



T.J. Arredondo, CFM
Director of Planning

HIDALGO COUNTY PLANNING DEPARTMENT

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

HIDALGO COUNTY COMMISSIONERS COURT MEETING

DATE: 9-22-2020

PROPOSED RBR SUBDIVISION NO. 2 PRECINCT No. 4.

ENGINEER: QUINTANILLA, HEADLEY & ASSOCIATES INC. DEVELOPER: ROEL A. RODRIGUEZ JR.

PRELIMINARY APPROVAL FINAL APPROVAL FINAL APPROVAL WITH FINANCIAL GUARANTEE WITH VARIANCE

NUMBER OF LOTS: 34 *SINGLE FAMILY *MULTI-FAMILY COMMERCIAL INDUSTRIAL

ESTIMATED NUMBER OF STREETLIGHTS: 6

FILLING STATIONS: 2

LOCATION DESCRIPTION: SOUTH OF MILE 21 NORTH ROAD APPROXIMATELY ½ MILE EAST OF VAL VERDE ROAD.

SUBDIVISION LIES WITHIN THE: THE RURAL AREA OF THE COUNTY.

DRAINAGE REPORT WAS APPROVED BY HCDD#1: ON 8-07-2020 PROPERTY LIES WITHIN FLOOD ZONE: "X" AS PER FEMA.

DRAINAGE DESIGN: DRAINAGE WILL BE PROVIDED BY STORM SEWER SYSTEM AND DETENTION WILL BE PROVIDED BY WIDENING THE EXISTING DRAIN DITCH.

ROAD R.O.W. DEDICATION: NO R.O.W. IS REQUIRED.

H.C.R.O.W. PRELIMINARY APPROVAL DATE: 9-10-2020 BY, JOE OCHOA, PCT. 4 R.O.W. AGENT

H.C.H.D. PRELIMINARY APPROVAL DATE: 9-03-20 BY, ENVIRONMENTAL HEALTH DIVISION

SEWER SYSTEM: OSSF'S

WATER SERVICE PROVIDER: N.A.W.S.C. EXISTING LINE SIZE: 6" LOCATION: MILE 21 NORTH ROAD.

H.C.E.O.C. PRELIMINARY APPROVAL DATE: 9-03-2020 : BY 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.

PRELIMINARY APPROVAL FROM THE
HIDALGO COUNTY COMMISSIONERS COURT ON: _____

STAFF RECOMMENDS: **Preliminary Approval** subject to comments and future recommendations by planning,
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.*

MAP OF WATER DISTRIBUTION SYSTEM/ MAPA DE DISTRIBUCION DE AGUA

RBR SUBDIVISION No. 2

A 20.00 ACRE TRACT OF LAND BEING ALL OF LOTS 47 AND 49, DELTA ORCHARDS COMPANY UNIT NO. 1, HIDALGO COUNTY, TEXAS, ACCORDING TO MAP OR PLAT RECORDED IN VOLUME 6, PAGE 7, MAP RECORDS, HIDALGO COUNTY, TEXAS AND ACCORDING TO EXECUTOR'S DEED, RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 2118368, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

FINAL ENGINEERING REPORT FOR RBR SUBDIVISION NO 2 BY MARCO A. GONZALEZ, P.E.

WATER SUPPLY Description and Costs.

RBR SUBDIVISION NO 2 WILL BE PROVIDED WITH POTABLE WATER BY THE NORTH ALAMO WATER SUPPLY COOPERATION (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. HAS PROMISED TO PROVIDE SUFFICIENT WATER TO THE SUBDIVISION FOR AT LEAST 20 YEARS AND N.A.W.S.C. 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.

N.A.W.S.C. HAS AN EXISTING 6" DIAMETER WATERLINE RUNNING ALONG THE NORTH RIGHT OF WAY LINE OF MILE 21 NORTH RD.

THE WATER SYSTEM FOR RBR SUBDIVISION NO 2 CONSISTS OF AN 8" DIAMETER WATERLINE THAT CONNECTS INTO THE EXISTING 6" DIAMETER WATERLINE ON THE NORTH SIDE OF MILE 21 NORTH ROAD THE 8" WATERLINE RUNS SOUTH ALONG THE EAST SIDE OF LITTLE ROCK DRIVE, ENDING WITH A 2" FLUSH VALVE AT CUR-DE-SAC NEAR LOT 19.

FROM THE 8" DIAMETER WATERLINE, THERE ARE TWO (2) SINGLE SERVICE LINES AND SIXTEEN (16) 1" DUAL SERVICE LINES RUNNING TO PAIR OF LOTS BEFORE SPLITTING INTO TWO 3/4" DIAMETER SINGLE SERVICE LINES THAT RUN INTO THE WATER METER BOXES FOR EACH LOT.

