

CITY OF HOUSTON



**HOUSTON PUBLIC WORKS
HOUSTON WATER DIVISION**

EXECUTIVE SUMMARY

The 66.5803-acre Designated Property for which this Municipal Setting Designation (MSD) application has been submitted consists of one property. The 66.5803 Designated Property is owned by Targa Downstream LLC (applicant, represented by Mr. Bill Grantham) and located at 12510 American Petroleum Road in Harris County, Texas 77015. The Designated Property is located along the Houston Ship Channel/Buffalo Bayou Tidal and contains a portion of American Petroleum Road and is bordered on all sides by industrial facilities, and the Houston Ship Channel/Buffalo Bayou Tidal along the south. The property is being evaluated under the Texas Commission on Environmental Quality (TCEQ) Industrial Hazardous Waste Corrective Action (IHW-CA) Program and has been assigned the program ID No. 35997 and regulated entity number (RN) 100214212.

Targa is the current occupant/owner of the Property, which was developed for commercial/industrial use as a bulk storage terminal since at least 1944. The property was previously owned by Warren Petroleum Company from at least 1997-2005. The property was acquired by Targa in 2005. On July 15, 2020, a release of Low Sulfur Natural Gas (LSNG) was discovered from a bulk storage tank (Tank W-12). The release was reported to the National Response Center (NRC) and TCEQ Spill Reporting Hotline (NRC Incident No. 1281972 and TCEQ Spill No. 20202155).

In July 2020, immediately following the discovery of the release, the initial soil assessment identified benzene and total petroleum hydrocarbons (TPH) in surface soil at concentrations exceeding Texas Risk Reduction Program (TRRP) Tier 1 residential protective concentration levels (PCLs). A surficial excavation of the spill area was conducted in August 2020 and five confirmation soil samples were collected to delineate benzene and TPH in surface soil. In October 2020, six soil borings were advanced to delineate benzene and TPH impacts at the Site where benzene and TPH were identified in surface soil at concentrations exceeding TRRP Tier 1 PCLs.

In October and December 2020, Braun Intertec advanced five soil borings to further delineate soil impacts in the spill area; two of the soil borings were converted to temporary monitoring wells. Groundwater samples collected from temporary monitoring wells LSNG-22A and LSNG-26A indicated benzene and TPH at concentrations exceeding TRRP groundwater ingestion PCLs.

During subsequent investigations conducted in March, April, and September 2021, Braun Intertec installed 7 permanent monitoring wells at the Site to verify and delineate benzene identified in groundwater underlying the Site. Light non-aqueous phase liquid (LNAPL) has been identified in monitoring well MW-03 since April 2021 and quarterly groundwater monitoring is ongoing. To date, 26 soil borings, 2 temporary monitoring wells, and 7 permanent monitoring wells have been installed at the Site.

Braun Intertec submitted a Self-Implementation Notice (SIN) on June 24, 2022, detailing surface soil removal activities for benzene and TPH-affected areas identified proximal to the release point. From August 30 to September 9, 2022, surface soil in the release area was excavated for source removal and to limit surface soil chemicals of concern (COCs) from leaching to groundwater.

An Affected Property Assessment Report (APAR) for the Site was submitted to the TCEQ on October 18, 2022, detailing the property assessment activities that had been conducted and their results.

Concentrations of benzene, toluene, ethylbenzene, xylenes (BTEX), and TPH have been identified in groundwater underlying the property at concentrations exceeding the TRRP residential groundwater ingestion PCLs (^{GW}GW_{ing}). The volatile organic compound (VOC) groundwater plume has been fully delineated. There are no known active source areas on the property. Based on analytical results no COCs have been detected in groundwater at the Property at concentrations exceeding the non-ingestion PCLs.

Shallow groundwater at the Designated Property, as observed in the monitoring wells, ranges from 8 to 17 feet below ground surface (bgs). Groundwater flow direction varies between the east and northeast.

The City of Houston provides drinking water to the Designated Property and all surrounding properties within 0.5-mile. The City of Houston and City of Galena Park are the only municipalities with jurisdictional bounds within 0.5-mile of the Designated Property.

A Banks Water Well search identified 1,000 records for water supply wells and 124 records for retail public utility (RPU) wells within 5 miles of the Designated Property. Of the 124 records for RPU wells, 25 entities including the City of Galena Park are listed as having an operational, demand, emergency, test, or non-drinking water, active public water system (PWS) well within the 5 mile radius.

Appendix A

MUNICIPAL SETTING DESIGNATION APPLICATION

12510 AMERICAN PETROLEUM ROAD

HOUSTON, TEXAS 77015

LEGAL DESCRIPTIONS AND DEEDS

The Designated Property for which this Municipal Setting Designation (MSD) application has been prepared consists of 66.5803 (as surveyed) acres of land associated with the 138.775-acre property located at 12510 American Petroleum Road in Houston, Harris County, Texas 77015 (Site). The Designated Property is owned by Targa Downstream LLC (Targa). Targa is the MSD applicant, represented by Mr. Bill Grantham, Vice President of Operations (Applicant). The Site is located east of Federal Road and is near the intersection of Federal Road and American Petroleum Road. In addition, the MSD boundary includes a portion of American Petroleum Road that is owned by Targa and bounded to the north and south by the facility. The Site is bordered on all sides by commercial/industrial-use facilities, with the exception to the south and southeast where the Site is bordered by the Houston Ship Channel/Buffalo Bayou Tidal. Legal descriptions, as listed in the Harris County Appraisal District (HCAD) database is as follows:

- TRS 5B 5D 5E & 5J 5M-1 & 5N-1 5P ABST 31 HARRIS & WILSON

Copies of the property deeds and a sealed survey, including metes and bounds, are provided in **Appendix A**. The location, topography, and layout of the Site are depicted on **Figure 1** through **Figure 3** in **Appendix C**.

METES AND BOUNDS DESCRIPTION
66.5803 ACRES OUT OF
HARRIS AND WILSON SURVEY, A-31
HARRIS COUNTY, TEXAS

All that certain 66.5803 acres of land out of the Harris and Wilson Survey, A-31 and being out of that certain called 138.775 acre tract of land described in a deed dated 09-31-2009 from Targa Midstream Services Limited Partnership to Targa Downstream LP filed in the Official Public Records of Real Property of Harris County, Texas in Clerk's File No. 20090405947 and being more particularly described by metes and bounds as follows:

BEGINNING at brass cap marking the most westerly northwest corner of said 138.775 acre tract and being on the east right-of-way line of Federal Road (width varies), Thence N 72° 32' 29" E - 41.22' to a brass cap for corner, Thence N 03° 31' 07" W - 199.96', continuing with said east right-of-way line to a found brass cap for corner, Thence N 72° 21' 54" E - 663.36', with the south right-of-way line of the Northside Belt Railway (60' wide) to a found brass cap for the beginning of a curve to the right having a central angle of 70° 57' 42", a radius of 444.30', a chord bearing of S 82° 03' 46" E - 515.77'; Thence with said curve to the right and continuing with said south right-of-way line for an arc distance of 550.27' to a found brass cap for the end of curve, Thence S 46° 35' 48" E - 743.54', continuing with the southwest right-of-way line of said Northside Belt Railway to a point for the POINT OF BEGINNING of the herein described tract;

THENCE S 46° 35' 48" E - 2,374.56', with said southwest right-of-way line to a point for corner;

THENCE S 72° 30' 43" W - 383.02', with the most easterly south line of said 138.775 acre tract to a brass cap for corner;

THENCE S 16° 19' 41" E - 337.31' to a point for corner;

THENCE with the bulkheaded meanders of Hunting Bayou the following courses and distances:

- THENCE S 73° 37' 10" W - 23.84' to a point for corner;
- THENCE S 16° 38' 36" E - 196.90' to a point for corner;
- THENCE N 76° 45' 39" W - 484.75' to a point for corner;
- THENCE N 67° 55' 21" W - 28.63' to a point for corner;
- THENCE N 82° 42' 48" W - 371.35' to a point for corner;
- THENCE S 72° 53' 35" W - 120.94' to a point for corner;
- THENCE S 62° 25' 23" W - 259.11' to a point for corner;
- THENCE S 15° 13' 03" W - 276.14' to a point for corner;
- THENCE S 52° 57' 14" W - 56.90' to a point for corner;
- THENCE S 69° 49' 03" W - 249.81' to a point for corner;
- THENCE S 70° 25' 28" W - 41.50' to a point for corner;
- THENCE S 70° 11' 35" W - 92.06' to a point for corner;
- THENCE N 38° 37' 10" W - 15.27' to a point for corner;
- THENCE S 72° 10' 40" W - 174.25' to a point for corner;

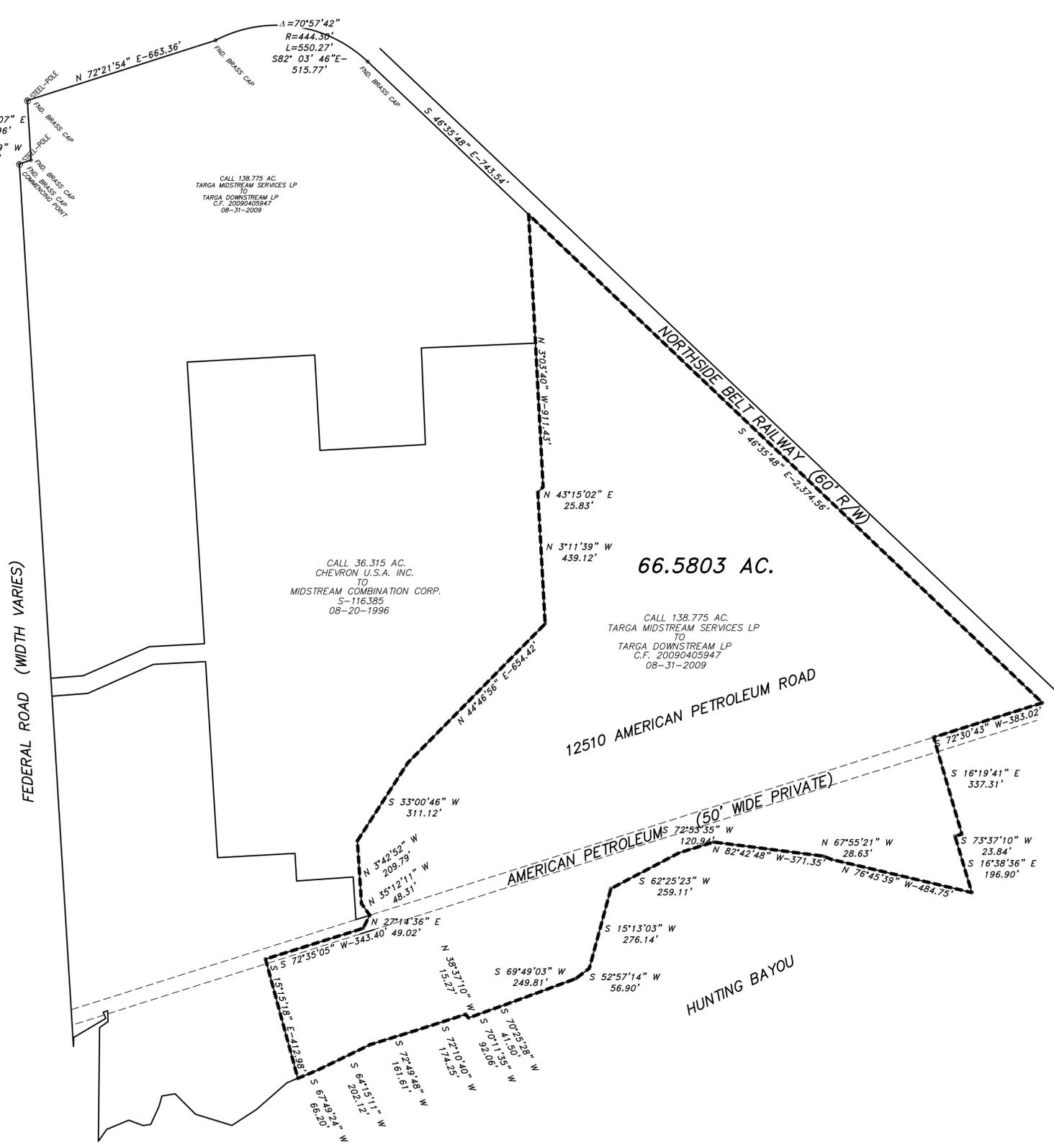
Page 2

- THENCE S 72° 49' 48" W - 161.61' to a point for corner;
- THENCE S 64° 15' 11" W - 202.12' to a point for corner;
- THENCE S 67° 49' 24" W - 66.20' to a point for corner;
- THENCE N 15° 15' 18" W - 412.98' to a set PK nail for corner;
- THENCE N 72° 35' 05" E - 343.40' to a set 60D nail for corner;
- THENCE N 27° 14' 36" E - 49.02' to a point for corner;

THENCE with the east line of a called 36.315 acre tract of land described in a deed dated 08-20-1996 from Chevron U.S.A. Inc. to Midstream Combination Corp. filed in the Official Public Records of Real Property of Harris County, Texas in Clerk's File No. S-116385 the following courses and distances:

- THENCE N 35° 12' 11" W - 48.31' to a point for corner;
- THENCE N 3° 42' 52" W - 209.79' to a point for corner;
- THENCE N 33° 00' 46" E - 311.12' to a point for corner;
- THENCE N 44° 46' 56" E - 654.42' to a point for corner;
- THENCE N 3° 11' 39" W - 439.12' to a point for corner;
- THENCE N 43° 15' 02" E - 25.83' to a point for corner;

THENCE N 3° 03' 40" W - 911.43', continuing with said east line to the POINT OF BEGINNING and containing 66.5803 of land, more or less.



02-27-2023 DATE **N.M. Mathis** 4517 R.P.L.S. NO.
N.M. MATHIS

GENERAL NOTES

1. BEARINGS SHOWN BASED ON TEXAS COORDINATE SYSTEM OF 1983.
2. A PORTION OF THE SUBJECT SITE IS LOCATED WITHIN THE 100 YEAR SPECIAL FLOOD HAZARD AREA ACCORDING TO THE MOST RECENT OFFICIAL INSURANCE RATE MAP, DATED MAY 02, 2019, MAP NUMBER 48201C0905N, ZONE(S) X, AE, X SHADED, PROMULGATED BY THE ADMINISTRATOR OF THE DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT OF THE UNITED STATES. ANY REFERENCE TO THE 100 YEAR FLOOD PLAIN OR FLOOD HAZARD ZONES, ARE AN ESTIMATE BASED ON DATA PROVIDED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE PROGRAM AND SHOULD NOT BE INTERPRETED AS A STUDY OR DETERMINATION OF THE FLOODING PROPENSITIES OF THIS PROPERTY.

PREJEAN & COMPANY

EXHIBIT

**66.5803 AC. OF LAND
HARRIS & WILSON SURVEY, A-31
HARRIS COUNTY, TEXAS**

DATE: 02-27-2023 SCALE: 1" = 200' JOB NO. 41-746

METES AND BOUNDS DESCRIPTION
66.5803 ACRES OUT OF
HARRIS AND WILSON SURVEY, A-31
HARRIS COUNTY, TEXAS

All that certain 66.5803 acres of land out of the Harris and Wilson Survey, A-31 and being out of that certain called 138.775 acre tract of land described in a deed dated 09-31-2009 from Targa Midstream Services Limited Partnership to Targa Downstream LP filed in the Official Public Records of Real Property of Harris County, Texas in Clerk's File No. 20090405947 and being more particularly described by metes and bounds as follows:

BEGINNING at brass cap marking the most westerly northwest corner of said 138.775 acre tract and being on the east right-of-way line of Federal Road (width varies); Thence N 72° 32' 29" E – 41.22' to a brass cap for corner; Thence N 03° 31' 07" W – 199.96', continuing with said east right-of-way line to a found brass cap for corner; Thence N 72° 21' 54" E – 663.36', with the south right-of-way line of the Northside Belt Railway (60' wide) to a found brass cap for the beginning of a curve to the right having a central angle of 70° 57' 42", a radius of 444.30', a chord bearing of S 82° 03' 46" E – 515.77'; Thence with said curve to the right and continuing with said south right-of-way line for an arc distance of 550.27' to a found brass cap for the end of curve; Thence S 46° 35' 48" E – 743.54', continuing with the southwest right-of-way line of said Northside Belt Railway to a point for the POINT OF BEGINNING of the herein described tract;

THENCE S 46° 35' 48" E - 2,374.56', with said southwest right-of-way line to a point for corner;

THENCE S 72° 30' 43" W - 383.02', with the most easterly south line of said 138.775 acre tract to a brass cap for corner;

THENCE S 16° 19' 41" E - 337.31' to a point for corner;

THENCE with the bulkheaded meanders of Hunting Bayou the following courses and distances:

THENCE S 73° 37' 10" W - 23.84' to a point for corner;

THENCE S 16° 38' 36" E - 196.90' to a point for corner;

THENCE N 76° 45' 39" W - 484.75' to a point for corner;

THENCE N 67° 55' 21" W - 28.63' to a point for corner;

THENCE N 82° 42' 48" W - 371.35' to a point for corner;

THENCE S 72° 53' 35" W - 120.94' to a point for corner;

THENCE S 62° 25' 23" W - 259.11' to a point for corner;

THENCE S 15° 13' 03" W - 276.14' to a point for corner;

THENCE S 52° 57' 14" W - 56.90' to a point for corner;

THENCE S 69° 49' 03" W - 249.81' to a point for corner;

THENCE S 70° 25' 28" W - 41.50' to a point for corner;

THENCE S 70° 11' 35" W - 92.06' to a point for corner;

THENCE N 38° 37' 10" W - 15.27' to a point for corner;

THENCE S 72° 10' 40" W - 174.25' to a point for corner;

THENCE S 72° 49' 48" W - 161.61' to a point for corner;

THENCE S 64° 15' 11" W - 202.12' to a point for corner;

THENCE S 67° 49' 24" W 66.20' to a point for corner;

THENCE N 15° 15' 18" W - 412.98' to a set PK nail for corner;

THENCE N 72° 35' 05" E - 343.40' to a set 60D nail for corner;

THENCE N 27° 14' 36" E - 49.02' to a point for corner;

THENCE with the east line of a called 36.315 acre tract of land described in a deed dated 08-20-1996 from Chevron U.S.A. Inc. to Midstream Combination Corp. filed in the Official Public Records of Real Property of Harris County, Texas in Clerk's File No. S-116385 the following courses and distances:

THENCE N 35° 12' 11" W - 48.31' to a point for corner;

THENCE N 3° 42' 52" W - 209.79' to a point for corner;

THENCE N 33° 00' 46" E - 311.12' to a point for corner;

THENCE N 44° 46' 56" E - 654.42' to a point for corner;

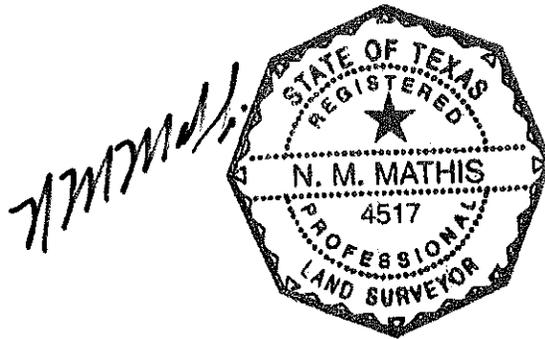
THENCE N 3° 11' 39" W - 439.12' to a point for corner;

THENCE N 43° 15' 02" E - 25.83' to a point for corner;

THENCE N 3° 03' 40" W - 911.43', continuing with said east line to the POINT OF BEGINNING and containing 66.5803 of land, more or less.

Compiled from survey by:

PREJEAN & COMPANY, INC.
Surveying/Mapping
Job #41-746
Date: 02-20-2023



S116385

510-01-1575

WARRENGAS
TERMINAL

DEED

09/13/96 100330018 5116385

\$135.00

Deed

STATE OF TEXAS

§
§
§

KNOW ALL PERSONS BY THESE PRESENTS:

COUNTY OF HARRIS

That CHEVRON U.S.A. INC., a Pennsylvania corporation, formerly known as Gulf Oil Corporation, successor in interest to Warren Petroleum Corporation, now known as Warren Petroleum Company (formerly a Division of Gulf Oil Corporation and presently a Division of Chevron U.S.A. Inc.) (hereinafter called "Grantor"), with offices at 1301 McKinney, 22nd Floor, Houston, Texas 77010, for and in consideration of the sum of Ten and No/100 Dollars (\$10.00) and other good and valuable consideration to Grantor in hand paid by MIDSTREAM COMBINATION CORP., a Delaware corporation (hereinafter called "Grantee"), with offices at 13430 Northwest Freeway, Suite 1200, Houston, Texas 77040, the receipt and sufficiency of which are acknowledged by Grantee's acceptance hereof, has **GRANTED, BARGAINED, SOLD, AND CONVEYED**, and by these presents does **GRANT, BARGAIN, SELL, AND CONVEY** unto Grantee that certain parcel or tract of land, together with any and all improvements situated thereon (except those improvements, if any, listed and described on Exhibit "B" attached hereto and made a part hereof for all purposes), situated in the above-named County and State, and described on Exhibit "A" attached hereto and made a part hereof for all purposes (hereinafter called the "Property").

