



HIDALGO COUNTY PLANNING DEPARTMENT

1304 SOUTH 25TH STREET
EDINBURG TEXAS 78539
Tel. 956-318-2840 Fax. 956-318-2844

Raul E. Sesin, P.E., CFM
Planning Administrator

HIDALGO COUNTY COMMISSIONERS COURT MEETING

DATE: 12-20-2013

PROPOSED SAN MARCOS SUBDIVISION, PRECINCT No. 4.

ENGINEER: QUINTANILLA, HEADLEY AND ASSOC. DEVELOPER: RICHARD SCURLOCK

PRELIMINARY APPROVAL FINAL APPROVAL FINAL APPROVAL WITH FINANCIAL GUARANTEE WITH VARIANCE

NUMBER OF LOTS: 15 *SINGLE FAMILY *MULTI-FAMILY COMMERCIAL INSTITUTIONAL

LOCATION DESCRIPTION: Subdivision is located North of Alberta Rd. approximately 1 mile East of Tower Road.

SUBDIVISION LIES WITHIN THE: *The rural area of the County.*

DRAINAGE REPORT WAS APPROVED BY HCDD#1: ON 11-12-2013 PROPERTY LIES WITHIN FLOOD ZONE: "C" AS PER FEMA.

DRAINAGE DESIGN: On site storm drainage pipe system. Detention will be accomplished by widening the existing drain ditch on the North property line.

ROAD R.O.W. DEDICATION: 10 feet on to Alberta Road.

H.C.R.O.W. PRELIMINARY APPROVAL DATE: 11-14-2013 By, Jesse Ozuna PCT. 4 R.O.W. AGENT

H.C.H.D. PRELIMINARY APPROVAL DATE: 11-14-2013 By, Elizardo "Chardo" Ramos Environmental Health Division Manager

SEWER SYSTEM: OSSF & SOIL ANALYSIS WERE CONDUCTED BY: Jose Angel Gonzalez
 OSSF HAVE BEEN INSTALLED AND INSPECTED BY HCHD ON: _____

WATER SERVICE PROVIDER: N.A.W.S.C. LINE SIZE: 8" LOCATION: South of Alberta Road

H.C.O.E.C. PRELIMINARY APPROVAL DATE: 12-06-2013 ; By Martin Ramirez Environmental Compliance Coordinator

LARGE CONSTRUCTION

The applicant has submitted the required NOI as per Part II, Section E of the TPDES General Permit for Construction Activities (TXR150000) along with a copy of the Erosion Control Plan for the proposed project.

REQUEST FOR FINAL APPROVAL WITH: **Cash Deposit:** Amount: \$ _____ For: OSSF(S) _____ PAVING DRAINAGE STREET SIGNS

A Letter of Credit Financial Institution: _____ L.O.C No. _____
Amount: \$ _____ For: OSSF(S) _____ PAVING DRAINAGE STREET SIGNS

STAFF RECOMMENDS: **Preliminary Approval** *subject comments and future recommendations by planning and other Departments,*

Final Approval *subject to recommendations other departments*

Final Approval *with financial guarantee.*

*This subdivision plat has been reviewed and complies with the Hidalgo County Subdivision Rules,
* Texas Water Development Board Model Subdivision Rules and The Texas Local Government Code.*

LOT 2, BLOCK 54, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGES 24-26, MAP RECORDS, HIDALGO COUNTY, TEXAS.

ABEL No. 3 SUBDIVISION RECORDED IN VOL. 32, P. 188 MAP RECORDS, HIDALGO COUNTY, TX

LOT 2, BLOCK 54, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGES 24-26, MAP RECORDS, HIDALGO COUNTY, TEXAS.

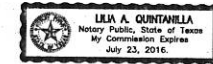
SUBDIVISION PLAT OF:
SAN MARCOS SUBDIVISION

A 10.00 ACRE TRACT OF LAND BEING THE WEST 10.00 ACRES OF THE EAST 26.27 ACRES OF LOT 7, BLOCK 54, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGES 24-26, MAP RECORDS, HIDALGO COUNTY, TEXAS, AND ACCORDING TO WARRANTY DEED WITH VENDOR'S LIEN RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 2291696, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

STATE OF TEXAS
COUNTY OF HIDALGO
OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION
I, **RICHARD SCURLOCK**, AS OWNER OF THE 10.00 ACRES TRACT OF LAND ENCOMPASSED WITHIN THE PROPOSED SAN MARCOS SUBDIVISION, HEREBY SUBDIVIDE THE LAND AS DEPICTED IN THIS SUBDIVISION PLAT AND DEDICATE TO PUBLIC USE THE STREET, PARK, AND EASEMENTS SHOWN HEREIN.
I CERTIFY THAT I HAVE COMPLIED WITH THE REQUIREMENTS OF TEXAS LOCAL GOVERNMENT CODE § 232.032 AND THAT:
(A) THE WATER QUALITY AND CONNECTIONS TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS;
(B) SEWER CONNECTIONS TO THE LOTS OR SEPTIC TANKS MEET, OR WILL MEET, THE MINIMUM REQUIREMENTS OF STATE STANDARDS;
(C) ELECTRICAL CONNECTIONS PROVIDED TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS;
(D) GAS CONNECTIONS, IF AVAILABLE, PROVIDED TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS.
I ATTEST THAT THE MATTERS ASSERTED IN THIS PLAT ARE TRUE AND COMPLETE.

SCURLOCK CONSTRUCTION & DEVELOPMENT LLC
RICHARD SCURLOCK, OWNER
3714 S. EXPRESSWAY 281
EDINBURG TX, 78539

STATE OF TEXAS
COUNTY OF HIDALGO
SCURLOCK CONSTRUCTION & DEVELOPMENT LLC
BEFORE ME, the undersigned authority, on this day personally appeared **RICHARD SCURLOCK**, OWNER known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for purposes and considerations therein.



LILIA A. QUINTANILLA - NOTARY PUBLIC

HIDALGO COUNTY
CERTIFICATE OF PLAT APPROVAL
UNDER LOCAL GOVERNMENT CODE § 232.028(a)

WE THE UNDERSIGNED CERTIFY THAT THIS PLAT OF THE SAN MARCOS SUBDIVISION, WAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY COMMISSIONERS COURT ON _____

Hidalgo County Judge _____ Date _____
Hidalgo County Clerk _____ Date _____

THIS PLAT IS HEREBY APPROVED BY HIDALGO COUNTY IRRIGATION DISTRICT NO. 2 ON THIS, THE _____ DAY OF _____, 20____.

NO IMPROVEMENTS OF ANY KIND (INCLUDING WITHOUT LIMITATION, TREES, FENCES, AND BUILDINGS) SHALL BE PLACED UPON HIDALGO COUNTY IRRIGATION DISTRICT #2 RIGHTS OF WAYS OR EASEMENTS.

ATTEST: _____
PRESIDENT SECRETARY

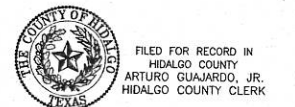
HIDALGO COUNTY
CERTIFICATE OF PLAT APPROVAL

I, THE UNDERSIGNED, CERTIFY THAT THIS PLAT OF SAN MARCOS SUBDIVISION WAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY HEALTH DEPARTMENT ON _____

ENVIRONMENTAL HEALTH DIVISION MANAGER _____ DATE _____

NOTE: HIDALGO COUNTY DRAINAGE DISTRICT NO. 1 HEREBY CERTIFIES THAT THE DRAINAGE PLANS FOR THIS SUBDIVISION COMPLY WITH THE MINIMUM STANDARDS OF THE DISTRICT ADOPTED UNDER TEXAS CODE NO. 49.211(c). THE DISTRICT HAS NOT REVIEWED AND DOES NOT CERTIFY THAT THE DRAINAGE STRUCTURES DESCRIBED ARE APPROPRIATE FOR THE SPECIFIC SUBDIVISION, BASED ON GENERALLY ACCEPTED ENGINEERING CRITERIA. IT IS THE RESPONSIBILITY OF THE DEVELOPER OF THE SUBDIVISION AND ITS ENGINEER TO MAKE THESE DETERMINATIONS.