THE 6" WATERLINE, THE 1" DUAL SERVICE LINES, THE SINGLE SERVICE LINE AND THE METER BOXES WILL BE INSTALLED, AT A TOTAL COST OF \$ OR \$ PER LOT. THE SUBDIVIDER HAS IN ADDITION PAID N.A.W.S.C. THE SUM OF \$ OR \$ PER LOT, WHICH REPRESENTS THE TOTAL COST OF WATER METERS AND ALL MEMBERSHIPS OR OTHER FEES ASSOCIATED WITH CONNECTING THE INDIVIDUAL LOTS IN THE SUBDIVISION TO THE N.A.W.S.C. SYSTEM. THE SUBDIVIDER WILL BE INSTALLED TWO (2) FIRE HYDRANTS AT A UNIT COST OF \$ FOR A TOTAL COST OF \$ THE ENTIRE WATER FACILITIES WILL BE APPROVED AND ACCEPTED BY N.A.W.S.C. AND SAID DISTRIBUTION SYSTEM IS OPERABLE AS OF THE DATE OF THE RECORDING OF THE PLAT.

SEWAGE FACILITIES: Description and Costs.

SEWAGE FROM THE RBR SUBDIVISION NO 2 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 GS 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. EACH LOT HAS ADEQUATE AREA FOR A REPLACEMENT DRAIN FIELD.

EACH LOT IN THE EXISTING SUBDIVISION IS AT LEAST 1/2 ACRE IN SIZE. THE NATURAL RESOURCE CONSERVATION SERVICE SURVEY BOOK INDICATED A FINE SANDY LOAM, SANDY CLAY LOAM AND CLAY LOAM SOIL FOR THE AREA. THE SITE EVALUATOR (LICENSE NUMBER GS 12258) HAS SITE (S) TEST BORINGS MADE AT OPPOSITE AREAS OF THE SUBDIVISION AT THE CENTERS OF LOTS 4, 11, 20, & 27 (ADDITIONAL BORINGS WERE UNNECESSARY BECAUSE THE SOILS ARE VERY UNIFORM WITHIN THIS LIMITED AREA) THE SOIL IS A UNIFORM SANDY LOAM (CLASS R) EXTENDING UP TO 3' BELOW THE BOTTOM OF ANY EXISTING EXCAVATIONS. THERE IS NO INDICATION OF GROUNDWATER OR A RESTRICTIVE LAYER WITHIN 24" OF BOTTOM OF THE EXISTING EXCAVATIONS. THE SUBDIVISION DRAINING WELL.

THE COST TO INSTALL A SEPTIC SYSTEM ON AN INDIVIDUAL LOT IS \$ INCLUDING THE COST FOR THE REQUIRED PERMIT AND LICENSE. ALL OSSF'S 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. I CERTIFY THAT THE COSTS TO INSTALL THE DESCRIBED WATER AND ON-SITE SEWAGE FACILITIES, DESCRIBED ABOVE, ARE AS FOLLOWS:

WATER FACILITIES- THESE FACILITIES WILL BE CONSTRUCTED, WITH THE INSTALLATION OF WATER METER BOXES, HAVE COST A GRAND TOTAL OF \$ WHICH EQUALS TO \$ PER LOT.

SEWAGE FACILITIES- SEPTIC SYSTEM IS ESTIMATED TO COST \$ PER LOT (ALL INCLUSIVE), FOR A TOTAL OF \$ FOR THE ENTIRE SUBDIVISION.



Signature of Marco A. Gonzalez

7-22-20 DATE

REPORTE FINAL DE INGENIERIA PARA LA SUBDIVISION RBR SUBDIVISION No. 2 POR MARCO A. GONZALEZ, P.E.

PROVISION DE AGUA: Descripción y Costos.

LA SUBDIVISION RBR SUBDIVISION No. 2 HA SIDO PROMETIDA DE AGUA POTABLE POR LA COMPAÑIA DE AGUA DE NORTH ALAMO (N.A.W.S.C.). EL DUEÑO DE LA SUBDIVISION Y LA COMPAÑIA DE AGUA N.A.W.S.C. SE HA COMPROMETIDO A PROPORCIONAR AGUA SUFICIENTE A LA SUBDIVISION POR UN PERIODO DE 20 AÑOS. LA COMPAÑIA DE AGUA N.A.W.S.C. HA PRESENTADO LA DOCUMENTACION DEMOSTRANDO LA DISPONIBILIDAD DE CANTIDAD Y CALIDAD DE AGUA A LARGO PLAZO QUE SEÑORA PARA EL FUTURO DESARROLLO DE LA SUBDIVISION.

