

PLANNING COMMISSION FINAL REPORT

Case No.: 0313-01

HTE No. 13-10000003

Planning Commission Hearing Date: April 23, 2014

Applicant & Legal Description	Applicant/Owner: Thomas Petroleum, LLC Legal Description/Location: Lot 1, Block 1, Thomas Petroleum Subdivision, located on the south side of State Highway 44, approximately 670 feet east of South Clarkwood Road.				
Zoning Request	Request: Special Permit Time Extension Area: 9.74 acres Purpose of Request: To extend the expiration date of the Special Permit for an additional two years.				
Existing Zoning and Land Uses		Existing Zoning District	Existing Land Use	Future Land Use	
	<i>Site</i>	"IL/SP" Light Industrial with a Special Permit	Vacant	Light Industrial	
	<i>North</i>	"RS-6" Single-Family 6	Vacant	State Highway 44	
	<i>South</i>	"RS-6" Single-Family 6	Vacant & Drainage	Light Industrial & Drainage	
	<i>East</i>	"IL" Light Industrial	Light Industrial & Drainage	Light Industrial & Drainage	
	<i>West</i>	"RS-6" Single-Family 6	Vacant & Low Density Residential	Light Industrial	
ADP, Map & Violations	Area Development Plan: The subject property is located in the Port/Airport/Violet Area Development Plan (ADP) and is planned for light industrial uses. The change of zoning to the "IL/SP" Light Industrial District with a Special Permit did not result in a change to the adopted Future Land Use Map, but the proposed heavy industrial use is not consistent with the plan. Map No.: 058043 & 057043 Zoning Violations: None				
Transportation	Transportation and Circulation: The subject property has approximately 1,000 feet of frontage along State Highway 44, which is an "F1" Freeway/Expressway and designated scenic corridor. The property is located approximately 670 feet east of South Clarkwood Road, which is an "A3" Primary Arterial Divided.				
Street R.O.W.	Street	Urban Transportation Plan Type	Proposed Section	Existing Section	Traffic Volume
	SH 44	"F1" Freeway/Expressway	400' ROW varies paved	326' ROW 160' paved	15,788 E 12,589 W (2007)

Staff Summary:

Applicant's Request:

The applicant and landowner, Thomas Petroleum, is requesting to extend the time limit of a Special Permit granted on their property for an additional two years. The Special Permit requires the developer to submit a complete building permit application within one year of Council's approval of the Special Permit, or else the Special Permit expires and the use approved by the Special Permit is no longer allowed.

Current Zoning/Special Permit:

Thomas Petroleum's property was rezoned in 2013 from the "RS-6" Single-Family 6 District to the "IL/SP" Light Industrial District with a Special Permit for the aboveground wholesale storage of fuels and lubricants, which is a Heavy Industrial use according to the Unified Development Code (UDC). The Special Permit granted by Council allowed for 31 aboveground storage tanks. Seven of the tanks are allowed to store fuel and cannot exceed a capacity of 26,800 gallons. The remaining tanks can store other products such as lubricants and water and cannot exceed a capacity of 14,600 gallons. A copy of the approved Special Permit ordinance and site plan is included with this report.

Department Comments:

- The applicant is requesting a time extension for the Special Permit that was issued on May 28, 2013, by Ordinance No. 029841. If a time extension is not granted, the Special Permit will expire on May 28, 2014, and the use allowed by the Special Permit will no longer be allowed on the subject property.
- The applicant has completed the platting (land subdivision) process for the site but is not ready to submit a complete building permit application.
- The Special Permit allowed one year for the applicant to submit a complete building permit application to the City.
- Though the applicant is requesting a two-year time extension, staff and Planning Commission recommend a one-year time extension, requiring the applicant to request another one-year time extension should they not be able to submit a complete building permit application by May 28, 2015.
- Staff and Planning Commission believe an additional year should be a reasonable time frame for the applicant to submit a building permit application based on the following:
 - The applicant has already completed the platting process.
 - The time limit does not require that construction of the facility be completed by May 28, 2015; rather it only requires that a building permit application be submitted for staff review.
- An applicant may only request two Special Permit time extensions. Beyond two time extensions, the applicant would have to go through the rezoning process again in order to establish the proposed use.

Planning Commission and Staff Recommendation (April 23, 2014):

Denial of the applicant's requested two-year time extension and approval of a one-year time extension.

Public Notification	Number of Notices Mailed – 4 within 200' notification area; 12 outside notification area
	<u>As of May 5, 2014:</u>
	In Favor – 0 inside notification area 0 outside notification area
	In Opposition – 0 inside notification area 0 outside notification area)
For 0.00% in opposition.	

- Attachments:
- 1. Extension request letter
 - 2. Location Map (Existing Zoning & Notice Area)
 - 3. Site Plan
 - 4. Special Permit Ordinance #029841



April 4, 2014

Mr. Barney Williams, P.E.
Interim Director of Development Services
City of Corpus Christi
2406 Leopard St.
Corpus Christi, TX 78408

Re: Lot 1, Thomas Petroleum Subdivision, C. L. Thomas

Dear Mr. Williams,

Due to falling behind on our construction projects, we would like to request an extension to the rezoning permit for the above referenced project.