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
BY: _____



FILED FOR RECORD IN
HIDALGO COUNTY
ARTURO GUJARDO, JR.
HIDALGO COUNTY CLERK
ON: _____ AT _____ AM/PM
INSTRUMENT NUMBER _____
OF THE MAP RECORDS OF HIDALGO COUNTY, TEXAS
BY: _____ DEPUTY

SHEET No. 1	FILENAME: F:\DATA\SUBDIVS\HIDALGO CO\SAN MARCOS SUBDIVISION\PLAT
OF 3 SHEETS	DATE PREPARED: 11-5-13
	PREPARED BY: M.G.
	CHECKED BY: _____
	APPROVED BY: _____
	DATE REVISED: _____
	REVISED BY: _____
	CHECKED BY: _____
	APPROVED BY: _____

PLAT NOTES AND RESTRICTIONS:

- FLOOD ZONE STATEMENT:
FLOOD ZONE DESIGNATION: ZONE "C"
AREAS OF MINIMAL FLOODING. (NO SHADING)
COMMUNITY-PANEL NUMBER 480334 0425 C
MAP REVISED: NOVEMBER 16, 1982
CONSTRUCTION OF RESIDENTIAL HOUSING WITHIN ANY AREA OF THE SUBDIVISION THAT IS IN THE 100-YEAR FLOODPLAIN IS PROHIBITED UNLESS THE HOUSING QUALIFIES FOR INSURANCE UNDER THE NATIONAL FLOOD INSURANCE ACT OF 1968 (42 U.S.C. SECTIONS 4001 THROUGH 4127).
- LEGEND * - DENOTES 1/2" IRON ROD SET WITH PLASTIC CAP STAMPED RPLS 4856, UNLESS OTHERWISE NOTED.
- SETBACKS:
FRONT: _____ 25.00 FEET
REAR: _____ 15.00 FEET
SIDE: _____ 6.00 FEET
CORNER SIDE: 10.00 FEET CORNER GARAGE SIDE: 18.00 FEET
CORNER GARAGE FRONT: 18.00 FEET
OR EASEMENT WHICHEVER IS GREATER IN ALL CASES
- GENERAL NOTE FOR SINGLE FAMILY RESIDENCES:
NO MORE THAN ONE-SINGLE FAMILY DETACHED DWELLING SHALL BE LOCATED ON EACH LOT. THIS MUST BE STIPULATED ON ALL DEEDS AND CONTRACTS FOR DEEDS. APPLICATIONS FOR CONSTRUCTION ARE REQUIRED PRIOR TO OCCUPYING THE LOT. (ANY OTHER USE SHALL REQUIRE PLANNING DEPARTMENT, HEALTH DEPARTMENT OFFICE OF ENVIRONMENTAL COMPLIANCE AND FIRE MARSHALL APPROVAL). APPLICATIONS FOR CONSTRUCTION ARE REQUIRED PRIOR TO OCCUPYING THE LOT.
- MINIMUM FINISH FLOOR NOTE:
MINIMUM FINISH FLOOR ELEVATION SHALL BE 18" ABOVE TOP OF CURB STREET OR 18" ABOVE NATURAL GROUND, WHICHEVER IS GREATER. ELEVATION CERTIFICATE MAY BE REQUIRED FOR LOTS LOCATED OUTSIDE A DESIGNATED FLOOD ZONE AT THE TIME FOR APPLICATION FOR CONSTRUCTION TO VERIFY PRE AND POST CONSTRUCTION FINISH FLOOR ELEVATIONS. AN ELEVATION CERTIFICATE SHALL BE REQUIRED FOR ALL LOTS WITHIN A DESIGNATED FLOOD ZONE AT THE TIME FOR A DEVELOPMENT PERMIT APPLICATION.
- BENCHMARK NOTE:
THE FOLLOWING BENCHMARK IS IDENTIFIED ON THE FACE OF THE PLAT AND ON THE ATTACHED ENGINEERING PLANS.
B.M. No.1: ELEV.= 88.24 FND. C.P.S. AT THE SOUTHEAST CORNER OF THIS PROP. SUBD. NAVD 88 DATUM.
B.M. No.2: ELEV.= 90.53 SQUARE CUT MADE AT SOUTH SIDE OF HIGH POWER TRANSMISSION POLE CONCRETE BASE LOCATED 39.33 FEET SOUTH AND 474.5 FEET EAST FROM SOUTHEAST CORNER OF THIS SUBDIVISION. NAVD. 88 DATUM.
- DRAINAGE:
IN ACCORDANCE WITH THE HIDALGO COUNTY DRAINAGE DISTRICT No. 1 AND HIDALGO COUNTY REQUIREMENTS, THIS DEVELOPMENT WILL BE REQUIRED TO OBTAIN A TOTAL OF 12,025.21 CUBIC FEET (0.39 ACRE FEET) OF STORM WATER RUNOFF DRAINAGE RETENTION IN ACCORDANCE WITH THE LOCAL REQUIREMENTS WILL BE ACCOMPLISHED AS FOLLOWS:
SEE DRAINAGE REPORT ON SHEET No. 2.
- NO STRUCTURE SHALL BE PERMITTED OVER ANY EASEMENT.
EASEMENTS SHALL BE KEPT CLEAR OF FENCES, BUILDINGS, SHEDS, SHRUBS TREES, AND OTHER PLANTINGS (EXCEPT LOW, LESS THAN 18 INCHES MATURE HEIGHT, GROUND COVER, GRASS, OR FLOWERS) AND OTHER OBSTRUCTIONS TO THE OPERATION AND MAINTENANCE OF THE EASEMENT.
- EACH PURCHASED CONTRACT MADE BETWEEN A SUBDIVIDER AND PURCHASER OF A LOT IN THIS SUBDIVISION SHALL CONTAIN A STATEMENT DESCRIBING HOW AND WHEN WATER, SEWER, ELECTRICITY AND GAS SERVICES WILL BE MADE AVAILABLE TO THE SUBDIVISION.
- ALL PUBLIC UTILITIES EASEMENTS DEDICATED BY THIS PLAT SHALL BE A MINIMUM WIDTH OF 10.00 FEET AS PER THE HIDALGO COUNTY MODEL SUBDIVISION RULES. BY SIGNING THIS PLAT DEVELOPER AND ENGINEER CERTIFY THAT ALL OTHER EASEMENTS SHOWN COMPLY WITH THE SIZE REQUIRED BY EACH UTILITY PROVIDER OCCUPYING AN EASEMENT.
- ON-SITE SEWAGE FACILITIES (OSSF) NOTE:
THIS SUBDIVISION SHALL USE ON-SITE SEWAGE FACILITIES IN ACCORDANCE WITH TCEQ AND HIDALGO COUNTY REGULATIONS FOR SEWAGE DISPOSAL.
THE SUBDIVIDER IS RESPONSIBLE FOR PROVIDING AN OSSF ON ALL LOTS.
A. OSSF SYSTEM IS BEING DESIGNED FOR DISPOSAL OF DOMESTIC SEWAGE ONLY.
B. EACH LOT ON THIS PLAT COMPLIES WITH THE MINIMUM 21,780 SQUARE FEET LOT AREA WITH POTABLE WATER SUPPLY.
C. OSSF SYSTEM SHALL REQUIRE INSPECTION AND APPROVAL BY HIDALGO COUNTY AUTHORIZED DEPARTMENT.
D. SOIL ANALYSIS HAVE BEEN SUBMITTED TO THE AUTHORIZED HIDALGO COUNTY DEPARTMENT AND EXCEPT MAY BE ALSO SEEN ON THE UTILITY LAYOUT FOR THIS SUBDIVISION AS SUBMITTED TO THE HIDALGO COUNTY PLANNING DEPARTMENT. THE SOIL EVALUATOR HAS DETERMINED THAT THE SOIL IS SUITABLE FOR A STANDARD SEPTIC TANK AND ABSORPTIVE DRAINFIELD SYSTEM.
E. APPROVED "OSSF" PERMIT APPLICATION IS REQUIRED INCLUDING INDIVIDUAL LOT PLANNING MATERIALS PRIOR TO OCCUPYING A LOT.
- THERE ARE NO WATER WELLS WITHIN 150 FEET FROM THE BOUNDARIES ON THIS SUBDIVISION.
- LOTS 1 AND 15 SHALL NOT HAVE ACCESS/DRIVEWAY ONTO ALBERTA ROAD.
- NO COMMERCIAL USE SHALL BE ALLOWED ON ALL INTERNAL LOTS 2 THROUGH 14.
- AN OFF-STREET PARKING LOT SITE PLAN AND DRAINAGE PLAN APPROVAL BY THE HIDALGO COUNTY PLANNING DEPARTMENT AND OFFICE OF ENVIRONMENTAL COMPLIANCE SHALL BE REQUIRED FOR COMMERCIAL & INDUSTRIAL USE AT THE TIME OF APPLICATION FOR CONSTRUCTION PRIOR TO THE ISSUANCE OF A BUILDING AND/OR DEVELOPMENT PERMIT. NO WATER OR LIGHT CLEARANCES SHALL BE ISSUED UNTIL THE SITE PLAN, DRAINAGE PLAN AND OSSF PLAN ARE APPROVED AND PROPOSED IMPROVEMENTS ARE CONSTRUCTED IN ACCORDANCE WITH COUNTY AND STATE STANDARDS.
- LOTS 1 AND 15 SHALL NOT HAVE ACCESS/DRIVEWAY ONTO ALBERTA ROAD UNLESS UTILIZED FOR COMMERCIAL USE. IF THE AFOREMENTIONED LOTS ARE UTILIZED FOR COMMERCIAL USE, THEN THE LOT OWNER WILL BE REQUIRED TO INSTALL A BUFFER FENCE ABUTTING ALL RESIDENTIAL LOTS. LOCATION OF ACCESS/DRIVEWAY SHALL BE SHOWN ON THE SITE PLAN AS PER NOTE AND IS SUBJECT TO APPROVAL FROM THE HIDALGO COUNTY PLANNING DEPARTMENT.
- THE EXIST. EARTH CANAL ALONG WITH THE 20" PVC WILL BE REMOVED.

