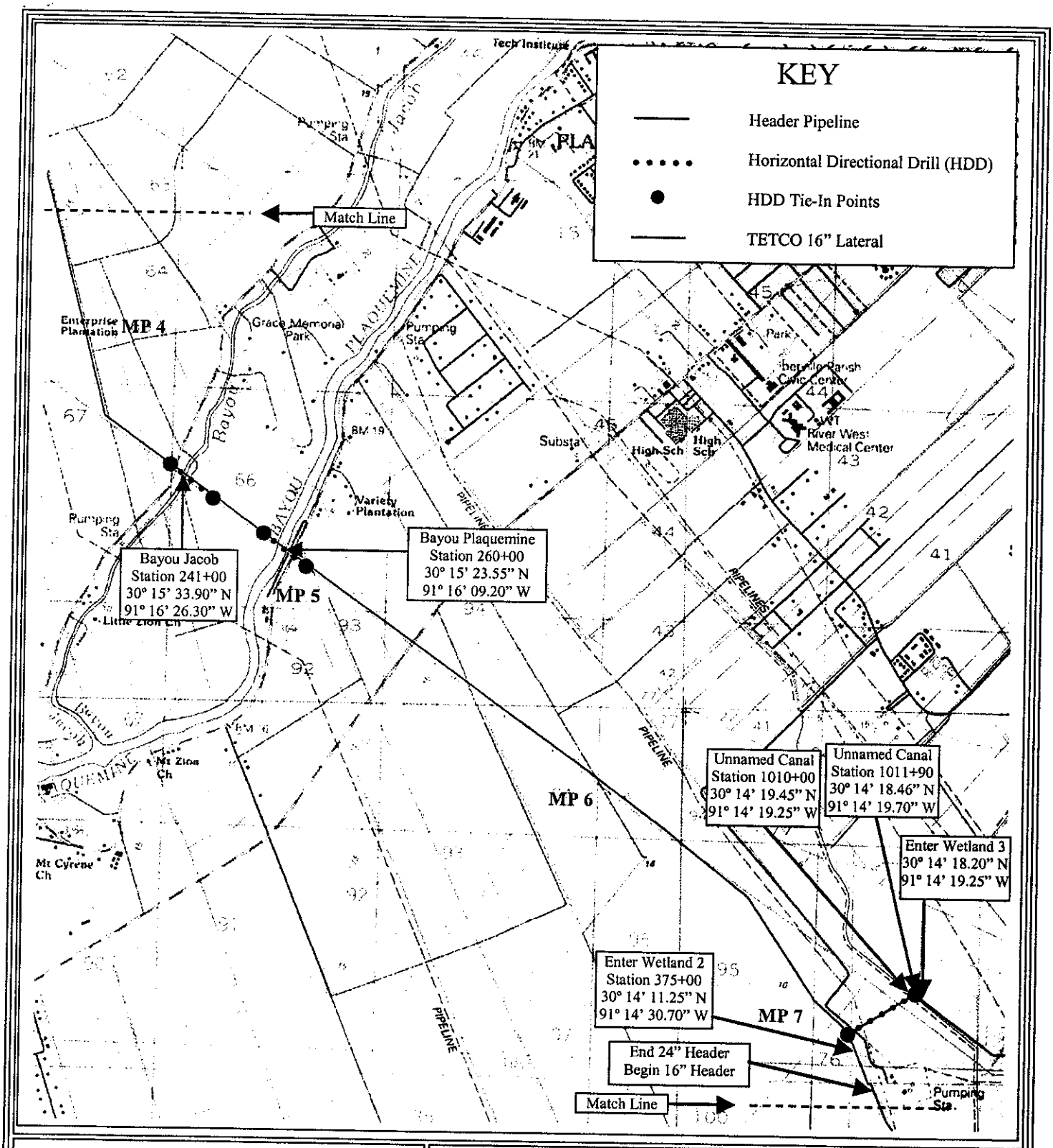
Petrologistics Natural Gas Storage, LLC.
Petrologistics Gas Storage Project

Source: USGS 7.5-Minute Quadrangle: Addis, Louisiana

prepared for:

PETROLOGISTICS

PROJECT: GAI Project No. 27116	
LOCATION: Iberville Parish, Louisiana	
APPR.:	DATE:
DRAWN BY: EJM	SCALE: 1:12000
DATE: 7/27/07	FIGURE: 2A



Gremminger & Associates, Inc.
226 South Live Oak Street
Bellville, Texas 77418

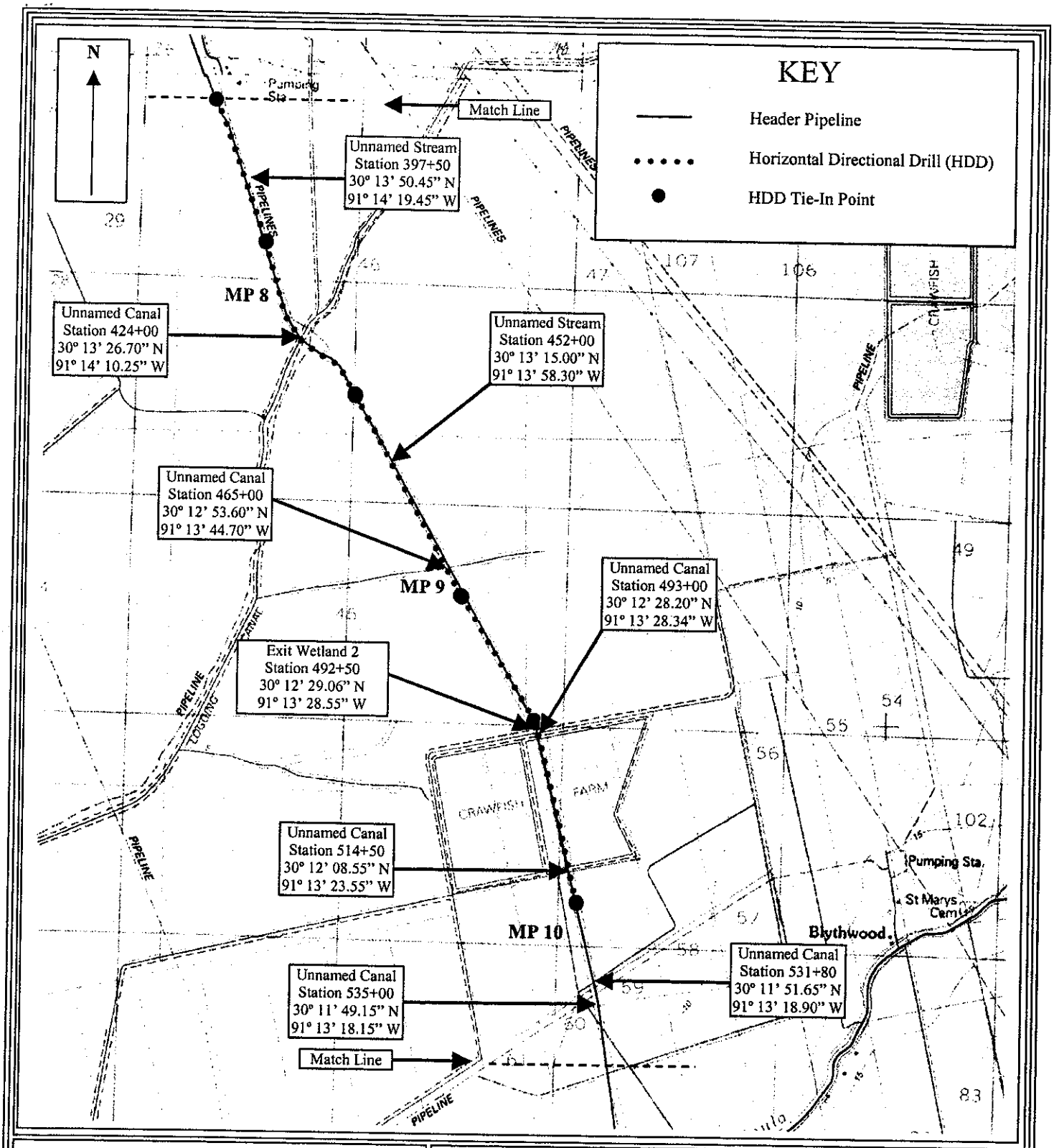
Petrologistics Natural Gas Storage, LLC.
Petrologistics Gas Storage Project

Source: USGS 7.5-Minute Quadrangles: Addis, Bayou Sorrel, & White Castle, LA

prepared for:

PETROLOGISTICS

PROJECT:	GAI Project No. 27116		
LOCATION:	Iberville Parish, Louisiana		
APPR.:		DATE:	
DRAWN BY:	SMM	SCALE:	1:24000
DATE:	7/1/07	FIGURE:	3



Gremminger & Associates, Inc.
226 South Live Oak Street
Bellville, Texas 77418

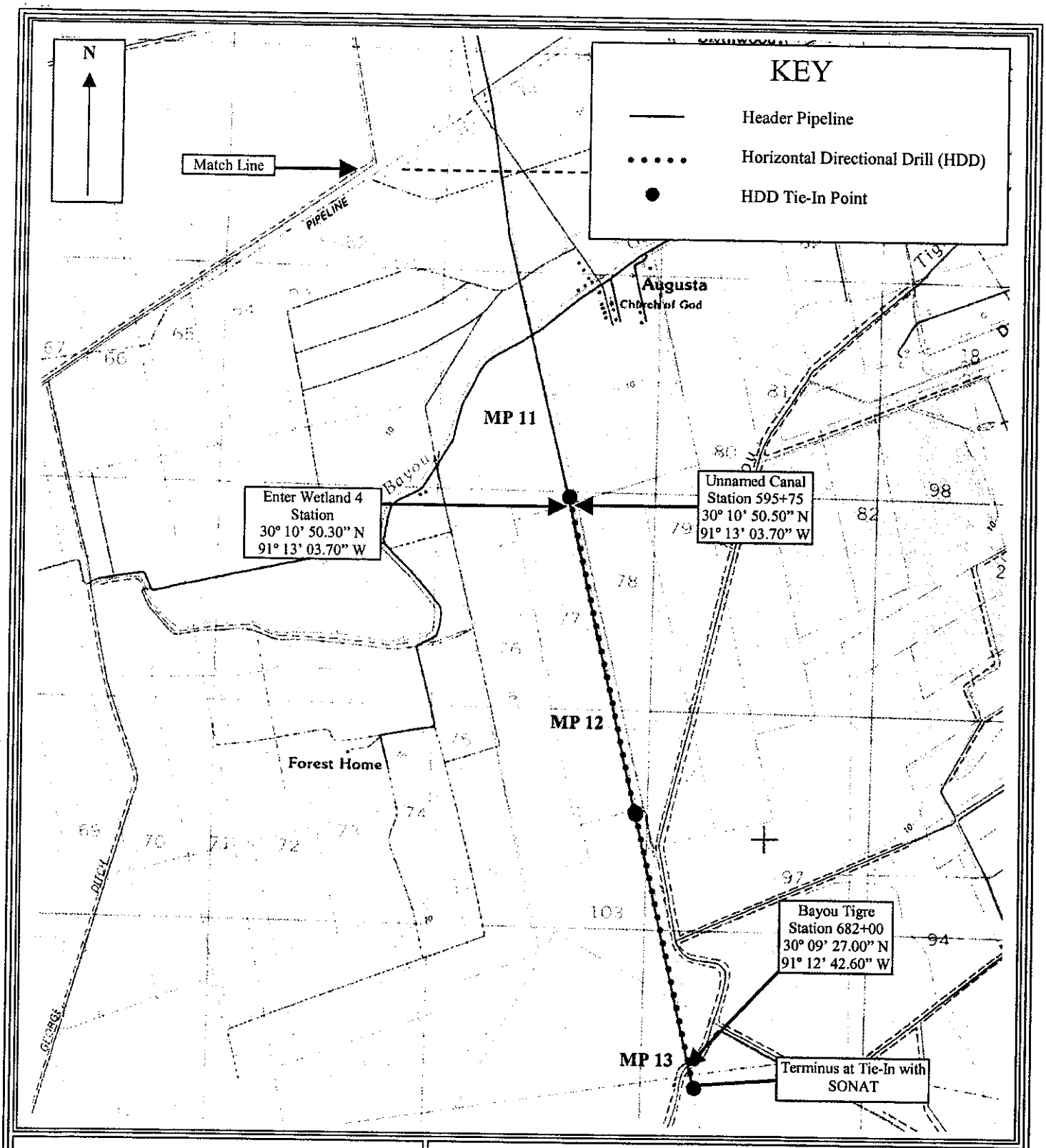
Petrologistics Natural Gas Storage, LLC.
Petrologistics Gas Storage Project

Source: USGS 7.5-Minute Quadrangle: White Castle, Louisiana

prepared for:

PETROLOGISTICS

PROJECT: GAI Project No. 27116	
LOCATION: Iberville Parish, Louisiana	
APPR.:	DATE:
DRAWN BY: EJM	SCALE: 1:24000
DATE: 7/26/07	FIGURE: 4