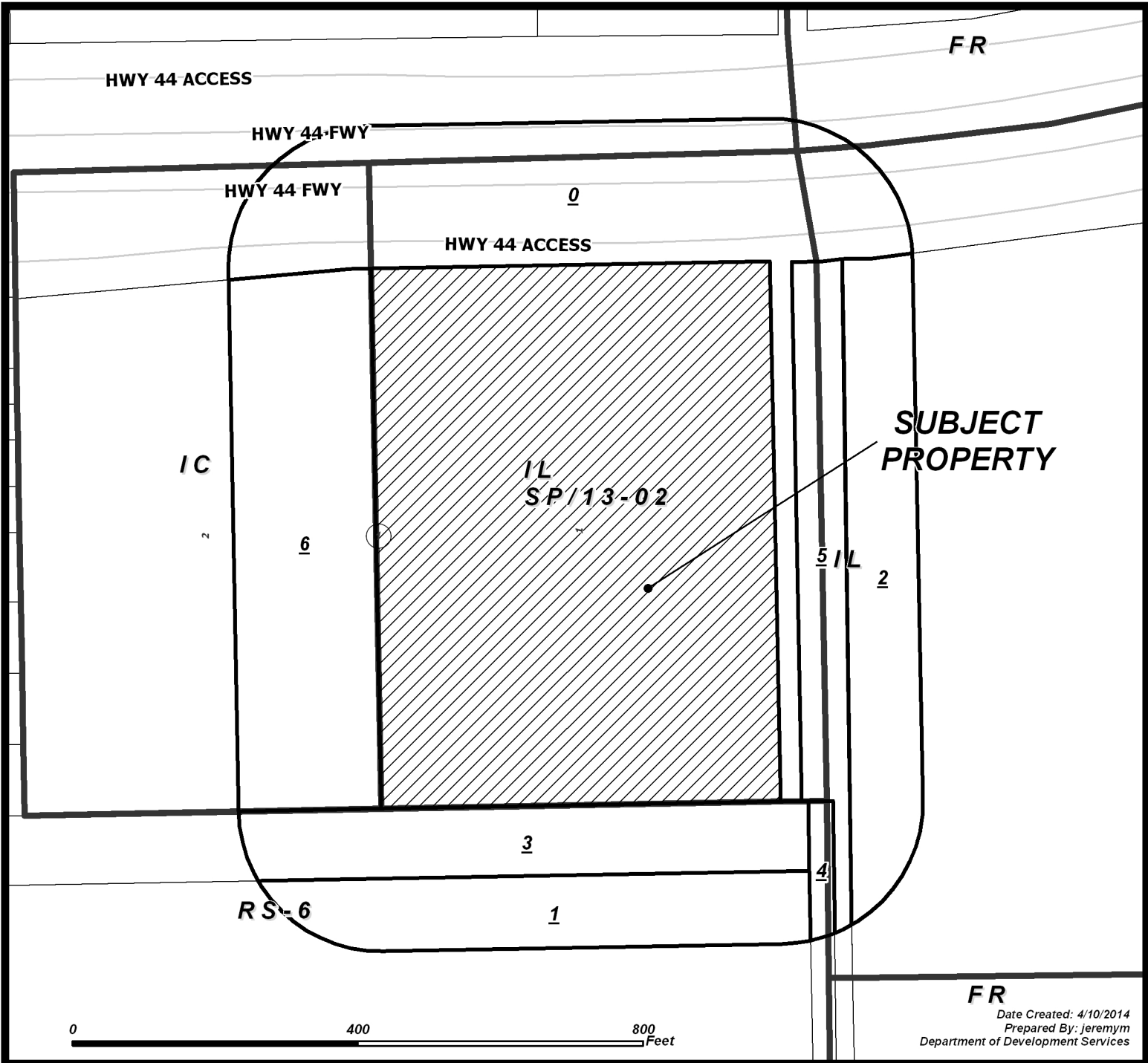
We respectfully request that a 2 year extension be granted.

Regards,

A handwritten signature in blue ink that reads "Shawn Brooke".

Shawn Brooke
Director of Construction
(361) 572-2815

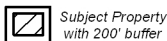
Cc: Annika Gunning
Cc: Murray Bass, JR.



Date Created: 4/10/2014
 Prepared By: jeremym
 Department of Development Services

CASE: 0313-01 ZONING & NOTICE AREA

RM-1	Multifamily 1	IL	Light Industrial
RM-2	Multifamily 2	IH	Heavy Industrial
RM-3	Multifamily 3	PUD	Planned Unit Dev. Overlay
ON	Professional Office	RS-10	Single-Family 10
RM-AT	Multifamily AT	RS-6	Single-Family 6
CN-1	Neighborhood Commercial	RS-4.5	Single-Family 4.5
CN-2	Neighborhood Commercial	RS-TF	Two-Family
CR-1	Resort Commercial	RS-15	Single-Family 15
CR-2	Resort Commercial	RE	Residential Estate
CG-1	General Commercial	RS-TH	Townhouse
CG-2	General Commercial	SP	Special Permit
CI	Intensive Commercial	RV	Recreational Vehicle Park
CBD	Downtown Commercial	RMH	Manufactured Home
CR-3	Resort Commercial		
FR	Farm Rural		
H	Historic Overlay		
BP	Business Park		



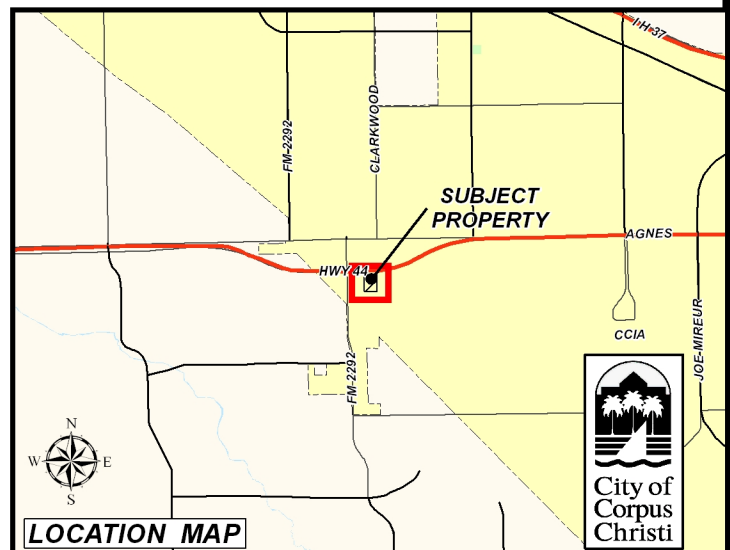
Subject Property with 200' buffer



Owners in favor

4 Owners within 200' listed on attached ownership table

X Owners in opposition



STATE HIGHWAY 44

N84°52'13"E

471.50'

N88°55'14"E

588.54'

T 9
EY E.
2002679
N.C.T.