STATE OF TEXAS
COUNTY OF HIDALGO

I, THE UNDERSIGNED, A REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECT, AND WAS MADE AND PREPARED FROM AN ACTUAL SURVEY OF THE PROPERTY DONE ON THE GROUND UNDER MY SUPERVISION.

ALFONSO QUINTANILLA
R.P.L.S. No. 4856
DATE 10-7-13

STATE OF TEXAS
COUNTY OF HIDALGO

I, THE UNDERSIGNED, A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THE PROPER ENGINEERING CONSIDERATIONS HAVE BEEN GIVEN TO THIS PLAT.

ALFONSO QUINTANILLA
P.E. No. 95634
DATE 12-5-13

RIGHT OF WAY EASEMENT

KNOW ALL MEN BY THESE PRESENTS, that the undersigned, owners of the property shown on this plat, their successors, assigns, and transferees (hereinafter called "Grantor" whether one or more persons are named), in consideration of one dollar (\$1.00) and other good and valuable consideration paid by North Alamo Water Supply Corporation, (hereinafter called "Grantee"), the receipt and sufficiency of which is hereby acknowledged, does hereby grant, bargain, sell, transfer, and convey to right to erect, construct, install and thereafter use, and thereafter use, repair, maintain, replace, and remove water distribution lines and appurtenances over and across the lands shown on this plat, together with the above mentioned rights over Grantor's adjacent lands of the purpose for which the above mentioned rights are granted. The easement hereby granted shall not exceed 15' in width, and Grantee is hereby authorized to designate the course of the easement herein conveyed except in the event the easement hereby granted abuts on a public road and the city, county or state hereafter widens or relocates the public road so as to require the relocation of the water line as installed. Grantor further grants to Grantee an additional easement over and across the land shown on this plat for the purpose of laterally relocate said water line as may be necessary to clear the road of improvements, which easement hereby granted shall be limited to a strip of land 15' in width, the center line thereof being the pipeline as relocated.

The consideration recited herein shall constitute payment in full for all damages sustained by Grantor by reason of the installation, maintenance, repair, replacement and relocation of the structures referred to herein. This agreement together with other provisions of this grant shall constitute an easement for the benefit of the Grantee its successors, and assigns. The Grantor covenants that it is the owner of the above-described lands and that said lands are free and clear of all encumbrances and liens except the following:

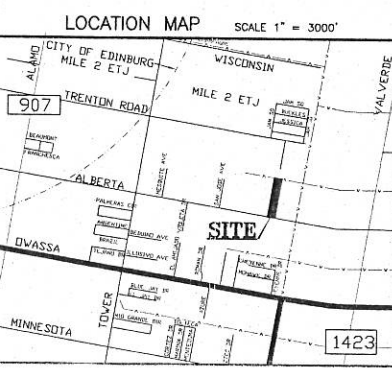
The easement conveyed herein was obtained or improved through Federal financial assistance. This easement is subject to the provisions of Title VI of the Civil Rights Act of 1964 and the regulations issued pursuant thereto for so long as the easement continues to be used for the same or similar purpose for which financial assistance was extended or for so long as the Grantee owns it, whichever is longer.

IN WITNESS WHEREOF the said Grantor executed this instrument this _____ day of _____ 20____.

LOT	AREA (S.F.)	AREA (AC.)
1	23,347.50	0.541
2-5	21,840.00	0.501
6	21,867.50	0.502
7-9	22,000.00	0.505
10	21,867.50	0.502
11-14	21,840.00	0.501
15	23,065.23	0.531

LINE DATA TABLE	DATA	BEARING	LENGTH
L1	N	36°28'09" E	35.36'
L2	S	53°31'51" E	35.36'
L3	N	53°31'51" W	21.21'
L4	N	36°28'09" E	21.21'

- INDEX OF SHEETS
- SHEET 1.- HEADING INDEX; LOCATION MAP AND ETJ; PRINCIPAL CONTACTS; MAP; LOT, STREETS, AND EASEMENT LAYOUT; DESCRIPTION (METES AND BOUNDS); ENGINEER'S & SURVEYOR'S CERTIFICATION; NOTES AND RESTRICTIONS; OWNER'S DEDICATION, CERTIFICATION, PLAT ATTESTATION; COUNTY CLERK'S RECORDING CERTIFICATE; REVISION NOTES; HSDO NO. 1 CERTIFICATION, NORTH ALAMO WSC STATEMENT, HEALTH DEPARTMENT HIDALGO COUNTY IRRIGATION DISTRICT NO. 2 CERTIFICATE AND COUNTY JUDGE'S CERTIFICATION, REVISION NOTES.
 - SHEET 2.- ENGINEERING REPORT, INCLUDING DESCRIPTION OF WATER AND WASTE WATER AND ENGINEER'S CERTIFICATION (ENGLISH AND SPANISH VERSION) SUBDIVIDER CERTIFICATE & STATEMENT, REVISION NOTES.
 - SHEET 3.- DRAINAGE REPORT INCLUDING DESCRIPTION OF DRAINAGE AND DRAINAGE SWALES, MAP OF TOPOGRAPHY AND DRAINAGE, AND ENGINEERING CERTIFICATION, CONSTRUCTION DETAILS, REVISION NOTES.