Gremminger & Associates, Inc.
226 South Live Oak Street
Bellville, Texas 77418

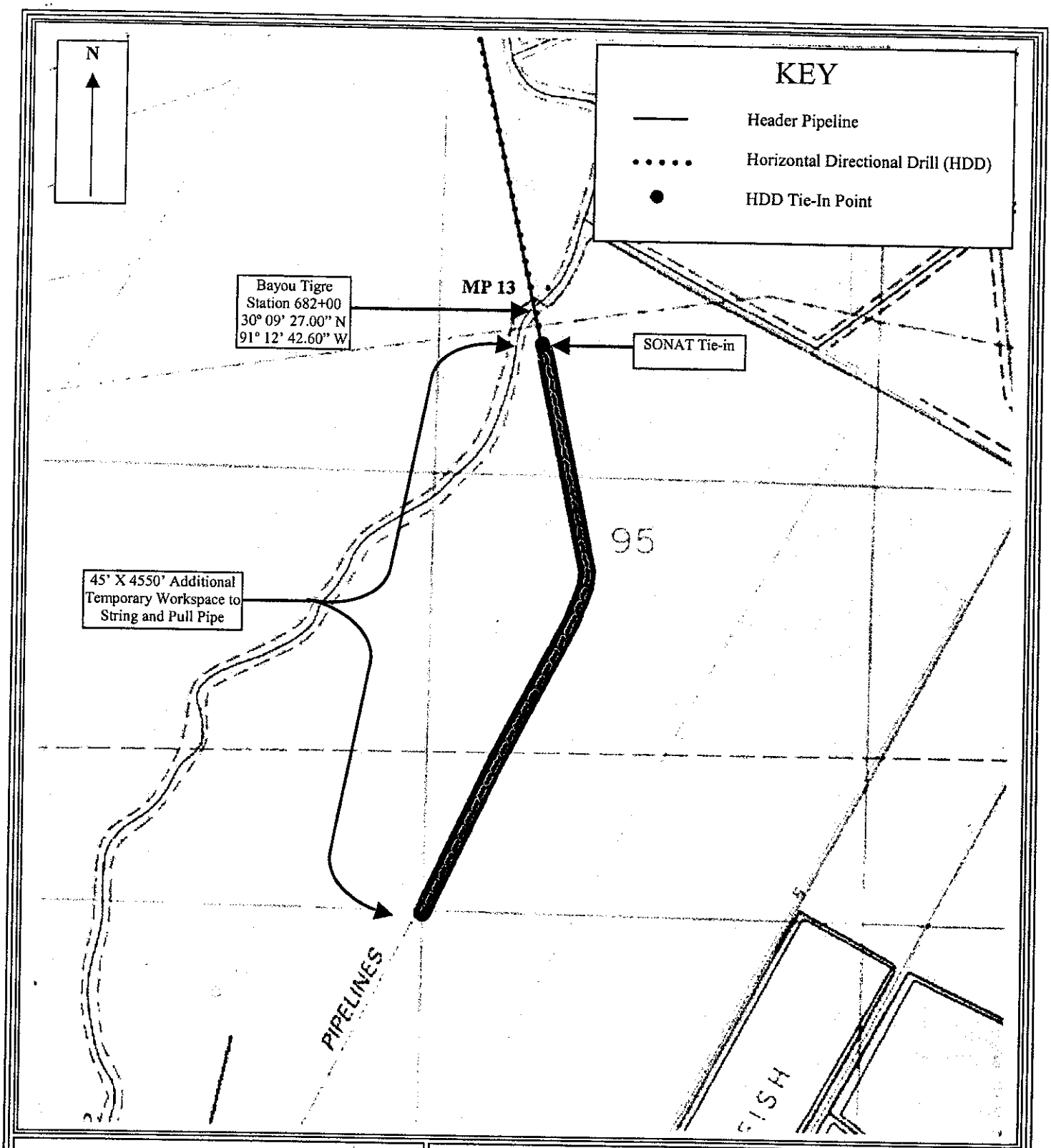
Petrologistics Natural Gas Storage, LLC.
Petrologistics Gas Storage Project

Source: USGS 7.5-Minute Quadrangle: White Castle, Louisiana

prepared for:

PETROLOGISTICS

PROJECT:	GAI Project No. 27116		
LOCATION:	Iberville Parish, Louisiana		
APPR.:		DATE:	
DRAWN BY:	EJM	SCALE:	1:24000
DATE:	7/26/07	FIGURE:	5



Gremminger & Associates, Inc.
226 South Live Oak Street
Bellville, Texas 77418

Petrologistics Natural Gas Storage, LLC.
Petrologistics Gas Storage Project

Source: USGS 7.5-Minute Quadrangle: White Castle, Louisiana

prepared for:

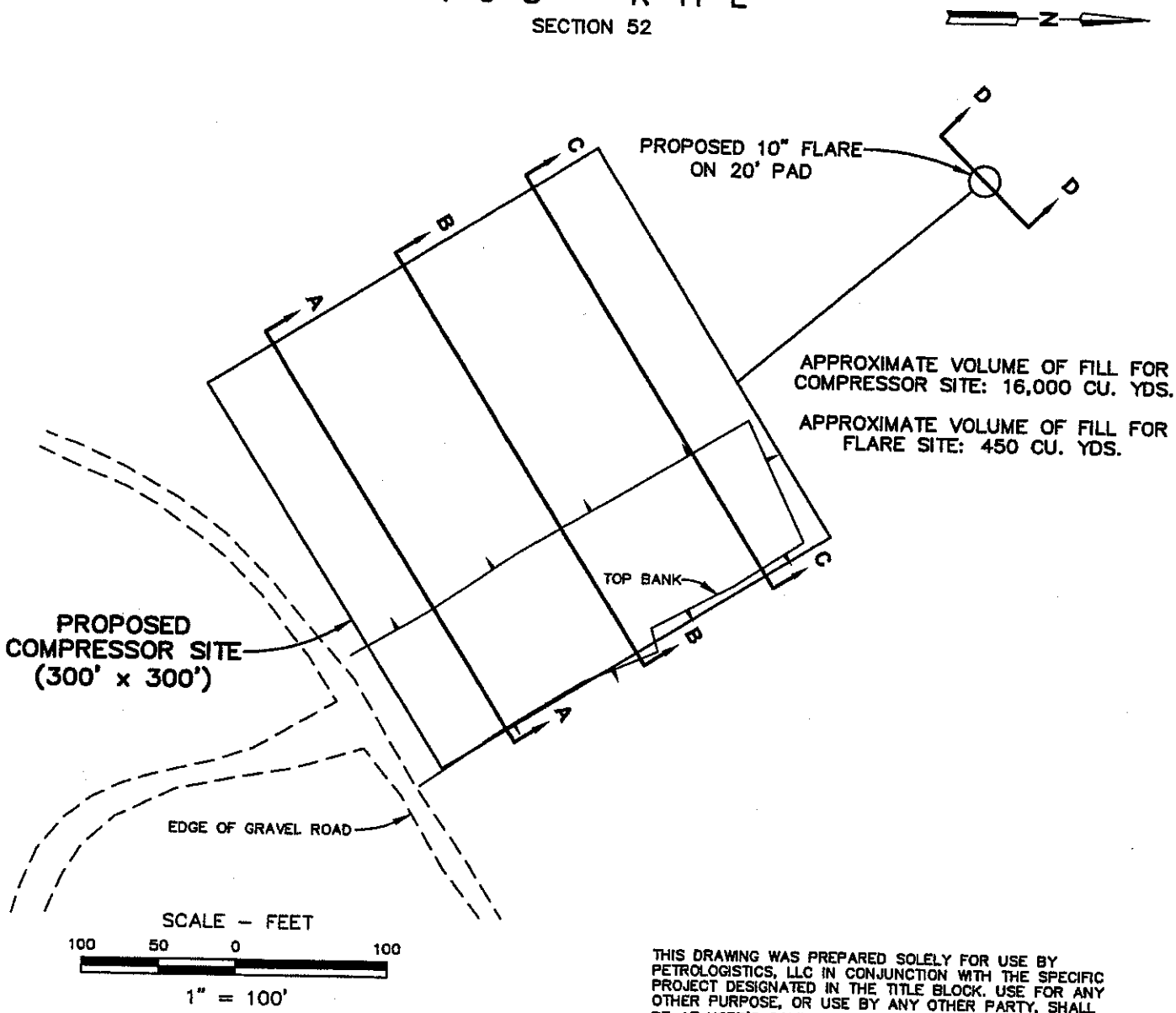
PETROLOGISTICS

PROJECT: GAI Project No. 27116	
LOCATION: Iberville Parish, Louisiana	
APPR.:	DATE:
DRAWN BY: EJM	SCALE: 1:12000
DATE: 7/26/07	FIGURE: 5A

IBERVILLE PARISH, LOUISIANA

T-9-S R-11-E

SECTION 52



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NOTES:

NORTH ARROW REFER TO THE LOUISIANA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE (NAD 83), BASED ON GLOBAL POSITIONING SYSTEM (GPS) TIES.

DISTANCES ARE IN FEET BY HORIZONTAL MEASUREMENT.

THE PROPOSED COMPRESSOR SITE LOCATION AND DIMENSIONS SHOWN ARE APPROXIMATE, BASED ON THE DATA PROVIDED BY PETROLOGISTICS.

SECTION, TOWNSHIP AND RANGE INFORMATION IS SCALED FROM THE REFERENCED U.S.G.S. QUADRANGLE MAP.

DATES OF SURVEY: MAY – JULY, 2007.

REFERENCES:

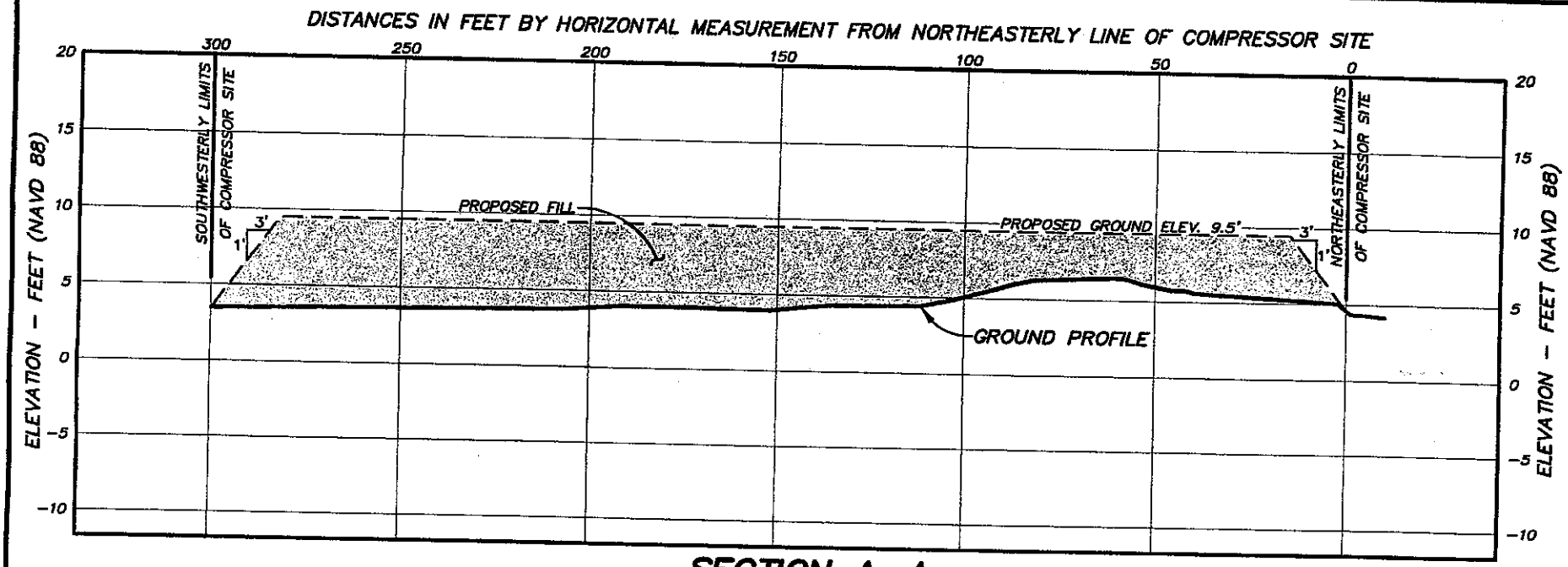
HYDRO FIELD BOOK NOS. 1282 & 1297.

UNITED STATES GEOLOGICAL SURVEY (U.S.G.S.) QUADRANGLE MAPS "ADDIS, LA." DATED 1992.

AERIAL PHOTOGRAPHS DATED JUNE, 2007.

BY	PETROLOGISTICS
REVISION	TOPOGRAPHIC SURVEY OF PROPOSED CHOCTAW COMPRESSOR STATION SITE IBERVILLE PARISH, LOUISIANA
	Hydro Consultants, inc. BATON ROUGE, LOUISIANA
DATE	DRAWN CAH / CHECKED WAM / APPROVED MEG JR
	DATE SEPTEMBER 13, 2007 / DWG. NO. A08-150-20, SHEET 1 OF 5

IBERVILLE PARISH, LOUISIANA



SECTION A–A

SCALES

1"= 40' HORIZONTAL
1"= 10' VERTICAL

NOTE: SEE SHEET 1 OF 5 FOR GENERAL NOTES AND REFERENCES.