10
ES J. N
-2933
C.T.

S J.
14-03
T.

11-A
IA R.
1039194
C.T.

12-A
DZA M.
60435-97
N.C.T.

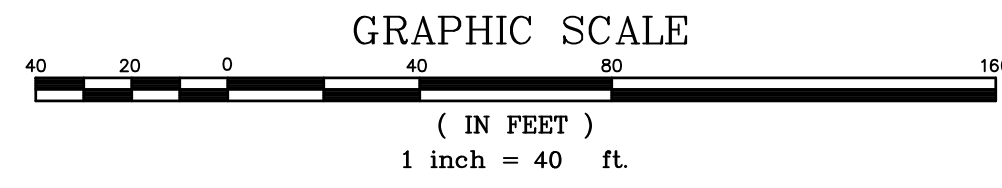
12
HO S.
6025828
C.T.

13
A E.
0095-42
C.T.

14
RNEST
9455-1
N.C.T.

15-A
OUIDA
9455-1
N.C.T.

LANDSCAPING IN THIS AREA- CANOPY TREES TO BE UTILIZED TO SCREEN FACILITY FROM TRAFFIC ON SH 44



6' TALL SCREENING FENCE

SHOP 5638 SQ.FT.+/-

AREA LIGHTING TO BE SHIELDED SO THERE WILL BE NO LIGHT SPILLAGE ONTO ADJOINING RESIDENTIAL PROPERTY

SITE DRAINAGE: DRAINAGE WILL BE ADDRESSED DURING THE PLATTING AND BUILDING PERMITTING PROCESSES.

LANDSCAPE AREA MIN. 5' WIDE TO SCREEN PARKING AREA

OFFICE 1853 SQ.FT.+/-
WAREHOUSE 7215 SQ.FT.+/-

S1°07'13"E

757.57'

S88°55'09"W

1060.03'

DRAINAGE DITCH

BASS & WELSH ENGINEERING
CONSULTING ENGINEERS AND SURVEYORS
3054 SOUTH ALAMEDA STREET 78404
P.O. BOX 6397 78466-6397
TELEPHONE: (361) 882-5521
FACSIMILE: (361) 882-1265
ENGINEERING FIRM REGISTRATION NO. F-52
SURVEYING FIRM REGISTRATION NO. 100027-00
CORPUS CHRISTI, TEXAS

SITE PLAN
THOMAS PETROLEUM
STATE HIGHWAY 44

DATE: 3-1-2013
SCALE: 1"=40'
JOB NO.: 12090
DESIGN BY: MB Jr
DRAWN BY: WF
SURVEYED BY: AM
COMP. FILE: Msp-Scalcd
FIELD BK. NO:

SHEET NO.

1

OF 1 SHEETS

DATE: 03-12-13 16:45 PM DRAWING NO: 12090 PLOTS/SCALE: 1:1 XREF: None

Ordinance amending the Unified Development Code ("UDC") upon application by Elizabeth Anne Meaney ("Owner"), by changing the UDC Zoning Map in reference to an 18.25-acre tract of land out of the G. H. McLeroy 40-acre tract in the Thomas Gallagher Survey 402, Abstract 988, and the James Ward Survey, Abstract 1031, from the "RS-6" Single-Family 6 District to the "IL/SP" Light Industrial District with a Special Permit on Tract 1 and to the "IC" Industrial Compatible District on Tract 2; amending the Comprehensive Plan to account for any deviations; and providing for a repealer clause and publication.

WHEREAS, the Planning Commission has forwarded to the City Council its final report and recommendation regarding the application of Elizabeth Anne Meaney ("Owner") for an amendment to the City of Corpus Christi's Unified Development Code ("UDC") and corresponding UDC Zoning Map;

WHEREAS, with proper notice to the public, public hearings were held on Wednesday, March 27, 2013, during a meeting of the Planning Commission, and on Tuesday, April 23, 2013, during a meeting of the City Council, during which all interested persons were allowed to appear and be heard; and

WHEREAS, the City Council has determined that this amendment would best serve the public health, necessity, convenience and general welfare of the City of Corpus Christi and its citizens.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF CORPUS CHRISTI, TEXAS:

SECTION 1. Upon application made by Elizabeth Anne Meaney ("Owner"), the Unified Development Code ("UDC") of the City of Corpus Christi, Texas ("City"), is amended by changing the zoning on an 18.25-acre tract of land out of the G. H. McLeroy 40-acre tract in the Thomas Gallagher Survey 402, Abstract 988, and the James Ward Survey, Abstract 1031 (the "Property"), located on the south side of State Highway 44 approximately 110 feet east of South Clarkwood Road, from the "RS-6" Single-Family 6 District to the "IL/SP" Light Industrial District with a Special Permit on Tract 1 (9.74 acres) and to the "IC" Industrial Compatible District on Tract 2 (8.51 acres) (Zoning Map Nos. 058043 and 057043), as shown in Exhibits "A," "B," "C," "D," and "E." Exhibit A, which is a metes and bounds description of Tract 1, Exhibit B, which is a metes and bounds description of Tract 2, Exhibit C, which is a map to accompany the metes and bounds descriptions, Exhibit D, which is a site plan pertaining to the Property, and Exhibit E, which is a list of plants that can attract wildlife, are attached to and incorporated in this ordinance by reference as if fully set out herein in their entireties.