LOCATION OF SUBDIVISION WITH RESPECT TO THE EXTRATERRITORIAL JURISDICTION OF A MUNICIPALITY:
SAN MARCOS SUBDIVISION, IS LOCATED IN EAST HIDALGO COUNTY ON THE NORTH SIDE OF ALBERTA ROAD AND EAST SIDE OF TOWER ROAD. THE ONLY NEARBY MUNICIPALITY IS THE CITY OF EDINBURG ACCORDING TO THE OFFICIAL MAP IN THE OFFICE OF THE SECRETARY OF THE CITY OF EDINBURG (POPULATION 81,029). SAN MARCOS SUBDIVISION LIES APPROXIMATELY 1,900.00 FEET FROM THE CITY LIMITS AND IT IS NOT WITHIN THE CITY'S TWO-MILE EXTRA-TERRITORIAL JURISDICTION (ETJ) UNDER LOCAL GOVERNMENT CODE § 42.021. LIES IN PRECINCT 4.

PRINCIPAL CONTACTS:
Name Address City & Zip Phone Fax
OWNER: RICHARD SCURLOCK 3714 S. EXPRESSWAY 281 EDINBURG, TX 78539 386-0723
ENGINEER: ALFONSO QUINTANILLA 124 E. STUBBS EDINBURG, TX 78539 381-6480 381-0527
SURVEYOR: ALFONSO QUINTANILLA 124 E. STUBBS EDINBURG, TX 78539 381-6480 381-0527

QUINTANILLA, HEADLEY AND ASSOCIATES, INC.
CONSULTING ENGINEERS LAND SURVEYORS
124 E. STUBBS ST. EDINBURG, TEXAS 78539
REGISTRATION NUMBER F-1513
PHONE 956-381-6480
FAX 956-381-0527
OFFICE@QHAENGINEERING.COM

SCURLOCK CONSTRUCTION & DEVELOPMENT LLC
RICHARD SCURLOCK, OWNER
3714 S. EXPRESSWAY 281
EDINBURG TX, 78539

SAN MARCOS SUBDIVISION

A 10.00 ACRE TRACT OF LAND BEING THE WEST 10.00 ACRES OF THE EAST 26.27 ACRES OF LOT 7, BLOCK 54, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGES 24-26, MAP RECORDS, HIDALGO COUNTY, TEXAS, AND ACCORDING TO WARRANTY DEED WITH VENDOR'S LIEN RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 2291696, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

FINAL ENGINEERING REPORT FOR SAN MARCOS SUBDIVISION: BY ALFONSO QUINTANILLA, P.E.

WATER SUPPLY: Description and Costs.

SAN MARCOS SUBDIVISION WILL BE PROVIDED WITH POTABLE WATER BY NORTH ALAMO WATER SUPPLY CORPORATION ("N.A.W.S.C."). THE SUBDIVIDER AND N.A.W.S.C. HAVE ENTERED INTO A CONTRACT IN WHICH N.A.W.S.C. PROMISED TO PROVIDE SUFFICIENT WATER TO THE SUBDIVISION FOR AT LEAST 30 YEARS AND N.A.W.S.C. HAVE PROVIDED DOCUMENTATION TO SUFFICIENTLY ESTABLISH THE LONG TERM QUANTITY AND QUALITY OF THE AVAILABLE WATER SUPPLIES TO SERVE THE FULL DEVELOPMENT OF THE SUBDIVISION. N.A.W.S.C. HAS AN EXISTING 8" DIAMETER WATERLINE RUNNING ALONG THE SOUTH SIDE OF ALBERTA ROAD.

THE WATER SYSTEM FOR SAN MARCOS SUBDIVISION CONSIST OF AN 8" DIAMETER WATERLINE THAT CONNECTS TO THE SAID 8" WATERLINE ON OWASSA ROAD AND RUNS NORTH ALONG THE WEST SIDE OF STREET 01. THE 8" DIAMETER WATERLINE TURNS EAST AND WEST, ENDING WITH A 2" FLUSH VALVE IN FRONT OF LOTS 7 AND 9.

FROM THE 8" WATERLINE, FIVE (5) 1" DUAL WATER SERVICES RUN TO PAIRS OF LOTS BEFORE SPLITTING INTO 3/4" DIAMETER SINGLE SERVICES AND FIVE (5) 3/4" DIAMETER SINGLE SERVICE GOES TO THE METER BOXES FOR EACH LOT.

SEWAGE FACILITIES: Description and Costs.

SEWAGE FROM SAN MARCOS SUBDIVISION, IS TREATED BY INDIVIDUAL ON-SITE SEWAGE FACILITIES ("OSSF") CONSISTING OF A STANDARD DESIGN DUAL COMPARTMENT SEPTIC TANK AND A DRAINFIELD ON EACH LOT. THE SITE EVALUATOR (LICENSE NUMBER OS 12258) HAS EVALUATED THE SUITABILITY OF THE SUBDIVISION SITE FOR OSSF AND SUBMITTED A REPORT CONCLUDING THAT THE SITE IS SUITABLE FOR OSSF. THE REPORT WAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY HEALTH DEPARTMENT. HIGHLIGHTS OF THE REPORT ARE AS FOLLOWS:

EACH LOT IN THE SUBDIVISION IS AT LEAST 1/2 ACRE IN SIZE. THE UNITED STATES OF AGRICULTURE SOIL CONSERVATION SERVICE SOIL SURVEY BOOK INDICATED A FINE SANDY LOAM. THE SITE EVALUATOR (LICENSE NUMBER OS 12258) HAD FOUR (4) TEST BORINGS MADE AT OPPOSITE AREAS OF THE SUBDIVISION AT THE CENTERS OF LOTS 2, 6, 10 AND 14 (ADDITIONAL BORINGS WERE UNNECESSARY BECAUSE THE SOILS ARE VERY UNIFORM WITHIN THIS LIMITED AREA.) THE SOIL REPORT AS PREPARED BY THE SITE EVALUATOR (LICENSE NUMBER OS 12258) INDICATES A CLAY LOAM AND SANDY CLAY LOAM (WITH TEXTURE CLASS 1) EXTENDING MORE THAN 24" BELOW THE BOTTOM OF ANY EXIST. EXCAVATIONS. THE SUBDIVISION DRAINS WELL, THE 10-YEAR STORM BEING CONTAINED WITHIN THE STREET AND THE DRAINAGE EASEMENTS.

THE COST TO INSTALL A SEPTIC SYSTEM ON AN INDIVIDUAL LOT IS \$ _____ INCLUDING THE COST FOR THE REQUIRED PERMIT AND LICENSE. ALL OSSFS HAVE BEEN INSTALLED AS OF THE TIME OF APPLICATION FOR FINAL PLAT APPROVAL AT A TOTAL COST OF \$ _____. THE HIDALGO COUNTY HEALTH DEPARTMENT HAS INSPECTED AND APPROVED THE INSTALLATION OF ALL OSSF ON _____.