*13
42
pe*

*135
K*

This conveyance is made subject to any titles and rights that may be asserted by the public, governmental or other entities with regard (a) to tidelands, or lands comprising the shores or beds of navigable or perennial rivers and streams, lakes, bays, gulfs or oceans, (b) to lands beyond the line of the harbor or bulkhead lines as established or changed by any governmental entity, (c) to filled-in lands or artificial islands, (d) to statutory water rights, including riparian rights, or (e) to the area extending from the line of mean low tide to the line of vegetation, or the rights of access to that area or easement along and across that area.

This conveyance is further made subject to (a) any and all zoning laws, regulations and ordinances of municipal or other governmental authorities, if any, relating to the Property, but only to the extent that they are still in effect, (b) any and all easements or other rights reserved (by Grantor unto Grantor and Grantor's successors and assigns) in, and listed and described on, Exhibit "B" hereto, and (c) any and all minerals or mineral interests, rights, or estates reserved by Grantor in Exhibit "B" hereto or reserved or granted heretofore by prior grantors.

This conveyance is further made subject to the terms and conditions set forth in that certain Galena Park Services Agreement dated effective August 31, 1996, by and between Grantor and Grantee (the "Galena Park Agreement"), and Grantee hereby agrees that Grantee's obligation

E:\DMG\DISK1\CHEVWARR.DOC

Hold for Partners Title Company

GRD

under the Galena Park Agreement to provide Dock Services, as defined therein and as described in Exhibit 2 to the Galena Park Agreement (the "Burden"), shall run with the Property and burden the Property for the benefit of the real property described in Exhibit "C" hereto (the "Benefitted Land"). Notwithstanding anything in the preceding sentence to the contrary, the Burden may be waived or terminated by written instrument in recordable form executed by the then owner or owners of 100% of the total area of the Benefitted Land. If the Burden shall be determined to be invalid by applicable law, it shall be deemed to be deleted from this Deed and shall automatically be rewritten to provide that in the event the Galena Park Agreement with respect to the Dock Services expires or terminates without Chevron's agreement or consent, then Grantee shall (a) transfer to Grantor any and all permits affecting Dock #3 located on the Property to Grantor including, without limitation, any permits granting use and occupancy rights to such dock and the Houston Ship Channel, (b) obtain any and all consents of any persons or governmental entities required in connection with any such transfer or transfers from Grantee to Grantor, and (c) grant to Grantor a perpetual non-exclusive easement for purposes of pedestrian and vehicular access to and ingress and egress upon, over, and across the Property immediately adjacent and appurtenant to Dock #3 and for all purposes incident to Grantors use, maintenance, operation, repair, and occupancy of Dock #3. It is the intention of Grantor and Grantee in imposing and accepting the Burden that Grantor shall continue after the date hereof to have access to the docks appurtenant to the Property at all times, either through the Dock Services provided by Grantee pursuant to the Galena Park Agreement or through the transfer of the right of the use and occupancy of Dock #3 to Grantor as provided herein.

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances thereto in anywise belonging, subject only to the matters stated herein, unto Grantee and Grantee's successors and assigns, forever; and Grantor warrants title to the Property to the extent, but only to the extent, of the express warranties set forth in that certain Combination Agreement and Plan of Merger, dated May 22, 1996, by and among NGC Corporation, a Delaware corporation ("NGC"), Grantor and Grantee (the "Agreement"), which warranties, if any, are only made to NGC as specified in the Agreement and shall survive the delivery of this Deed but only for the period of time and as specified in the Agreement. Except as specified in the Agreement, the Property is conveyed to Grantee, **AS IS, WHERE IS and WITH ALL FAULTS,** and **"GRANTOR" MAKES NO REPRESENTATIONS OR WARRANTIES WHATSOEVER, EXPRESS OR IMPLIED (INCLUDING THOSE IMPLIED BY THE TERMS "GRANT," "BARGAIN," "SELL," "CONVEY," OR "DEED," OR THOSE IMPLIED BY ANY OTHER TERM HEREIN), OR ARISING BY OPERATION OF LAW WITH RESPECT TO THE TITLE, MAINTENANCE, REPAIR, CONDITION, DESIGN, OR MARKETABILITY OF THE "PROPERTY" INCLUDING, WITHOUT LIMITATION, (A) ANY IMPLIED OR EXPRESS WARRANTY OF MERCHANTABILITY, (B) ANY IMPLIED OR EXPRESS WARRANTY OF HABITABILITY, (C) ANY IMPLIED OR EXPRESS WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, (D) ANY IMPLIED OR EXPRESS WARRANTY OF CONFORMITY TO ANY MODELS OR SPECIFICATIONS, (E) ANY RIGHTS OF "GRANTEE" UNDER APPROPRIATE STATUTES TO CLAIM DIMINUTION OF**

CONSIDERATION, (F) ANY WARRANTIES IN SECTION 5.023 OF THE TEXAS PROPERTY CODE, AND (G) ANY CLAIM BY "GRANTEE" FOR DAMAGES BECAUSE OF DEFECTS, WHETHER KNOWN OR UNKNOWN, WITH RESPECT TO SUCH "PROPERTY" IT BEING THE EXPRESS INTENTION OF "GRANTOR" AND "GRANTEE" THAT THE "PROPERTY" BE CONVEYED TO, AND ACCEPTED BY, "GRANTEE" IN THE "PROPERTY'S" PRESENT CONDITION AND STATE OF REPAIR UNLESS OTHERWISE SPECIFIED IN THE "AGREEMENT."

Taxes for the current calendar year have been prorated as of the date hereof. Grantee does hereby assume and agree to pay any and all ad valorem taxes and special assessments pertaining to the Property for the calendar year 1996 and subsequent years, there having been a proper proration of ad valorem taxes for the current year between Grantor and Grantee, and Grantee further assumes and agrees to pay any and all ad valorem taxes relating to a subsequent change in the usage or ownership of the Property, whether by reason of this conveyance or hereafter.

EXECUTED on August 20, 1996, by Grantor, and on August 20, 1996, by Grantee, but to be effective August 31, 1996.

GRANTOR:
CHEVRON U.S.A. INC.

W

By: *D.R. Stevenson*
Name: D.R. Stevenson
Title: Assistant Secretary

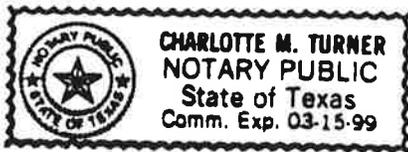
GRANTEE:
MIDSTREAM COMBINATION CORP.

By: *P.R. Breber*
Name: P.R. Breber
Title: Assistant Secretary

THE STATE OF TEXAS §

COUNTY OF HARRIS §

This instrument was acknowledged before me on August 20, 1996, by D.R. Stevenson, Assistant Secretary of CHEVRON U.S.A. INC., a Pennsylvania corporation, on behalf of said corporation.



Charlotte M. Turner
Notary Public

Notary's printed Name: _____
My commission expires: _____

EXHIBIT "A" TO DEED

510-01-1579

THE STATE OF TEXAS)
 COUNTY OF HARRIS)

TR 1

FIELD NOTES of a 138.775 acre tract of land situated in the Harris and Wilson Survey, Abstract No. 31, Harris County, Texas, and being out of and a part of the following tracts of land: PT

1. A called 150.556 acre tract of land called Tract 4 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas.

2. A called 200.472 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas.

3. A called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas.

This 138.775 acre tract of land is more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a brass cap found for the most Westerly Northwest corner of this tract of land, the most Westerly Northwest corner of said 150.556 acres, and in the East line of Federal Road, right of way width varies, having a State Plane Coordinate System Value of Y = 715,847.97 and X = 3,201,736.78.

THENCE North 72 deg 32 min 59 sec East with the North line of this tract, the North line of said 150.556 acres, and a South line of said Federal Road a distance of 41.22 feet to a brass cap found in concrete for an interior corner of this tract of land, an interior corner of said 150.556 acres, and a corner of said Federal Road.

L2
 THENCE North 03 deg 30 min 37 sec West with the West line of this tract of land, the West line of said 150.556 acres, and the East line of said Federal Road a distance of 199.96 feet to a brass cap found in concrete for the Northwest corner of this tract of land, the Northwest corner of said 150.556 acres, a corner of said Federal Road, and in the Southwest line of a tract of land conveyed to Northside Belt Railway Company by Federal Investment Company by deed dated January 8, 1926, and recorded in Volume 639 at Page 457 of the Deed Records of Harris County, Texas.

Plot
 THENCE North 72 deg 22 min 24 sec East, with the North line of this tract of land, the North line of said 150.556 acres, and the South line of said Northside Beltway tract a distance of 663.36 feet to a brass cap found in concrete for a corner of this tract, in the North line of said 150.556 acres, and the South line of said Northside Beltway tract. Said corner being the point of curvature of a non-tangent curve, concave South.

Curve
table
 THENCE in a Easterly direction along said non-tangent curve, concave South, having a radius of 444.30 feet, a central angle of 70 deg 57 min 39 sec, an arc length of 550.27 feet, and a chord bearing and distance of South 82 deg 03 min 17 sec East 515.77 feet to a brass cap found in concrete for a corner of this tract, a corner of said 150.556 acres, in the West line of said Northside Beltway tract.

Plot
 THENCE South 46 deg 35 min 18 sec East with the Northeast line of this tract, the Northeast line of said 150.556 acres, and the Southwest line of said Northside Beltway tract a distance of 3118.10 feet to a 1 inch iron rod found for the Southeast corner of this tract, the Southeast corner of said 150.556 acres, the Southwest corner of said Northside Beltway tract, and the Northeast corner of an Agreement deed from Warren Petroleum Corporation to Amerada Hess Corporation dated March 29, 1978 and recorded in County Clerk's File Number F 556232 of the Deed Records of Harris County, Texas.

L3
 THENCE South 72 deg 31 min 13 sec West with the South line of this tract, the South line of said 150.556 acres, and the North line of said Hess tract a distance of 383.02 feet to a brass cap found in concrete for an interior corner of this tract, the Northwest corner of said Hess tract, and the Northeast corner of said 3.948 acres.

L11c
&
L4

THENCE South 16 deg 19 min 11 sec East with the most Southerly East line of this tract, the East line of said 3.948 acres, the East line of said 200.472 acres, the West line of said Hess tract, and the West line of a 7.0 acre tract of land conveyed to Hess Oil & Chemical Corporation by William March Rice University by deed dated May 25, 1967, and recorded in Volume 6820 at Page 367 of the Deed Records of Harris County, Texas at 49.96 feet a brass cap found in concrete for the Southeast corner of said 3.948 acres, at 336.48 feet a "X" marked in concrete found in line in all a total distance of 337.31 feet to the North bank of Hunting Bayou for the most Southerly Southeast corner of this tract, a corner of said 200.472 acres, and the Southwest corner of said 7.0 acres.

THENCE with the meanders and bulkheads of Hunting Bayou the following courses:

L5	South	73	deg	37	min	40	sec	West	23.84	feet
L6	South	16	deg	38	min	06	sec	East	196.90	feet
P12+	North	76	deg	45	min	09	sec	West	484.75	feet
L7	North	67	deg	54	min	51	sec	West	28.63	feet
L8	North	82	deg	42	min	18	sec	West	371.35	feet
L9	South	72	deg	54	min	05	sec	West	120.94	feet
L10	South	62	deg	25	min	53	sec	West	259.11	feet
L11	South	15	deg	13	min	33	sec	West	276.14	feet
L12	South	52	deg	57	min	44	sec	West	56.90	feet
L13	South	69	deg	49	min	33	sec	West	249.81	feet
L14	South	70	deg	25	min	58	sec	West	41.50	feet
L15	South	70	deg	12	min	05	sec	West	92.06	feet
L16	North	38	deg	36	min	40	sec	West	15.27	feet
L17	South	72	deg	11	min	10	sec	West	174.25	feet
L18	South	72	deg	50	min	18	sec	West	161.61	feet
L19	South	64	deg	15	min	41	sec	West	202.12	feet
L20	South	67	deg	49	min	54	sec	West	105.16	feet
21	South	49	deg	03	min	10	sec	West	136.69	feet
22	South	57	deg	07	min	54	sec	West	97.55	feet
23	North	72	deg	58	min	40	sec	West	127.54	feet
24	North	45	deg	14	min	54	sec	West	97.04	feet
25	South	80	deg	42	min	26	sec	West	44.95	feet
26	South	15	deg	43	min	52	sec	West	36.28	feet
27	South	24	deg	50	min	59	sec	West	66.06	feet
28	South	80	deg	58	min	11	sec	West	25.83	feet
29	North	69	deg	41	min	59	sec	West	51.57	feet
30	South	67	deg	24	min	13	sec	West	80.21	feet
31	South	35	deg	07	min	03	sec	West	48.49	feet
32	North	00	deg	37	min	10	sec	East	380.17	feet
33	North	55	deg	37	min	09	sec	East	34.56	feet
34	North	02	deg	31	min	33	sec	West	36.85	feet
35	South	70	deg	42	min	13	sec	West	15.63	feet
36	South	23	deg	08	min	07	sec	East	22.20	feet
37	South	59	deg	21	min	38	sec	West	125.45	feet

L38 South 01 deg 17 min 29 sec West 30.18 feet to a 1/2 inch iron rod set for the Southwest corner of this tract, in the West line of said 200.472 acres, and in the East line of said Federal Road.

L39 THENCE North 03 deg 31 min 01 sec West with the West line of this tract, the West line of said 200.472 acres, the West line of said 150.556 acres, and the East line of said Federal Road at 123.09 feet found a brass cap for the Southwest corner of said 150.556 acres, and the Northwest corner of said 3.948 acres in line in all a total distance of 1172.67 feet to a 1/2 inch iron rod set for a corner of this tract and the Southwest corner of a 36.315 acre tract of land surveyed this day.

L56 THENCE North 85 deg 32 min 00 sec East with a North line of this tract and a South line of said 36.315 acres a distance of 120.60 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.

L57 THENCE North 66 deg 17 min 58 sec East with a North line of this tract and a South line of said 36.315 acres a distance of 240.69 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.

L58 THENCE North 86 deg 53 min 52 sec East with a North line of this tract and a South line of said 36.315 acres a distance of 175.32 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.

Plat THENCE South 03 deg 31 min 01 sec East with a East line of this tract and a West line of said 36.315 acres a distance of 656.69 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.

L55 THENCE North 86 deg 51 min 13 sec East with a North line of this tract and a South line of said 36.315 acres a distance of 260.26 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.

L54 THENCE South 03 deg 26 min 58 sec East with a East line of this tract and a West line of said 36.315 acres a distance of 92.25 feet to a "X" marked in concrete for a corner of this tract a corner of said 36.315 acres.

L53 THENCE North 86 deg 01 min 56 sec East with a North line of this tract and a South line of said 36.315 acres a distance of 190.22 feet to a PK nail set for a corner of this tract and a corner of said 36.315 acres.

- L52 THENCE South 03 deg 43 min 45 sec East with a East line of this tract and a West line of said 36.315 acres a distance of 142.76 feet to a 1/2 inch iron rod set for a Southeast corner of this tract and a Southwest corner of said 36.315 acres in the North line of said 3.948 acres.
- L51 THENCE North 72 deg 33 min 49 sec East with a North line of this tract, the North line of said 3.948 acres, and a South line of said 36.315 acres a distance of 48.67 feet to a 5/8 inch iron rod found for a corner of this tract and a Southeast corner of said 36.315 acres.
- L50 THENCE North 35 deg 11 min 41 sec West with a West line of this tract and a East line of said 36.315 acres a distance of 48.31 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.
- L49 THENCE North 03 deg 42 min 22 sec West with a West line of this tract and a East line of said 36.315 acres a distance of 209.79 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.
- L48 THENCE North 33 deg 01 min 16 sec East with a West line of this tract and a East line of said 36.315 acres a distance of 311.32 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.
- Plot THENCE North 44 deg 47 min 26 sec East with a West line of this tract and a East line of said 36.315 acres a distance of 654.42 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.
- Plot THENCE North 03 deg 11 min 09 sec West with a West line of this tract and a East line of said 36.315 acres a distance of 439.12 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.
- L47 THENCE North 43 deg 15 min 32 sec East with a Northwest line of this tract and a Southeast line of said 36.315 acres a distance of 25.83 feet to a 1/2 inch iron rod set for a corner of this tract of land.
- Plot THENCE North 03 deg 03 min 10 sec West with a West line of this tract and a East line of said 36.315 acres a distance of 480.92 feet to a 1/2 inch iron rod set for a corner of this tract and a Northeast corner of said 36.315 acres.
- L46 THENCE South 87 deg 38 min 18 sec West with a South line of this tract and a North line of said 36.315 acres a distance of 383.54 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.

L45 THENCE South 02 deg 24 min 44 sec East with a East line of this tract and a West line of said 36.315 acres a distance of 323.21 feet to a "X" marked in concrete for a corner of this tract and a corner of said 36.315 acres.

L44 THENCE South 86 deg 52 min 47 sec West with a South line of this tract of land and a North line of said 36.315 acres a distance of 354.64 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.

L43 THENCE North 03 deg 08 min 41 sec West with a West line of this tract and a East line of said 36.315 acres a distance of 319.23 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.

P12f THENCE South 86 deg 49 min 41 sec West with a South line of this tract and a North line of said 36.315 acres a distance of 429.11 feet to a 1/2 inch iron rod set for a Southeast corner of this tract and a Northwest corner of said 36.315 acres.

P12f THENCE South 03 deg 31 min 04 sec East with a East line of this tract and a West line a distance of 942.67 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.

L42 THENCE South 86 deg 53 min 52 sec West with a South line of this tract and a North line of said 36.315 acres a distance of 185.79 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 36.315 acres.

L41 THENCE South 66 deg 17 min 59 sec West with a South line of this tract and a North line of said 36.315 acres a distance of 241.43 feet to a 1/2 inch iron rod set for a corner of this tract of land.

L40 THENCE South 85 deg 31 min 57 sec West with a South line of this tract and a North line of said 36.315 acres a distance of 109.43 feet to a 1/2 inch iron rod set for a corner of this tract, a corner of said 36.315 acres, in the West line of said 150.556 acres, and in the East line of said Federal Road.

P12f THENCE North 03 deg 31 min 01 sec West with the West line of this tract, the West line of said 150.556 acres, and the East line of said Federal Road a distance of 1722.16 feet to the POINT OF BEGINNING, containing within said boundaries 138.775 acres, more or less.

SURVEYED: April and May 1996

510-01-1585

PAGE NO. 7 -

138.775 ACRES

SURVEYORS CERTIFICATE

I, Robert L. Hall, Jr., Reg. Professional Land Surveyor No. 1610 do hereby certify that the foregoing field notes were prepared from a survey made on the ground on the date shown and that all lines, boundaries and landmarks are accurately described therein.

WITNESS my hand and seal at Baytown, Texas, this the 13th., day of August, A.D., 1996.



REG. PROFESSIONAL LAND SURVEYOR
NO. 1610
96-1041H.FDN



THE STATE OF TEXAS)
COUNTY OF HARRIS)

TR 3

FIELD NOTES of a 95.666 acre tract of land situated in the Harris and Wilson Survey, Abstract No. 31, Harris County, Texas, and being out of and a part of a called 200.472 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 95.666 acre tract of land is more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

COMMENCING at a brass cap found for the most Westerly Northwest corner of a 150.556 acre tract of land called Tract 4 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of Federal Road, right of way width varies, having a State Plane Coordinate System Value of Y = 715,847.97 and X = 3,201,736.78.

THENCE South 03 deg 31 min 01 sec East with the West line of said 150.556 acres, and the East line of said Federal Road a distance of 3881.67 feet to a point in the North Bank of Hunting Bayou for the Northwest corner of this tract of land. Said corner being the PLACE OF BEGINNING, having a State Plane Coordinate System Value of Y = 711,974.05 and X = 3,201,974.87.