SECTION 2. The Special Permit granted on Tract 1 of the Property in Section 1 of this ordinance is subject to the Owner meeting the requirements of Exhibits D and E and the following 11 conditions:

1. **Allowed Uses:** The only use allowed on Tract 1 of the Property other than a use allowed by right in the "IL" Light Industrial District is the aboveground wholesale storage of fuel and lubricants within a total of 31 storage tanks.

029841

INDEXED

2. **Aboveground Storage Tanks:** Tract 1 of the Property cannot contain more than 31 aboveground storage tanks within the tank farm area indicated on Exhibit D. Tract 1 of the Property cannot contain more than seven aboveground storage tanks for the storage of fuel, and the capacity of each fuel storage tank cannot exceed 26,800 gallons. Aboveground storage tanks for the storage of lubricants cannot exceed a capacity of 14,600 gallons.
3. **Fire Department Approval:** The aboveground storage of fuels and lubricants must meet all Fire Department requirements.
4. **Storm Water Detention:** The Owner shall construct and maintain all necessary aboveground detention facilities in a manner that prevents water from standing for longer than 48 hours after the design storm, and the drainage facilities shall remain completely dry between storms.
5. **Federal Aviation Administration (FAA):** The Owner shall submit notice to the FAA prior to the permitting of each structure or tank on the Property.
6. **Height:** Structures and improvements on the Property cannot exceed 32 feet in height above ground level.
7. **Landscaping:** The Owner must comply with the landscape requirements in the UDC. Additionally, no plant listed in Exhibit E may be used in meeting the landscape requirements.
8. **Screening:** The Owner shall plant canopy trees to effectively screen the Property and industrial facilities from view of east and westbound traffic on State Highway 44.
9. **Land Use Compatibility in Accident Potential Zones:** The Owner shall not exceed a maximum Floor Area Ratio of 0.28 on portions of the Property in Accident Potential Zone-1 and 0.56 on portions of the Property in Accident Potential Zone-2. The Floor Area Ratio shall include the square footage of the aboveground storage tank farm.
10. **Billboards:** The Owner shall not construct nor allow a billboard or off-premise sign on the Property.
11. **Time Limit:** This Special Permit shall be deemed to have expired within 12 months of this ordinance unless a complete building permit application has been submitted, and the Special Permit shall expire if the allowed use is discontinued for more than six consecutive months.

SECTION 3. The official UDC Zoning Map of the City is amended to reflect changes made to the UDC by Section 1 of this ordinance.

SECTION 4. The UDC and corresponding UDC Zoning Map of the City, made effective July 1, 2011, and as amended from time to time, except as changed by this ordinance, both remain in full force and effect.

SECTION 5. To the extent this amendment to the UDC represents a deviation from the City's Comprehensive Plan, the Comprehensive Plan is amended to conform to the UDC, as it is amended by this ordinance.

SECTION 6. All ordinances or parts of ordinances specifically pertaining to the zoning of the Property (18.25-acre tract of land out of the G. H. McLeroy 40-acre tract in the Thomas Gallagher Survey 402, Abstract 988, and the James Ward Survey, Abstract 1031) and that are in conflict with this ordinance are hereby expressly repealed.

SECTION 7. Publication shall be made in the official publication of the City of Corpus Christi as required by the City Charter of the City of Corpus Christi.

The foregoing ordinance was read for the first time and passed to its second reading on this the 14th day of May, 2013, by the following vote:

Nelda Martinez	<u>Aye</u>	Chad Magill	<u>Aye</u>
Kelley Allen	<u>Aye</u>	Colleen McIntyre	<u>Aye</u>
Rudy Garza	<u>Aye</u>	Lillian Riojas	<u>Aye</u>
Priscilla Leal	<u>No</u>	Mark Scott	<u>Aye</u>
David Loeb	<u>Aye</u>		

The foregoing ordinance was read for the second time and passed finally on this the 28th day of May, 2013, by the following vote:

Nelda Martinez	<u>Aye</u>	Chad Magill	<u>Aye</u>
Kelley Allen	<u>Aye</u>	Colleen McIntyre	<u>Aye</u>
Rudy Garza	<u>Aye</u>	Lillian Riojas	<u>Aye</u>
Priscilla Leal	<u>No</u>	Mark Scott	<u>Aye</u>
David Loeb	<u>Aye</u>		

PASSED AND APPROVED this the 28th day of May, 2013

ATTEST:

Armando Chapa
Armando Chapa
City Secretary

Nelda Martinez
Nelda Martinez
Mayor

EFFECTIVE DATE
6/3/13

029841

BASS & WELSH ENGINEERING
TX Registration No. F-52
Survey Registration No. 100027-00
P.O. Box 6397
Corpus Christi, TX 78466-6397

May 2, 2013

Field Note Description
Tract 1
IL (SP) Zoning

Being a tract situated in Corpus Christi, Nueces County, Texas, a 9.74 acre tract on the east side of an 18.25 acre tract out of the G.H. McLeroy 40.0 acre tract in Thomas Gallagher Survey 402, Abstract 988 and the James Ward Survey, Abstract 1031, and being more particularly described by metes and bounds as follows:

