



# HIDALGO COUNTY PLANNING DEPARTMENT

T.J. Arredondo, CFM  
Director of Planning

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

## HIDALGO COUNTY COMMISSIONERS COURT MEETING

DATE: 7-30-2019

PROPOSED MEZQUITE MOORE SUBDIVISION, PRECINCT No. 2.

ENGINEER: NAIN ENGINEERING DEVELOPER: RICARDO CAZARES

PRELIMINARY APPROVAL  FINAL APPROVAL  FINAL APPROVAL WITH FINANCIAL GUARANTEE  WITH VARIANCE

NUMBER OF LOTS: 36  \*SINGLE FAMILY  \*MULTI-FAMILY  COMMERCIAL  INSTITUTIONAL

LOCATION DESCRIPTION: SOUTH OF MOORE ROAD APPROXIMATLY ½ MILE EAST OF TOWER ROAD.

SUBDIVISION LIES WITHIN THE:  ETJ OF ALAMO AND WAS APPROVED BY THE P & Z AND CITY COMMISSION OF SAID CITY

DRAINAGE REPORT WAS APPROVED BY HCDD#1: ON 7-23-2018 PROPERTY LIES WITHIN FLOOD ZONE: "B" 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: 20.00 FEET ONTO MOORE ROAD.

H.C.R.O.W. FINAL APPROVAL DATE: 7-30-2018 BY, JAIME SALINAS, PCT. 2 R.O.W. AGENT

H.C.H.D. FINAL APPROVAL DATE: N/A BY, ENVIRONMENTAL HEALTH DIVISION

SEWER SYSTEM:  SANITARY SEWER BY: M.H.W.S.C. LINE SIZE: 8" LOCATION: MOORE ROAD.

WATER SERVICE PROVIDER: M.H.W.S.C. LINE SIZE: 8" LOCATION: MOORE ROAD.

H.C.E.O.C. FINAL APPROVAL DATE: 7-3-2019 : 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.*

PRELIMINARY APPROVAL FROM THE  
HIDALGO COUNTY COMMISSIONERS COURT ON: AUGUST 28, 2018

STAFF RECOMMENDS:  **Preliminary Approval** subject to comments and future recommendations by planning, other departments and the approval of the City of ALAMO.

**Final Approval** subject to recommendations other departments

*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.*

# MEZQUITE MOORE SUBDIVISION

A 10.00 ACRE TRACT OF LAND OUT OF THE WEST 1/4 OF LOT 1, BLOCK 30, ALAMO LAND AND SUGAR COMPANY SUBDIVISION ACCORDING TO THE MAP RECORDED IN VOLUME 1, PAGES 24-26, MAP RECORDS, HIDALGO COUNTY, TEXAS.

### METES AND BOUNDS

BEING 10.00 ACRES OF LAND SITUATED IN HIDALGO COUNTY, TEXAS AND BEING 10.00 ACRES OUT OF THE WEST 1/4 OF LOT 1, BLOCK 30, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION AS PER MAP RECORDED IN VOLUME 1, PAGES 24-26, OF THE HIDALGO COUNTY MAP RECORDS AND SAID 10.00 ACRE TRACT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT A POINT ON THE CENTERLINE OF MOORE ROAD FOR THE NORTHWEST CORNER OF SAID LOT 1 AND FOR THE NORTHWEST CORNER OF SAID TRACT HEREIN DESCRIBED:

THENCE: SOUTH 81°28'09" EAST, 330.00 FEET WITH THE NORTH LINE OF SAID LOT 1 AND THE CENTERLINE OF SAID MOORE ROAD, TO A POINT FOR THE NORTHEAST CORNER OF SAID TRACT HEREIN DESCRIBED;

THENCE: SOUTH 08°31'51" WEST, WITH THE WEST LINE OF ROADRUNNER SUBDIVISION PHASE I, AS PER MAP RECORDED IN VOLUME 26, PAGE 42, HIDALGO COUNTY MAP RECORDS, PASSING AT 20.00 FEET THE SOUTH R.O.W. LINE OF SAID MOORE ROAD, PASSING AT 40.00 FEET A 1/2" IRON ROD FOUND FOR A REFERENCE ON-LINE, PASSING AT 1225.00 FEET A 1/2" IRON ROD FOUND FOR A REFERENCE ON-LINE AND CONTINUING FOR A TOTAL DISTANCE OF 1320.00 FEET TO A POINT FOR THE SOUTHWEST CORNER OF SAID ROADRUNNER SUBDIVISION PHASE I AND FOR THE SOUTHWEST CORNER OF SAID TRACT HEREIN DESCRIBED;

THENCE: NORTH 81°28'09" WEST, 330.00 FEET WITH THE SOUTH LINE OF LOT 1 AND THE NORTH LINE OF RESUBDIVISION WEST 10.00 ACRES OF LOT 8, BLOCK 30, ALAMO LAND AND SUGAR COMPANY'S SUBDIVISION AS PER MAP RECORDED IN VOLUME 16, PAGE 7, HIDALGO COUNTY MAP RECORDS, TO A POINT FOR THE SOUTHWEST CORNER OF SAID TRACT HEREIN DESCRIBED;

THENCE: NORTH 08°31'51" E, WITH THE WEST LINE OF LOT 1 AND THE EAST LINE OF A 120 FOOT DRAINAGE EASEMENT, PASSING AT 95.00 FEET TO A 1/2" IRON ROD WITH A PLASTIC CAP STAMPED "R&A" SER FOR REFERENCE ON-LINE, PASSING AT 1280.00 FEET A 1/2" IRON ROD WITH A PLASTIC CAP STAMPED "R&A" SET FOR REFERENCE ON-LINE, PASSING AT 1300.00 FEET THE SOUTH R.O.W. LINE OF MOORE ROAD, AND CONTINUING FOR A TOTAL DISTANCE OF 1320.00 FEET TO THE POINT OF BEGINNING AND CONTAINING 10.00 ACRES OF LAND MORE OR LESS.