CERTIFICATION:

BY MY SIGNATURE BELOW, I CERTIFY THAT THE WATER AND SEWAGE SERVICE FACILITIES DESCRIBED ABOVE ARE IN COMPLIANCE WITH THE MODEL RULES ADOPTED UNDER SECTION 16.343, WATER CODE THAT CERTIFY THAT THE ESTIMATED COSTS TO INSTALL CONSTRUCTED WATER AND ON-SITE SEWAGE FACILITIES, DISCUSSED ABOVE, ARE AS FOLLOWS:

WATER FACILITIES- THESE FACILITIES ARE FULLY CONSTRUCTED, WITH INSTALLATION OF WATER METERS, AT A TOTAL COST OF \$ _____ OR \$ _____ PER LOT.

SEWAGE FACILITIES- THESE FACILITIES FULLY CONSTRUCTED WILL COST A GRAND TOTAL OF \$ _____ WHICH EQUALS TO \$ _____ PER LOT.



Alfonso Quintanilla
ALFONSO QUINTANILLA
P.E. 95534
DATE 12-5-13

REPORTE FINAL DE INGENIERIA PARA LA SUBDIVISION SAN MARCOS SUBDIVISION: POR ALFONSO QUINTANILLA, P.E.

PROVISION DE AGUA: Description y Gastos.

SAN MARCOS SUBDIVISION SERA PROVISTA DE AGUA POTABLE POR LA COMPANIA DE AGUA DE NORTH ALAMO WATER SUPPLY CORPORATION (N.A.W.S.C.). EL DUEÑO DE LA SUBDIVISION Y LA COMPANIA DE AGUA N.A.W.S.C. SE HAN COMPROMETIDO A PROVEER DE AGUA SUFICIENTE A LA SUBDIVISION POR UN PERIODO DE 30 AÑOS. LA COMPANIA DE AGUA N.A.W.S.C. HA PRESENTADO LA DOCUMENTACION DEMOSTRANDO LA DISPONIBILIDAD DE CANTIDAD Y CALIDAD DE AGUA A LARGO PLAZO QUE SERVIRA PARA EL FUTURO DESARROLLO DE LA SUBDIVISION. N.A.W.S.C. TIENE UN LINEA EXISTENTE DE 8" DE DIAMETRO DE AGUA QUE CORRE POR EL LADO SUR DE CALLE OWASSA ROAD.

EL SISTEMA DE AGUA PARA SAN MARCOS SUBDIVISION CONSISTE DE UNA LINEA DE AGUA DE 8" DE DIAMETRO QUE SE CONECTA CON LA LINEA EXISTENTE DE AGUA DE 8" DE DIAMETRO Y CORRE NORTE POR EL LADO OESTE DE LA CALLE STREET 01. LA LINEA DE AGUA DE 8" DE DIAMETRO VOLTEA ESTE Y OESTE, TERMINANDO CON UNA VALVULA DE 2" EN FRENTE DE LOTES 7 Y 9.

DE LA LINEA DE 8" DE DIAMETRO, SE DESPRENDEN SIETE (7) SERVICIOS DOBLES DE 1" DE DIAMETRO QUE CORREN EN PAREAS Hacia LOS LOTES PARA DESPUES DIVIDIRSE EN DOS SERVICIOS SENCILLOS DE 3/4" DE PULGADA, Y UNO (1) SERVICIO SENCILLO DE 3/4" QUE VAN HACIA LOS MEDIDORES DE CADA LOTE.

LA LINEA DE 8" DE DIAMETRO, LAS LINEAS DE SERVICIO DOBLE DE 1" DE DIAMETRO, LAS LINEAS DE SERVICIO SENCILLO DE 3/4" DE DIAMETRO Y LAS CAJAS DE LOS MEDIDORES DE AGUA HA SIDO INSTALADOS A UN COSTO TOTAL DE US\$ _____ O US\$ _____ POR LOTE. ADICIONALMENTE, EL DUEÑO DE LA SUBDIVISION PAGARA A N.A.W.S.C. LA CANTIDAD DE US\$ _____ O US\$ _____ POR SOLAR DE ACUERDO AL CONTRATO Y DOCUMENTO DE 30 AÑOS DE SERVICIO DE AGUA POTABLE EL CUAL CUBRE LOS MEDIDORES DE AGUA, INSTALACION, CONEXION Y MANTENIMIENTO. CUANDO EL DUEÑO DE CADA LOTE SOLICITE UN MEDIDOR DE AGUA, LA COMPANIA N.A.W.S.C. LO INSTALARA SIN ALCANZAR EL DUEÑO DE LA SUBDIVISION TAMBIEN HA INSTALADO DOS (2) BOCAS DE RIEGO (FIRE HYDRANT) A UN COSTO DE US\$ _____ POR CADA UNO CUAL GASTA UNA CANTIDAD TOTAL US\$ _____. EL SISTEMA DE AGUA ESTARA EN FUNCIONAMIENTO COMPLETO ANTES O EN LA FECHA, EN LA CUAL LA SUBDIVISION SEA REGISTRADA EN EL CONDADO DE HIDALGO.

DRENAJE: Description y Gastos.

EL DRENAJE DE SAN MARCOS SUBDIVISION, TENDRA FOSAS SEPTICAS INDIVIDUALES (OSSF) CONSISTIENDO EN UN DISEÑO NORMAL, CON DOBLE COMPARTIMIENTO DE FOSA SEPTICA (OSSF) Y UN CAMPO DE DRENAJE EN CADA SOLAR. EL EVALUADOR (LIC# OS 12258) DE ENSUCE HA INSPECCIONADO, EVALUADO Y REPORTADO QUE LA UBICACION DE LA SUBDIVISION ES CONVENIENTE PARA FOSAS SEPTICAS (OSSF). EL REPORTE FUE EXAMINADO Y APROBADO POR EL DEPARTAMENTO DE SALUD DEL CONDADO DE HIDALGO.

CADA SOLAR EN LA SUBDIVISION MIDE MEDIO ACRE DE TAMAÑO. EL LIBRO DE SERVICIOS Y CONSERVACION DEL SUELO DEL DEPARTAMENTO DE AGRICULTURA DE LOS ESTADOS UNIDOS (USDA) INDICA UNA MEZCLA DE BARRO ARENOSO. EL EVALUADOR (LIC# OS 12258) HIZO CUATRO (4) PRUEBAS CON AGUJEROS EN EL CENTRO DE LOS LOTES 2, 6, 10 Y 14. (PRUEBAS ADICIONALES NO FUERON NECESARIAS PORQUE EL SUELO ES MUY UNIFORME DENTRO DEL AREA DELIMITADA). EL SUELO ES UN MARGA DE BARRO ARENOSO Y PRESENCIA DE AGUA SUBTERRANEA BAJA LA CAPA DE 24 PULGADAS DE FONDO DE LAS EXCAVACIONES.

EL COSTO TOTAL PARA LA INSTALACION DE UN SISTEMA INDIVIDUAL DE FOSAS SEPTICAS POR SOLAR SON US\$ _____ INCLUYENDO EL COSTO DEL PERMISO REQUERIDO Y LICENCIA. EN ESTOS MOMENTOS TODAS LAS FOSAS SEPTICAS HAN SIDO INSTALADAS EN EL PROCESO DE LA APROBACION FINAL A UN COSTO TOTAL DE US\$ _____. EL DEPARTAMENTO DE SALUBRIDAD DEL CONDADO DE HIDALGO HA INSPECCIONADO TODOS LAS FOSAS SEPTICAS Y AH APROBADO LA INSTALACION DE LAS FOSAS SEPTICAS DESDE EL DEPARTAMENTO DE SALUBRIDAD DEL CONDADO DE HIDALGO.