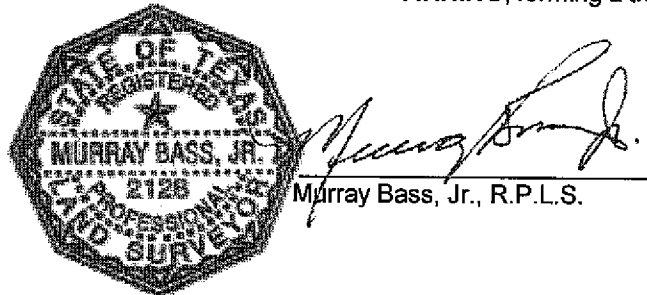
BEGINNING at the northeast corner of the heretofore referenced 18.25 acre tract for the northeast corner of this tract, said point lying in the south right-of-way line of State Highway 44;

THENCE S 1°07'13" E along the east boundary of the 18.25 acre tract a distance of 757.57 feet to the southeast corner of the 18.25 acre tract for the southeast corner of this tract;

THENCE along the south line of the 18.25 acre tract S 88°55'09" W a distance of 560.03 feet to a point for the southwest corner of this tract;

THENCE N 1°04'51" W across the 18.25 acre tract a distance of 757.58 feet to a point in the north line of the 18.25 acre tract for the northwest corner of this tract, said point lying in the south right-of-way line of State Highway 44;

THENCE N 88°55'14" E along the north line of the 18.25 acre tract and the south right-of-way line of State Highway 44 a distance of 559.51 feet to the **POINT OF BEGINNING**, forming a tract embracing 9.74 acres.



Note: Description based on survey Texas GeoTech dated December 13, 2012.

BASS & WELSH ENGINEERING
TX Registration No. F-52
Survey Registration No. 100027-00
P.O. Box 6397
Corpus Christi, TX 78466-6397

May 2, 2013

Field Note Description
Tract 2
IC Zoning

Being a tract situated in Corpus Christi, Nueces County, Texas, an 8.51 acre tract on the west side of an 18.25 acre tract out of the G.H. McLeroy 40.0 acre tract in Thomas Gallagher Survey 402, Abstract 988 and the James Ward Survey, Abstract 1031, and being more particularly described by metes and bounds as follows:

BEGINNING at the northwest corner of the 18.25 acre tract, the northeast corner of Lot 9, Block 1, Clarkwood Annex as shown on the map thereof recorded in Volume 33 at Page 23 of the Map Records of Nueces County, Texas for the northwest corner of this tract, said point lying in the south right-of-way line of State Highway 44;

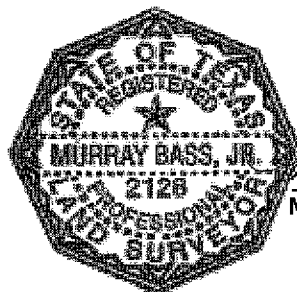
THENCE N 84°52'13" E along the north line of the 18.25 acre tract and the south line of State Highway 44, a distance of 471.50 feet to a point for an intermediate corner of this tract;

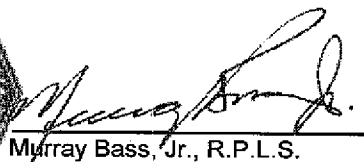
THENCE continuing along the north line of the 18.25 acre tract, and the south right-of-way line of State Highway 44, N 88°55'14" E a distance of 29.03 feet to a point for the northeast corner of this tract;

THENCE S 1°04'51" E across the 18.25 acre tract a distance of 757.58 feet to a point in the south boundary of the 18.25 acre tract for the southeast corner of this tract;

THENCE S 88°55'09" W a distance of 500.00 feet to the southwest corner of the 18.25 acre tract for the southwest corner of this tract, said point line being the southeast corner of Lot 15-A of the Clarkwood Annex;

THENCE N 1°01'46" W along the west boundary of the 18.25 acre tract and the east boundary of the Clarkwood Annex Subdivision a distance of 724.29 feet to the **POINT OF BEGINNING**, forming a tract embracing 8.51 acres.




Murray Bass, Jr., R.P.L.S.