N.A.W.S.C. TIENE UNA LINEA DE AGUA DE 6" DE DIAMETRO EXISTENTE LA CUAL CORRE A LOJO NORTE DE LA MILE 21 NORTH ROAD.

EL SISTEMA DE AGUA PARA RBR SUBDIVISION NO 2 CONSISTE DE UNA LINEA DE AGUA DE 8" DE DIAMETRO QUE SE CONECTA A UNA LINEA DE AGUA EXISTENTE DE 6" DE DIAMETRO. LA LINEA DE AGUA PROPUESTA DE 8" DE DIAMETRO CORRE HACIA EL SUR POR EL LADO ESTE DE LA CALLE LITTLE ROCK DRIVE, TERMINANDO EN UNA VALVULA DE 2" CERCA DEL LOTE 19 DEL CONDUCTO DE AGUA DE 8 PULGADAS SE PRODUCCION OCHO (8) DOBLE-CONDUCTOS DE AGUA DE 1 PULGADA DE DIAMETRO PARA CADA DOS LOTES. ESTOS CONDUCTOS SE SEPARAN PARA PRODUCIR DOS CONDUCTOS DE AGUA DE 3/4" DE PULGADA DE DIAMETRO DE DIAMETRO PARA CADA LOTE.

LOS DOBLE-CONDUCTOS DE AGUA DE 1 PULGADA DE DIAMETRO, Y LOS MEDIDORES MECANICOS DE AGUA A UN COSTO TOTAL DE US\$ 0 US\$ POR LOTE. EL DUEÑO DE LA SUBDIVISION TAMBIEN LE HA PAGADO A LA COMPAÑIA N.A.W.S.C. US\$ QUE CUBRE EL COSTO DEL MEDIDOR MECANICO DE AGUA PARA CADA LOTE. US\$ ESTE PRECIO INCLUYE EL COSTO DE LA INSTALACION DE CADA MEDIDOR Y LOS GASTOS DE CONEXION. CUANDO EL DUEÑO DE CADA LOTE SOLICITE UN MEDIDOR DE AGUA, LA COMPAÑIA N.A.W.S.C. LE INSTALARA SIN ALGUN GASTO AL DUEÑO. EL DUEÑO DE LA SUBDIVISION TAMBIEN HA INSTALADO DOS (2) SOCAES DE RESEO (FIRE HYDRANT) A UN COSTO DE \$ POR CADA UNO CUAL GASTA UNA CANTIDAD TOTAL \$ EL SISTEMA DE AGUA ESTARA EN FUNCIONAMIENTO COMPLETO ANTES O EN LA FECHA, EN LA CUAL LA SUBDIVISION SEA REGISTRADA EN EL COMANDO DE HIDALGO.

ORDENAR: Descripción y Costos.

SE INSTALARA UNA FOSA SEPTICA EN CADA SOLAR DE LA SUBDIVISION RBR SUBDIVISION NO 2. ESTA FOSA SEPTICA CONSISTE DE UN TANQUE SEPTICO DE MODELO DUAL, Y DE UN CAMPO DE DRENAJE PARA EL SOLAR. EL EVALUADOR (LIC# GS 12258) AUTOR DE ESTE DOCUMENTO HA EVALUADO EL AREA DONDE SE ENCUENTRA LA SUBDIVISION Y HA PREPARADO UN REPORTE QUE CONCLUYE QUE ESTE TERRENO ES ADECUADO PARA ESAS FOSAS SEPTICAS (OSSF). EL REPORTE FUE APROBADO POR EL DEPARTAMENTO DE SALUD PUBLICA DEL CONDADO DE HIDALGO (HIDALGO COUNTY HEALTH DEPARTMENT) SEGUN EL REPORTE.

CADA LOTE EN LA SUBDIVISION TIENE MENO ACRE. EL EVALUADOR (LIC# GS 12258) HIZO SEIS (6) PRUEBAS CON AGUJEROS EN EL CENTRO DE LOS LOTES 4, 11, 20, & 27 (EXCAVACIONES ANTERIORES NO FUERON NECESARIAS PORQUE EL TERRENO EN ESTA AREA ES SIGNIFICATIVAMENTE UNIFORME). EL TERRENO ES UNIFORME Y SUFICIENTEMENTE UNIFORME. EL TERRENO ES SUFICIENTEMENTE UNIFORME PARA SER ENTENDIDO A SE PULGADAS BAJA TODAS LAS EXCAVACIONES PROPUESTAS. NO EXISTE EVIDENCIA DE AGUA 24 PULGADAS 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 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 SALUD PUBLICA DEL CONDADO DE HIDALGO HA INSPECCIONADO TODOS LAS FOSAS SEPTICAS Y HA APROBADO LA INSTALACION DE LAS FOSAS SEPTICAS DESDE.