THENCE with the North and East line of this tract and the meanders of Hunting Bayou the following courses:

North	06 deg	49 min	14 sec	East	146.50 feet
North	10 deg	09 min	20 sec	East	116.48 feet
North	34 deg	00 min	59 sec	East	94.01 feet
North	55 deg	39 min	42 sec	East	97.17 feet
North	64 deg	04 min	00 sec	East	118.76 feet
North	64 deg	05 min	45 sec	East	124.46 feet
South	79 deg	32 min	43 sec	East	193.72 feet
South	62 deg	11 min	19 sec	East	120.81 feet
South	80 deg	40 min	56 sec	East	167.19 feet
North	44 deg	06 min	01 sec	East	87.09 feet
North	73 deg	34 min	00 sec	East	161.07 feet
South	68 deg	27 min	42 sec	East	368.31 feet
South	59 deg	12 min	40 sec	East	150.69 feet
South	47 deg	56 min	14 sec	East	233.48 feet
South	47 deg	55 min	05 sec	East	170.49 feet
South	24 deg	46 min	20 sec	East	108.94 feet
South	18 deg	58 min	14 sec	West	306.21 feet

South 09 deg 33 min 36 sec West 294.97 feet
South 30 deg 59 min 53 sec West 174.56 feet
South 53 deg 18 min 47 sec West 91.17 feet
South 31 deg 36 min 03 sec West 128.65 feet
South 10 deg 57 min 32 sec West 129.10 feet
South 20 deg 30 min 03 sec West 258.34 feet
South 35 deg 44 min 06 sec West 105.33 feet
South 30 deg 56 min 47 sec West 298.70 feet
South 24 deg 27 min 22 sec West 205.41 feet
South 14 deg 16 min 15 sec West 267.96 feet
South 19 deg 36 min 10 sec West 524.48 feet
South 26 deg 43 min 40 sec West 373.00 feet
South 13 deg 43 min 19 sec West 272.40 feet
South 25 deg 31 min 40 sec West 94.51 feet
South 38 deg 31 min 27 sec West 139.81 feet
South 43 deg 56 min 16 sec West 163.19 feet
South 56 deg 04 min 26 sec West at 57.79 feet found a fence

corner post on line in all a total distance of 58.50 feet to a 1/2 inch iron rod set for the Southwest corner of this tract of land in the East line of said Federal Road.

THENCE North 02 deg 29 min 06 sec West with the West line of this tract, the West line of said 200.472 acres, and the East line of said Federal Road a distance of 1077.07 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 200.472 acres.

THENCE North 01 deg 49 min 01 sec West with a West line of this tract, and a West line of said 200.472 acres, and the East line of said Federal Road a distance of 229.85 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 200.472 acres.

THENCE North 41 deg 15 min 44 sec East with the West line of this tract, a the West line of said 200.472 acres, and the East line of said Federal Road a distance of 270.62 feet to a 1/2 inch iron rod set for a corner of this tract, a corner of said 200.472 acres, and a corner of said Federal Road.

THENCE North 03 deg 29 min 26 sec West with the West line of this tract, and the West line of said 200.472 acres, and the East line of said Federal Road a distance of 288.41 feet to a 1/2 inch iron rod set for a corner of this tract, a corner of said 200.472 acres, and a corner of said Federal Road.

THENCE North 48 deg 28 min 31 sec West with the West line of this tract, the West line of said 200.472 acres, and the East line of said Federal Road a distance of 290.45 feet to a 1/2 inch iron rod set for a corner of this tract, a corner of said 200.472 acres, and a corner of said Federal Road.

THENCE South 87 deg 14 min 19 sec West with a South line of this tract, a South line of said 200.472 acres, and a North line of said Federal Road a distance of 59.03 feet to a 1/2 inch iron rod set for a corner of this tract, a corner of said 200.472 acres, and a corner of said Federal Road.

THENCE North 03 deg 28 min 01 sec West with the West line of this tract, the West line of said 200.472 acres, and the East line of said Federal Road a distance of 418.03 feet to a 1/2 inch iron rod set for a corner of this tract, a corner of said 200.472 acres, and a corner of said Federal Road.

THENCE South 87 deg 30 min 29 sec West with a South line of this tract, a South line of said 200.472 acres, and a North line of said Federal Road a distance of 59.21 feet to a corner of this tract, a corner of said 200.472 acres, and a corner of said Federal Road.

THENCE North 03 deg 31 min 01 sec West with the West line of this tract, the West line of said 200.472 acres, and the East line of said Federal Road a distance of 1181.87 feet to the POINT OF BEGINNING, containing within said boundaries 95.666 acres, more or less.

SURVEYED: April and May 1996

SURVEYORS CERTIFICATE

I, Robert L. Hall, Jr., Reg. Professional Land Surveyor No. 1610 do hereby certify that the foregoing field notes were prepared from a survey made on the ground on the date shown and that all lines, boundaries and landmarks are accurately described therein.

WITNESS my hand and seal at Baytown, Texas, this the 13th, day of August, A.D., 1996.



REG. PROFESSIONAL LAND SURVEYOR
NO. 1610
96-1041H.FDN



EXHIBIT "B" TO DEED

I. The following improvements situated on the Property (collectively the "Reserved Improvements") are not being granted, bargained, sold or conveyed to Grantee, and title thereto shall remain in Grantor:

See Exhibit "B-1" attached hereto and incorporated herein.

The Reserved Improvements which are pipelines shall collectively be referred to as the "Existing Pipelines."

II. Grantor hereby excepts and reserves for and unto Grantor, and its successors and assigns, the following rights-of-way, easements and other rights (collectively the "Easements") subject to the conditions as set forth below:

1. A perpetual, non-exclusive easement for motor vehicle and pedestrian ingress and egress and vehicle loading, unloading and parking over, upon and across the roads, driveways, and access ways, exits and entrances located on the Property, as said roads, driveways, and access ways exist or hereafter exist (the "Roadway Easement");
2. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-2" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one import facility and any facilities appurtenant thereto, including, but not limited to, all equipment used in connection with importing any products, exchangers, flare relief knock out drums, pumps, pipelines, valves, meters and loading arms; one truck unloading facility and any facilities appurtenant thereto, including, but not limited to, pipes, pipelines, valves, meters and loading arms; one heat medium circulation system, and any facilities appurtenant thereto; one Smalling heater, and any facilities appurtenant thereto; one export facility, and any facilities appurtenant thereto, including, but not limited to, all equipment used in connection with exporting any products, pipelines, valves, meters, loading arms, compressors, pumps, condensers, chillers, coolers, exchangers, vessels and motors; eighteen (18) pipelines, and any facilities appurtenant thereto, including, but not

- limited to, piperacks, valve and meter equipment and related buildings, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines; and starters and electrical lines, and any facilities appurtenant thereto, including, but not limited to, pumps and a heat sink;
3. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-3" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, including, but not limited to, valve and meter equipment and related buildings, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
 4. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-4" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, including, but not limited to, valve and meter equipment and related buildings, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
 5. A perpetual, non-exclusive easement across, over, under and upon those certain tracts of land in Harris County, Texas, more particularly described in Exhibit "B-5" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
 6. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-6" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
 7. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris

- County, Texas, more particularly described in Exhibit "B-7" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
8. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-8" operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
 9. A perpetual, non-exclusive easement across, over, under and upon those certain tracts of land in Harris County, Texas, more particularly described in Exhibit "B-9" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove a flare and flare pipeline, and any facilities appurtenant thereto;
 10. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-10" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
 11. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-11" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
 12. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-12" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one waste water lift station, and any facilities appurtenant thereto, including, but not limited to, above-ground and below ground pumps,

related buildings and sheds, and electrical power lines and breaker;

13. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-13" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one sewage sump tank, and any facilities appurtenant thereto, including, but not limited to, pumps, electrical powers lines and breaker;
14. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-14" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove electrical power lines, and any facilities appurtenant thereto, including, but not limited to, breakers, transformers and electrical meters;
15. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-15" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one monitoring well, and any facilities appurtenant thereto;
16. A perpetual, non-exclusive easement across, over, under and upon those certain tracts of land in Harris County, Texas, more particularly described in Exhibit "B-16" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one outfall drain line and secondary weir, and any facilities appurtenant thereto;
17. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-17" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
18. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-18" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one leach field, and any facilities appurtenant thereto;

Duplicate of B-13

510-01-1623

WARRENGAS TERMINAL

EXHIBIT "B-19" TO DEED

One (1) foot on either side of the 3" fresh water line located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the 3" fresh water line in their existing locations as of the date of this Deed.

WARRENGAS TERMINAL

EXHIBIT "B-24" TO DEED

THE STATE OF TEXAS)
COUNTY OF HARRIS)

Detail 'H'

FIELD NOTES of the center point of Monitor Well Number 6 situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 200.472 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This Monitor Well is more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a the center point of this well having a State Plane Coordinate System Value of $Y = 715,240.22$ and $X = 3,203,097.17$. From this BEGINNING point a brass cap in concrete found for the most Westerly Northwest corner of a called 150.556 acre tract of land called Tract 4 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, in the East line of Federal Road, right of way width varies, bears North 65 deg 55 min 39 sec West 1490.14 feet, and a brass cap found for the Southwest corner of said 150.556 acres, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 28 deg 08 min 39 sec West 2516.10 feet.

SURVEYED: April and May 1996

WARRENGAS TERMINAL

EXHIBIT "B-25" TO DEED

THE STATE OF TEXAS)
 COUNTY OF HARRIS)

Detail 'F'

LAB BUILDING

FIELD NOTES of a 0.034 of an acre tract of land situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 200.472 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 0.034 of an acre tract of land being more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a point for the West corner of this tract of land, having a State Plane Coordinate System Value of $Y = 713,861.38$ and $X = 3,203,766.45$. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of a called 150.556 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, in the East line of Federal Road, right of way width varies, bears North 45 deg 36 min 52 sec West 2840.41 feet, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 65 deg 39 min 41 sec West 2037.24 feet.

L92 THENCE North 42 deg 58 min 16 sec East with the Northwest line of this tract a distance of 60.14 feet to a point for the North corner of this tract of land.

L93 THENCE South 46 deg 52 min 28 sec East with the Northeast line of this tract a distance of 24.24 feet to a point for the East corner of this tract of land.

L94 THENCE South 42 deg 58 min 16 sec West with the Southeast line of this tract a distance of 60.14 feet to a point for the South corner of this tract of land.

PAGE NO. 2 -

295
THENCE North 46 deg 52 min 28 sec West with the Southwest line of this tract a distance of 24.24 feet to the PLACE OF BEGINNING, containing within said boundaries 0.034 of an acre of land, more of less.

EXHIBIT "B-26" TO DEED

ANTENNA AND ANTENNA BUILDINGS

FIELD NOTES of a 0.026 of an acre tract of land situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part a called 200.472 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 0.026 of an acre tract of land being more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a point for the West corner of this tract of land, having a State Plane Coordinate System Value of $Y = 713,831.34$ and $X = 3,203,815.17$. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of a called 150.556 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, in the East line of Federal Road, right of way width varies, bears North 45 deg 51 min 51 sec West 2896.27 feet, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 66 deg 58 min 30 sec West 2069.80 feet.

L96 THENCE North 42 deg 58 min 36 sec East with the Northwest line of this tract a distance of 32.83 feet to a point for the North corner of this tract of land.

L97 THENCE South 46 deg 25 min 36 sec East with the Northeast line of this tract a distance of 36.69 feet to a point for the East corner of this tract of land.

L98 THENCE South 43 deg 20 min 13 sec West with the Southeast line of this tract a distance of 27.91 feet to a point for the South corner of this tract of land.

510-01-1634

199
THENCE North 54 deg 06 min 50 sec West with the Southwest line of this tract a distance of 36.80 feet to the PLACE OF BEGINNING, containing within said boundaries 0.026 of an acre of land, more of less.

SURVEYED: April and May 1996

19. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-19" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, for the transportation of water or any other substances which can be transported through pipelines;
20. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-20" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one firewall dyke, and any facilities appurtenant thereto;
21. A perpetual non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-21" attached hereto and incorporated herein, to use the helicopter pad and any facilities appurtenant thereto in the event of an emergency (the "Helicopter Easement");
22. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-22" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one pipeline, and any facilities appurtenant thereto, for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
23. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-23" attached hereto and incorporated herein, for the construction, installation, repair, replacement, relocation, removal, maintenance and operation of one pipeline used for the transportation of oil, gas, petroleum products or any other liquids, gases or substances which can be transported through pipelines;
24. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-24" attached hereto and incorporated herein, to maintain, operate, inspect, repair, replace, relocate and remove one monitoring well, and any facilities appurtenant thereto;

25. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-25" attached hereto and incorporated herein, to use the microwave tower, communication building and any related appurtenances thereto located on such tract of land and to operate and maintain equipment on or in such tower or such building (the "Microwave Easement");
26. A perpetual, non-exclusive easement across, over, under and upon that certain tract of land in Harris County, Texas, more particularly described in Exhibit "B-26" attached hereto and incorporated herein, to use the building located on such land, including access into the building, and to operate and maintain equipment on or in such building (the "Lab Easement").

Grantor also hereby excepts and reserves for and unto Grantor, and its successors and assigns, the right of ingress to and egress from the Easements over and across the Property for all purposes incident to this reservation.

Any of the Easements, and rights incidental thereto, may be assigned in whole or in part upon prior written notice to the Grantee; provided, that no such assignment, transfer or other conveyance shall relieve Grantor of primary responsibility for the full and faithful discharge of every obligation imposed by this reservation, unless Grantee consents in writing to relieve Grantor from such responsibility, which consent shall not be unreasonably withheld.

Grantor understands and agrees that the Easements herein reserved are for land necessary to accommodate the Reserved Improvements and such additional area on the Property required to maintain the facilities appurtenant to the use of the Reserved Improvements, and that similar permission may be given to others for the installation, maintenance, operation and use of facilities in close proximity to the ones provided hereby; provided that such grants to third parties shall not give those third parties rights superior to, or which can interfere with, the rights reserved by Grantor herein. Grantor shall not have and there is not reserved hereby any exclusive right or use and/or occupancy of any portion of the Property. Grantee has the right to use the Property in any way that will not unduly interfere with Grantor's use of the Easements.

Grantor shall have the right to construct, at Grantor's sole cost and expense, additional pipelines (the "Additional Pipelines" and collectively with the Existing Pipelines the "Pipelines") and appurtenant facilities thereto at another location on the Property approved by Grantee as hereinbelow provided.

Grantee shall have the right to approve the design of the Additional Pipelines, which approval shall not be unreasonably withheld; and Grantor will not perform any operation, including but not limited to the digging necessary to construct and to maintain the Additional Pipelines, without first obtaining Grantee's approval of the operation and of the manner in which the operation will be performed, which approval shall not be unreasonably withheld.

Each party hereto has the right, at its sole cost and expense, to relocate any of the Pipelines, or any appurtenant facilities, to an alternate location on the Property as herein below provided. Any such alternative location must be approved by the other party in advance of such relocation, which approval shall not be unreasonably withheld.

Any Additional Pipelines which are constructed or installed, and any of the Pipelines which are relocated, shall be at a location mutually acceptable to Grantor and Grantee, each party agreeing to act in a commercially reasonable manner in submitting, reviewing and considering any proposal for Additional Pipelines or relocation of the Pipelines. To the extent practicable and consistent with sound pipeline engineering and construction principles and practices, any of the Pipelines which are relocated shall be laid as nearly parallel and as close as practicable to the pipeline being moved, and any Additional Pipelines shall be laid as nearly parallel and as close as practicable to an Existing Pipeline. Grantor's right of relocation and right to Additional Pipelines shall be subject to each and all of the covenants and conditions herein set forth with respect to Grantor's use of the Easements, and shall not constitute or be interpreted as a reservation of an easement to any portion of the Property (other than the Easements and the location, as of the date of this Deed, of existing facilities appurtenant to the Reserved Improvements) unless and until the relocation of any of the Pipelines or the construction or installation of Additional Pipelines, as the case may be, has been agreed to by the parties as herein provided. Further, Grantee has not agreed and shall not be obligated to reserve any portion of the Property as possible sites for the relocation of the Pipelines, for the construction or installation of Additional Pipelines or for the facilities appurtenant thereto. Upon any relocation of the Pipelines, or a substantial portion thereof, or construction of Additional Pipelines, Grantor and Grantee shall execute and record in the applicable county real property records a mutually acceptable instrument evidencing the new location(s) of the respective Easement or such substantial portion thereof and the release of any applicable portion of the respective Easement. If Grantee exercises its additional line rights, all references herein to the "Easements" shall thereafter mean and include the Easements for the Reserved Improvements and the Easements for the Additional Pipelines.

If the Pipelines are to be constructed underground, Grantor shall bury the Pipelines a minimum of thirty-six inches (36") below the surface of the ground; provided, however, that this requirement does not apply to an Existing Pipeline if it is buried less than thirty-six inches (36") below the surface of the ground at the time this Deed is entered into. This requirement does apply, however, to the relocation of the Existing Pipelines as provided herein.

The Pipelines, if cathodically protected, shall be protected in a manner which will not interfere with the protection system of Grantee. In the event Grantee's protection system encounters interference from Grantor's system, Grantor will take the necessary steps to prevent the interference.

Grantor shall be permitted temporarily, during the construction, operation, maintenance, replacement, relocation and removal of any of the Reserved Improvements or Additional Pipelines to use such additional working room on the Property as is reasonably necessary adjacent to the respective Easement during such construction, operation, maintenance, replacement, relocation and removal of any of the Reserved Improvements or Additional Pipelines, consistent with the other terms of this reservation, upon prior notice to Grantee. Grantor shall notify Grantee in writing of Grantor's intention to enter upon the Property a minimum of twenty-four (24) hours prior to the start of construction, replacement, relocation or removal of any of the Reserved Improvements or Additional Pipelines; provided, however, that in the event of an emergency, Grantor shall give Grantee notice as soon as is practical.

Grantor shall maintain the Easements at its sole cost and expense. Notwithstanding the foregoing, Grantor shall have no obligation to maintain the Roadway Easement, the Microwave Easement, the Helicopter Easement or the Lab Easement. Grantor shall pay any real property taxes assessed against the rights of Grantor to the Easements created under this reservation. The Reserved Improvements and Additional Pipelines shall be operated and maintained in accordance with all applicable rules and regulations of duly constituted governmental entities. Operation, maintenance, replacement, construction, relocation and removal of the Reserved Improvements or Additional Pipelines shall conform at least to prevailing industry standards.

Following completion of any operation, maintenance, replacement, construction, relocation or removal of the Reserved Improvements or Additional Pipelines, Grantor shall clean up and restore the Property to at least as good a condition as existed prior to said operation, maintenance, replacement, construction, relocation or removal, and shall pay Grantee for all damages occurring to the Property as a result of such operation, maintenance, replacement, construction, relocation or removal which have not been restored by the Grantor. An as-built

property plat and alignment drawings will be provided to Grantee upon completion of construction.

Grantor shall indemnify and hold Grantee harmless from and against any and all losses, claims, and causes of action, in strict liability or in tort, for injury to any person (including death) or damage to any property arising out of or in any way connected with Grantor's use of the Easements reserved herein. Grantee shall indemnify and hold Grantor harmless from and against any and all losses, claims, and causes of action, in strict liability or in tort, for injury to any person (including death) or damage to any property arising out of or in any way connected with Grantee's use or ownership of the Property. Provided, however, that neither party is required to defend or indemnify the other party, or save the other party free and harmless, if such costs or expenses are caused by the other party's negligence or willful misconduct.

It is agreed that this reservation covers the entire agreement between the parties with respect to the Easements and no representations or statements, verbal or written, have been made modifying, adding to or changing the terms of this reservation. The terms and conditions hereof shall inure to the benefit of and be binding upon Grantor and Grantee and their representatives, successors or assigns.