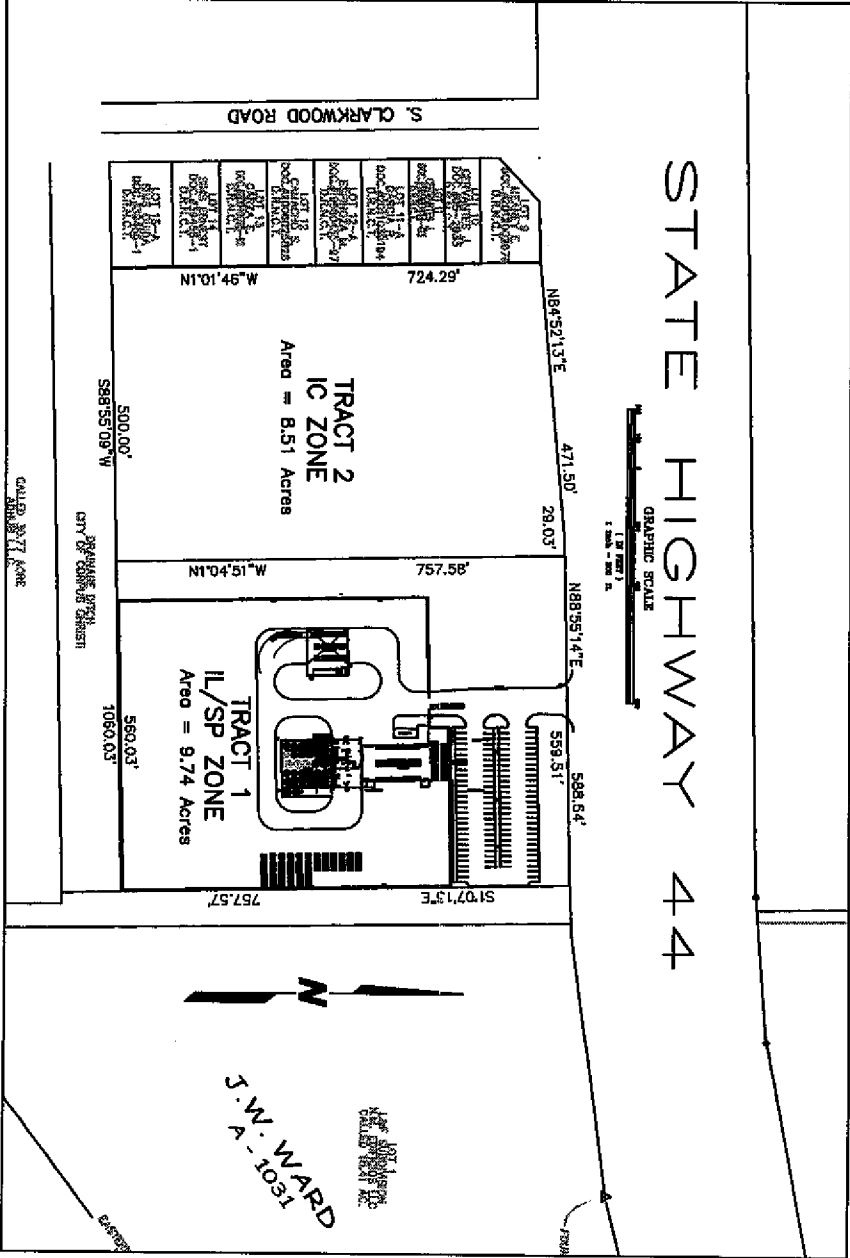
Note: Description based on survey Texas GeoTech dated December 13, 2012.

MBJ:sab

12090-Field Note Desc2.doc

STATE HIGHWAY 44

GRAPHIC SCALE
1" = 100'



PROPOSED REZONING ELIZABETH ANNE MEANEY-APPLICANT

Prepared by
Brass & Welsh Engineering
 3054 So. Alameda St.
 Corpus Christi, TX 78404
 (361) 882-5521 (Phone)
 (361) 882-1255 (Fax)
 Engineering Firm Registration No. F-52
 Surveying Firm Registration No. 100027-00

Job No. 12090
 Scale: 1"=200'
 Dates: 5-2-13
 Drawing No. REZONE SKETCH
 Plot Scale: 1"=1'
 Sheet: 1 of 1



9	EY E	2002679	I.C.T.
10	ES J	2933	I.C.T.
11	A R	1039194	I.C.T.
12	HO S	6025828	I.C.T.
13	A E	109542	I.C.T.
14	RNEST	9455-1	I.C.T.
15	OU DA	9455-1	I.C.T.

STATE HIGHWAY 44

LANDSCAPING IN THIS AREA - CANOPY TREES TO BE UTILIZED TO SCREEN FACILITY FROM TRAFFIC ON SH 44



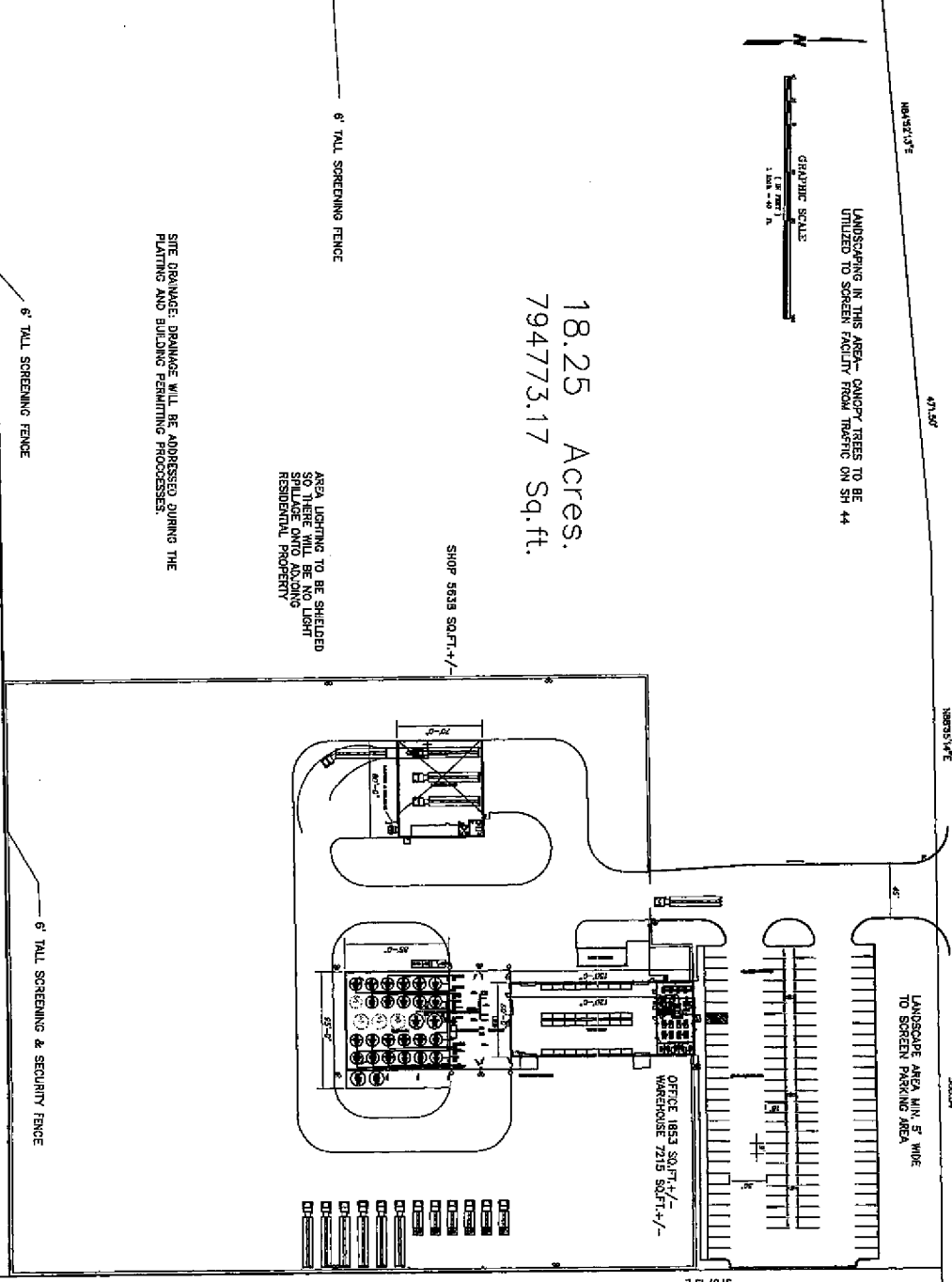
18.25 ACRES.
794773.17 Sq.ft.

