

**MAP OF TOPOGRAPHY AND DRAINAGE  
MAPA DE TOPOGRAFIA Y DRENAJE**

**MYRNA SUBDIVISION**

A 6.12 ACRE TRACT OF LAND OUT OF THE NORTH 5.12 ACRES, OF LOT 96, SEMINARY HEIGHTS SUBDIVISION, ACCORDING TO MAP RECORDED IN VOLUME 9, PAGE 23, MAP RECORDS, HIDALGO COUNTY, TEXAS.

SCALE 1" = 100'  
PALOMA DEL VALLE SUBDIVISION

**MAP OF WATER DISTRIBUTION SYSTEM  
MAPA DE DISTRIBUCION DE AGUA**

**SUBDIVIDER CERTIFICATION**  
1.- BY COMPLETING THE IMPROVEMENTS DESCRIBED ON THE PLAN, SUBDIVIDER WILL COMPLY WITH MINIMUM STATE STANDARDS AND THAT (1) WATER QUALITY AND CONNECTIONS INCLUDING WATER METERS TO THE LOT MEET SUCH STANDARDS AND (2) SEWER CONNECTIONS TO THE LOT OR SEPTIC TANK MEET OR WILL MEET SUCH STANDARDS AND WILL BE BY STATE AND COUNTY REGULATIONS.

**SUBDIVIDER STATEMENT**  
1.- I, MYRNA SALINAS SUBDIVIDER OF MYRNA SUBDIVISION HEREBY CERTIFY SEWER PERMITS HAVE BEEN PAID AND ARE ON FILE WITH THE HIDALGO COUNTY HEALTH DEPARTMENT THAT ANY ADEQUATE DELINEATING WATER SERVICE IS AVAILABLE TO EACH LOT OF THIS SUBDIVISION TO ENABLE EACH PERSON PURCHASING A LOT HAVE ADEQUATE WATER TO COMPLY WITH THE REGULATIONS AND THE LAWS TO THE STATE AS REQUIRED BY STATE AND COUNTY REGULATIONS.



**LOCATION MAP**  
LOCATION OF SUBDIVISION WITH RESPECT TO THE EXTRATERRITORIAL JURISDICTION OF A MUNICIPALITY.  
MYRNA SUBDIVISION IS WITHIN HIDALGO COUNTY PRECINCT NO. 4 AND IS LOCATED CENTRAL, HIDALGO COUNTY, ON THE WEST SIDE OF SEMINARY ROAD, 50.00 FEET SOUTH OF CALLE CEDRO, THE ONLY NEARBY MUNICIPALITY IS THE CITY OF EDMBURG POPULATION OF 20,719 2005 CENSUS WITHIN SUBDIVISION LIES WITHIN THE 2 MILE EXTRATERRITORIAL JURISDICTION OF CITY OF EDMBURG UNDER LOCAL GOVERNMENT CODE § 22.001.

**DRAINAGE REPORT:**  
SEPTEMBER 2013  
DRAINAGE REPORT  
BY: MEZ B. GARZA JR., P.E.  
MYRNA SUBDIVISION  
HIDALGO COUNTY, TEXAS

**PROJECT LOCATION:**  
THE PROPERTY IS LOCATED ON THE WEST SIDE OF SEMINARY ROAD, 50.00 FEET SOUTH OF CALLE CEDRO.  
**FLOOD PLAIN:**  
THE SUBJECT TRACT LIES IN ZONE "X"  
AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN  
IN ACCORDANCE WITH FEMA FIRM MAP NO. 48033A 0332 D  
MAP REVISED-JUNE 6, 2000 REVISED TO REFLECT LOAD DATED MAY 17, 2001