CERTIFICACION:

CON MI FIRMA, CERTIFICO QUE LOS SERVICIOS Y SISTEMAS DE AGUA Y DE DRENAJE, DESCRITOS EN ESTE DOCUMENTO, CUMPLEN CON LAS MODEL SUBDIVISION RULES (LAS REGLAS GOBIERNANDO A LAS SUBDIVISIONES), ADOPTADAS EN LA SECCION 16.343 DEL TEXAS WATER CODE (CODIGO DE AGUA DE TEXAS). CERTIFICO QUE LOS GASTOS PARA INSTALAR LOS SISTEMAS DE AGUA Y DRENAJE SON:

AGUA: EL SISTEMA DE AGUA FUE CONSTRUIDO, CON LA INSTALACION DE LOS MEDIDORES DE AGUA, EL COSTO TOTAL ES DE US\$ _____ O US\$ _____ POR LOTE.

DRENAJE: SE ESTIMA QUE LAS FOSAS SEPTICAS COSTARAN US\$ _____ POR LOTE (TODO INCLUIDO) A UN COSTO TOTAL DE US\$ _____ PARA TODA LA SUBDIVISION.



Alfonso Quintanilla
ALFONSO QUINTANILLA
P.E. 95534
DATE 12-5-13

LOT 2, BLOCK 54, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGES 24-26, MAP RECORDS, HIDALGO COUNTY, TEXAS.

S 81°28'09" E
330.00'

LOT 2, BLOCK 54, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGES 24-26, MAP RECORDS, HIDALGO COUNTY, TEXAS.

55' R.O.W. EASEMENT TO H.C.I.D. No. 2

FND. 1/2" IRON ROD WITH PLASTIC CAP STAMPED CVQ LS



SCALE: 1"=100'

THE MARTIN GONZALEZ TRACT, A 10.00 ACRE TRACT OF LAND OUT OF LOT 7, BLOCK 54, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION, HIDALGO COUNTY, TEXAS, ACCORDING TO WARRANTY DEED WITH VENDOR'S LIEN RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 2108428, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

THE ENRIQUE VASQUEZ TRACT, THE WEST 5.0 ACRES OF THE EAST 12.27 ACRES OF LOT 7, BLOCK 54, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION, ACCORDING TO WARRANTY DEED RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 1815447, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

LOT	AREA (S.F.)	AREA (AC.)
1	23,347.50	0.541
2-5	21,840.00	0.501
6	21,867.50	0.502
7-9	22,000.00	0.505
10	21,867.50	0.502
11-14	21,840.00	0.501
15	23,065.23	0.531

DATA	BEARING	LENGTH
L1	N 36°28'09" E	35.36'
L2	S 53°31'51" E	35.36'
L3	N 53°31'51" W	21.21'
L4	N 36°28'09" E	21.21'



SUBDIVIDER CERTIFICATION

1.- BY COMPLETING THE IMPROVEMENTS DESCRIBED ON THE PLAT, SUBDIVIDER WILL COMPLY WITH MINIMUM STATE STANDARDS AND THAT (a) WATER QUALITY AND CONNECTIONS INCLUDING WATER METERS TO THE LOTS MEET SUCH STANDARDS AND (b) SEWER CONNECTIONS TO THE LOTS OR SEPTIC TANKS MEET OR WILL MEET SUCH STANDARDS AND WILL BE CONSTRUCTED IN ACCORDANCE WITH STATE AND COUNTY REGULATIONS.

SUBDIVIDER STATEMENT:

SCURLOCK CONSTRUCTION & DEVELOPMENT
RICHARD SCURLOCK, OWNER
SUBDIVISOR OF SAN MARCOS SUBDIVISION HEREBY CERTIFY SEWER PERMITS, AS APPLICABLE, HAVE BEEN PAID AND COPIES OF RECEIPTS ARE ON FILE WITH THE HIDALGO COUNTY HEALTH DEPARTMENT AND THAT AN ADEQUATE DRINKING WATER SOURCE IS IMMEDIATELY AVAILABLE TO EACH LOT OF THE TYPE, QUALITY & QUANTITY TO ENABLE EACH PERSON PURCHASING A LOT HAVE ADEQUATE WATER TO COMPLY WITH THE REGULATIONS AND THE LAWS OF THE STATE AS REQUIRED BY STATE AND COUNTY REGULATIONS.

STATE OF TEXAS COUNTY OF HIDALGO

BEFORE ME, the undersigned notary public, on this day personally appeared
SCURLOCK CONSTRUCTION & DEVELOPMENT
RICHARD SCURLOCK, OWNER
proved to me through his Texas Department of Public Safety Driver License to be the person whose name is subscribed to the foregoing instrument, who, being by me first duly sworn, declared that the statements therein are true and correct and acknowledged that he executed the same for the purposes and consideration thereby expressed.
Given under my hand and seal of office this _____ day of _____, 20____.



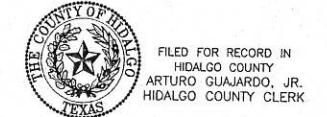
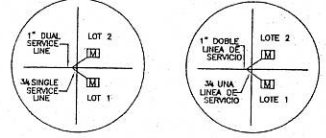
LILIA A. QUINTANILLA-- NOTARY PUBLIC

SCURLOCK CONSTRUCTION & DEVELOPMENT
RICHARD SCURLOCK, OWNER
3714 S. EXPRESSWAY 281
EDINBURG TX, 78539

QUINTANILLA, HEADLEY AND ASSOCIATES, INC.

CONSULTING ENGINEERS LAND SURVEYORS
124 E. STUBBS ST. PHONE 956-381-6480
EDINBURG, TEXAS 78539 FAX 956-381-0527
REGISTRATION NUMBER F-1513 OFFICE@QHAENGINEERING.COM
SURVEYING REGISTRATION NUMBER 100411-00

- B-1 TEST BORINGS
- SEPTIC TANK (OSSF)
- WATER METER BOX
- 8" WATER SUPPLY LINE
- SERVICE LINES
- CAJA DE MEDIDOR DE AGUA
- 8" LINEA DE AGUA
- LINEAS DE SERVICIOS



ON: _____ AT _____ AM/PM
INSTRUMENT NUMBER _____
OF THE MAP RECORDS OF HIDALGO COUNTY, TEXAS

BY: _____ DEPUTY

No.	Sheet	REVISION	Date	Approved

SHEET NO. 2	FILENAME: F:\DATA\SUBDIVISION\HIDALGO\COLOMAN\MARCOS\B-PLAT
OF 3 SHEETS	DATE PREPARED: 11-7-13 PREPARED BY: M. GONZALEZ CHECKED BY: APPROVED BY:
	DATE REVISED: REVISED BY: CHECKED BY: APPROVED BY:

SAN MARCOS SUBDIVISION

A 10.00 ACRE TRACT OF LAND BEING THE WEST 10.00 ACRES OF THE EAST 26.27 ACRES OF LOT 7, BLOCK 54, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGES 24-26, MAP RECORDS, HIDALGO COUNTY, TEXAS, AND ACCORDING TO WARRANTY DEED WITH VENDOR'S LIEN RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 2291696, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

Drainage Report for San Marcos Subdivision
 SAN MARCOS Subdivision is a 10.00 acre tract of land being the west 10.00 acres of the east 26.27 acres of Lot 7, Block 54, Alamo Land and Sugar Company's Subdivision, Hidalgo County, Texas, according to the map or plat thereof recorded in Volume 1, Pages 24-26, map records, Hidalgo County, Texas, and according to warranty deed with vendor's lien recorded in Document Number 2291696, official records, Hidalgo County, Texas. This subdivision is located on the north side of Alberta Road approximately 4,620.00 feet east of Tower Road. The proposed subdivision will consist of 15 residential lots.