SHOP 5638 SQ.FT. +/-

AREA LIGHTING TO BE SHIELDED SO THERE WILL BE NO LIGHT SPILLAGE ONTO ADJACENT RESIDENTIAL PROPERTY

SITE DRAINAGE: DRAINAGE WILL BE ADDRESSED DURING THE PLATING AND BUILDING PERMITTING PROCESSES.

DRAINAGE DITCH (100' WIDE)
CITY OF CORPUS CHRISTI



TXDOT DRAINAGE R.O.W. WIDTH VARIES

DATE: 3-1-2013
SCALE: 1"=40'
JOB NO: 12000
DRAWN BY: WJ
CHECKED BY: WJ
FIELD NO: 12000
SHEET NO. 1
OF 1 SHEETS

SITE PLAN
THOMAS PETROLEUM
STATE HIGHWAY 44

BASS & WELSH ENGINEERING
CONSULTING ENGINEERS AND SURVEYORS
3024 SOUTH ALAMITA STREET 78104
P.O. BOX 6387 78468-6387
TELEPHONE: (361) 662-0621
FACSIMILE: (361) 662-1262
ENGINEERING FIRM REGISTRATION NO. E-52
SURVEYING FIRM REGISTRATION NO. 190027-00
CORPUS CHRISTI, TEXAS

EXHIBIT D

APPENDIX 12: PLANTS ATTRACTIVE TO WILDLIFE

Listings within groups are in order of extent of use, which in some cases may be affected by availability.

Plants Extensively Used as Food by Wildlife ¹⁶			
Woody Plants			
Alder	<i>Alnus spp.</i>	Maple	<i>Acer spp.</i>
Aspen	<i>Populus spp.</i>	Mesquite	<i>Prosopis spp.</i>
Beech	<i>Fagus grandifolia</i>	Mulberry	<i>Morus spp.</i>
Birch	<i>Betula spp.</i>	Oak	<i>Quercus spp.</i>
Blackberry	<i>Rubus spp.</i>	Persimmon	<i>Diospyros spp.</i>
Blackgum	<i>Nyssa sylvatica</i>	Pine	<i>Pinus spp.</i>
Blueberry	<i>Vaccinium spp.</i>	Poison Ivy	<i>Toxicodendron radicans</i>
Cedar	<i>Juniperus spp.</i>	Pricklypear	<i>Opuntia spp.</i>
Dogwood	<i>Cornus spp.</i>	Sagebrush	<i>Artemisia spp.</i>
Douglas-fir	<i>Pseudotsuga taxifolia</i>	Saltbush	<i>Atriplex spp.</i>
Elderberry	<i>Sambucus spp.</i>	Serviceberry	<i>Amelanchier spp.</i>
Fir	<i>Abies spp.</i>	Snowberry	<i>Symphoricarpos</i>
Gooseberry	<i>Grossularia</i>	Spruce	<i>Picea spp.</i>
Grape	<i>Vitis spp.</i>	Sumac	<i>Rhus spp.</i>
Greenbrier	<i>Smilax spp.</i>	Virginia creeper	<i>Parthenocissus spp.</i>
Hackberry	<i>Celtis spp.</i>	Wild cherry	<i>Prunus spp.</i>
Holly	<i>Ilex spp.</i>	Willow	<i>Salix spp.</i>
Manzanita	<i>Arctostaphylos spp.</i>		
Grass, Weeds, and Forbs			
Bluegrass	<i>Poa spp.</i>	Gamma grass	<i>Bouteloua spp.</i>
Bristlegrass	<i>Setaria spp.</i>	Knotweed	<i>Polygonum spp.</i>
Brome grass	<i>Bromus spp.</i>	Oats	<i>Avena spp.</i>
Chickweed	<i>Stellaria media</i>	Panic Grass	<i>Panicum spp.</i>
Clover	<i>Trifolium spp.</i>	Pigweed	<i>Amaranthus spp.</i>
Crabgrass	<i>Digitaria spp.</i>	Ragweed	<i>Ambrosia spp.</i>
Deervetch	<i>Lotus spp.</i>	Russian thistle	<i>Salsola kali</i>
Doveweed	<i>Croton spp.</i>	Sedge	<i>Carex spp.</i>
Dropseed grass	<i>Sporobolus spp.</i>	Sunflower	<i>Helianthus spp.</i>
Fescue	<i>Festuca spp.</i>	Tarweed	<i>Madia spp. and Hemizonia spp.</i>
Filaree	<i>Erodium spp.</i>	Turkey Mullen	<i>Eremocarpus setigerus</i>
Goosefoot	<i>Chenopodium spp.</i>		
Marsh and Aquatic Plants			
Algae	<i>Chlorophyta</i>	Pondweed	<i>Potamogeton spp.</i>
Arrowhead	<i>Sagittaria spp.</i>	Saltgrass	<i>Distichlis spp.</i>
Bulrush	<i>Scirpus spp.</i>	Smartweed	<i>Polygonum spp.</i>
Burreed	<i>Spartanium spp.</i>	Spikerush	<i>Eleocharis spp.</i>
Cordgrass	<i>Spartina spp.</i>	Water lily	<i>Nymphaea spp.</i>
Duckweed	<i>Lemna spp.</i>	Weidgeongrass	<i>Ruppia maritima</i>
Horned-pondweed	<i>Zannichellia palustris</i>	Wildcelery	<i>Vallisneria spiralis</i>
Muskgrass	<i>Chara spp.</i>	Wildmillet	<i>Echinochloa spp.</i>
Naiad	<i>Najas spp.</i>	Wildrice	<i>Zizania aquatica</i>
Cultivated Plants			
Alfalfa	<i>Medicago sativa</i>	Grape	<i>Vitis</i>
Apple	<i>Malus pumila</i>	Oats	<i>Avena sativa</i>
Barley	<i>Hordeum vulgare</i>	Rice	<i>Oryza sativa</i>