III. Grantor hereby reserves for and unto Grantor and Grantor's successors and assigns, all rights, title, and interest in and to the following mineral interests, rights or estates:

None

WARRENGAS TERMINAL**EXHIBIT "B-1" TO DEED**

The following improvements situated on the Property are **not** being granted, bargained, sold or conveyed, and title thereto shall remain in Grantor:

1. Ethylene import facilities and equipment, and all related appurtenances thereto, including, but not limited to a stainless steel loading arm, the ethylene import pumps #28-85 and #28-86, the ethylene import exchanger #18-1, the ethylene meter, the ethylene import flare relief knock out drum #301-2, the ethylene import sink #302-3, the pentane circulating pumps P-46 and P-47, the pentane circulating drum #301-1, the pentane circulating pipelines and the Smalling heater, located on or about the property more particularly described in Exhibit "B-2" attached hereto and incorporated herein;
2. Ethylene Truck Unloading Facilities and equipment and all related appurtenances thereto located on or about the property more particularly described in Exhibit "B-2" attached hereto and incorporated herein;
3. Ethylene/Propylene Export facilities and equipment, and all related appurtenances thereto, including, but not limited to compressors #11-101 through #11-108, pumps #28-91 through #28-110, the Ethylene Pump, the Spare Ethylene Pump, Evaporative Condensers #2-101 through #2-103, Chillers/Coolers/Exchangers #18-101 through #18-115, Vessels #30-114, and Motors #27-101 through #27-136, located on or about the property more particularly described in Exhibit "B-2" attached hereto and incorporated herein;
4. The 8" flare pipeline, the 2" nitrogen pipeline, the 6" propylene pipeline from Chevron Pipe Line, the 6" propylene dock pipeline, the 4" ethylene vapor pipe line, the 8" ethylene dock pipeline, the 6" ethylene pipeline from Chevron Pipe Line, the 2" flare pipeline, the 3" ethylene liquid pipeline, the 2" ethylene vapor pipeline, the 6" propylene dock #1 pipeline, the 4" ethylene dock #1 pipeline, the 6" ethylene dock #1 pipeline, the 8" pentane pipeline, the 8" ethylene pipeline, the 6" propylene pipeline and the 2" S.S. flare pipeline, and all related appurtenances to these pipelines located on or about the property more particularly described in Exhibit "B-2" attached hereto and incorporated he

5. The 8" Ethylene pipeline from Dock 1 area to the channel crossing area, and all related appurtenances thereto located on the Property;
6. The 8" Propylene pipeline from Dock 1 area to the channel crossing area, and all related appurtenances thereto located on the Property;
7. Starters and electrical lines for ethylene import and truck unloading systems including, but not limited to, pumps 46, 47, 85 and 86, and the heat sink and all related appurtenances thereto located on or about the property more particularly described in Exhibit "B-2" attached hereto and incorporated herein;
8. The dock #2 barge unloading avgas pipeline to Chevron Product storage area and all related appurtenances thereto located on the Property;
9. The dock #2 barge unloading motor gasoline/diesel pipeline to Chevron Product storage area and all related appurtenances thereto located on the Property;
10. The dock #3 barge unloading avgas pipeline to Chevron Product storage area and all related appurtenances thereto located on the Property;
11. The dock #3 barge unloading motor gasoline/diesel pipeline to Chevron Product storage area and all related appurtenances thereto located on the Property;
12. The Chevron Products flare and flare pipeline and all related appurtenances thereto located on or about the property more particularly described in Exhibit "B-9" attached hereto and incorporated herein;
13. The 12" Explorer Jet Fuel Pipeline, including but not limited to the section to Hess and the product tank manifold, and all related appurtenances thereto located on the Property;
14. The 12" products pipeline from Hess/Coastal to Chevron Products and all related appurtenances thereto located on the Property;
15. The waste water lift station including electrical power lines and breaker and all related appurtenances thereto located on or about the property more particularly described in Exhibit "B-12" attached hereto and incorporated herein;
16. The sewage sump tank and pump including electrical power line and breaker and all related appurtenances thereto located on or about the property more

particularly described in Exhibit "B-13" attached hereto and incorporated herein;

17. The overhead Chevron power feeder line, and all related appurtenances thereto, including, but not limited to, breakers, transformers and electrical meters, located on the Property;
18. Monitoring well #7 and all related appurtenances thereto located on or about the property more particularly described in Exhibit "B-15" attached hereto and incorporated herein;
19. The 6" outfall drain pipeline and secondary weir and all related appurtenances thereto located on or about the property more particularly described in Exhibit "B-16" attached hereto and incorporated herein;
20. The Chevron Products fuel (1" natural gas) pipeline and all related appurtenances thereto located on the Property;
21. The Chevron Products leach field and all related appurtenances thereto located on or about the property more particularly described in Exhibit "B-18" attached hereto and incorporated herein;
22. The 3" fresh water pipeline and all related appurtenances thereto located on the Property;
23. Chevron Product Company equipment in the lab located on the property more particularly described in Exhibit "B-28" attached hereto and incorporated herein;
24. Firewall (tank dykes) Drainage System and all related appurtenances thereto located on or about the property more particularly described in Exhibit "B-20" attached hereto and incorporated herein;
25. Any stand-alone equipment or device, including but not limited to piperacks, electrical lines and electrical equipment and instruments, retained by Grantor or its affiliates, and all related appurtenances thereto located on the Property that supports, controls or interfaces with assets retained by Grantor or its affiliates;
26. 8" Flare pipeline from Tanks 117 through 121 and all related appurtenances thereto located on the Property;
27. 12" Marine Manifold pipeline and all related appurtenances thereto located on the Property;

28. Monitor well #6 and all related appurtenances thereto located on or about the property more particularly described in Exhibit "B-24" attached hereto and incorporated herein;
29. Microwave equipment on tower and in building on site dedicated for use by Grantor or its affiliates, other than Warren Petroleum Company, a division of Grantor, including but not limited to radios, mux, batteries, chargers, dish antennas and feed located on or about the property described in Exhibit "B-26" attached hereto and incorporated herein.

WARRENGAS TERMINAL

EXHIBIT "B-2" TO DEED

THE STATE OF TEXAS)
 COUNTY OF HARRIS)

Ethylene Import Area

FIELD NOTES of a 6.426 acre tract of land situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 200.472 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 6.426 acre tract of land being more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a brass cap found in concrete for the Northeast corner of this tract of land, the Northeast corner of said 200.472 acres, the Southeast corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, the Southwest corner of a tract of land conveyed to Amerada Hess Corporation by Warren Petroleum Corporation by deed dated March 29, 1978, and recorded at County Clerk's File Number F 556232 of the Deed Records of Harris County, Texas, and the Northwest corner of a 7.0 acre tract of land conveyed to Hess Oil & Chemical Corporation by William March Rice University by deed dated May 25, 1967, and recorded in Volume 6820 at Page 367 of the Deed Records of Harris County. Said BEGINNING corner having a State Plane Coordinate System Value of $Y = 713,883.85$ and $X = 3,204,820.36$. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of a called 150.556 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, in the East line of Federal Road, right of way width varies, bears North 57 deg 30 min 16 sec West 3656.40 feet.

L117
 THENCE South 16 deg 19 min 11 sec East with the East line of this tract, the East line of said 200.472 acres, and the West line of said Hess tract a distance of 236.51 feet to a 1/2 inch iron rod set for the Southeast corner of this tract of land.

L118
 THENCE South 72 deg 33 min 06 sec West with the South line of this tract, and across said 200.472 acres a distance of 444.13 feet to the North bank of Hunting Bayou for a corner of this tract.

PAGE NO. 2 -

THENCE with the South line of this tract, and the meanders and bulkheads of Hunting Bayou the following courses:

L119 North 76 deg 45 min 09 sec West 0.39 feet
 L7 North 67 deg 54 min 51 sec West 28.63 feet
 L8 North 82 deg 42 min 18 sec West 371.35 feet
 L9 South 72 deg 54 min 05 sec West 120.94 feet
 L10 South 62 deg 25 min 53 sec West 259.11 feet
 L11 South 15 deg 13 min 33 sec West 276.14 feet
 L12 South 52 deg 57 min 44 sec West 56.90 feet
 L120 South 69 deg 49 min 33 sec West 112.72 feet to a point for the Southwest corner of this tract.

L121 THENCE North 17 deg 26 min 52 sec West with the West line of this tract a distance of 364.30 feet to a point for the Northwest corner of this tract of land, in the North line of said 200.472 acres, and in the South line of said 3.948 acres.

THENCE North 72 deg 33 min 08 sec East with the North line of this tract, and the North line of said 200.472 acres, and the South line of said 3.948 acres a distance of 1499.75 feet to the POINT OF BEGINNING, containing within said boundaries 6.426 acres of land, more or less.

SURVEYED: April and May 1996

SURVEYORS CERTIFICATE

I, Robert L. Hall, Jr., Reg. Professional Land Surveyor No. 1610 do hereby certify that the foregoing field notes were prepared from a survey made on the ground on the date shown and that all lines, boundaries and landmarks are accurately described therein.

WITNESS my hand and seal at Baytown, Texas, this the 13th, day of August, A.D., 1996.

REG. PROFESSIONAL LAND SURVEYOR
 NO. 1610
 96-1041D.FDN



WARRENGAS TERMINAL**EXHIBIT "B-3" TO DEED**

One (1) foot on either side of the 8" Ethylene pipeline from Dock 1 area to the channel crossing area located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the 8" Ethylene pipeline from Dock 1 area to the Channel crossing area, in their existing locations as of the date of this Deed.

WARRENGAS TERMINAL**EXHIBIT "B-4" TO DEED**

One (1) foot on either side of the 8" Propylene pipeline from Dock 1 area to the channel crossing area located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the 8" Propylene pipeline from Dock 1 area to the Channel crossing area in their existing locations as of the date of this Deed.

510-01-1606

WARRENGAS TERMINAL

EXHIBIT "B-5" TO DEED

One (1) foot on either side of the dock #2 barge unloading avgas line located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the dock #2 barge unloading avgas line in their existing locations as of the date of this Deed.

510-01-1607

WARRENGAS TERMINAL

EXHIBIT "B-6" TO DEED

One (1) foot on either side of the dock #2 barge unloading motor gasoline/diesel line located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the dock #2 barge unloading motor gasoline/diesel line in their existing locations as of the date of this Deed.

510-01-1608

WARRENGAS TERMINAL

EXHIBIT "B-7" TO DEED

One (1) foot on either side of the dock #3 barge unloading avgas line located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the dock #3 barge unloading avgas line in their existing locations as of the date of this Deed.

WARRENGAS TERMINAL**EXHIBIT "B-8" TO DEED**

One (1) foot on either side of the dock #3 barge unloading motor gasoline/diesel line located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the dock #3 barge unloading motor gasoline/diesel line in their existing locations as of the date of this Deed.

EXHIBIT "B-9" TO DEED

THE STATE OF TEXAS)
COUNTY OF HARRIS)

Chevron Flare
Deed 'B'

510-01-1610

FIELD NOTES of a 0.519 of an acre tract of land situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 150.556 acre tract of land called Tract 4 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 0.519 of an acre tract of land being more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a 1/2 inch iron rod set for the Southwest corner of this tract of land, having a State Plane Coordinate System Value of Y = 715,686.42 and X = 3,202,536.91. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of said 150.556 acres in the East line of Federal Road, right of way width varies, bears North 78 deg 35 min 08 sec West 816.37 feet, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 13 deg 13 min 48 sec West 2737.51 feet.

49 THENCE North 07 deg 43 min 37 sec West with the West line of this tract a distance of 110.00 feet to a point for the Northwest corner of this tract of land.

460 THENCE North 82 deg 16 min 23 sec East with the North line of this tract a distance of 205.48 feet to a point for the Northeast corner of this tract of land.

461 THENCE South 07 deg 43 min 37 sec East with the East line of this tract a distance of 110.00 feet to a 1/2 inch iron rod set for the Southeast corner of this tract of land.

462 THENCE South 82 deg 16 min 23 sec West with the South line of this tract a distance of 205.48 feet to the PLACE OF BEGINNING, containing within said boundaries 0.519 of an acre of land, more of less.

SURVEYED: April and May 1996

; and one (1) foot on either side of the flare line located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the flare line in their existing locations as of the date of this Deed.

WARRENGAS TERMINAL**EXHIBIT "B-10" TO DEED**

One (1) foot on either side of the 12" Explorer Jet Fuel line located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the 12" Explorer Jet Fuel line in their existing locations as of the date of this Deed.

510-01-1612

WARRENGAS TERMINAL

EXHIBIT "B-11" TO DEED

One (1) foot on either side of the 12" products line from Hess/Coastal to Chevron Products located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the 12" products line from Hess/Coastal to Chevron Products in their existing locations as of the date of this Deed.

EXHIBIT "B-12" TO DEED

THE STATE OF TEXAS) Waste Water Lift Sta. area
COUNTY OF HARRIS)

510-01-1613

FIELD NOTES of a 0.007 of an acre tract of land situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 150.556 acre tract of land called Tract 4 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 0.007 of an acre tract of land being more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a 1/2 inch iron rod set for the Southwest corner of this tract of land, having a State Plane Coordinate System Value of Y = 713,591.05 and X = 3,202,917.23. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of said 150.556 acres in the East line of Federal Road, right of way width varies, bears North 27 deg 36 min 40 sec West 2547.28 feet, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 60 deg 31 min 05 sec West 1156.64 feet.

L88 THENCE North 01 deg 40 min 24 sec East with the West line of this tract a distance of 20.55 feet to a 1/2 inch iron rod set for the Northwest corner of this tract of land.

L89 THENCE South 88 deg 18 min 53 sec East with the North line of this tract a distance of 14.96 feet to a 1/2 inch iron rod set for the Northeast corner of this tract of land.

L90 THENCE South 02 deg 42 min 58 sec West with the East line of this tract a distance of 21.06 feet to a 1/2 inch iron rod set for the Southeast corner of this tract of land.

L91 THENCE North 86 deg 18 min 18 sec West with the South line of this tract a distance of 14.59 feet to the PLACE OF BEGINNING, containing within said boundaries 0.007 of an acre of land, more of less.

SURVEYED: April and May 1996

EXHIBIT "B-13" TO DEED

THE STATE OF TEXAS)
COUNTY OF HARRIS)

Leach Field No. 9

FIELD NOTES of a 0.885 of an acre tract of land situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 200.472 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 0.885 of an acre tract of land being more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a 1/2 inch iron rod set for the Northwest corner of this tract of land, having a State Plane Coordinate System Value of Y = 713,584.10 and X = 3,202,973.72. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of a called 150.556 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, in the East line of Federal Road, right of way width varies, bears North 28 deg 39 min 05 sec West 2580.05 feet, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 62 deg 07 min 51 sec West 1202.88 feet.

L104 THENCE North 85 deg 55 min 23 sec East with the North line of this tract a distance of 389.69 feet to a 1/2 inch iron rod set for the North corner of this tract of land.

L105 THENCE South 02 deg 20 min 57 sec East with the East line of this tract a distance of 85.03 feet to a 1/2 inch iron rod set for the Southeast corner of this tract of land.

L106 THENCE South 79 deg 23 min 01 sec West with the South line of this tract a distance of 323.54 feet to a 1/2 inch iron rod set for the Southwest corner of this tract of land.

L107 THENCE North 08 deg 41 min 15 sec West with the West line of this tract a distance of 37.81 feet to a 1/2 inch iron rod set for a corner of this tract of land.

510-01-1615

PAGE NO. 2 -

0.885 OF AN ACRE

L108 THENCE North 88 deg 12 min 46 sec West with the South line of this tract a distance of 58.36 feet to a 1/2 inch iron rod set for the most Northern Southwest corner of this tract of land.

L109 THENCE North 07 deg 26 min 20 sec West with the West line of this tract a distance of 78.33 feet to the PLACE OF BEGINNING, containing within said boundaries 0.885 of an acre of land, more of less.

SURVEYED: April and May 1996

510-01-1616

WARRENGAS TERMINAL

EXHIBIT "B-14" TO DEED

The area on the Property necessary to accommodate the overhead electrical power lines, breakers, transformers and electrical meters being retained by Grantor or its affiliates, and all appurtenances thereto, located on the Property (the "Power Lines"), and such additional area on the Property to maintain the facilities appurtenant to the use of the Power Lines, in their existing locations as of the date of this Deed.

WARRENGAS TERMINAL

EXHIBIT "B-15" TO DEED

THE STATE OF TEXAS)
COUNTY OF HARRIS)

Detail J

FIELD NOTES of the center point of Monitor Well Number 7 situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 200.472 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This Monitor Well is more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a the center point of this well having a State Plane Coordinate System Value of $Y = 713,553.92$ and $X = 3,203,238.39$. From this BEGINNING point a brass cap in concrete found for the most Westerly Northwest corner of a called 150.556 acre tract of land called Tract 4 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, in the East line of Federal Road, right of way width varies, bears North 33 deg 12 min 27 sec West 2742.11 feet, and a brass cap found for the Southwest corner of said 150.556 acres, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 68 deg 09 min 56 sec West 1430.70 feet.

SURVEYED: April and May 1996

WARRENGAS TERMINAL

EXHIBIT "B-16" TO DEED

THE STATE OF TEXAS)
 COUNTY OF HARRIS)

water pond

FIELD NOTES of a 0.052 of an acre tract of land situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 200.472 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 0.052 of an acre tract of land being more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a POINT for the West corner of this tract of land, having a State Plane Coordinate System Value of Y = 713,309.90 and X = 3,202,126.05. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of a called 150.556 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, in the East line of Federal Road, right of way width varies, bears North 08 deg 43 min 10 sec West 2568.04 feet, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 36 deg 48 min 45 sec West 359.81 feet.

L110 THENCE North 51 deg 12 min 17 sec East with the Northwest line of this tract a distance of 47.98 feet to a point for the North corner of this tract of land.

L111 THENCE South 45 deg 43 min 52 sec East with the Northeast line of this tract a distance of 44.08 feet to a point for the East corner of this tract of land.

L112 THENCE South 41 deg 17 min 42 sec West with the Southeast line of this tract a distance of 47.33 feet to a point for the South corner of this tract of land.

L113 THENCE North 46 deg 58 min 39 sec West with the Southwest line of this tract a distance of 13.32 feet to a point for a corner of this tract of land.

510-01-1619

PAGE NO. 2 -

0.052 OF AN ACRE

L114
THENCE North 44 deg 46 min 25 sec West with the Southwest line of this tract a distance of 25.32 feet to a point for a corner of this tract of land.

L115
THENCE North 47 deg 48 min 01 sec West with the Southwest line of this tract a distance of 13.72 feet to the PLACE OF BEGINNING, containing within said boundaries 0.052 of an acre of land, more or less.

SURVEYED: April and May 1996

; and one (1) foot on either side of the 6" outfall drain line located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the 6" outfall drain line in their existing locations as of the date of this Deed.

510-01-1620

WARRENGAS TERMINAL

EXHIBIT "B-17" TO DEED

One (1) foot on either side of the Chevron Products fuel (1" natural gas) line located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the Chevron Products fuel (1" natural gas) line in their existing locations as of the date of this Deed.

WARRENGAS TERMINAL

EXHIBIT "B-18" TO DEED

THE STATE OF TEXAS)
 COUNTY OF HARRIS)

Duplicate of B-13

FIELD NOTES of a 0.885 of an acre tract of land situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 200.472 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 0.885 of an acre tract of land being more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a 1/2 inch iron rod set for the Northwest corner of this tract of land, having a State Plane Coordinate System Value of Y = 713,584.10 and X = 3,202,973.72. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of a called 150.556 acre tract of land called Tract 5 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, in the East line of Federal Road, right of way width varies, bears North 28 deg 39 min 05 sec West 2580.05 feet, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 62 deg 07 min 51 sec West 1202.88 feet.

THENCE North 85 deg 55 min 23 sec East with the North line of this tract a distance of 389.69 feet to a 1/2 inch iron rod set for the North corner of this tract of land.

THENCE South 02 deg 20 min 57 sec East with the East line of this tract a distance of 85.03 feet to a 1/2 inch iron rod set for the Southeast corner of this tract of land.

THENCE South 79 deg 23 min 01 sec West with the South line of this tract a distance of 323.54 feet to a 1/2 inch iron rod set for the Southwest corner of this tract of land.

THENCE North 08 deg 41 min 15 sec West with the West line of this tract a distance of 37.81 feet to a 1/2 inch iron rod set for a corner of this tract of land.

510-01-1622

PAGE NO. 2 -

0.885 OF AN ACRE

THENCE North 88 deg 12 min 46 sec West with the South line of this tract a distance of 58.36 feet to a 1/2 inch iron rod set for the most Northern Southwest corner of this tract of land.

THENCE North 07 deg 26 min 20 sec West with the West line of this tract a distance of 78.33 feet to the PLACE OF BEGINNING, containing within said boundaries 0.885 of an acre of land, more of less.

SURVEYED: April and May 1996

WARRENGAS TERMINAL

EXHIBIT "B-20" TO DEED

THE STATE OF TEXAS)
 COUNTY OF HARRIS)

DITCH ONE

FIELD NOTES of the centerline of an existing 15 foot wide drainage ditch situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 150.556 acre tract of land called Tract 4 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This centerline is more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a point in the centerline of this drainage ditch, having a State Plane Coordinate System Value of $Y = 714,297.55$ and $X = 3,203,238.30$. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of said 150.556 acres in the East line of Federal Road, right of way width varies, bears North 44 deg 04 min 56 sec West 2158.57 feet, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 46 deg 08 min 51 sec West 1841.54 feet.