The tract is Zone "C" as per FEMA Flood Insurance Rate Map, Community Panel No. 480334 0425 C, dated on November 16, 1982.
 This soil is sandy clay loam, clay, and clay loam. This soil is well drained. Permeability is moderate. Plasticity Index has a range of 11-23. See attached Soil Survey of Hidalgo County, Texas tables.

Presently, the site has very minimal runoff. The existing runoff for the proposed subdivision is Q = 2.63 cubic feet per second based on a 10-year storm.
 After development the runoff will be Q = 8.03 cubic feet per second for an increase of Q = 5.40 cubic feet per second. Detention will be 17,205.21 cubic feet (0.39 acre feet) and will be accomplished by excavating this volume within the existing H.C.I.D. No. 2 Drain Ditch located on the north side of this development. Street runoff will flow into proposed type "A" inlets that drain into a proposed storm sewer system consisting of 18 inch and 24 inch drain lines. The proposed drain lines will drain into the existing H.C.I.D. No. 2 Drain Ditch on the north side of this subdivision.

THE COUNTY DRAINAGE DITCH FLOWS NORTH THEN EAST. THE DRAINAGE DITCH CARRIES WATER EASTWARD WHERE IT EMPTIES INTO LAJUNA MADRE. THE 10 YEAR STORM IS CONTAINED WITHIN THE RIGHT-OF-WAY OF STREET AND WITHIN THE DRAINAGE SWALES OF THE SUBDIVISION AS SHOWN BELOW. A RESTRICTIVE COVENANT (SET OUT ON SHEET 1 UNDER PLAT NOTES AND RESTRICTIONS) PROHIBITS THE CONSTRUCTION OF RESIDENTIAL HOUSING IN ANY AREA OF THE SUBDIVISION THAT IS IN A FLOODPLAIN UNLESS THE HOUSING QUALIFIES FOR INSURANCE UNDER THE NATIONAL FLOOD INSURANCE ACT OF 1968. AS FURTHER NOTED ON SHEET 1, THE FINISHED FLOOR ELEVATION OF EACH HOUSE IS REQUIRED TO BE AT LEAST 18 INCHES ABOVE THE TOP OF THE AVERAGE HEIGHT OF THE CURBS IN FRONT OF THE LOT. THESE MEASURES PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS, AVOID CONCENTRATING RUNOFF ONTO OTHER LOTS, AND COORDINATE INDIVIDUAL LOT DRAINAGE WITH THE GENERAL STORM DRAINAGE PATTERN FOR THE AREA. THE MAP BELOW ILLUSTRATES THE FLOW PATTERNS FOR THE RUNOFF.

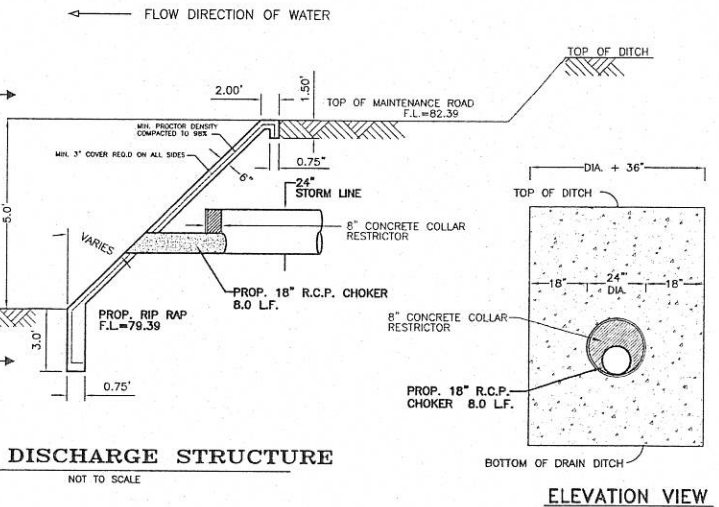
CERTIFICATION:
 BY MY SIGNATURE BELOW, I CERTIFY THAT THE TRACT IS ZONE "C" (AREAS OF MINIMAL FLOODING.) (NO SHADING) AS DESCRIBED IN COMMUNITY PANEL NUMBER 480334 0425 C DATED ON November 16, 1982 IS CONTAINED WITHIN THE DRAINAGE OF THE SUBDIVISION, AS SHOWN BELOW.