CERTIFICACION

CON MI FIRMA, CERTIFICO QUE LOS SERVICIOS Y SISTEMAS DE AGUA Y DE ORDENAR, DESCRITOS EN ESTE DOCUMENTO, CUMPLEN CON LAS MODEL SUBDIVISION RULES (LAS REGLAS GOBERNANDO 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 DE ORDENAR SON:

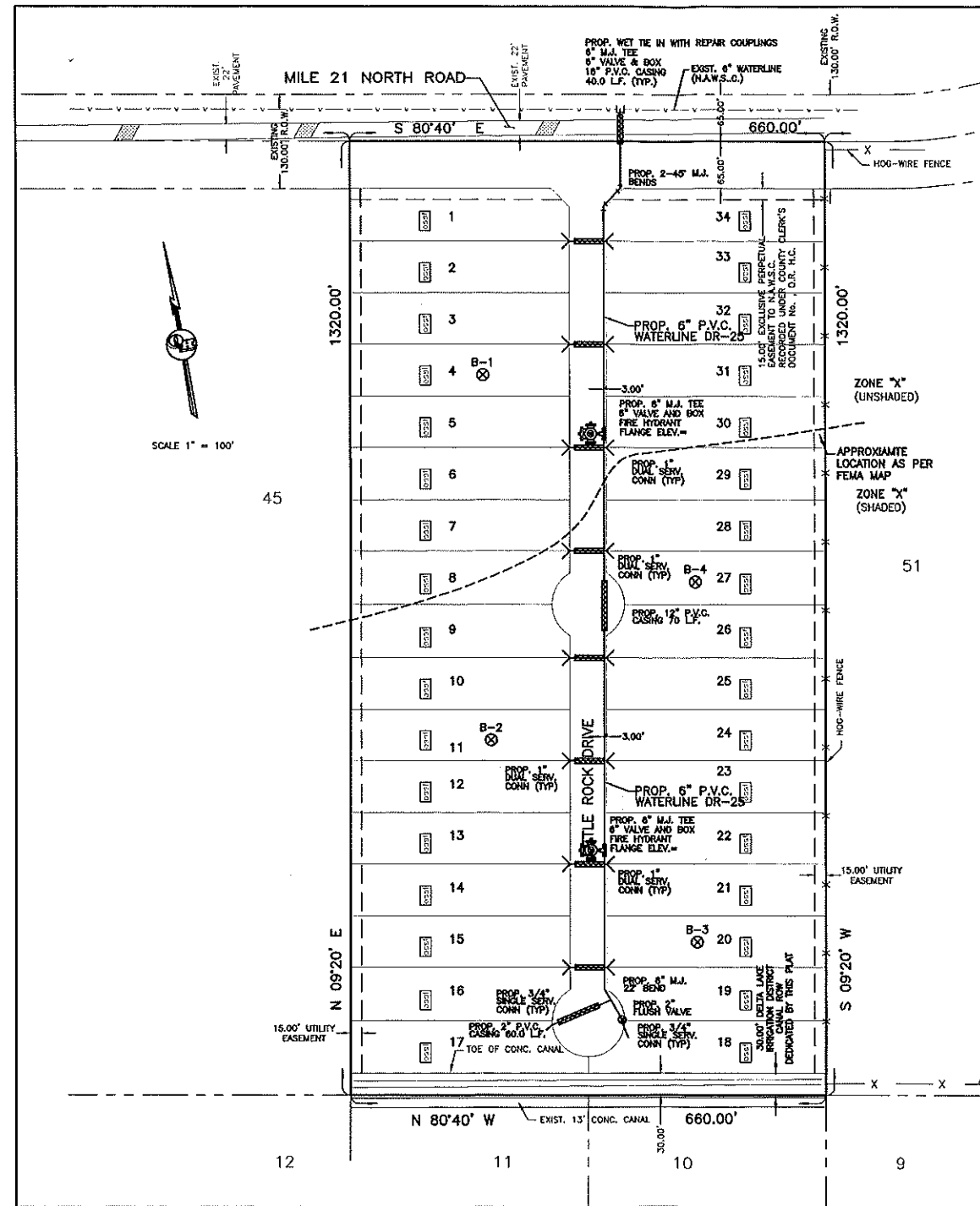
AGUA: EL SISTEMA/SEWAGE DE AGUA ESTA TOTALMENTE CONSTRUIDO, CON LA INSTALACION DE LOS MEDIDORES DE AGUA, EL GRAY COSTO TOTAL ES DE US\$ 0 US\$ POR LOTE. LO CUAL EQUIVALE A US\$ POR LOTE.