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DATE	REVISION	BY

PETROLOGISTICS

PROPOSED COMPRESSOR SITE
CROSS SECTIONS

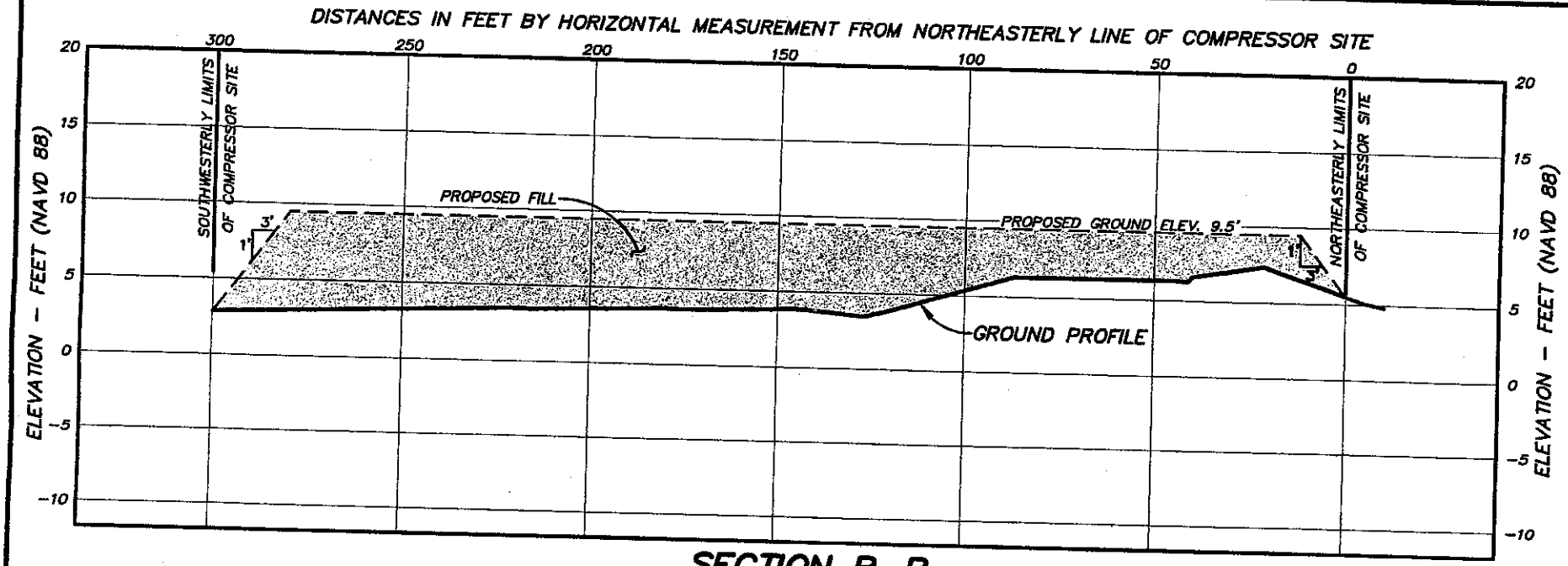
SECTION A–A

IBERVILLE PARISH, LOUISIANA

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN CAH	CHECKED WAM	APPROVED MEG JR
DATE SEPTEMBER 13, 2007	DWG. NO. A08–150–20, SHEET 2 OF 5	

IBERVILLE PARISH, LOUISIANA



SECTION B–B

SCALES

1"= 40' HORIZONTAL
1"= 10' VERTICAL

NOTE: SEE SHEET 1 OF 5 FOR GENERAL NOTES AND REFERENCES.

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DATE	REVISION	BY

PETROLOGISTICS

PROPOSED COMPRESSOR SITE
CROSS SECTIONS

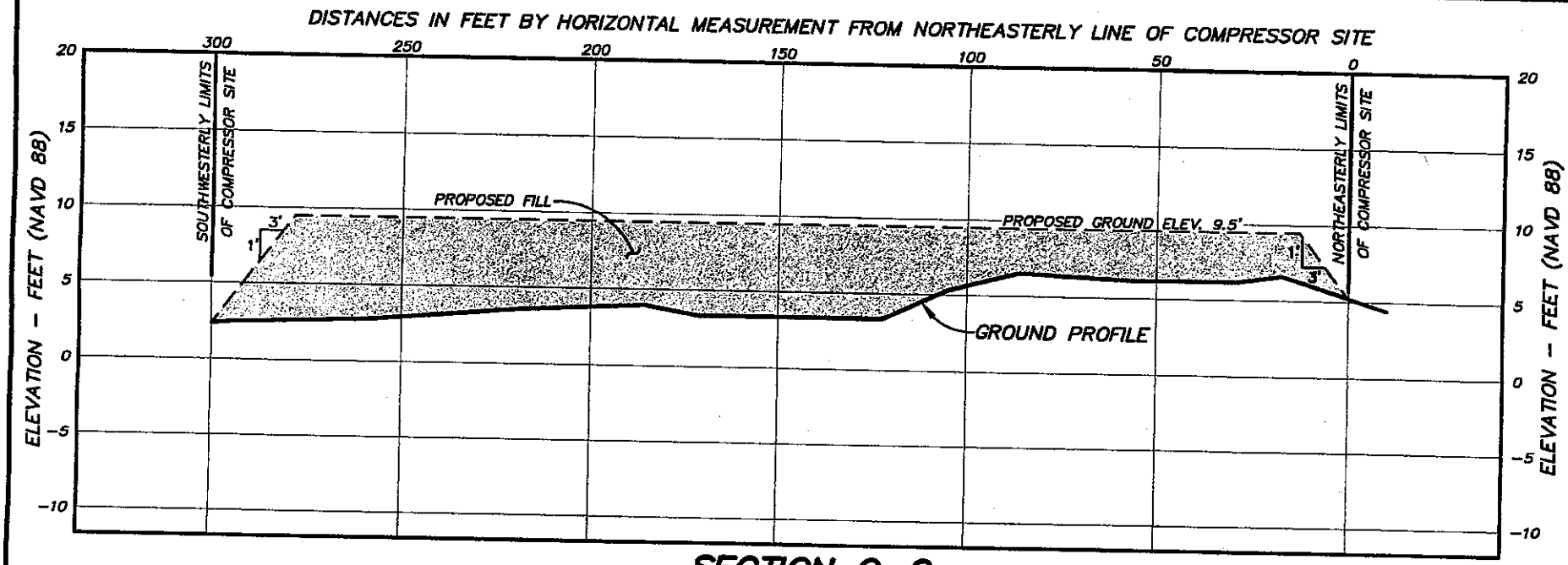
SECTION B–B

IBERVILLE PARISH, LOUISIANA

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN CAH	CHECKED WAM	APPROVED MEG JR
DATE SEPTEMBER 13, 2007	DWG. NO. A08-150-20, SHEET 3 OF 5	

IBERVILLE PARISH, LOUISIANA



SECTION C–C

SCALES

1"= 40' HORIZONTAL
1"= 10' VERTICAL

NOTE: SEE SHEET 1 OF 5 FOR GENERAL NOTES AND REFERENCES.

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DATE	REVISION	BY

PETROLOGISTICS

PROPOSED COMPRESSOR SITE
CROSS SECTIONS

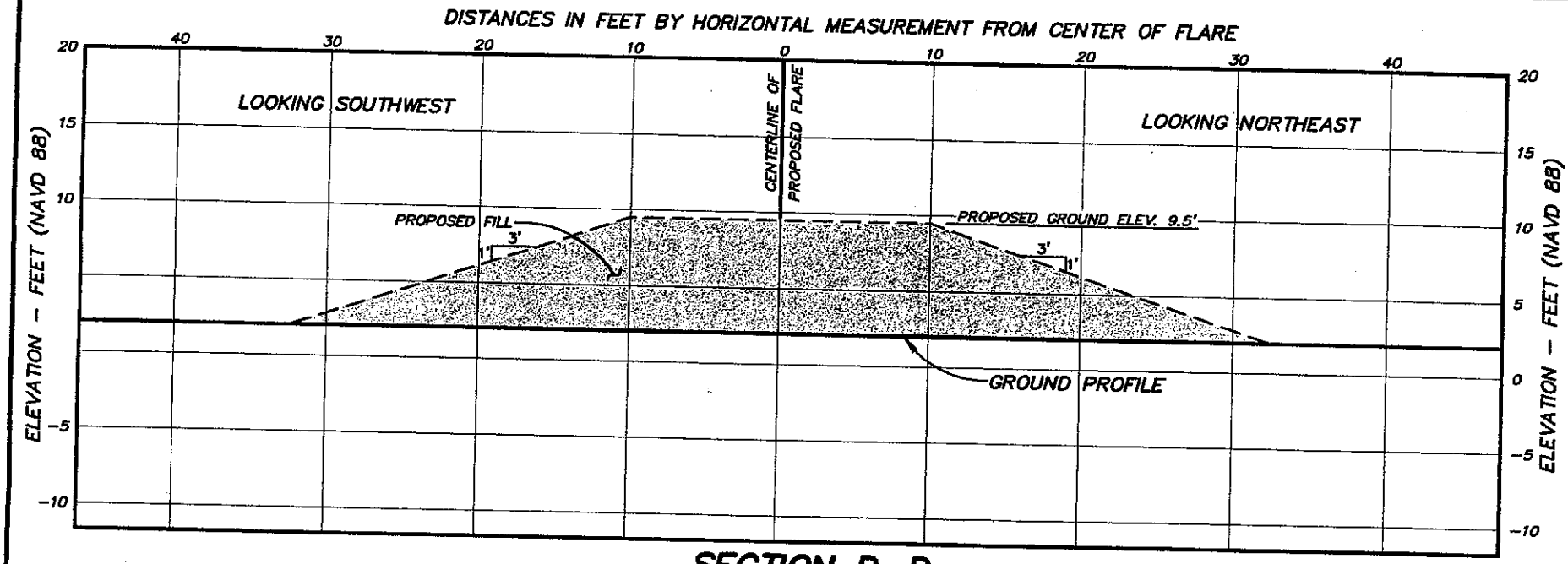
SECTION C–C

IBERVILLE PARISH, LOUISIANA

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN CAH	CHECKED WAM	APPROVED MEG JR
DATE SEPTEMBER 13, 2007	DWG. NO. A08-150-20, SHEET 4 OF 5	

IBERVILLE PARISH, LOUISIANA



SECTION D–D

SCALES

1"= 10' HORIZONTAL
1"= 10' VERTICAL

NOTE: SEE SHEET 1 OF 5 FOR GENERAL NOTES AND REFERENCES.

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DATE	REVISION	BY

PETROLOGISTICS

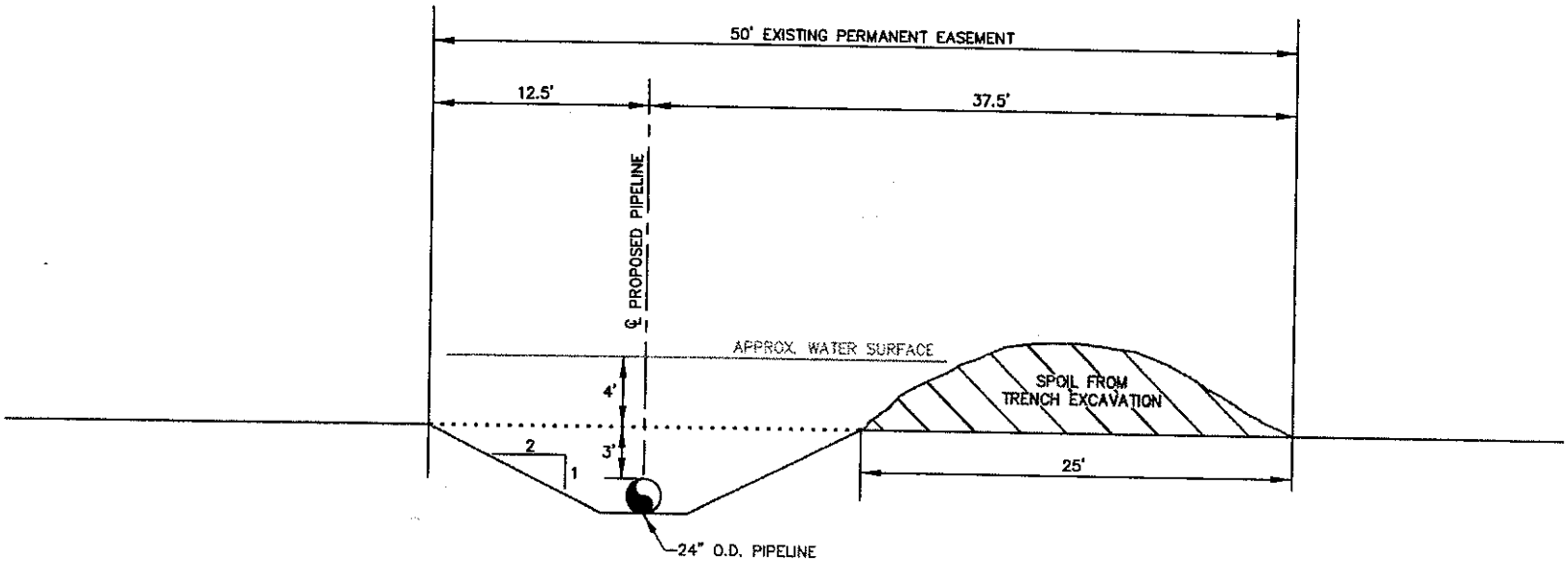
PROPOSED COMPRESSOR SITE
CROSS SECTIONS

SECTION D–D

IBERVILLE PARISH, LOUISIANA

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN CAH	CHECKED WAM	APPROVED MEG JR
DATE SEPTEMBER 13, 2007	DWG. NO. A08–150–20, SHEET 5 OF 5	



TYPICAL SECTION 1

CAVERN INJECTION / WITHDRAWAL PIPELINE
SCALE: 1" = 10'

NOTE:
THESE PLANS WERE PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION DRAWINGS.