- GENERAL NOTES:**
- MIN. BUILDING SETBACK LINES: FRONT 25.0' REAR 15.0' OR EASEMENT WHICH EVER IS GREATER SIDE 6.0' OR EASEMENT WHICH EVER IS GREATER 30.00' GARAGE / CAR PORT FRONT SET BACK
  - MINIMUM FINISH FLOOR NOTE: MINIMUM FINISH FLOOR ELEVATION SHALL BE 18" ABOVE CENTERLINE OF STREET. 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.
  - - DENOTES 1/2" IRON ROD FOUND UNLESS OTHERWISE NOTED. ○ - DENOTES 1/2" IRON ROD SET UNLESS OTHERWISE NOTED. > - DENOTES NAIL FOUND UNLESS OTHERWISE NOTED.
  - BENCH MARK: 91.46 SOUTHWEST CORNER OF CONC. BRIDGE LOCATED AT THE NORTHWEST CORNER OF THIS SUBDIVISION ON MOORE ROAD, NAVD 88 DATUM
  - FLOOD ZONE DESIGNATION: ZONE "B" (medium shading) FLOOD ZONE B - AREAS BETWEEN LIMITS OF THE 100-YEAR FLOOD AND 500-YEAR FLOOD; OR CERTAIN AREAS SUBJECT TO 100-YEAR FLOODING WITH AVERAGE DEPTHS LESS THAN ONE(1) FOOT OR WHERE THE CONTRIBUTING DRAINAGE AREA IS LESS THAN ONE SQUARE MILE; AREAS PROTECTED BY LEVEES FROM THE BASE FLOOD. C.P.N. 480334 0425 C MAP REVISED: NOVEMBER 16, 1982
  - CONSTRUCTION OF RESIDENTIAL HOUSING WITHIN ANY OF THE SUBDIVISION THAT IS IN THE 100-YEAR FLOOD PLAN IS PROHIBITED UNLESS THE HOUSING QUALIFIES FOR INSURANCE UNDER THE NATIONAL FLOOD INSURANCE ACT OF 1968 (42 U.S.C. SECTIONS 4001 THROUGH 4127).
  - DRAINAGE: IN ACCORDANCE WITH THE HIDALGO COUNTY DRAINAGE DISTRICT NO. 1 AND HIDALGO COUNTY REQUIREMENTS, THIS DEVELOPMENT WILL BE REQUIRED TO DETAIN A TOTAL OF -26,855 CUBIC FEET -0.82 ACRE- FEET OF STORM WATER RUNOFF, DRAINAGE DETENTION IN ACCORDANCE WITH THE LOCAL REQUIREMENTS WILL BE ACCOMPLISHED AS FOLLOWS: THE DRAINAGE FOR THIS DEVELOPMENT WILL BE SELF-CONTAINED WITHIN THE SUBDIVISION THE DEVELOPER SHALL BE RESPONSIBLE FOR DETAINING AND ACCOMMODATING MORE THAN THE DETAINED VOLUME SHOWN ON THIS PLAT IF IT IS DETERMINED, AT THE PERMIT STAGE, THAT THE DETENTION REQUIREMENTS ARE GREATER THAN STATED ON THIS PLAT, DUE TO THE IMPERVIOUS AREAS BEING GREATER THAN THE PLAT ENGINEER CONSIDERED IN THE HYDRAULIC CALCULATIONS FOR THIS SUBDIVISION
  - 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 THAT WOULD INTERFERE WITH THE OPERATIONS AND MAINTENANCE OF THE EASEMENT.
  - GENERAL NOTE FOR SINGLE FAMILY RESIDENCES: NO MORE THAN ONE-SINGLE FAMILY DETACHED DWELLING SHALL BE LOCATED ON EACH LOT. ANY OTHER USE SHALL REQUIRE PLANNING DEPARTMENT, OFFICE OF ENVIRONMENTAL COMPLIANCE, HEALTH DEPARTMENT AND FIRE MARSHALL APPROVAL. APPLICATIONS FOR CONSTRUCTION ARE REQUIRED PRIOR TO OCCUPYING THE LOT
  - RICARDO CAZARES, THE OWNER & SUBDIVIDER OF MEZQUITE MOORE SUBDIVISION RETAINS AN EASEMENT UPON EACH LOT FOR THE PURPOSE OF INSTALLING AN APPROVED OSSP ON THE LOT AS DESCRIBED ON SHEET NO. 2 OF THIS PLAT.
  - 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 15.00 FEET PER THE HIDALGO COUNTY MODEL SUBDIVISION RULES. BY SIGNING THIS PLAT DEVELOPER AND ENGINEER CERTIFY THAT ALL OTHER EASEMENTS SHOWN COMPLETELY WITH THE SIZE REQUIRED BY EACH UTILITY PROVIDER OCCUPANCY AN EASEMENT.
  - FIRE HYDRANTS INSTALLED WITHIN THE CORPORATION'S DISTRIBUTION SYSTEM ARE PROVIDED AT THE CONVENIENCE OF THE CORPORATION AND DO NOT IMPLY ANY RESPONSIBILITY ON THE PART OF THE CORPORATION TO MEET FIRE FLOW REQUIREMENTS.
  - ALL LOTS SHALL HAVE APOST DEVELOPMENT FINISHED GRADE FROM THEREOF OF THE LOT TO CURB AND/OR ROAD DITCH AT A 0.25% SLOPE TO ACCOMPLISH POSITIVE DRAINAGE
  - THE DEVELOPER SHALL BE RESPONSIBLE FOR DETAINING AND ACCOMMODATING MORE THAN THE DETAINED VOLUME SHOWN ON THIS PLAT IF IT IS DETERMINED, AT THE PERMIT STAGE, THAT THE DETENTION REQUIREMENTS ARE GREATER THAN STATED ON THIS PLAT, DUE TO THE IMPERVIOUS AREAS BEING GREATER THAN THE PLAT ENGINEER CONSIDERED IN THE HYDRAULIC CALCULATIONS FOR THIS SUBDIVISION
  - AN OFF-STREET PARKING LOT SITE PLAN AND DRAINAGE PLAN APPROVED BY THE HIDALGO COUNTY PLANNING DEPARTMENT AND THE OFFICE OF ENVIRONMENTAL COMPLIANCE SHALL BE REQUIRED FOR SCHOOLS, COMMERCIAL AND 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 OSSP PLAN ARE APPROVED AND PROMISED IMPROVEMENTS ARE CONSTRUCTED IN ACCORDANCE WITH COUNTY AND STATE STANDARDS.
  - AS PER LOCAL GOVERNMENT CODE REQUIREMENTS, SANITARY SEWER MUST BE CONNECTED TO A RESIDENCE PRIOR TO THE COUNTY PROCESSING A FINAL CLEARANCE FOR A WATER METER, A SEWER TAP INSPECTION SHALL BE PROVIDED FROM THE ENTITY SERVICE PROVIDER PRIOR TO RECEIVING A CLEARANCE FOR WATER METERS(S).

STATE OF TEXAS  
COUNTY OF HIDALGO

OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION  
I, RICARDO CAZARES OWNER OF THE 10.00 ACRES TRACT OF LAND ENCOMPASSED WITHIN THE PROPOSED "MEZQUITE MOORE SUBDIVISION" HEREBY SUBDIVIDE THE LAND AS DEPICTED IN THIS SUBDIVISION PLAT AND DEDICATE TO PUBLIC USE THE STREETS, PARK AND EASEMENTS SHOWN HEREIN. I HEREBY CERTIFY THAT WE HAVE COMPLIED WITH THE REQUIREMENTS OF TEXAS LOCAL GOVERNMENT CODE § 232.032 AND THAT:

- THE WATER QUALITY AND CONNECTION TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS;
- SEWER CONNECTION TO THE LOTS OR SEPTIC TANKS MEET, OR WILL MEET, THE MINIMUM REQUIREMENTS OF STATE STANDARDS;
- ELECTRICAL CONNECTION PROVIDED TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS; AND
- GAS CONNECTION IF AVAILABLE, PROVIDED TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS.

WE ATTEST THAT THE MATTERS ASSERTED IN THIS PLAT IS TRUE AND COMPLETE.

*Ricardo Cazares*  
RICARDO CAZARES  
ADDRESS: 1337 W. MOORE ROAD  
ALAMO, TEXAS, 78516

STATE OF TEXAS  
COUNTY OF HIDALGO

BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC, ON THIS DAY PERSONALLY APPEARED RICARDO CAZARES PROVED TO BE THROUGH THIS TEXAS DEPARTMENT OF PUBLIC SAFETY DRIVER LICENSE TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT, WHO, BEING BY ME DULY SWORN, 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 15th DAY OF MARCH, 2019

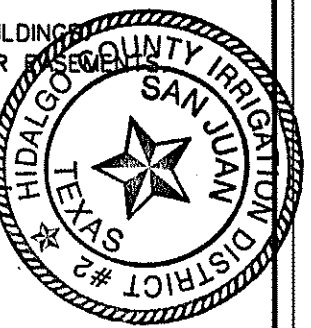
*Leon Arratia*  
LEON ARRATIA  
Notary Public, State of Texas  
Commission Expires December 19, 2022

*Leon Arratia*  
NOTARY PUBLIC, FOR THE STATE OF TEXAS

THIS PLAT IS HEREBY APPROVED BY THE HIDALGO COUNTY IRRIGATION DISTRICT No. 2 ON THIS THE 4th DAY OF April, 2019.

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

*Raul E. Sesin* PRESIDENT  
*Fred Schmitt* SECRETARY



APPROVED BY DRAINAGE DISTRICT:  
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 WATER CODE § 49.211 (G). 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 AND HIS ENGINEER TO MAKE THEIR DETERMINATIONS.