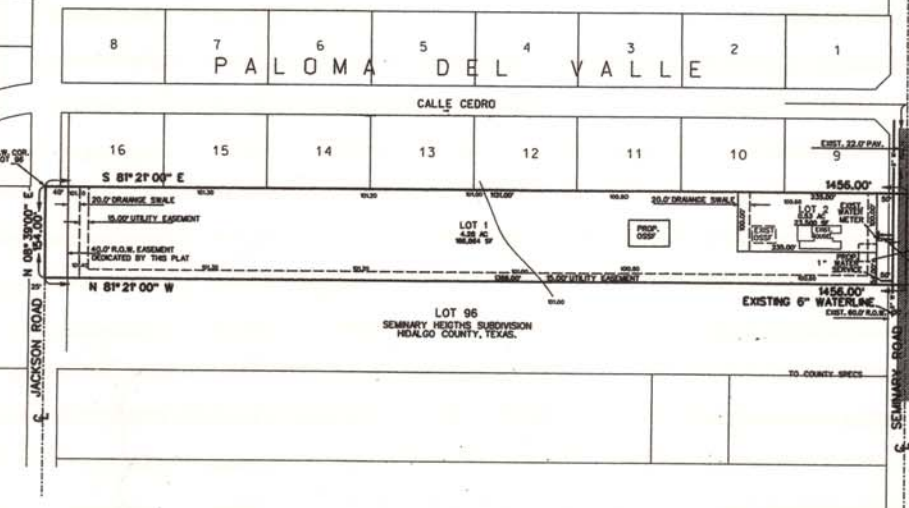
**SOIL CONDITION:**  
A REVIEW OF THE SOIL SURVEY OF HIDALGO COUNTY INDICATES THE SUBJECT TRACT LIES IN AN AREA OF PROBABLY HIDALGO SANDY CLAY LOAM SOIL THAT HAS A POOR LOW SHRINK-SWELL POTENTIAL AND IS LISTED IN HYDROLOGICAL GROUP B.

**EXISTING CONDITIONS:**  
THE SUBJECT TRACT IS CURRENTLY DEVELOPED. LOT 2 HAVE AN EXISTING HOUSE THE EXISTING TERROR HAS A GRADE OF APPROXIMATELY 0.15. EXISTING RUNOFF (158 CFS) FROM THE SITE IS BY MEANS OF SHEET PILE RIGGS TOWARDS THE EAST SIDE OF THE TRACT.

**PROPOSED CONDITIONS:**  
THE PROPOSED CONDITIONS FOR THIS SUBJECT TRACT CONSIST OF 2 RESIDENTIAL LOTS. THE STORM SEWER RUNOFF AFTER DEVELOPMENT TO BE 270 CFS, HAVE CALCULATED THAT 8.284 OF OF STORM SEWER FOR A 10-YEAR DESIGN FREQUENCY AND WILL BE DETAINED WITHIN THE PROPERTY BY A DETENTION AREAS.

**CERTIFICATION**  
BY MY SIGNATURE BELOW, I CERTIFY THAT THIS SUBDIVISION LIES IN A THE SUBJECT TRACT LIES IN ZONE "X"  
AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN  
IN ACCORDANCE WITH FEMA FIRM MAP NO. 48033A 0332 D  
MAP REVISED-JUNE 6, 2000 REVISED TO REFLECT LOAD DATED MAY 17, 2001  
BASED ON GRAPHICAL REPRESENTATION ON DATE SOIL.

MEZ B. GARZA JR.  
P.E.  
REG. PROFESSIONAL ENGINEER - 60824  
11/15  
P.W.M., TEXAS 78577



**STATE OF TEXAS**  
COUNTY OF HIDALGO

BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC, ON THIS DAY PERSONALLY APPEARED MYRNA SALINAS PROVIDED TO BE THROUGH THEIR TEXAS DEPARTMENT OF PUBLIC SAFETY DRIVER LICENSE TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT, WHO BEING BY ME ONLY SHOWN, DECLARED THAT THEIR STATEMENTS THEREIN ARE TRUE, AND CORRECT AND ACKNOWLEDGED THAT THEY EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATION THEREBY EXPRESSED.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2013

Notary Public for the State of Texas  
MEZ B. GARZA JR., P.E.  
11/15

**FINAL WATER AND SEWER ENGINEERING REPORT**  
WATER SUPPLY, DESCRIPTION, COST, AND OPENABILITY DATES:  
MYRNA SUBDIVISION WILL BE PROVIDED WITH POTABLE WATER BY THE CITY OF EDMBURG THE SUBDIVISION AND CITY OF EDMBURG HAVE ENTERED INTO A CONTRACT IN WHICH THE CITY OF EDMBURG WILL PROVIDE TO PROVIDE SUFFICIENT WATER TO THE SUBDIVISION FOR AT LEAST 30 YEARS AND THE CITY OF EDMBURG HAS PROVIDED DOCUMENTATION TO SUFFICIENTLY ESTABLISH THE LONG TERM QUANTITY AND QUALITY OF THE AVAILABLE WATER SUPPLIES TO SERVE THE FULL DEVELOPMENT OF THIS SUBDIVISION. THE CITY OF EDMBURG HAS AN EXISTING 68" DIAMETER WATERLINE RUNNING ALONG THE WEST RIGHT-OF-WAY OF SEMINARY ROAD.