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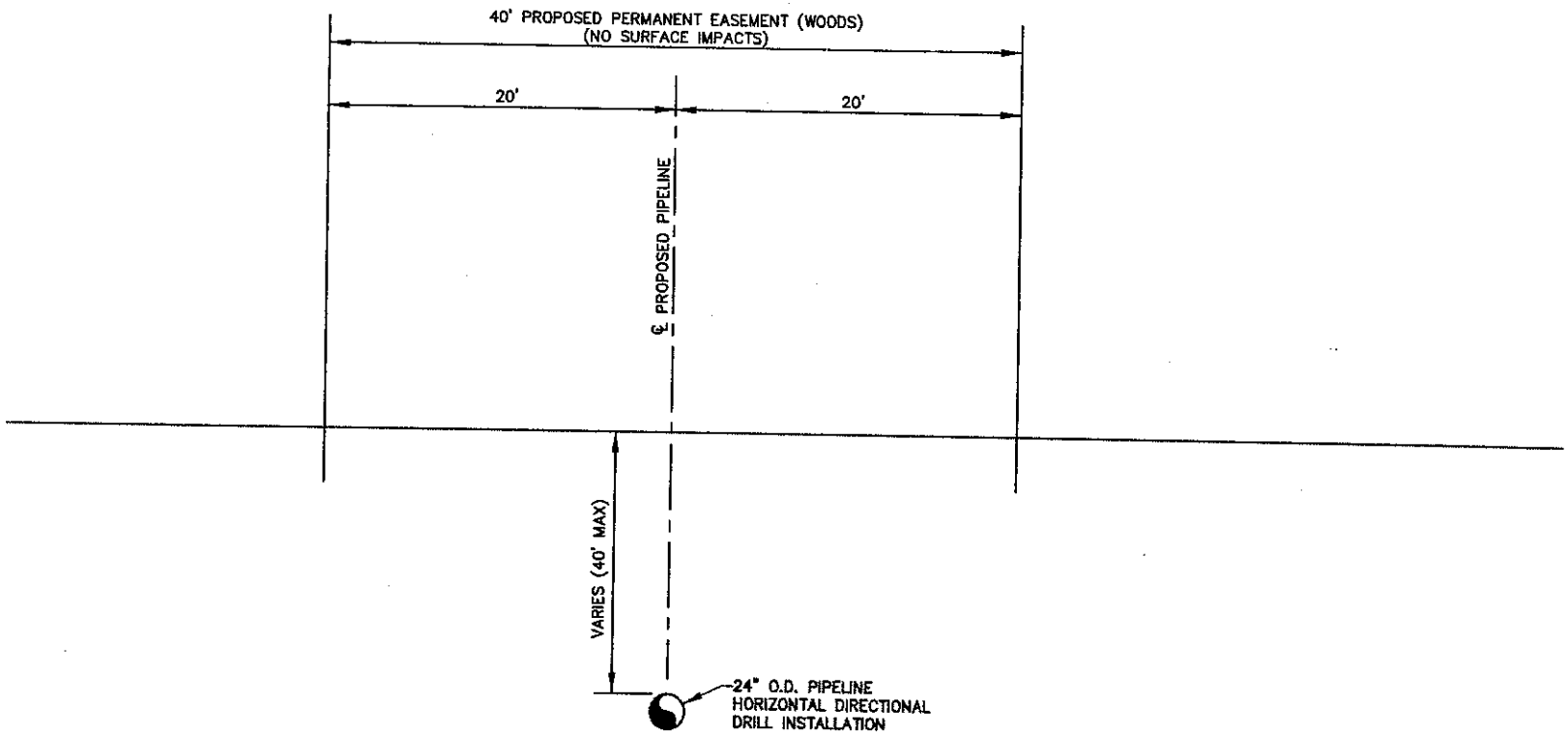
GENERAL	EG JR	BY
REVISION		
9/20/07		DATE

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (1 OF 18)	



TYPICAL SECTION 2

STA. 0+00 TO STA. 18+78
STA. 70+79 TO STA. 79+00
SCALE: 1" = 10'

NOTE:
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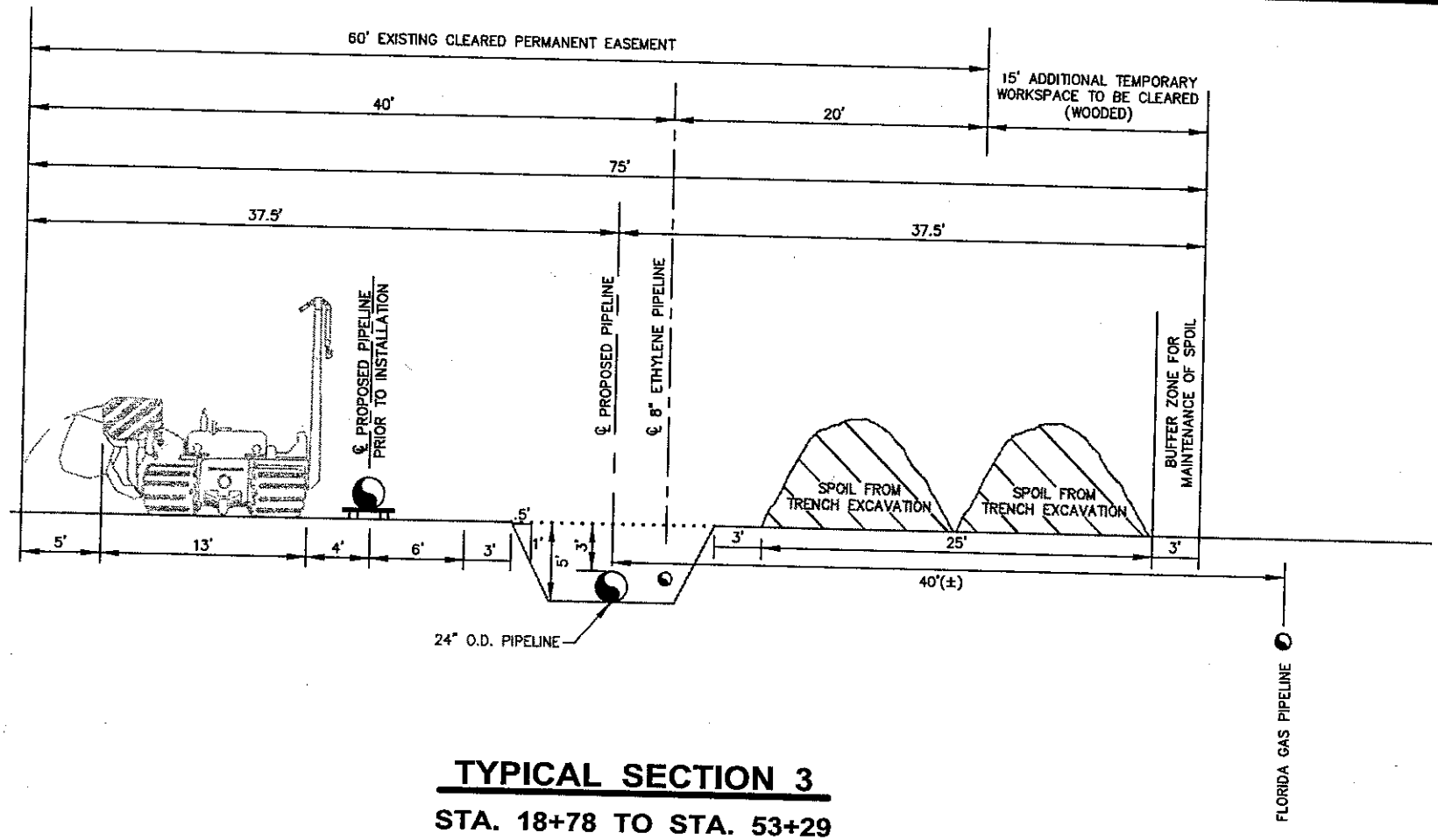
GENERAL REVISION	BY	DATE
	EG JR	9/20/07

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (HORIZONTAL DIRECTIONAL DRILL)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (2 OF 18)	



TYPICAL SECTION 3

STA. 18+78 TO STA. 53+29
SCALE: 1" = 10'

NOTE:
THESE PLANS WERE PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION DRAWINGS.

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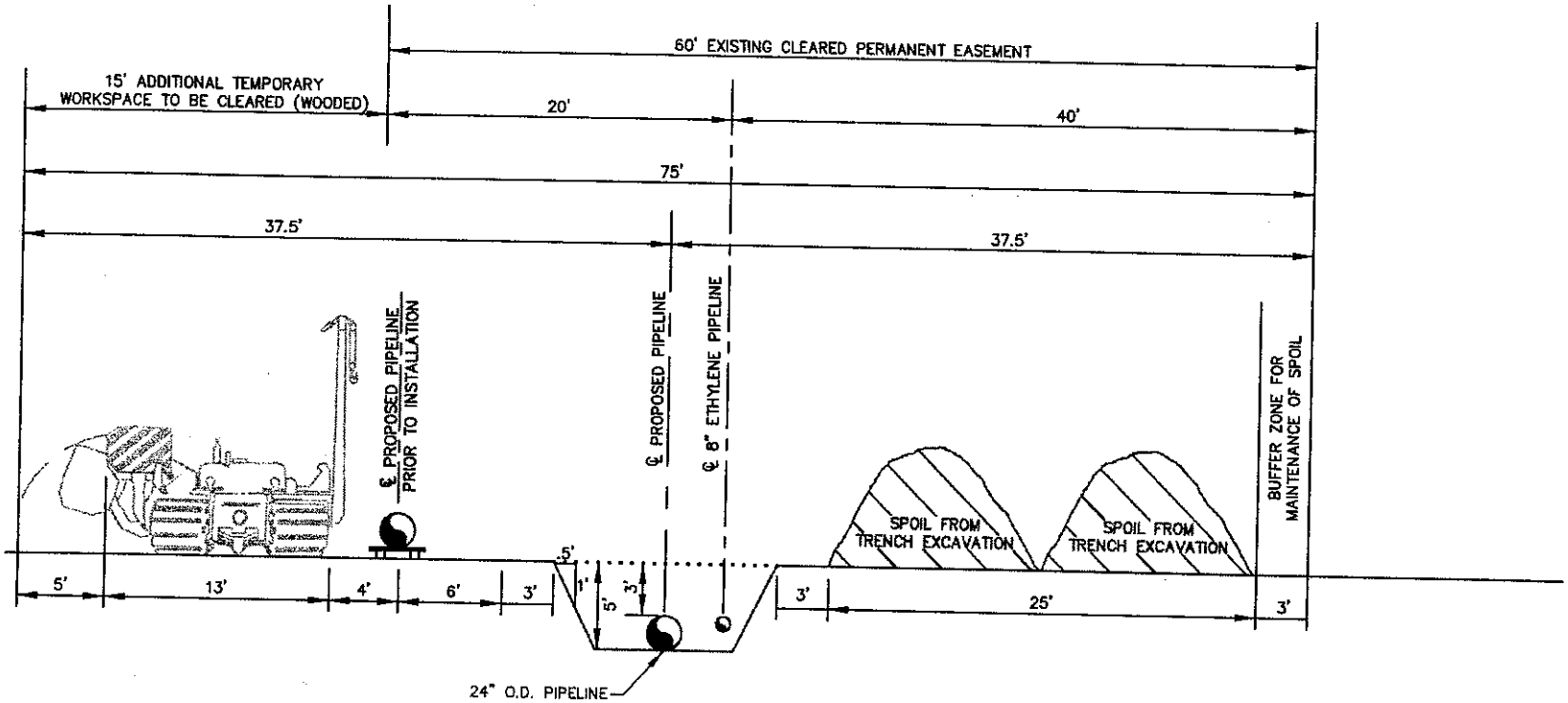
GENERAL REVISION	BY	PETROLOGISTICS
	EG JR	CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)
9/20/07	DATE	Hydro Consultants, inc. BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (3 OF 18)	



TYPICAL SECTION 4

STA. 53+29 TO STA. 70+79
SCALE: 1" = 10'

NOTE:
THESE PLANS WERE PREPARED SOLELY FOR ACQUISITION OF REGULATORY PERMITS AND DO NOT REPRESENT ENGINEERING OR CONSTRUCTION DRAWINGS.