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1

*Raul E. Sesin* RAUL E. SESIN, P.E., C.F.M. GENERAL MANAGER  
DATE  
CITY OF ALAMO  
CERTIFICATE OF APPROVAL

I, THE UNDERSIGNED, MAYOR OF THE CITY OF ALAMO, TEXAS, HEREBY CERTIFY THAT THIS SUBDIVISION PLAT CONFORMS WITH ALL REQUIREMENTS OF THE SUBDIVISION REGULATIONS (TITLE 11 OF THE MUNICIPAL CODE) OF THE CITY WHEREIN MY APPROVAL IS REQUIRED.

ATTEST: *Wanda Pineda* CITY SECRETAR  
*Alan Martinez* MAYOR OF CITY OF ALAMO

THIS PLAT OF MEZQUITE MOORE SUBDIVISION HAS BEEN SUBMITTED TO AND CONSIDERED BY THE PLANNING AND ZONING COMMISSION OF THE CITY OF ALAMO, TEXAS AND IS HEREBY APPROVED BY SUCH COMMISSION. DATED THIS 19 DAY OF June, 2019

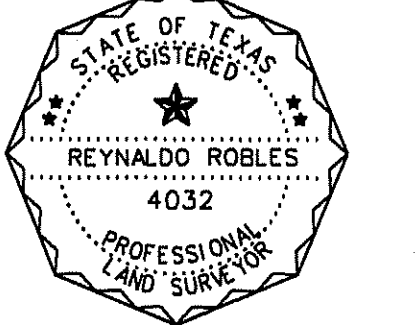
*Wanda Pineda* WANDA PINEDA  
CITY SECRETAR  
DATE



*Reynaldo Robles* REYNALDO ROBLES  
REG. PROFESSIONAL LAND SURVEYOR • 4032  
P.O. BOX 476  
107 W. HUISACHE ST.  
WESLACO, TEXAS, 78596  
PH. 956-968-2422

STATE OF TEXAS  
COUNTY OF HIDALGO

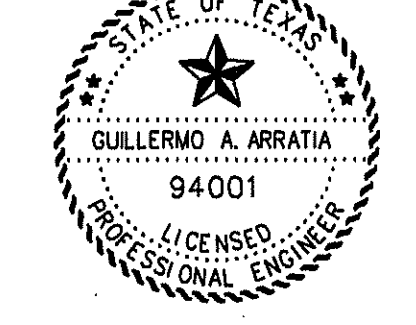
I, THE UNDERSIGNED, REYNALDO ROBLES, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, HEREBY CERTIFY THAT THIS PLAT IS TRUE AND WAS CORRECTLY MADE AND PREPARED FROM AN ACTUAL SURVEY OF THE PROPERTY MADE UNDER MY SUPERVISION ON THE GROUND.



STATE OF TEXAS  
COUNTY OF HIDALGO

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

*Guillermo A. Arratia* GUILLERMO A. ARRATIA  
LICENSED PROFESSIONAL ENGINEER No. 94001  
526 N. 5TH ST.  
DONNA, TEXAS, 78537



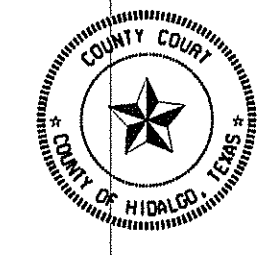
HIDALGO COUNTY  
CERTIFICATE OF PLAT APPROVAL  
UNDER LOCAL GOVERNMENT CODE § 232.028(A)

WE THE UNDERSIGNED CERTIFY THAT THIS PLAT OF MEZQUITE MOORE SUBDIVISION WAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY COMMISSIONERS COURT ON \_\_\_\_\_, 2019.

HIDALGO COUNTY JUDGE DATE  
ATTEST: HIDALGO COUNTY CLERK DATE

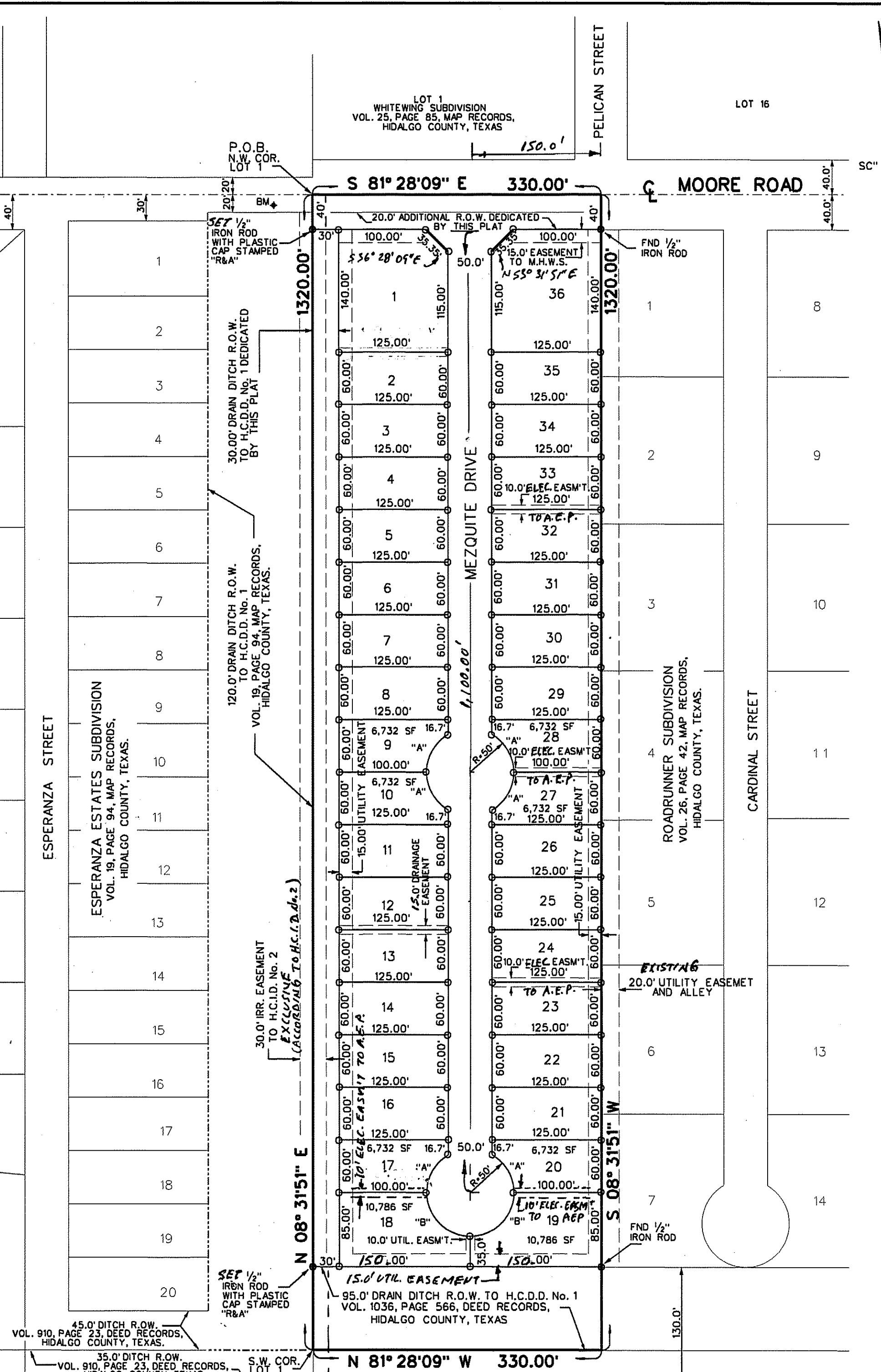
MILITARY WATER SUPPLY CORPORATION APPROVAL  
THIS PLAT OF MEZQUITE MOORE SUBDIVISION HAS BEEN SUBMITTED TO AND CONSIDERED BY THE MILITARY WATER SUPPLY CORPORATION OF HIDALGO COUNTY AND IS HEREBY APPROVED BY SUCH CORPORATION AND WE HEREBY CERTIFY THAT THE WATER AND SEWER SERVICES ARE AVAILABLE UPON REQUEST TO ALL LOTS SHOWN ON THIS PLAT OF MEZQUITE MOORE SUBDIVISION.