L63 THENCE South 19 deg 29 min 23 sec West with the centerline of this ditch a distance of 55.05 feet to a point in the centerline of this ditch

L64 THENCE South 09 deg 30 min 35 sec West with the centerline of this ditch a distance of 6.42 feet to a point in the centerline of this ditch

L65 THENCE South 09 deg 51 min 05 sec West with the centerline of this ditch a distance of 31.74 feet to a point in the centerline of this ditch

L66 THENCE South 06 deg 32 min 02 sec West with the centerline of this ditch a distance of 56.62 feet to a point in the centerline of this ditch

PAGE NO. 2 -

DITCH ONE

- L67 THENCE South 28 deg 20 min 25 sec West with the centerline of this ditch a distance of 61.88 feet to a point in the centerline of this ditch
- L68 THENCE South 19 deg 32 min 22 sec West with the centerline of this ditch a distance of 503.29 feet to a point in the centerline of this ditch
- L69 THENCE South 64 deg 50 min 24 sec East with the centerline of this ditch a distance of 29.74 feet to a point in the centerline of this ditch
- L70 THENCE North 76 deg 08 min 37 sec East with the centerline of this ditch a distance of 52.44 feet to a point in the centerline of this ditch
- L71 THENCE North 85 deg 20 min 22 sec East with the centerline of this ditch a distance of 151.65 feet to a point in the centerline of this ditch
- L72 THENCE South 84 deg 11 min 00 sec East with the centerline of this ditch a distance of 39.24 feet to a point in the centerline of this ditch
- L73 THENCE North 74 deg 02 min 34 sec East with the centerline of this ditch a distance of 73.96 feet to a point in the centerline of this ditch
- L74 THENCE South 80 deg 55 min 06 sec East with the centerline of this ditch a distance of 122.71 feet to a point in the centerline of this ditch
- L75 THENCE North 81 deg 01 min 51 sec East with the centerline of this ditch a distance of 144.75 feet to a point in the centerline of this ditch
- L76 THENCE South 75 deg 38 min 35 sec East with the centerline of this ditch a distance of 81.27 feet to a point in the centerline of this ditch
- L77 THENCE South 89 deg 10 min 54 sec East with the centerline of this ditch a distance of 34.17 feet to a point for the end of the centerline of this ditch.

DITCH TWO

COMMENCING at a point in the centerline of drainage ditch one, having a State Plane Coordinate System Value of Y = 714,297.55 and X = 3,203,238.30. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of said 150.556 acres in the East line of Federal Road, right of way width varies, bears North 44 deg 04 min 56 sec West 2158.57 feet, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 46 deg 08 min 51 sec West 1841.54 feet.

L63 THENCE South 19 deg 29 min 23 sec West with the centerline of said ditch one a distance of 55.05 feet to the centerline and POINT OF BEGINNING of drainage ditch two.

L62 THENCE North 88 deg 16 min 52 sec East with the centerline of this ditch a distance of 212.80 feet to a point in the centerline of this ditch

L63 THENCE South 86 deg 35 min 44 sec East with the centerline of this ditch a distance of 49.00 feet to a point in the centerline of this ditch

L64 THENCE North 86 deg 41 min 17 sec East with the centerline of this ditch a distance of 26.13 feet to a point in the centerline of this ditch

L65 THENCE North 86 deg 30 min 27 sec East with the centerline of this ditch a distance of 4.52 feet to a point in the centerline of this ditch

L66 THENCE North 26 deg 05 min 07 sec East with the centerline of this ditch a distance of 40.42 feet to a point in the centerline of this ditch

L67 THENCE North 03 deg 48 min 48 sec East with the centerline of this ditch a distance of 35.77 feet to a point for the end of the centerline of this ditch

SURVEYED: April and May 1996

EXHIBIT "B-21" TO DEED

THE STATE OF TEXAS)
COUNTY OF HARRIS)

Helicopter pad

FIELD NOTES of a 0.014 of an acre tract of land situated in the Harris and Wilson Survey, Abstract Number 31, Harris County, Texas, and being out of and a part of a called 150.556 acre tract of land called Tract 4 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 0.014 of an acre tract of land being more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

BEGINNING at a point for the Northwest corner of this tract of land, having a State Plane Coordinate System Value of $Y = 714,781.62$ and $X = 3,203,750.23$. From this BEGINNING corner a brass cap in concrete found for the most Westerly Northwest corner of said 150.556 acres in the East line of Federal Road, right of way width varies, bears North 62 deg 05 min 37 sec West 2278.65 feet, and a brass cap found for the Southwest corner of said 150.556 acres, the Northwest corner of a called 3.948 acre tract of land called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas, and in the East line of said Federal Road bears South 46 deg 16 min 24 sec West 2546.15 feet.

L100 THENCE North 84 deg 06 min 04 sec East with the North line of this tract a distance of 24.95 feet to a point for the Northeast corner of this tract of land.

L101 THENCE South 05 deg 45 min 18 sec East with the East line of this tract a distance of 25.03 feet to a point for the Southeast corner of this tract of land.

L102 THENCE South 84 deg 27 min 50 sec West with the South line of this tract a distance of 24.99 feet to a point for the Southwest corner of this tract of land.

L103 THENCE North 05 deg 38 min 48 sec West with the West line of this tract a distance of 24.87 feet to the PLACE OF BEGINNING, containing within said boundaries 0.014 of an acre of land, more of less.

SURVEYED: April and May 1996

510-01-1628

WARRENGAS TERMINAL

EXHIBIT "B-22" TO DEED

One (1) foot on either side of the 8" flare line from Tanks 117 through 121 located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the 8" flare line from Tanks 117 through 121 in their existing locations as of the date of this Deed.

510-01-1629

WARRENGAS TERMINAL

EXHIBIT "B-23" TO DEED

One (1) foot on either side of the 12" Marine Manifold line located on the Property, and such additional area on the Property required to maintain the facilities appurtenant to the use of the 12" Marine Manifold line in their existing locations as of the date of this Deed.

EXHIBIT "C" TO DEED

THE STATE OF TEXAS)
 COUNTY OF HARRIS)

TRACT 2

510-01-1635

FIELD NOTES of a 36.315 acre tract of land situated in the Harris and Wilson Survey, Abstract No. 31, Harris County, Texas, and being out of and a part of a called 150.556 acre tract of land called Tract 4 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas. This 36.315 acre tract of land is more particularly described by metes and bounds as follows, to wit:

NOTE: ALL BEARINGS ARE LAMBERT GRID BEARINGS AND ALL COORDINATES REFER TO THE STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE, 1927 DATUM, AS DEFINED IN ARTICLE 5300A OF THE REVISED CIVIL STATUTES OF THE STATE OF TEXAS. ALL DISTANCES ARE ACTUAL DISTANCES. REFERENCE IS MADE TO PLAT OF EVEN DATE ACCOMPANYING THIS METES AND BOUNDS DESCRIPTION.

COMMENCING at a brass cap found for the most Westerly Northwest corner of this tract of land, the most Westerly Northwest corner of said 150.556 acres, and in the East line of Federal Road, right of way width varies, having a State Plane Coordinate System Value of Y = 715,847.97 and X = 3,201,736.78.

THENCE South 03 deg 31 min 01 sec East with the West line of said 150.556 acres, and the East line of said Federal Road a distance of 1722.16 feet to a 1/2 inch iron rod set for the most Southerly Northwest corner of this tract of land and a corner of a 138.775 acre tract surveyed this day. Said corner being the PLACE OF BEGINNING, having a State Plane Coordinate System Value of Y = 714,129.25 and X = 3,201,842.42.

L40 THENCE North 85 deg 31 min 57 sec ^{East} South with the most Westerly North line of this tract and a line of said 138.775 acres a distance of 109.43 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L41 THENCE North 66 deg 17 min 59 sec East with a North line of this tract a South line of said 138.775 acres a distance of 241.43 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L42 THENCE North 86 deg 53 min 52 sec East with a North line of this tract and a South line of said 138.775 acres a distance of 185.79 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

Plat THENCE North 03 deg 31 min 04 sec West with a West line of this tract and a East line of said 138.775 acres a distance of 942.68 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

Plat
THENCE North 86 deg 49 min 41 sec East with a North line of this tract and a South line of said 138.775 acres a distance of 429.11 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L43
THENCE South 03 deg 08 min 41 sec East with a East line of this tract and a West line of said 138.775 acres a distance of 319.23 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L44
THENCE North 86 deg 52 min 47 sec East with a North line of this tract and South line of said 138.775 acres a distance of 354.64 feet to a "X" marked in concrete for a corner of this tract and a corner of said 138.775 acres.

L45
THENCE North 02 deg 24 min 44 sec West with a East line of this tract and a West line of said 138.775 acres a distance of 323.21 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L46
THENCE North 87 deg 38 min 18 sec East with a North line of this tract and a South line of said 138.775 acres a distance of 383.54 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

Plat
THENCE South 03 deg 03 min 10 sec East with a East line of this tract and a West line of said 138.775 acres a distance of 480.92 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L47
THENCE South 43 deg 15 min 32 sec West with a Southeast line of this tract and a Northwest line of said 138.775 acres a distance of 25.83 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

Plat
THENCE South 03 deg 11 min 09 sec East with a East line of this tract and a West line of said 138.775 acres a distance of 439.12 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

Plat
THENCE South 44 deg 47 min 26 sec West with a Southeast line of this tract and a Northwest line of said 138.775 acres a distance of 654.42 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L48
THENCE South 33 deg 01 min 16 sec West a Southeast line of this tract and a Northwest line of said 138.775 acres a distance of 311.32 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L49
THENCE South 03 deg 42 min 22 sec East with a East line of this tract and a West line of said 138.775 acres a distance of 209.79 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L50
THENCE South 35 deg 11 min 41 sec East with a East line of this tract and a West line of said 138.775 acres a distance of 48.31 feet to a 5/8 inch iron rod found for the Southeast corner of this tract of land, a corner of said 138.775 acres, in the South line of said 150.556 acres, and in the North line of 3.948 acres called Tract 2 in a deed from William M. Rice Institute to Warren Petroleum Corporation and recorded in Volume 2372 at Page 558 of the Deed Records of Harris County, Texas.

L51
THENCE South 72 deg 33 min 49 sec West with the South line of this tract, the South line of said 150.556 acres, and the North line of said 3.948 acres a distance of 48.67 feet to a 1/2 inch iron rod set for the Southwest corner of this tract of land and a corner of said 138.775 acres.

L52
THENCE North 03 deg 43 min 45 sec West with a West line of this tract and a East line of said 138.775 acres a distance of 142.76 feet to a PK nail set for a corner of this tract and a corner of said 138.775 acres.

L53
THENCE South 86 deg 01 min 56 sec West with a South line of this tract and a North line of said 138.775 acre a distance of 190.22 feet to a "X" marked in concrete for a corner of this tract and a corner of said 138.775 acres.

L54
THENCE North 03 deg 26 min 58 sec West with a West line of this tract and a East line of said 138.775 acres a distance of 92.25 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L55
THENCE South 86 deg 51 min 13 sec West with a South line of this tract and a North line of said 138.775 acres a distance of 260.26 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

plad
THENCE North 03 deg 31 min 01 sec West with a West line of this tract and a East line of said 138.775 acres a distance of 656.69 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L56
THENCE South 86 deg 53 min 52 sec West with a South line of this tract and a North line of said 138.775 acres a distance of 175.32 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L57

THENCE South 66 deg 17 min 58 sec West with a South line of this tract and a North line of said 138.775 acres a distance of 240.69 feet to a 1/2 inch iron rod set for a corner of this tract and a corner of said 138.775 acres.

L58

THENCE South 85 deg 32 min 00 sec West with the most Westerly South line of this tract and a North line of said 138.775 acres a distance of 120.60 feet to a 1/2 inch iron rod set for the most Northerly Southwest corner of this tract, the most Southerly Northwest corner of said 138.775 acres, in the West line of said 150.556 acres, and in the East line of said Federal Road. From this corner a brass cap found for the Southwest corner of said 150.556 acres bears South 03 deg 31 min 01 sec East a distance of 1049.58 feet.

L39

THENCE North 03 deg 31 min 01 sec West with the West line of this tract, the West line of said 150.556 acres, and the East line of said Federal Road a distance of 60.01 feet to the POINT OF BEGINNING, containing within said boundaries 36.315 acres, more or less.

SURVEYED: April and May 1996

SURVEYORS CERTIFICATE

I, Robert L. Hall, Jr., Reg. Professional Land Surveyor No. 1610 do hereby certify that the foregoing field notes were prepared from a survey made on the ground on the date shown and that all lines, boundaries and landmarks are accurately described therein.

WITNESS my hand and seal at Baytown, Texas, this the 13th., day of August, A.D., 1996.

Robert L. Hall, Jr.

REG. PROFESSIONAL LAND SURVEYOR
NO. 1610
96-1041H.FDN



ANY PROVISION HEREIN WHICH RESTRICTS THE SALE, RENTAL, OR USE OF THE DESCRIBED REAL PROPERTY BECAUSE OF COLOR OR RACE IS INVALID AND UNENFORCEABLE UNDER FEDERAL LAW THE STATE OF TEXAS }
COUNTY OF HARRIS }
I hereby certify that this instrument was FILED in File Number Sequence on the date and at the time stamped hereon by me; and was duly RECORDED, in the Official Public Records of Real Property of Harris County, Texas on

SEP 13 1996



Beverly B. Zeffman
COUNTY CLERK
HARRIS COUNTY TEXAS

HARRIS COUNTY, TEXAS

96 SEP 13 AM 9:45

FILED

Appendix B

MUNICIPAL SETTING DESIGNATION APPLICATION

**12510 AMERICAN PETROLEUM ROAD
HOUSTON, TEXAS 77015**

PROPERTY USE INFORMATION

The Designated Property consists of one contiguous 66.5803-acre parcel within the boundary of the property located at 12510 American Petroleum Road. The Designated Property is as a petroleum bulk storage terminal. The Site contains bulk storage tanks, processing equipment, and pipelines utilized by Targa. The Designated Property is adjoined to the north/northeast by Magellan Terminals Holdings LP, north/northwest by Chevron Products Company, and the south by the Houston Ship Channel/Buffalo Bayou Tidal, which are all heavy industrial-use properties.

As such, the current use and anticipated future use of the Designated Property, and all other properties within 500 feet of the Designated Property, is heavy industrial use.

Appendix C

MUNICIPAL SETTING DESIGNATION APPLICATION

**12510 AMERICAN PETROLEUM ROAD
HOUSTON, TEXAS 77015**

SITE MAPS

Six maps are attached in this section depicting relevant Designated Property information.

The Designated Property is located at 12510 American Petroleum Road in Houston, Texas 77015, as presented on **Figure 1**.

Figure 2 is a Federal Emergency Management Agency (FEMA) flood map which indicates that the majority of the Designated Property is located within a designated flood zone. Portions of the Site are located in Flood Zone X which implies, “areas determined to be outside the 0.2% annual chance floodplain.” A portion of the Designated Property is located in the FEMA Flood Zone AE, which implies, “areas subject to a 1% or greater annual chance of flooding in any given year.”

Figure 3 presents the Designated Property layout, property boundaries, and the locations of existing monitoring wells and soil sample locations associated with the Designated Property.

Figure 4 depicts the groundwater gradient and direction of groundwater flow, as determined through a quarterly groundwater monitoring event conducted in 2023.

Figure 5 illustrates the ingestion protective concentration level exceedance zone (PCLEZs) for applicable soil chemicals of concern (COCs): benzene, toluene, total petroleum hydrocarbons (TPH) class TPH C₆-C₁₂.

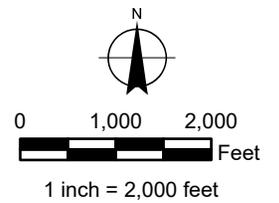
Figure 6 illustrates the ingestion PCLEZs for applicable groundwater COCs: TPH class TPH C₆-C₁₂, and benzene.

Figure 7 depicts the City of Houston Drinking Water Service Areas. As shown, the Site is located within the City of Houston Main System. **Figure 7** is provided in **Appendix O**.



 Approximate Site Boundary

Source: USGS US Topo Map



**BRAUN
INTERTEC**
The Science You Build On.

10075 Windfern Rd
Houston, TX 77064
713.230.8436
braunintertec.com

Project No:
01092.027

Drawing No:
F1_MSD Site Location

Drawn By: ZS
Date Drawn: 2/6/2023
Checked By: AP
Last Modified: 4/4/2023

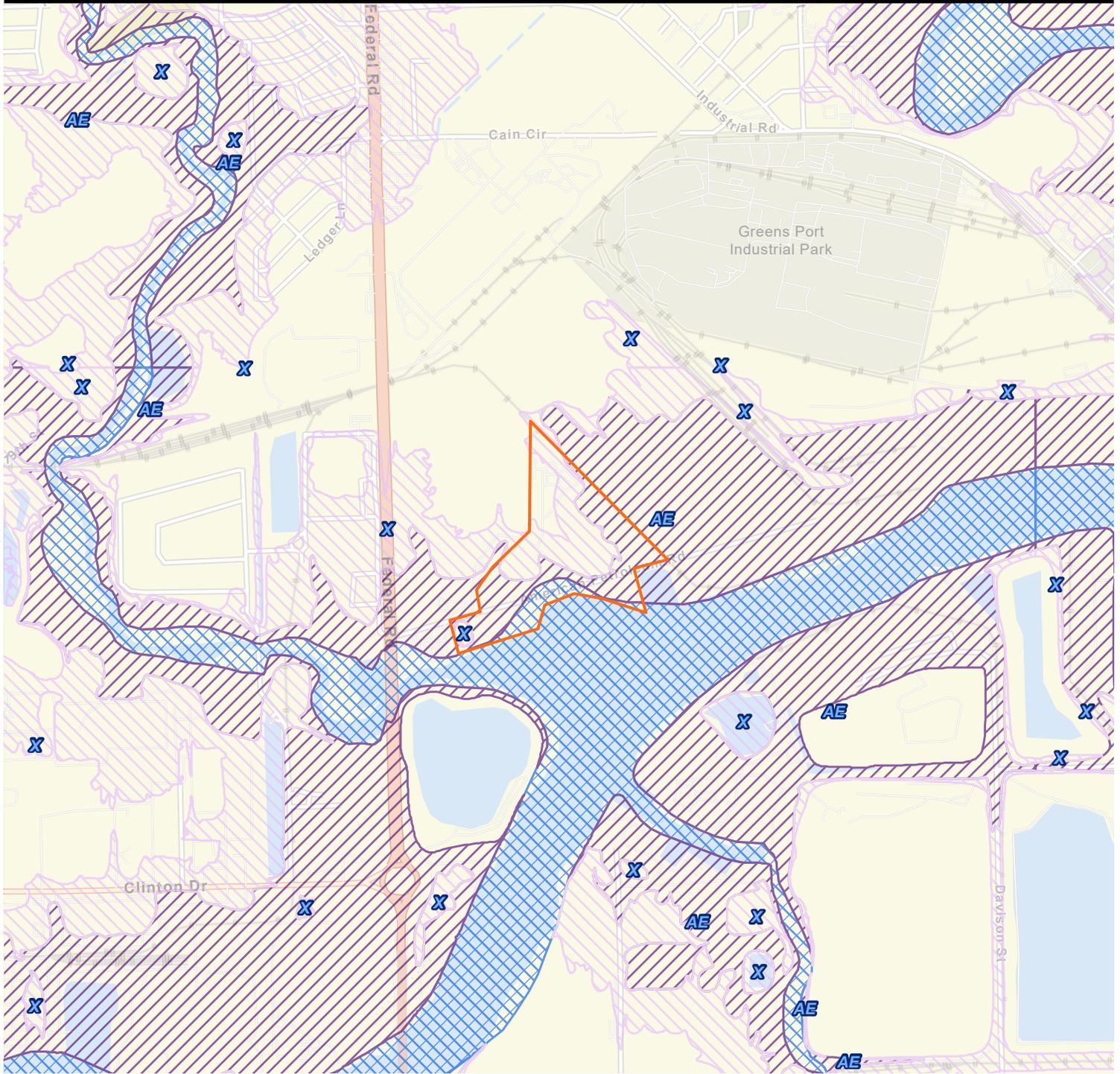
Targa Galena Park Facility

12510 American Petroleum Road

Houston, Texas

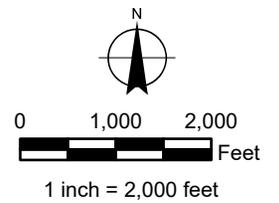
**Site Location
and Topographic
Map**

Figure 1



Source: ESRI Street Maps

-  Approximate Site Boundary
-  1% Annual Chance Flood Hazard
-  0.2% Annual Chance Flood Hazard
-  Regulatory Floodway