**WATER DISTRIBUTION FOR MYRNA SUBDIVISION** CONSIST OF A PROPOSED 1-1" WATER SERVICE FOR LOT 1 AND LOT 2 HAVE AN EXISTING WATER SERVICE TERMINATE AT THE WATER METER BOX, AND THE METER BOX HAVE ALREADY BEEN INSTALLED AT A TOTAL COST OF \$1500.00 IN ADDITION THE SUBDIVISION HAS TO PROVIDE THE 1-1" WATER SERVICE TO THE METER BOXES FOR LOTS 1 AND 2, AS STATED IN THE 30 YEAR WATER SERVICE AGREEMENT WHICH NOW REPRESENTS THE TOTAL COST OF THE WATER METER BOXES ACQUISITION AND ALL MEMBERSHIP OR OTHER FEES ASSOCIATED WITH CONNECTING THE INDIVIDUAL LOTS IN THE SUBDIVISION TO THE CITY OF EDMBURG UPON REQUEST BY THE LOT OWNER, THE CITY OF EDMBURG WILL PROMPTLY INSTALL AT NO CHARGE THE WATER METES.

THE EXISTING WATER SERVICE HAVE BEEN APPROVED AND ACCEPTED BY THE CITY OF EDMBURG AND SAID DISTRIBUTION SYSTEM IS OPERABLE AS OF THE DATE OF THE RECORDING OF THE PLAN.

**SEWER FACILITIES: DESCRIPTION, COSTS, AND OPENABILITY DATES:**  
SEWER FROM MYRNA SUBDIVISION WILL BE TREATED BY INDIVIDUAL ON-SITE SEWER FACILITIES ("TOSP") CONSISTING OF A STANDARD DESIGN DUAL COMPARTMENTS SEPTIC TANK AND A DRAIN FIELD ON THIS LOT. THE SITE EVALUATOR JOSE A. GONZALEZ REG. # 12256, HAS EVALUATED THE SUITABILITY OF THE SUBDIVISION SITE FOR TOSP AND SUBMITTED A REPORT CONSULTING THAT THE SITE IS SUITABLE FOR TOSP. THE REPORT HAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY HEALTH DEPARTMENT. EACH LOT HAS ADEQUATE AREA FOR A REPLACEMENTS DRAIN FIELDS.

EACH LOT IN THE PROPOSED SUBDIVISION IS AT LEAST 1/2 ACRE IN SIZE. THE NATURAL RESOURCE CONSERVATION SERVICE SOIL SURVEY BOOK INDICATED A SANDY LOAM SOIL FOR THE AREA AT LEAST TWO SOIL EXCAVATIONS WERE PERFORMED ON THE SITE, AT OPPOSITE ENDS OF THE SOIL IS A TEXTURE CLASS B SANDY LOAM BLOOPY EXTENDING UP TO 30" BELOW THE BOTTOM OF ANY PROPOSED EXCAVATIONS. THERE IS NO INDICATION OF ORGANOMATTER OR A RESISTIVE LAYER WITHIN 24" OF BOTTOM OF THE PROPOSED EXCAVATIONS. THE SUBDIVISION DRAINS WELL.