DATED THIS 7th DAY OF JUNE 2019  
BY: *Arturo Guajardo, Jr.* GENERAL MANAGER



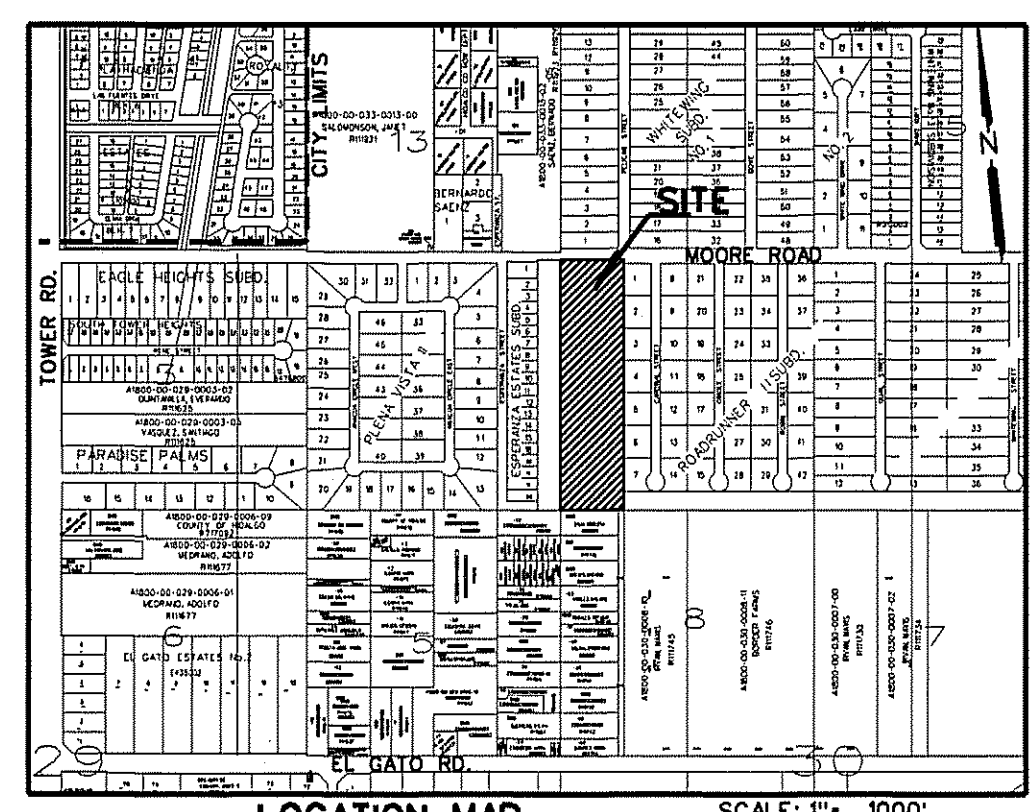
FILED FOR RECORD IN  
HIDALGO COUNTY  
ARTURO GUAJARDO, JR.  
HIDALGO COUNTY CLERK

ON: \_\_\_\_\_ AT \_\_\_\_\_ AM/PM  
INSTRUMENT NUMBER \_\_\_\_\_  
OF THE MAP RECORDS OF HIDALGO COUNTY, TEXAS  
BY: \_\_\_\_\_ DEPUTY



CURVE TABLE

NO.	RADIUS	LENGTH	DELTA
A	50.0'	52.36'	60°00'00"
B	50.0'	78.54'	90°00'00"



LOCATION OF SUBDIVISION WITH RESPECT TO THE EXTRATERRITORIAL JURISDICTION OF A MUNICIPALITY:  
MEZQUITE MOORE SUBDIVISION IS LOCATED WITHIN HIDALGO COUNTY PRECINCT NO. 2 IN THE CENTRAL EAST OF HIDALGO COUNTY ON THE SOUTH SIDE OF MOORE ROAD, 1/2 MILE EAST OF TOWER ROAD, THE ONLY NEARBY MUNICIPALITY IS THE CITY OF ALAMO. ACCORDING TO THE MAP IN THE OFFICE OF THE SECRETARY OF THE CITY OF ALAMO (POPULATION 19,149 / 2015 CENSUS), MEZQUITE MOORE SUBDIVISION LIES APPROXIMATELY 1/2 MILE FROM THE CITY LIMITS OF ALAMO AND LIES WITHIN THE CITY'S 2 MILE EXTRATERRITORIAL JURISDICTION (ETJ) UNDER LOCAL GOVERNMENT CODE § 42.021

REVISION NOTES

No.	SHEET	REVISION	DATE	APPROVED

PRINCIPAL CONTACTS:

NAME	ADDRESS	CITY & ZIP	PHONE
OWNER: RICARDO CAZARES	1337 W. MOORE ROAD	ALAMO, TEXAS, 78516	(956) 884-8093
ENGINEER: GUILLERMO A. ARRATIA	526 N. 5TH ST.	DONNA, TX 78537	(956) 784-0218
SURVEYOR: REYNALDO ROBLES	107 W. HUISACHE ST.	WESLACO, TEXAS, 78596	956-968-2422