**BRAUN
INTERTEC**
The Science You Build On.

10075 Windfern Rd
Houston, TX 77064
713.230.8436
braunintertec.com

Project No:
01092.027

Drawing No:
F2_Flood Zone

Drawn By: ZS
Date Drawn: 2/6/2023
Checked By: AP
Last Modified: 4/4/2023

Targa Galena Park Facility

12510 American Petroleum Road

Houston, Texas

**Flood Zone
Map**

Figure 2



 Approximate Site Boundary

Source: Bing Aerial Imagery



0 250 500
 Feet

1 inch = 500 feet

**BRAUN
 INTERTEC**
 The Science You Build On.

10075 Windfern Rd
 Houston, TX 77064
 713.230.8436
 braunintertec.com

Project No:
 01092.027

Drawing No:
 F3A_Site Layout

Drawn By: ZS
 Date Drawn: 2/6/2023
 Checked By: AP
 Last Modified: 4/4/2023

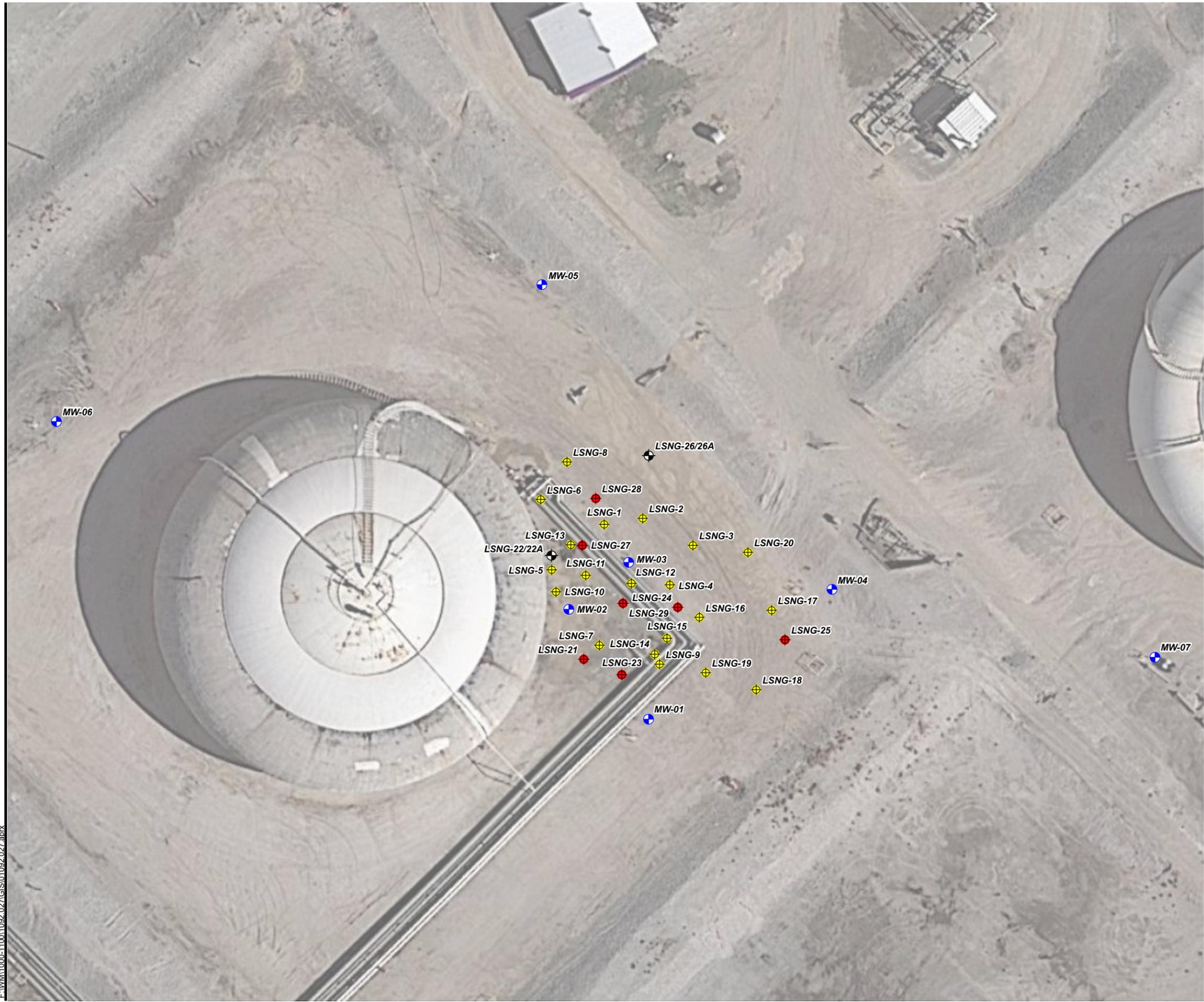
Targa Galena Park Facility

12510 American Petroleum Road

Houston, Texas

Site Layout

Figure 3A



- ⊕ LSNG Release Sample Locations (Golder Associates, Inc.)
- ⬮ Soil Boring Locations (Braun Intertec Corp.)
- ⊕ Temporary Monitoring Well (Braun Intertec Corp.)
- ⊕ Monitoring Well



Drawing Information

Project No:	01092.027
Drawing No:	F3B_Site Layout Tank W12
Drawn By:	ZS
Drawn Date:	2/7/2023
Checked By:	AP
Last Modified:	4/4/2023

Project Information

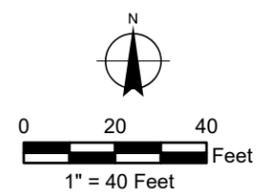
Targa Galena
Park Facility

12510 American
Petroleum Road

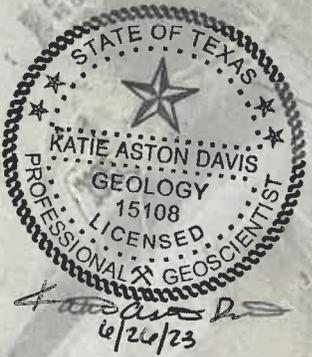
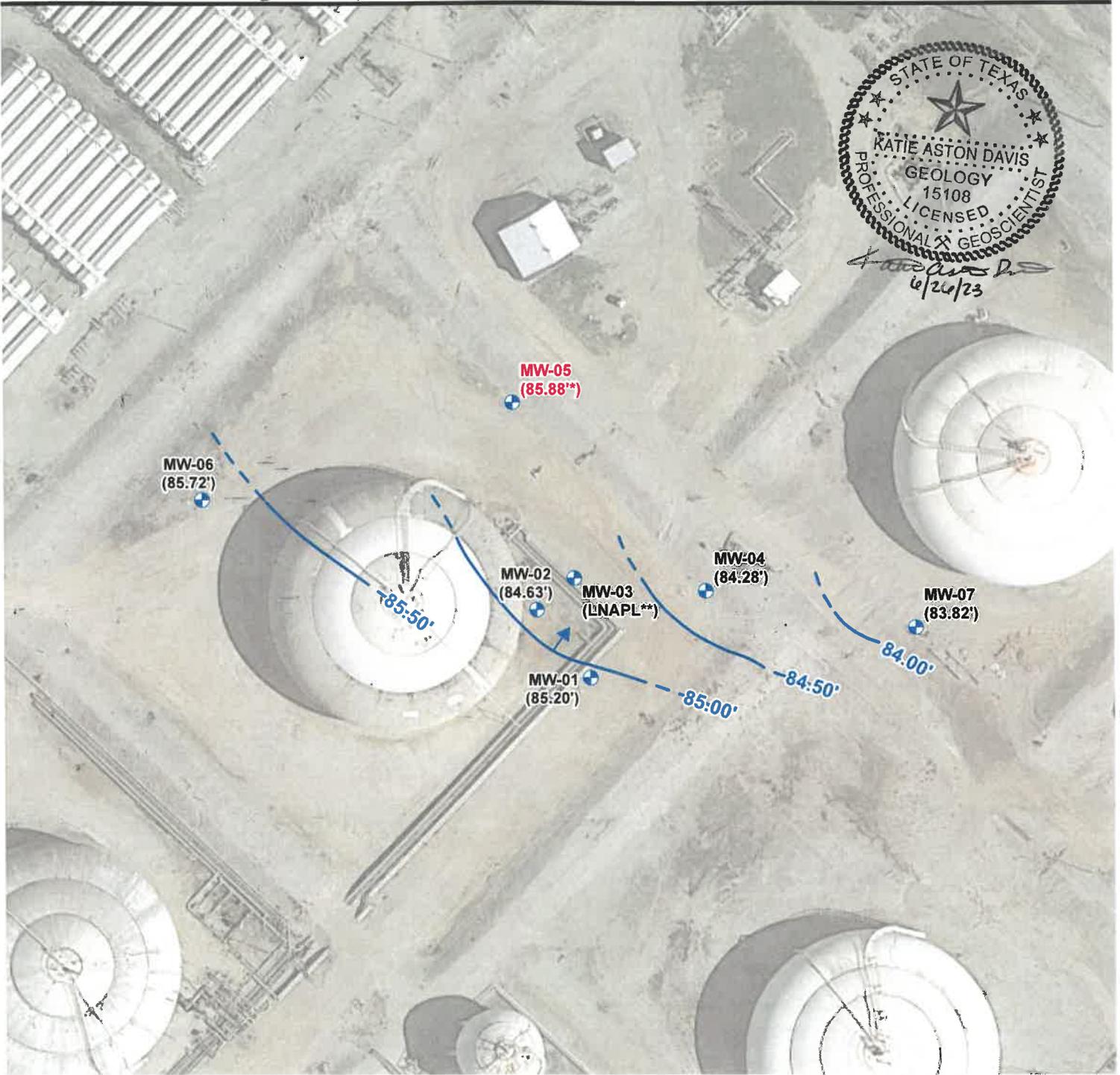
Houston, Texas

**Site Layout
Tank W-12**

Figure 3B



F:\WV\1000-11001\092.027\GIS\01092.027.aprx

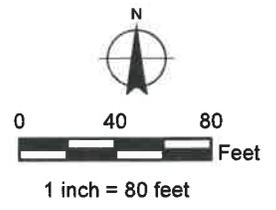


Source: Google Earth Imagery

- Monitoring Well
- Groundwater Flow Direction
- Groundwater Elevation Contour
- Inferred Groundwater Elevation Contour
- 90.40' Groundwater Elevation (feet)

* - indicates that the monitoring well data was not used in the groundwater gradient calculations.

** - LNAPL = Light non-aqueous phase liquid.



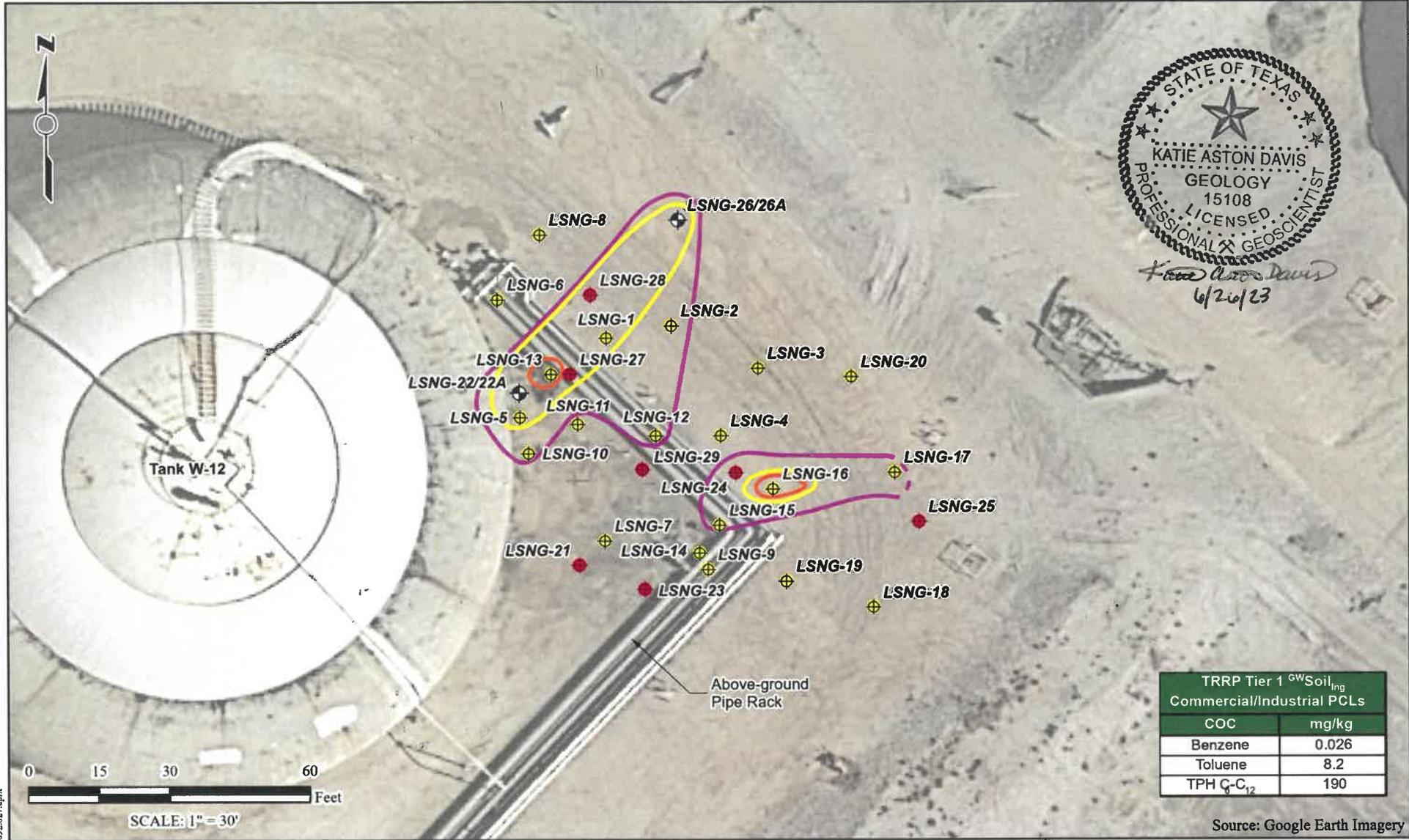
10075 Windfern Rd
Houston, TX 77064
713.230.8436
braunintertec.com

Project No:	01092.027
Drawing No:	F4_GWG March 23
Drawn By:	ZS
Date Drawn:	2/7/2023
Checked By:	AP
Last Modified:	5/3/2023

Targa Galena Park Facility
12510 American Petroleum Road
Houston, Texas

Groundwater Gradient Map
- March 14, 2023

Figure 4



Source: Google Earth Imagery

Legend

- ⊕ LSNG Release Sample Locations (Golder Associates, Inc.)
- Soil Boring Locations (Braun Intertec Corp.)
- ⊕ Temporary Monitoring Well (Braun Intertec Corp.)
- Benzene PCL Exceedance Zone
- Toluene PCL Exceedance Zone
- TPH C₆-C₁₂ Exceedance Zone

Notes:

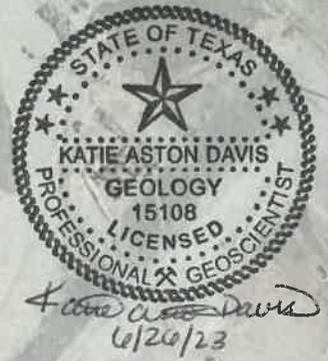
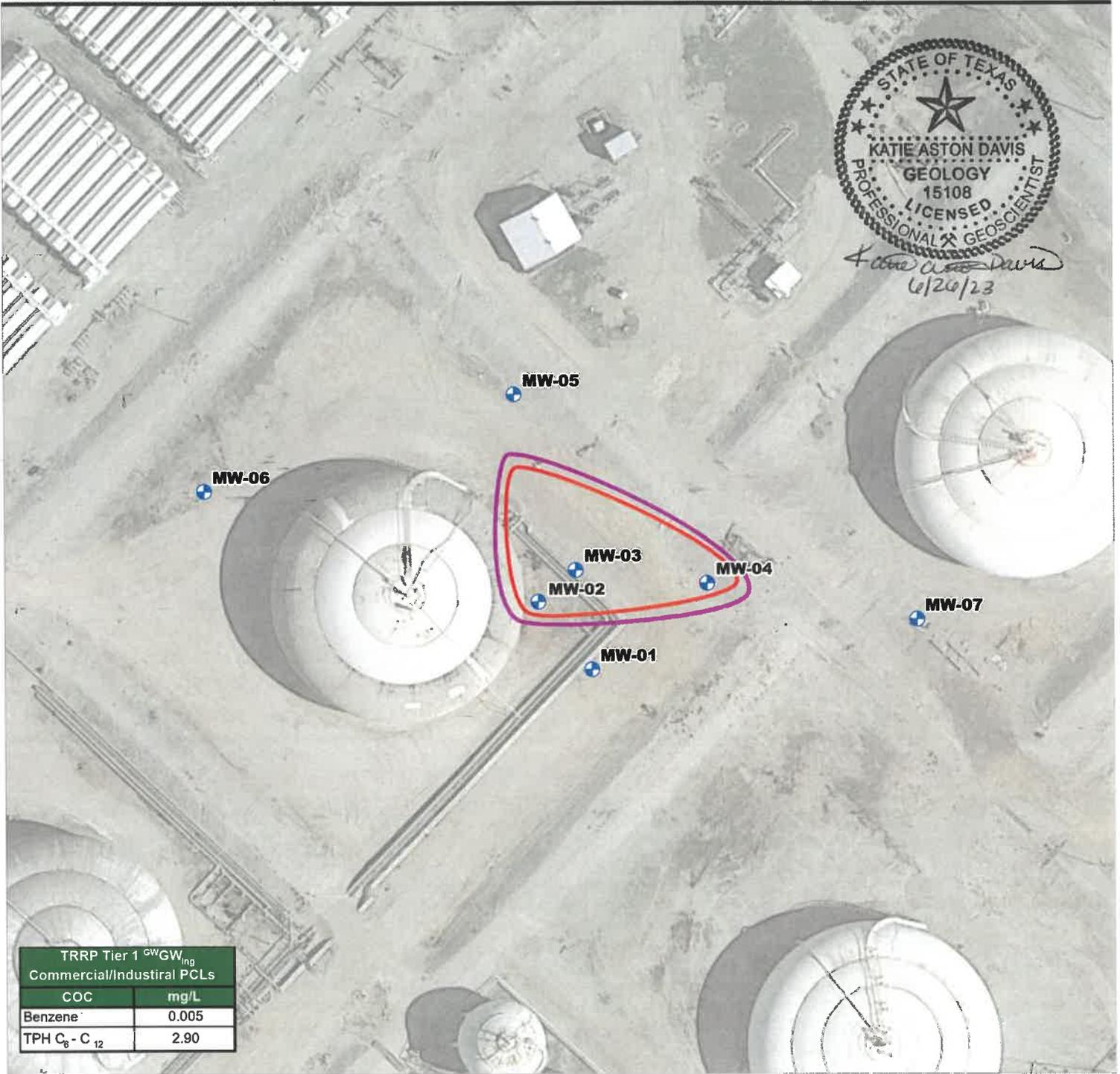
- PCL = Protective concentration level
- COC = Chemical of Concern
- TRRP = Texas Risk Reduction Program

Figure 5
Soil PCLEZ Maps

Targa Galena Park Facility
Houston, Texas



The Science You Build On.

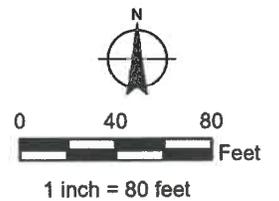


TRRP Tier 1 ^{GW} W _{ing} Commercial/Industrial PCLs	
COC	mg/L
Benzene	0.005
TPH C ₆ -C ₁₂	2.90

Source: Google Earth Imagery

- Monitoring Well
- TPH C₆-C₁₂ PCL Exceedance Zone
- Benzene PCL Exceedance Zone

Notes:
 PCL = Protective concentration level
 COC = Chemical of concern
 TRRP = Texas Risk Reduction Program



10075 Windfern Rd
 Houston, TX 77064
 713.230.8436
 braunintertec.com

Project No:
 01092.027

Drawing No:
 F6_GW PCLEZ

Drawn By: ZS
 Date Drawn: 2/7/2023
 Checked By: AP
 Last Modified: 4/10/2023

Targa Galena Park Facility

12510 American Petroleum Road

Houston, Texas

Groundwater
 PLEZ Map

Figure 6

Appendix D

MUNICIPAL SETTING DESIGNATION APPLICATION

12510 AMERICAN PETROLEUM ROAD
HOUSTON, TEXAS 77015

CHEMICALS OF CONCERN WITHIN DESIGNATED GROUNDWATER INGESTION PCL EXCEEDANCE ZONE

Based on the most recent sampling data, groundwater ingestion PCLEZs exist for the following COCs in the designated groundwater:

- Benzene
- TPH

Groundwater analytical data is provided in **Appendix E, Table 4**. Groundwater analytical data is presented as a comparison of the concentrations of each COC to their respective ingestion and non-ingestion (MSD-adjusted) PCLs.

Benzene

Groundwater Ingestion PCL: 0.005 mg/L

Non-Ingestion PCL (MSD-Adjusted)/^{Air}GW_{Inh-v} PCL: 300 mg/L

Maximum benzene concentration: 11.8 mg/L (MW-02; 12/6/2021)

Density: 0.88 g/cm³

Solubility: 1.79 g/L @ 25 °C

Based on the most recent groundwater monitoring data for respective wells, the groundwater ingestion PCLEZ for benzene is estimated to contain an area of approximately 0.12-acre and is depicted on **Figure 6 of Appendix C**. Depth to groundwater has been recorded for existing monitoring wells since 2021 and has ranged from 8.53 feet (MW-01; July 21, 2021) to 17.24 feet (MW-03; March 16, 2022) bgs. Benzene is somewhat soluble at typical atmospheric conditions (1.79 g/L) and has a density of 0.88 g/cm³. As benzene has a density (0.88 g/cm³), less than that of water (1.00 g/cm³), it is considered a Light non-aqueous phase liquid (LNAPL). Due to the vapor pressure of benzene (95 mm Hg @ 25 °C), it is subject to volatilization when exposed to ambient (surface) conditions. Benzene can be oxidized, given optimal conditions. Due to its relative density and solubility, migration, when occurring, typically follows groundwater flow direction. Historically, concentrations of benzene have been in excess of the ingestion PCL in monitoring wells MW-02 and MW-04 through MW-07. Based on the last three sampling events, concentrations of benzene in excess of the ingestion PCL are present in monitoring wells MW-02 and MW-04.