ORDENAR: SE ESTIMA QUE LA FOSA SEPTICA COSTARA \$ A UN COSTO TOTAL DE \$ TOGA LA SUBDIVISION.



Signature of Marco A. Gonzalez

7-22-20 DATE



SUBDIVIDER CERTIFICATION

I, BY COMPLETING THE IMPROVEMENTS DESCRIBED ON THE PLAT, SUBDIVIDER WILL COMPLY WITH MINIMUM STATE STANDARDS AND THAT (a) WATER QUANTITY 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:

RBR DEVELOPMENT & INVESTMENTS LLC
ROEL A. RODRIGUEZ JR., PRESIDENT
1. - I (we), the undersigned hereby state, on this day personally appeared ROEL A. RODRIGUEZ JR., PRESIDENT OF RBR DEVELOPMENT & INVESTMENTS LLC before 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 therein expressed.

RBR DEVELOPMENT & INVESTMENTS LLC
ROEL A. RODRIGUEZ JR., PRESIDENT
3328 PAGE AVE
EDINBURG, TEXAS 78539

DATE

STATE OF TEXAS
COUNTY OF HIDALGO

BEFORE ME, the undersigned hereby state, on this day personally appeared ROEL A. RODRIGUEZ JR., PRESIDENT OF RBR DEVELOPMENT & INVESTMENTS LLC 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 therein expressed.

Given under my hand and seal of office this _____ day of _____, 20__.

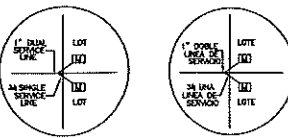


CLARISSA ANNETTE QUINTANILLA - NOTARY PUBLIC

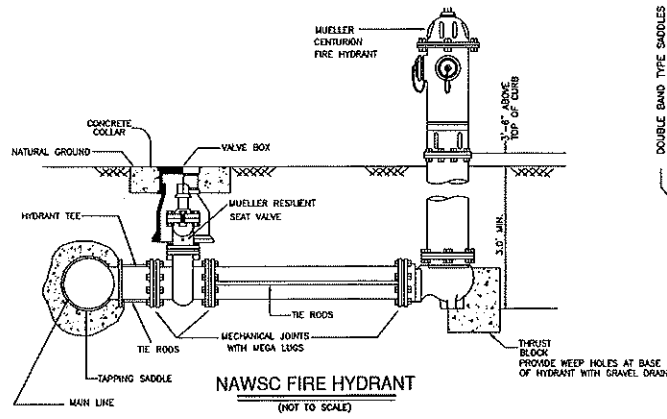
COST ESTIMATE

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

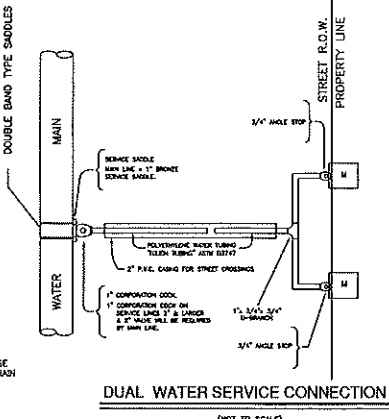
WATER METER BOX: \$
8" WATER SUPPLY LINE: \$
SERVICE LINES: \$
CAJA DE MEDIDOR DE AGUA: \$
LINEA DE AGUA: \$
LINEAS DE SERVICIOS: \$



B-1 TEST BORINGS
SEPTIC TANK (OSSF)



NAWSC FIRE HYDRANT (NOT TO SCALE)



DUAL WATER SERVICE CONNECTION (NOT TO SCALE)

QUINTANILLA, HEADLEY AND ASSOCIATES, INC.