**NAIN ENGINEERING, L.L.C.**  
CONSULTING ENGINEER

526 N. 5TH STREET  
DONNA, TEXAS, 78537

FIRM NO. F-9050 PH. (956) 784-0218  
E-MAIL: NAINENGINEERING@YAHOO.COM

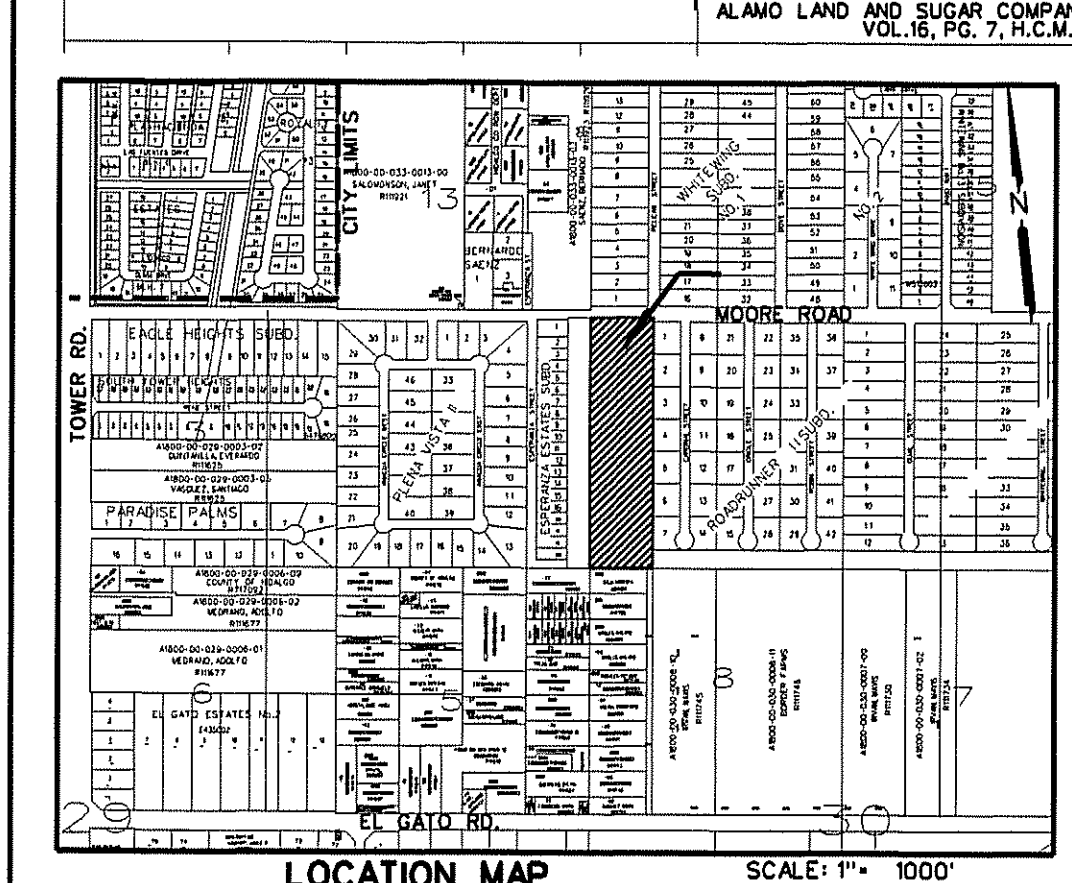
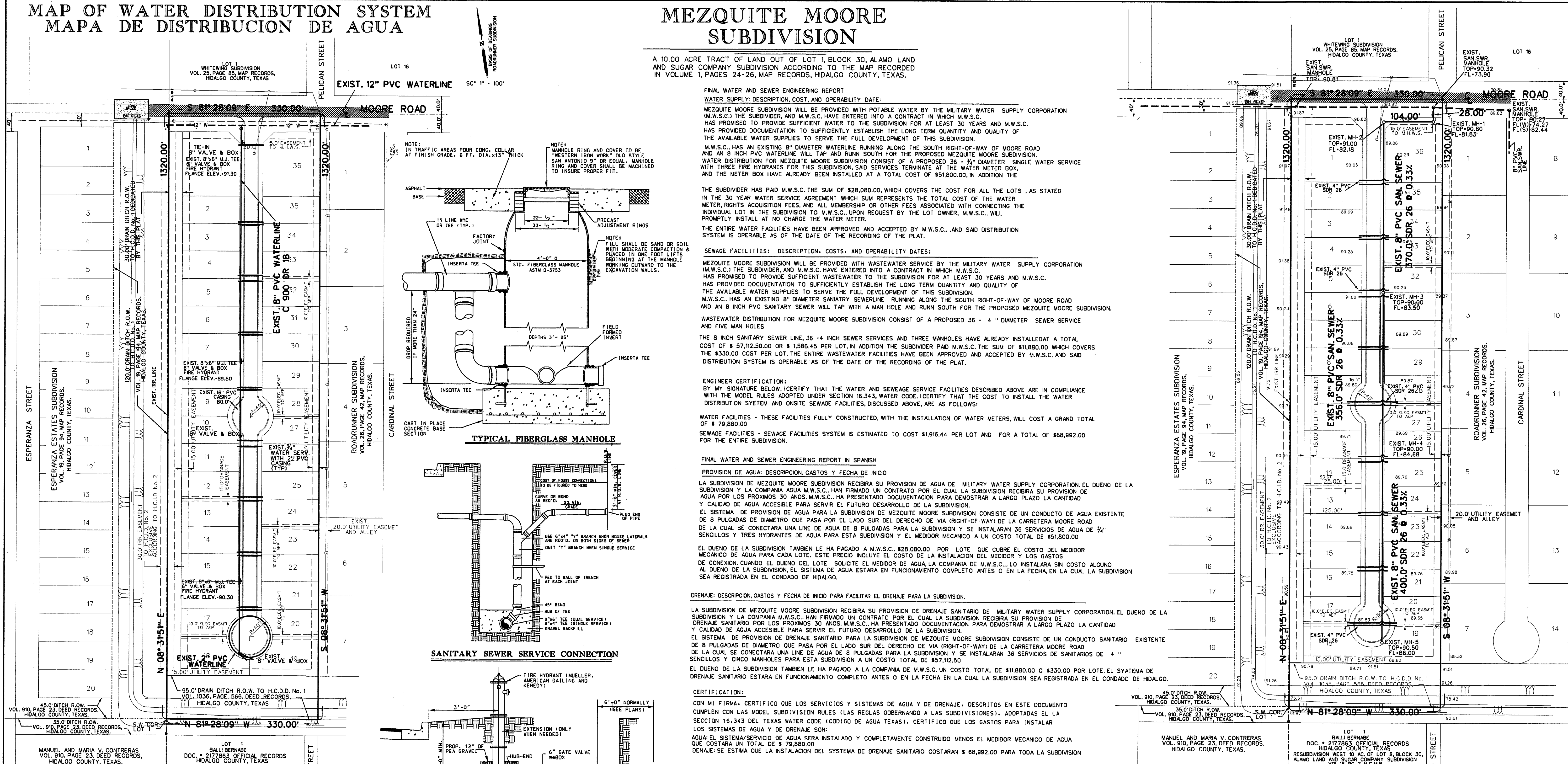
INDEX TO SHEET OF MEZQUITE MOORE SUBDIVISION

SHEET	DESCRIPTION
SHEET 1	HEADING; INDEX; LOCATION MAP AND ETJ; PRINCIPAL CONTACTS; PLAT WITH LOTS, STREETS, AND EASEMENT DESIGNATIONS; LEGAL DESCRIPTION (METES AND BOUNDS); SURVEYOR'S AND ENGINEER'S CERTIFICATION; PLAT NOTES AND RESTRICTIONS; OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION; COUNTY APPROVAL CERTIFICATE; COUNTY CLERK'S RECORDING CERTIFICATE; HIDALGO COUNTY CERTIFICATE OF PLAT APPROVAL; DESCRIPTION OF LOCATION OF SUBDIVISION WITH RESPECT TO THE ETJ OF A MUNICIPALITY AND DESIGNATE THE PRECINCT THE PROJECT IS SITUATED; H.C.D.D. CERTIFICATION; H.C.I.D. NO. 2 CERTIFICATE
SHEET 2	OF APPROVAL; REVISION NOTES; H.C.H.D. WATER DISTRIBUTION AND ON-SITE SEWAGE FACILITY, ENGINEERING REPORT (ENGLISH AND SPANISH VERSION), INCLUDING DESCRIPTION OF WATER AND WASTE WATER AND ENGINEER'S CERTIFICATION (ENGLISH AND SPANISH VERSION); TYPICAL WATER SERVICE CONNECTION; OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION
SHEET 3	DRAINAGE REPORT INCLUDING DESCRIPTION OF DRAINAGE AND HOW IT WILL SERVE THIS DEVELOPMENT; MAP OF TOPOGRAPHY AND DRAINAGE; AND ENGINEER'S CERTIFICATION; REVISION NOTES; CONSTRUCTION DETAILS