Benzene can be volatilized and biologically, or chemically, oxidized. The maximum concentration of benzene (11.8 mg/L) was detected in monitoring well MW-02 during the December 2021 monitoring event. There are no non-ingestion PCLEZs for benzene within the Designated Property.

Appendix D

TPH C₆-C₁₂

Groundwater Ingestion PCL: 2.9 mg/L

Non-Ingestion PCL (MSD-Adjusted)/Groundwater-to-air Inhalation (^{Air}GW_{Inh-v}) PCL: 2,500 milligrams per liter (mg/L)

Maximum TPH concentration: 17.0 mg/L (MW-02; 7/21/2021)

Vapor Pressure: 0.00063 to 0.35 standard atmosphere (atm)

Solubility: 0.034-220 grams per liter (g/L) @ 25 °C

Based on the most recent groundwater monitoring data for respective wells, the groundwater ingestion PCLEZ for TPH C₆-C₁₂ is estimated to contain an area of approximately 0.12-acre and is depicted on **Figure 6 of Appendix C**. Depth to groundwater has been recorded for existing monitoring wells since 2021 and has ranged from 8.53 feet (MW-01; July 21, 2021) to 17.24 feet (MW-03; March 16, 2022) below ground surface (bgs). TPH is often partitioned into TPH fractions based on boiling point range. Petroleum hydrocarbons vary in chemical structure and therefore the geochemical properties vary within each boiling point range fraction. The TPH C₆-C₁₂ boiling point range contains both aromatic and aliphatic compounds. Aromatic compounds are typically more water soluble than aliphatic compounds. Hydrocarbons with a lower boiling point range have a higher vapor pressure than hydrocarbons with higher boiling point ranges. Hydrocarbons with a lower boiling point range typically have a lower persistence in the environment than hydrocarbons with a higher boiling point range. Hydrocarbons that make up the TPH C₆-C₁₂ range have a moderate solubility and are more volatile. As these compounds are LNAPLs, migration, where occurring, will typically follow the direction of groundwater flow. Though hydrocarbons within the TPH C₆-C₁₂ boiling point range are more likely to degrade via various means (volatility, natural attenuation, etc.).

The maximum concentration of TPH C₆-C₁₂ (17.0 mg/L) was detected in monitoring well MW-02 during the July 2021 monitoring event. There are no non-ingestion PCLEZs for TPH C₆-C₁₂ within the Designated Property.

TPH C₁₂-C₂₈

Groundwater Ingestion PCL: 2.9 mg/L

Non-Ingestion PCL (MSD-Adjusted)/^{Air}GW_{Inh-v} PCL: 10,000 mg/L

Maximum TPH concentration: 4.76 J mg/L (MW-02; 4/6/2021)

Vapor Pressure: 4.40E-10 to 4.80E-5 atm

Solubility: 0.00076 to 5.8 g/L @ 25 °C

TPH C₁₂-C₂₈ was identified in monitoring wells MW-01 and MW-05 at a concentration exceeding the ingestion PCL during one groundwater monitoring event each on April 6, 2021 and December 5, 2022, respectively. TPH C₁₂-C₂₈ was not detected during any other groundwater monitoring event in monitoring wells MW-01 and MW-05. TPH C₁₂-C₂₈ was detected at a concentration exceeding the ingestion PCL in monitoring well MW-02 on April 6, 2021. TPH C₁₂-C₂₈ was not detected in monitoring well MW-02 during any other groundwater monitoring event with the exception of a minor detection (below the ingestion PCL) on September 28, 2022. In addition, compounds that comprise the TPH C₁₂-C₂₈ boiling point range are not associated with a release of LSNG. As such, detections of TPH C₁₂-C₂₈ appear to be anomalous occurrence and are likely attributable to laboratory error.

Appendix D

The maximum concentration of TPH C₁₂-C₂₈ (4.76 J mg/L) was detected in monitoring well MW-02 during the April 2021 monitoring event. There are no non-ingestion PCLEZs for TPH C₁₂-C₂₈ within the Designated Property.

TPH C₂₈-C₃₅

Groundwater Ingestion PCL: 2.9 mg/L

Non-Ingestion PCL (MSD-Adjusted)/^{Air}GW_{Inh-v} PCL: 10,000 mg/L

Maximum TPH concentration: 6.90 J mg/L (MW-02; 4/6/2021)

Density: 4.40E-10 to 1.10E-05 atm

Solubility: 0.0000025-0.0066 g/L @ 25 °C

TPH C₂₈-C₃₅ was identified in monitoring wells MW-01 and MW-05 at a concentration exceeding the ingestion PCL during one groundwater monitoring event each on April 6, 2021 and December 5, 2022, respectively. TPH C₂₈-C₃₅ was not detected in monitoring wells MW-01 and MW-05 during any other groundwater monitoring events. TPH C₂₈-C₃₅ was detected at a concentration exceeding the ingestion PCL in monitoring well MW-02 on April 6, 2021. TPH C₂₈-C₃₅ was not detected in monitoring well MW-02 during any other groundwater monitoring event with the exception of a detection below the ingestion PCL on September 28, 2023. In addition, compounds that comprise the TPH C₂₈-C₃₅ boiling point range are not associated with a release of LSNG. As such, detections of TPH C₂₈-C₃₅ appear to be anomalous occurrence and are likely attributable to laboratory error.

The maximum concentration of TPH C₂₈-C₃₅ (6.90 J mg/L) was detected in monitoring well MW-02 during the April 2021 monitoring event. There are no non-ingestion PCLEZs for TPH C₂₈-C₃₅ within the Designated Property.

Appendix E

MUNICIPAL SETTING DESIGNATION APPLICATION

**12510 AMERICAN PETROLEUM ROAD
HOUSTON, TEXAS 77015**

CHEMICALS OF CONCERN

Soil analytical data for COCs identified at the Designated Property is provided in **Tables 1** and **2**. For locations of all soil samples, refer to **Figure 3B** in **Appendix C**.

Soil analytical data were compared to Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Tier 1 commercial/industrial PCLs for the purposes of critical PCL (cPCL) development. The ingestion PCL for both surface and subsurface soil is the commercial/industrial soil-to-groundwater ingestion (^{GW}Soil_{Ing}) PCL. The non-ingestion PCL for surface soil (0-5 feet bgs) is the commercial/industrial total-soil-combined (^{Tot}Soil_{Comb}) PCL and the non-ingestion PCL for subsurface soil (>5 feet bgs) is the commercial/industrial air-inhalation (^{Air}Soil_{Inh-v}) PCL.

Soil COCs exceeding the commercial/industrial ^{GW}Soil_{Ing} PCL are listed in the below table:

Soil Analytical Data

Sample ID	Depth (ft.)	COC	^{GW} Soil _{Ing} (Ingestion PCL)	^{Tot} Soil _{Comb} (Surface Soil Non-Ingestion PCL)	^{Air} Soil _{Inh-v} (Subsurface Soil Non-Ingestion PCL)	Max Conc.
LSNG-13	2-2.5	Benzene	0.026	240	270	52
LSNG-13	2-2.5	TPH C ₆ -C ₁₂	190	3,900	4,300	2,400
LSNG -13	2-2.5	Toluene	8.2	42,000	88,000	46
Bold PCL values indicate the ingestion PCL, which is the cPCL for soil without an MSD.						
Bold/Shaded PCL values indicate the non-ingestion PCLs for surface (0-5 feet) or subsurface soil (>5 feet).						
All values presented in milligrams per kilogram (mg/kg).						

There are no non-ingestion soil PCL exceedances at the Designated Property.

Groundwater elevation and analytical data for COCs identified at the Designated Property are provided in **Tables 3** and **4**. Locations of Site-associated monitoring wells are depicted on **Figure 3B** in **Appendix C**.

Groundwater analytical data was compared to TCEQ-TRRP Tier 1 commercial/industrial PCLs for purposes of cPCL development. For the applicable COCs, ingestion PCLs for groundwater are represented by commercial/industrial groundwater ingestion (^{GW}GW_{Ing}) PCLs; non-ingestion groundwater PCLs are represented by the TCEQ TRRP Tier 1 commercial/industrial groundwater-to-air inhalation (^{Air}GW_{Inh-v}) PCLs.

Groundwater COCs exceeding the commercial/industrial ingestion PCL are listed in the below table:

Appendix E

Groundwater Analytical Data

COC	^{GW} GW _{ing} (Ingestion PCL)	^{Air} GW _{inh-v} (Non-Ingestion PCL)	Maximum Concentration
TPH C ₆ -C ₁₂	2.9	2,500	17.0
TPH C ₁₂ -C ₂₈	2.9	10,000	4.76 J
TPH C ₂₈ -C ₃₅	2.9	10,000	6.90 J
Benzene	0.005	300	11.8
Bold PCL values indicate the ingestion PCL, which is the cPCL for groundwater without an MSD.			
All values presented in milligrams per liter (mg/L).			

There are no non-ingestion groundwater PCL exceedances at the Designated Property.

**TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS - BTEX & TPH**

*Targa Galena Park Facility
12510 Petroleum Road
Houston, Texas*

Sample ID ¹	Date Collected	Sample Depth (feet)	PID Reading	BTEX ² (mg/kg)				Total Petroleum Hydrocarbons ³ (mg/kg)		
				Benzene	Toluene	Ethylbenzene	Xylenes	C ₆ -C ₁₂	C ₁₂ -C ₂₈	C ₂₈ -C ₃₅
Samples Collected by Golder Associates										
LSNG-NonAffected	7/24/2020	0 - 1	1.7	0.021	0.020	0.00073	0.0033	<11	<14	<14
LSNG-1	7/24/2020	0 - 1	410.5	5.7	5.9	0.46	2.6	510	<20	<20
LSNG-2	7/24/2020	0 - 1	148.5	0.11	0.077	0.0046	0.024	16	<18	<18
LSNG-3	7/24/2020	0 - 1	0.0	0.0029	0.0016	<0.00057	<0.00081	<17	<22	<22
LSNG-4	7/24/2020	0 - 1	34.0	0.0012	0.0016	<0.00068	0.026	<14	<19	<19
LSNG-5	7/24/2020	0 - 1	372.2	4.9	4.7	0.34	2.2	340	31.0	<21
LSNG-6	7/24/2020	0 - 1	6.9	<0.00053	<0.00064	<0.00075	<0.0011	<15	<20	<20
LSNG-7	7/24/2020	0 - 1	1.8	0.0037	0.0095	<0.00083	<0.0012	<21	<28	<28
LSNG-8	7/24/2020	0 - 1	0.0	<0.00043	0.0029	<0.00060	<0.00086	<16	<21	<21
LSNG-9	7/24/2020	0 - 1	29.7	0.018	0.0094	<0.00061	0.0063	<13	<18	<18
LSNG-North Corner	8/3/2020	0 - 1	1.5	<0.00025	<0.00030	<0.00035	<0.00050	<8.2	<11	<11
LSNG-10	8/3/2020	1 - 1.5	15.8	0.68	0.014	<0.00035	<0.00050	<6.3	<8.2	<8.2
LSNG-11	8/3/2020	1 - 1.5	18.2	0.023	<0.00035	0.0017	0.0056	<6.8	<9.0	<9.0
LSNG-12	8/3/2020	2 - 2.5	391.4	1.3	0.69	0.041	0.14	24 J	<15	<15
LSNG-13	8/3/2020	2 - 2.5	224.9	52	46	2.8	12	2,400	<50	<50
LSNG-14	8/3/2020	1 - 1.5	5.7	0.0070	<0.00044	<0.00052	<0.00074	<7.5	<9.9	<9.9
LSNG-15	8/3/2020	1.5 - 2	72.3	0.80	0.97	0.0048	0.032	15	<15	<15
LSNG-16	10/14/2020	1.0 - 1.5	433.9	NA	NA	NA	NA	NA	NA	NA
		1.5 - 2.5	53	NA	NA	NA	NA	NA	NA	NA
		2.5 - 3.5	54	NA	NA	NA	NA	NA	NA	NA
		3.5 - 4.5	42.6	NA	NA	NA	NA	NA	NA	NA
		4.5 - 5.5	66.5	NA	NA	NA	NA	NA	NA	NA
		5.5 - 6.5	428	0.81	0.34	0.017	0.061	31	<24	<24
		6.5 - 7.5	123.4	NA	NA	NA	NA	NA	NA	NA
		7.5 - 8.5	424.4	NA	NA	NA	NA	NA	NA	NA
		8.5 - 9.5	321.2	NA	NA	NA	NA	NA	NA	NA
LSNG-17	10/14/2020	1 - 2	3.0	NA	NA	NA	NA	NA	NA	NA
		2 - 3	6.8	0.0028	<0.00089	<0.0010	<0.0015	<18	<23	<23
		3 - 4	10.4	NA	NA	NA	NA	NA	NA	NA
		4 - 5	16.7	0.036	0.013	0.0013	0.0055	<17	<22	<22
LSNG-18	10/15/2020	0 - 1	0.4	NA	NA	NA	NA	NA	NA	NA
		1 - 2	8.1	NA	NA	NA	NA	NA	NA	NA
		2 - 3	29.9	<0.00056	<0.00067	<0.00079	<0.0011	<14	<19	<19
		3 - 4	18.7	<0.00047	<0.00057	<0.00066	<0.00095	<12	<16	<16
LSNG-19	10/15/2020	0 - 1	3.1	NA	NA	NA	NA	NA	NA	NA
		1 - 2	5.3	NA	NA	NA	NA	NA	NA	NA
		2 - 3	20.8	<0.00044	<0.00053	<0.00061	<0.00088	<12	<16	<16
		3 - 4	11.6	<0.00060	<0.00072	<0.00084	<0.0012	<15	<20	<20
LSNG-20	10/15/2020	0 - 1	0.0	NA	NA	NA	NA	NA	NA	NA
		1 - 2	0.8	NA	NA	NA	NA	NA	NA	NA
		2 - 2.5	0.2	<0.00061	<0.00073	<0.00085	<0.0012	<19	<25	<25
LSNG-21	10/15/2020	0 - 1	9.6	NA	NA	NA	NA	NA	NA	NA
		1 - 2	30.1	0.014	<0.00067	<0.00078	<0.0011	<16	<21	<21
		2 - 3	6.9	NA	NA	NA	NA	NA	NA	NA
		3 - 4	14.7	0.0042	0.0031	<0.00058	<0.00083	<13	<17	<17

**TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS - BTEX & TPH**

**Targa Galena Park Facility
12510 Petroleum Road
Houston, Texas**

Sample ID ¹	Date Collected	Sample Depth (feet)	PID Reading	BTEX ² (mg/kg)				Total Petroleum Hydrocarbons ³ (mg/kg)		
				Benzene	Toluene	Ethylbenzene	Xylenes	C ₆ -C ₁₂	C ₁₂ -C ₂₈	C ₂₈ -C ₃₅
Samples Collected by Braun Intertec Corp										
LSNG-22	11/9/2020	2.5 - 3.5	184.6	3.39 DX	0.878 DX	0.0151	0.0610	<20.2	<20.2	<20.2
<i>DUP-01</i>		2.5 - 3.5	<i>184.6</i>	<i>2.74 D</i>	<i>1.13 D</i>	<i>0.0159</i>	<i>0.0708</i>	NA		
LSNG-22		6.5 - 7.5	11.5	0.525 D	0.131	0.00652	0.0295	<17.7	<17.7	<17.7
<i>DUP-02</i>		10.5 - 11.5	9.0	0.489 D	0.0781	0.00500	0.0242	22.1 J	<21.1	<21.1
		<i>10.5 - 11.5</i>	<i>9.0</i>	<i>0.334 D</i>	0.104	0.00192	0.00858	NA		
LSNG-22A	12/8/2020	12 - 13	1,837	0.216	0.415	0.0476	0.2010	366	<28.2	<28.2
<i>DUP-01</i>		<i>12 - 13</i>	<i>1,837</i>	<i>0.802</i>	<i>1.82</i>	<i>0.183</i>	<i>0.7990</i>	NA		
LSNG-22A		14 - 15	19.3	0.118	0.276 E	0.0307	0.135	<22.5	<22.5	<22.5
		16 - 17	39.4	0.0184	<0.000999	0.000449 J	<0.000799	NA		
LSNG-23	11/9/2020	2.5 - 3.5	2.6	0.000561 J	<0.000985	<0.000331	<0.000788	<18.4	<18.4	<18.4
		4.5 - 5.5	6.6	0.000567 J	<0.000944	<0.000317	<0.000755	<21.8	<21.8	<21.8
LSNG-24	11/10/2020	1 - 2	20.0	0.0635	0.0126	0.00175	0.001620	<20.5	<20.5	<20.5
		8 - 9	836.8	2.08 D	0.113	0.00654	0.02271	<24.5	<24.5	<24.5
		9.5 - 10.5	1,037	0.0153	0.0136	0.00302	0.01159	18.5 J	<16.2	<16.2
LSNG-25	11/9/2020	0 - 1	5.2	0.00563	<0.000911	<0.000306	<0.000729	<17.4	<17.4	<17.4
		5 - 6	4.5	0.000836 J	<0.000890	<0.000299	<0.000712	<17.8	<17.8	<17.8
LSNG-26	11/10/2020	0 - 1	10.2	0.0244	<0.000908	0.00192	<0.000726	<19.4	<19.4	<19.4
		8.5 - 9.5	132.4	2.88	<0.0214	0.451	0.2160	44.2 J	<24.7	<24.7
		9 - 9.5	765	0.0519	<0.000961	0.0312	0.07833	49.1	<18.9	<18.9
LSNG-26A	12/8/2020	9.5 - 10.5	2,203	6.15 D	<0.0258	1.44	4.652	512	<33.5	<33.5
		11.5 - 12.5	2,078	0.127	<0.00106	0.0610	0.0148	44.0 J	<23.0	<23.0
		13.5 - 14.5	330.5	0.010	NA	0.000746 J	<0.00108	<21.4	NA	
MW-05	4/1/2021	4 - 5	1.3	<0.000233	NA		<26.3	NA		
<i>DUP-01</i>		<i>4 - 5</i>	<i>1.3</i>	<i><0.000260</i>	NA		<27.1	NA		
MW-05		9.5 - 10.5	0.7	<0.000221	NA		<25.9	NA		
MW-06	4/2/2021	0-1	0.1	<0.000208	NA		<23.9	NA		
Tier 1 Residential ^{GW} Soil _{Ing} PCL ⁴				0.026	8.2	7.6	120	65	200	200
Tier 1 Residential ^{Tot} Soil _{Comb} PCL ⁵				120	5,900	6,400	6,000	1,600	2,300	2,300
Tier 1 Residential ^{Air} Soil _{Inh-v} ⁶				160	63,000	29,000	9,400	3,100	15,000	15,000
Tier 1 Commercial/Industrial ^{GW} Soil _{Ing} PCL ⁷				0.026	8.2	7.6	120	190	590	590
Tier 1 Commercial/Industrial ^{Tot} Soil _{Comb} PCL ⁸				240	42,000	29,000	12,000	3,900	12,000	12,000
Tier 1 Commercial/Industrial ^{Air} Soil _{Inh-v} PCL ⁹				270	88,000	41,000	13,000	4,300	21,000	21,000

Notes:

- ¹Samples collected by Golder Associates and analyzed by ALS Laboratories, Inc. in Houston, Texas and Braun Intertec Corp., and analyzed by Eurofins Xenco Laboratories in Houston, Texas.
 - ²Benzene, toluene, ethylbenzene, and xylenes (BTEX) analyzed by U.S. Environmental Protection Agency (EPA) Method 5035/8260.
 - ³Total petroleum hydrocarbons (TPH) analyzed by Texas Method 5035/1005.
 - ⁴Texas Commission on Environmental Quality (TCEQ) Texas Risk-Reduction Program (TRRP) Tier 1 residential groundwater-soil ingestion (^{GW}Soil_{Ing}) protective concentration level (PCL) for a 0.5-acre source area.
 - ⁵TCEQ TRRP Tier 1 residential total soil combined (^{Tot}Soil_{Comb}) PCL for a 0.5-acre source area for surface soil (0-15 feet below ground surface).
 - ⁶TCEQ TRRP Tier 1 residential soil to air inhalation (^{Air}Soil_{Inh-v}) PCL for a 0.5-acre source area.
 - ⁷TCEQ TRRP Tier 1 commercial/industrial ^{GW}S
 - ⁸TCEQ TRRP Tier 1 commercial/industrial ^{Tot}Soil_{Comb} PCL for a 0.5-acre source area.
 - ⁹TCEQ TRRP Tier 1 commercial/industrial ^{Air}Soil_{Inh-v} PCL for a 0.5-acre source area.
- Bold** sample value indicates the sample result exceeds the TRRP Tier 1 Commercial/Industrial ^{GW}Soil_{Ing} PCL.
- Bold** regulatory value indicates the critical PCL without an MSD.
- Italicized* sample data indicates sample duplicate data (DUP).
- (NA) Sample was not analyzed for the associated analyte.
- (NE) A regulatory value has not been established.
- (E) The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- (D) The sample was diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. The result is from a diluted sample.
- (X) MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix/chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration.
- (J) The identification of the analyte is acceptable; the reported value is an estimate.
- All sample results are reported in milligrams per kilograms (mg/kg).

TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS - SPLP - Benzene

Targa Galena Park Facility
12510 Petroleum Road
Houston, Texas

Sample ID ¹	Date Collected	Sample Depth (feet)	SPLP ² (mg/L)
			Benzene
LSNG-27	3/31/2022	2-2.5	0.00850
		4.5-5	0.00544
		6-6.5	<0.000214
LSNG-28	3/31/2022	2-2.5	0.00236
		4.5-5	0.00256
LSNG-29	3/31/2022	2-2.5	0.00469
		4.5-5	0.00437
Tier 1 Residential ^{GW} GW _{Ing} PCL ³			0.005
Tier 1 Residential ^{Air} GW _{Inh-v} PCL ⁴			180
Tier 1 C/I ^{GW} GW _{Ing} PCL ⁵			0.005
Tier 1 C/I ^{Air} GW _{Inh-v} PCL ⁶			300

Notes:

¹Samples collected by Braun Intertec Corp were analyzed by Eurofins Xenco Laboratories in Houston, Texas.

²Synthetic precipitation leaching procedure (SPLP) analyzed by U.S. Environmental Protection Agency (EPA) Method 8260C.

³Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Tier 1 residential groundwater ingestion (GW_{Ing}) protective concentration level (PCL) for a Class 1 or 2 groundwater resource.

⁴TCEQ TRRP Tier 1 residential groundwater-to-air inhalation (^{Air}GW_{Inh-v}) residential PCL for a Class 1 or 2 groundwater resource.

⁵TCEQ TRRP Tier 1 commercial/industrial (C/I) ^{GW}GW_{Ing} PCL for Class 1 or 2 groundwater resource.

⁶TCEQ TRRP Tier 1 C/I ^{Air}GW_{Inh-v} PCL for a Class 1 or 2 groundwater resource.

Bold sample value indicates the associated analyte was detected at a concentration exceeding the Tier 1 Commercial/Industrial ^{GW}GW_{Ing} PCL.

Bold regulatory value indicates the critical PCL without an MSD.

All sample results are reported in milligrams per liter (mg/L).

**TABLE 3
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS**

*Targa Galena Park Facility
12510 American Petroleum Road
Houston, Texas*

Well ID	Date	Screened Interval BTOC (feet)	TOC Elevation (feet)	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-01	4/6/2021	8-18	99.81	15.91	--	--	83.90
	7/21/2021			8.53	--	--	91.28
	9/30/2021			9.41	--	--	90.40
	12/6/2021			13.24	--	--	86.57
	3/16/2022			15.14	--	--	84.67
	6/22/2022			14.95	--	--	84.86
	9/28/2022			13.68	--	--	86.13
	12/5/2022			10.93	--	--	88.88
	3/14/2023			14.61	--	--	85.20
MW-02	4/6/2021	10-20	101.49	16.94	--	--	84.55
	7/21/2021			12.20	--	--	89.29
	9/30/2021			12.92	--	--	88.57
	12/6/2021			15.66	--	--	85.83
	3/16/2022			16.77	--	--	84.72
	6/22/2022			16.84	--	--	84.65
	9/28/2022			16.14	--	--	85.35
	12/5/2022			14.14	--	--	87.35
	3/14/2023			16.86	--	--	84.63
MW-03	4/6/2021	8-18	100.67	16.55	16.21	0.34	84.46
	7/21/2021			12.37	11.19	1.18	89.48
	9/30/2021			13.16	11.75	1.41	88.92
	12/6/2021			16.08	14.52	1.56	86.15
	3/16/2022			17.24	15.37	1.87	85.30
	6/22/2022			16.15	16.10	0.05	84.57
	9/28/2022			15.65	15.43	0.22	85.24
	12/5/2022			13.58	13.46	0.12	87.21
	3/14/2023			16.15	--	--	84.52 ¹

**TABLE 3
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS**

*Targa Galena Park Facility
12510 American Petroleum Road
Houston, Texas*

Well ID	Date	Screened Interval BTOC (feet)	TOC Elevation (feet)	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-04	4/6/2021	8-18	100.71	16.60	--	--	84.11
	7/21/2021			12.08	--	--	88.63
	9/30/2021			12.70	--	--	88.01
	12/6/2021			15.38	--	--	85.33
	3/16/2022			16.23	--	--	84.48
	6/22/2022			16.55	--	--	84.16
	9/28/2022			15.81	--	--	84.90
	12/5/2022			13.86	--	--	86.85
	3/14/2023			16.43	--	--	84.28
MW-05	4/6/2021	10-20	100.82	15.35	--	--	85.47
	7/21/2021			11.24	--	--	89.58
	9/30/2021			12.12	--	--	88.70
	12/6/2021			14.25	--	--	86.57
	3/16/2022			15.38	--	--	85.44
	6/22/2022			15.24	--	--	85.58
	9/28/2022			14.57	--	--	86.25
	12/5/2022			12.91	--	--	87.91
	3/14/2023			14.94	--	--	85.88
MW-06	4/6/2021	10-20	101.30	15.82	--	--	85.48
	7/21/2021			12.13	--	--	89.17
	9/30/2021			12.74	--	--	88.56
	12/6/2021			14.84	--	--	86.46
	3/16/2022			16.04	--	--	85.26
	6/22/2022			15.87	--	--	85.43
	9/28/2022			16.29	--	--	85.01
	12/5/2022			13.78	--	--	87.52
	3/14/2023			15.58	--	--	85.72

TABLE 3
SUMMARY OF GROUNDWATER LEVEL MEASUREMENTS

Targa Galena Park Facility
12510 American Petroleum Road
Houston, Texas

Well ID	Date	Screened Interval BTOC (feet)	TOC Elevation (feet)	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	Groundwater Elevation (feet)
MW-07	9/30/2021	7-17	97.02	9.97	--	--	87.05
	12/6/2021			12.31	--	--	84.71
	3/16/2022			12.86	--	--	84.16
	6/22/2022			13.44	--	--	83.58
	9/28/2022			12.67	--	--	84.35
	12/5/2022			10.98	--	--	86.04
	3/14/2023			13.20	--	--	83.82

Notes:

(MW) Monitoring well.

(BTOC) Below top of casing.

(TOC) Top-of-casing measured relative to a common 100 foot benchmark.

(LNAPL) Light non-aqueous phase liquid.

¹LNAPL was visually observed in monitoring well MW-03 during the March 14, 2023 sampling event. However, due to an interface probe malfunction no product was detected during gauging.

**TABLE 4
GROUNDWATER DATA SUMMARY**

*Targa Galena Park Facility
12510 American Petroleum Road
Houston, Texas*

Sample ID ¹	Date Collected	BTEX ² (mg/L)				TPH ³ (mg/L)		
		Benzene	Ethylbenzene	Toluene	Total Xylene	C ₆ -C ₁₂	C ₁₂ -C ₂₈	C ₂₈ -C ₃₅
LSNG-22A*	12/8/2020	0.249 D	0.00652	0.182 D	0.0278	2.18 J	1.90 J	<0.816
LSNG-26A*	12/8/2020	10.4 D	0.655 D	0.00262	0.242	19.7	0.833 J	<0.791
MW-01	4/6/2021	<0.000214	<0.000146	<0.000500	<0.000330	2.22 J	3.27 J	1.14 J
	7/21/2021	0.00325	<0.000137	<0.000278	<0.000174	<0.600	<0.600	<0.600
	9/30/2021	0.00255	<0.00100	<0.00100	<0.00300	<0.900	<0.900	<0.900
	12/06/2021	0.000570 J	<0.000137	<0.000278	<0.000174	<0.600	<0.600	<0.600
	3/16/2022	<0.000214	<0.000515	<0.000500	<0.000330	<0.827	<0.807	<0.807
	6/22/2022	<0.0000941	<0.000137	<0.000278	<0.000174 J3	<0.600	<0.600	<0.600
	9/28/2022	0.000588 J	<0.000137	0.000596 J	0.00145 J	<0.600	<0.600	<0.600
	12/07/2022	0.000395 J	<0.000137	0.000372 J	<0.000174	<0.600	<0.600	<0.600
	3/14/2023	0.000594 J	<0.000137	<0.000278	<0.000174	<0.600	<0.600	<0.600
MW-02	4/6/2021	2.07	0.00738	0.0964	0.0337	3.98 J	4.76 J	6.90 J
		<i>1.76</i>	<i>0.00728</i>	<i>0.0801</i>	<i>0.0264</i>	<i>Not Analyzed</i>		
	7/21/2021	10.4	0.0514	0.195	0.178	17.0	<0.600	<0.600
		<i>10.1</i>	<i>0.0441</i>	<i>0.161</i>	<i>0.150</i>	<i>Not Analyzed</i>		
	9/30/2021	10.7	0.0288	0.0434	0.130	14.0	<0.900	<0.900
	12/06/2021	11.8	0.0400 J	0.0669 J	0.146 J	16.9	<0.600	<0.600
		<i>9.83</i>	<i>0.0351</i>	<i>0.0450</i>	<i>0.151</i>	<i>Not Analyzed</i>		
	3/16/2022	5.67	0.0242	0.0481	0.105	12.3	<0.809	<0.809
		<i>5.99</i>	<i>0.0246</i>	<i>0.0481</i>	<i>0.106</i>	<i>Not Analyzed</i>		
	6/22/2022	9.50	0.0421 J	0.150	0.186 J3	12.6	<0.600	<0.600
		<i>9.67</i>	<i>0.0446 J</i>	<i>0.157</i>	<i>0.208 J3</i>	<i>Not Analyzed</i>		
	9/28/2022	11.0	0.0521	0.0346	0.210	14.9	0.679 J	0.715 J
		<i>10.8</i>	<i>0.0536</i>	<i>0.0359</i>	<i>0.214</i>	<i>Not Analyzed</i>		
	12/07/2022	11.5	0.0523 J	<0.0278	0.213 J	15.7	<0.600	<0.600
		<i>11.9</i>	<i>0.0449 J</i>	<i><0.0278</i>	<i>0.211 J</i>	<i>Not Analyzed</i>		
3/14/2023	8.15	0.0461	0.0141	0.198	14.2	<0.600	<0.600	
	<i>9.35</i>	<i>0.0558</i>	<i>0.0162</i>	<i>0.243</i>	<i>Not Analyzed</i>			
MW-03	4/6/2021	Not sampled due to presence of LNAPL						
	7/21/2021							
	9/30/2021							
	12/06/2021							
	3/16/2022							
	6/22/2022							
	9/28/2022							
MW-04	4/6/2021	0.204	0.00652	0.00342	0.0185	1.82 J	<0.785	<0.785
	7/21/2021	0.275	0.0655	0.00430	0.191	2.81	<0.600	<0.600
	9/30/2021	0.624	0.00641	0.107	0.294	4.07	<0.900	<0.900
	12/06/2021	0.677	0.0324	0.00794	0.117	2.96	<0.600	<0.600
	3/16/2022	0.899	0.0206	0.0116	0.0477	3.01 J	<0.787	<0.787
	6/22/2022	0.787	0.0170	0.00734 J	0.0406 J3	1.98	<0.600	<0.600
	9/28/2022	1.24	0.0580	0.0123	0.180	3.04	<0.600	<.600
	12/07/2022	0.510	0.0295	0.00286 J	0.0977	1.39	<0.600	<0.600
	3/14/2023	0.655	0.0231	0.00770	0.0727	1.50	<0.600	<0.600
MW-05	4/6/2021	0.111	0.00151	0.0178	0.00598 J	0.893 J	<0.817	<0.817
	7/21/2021	0.000488 J	<0.000137	<0.000278	<0.000174	<0.600	<0.600	<0.600
	9/30/2021	0.00188	0.000293 J	<0.00100	0.000199 J	<0.900	<0.900	<0.900
	12/06/2021	0.000511 J	<0.000137	<0.000278	0.000207 J	<0.600	<0.600	<0.600
	3/16/2022	<0.000214	<0.000515	<0.000500	<0.000330	<0.802	<0.782	<0.782
	6/22/2022	<0.0000941	<0.000137	<0.000278	<0.000174 J3	<0.600	<0.600	<0.600
	9/28/2022	0.00224	0.000143 J	0.000413 J	0.00111 J	<0.600	<0.600	<0.600
	12/07/2022	0.000233 J	<0.000137	<0.000278	<0.000174	<0.600	1.32	1.42
	3/14/2023	0.000562 J	<0.000137	<0.000278	<0.000174	<0.600	<0.600	<0.600

**TABLE 4
GROUNDWATER DATA SUMMARY**

*Targa Galena Park Facility
12510 American Petroleum Road
Houston, Texas*

Sample ID ¹	Date Collected	BTEX ² (mg/L)				TPH ³ (mg/L)		
		Benzene	Ethylbenzene	Toluene	Total Xylene	C ₆ -C ₁₂	C ₁₂ -C ₂₈	C ₂₈ -C ₃₅
MW-06	4/6/2021	0.0383	0.000714 J	0.00694	0.00145 J	<0.840	<0.819	<0.819
	7/21/2021	0.000269 J	<0.000137	<0.000278	<0.000174	<0.600	<0.600	<0.600
	9/30/2021	0.000349 J	<0.00100	<0.00100	<0.00300	<0.900	<0.900	<0.900
	12/06/2021	0.00630	0.000611 J	0.00267	0.00209 J	<0.600	<0.600	<0.600
	3/16/2022	<0.000214	<0.000515	<0.000500	<0.000330	<0.832	<0.812	<0.812
	6/22/2022	0.000221 J	<0.000137	<0.000278	<0.000174 J3	<0.600	<0.600	<0.600
	9/28/2022	0.000360 J	<0.000137	<0.000278	0.000659 J	<0.600	<0.600	<0.600
	12/07/2022	0.000161 J	<0.000137	<0.000278	<0.000174	<0.600	<0.600	<0.600
	3/14/2023	<0.0000941	<0.000137	<0.000278	<0.000174	<0.600	<0.600	<0.600
MW-07	9/30/2021	0.000781 J	<0.00100	<0.00100	<0.00300	<0.900	<0.900	<0.900
	12/06/2021	0.0207	0.00141	0.00774	0.00635	<0.600	<0.600	<0.600
	3/16/2022	0.00935	<0.000515	0.00204	0.00200 J	<0.835	<0.814	<0.814
	6/22/2022	<0.0000941	<0.000137	<0.000278	<0.000174 J3	<0.600	<0.600	<0.600
	9/28/2022	0.000138 J	<0.000137	<0.000278	0.000389 J	<0.600	<0.600	<0.600
	12/07/2022	<0.0000941	<0.000137	<0.000278	<0.000174	<0.600	<0.600	<0.600
	3/14/2023	<0.0000941	<0.000137	<0.000278	<0.000174	<0.600	<0.600	<0.600
Tier 1 Residential ^{GW} GW _{Ing} PCL ⁴		0.005	0.7	1.0	10	0.98	0.98	0.98
Tier 1 Residential ^{Air} GW _{Inh-v} PCL ⁵		180	30,000	64,000	10,000	1,800	7,500	7,500
Tier 1 C/I ^{GW} GW _{Ing} PCL ⁶		0.005	0.7	1.0	10	2.9	2.9	2.9
Tier 1 C/I ^{Air} GW _{Inh-v} PCL ⁷		300	42,000	89,000	14,000	2,500	10,000	10,000

Notes:

¹Samples collected by Braun Intertec Corporation in April 2021 and March 2022 analyzed by Eurofins Xenco, LLC in Houston, Texas. Samples collected by Braun Intertec Corporation in July 2021, September 2021, December 2021, and June 2022 analyzed by Pace Analytical in Mount Juliet, Tennessee.

²Benzene, toluene, ethylbenzene, and xylenes (BTEX) analyzed by U.S. Environmental Protection Agency (EPA) Method 8260.

³Total petroleum hydrocarbons (TPH) analyzed by Texas Method 1005.

⁴Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Tier 1 residential groundwater ingestion (^{GW}GW_{Ing}) protective concentration level(PCL) for Class 1 or 2 groundwater resource.

⁵TCEQ TRRP Tier 1 residential groundwater-to-air inhalation (^{Air}GW_{Inh-v}) residential PCL for a Class 1 or 2 groundwater resource.

⁶TCEQ TRRP Tier 1 commercial/industrial (C/I) ^{GW}GW_{Ing} PCL for Class 1 or 2 groundwater resource.

⁷TCEQ TRRP Tier 1 C/I ^{Air}GW_{Inh-v} PCL for a Class 1 or 2 groundwater resource.

Italicized sample data indicates sample duplicate data.

(*) Denotes a temporary groundwater monitoring well.

(J) The target analyte was positively identified below the quantitation limit and above the detection limit.

(D) The sample(s) were diluted due to targets detected over the highest calibration curve, or due to matrix interference.

Bold sample value indicates the associated analyte was detected at a concentration exceeding the Tier 1 Commercial/Industrial ^{GW}GW_{Ing} PCL.

Bold regulatory value indicates the critical PCL without an MSD.

All values reported in milligrams per liter (mg/L).

Appendix F

MUNICIPAL SETTING DESIGNATION APPLICATION

**12510 AMERICAN PETROLEUM ROAD
HOUSTON, TEXAS 77015**

STATEMENT ON GROUNDWATER PLUME EXTENDING OFF-SITE

The groundwater plume is contained on the Designated Property.

Appendix G

MUNICIPAL SETTING DESIGNATION APPLICATION

12510 AMERICAN PETROLEUM ROAD
HOUSTON, TEXAS 77015

STATEMENT REGARDING PLUME STABILITY

Based on the investigations completed to date, concentrations of TPH C₆-C₁₂ and benzene in groundwater appear to be stable. This statement is based on the evaluation of collected groundwater analytical data, that began in 2021, and the absence of an active source at the Site. Additional information regarding potential sources is provided in **Appendix J**. Evidence of delineation is provided by direct collection and analysis of groundwater samples.

The benzene plume is delineated by monitoring wells MW-05, MW-07, MW-01, and MW-06 to the north, east, south, and west, respectively. Concentrations of benzene have been below the groundwater ingestion PCL in monitoring wells MW-05, MW-07, MW-01, and MW-06 during the previous three groundwater monitoring events. Mann-Kendall trend analysis for the mean benzene concentration from all monitoring wells across the Site from the first groundwater sampling event on April 4, 2021 through the most recent event on March 13, 2023, indicates statistically significant evidence of a decreasing trend at the specified level of significance (p-value 0.0143).

Though COC concentrations identified at the Site in surface soils do not exceed MSD-adjusted Tier 1 commercial/industrial cPCLs, the property owner opted to remove surface soils containing elevated benzene concentrations proximal to the release point to prevent migration of COCs from the soil to the groundwater bearing unit. Soil removal activities were performed for groundwater protectiveness/stability through direct source removal, which satisfies the City of Houston MSD eligibility requirements (Chapter 47 of the Code of Ordinances, Article XIII). In March 2022, to further evaluate surface soil in the source area for soil removal, surface soil samples were analyzed for benzene via the synthetic precipitation leaching procedure (SPLP) to determine if benzene in surface soil was likely to leach to groundwater underlying the Site. Soil samples collected near soil sample LSNG-13 and analyzed via SPLP contained benzene at concentrations exceeding the TRRP Tier 1 ^{GW}GW_{ing} PCL; however, the exceedances were horizontally and vertically confined to the immediate release area and were removed during the additional excavation in August/September 2022. SPLP data is provided in **Table 2 of Appendix E**. Based on SPLP data from soil not removed during excavation, there were no remaining benzene concentrations in soils with the potential to leach to groundwater.

Cumulative groundwater analytical data is provided in **Table 4 of Appendix E**.

Appendix H

MUNICIPAL SETTING DESIGNATION APPLICATION

12510 AMERICAN PETROLEUM ROAD
HOUSTON, TEXAS 77015

STATEMENT REGARDING EXCEEDANCE OF RESIDENTIAL ASSESSMENT LEVEL WITHOUT MSD

Concentrations of previously identified COCs in soil on the Designated Property will exceed a residential assessment level as defined in the Texas Risk Reduction Program without an MSD.

Concentrations of previously identified COCs in groundwater on the Designated Property will exceed a residential assessment level as defined in the Texas Risk Reduction Program without an MSD.