THE COST TO INSTALL A SEPTIC SYSTEM ON AN INDIVIDUAL LOTS IS \$1500.00, INCLUDING THE COST FOR THE REQUIRED PERMITS AND LICENSE. ALL COSTS HAVE BEEN INSTALLED AS OF THE TIME OF APPLICATION FOR FINAL PLAN AT TOTAL COST OF \$1500.00. THE HIDALGO COUNTY HEALTH DEPARTMENT HAS REQUESTED AND APPROVED THE INSTALLATION OF ALL ODF ON

LOT 2 ALREADY HAVE A SEPTIC TANK SYSTEM

**CERTIFICATION**  
CON MY FIRMA, CERTIFICO QUE LOS SISTEMAS Y SISTEMAS DE AGUA Y DE DRENAJE, DESCRITOS EN ESTE DOCUMENTO CUMPLEN CON LAS MODEL SUBDIVISION RULES (LAS REGLAS GOBERNANDO A LAS SUBDIVISIONES), ADOPTADAS EL LA SECCION 16.343 DEL TEXAS WATER CODE (CODIGO DE AGUA TEXAS). CERTIFICO QUE LOS GASTOS PARA INSTALAR LOS SISTEMAS DE AGUA Y DE DRENAJE SON:  
AGUA EL SISTEMA/SERVICIO DE AGUA SEHA INSTALADO Y COMPLETAMENTE CONSTRUIDO MENOS EL MEDIDOR MECANICO DE AGUA QUE COSTARA UN TOTAL DE \$ 3,000.00  
SEWAGE SE ESTIMA QUE LA FOSA SEPTICA COSTARA \$ 1,500.00 PARA LA SUBDIVISION.

**ENGINEER CERTIFICATION**  
BY MY SIGNATURE BELOW, I CERTIFY THAT THE WATER AND SEWERAGE SERVICE FACILITIES DESCRIBED ABOVE ARE IN COMPLIANCE WITH THE MODEL RULES ADOPTED SECTION 16.343 WATER CODE, EXCEPT THAT THE COST TO INSTALL THE WATER DISTRIBUTION SYSTEM AND ON-SITE SEWER FACILITIES, DISCUSSED ABOVE, ARE AS FOLLOWS:  
WATER FACILITIES - THESE FACILITIES FULLY CONSTRUCTED, WITH THE INSTALLATION OF WATER METERS, WILL COST A GRAND TOTAL OF \$ 1500.00  
SEWER FACILITIES - SEPTIC SYSTEM HAS BEEN INSTALLED AT A TOTAL COST OF \$1500.00