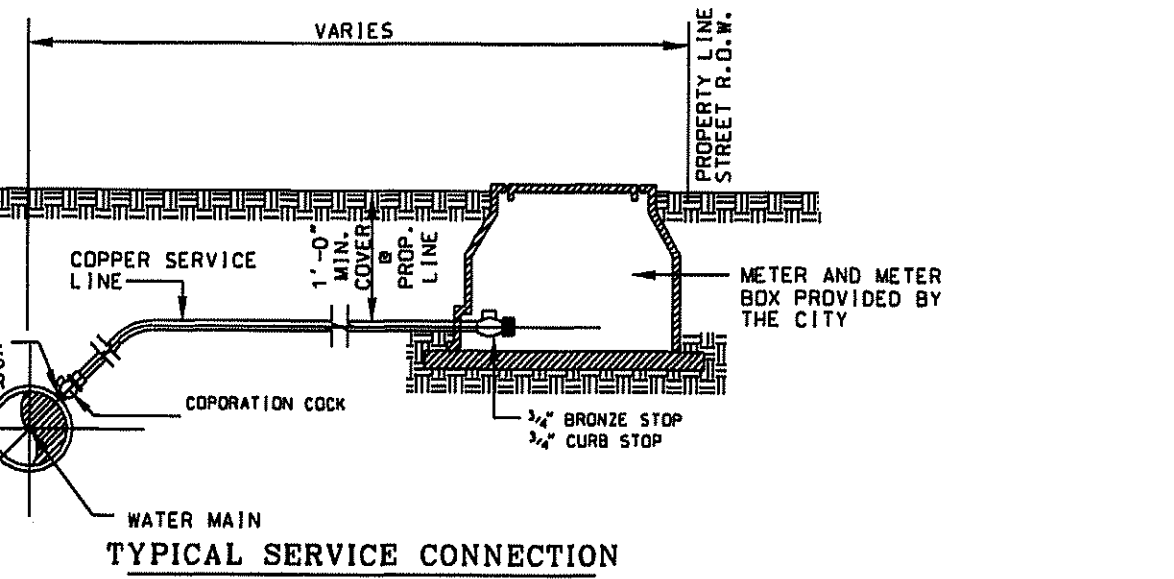
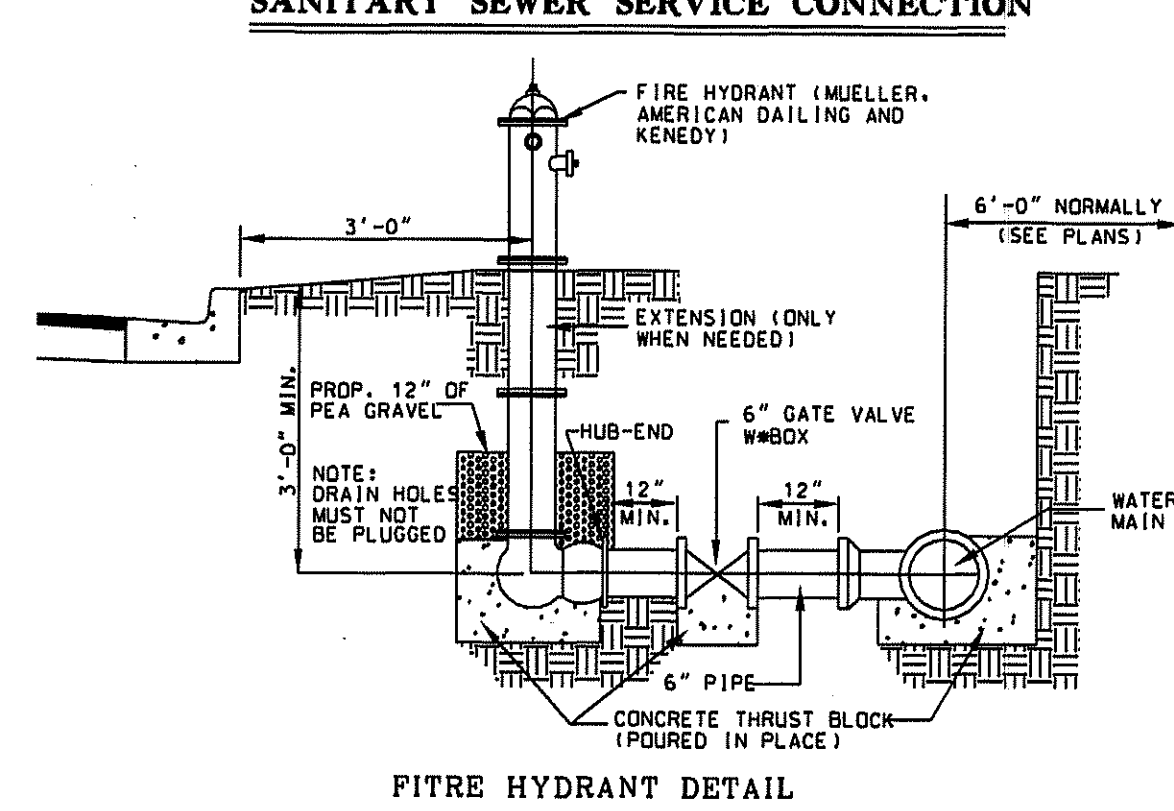
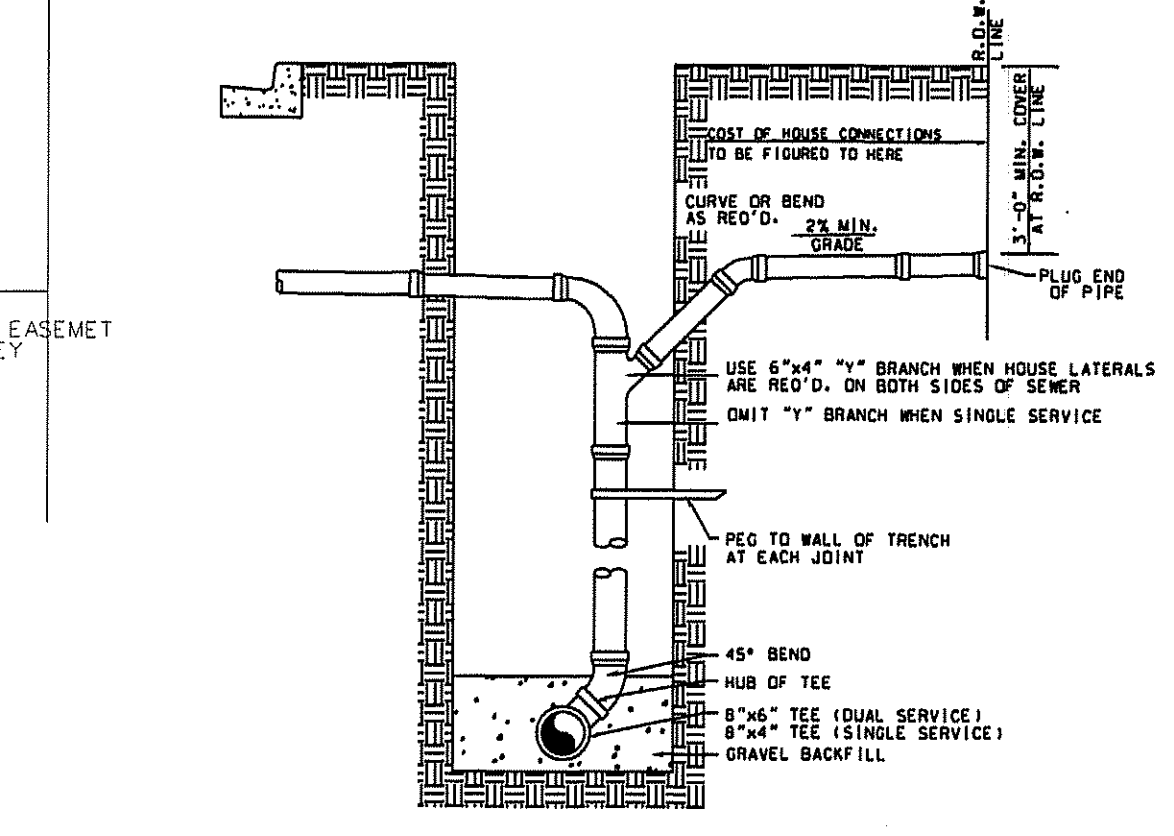
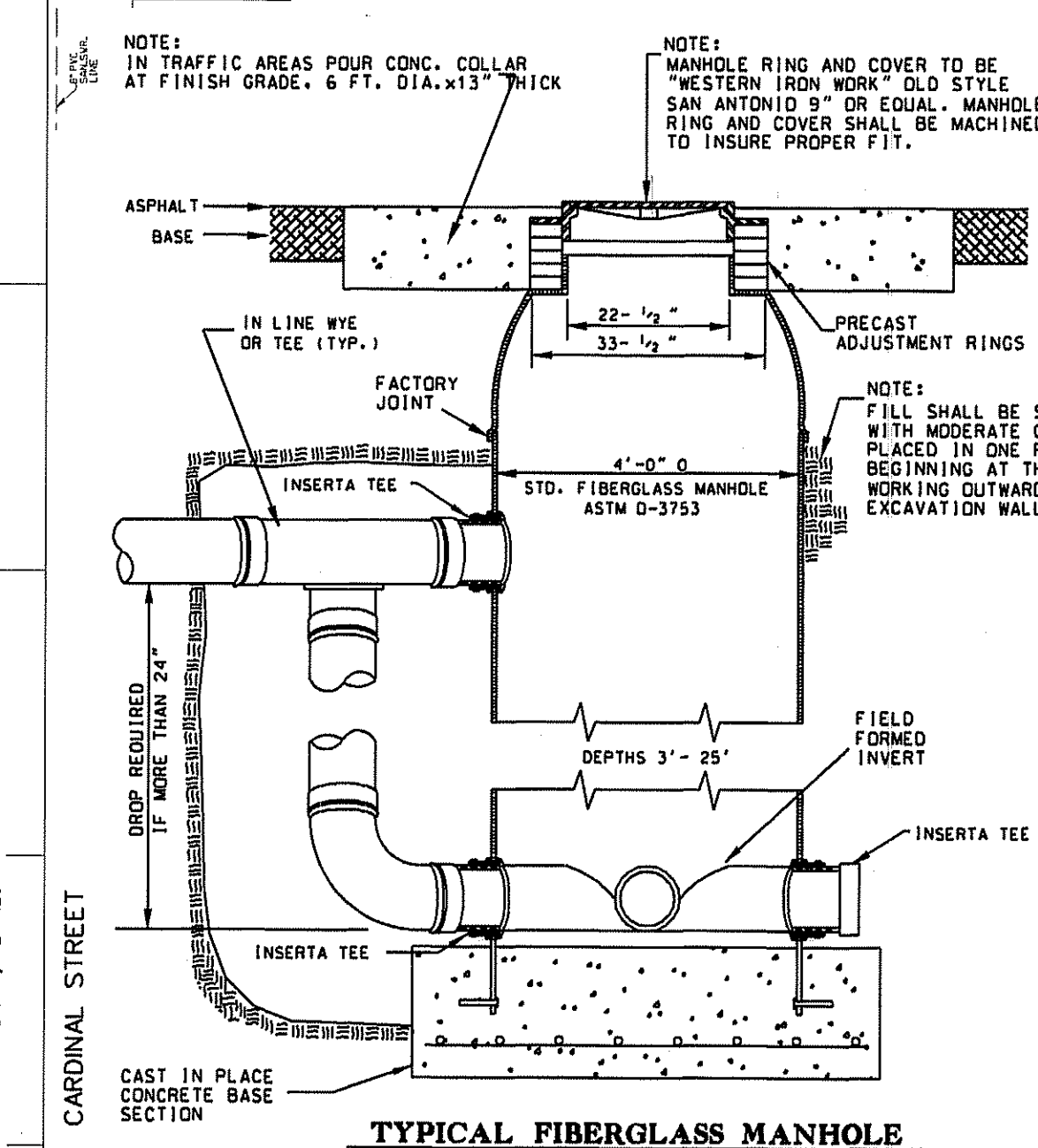
MAP OF WATER DISTRIBUTION SYSTEM  
MAPA DE DISTRIBUCION DE AGUA