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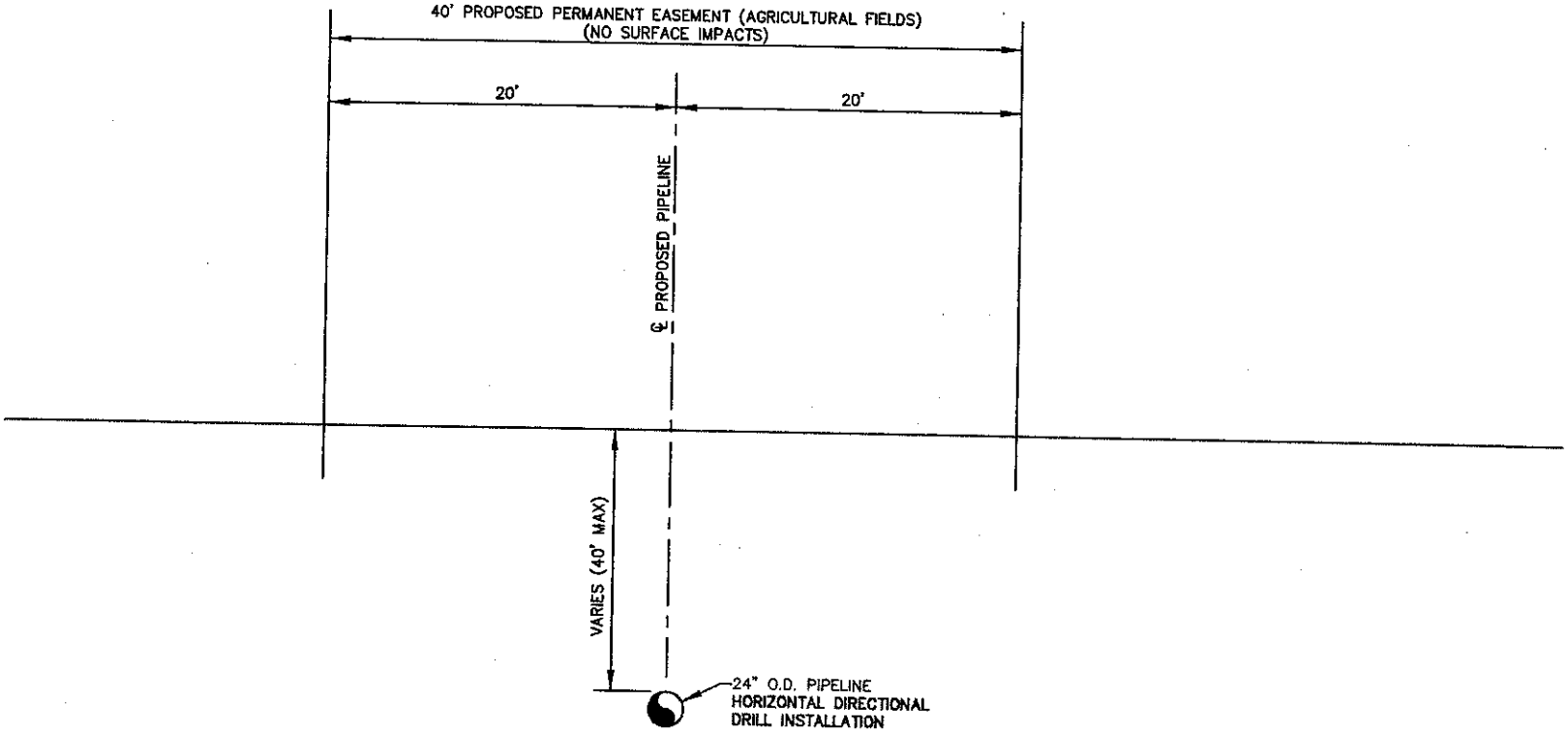
GENERAL REVISION	BY	DATE
	EG JR	9/20/07

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (4 OF 18)	



TYPICAL SECTION 5

STA. 79+00 TO STA. 83+35
STA. 119+55 TO STA. 133+81
STA. 236+81 TO STA. 245+81
STA. 255+39 TO STA. 264+39
SCALE: 1" = 10'

NOTE:
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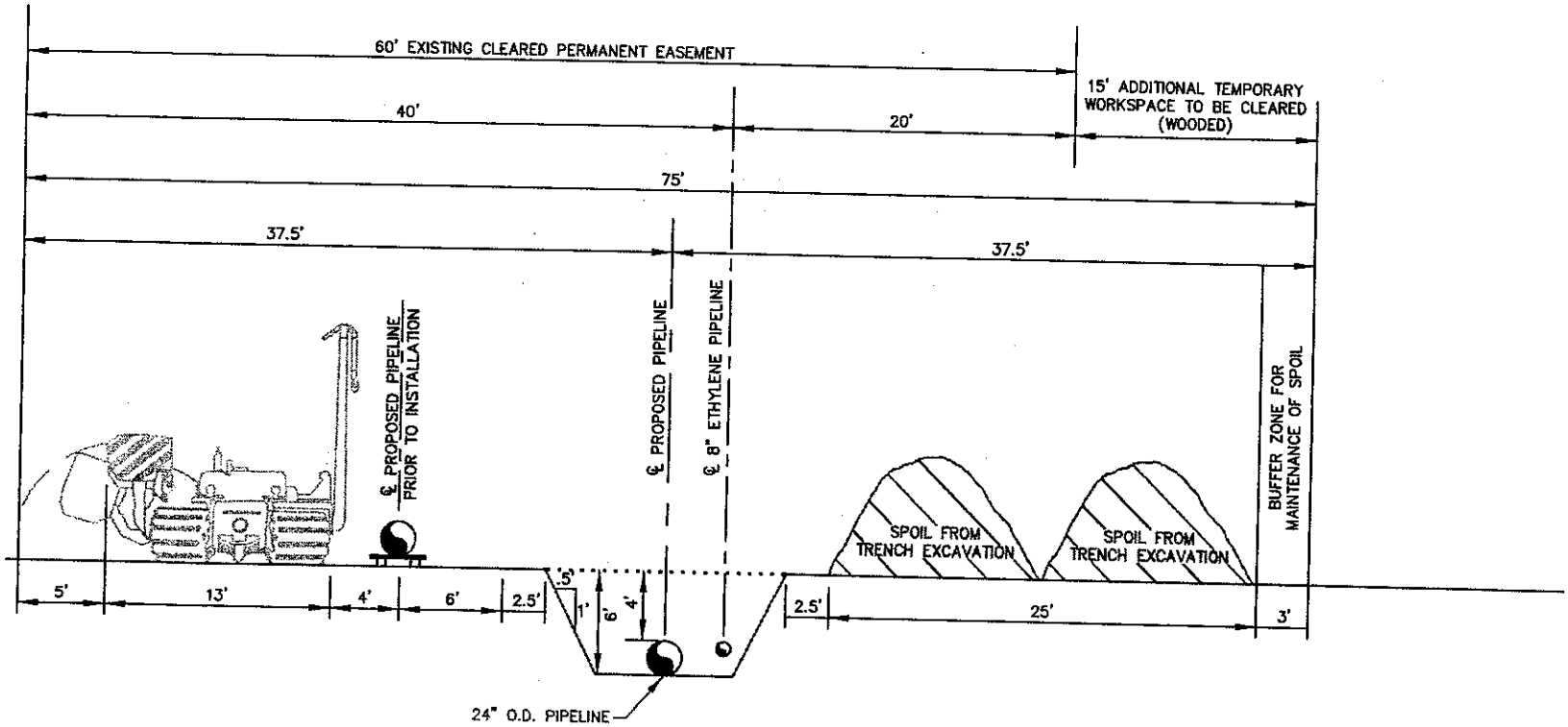
GENERAL REVISION	BY	DATE
	EG JR	9/20/07

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (HORIZONTAL DIRECTIONAL DRILL)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (5 OF 18)	



TYPICAL SECTION 6

STA. 83+85 TO STA. 119+55
SCALE: 1" = 10'

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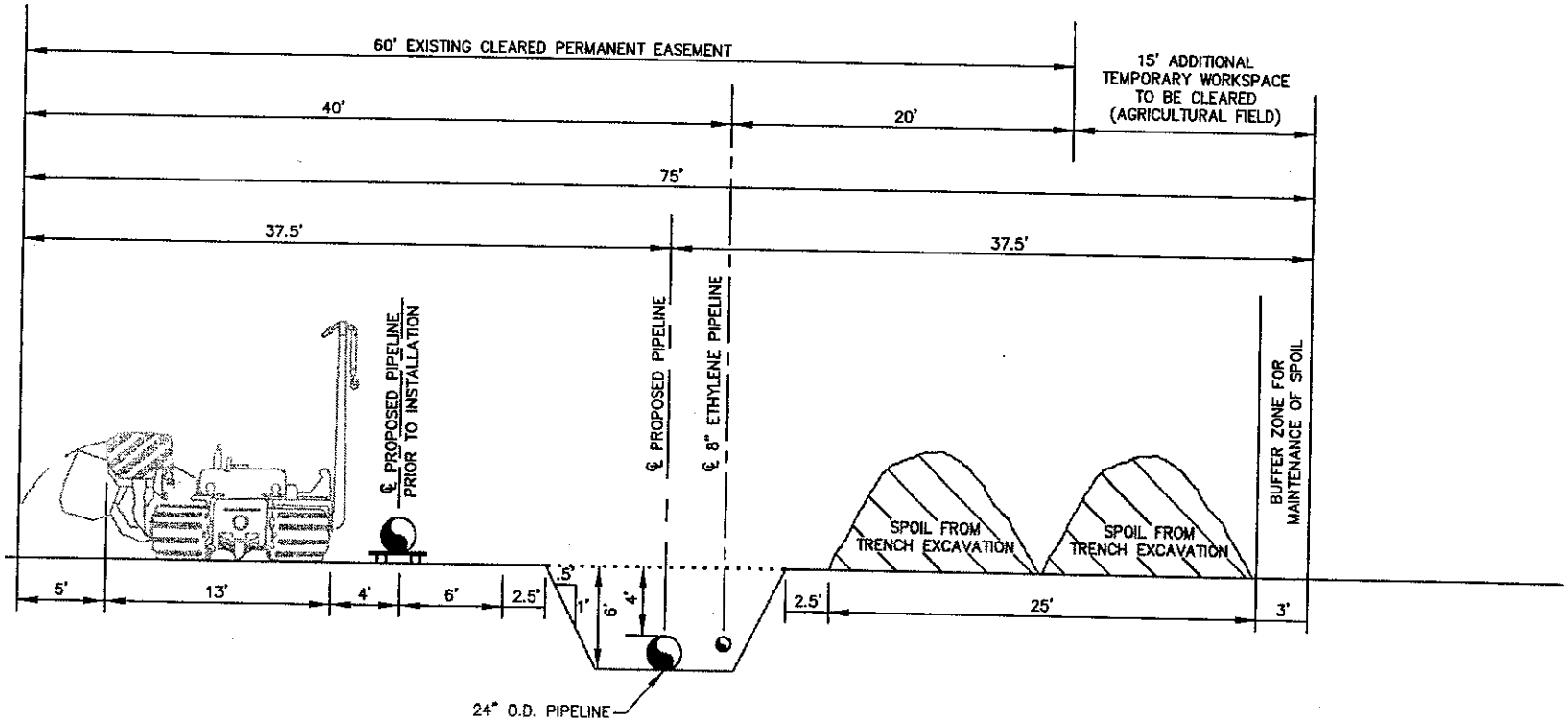
GENERAL	BY
	EG JR
REVISION	
DATE	
9/20/07	

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (6 OF 18)	



TYPICAL SECTION 7

STA. 148+31 TO STA. 227+81
STA. 245+81 TO STA. 255+39
STA. 273+39 TO STA. 344+92
SCALE: 1" = 10'

NOTE:
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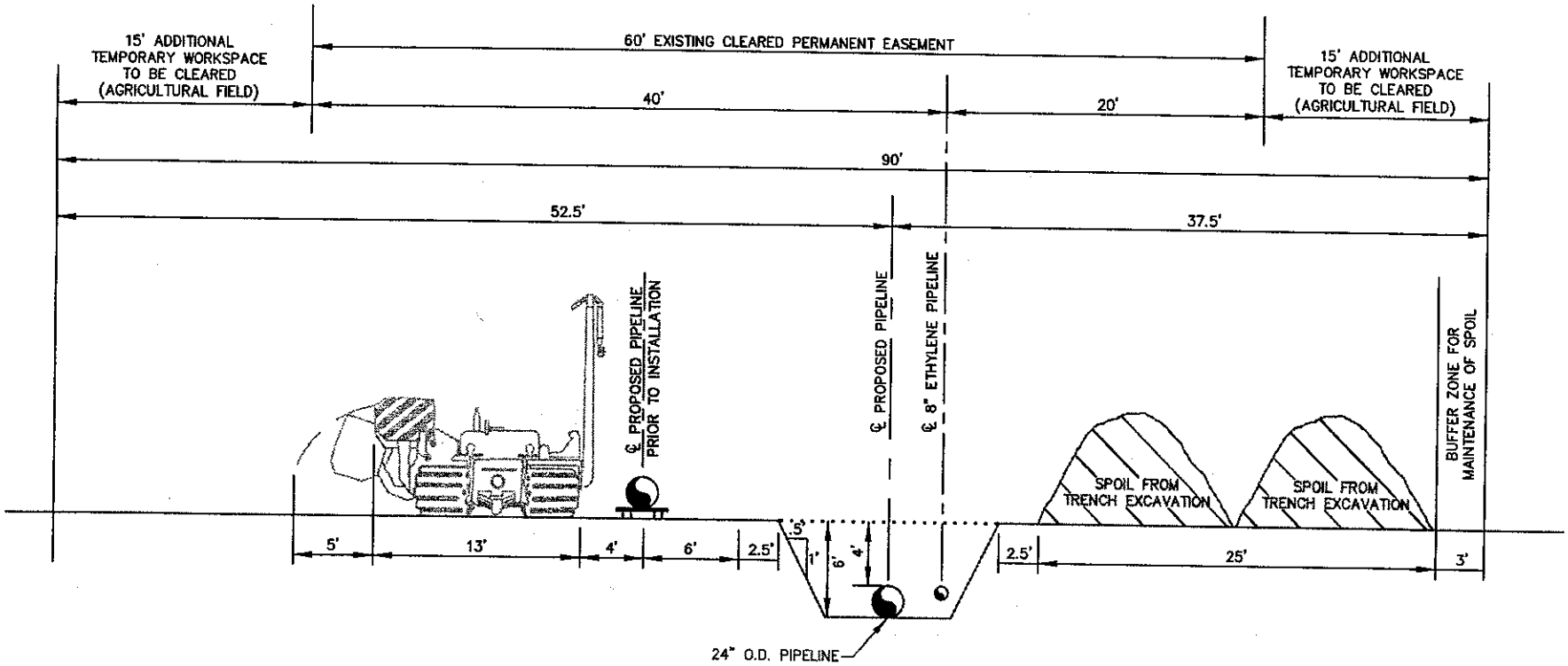
GENERAL REVISION	BY
9/20/07	EG JR