**FINAL WATER AND SEWER ENGINEERING REPORT IN SPANISH**  
PROVISION DE AGUA, DESCRIPCION, GASTOS Y FECHA DE INICIO  
LA SUBDIVISION DE MYRNA SUBDIVISION RECIBIRA SU PROVISION DE AGUA DE LA CIUDAD DE EDMBURG, EL DUEÑO DE LA SUBDIVISION Y LA COMPANIA AGUA LA CIUDAD DE EDMBURG, HAN FIRMADO UN CONTRATO POR EL CUAL LA SUBDIVISION RECIBIRA SU PROVISION DE AGUA POR LOS PROXIMOS 30 ANOS. LA CIUDAD DE EDMBURG, HA PRESENTADO DOCUMENTACION PARA DEMOSTRAR A LARGO PLAZO LA CANTIDAD Y CALIDAD DE AGUA ACCESIBLE PARA SERVIR EL FUTURO DESARROLLO DE LA SUBDIVISION.  
EL SISTEMA DE PROVISION DE AGUA PARA LA SUBDIVISION DE MEDIAN ESTADOS CONSISTE DE UN CONDUCTO DE AGUA EXISTENTE DE 6" PALGADAS DE DIAMETRO QUE PASA POR EL LADO OESTE DEL DERECHO DE VIA (RIGHT-OF-WAY) DE LA CARRETERA SEMINARY ROAD DEL CONDUCTO DE AGUA DE 6" PALGADAS SE INSTALARA UN CONDUCTO DOBLE DE 1 UNA PALGADA DE DIAMETRO PARA EL LOTE 1 Y EL MEDIDOR MECANICO DE AGUA A UN COSTO TOTAL DE \$1500.00  
EL DUEÑO DE LA SUBDIVISION TAMBEN LE HA PAGADO A LA CIUDAD DE EDMBURG \$1500.00 POR LA SUBDIVISION QUE CUBRE EL COSTO DEL MEDIDOR MECANICO DE AGUA PARA INSTALAR EL MEDIDOR MECANICO DE AGUA. LA INSTALACION DEL MEDIDOR Y LOS GASTOS DE CONEXION CUANDO EL DUEÑO DEL LOTE SOLICITE EL MEDIDOR DE AGUA LA COMPANIA DE LA CIUDAD DE EDMBURG LO INSTALARA SIN COSTO ALGUNO AL DUEÑO DE LA SUBDIVISION. EL AGUA ESTARA EN FUNCIONAMIENTO COMPLETO ANTES O EN LA FECHA EN LA CUAL LA SUBDIVISION SEA REGISTRADA EN EL CONDAO DE HIDALGO, EL LOTE 2 YA TIENEN UN MEDIDOR DE AGUA  
SEWAGE: DESCRIPCION, GASTOS Y FECHA DE INICIO PARA FACILITAR EL DRENAJE PARA LA SUBDIVISION.  
SEWAGE PARA MYRNA SUBDIVISION SERA TRATADO POR INDIVIDUALES ON-SITE SEWER FACILITIES ("TOSP") CONSISTING OF A STANDARD DESIGN DUAL COMPARTMENTS SEPTIC TANK AND A DRAIN FIELD ON THIS LOT. THE SITE EVALUATOR JOSE A. GONZALEZ REG. # 12256, HAS EVALUATED THE SUITABILITY OF THE SUBDIVISION SITE FOR TOSP AND SUBMITTED A REPORT CONSULTING THAT THE SITE IS SUITABLE FOR TOSP. THE REPORT HAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY HEALTH DEPARTMENT. EACH LOT HAS ADEQUATE AREA FOR A REPLACEMENTS DRAIN FIELDS.  
CADA LOTE EN LA SUBDIVISION MERE MEDIO ACRE, SE MEDIDOR DOS EXCAVACIONES DE EVALUACION EN LOS LUGARES OPUESTOS EN LA SUBDIVISION (EXCAVACIONES RECONOCER NO FUERON NECESARIAS PORQUE EL TIENEN EN ESTA AREA ES SUFFICIENTEMENTE INFORMACION) EL TIENEN ES INFORME (TIENEN) ANALIZADO Y SE EXTENDE A LA SUBDIVISION SEAN TODAS LAS EXCAVACIONES PROPUESTAS, NO EXISTE EVIDENCIA DE AGUA 24 PALGADAS MAS ARRIBA DE LO MAS BAJO DE LAS EXCAVACIONES PROPUESTAS. EL AGUA EN ESTA AREA FLUYE BIEN.  
EL COSTO TOTAL PARA LA INSTALACION DE UN SISTEMA MEDIDOR DE FOSAS SEPTICAS POR SOLAR SON \$1500.00 DOLARES, INCLUYENDO EL COSTO DEL PERMISO REQUERIDO Y LICENCIA, EN ESTE SISTEMA MEDIDOR DE FOSAS SEPTICAS POR SOLAR SON \$1500.00 DOLARES, INCLUYENDO EL APROXIMACION FINAL, A UN COSTO TOTAL DE \$ 1,500.00. EL DEPARTAMENTO DE SALUBRIDAD DEL CONDAO DE HIDALGO HA RESPONDIDO TODAS LAS FOSAS SEPTICAS Y AN ARRIBADO LA INSTALACION DE LAS FOSAS SEPTICAS DESDE  
EL LOTE 2 YA TIENEN UN SISTEMA SEPTICO

MEZ B. GARZA JR.  
REG. PROFESSIONAL ENGINEER - 60824  
11/15  
P.W.M., TEXAS 78577

REVISION NOTES		
NO.	SHEET	DATE APPROVED



**PRINCIPAL CONTACTS:**

NAME	ADDRESS	CITY & ZIP	PHONE
OWNER: MYRNA SALINAS	P.O. BOX 4000	EDMBURG, TEXAS 78540	785-333-2229
ENGINEER: MEZ B. GARZA JR.	100 E. FERGUSON	EDMBURG, TEXAS 78577	785-333-2229
SURVEYOR: WILLIAM A. MORGAN	2102 SOUTH COMBEE	EDMBURG, TEXAS 78577	785-333-2229

**GARZA AND GARZA ENGINEERING**  
CONSULTING ENGINEERS  
100 E. FERGUSON, P.W.M., TEXAS 78577  
Tel. 806-533-9200

SHEET 1 OF 2

**INDEX TO SHEET OF MYRNA SUBDIVISION**

SHEET	DESCRIPTION
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