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

REVISION NOTES

No.	Sheet	REVISION	Date	Approved

SHEET NO. 2 OF 3 SHEETS



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

DATE PREPARED	PREPARED BY	CHECKED BY	APPROVED BY
7-21-2020	Marco A. Gonzalez		
DATE REVISION	REVISION BY	CHECKED BY	APPROVED BY

RBR SUBDIVISION No. 2

A 20.00 ACRE TRACT OF LAND BEING ALL OF LOTS 47 AND 49, DELTA ORCHARDS COMPANY UNIT NO. 1, HIDALGO COUNTY, TEXAS, ACCORDING TO MAP OR PLAN RECORDED IN VOLUME 6, PAGE 7, MAP RECORDS, HIDALGO COUNTY, TEXAS AND ACCORDING TO EXECUTOR'S DEED, RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 2118368, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

DRAINAGE REPORT FOR RBR SUBDIVISION No. 2
 A 20.00 acre tract of land being all of Lots 47 and 49, Delta Orchards Company Unit No. 1, Hidalgo County, Texas, according to map or plan recorded in Volume 6, Page 7, map records, Hidalgo County, Texas and according to executor's deed, recorded under county clerk's document number 2118368, official records, Hidalgo County, Texas. It is located on the south side of Mile 21 North Road, approximately 2,870 feet east of Voladora Road. The proposed subdivision will consist of 34 residential lots.

The tract is Zone "X" (unshaded), area of minimal flooding, and Zone "X" (shaded), area of 500-year flood; areas of 100-year flood with average depths of less than 1 foot or with drainage areas less than one square mile and areas protected by levees from the 100-year flood, as per FEMA Flood Insurance Rate Map, Community Plan No. 480334 0350 C, dated on June 8, 2000, LOMR.

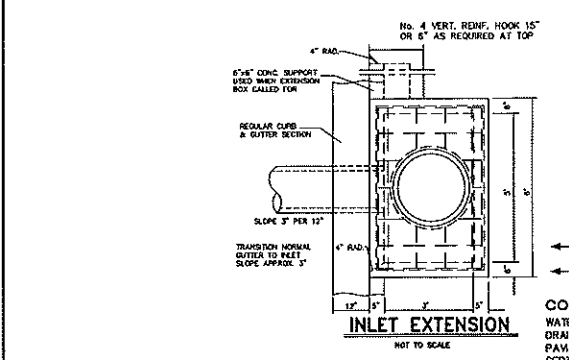
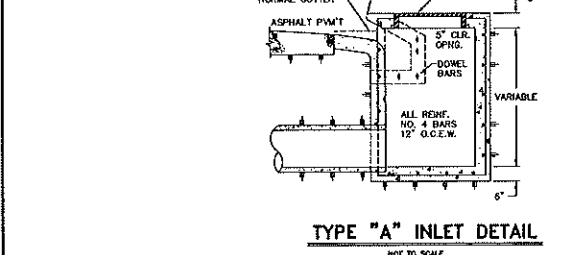
The majority of the soil is Rocobes (46) and Wilcox (70 & 71) and is in soil group "B", it is sandy clay loam (SC), clay loam (CL), and fine sandy loam (SM-SC). This soil is well drained. Permeability is moderate. Plasticity index has a range of 5-22. See attached Soil Survey of Hidalgo County, Texas 10/28/78.

Presently, the site has very minimal runoff in a northerly direction with an approximate 1.0% slope. The proposed subdivision is on a 0.5% slope based on a 10-year storm.

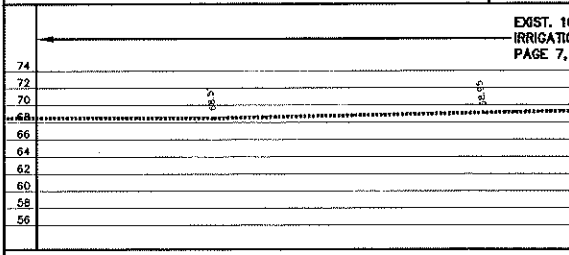
After development the runoff will be 0.2856 cubic feet per second based on a 50-year storm for an increase of 0.1983 cubic feet per second. Detention will be 65,425.75 cubic feet (1.50 acre feet). It will be accomplished by excavating within existing Right of Way of an existing Delta Lake Irrigation District Drain Ditch located west of the subdivision. The existing Delta Lake Irrigation District Drain Ditch flows in a northerly direction with an ultimate outfall into Delta Lake. The street runoff will be collected by a storm sewer system consisting of 18", 24" and 30" storm sewer pipes and Type "A" inlets that will discharge into said drain ditch.