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (7 OF 18)	



TYPICAL SECTION 8

STA. 133+81 TO STA. 148+31
SCALE: 1" = 10'

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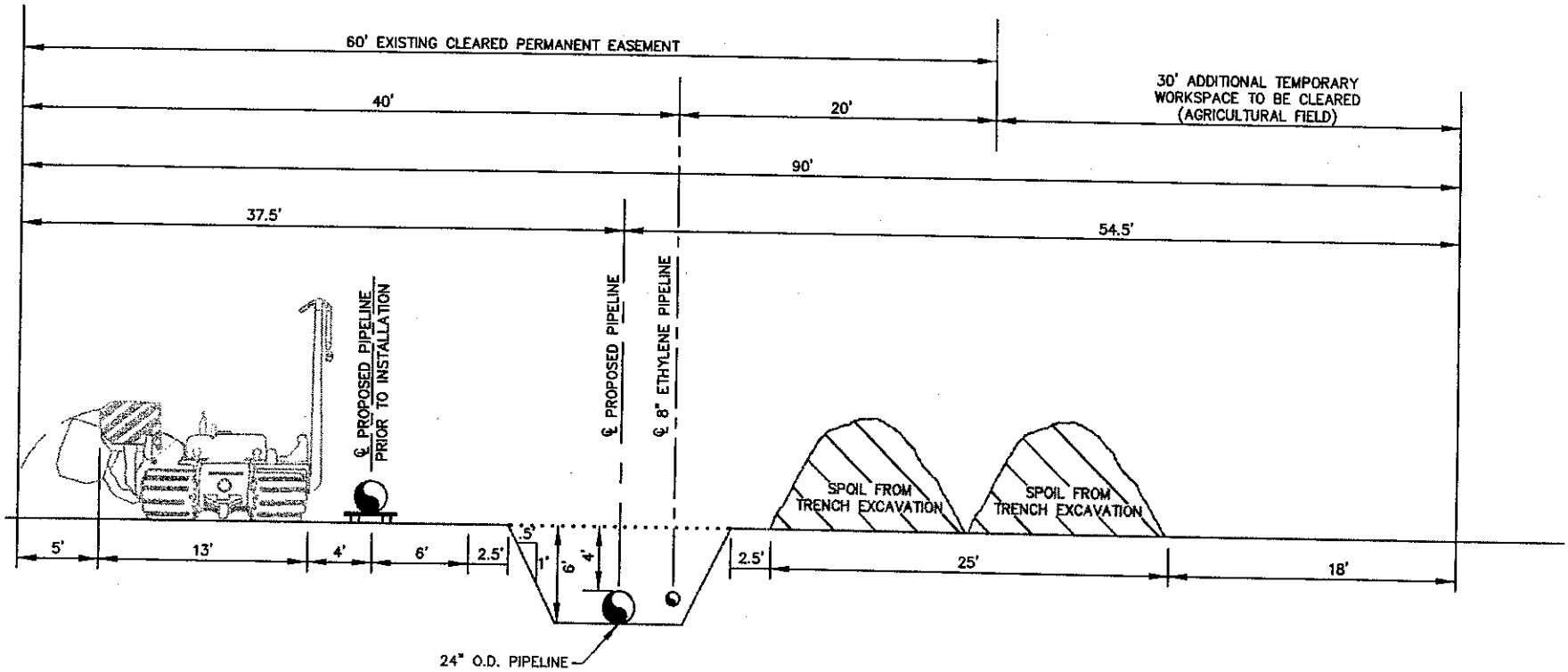
GENERAL REVISION	DATE	BY
	9/20/07	EG JR

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (8 OF 18)	



TYPICAL SECTION 9

STA. 227+81 TO STA. 236+81
STA. 264+39 TO STA. 273+39
SCALE: 1" = 10'

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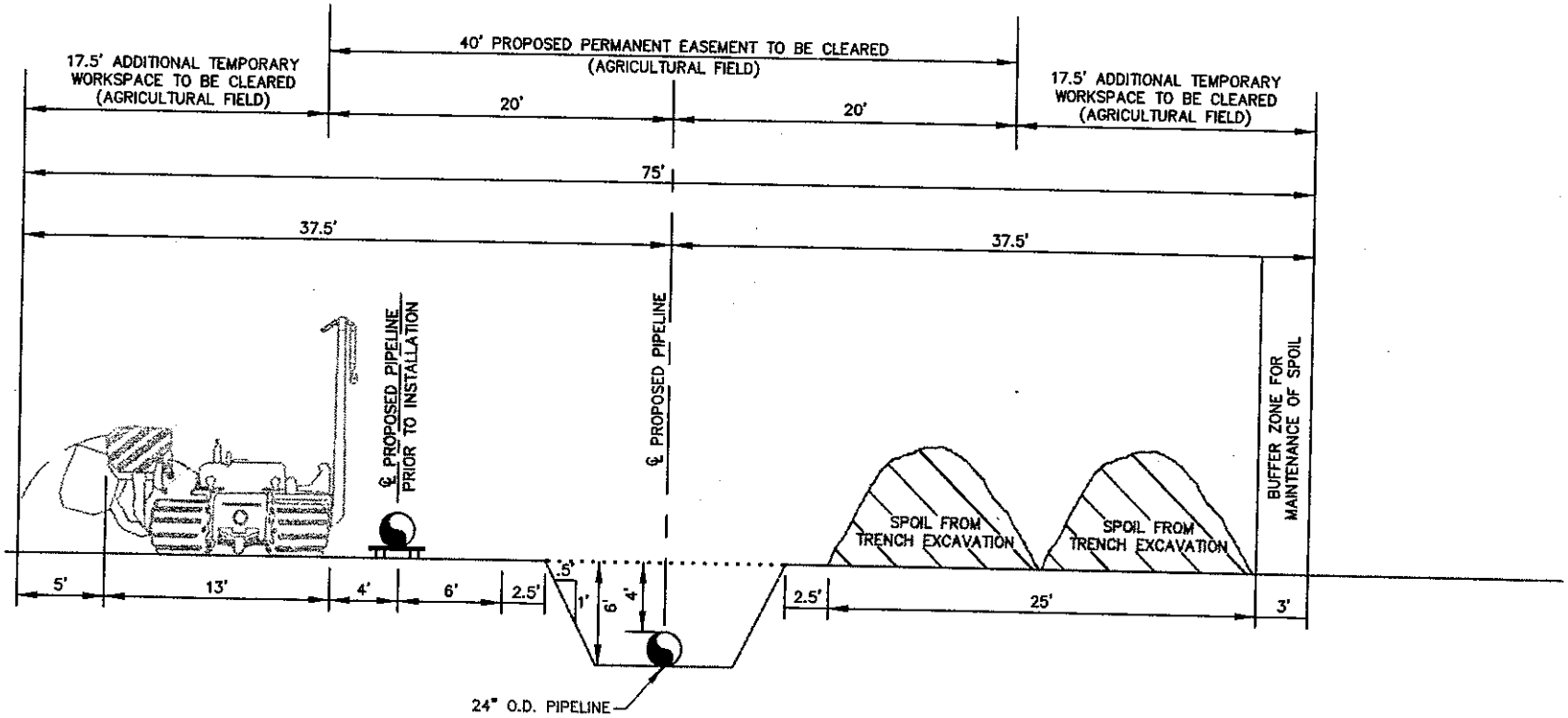
GENERAL REVISION	BY	DATE
	EG JR	8/20/07

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (9 OF 18)	



TYPICAL SECTION 10

STA. 344+92 TO STA. 375+00
SCALE: 1" = 10'

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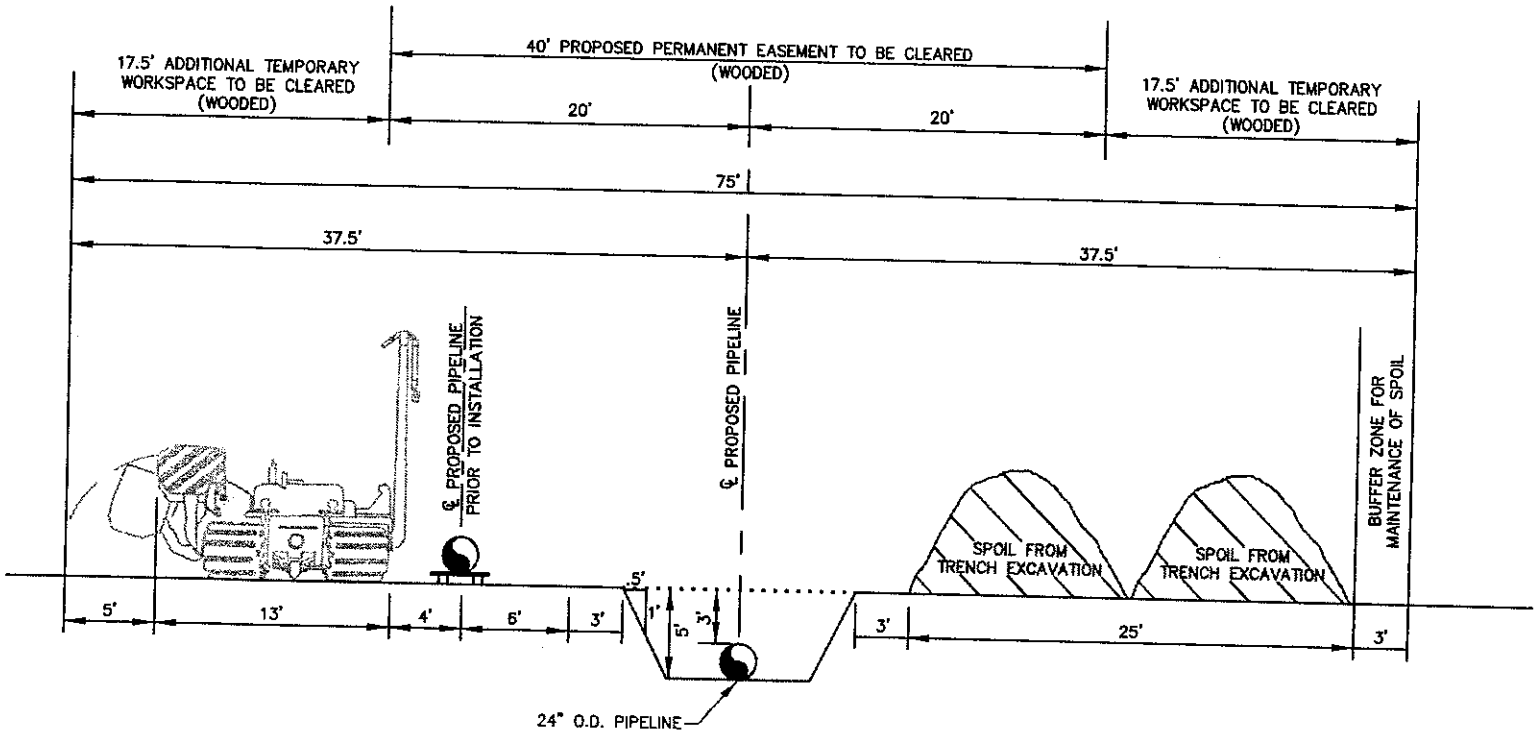
GENERAL	EG	JR
REVISION	BY	
9/20/07	DATE	

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (10 OF 18)	



TYPICAL SECTION 11

STA. 375+00 TO STA. 385+23
SCALE: 1" = 10'