¹⁶ Sources: Martin, A.C., H.S., Zim, and A.L. Nelson. 1961. American wildlife and plants. Dover Publications, N.Y. 500 pp. Lefebvre, p.W., and D.F. Mott. 1987. Reducing bird/aircraft hazards through control of bird-nesting, roosting, perching, and feeding. Section of Bird Control, Denver Wildl. Res. Ctr., ADC/APHIS/USDA, Denver, CO., Bird Damage Res. Rept. 390. 91 pp.



APPENDIX 12:
Plants Attractive to Wildlife

Cherry Corn	<i>Prunus spp.</i> <i>Zea mays</i>	Sorghum Wheat	<i>Sorghum vulgare</i> <i>Triticum spp.</i>
Ornamental Trees and Shrubs Attractive to Birds			
Serviceberry	<i>Amelanchier canadensis</i>	Russian olive	<i>Elaeagnus angustifolia</i>
Alleghany serviceberry	<i>A. lacini</i>	American beech	<i>Fagus grandifolia</i>
Yellowbirch	<i>Betula lutea</i>	Purple beech	<i>F. sylvatica</i>
Gray birch	<i>B. populifolia</i>	Weeping birch	<i>F. sylvatica</i>
River birch	<i>B. nigra</i>	Betchel crabapple	<i>Malus zoensis</i>
Paper birch	<i>B. papyrifera</i>	Pissard plum	<i>Prunus cerasifers</i>
Western white birch	<i>B. comutata</i>	Amur choke cherry	<i>P. maackii</i>
Flowering dogwood	<i>Cornus florida</i>	May Day tree	<i>P. padus commutate</i>
Japanese dogwood	<i>C. kousa</i>	Autumn Flowering Higan cherry	<i>P. subhirtella</i>
Cornelian cherry	<i>C. mas</i>	Shubert choke cherry	<i>P. virginiana</i>
Pacific dogwood	<i>C. nuttallii</i>	White cedar	<i>Thuja occidentalis</i>
Cockspur thorn	<i>Crataegus crus-galli</i>	Hedge cotoneaster	<i>C. lucida</i>
Toba hawthorn	<i>C. x mordensis "Toba"</i>	Witchhazel	<i>Hamamelis virginiana</i>
English hawthorn	<i>C. oxyacantha</i>	Oregon grape	<i>Mahonia aquifolium</i>
Paul's scarlet hawthorn	<i>C. sp.</i>	Virginia creeper	<i>Parthenocissus guinguenifolia</i>
Cutleaf peashrub	<i>Caragan arborescens</i>	Western sand cherry	<i>P. tomentosa</i>
Weeping caragana	<i>C. arborescens</i>	Flowering almond	<i>P. triloba</i>
Tidy caragana	<i>C. microphylla</i>	Alpine currant	<i>Ribes alpinum</i>
Silverleaf dogwood	<i>Cornus alba</i>	Austrian brier rose	<i>Rosa foetida</i>
Siberian dogwood	<i>C. alba</i>	Shining rose	<i>R. nitida</i>
Yellowdog dogwood	<i>C. alba</i>	Redleaf rose	<i>R. rubrifolia</i>
Red osier dogwood	<i>C. stolonifera</i>	Burnett rose	<i>R. spinosissima</i>
Yellow twig dogwood	<i>C. stolonifera</i>	Korean spice viburnum	<i>Viburnum carlesii</i>
Peking cotoneaster	<i>Cotoneaster acutifolia</i>	Wayfaring tree	<i>V. lantana</i>
Early cotoneaster	<i>C. adpressa praecox</i>	European highbush cranberry	<i>V. opulus</i>
Rockspray cotoneaster	<i>C. horizontalis</i>		

¹¹ Sources: Thomas, W.A. (Coordinator). 1977. Airport grounds development and maintenance manual. Airports and Construction Services Directorate (Canada).
Lefebvre, P.W., and D.F. Moir. 1987. Reducing bird/aircraft hazards through control of bird nesting, roosting, perching, and feeding. Section of Bird Control, Denver Wildl. Res. Ctr., ADC/APHIS/USDA, Denver, CO. Bird Damage Res. Rept. 390. 91 pp.