MEZQUITE MOORE  
SUBDIVISION

A 10.00 ACRE TRACT OF LAND OUT OF LOT 1, BLOCK 30, ALAMO LAND AND SUGAR COMPANY SUBDIVISION ACCORDING TO THE MAP RECORDED IN VOLUME 1, PAGES 24-26, MAP RECORDS, HIDALGO COUNTY, TEXAS.



LOCATION OF SUBDIVISION WITH RESPECT TO THE EXTRAJURISDICTION OF A MUNICIPALITY:  
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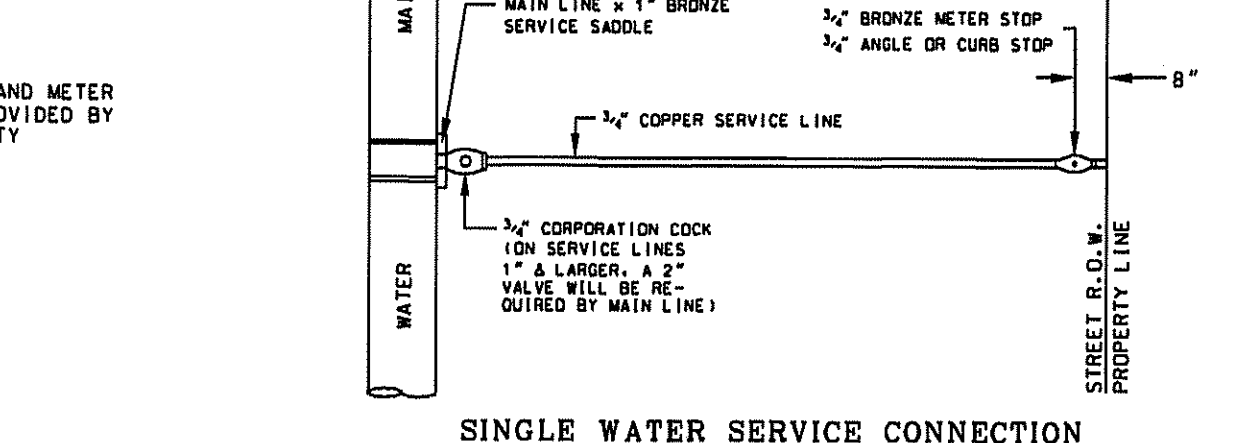
No.	SHEET	REVISION	DATE	APPROVED

**FINAL WATER AND SEWER ENGINEERING REPORT**  
WATER SUPPLY DESCRIPTION, COST, AND OPERABILITY DATE:  
MEZQUITE MOORE SUBDIVISION WILL BE PROVIDED WITH POTABLE WATER BY THE MILITARY WATER SUPPLY CORPORATION (M.W.S.C.) THE SUBDIVIDER, AND M.W.S.C. HAVE ENTERED INTO A CONTRACT IN WHICH M.W.S.C. HAS PROMISED TO PROVIDE SUFFICIENT WATER TO THE SUBDIVISION FOR AT LEAST 30 YEARS AND M.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.  
M.W.S.C. HAS AN EXISTING 8" DIAMETER WATERLINE RUNNING ALONG THE SOUTH RIGHT-OF-WAY OF MOORE ROAD AND AN 8 INCH PVC WATERLINE WILL TAP AND RUN SOUTH FOR THE PROPOSED MEZQUITE MOORE SUBDIVISION. WATER DISTRIBUTION FOR MEZQUITE MOORE SUBDIVISION CONSIST OF A PROPOSED 3/4" DIAMETER SINGLE WATER SERVICE WITH THREE FIRE HYDRANTS FOR THIS SUBDIVISION, SAID SERVICES TERMINATE AT THE WATER METER BOX, AND THE METER BOX HAVE ALREADY BEEN INSTALLED AT A TOTAL COST OF \$51,800.00, IN ADDITION THE  
THE SUBDIVIDER HAS PAID M.W.S.C. THE SUM OF \$28,080.00, WHICH COVERS THE COST FOR ALL THE LOTS, AS STATED IN THE 30 YEAR WATER SERVICE AGREEMENT WHICH SUM REPRESENTS THE TOTAL COST OF THE WATER METER, RIGHTS ACQUISITION FEES, AND ALL MEMBERSHIP OR OTHER FEES ASSOCIATED WITH CONNECTING THE INDIVIDUAL LOT IN THE SUBDIVISION TO M.W.S.C. UPON REQUEST BY THE LOT OWNER, M.W.S.C. WILL PROMPTLY INSTALL AT NO CHARGE THE WATER METER.  
THE ENTIRE WATER FACILITIES HAVE BEEN APPROVED AND ACCEPTED BY M.W.S.C., AND SAID DISTRIBUTION SYSTEM IS OPERABLE AS OF THE DATE OF THE RECORDING OF THE PLAT.  
SEWAGE FACILITIES: DESCRIPTION, COSTS, AND OPERABILITY DATES:  
MEZQUITE MOORE SUBDIVISION WILL BE PROVIDED WITH WASTEWATER SERVICE BY THE MILITARY WATER SUPPLY CORPORATION (M.W.S.C.) THE SUBDIVIDER, AND M.W.S.C. HAVE ENTERED INTO A CONTRACT IN WHICH M.W.S.C. HAS PROMISED TO PROVIDE SUFFICIENT WASTEWATER TO THE SUBDIVISION FOR AT LEAST 30 YEARS AND M.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.  
M.W.S.C. HAS AN EXISTING 8" DIAMETER SANITARY SEWERLINE RUNNING ALONG THE SOUTH RIGHT-OF-WAY OF MOORE ROAD AND AN 8 INCH PVC SANITARY SEWER WILL TAP WITH A MAN HOLE AND RUNN SOUTH FOR THE PROPOSED MEZQUITE MOORE SUBDIVISION.  
WASTEWATER DISTRIBUTION FOR MEZQUITE MOORE SUBDIVISION CONSIST OF A PROPOSED 36" - 4" DIAMETER SEWER SERVICE AND FIVE MAN HOLES  
THE 8 INCH SANITARY SEWER LINE, 36" - 4 INCH SEWER SERVICES AND THREE MANHOLES HAVE ALREADY INSTALLED AT A TOTAL COST OF \$ 57,112.50.00 OR \$ 1,586.45 PER LOT, IN ADDITION THE SUBDIVIDER PAID M.W.S.C. THE SUM OF \$11,880.00 WHICH COVERS THE \$330.00 COST PER LOT. THE ENTIRE WASTEWATER FACILITIES HAVE BEEN APPROVED AND ACCEPTED BY M.W.S.C. AND SAID DISTRIBUTION SYSTEM IS OPERABLE AS OF THE DATE OF THE RECORDING OF THE PLAT.  
ENGINEER 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 COST TO INSTALL THE WATER DISTRIBUTION SYSTEM AND ON-SITE SEWAGE FACILITIES, DISCUSSED ABOVE, ARE AS FOLLOWS:  
WATER FACILITIES - THESE FACILITIES FULLY CONSTRUCTED, WITH THE INSTALLATION OF WATER METERS, WILL COST A GRAND TOTAL OF \$ 79,880.00  
SEWAGE FACILITIES - SEWAGE FACILITIES SYSTEM IS ESTIMATED TO COST \$1,916.44 PER LOT AND FOR A TOTAL OF \$68,992.00 FOR THE ENTIRE SUBDIVISION.