NOTE:
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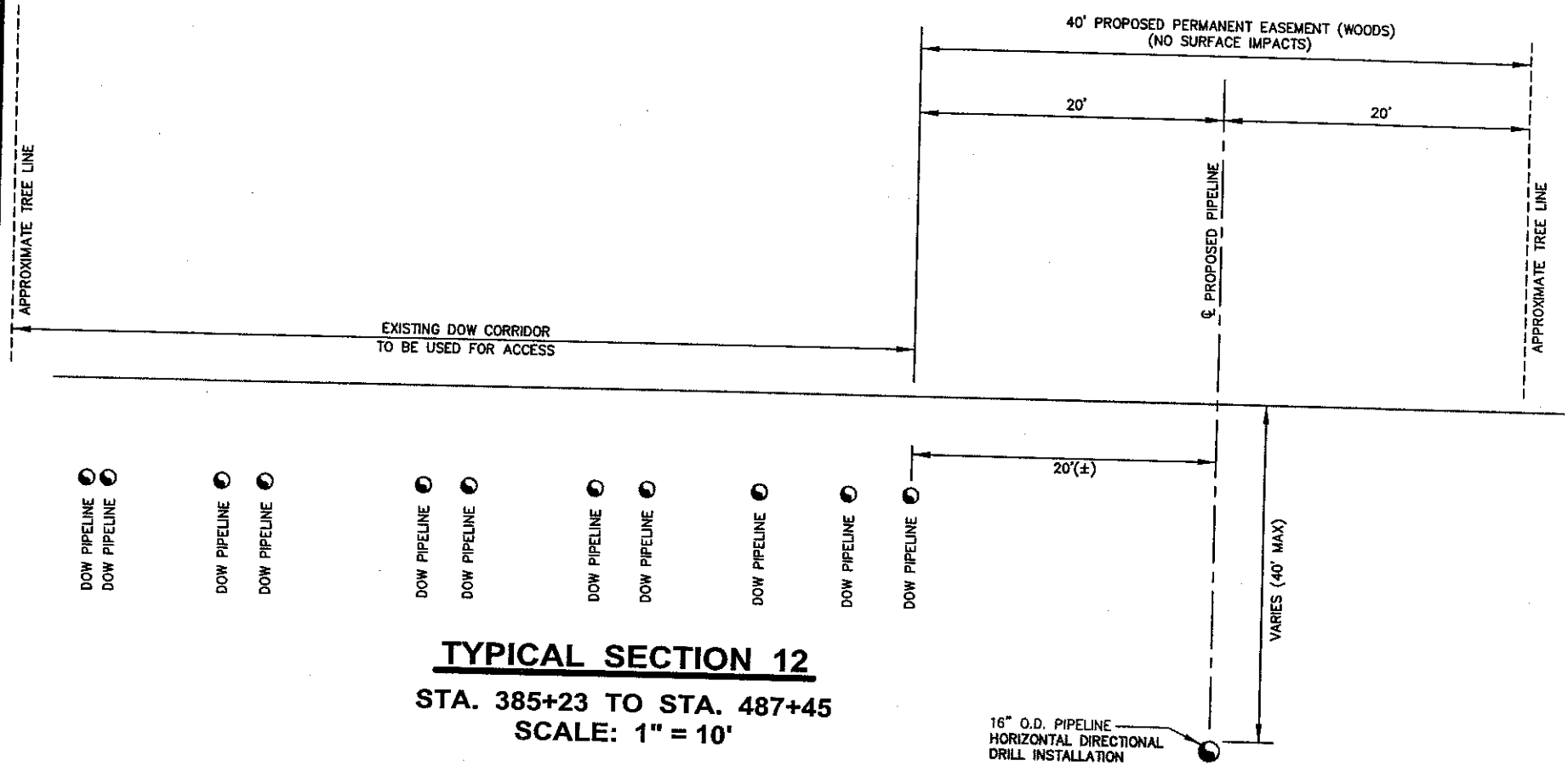
GENERAL		
REVISION	BY	EG JR
DATE	9/20/07	

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (11 OF 18)	



TYPICAL SECTION 12

STA. 385+23 TO STA. 487+45
SCALE: 1" = 10'

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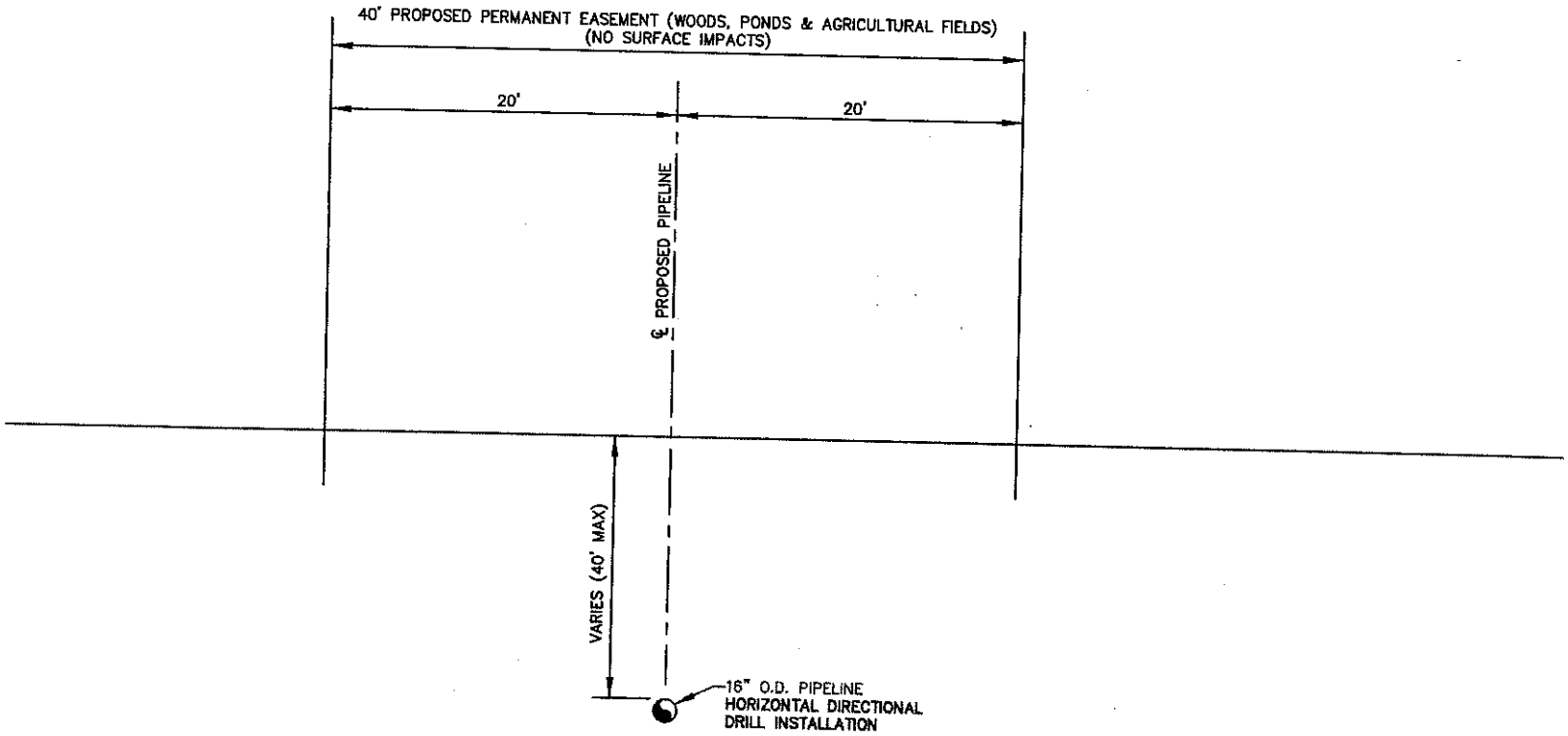
GENERAL REVISION	BY	DATE
	EG JR	8/20/07

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (HORIZONTAL DIRECTIONAL DRILL)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (12 OF 18)	



TYPICAL SECTION 13

STA. 487+45 TO STA. 516+00
SCALE: 1" = 10'

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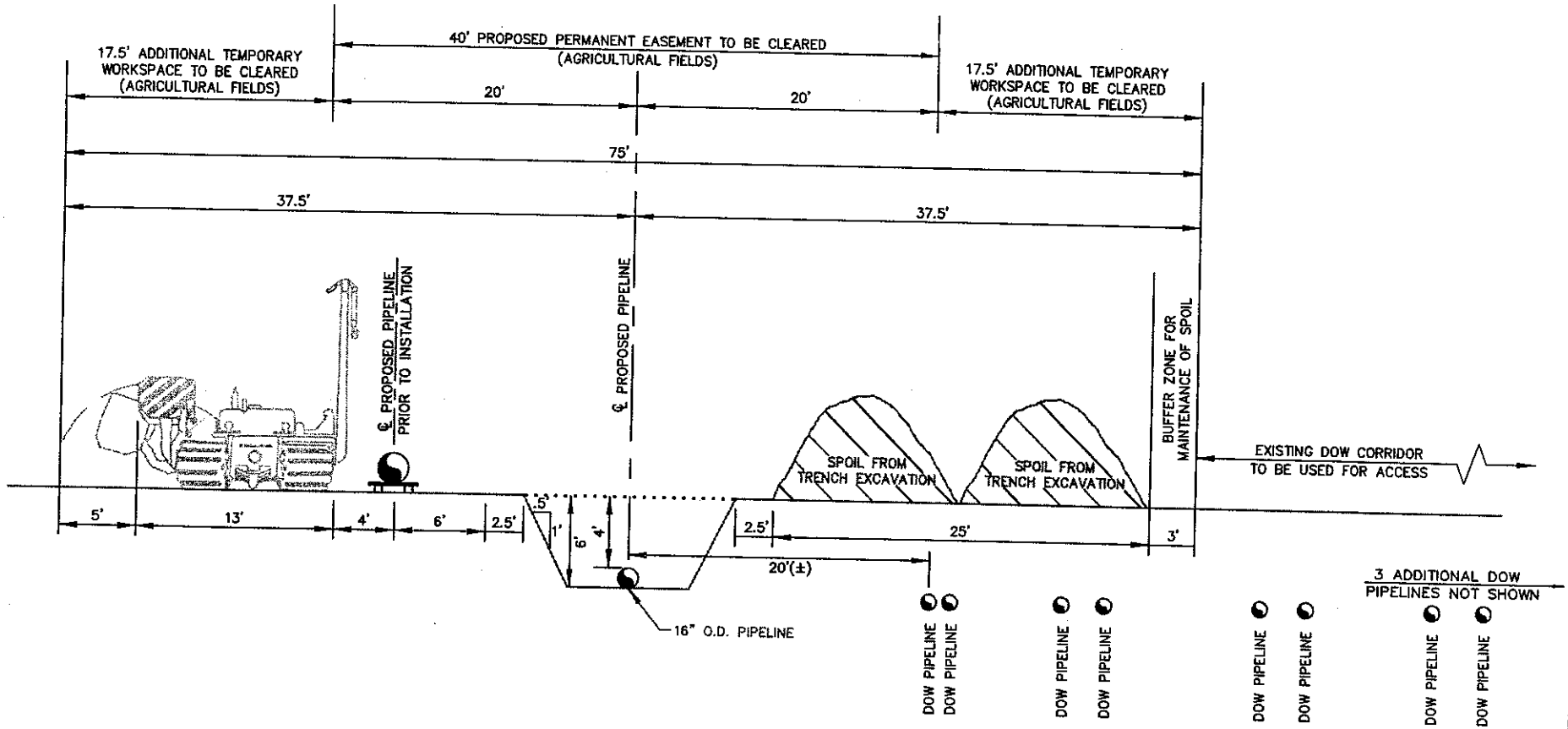
GENERAL	EG JR	BY
REVISION		
DATE	9/20/07	

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (HORIZONTAL DIRECTIONAL DRILL)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (13 OF 18)	



TYPICAL SECTION 14

STA. 516+00 TO STA. 532+45
STA. 565+61 TO STA. 590+80
SCALE: 1" = 10'

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GENERAL REVISION	BY
9/20/07	EG JR

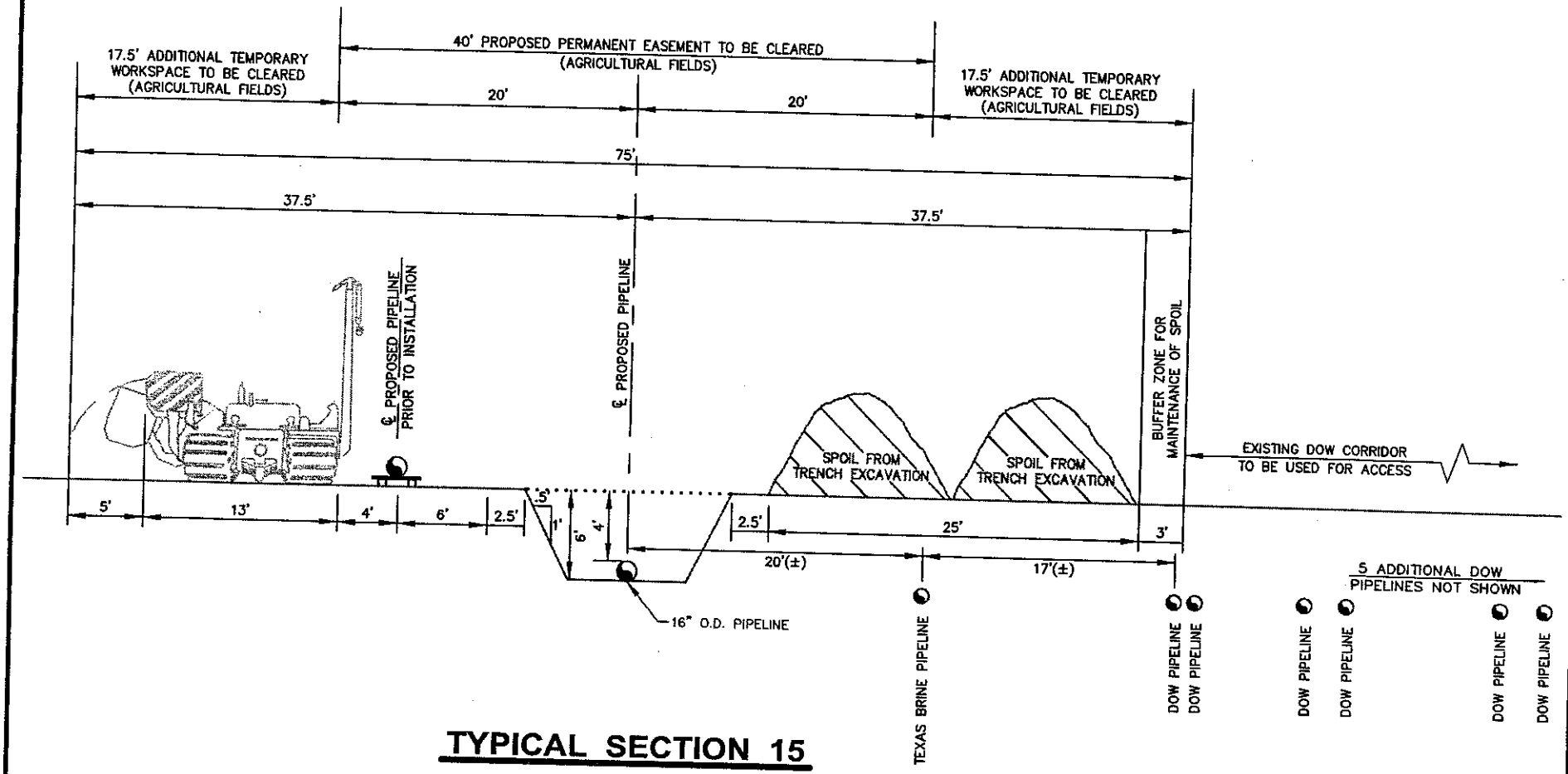
PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DATE	DRAWN	CHECKED	APPROVED
JULY 9, 2007	MEG JR	CAH	MEG JR