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 PLAN

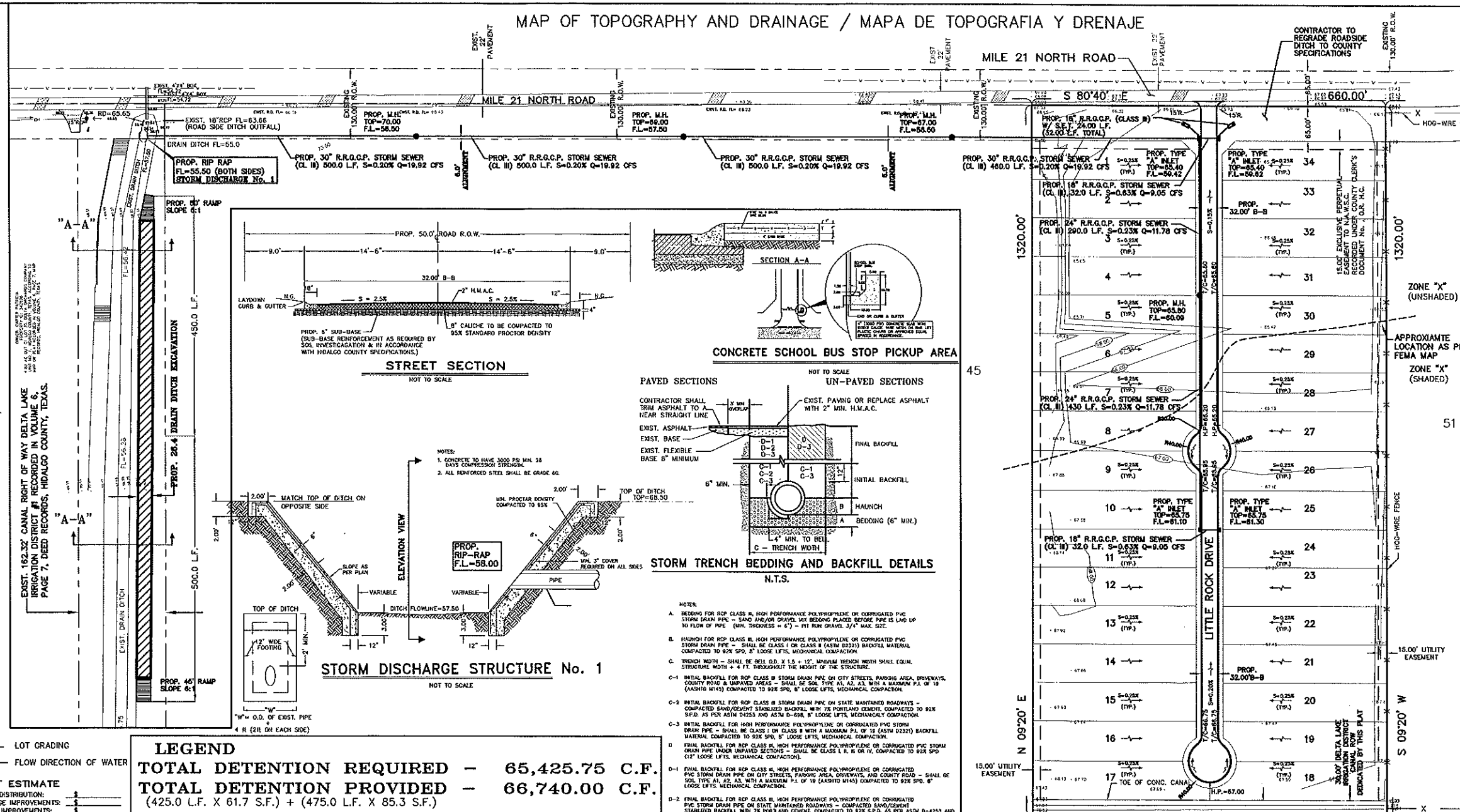
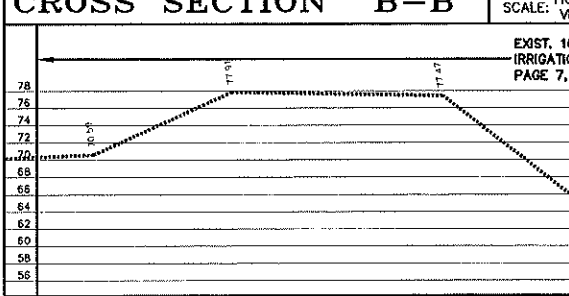
MARCO A. GONZALEZ
 LICENSED PROFESSIONAL ENGINEER
 120016
 P.E. No. 120016
 DATE: 2-27-20