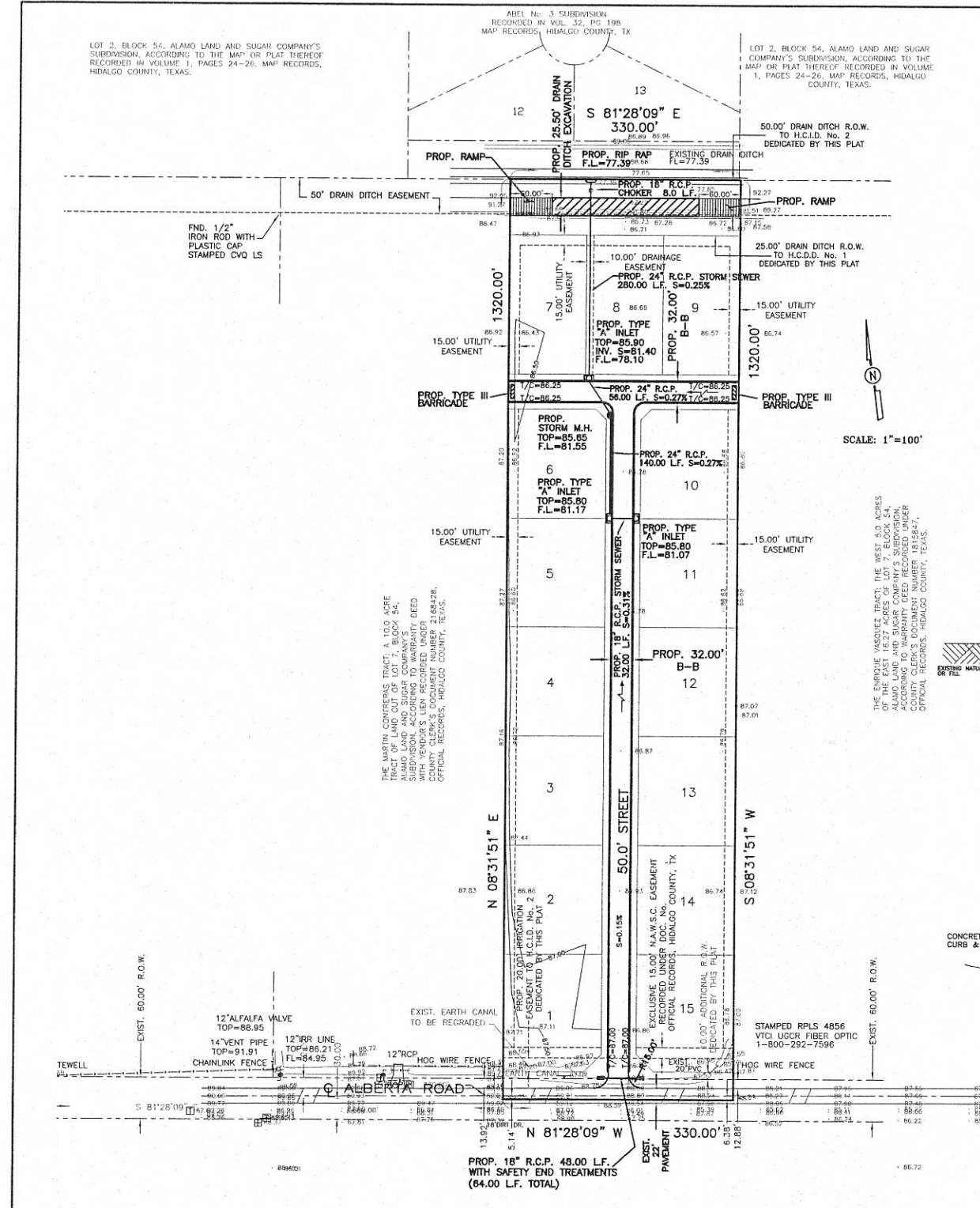
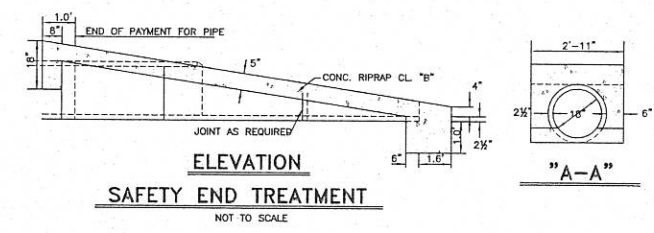
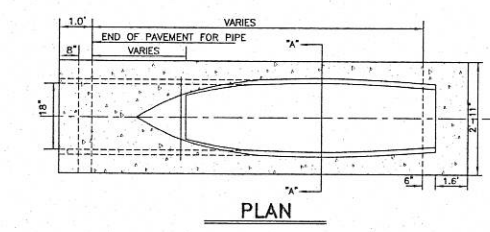
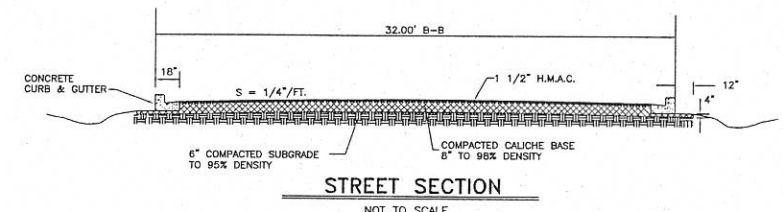
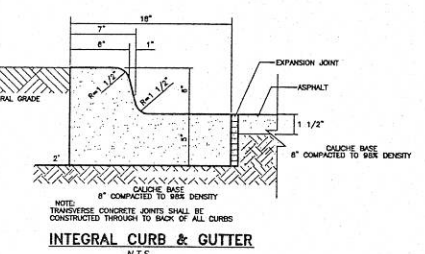
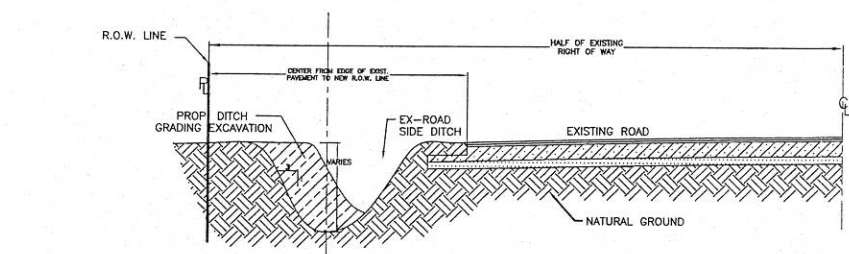
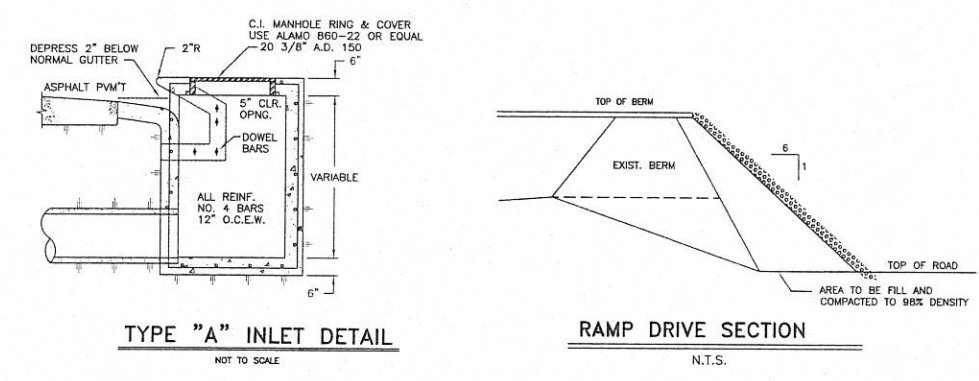
Alfonso Quintanilla
 ALFONSO QUINTANILLA
 P.E. 95534
 DATE 12-5-13

COST ESTIMATE

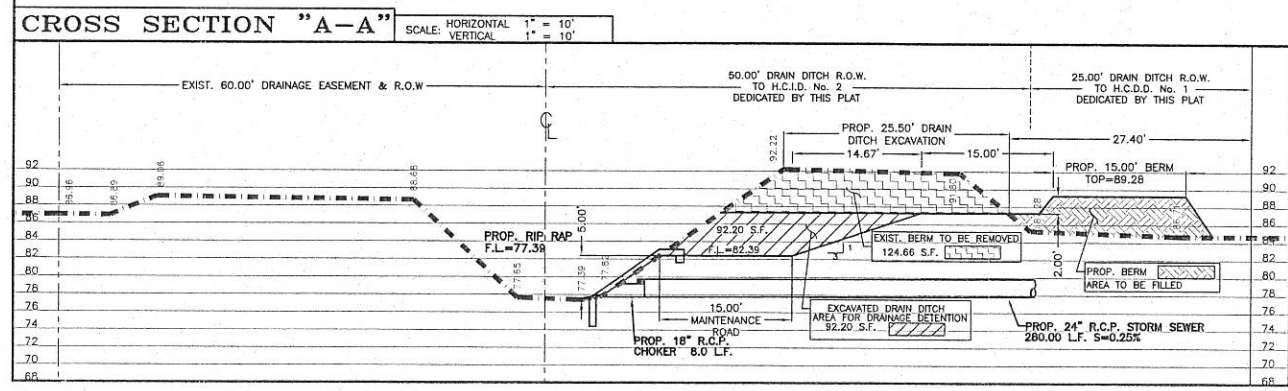
WATER DISTRIBUTION:	\$
DRAINAGE IMPROVEMENTS:	\$
PAVING IMPROVEMENTS:	\$
SEPTIC TANK (OSSF):	\$



- 1.- PROP. CONC. HEADWALL TO CONFORM AROUND DITCH.
- 2.- ALL REINFORCED STEEL SHALL BE GRADE 60
- 3.- CONC. @ 3000 PSI AT MIN. 28 DAYS COMPRESSION STRENGTH.



LEGEND
 TOTAL REQUIRED -17,205.21 C.F.
 TOTAL DETENTION-24,894.00 C.F.



QUINTANILLA, HEADLEY AND ASSOCIATES, INC.
 CONSULTING ENGINEERS LAND SURVEYORS
 124 E. STUBBS ST. PHONE 956-381-6480
 EDINBURG, TEXAS 78539 FAX 956-381-0527
 REGISTRATION NUMBER F-1513 OFFICE@QHAENGINEERING.COM
 SURVEYING REGISTRATION NUMBER 100411-00

FILED FOR RECORD IN HIDALGO COUNTY
 ARTURO GUAJARDO, JR.
 HIDALGO COUNTY CLERK

ON: _____ AT _____ AM/PM
 INSTRUMENT NUMBER _____
 OF THE MAP RECORDS OF HIDALGO COUNTY, TEXAS

BY: _____ DEPUTY

SHEET NO. 3 OF 3 SHEETS	FILENAME: F:\DATA\SUBDIVISIONS\HIDALGO\COVSN\MARCOS\B-PLAT
DATE PREPARED: 11-17-13	CHECKED BY: APPROVED BY:
DATE REVISED: _____	REVISIONS: _____