DWG. NO. A08-150-14 (14 OF 18)



TYPICAL SECTION 15

STA. 532+45 TO STA. 565+61
SCALE: 1" = 10'

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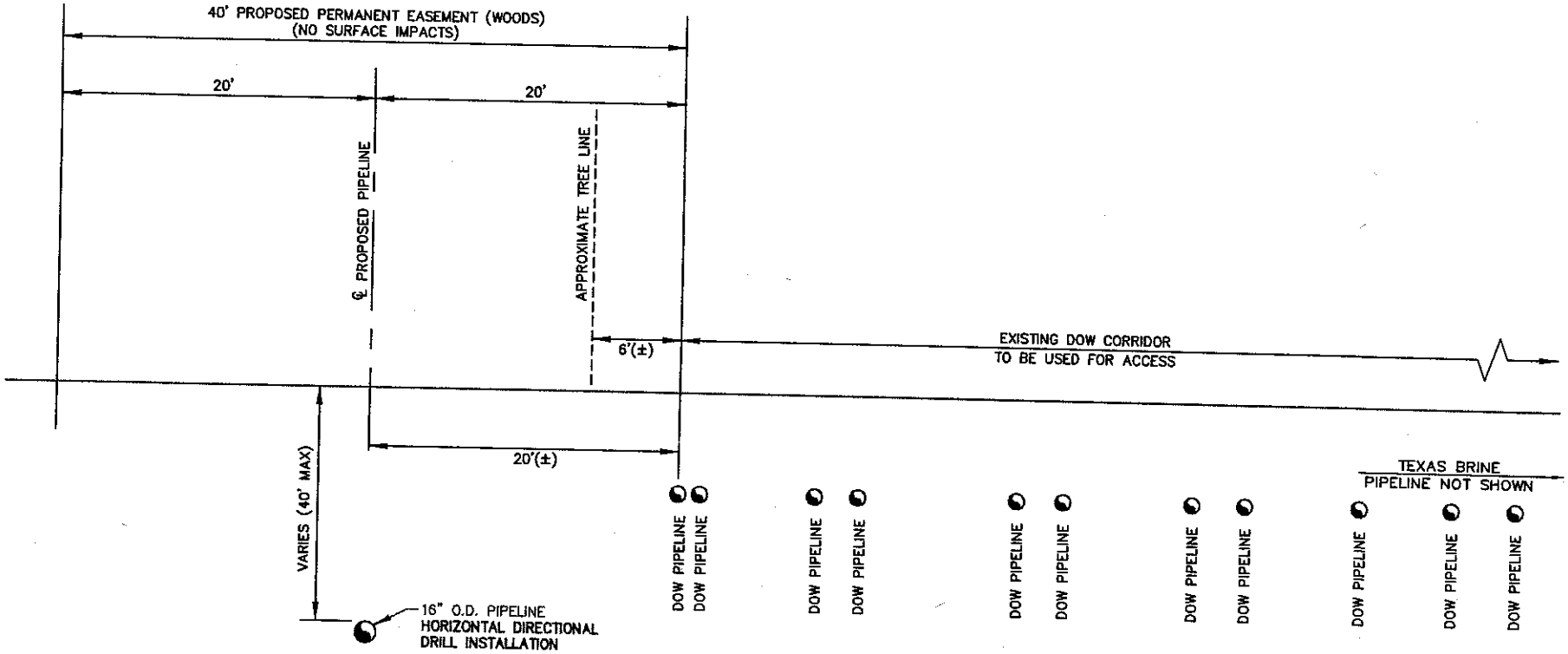
	EG JR	9/20/07

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (15 OF 18)	



TYPICAL SECTION 16

STA. 590+80 TO STA. 685+79
SCALE: 1" = 10'

NOTE:
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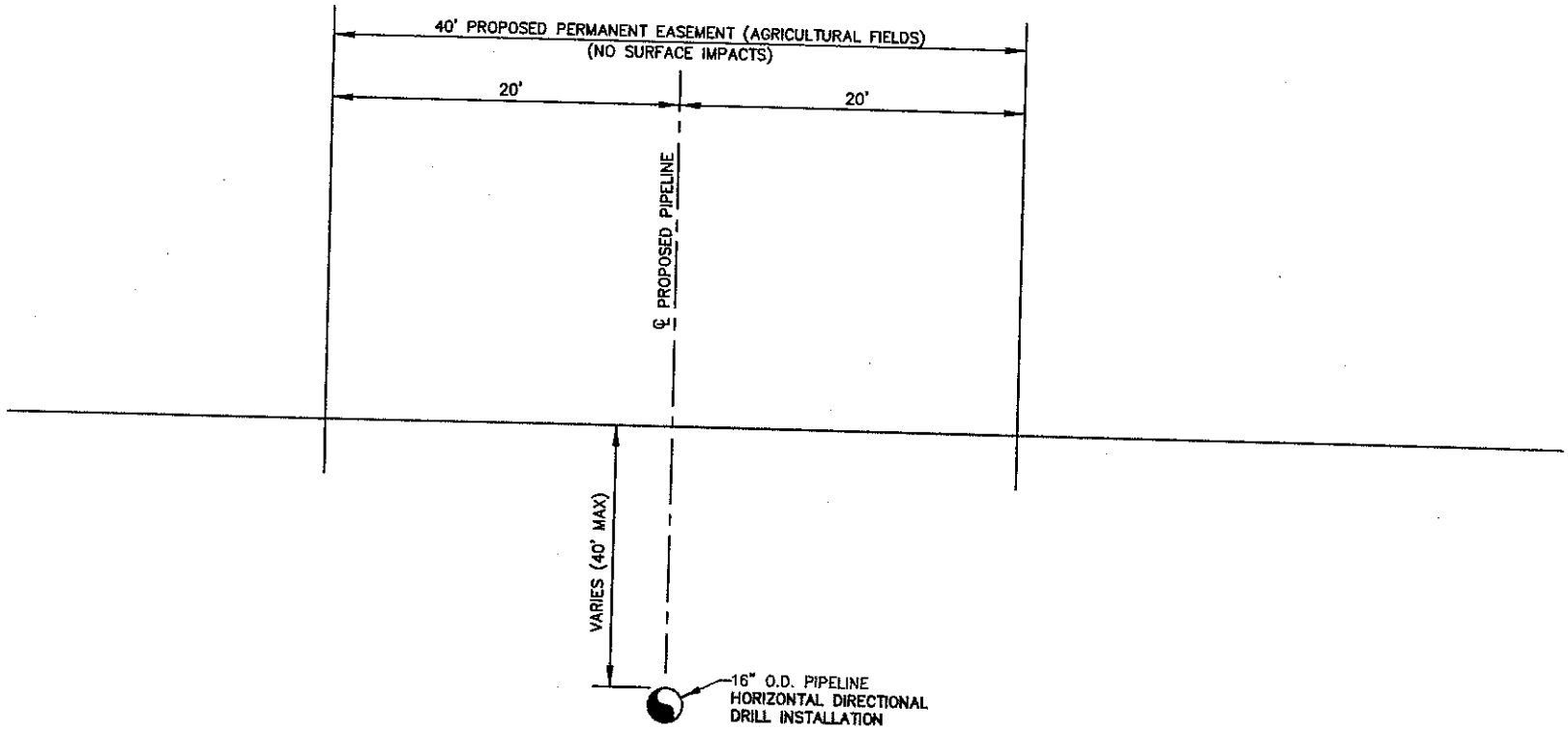
EG JR	BY	PETROLOGISTICS
GENERAL	REVISION	CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (HORIZONTAL DIRECTIONAL DRILL)
9/20/07	DATE	Hydro Consultants, inc. BATON ROUGE, LOUISIANA
DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (16 OF 18)	



TYPICAL SECTION 17

STA. 1000+00 TO STA. 1010+77
(TETCO LATERAL)
SCALE: 1" = 10'

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9/20/07	GENERAL	EG JR
DATE	REVISION	BY

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (HORIZONTAL DIRECTIONAL DRILL)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

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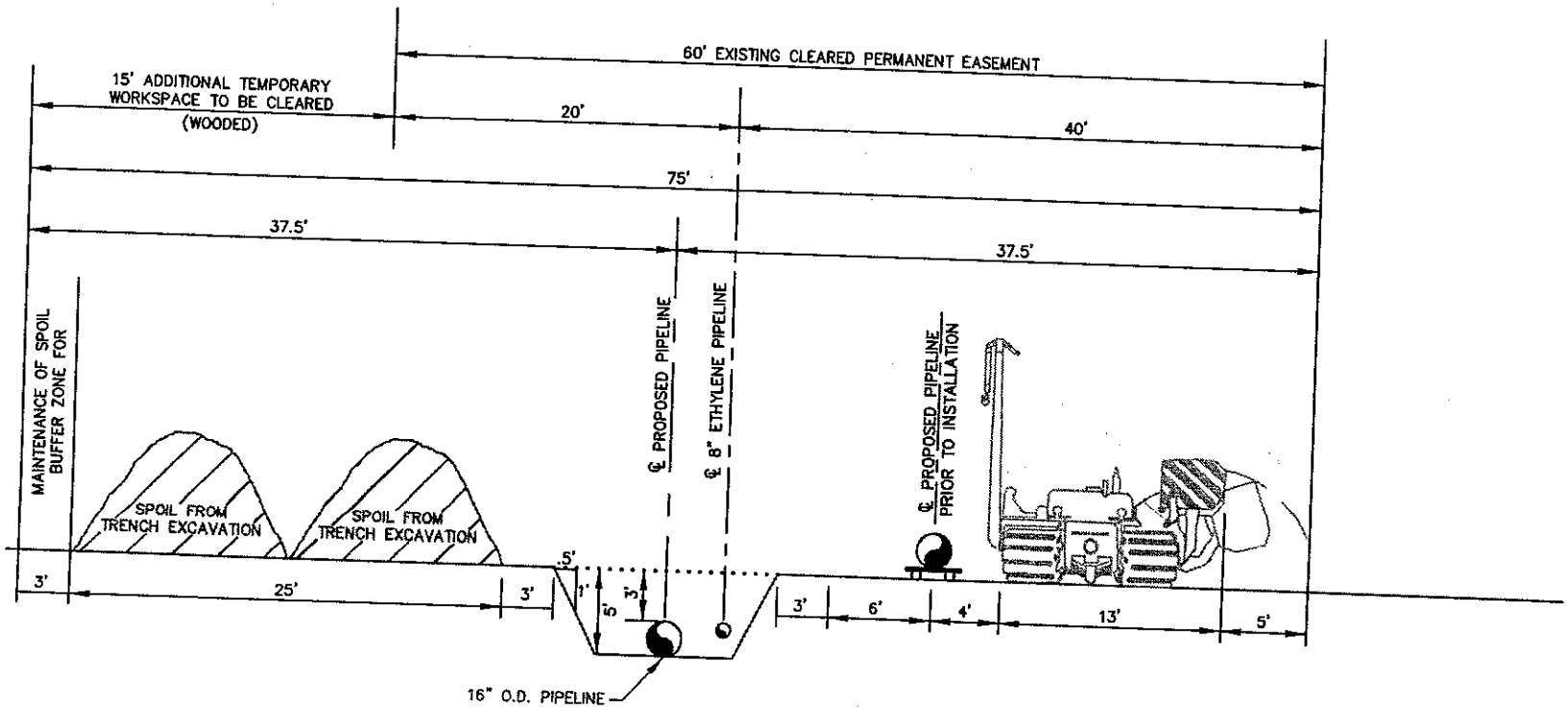

TYPICAL SECTION 18

STA. 1010+77 TO STA. 1031+85
(TETCO LATERAL)
SCALE: 1" = 10'

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	EG JR
REVISION	
DATE	
9/20/07	

PETROLOGISTICS

CROSS SECTION OF TYPICAL PIPELINE EASEMENTS AND TEMPORARY WORK SPACES (CONVENTIONAL TRENCH)

Hydro Consultants, inc.
BATON ROUGE, LOUISIANA

DRAWN MEG JR	CHECKED CAH	APPROVED MEG JR
DATE JULY 9, 2007	DWG. NO. A08-150-14 (18 OF 18)	