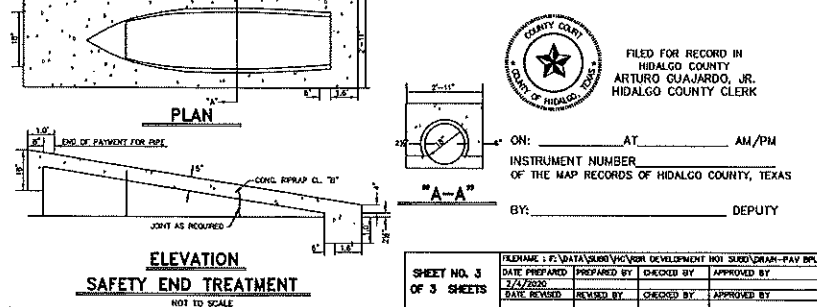
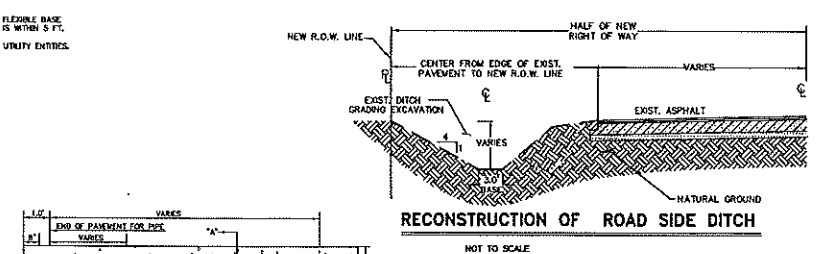
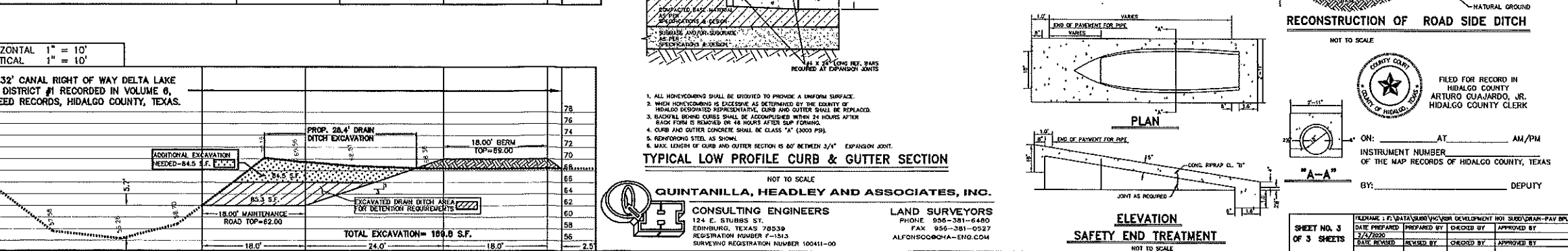
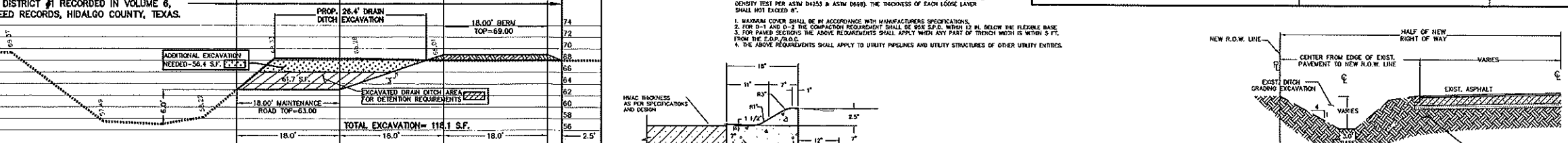
CROSS SECTION "A-A" SCALE: HORIZONTAL 1" = 10' VERTICAL 1" = 10'



CROSS SECTION "B-B" SCALE: HORIZONTAL 1" = 10' VERTICAL 1" = 10'



LEGEND
 TOTAL DETENTION REQUIRED - 65,425.75 C.F.
 TOTAL DETENTION PROVIDED - 66,740.00 C.F. (425.0 L.F. X 61.7 S.F.) + (475.0 L.F. X 85.3 S.F.)
 TOTAL DITCH EXCAVATION - 129,997.50 C.F. (425.0 L.F. X 116.1 S.F.) + (475.0 L.F. X 169.8 S.F.)



QUINTANILLA, HEADLEY AND ASSOCIATES, INC.
 CONSULTING ENGINEERS
 124 E. STUBBS ST.
 EDINBURG, TEXAS 78539
 REGISTRATION NUMBER F-1513
 SURVEYING REGISTRATION NUMBER 100411-00

LAND SURVEYORS
 PHONE: 956-381-6480
 EDINBURG, TEXAS 78539
 REGISTRATION NUMBER F-1513
 ALFONSO@QHA-ENG.COM

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. 3 OF 3 SHEETS