**FINAL WATER AND SEWER ENGINEERING REPORT IN SPANISH**  
PROVISION DE AGUA: DESCRIPCION, GASTOS Y FECHA DE INICIO  
LA SUBDIVISION DE MEZQUITE MOORE SUBDIVISION RECIBIRA SU PROVISION DE AGUA DE MILITARY WATER SUPPLY CORPORATION, EL DUENO DE LA SUBDIVISION Y LA COMPANIA AGUA M.W.S.C., HAN FIRMADO UN CONTRATO POR EL CUAL LA SUBDIVISION RECIBIRA SU PROVISION DE AGUA POR LOS PROXIMOS 30 ANOS. M.W.S.C., 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 MEZQUITE MOORE SUBDIVISION CONSISTE DE UN CONDUCTO DE AGUA EXISTENTE DE 8 PULGADAS DE DIAMETRO QUE PASA POR EL LADO SUR DEL DERECHO DE VIA (RIGHT-OF-WAY) DE LA CARRETERA MOORE ROAD DE LA CUAL SE CONECTARA UNA LINEA DE AGUA DE 8 PULGADAS PARA LA SUBDIVISION Y SE INSTALARAN 36 SERVICIOS DE AGUA DE 3/4" SENCILLOS Y TRES HIDRANTES DE AGUA PARA ESTA SUBDIVISION Y EL MEDIDOR MECANICO A UN COSTO TOTAL DE \$51,800.00  
EL DUENO DE LA SUBDIVISION TAMBIEN LE HA PAGADO A M.W.S.C. \$28,080.00 POR LOTE QUE CUBRE EL COSTO DEL MEDIDOR MECANICO DE AGUA PARA CADA LOTE. ESTE PRECIO INCLuye EL COSTO DE LA INSTALACION DEL MEDIDOR Y LOS GASTOS DE CONEXION, CUANDO EL DUENO DEL LOTE SOLICITE EL MEDIDOR DE AGUA LA COMPANIA DE M.W.S.C. SIN COSTO ALGUNO AL DUENO DE LA SUBDIVISION, 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: DESCRIPCION, GASTOS Y FECHA DE INICIO PARA FACILITAR EL DRENAJE PARA LA SUBDIVISION.  
LA SUBDIVISION DE MEZQUITE MOORE SUBDIVISION RECIBIRA SU PROVISION DE DRENAJE SANITARIO DE MILITARY WATER SUPPLY CORPORATION, EL DUENO DE LA SUBDIVISION Y LA COMPANIA M.W.S.C., HAN FIRMADO UN CONTRATO POR EL CUAL LA SUBDIVISION RECIBIRA SU PROVISION DE DRENAJE SANITARIO POR LOS PROXIMOS 30 ANOS. M.W.S.C., 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 DRENAJE SANITARIO PARA LA SUBDIVISION DE MEZQUITE MOORE SUBDIVISION CONSISTE DE UN CONDUCTO SANITARIO EXISTENTE DE 8 PULGADAS DE DIAMETRO QUE PASA POR EL LADO SUR DEL DERECHO DE VIA (RIGHT-OF-WAY) DE LA CARRETERA MOORE ROAD DE LA CUAL SE CONECTARA UNA LINEA DE AGUA DE 8 PULGADAS PARA LA SUBDIVISION Y SE INSTALARAN 36 SERVICIOS DE SANITARIOS DE 4" SENCILLOS Y CINCO MANHOLES PARA ESTA SUBDIVISION A UN COSTO TOTAL DE \$57,112.50  
EL DUENO DE LA SUBDIVISION TAMBIEN LE HA PAGADO A LA COMPANIA DE M.W.S.C. UN COSTO TOTAL DE \$11,880.00 O \$330.00 POR LOTE. EL SISTEMA DE DRENAJE SANITARIO ESTARA EN FUNCIONAMIENTO COMPLETO ANTES O EN LA FECHA EN LA CUAL LA SUBDIVISION SEA REGISTRADA EN EL 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 GOBERNANDO A LAS SUBDIVISIONES), ADOPTADAS EN 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 SERA INSTALADO Y COMPLETAMENTE CONSTRUIDO MENOS EL MEDIDOR MECANICO DE AGUA QUE COSTARAN UN TOTAL DE \$ 79,880.00  
DRENAJE: SE ESTIMA QUE LA INSTALACION DEL SISTEMA DE DRENAJE SANITARIO COSTARAN \$ 68,992.00 PARA TODA LA SUBDIVISION

SUBDIVIDER CERTIFICATION:  
1.- BY COMPLETING THE IMPROVEMENTS DESCRIBED IN THE PLAT, SUBDIVIDER WILL COMPLY WITH MINIMUM STATE STANDARDS AND THAT (a) WATER QUALITY AND CONNECTIONS INCLUDING WATER METERS TO THE LOT MEET SUCH STANDARDS AND (b) 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 RICARDO CAZARES SUBDIVIDER OF MEZQUITE MOORE SUBDIVISION HEREBY CERTIFY SEWER PERMITS HAVE BEEN PAID AND ARE ON FILE WITH THE HIDALGO COUNTY HEALTH DEPARTMENT THAT ANY 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 TO THE STATE AS REQUIRED BY STATE AND COUNTY REGULATIONS.



PRINCIPAL CONTACTS:  
OWNER: RICARDO CAZARES 1337 W. MOORE ROAD ALAMO, TEXAS, 78516 (956) 884-8093  
ENGINEER: GUILLERMO A. ARRATIA 526 N. 5TH ST. DONNA, TX 78537 (956) 784-0218  
SURVEYOR: REYNALDO ROBLES 107 W. HUISACHE ST. WESLACO, TEXAS, 78759 (956) 968-2422

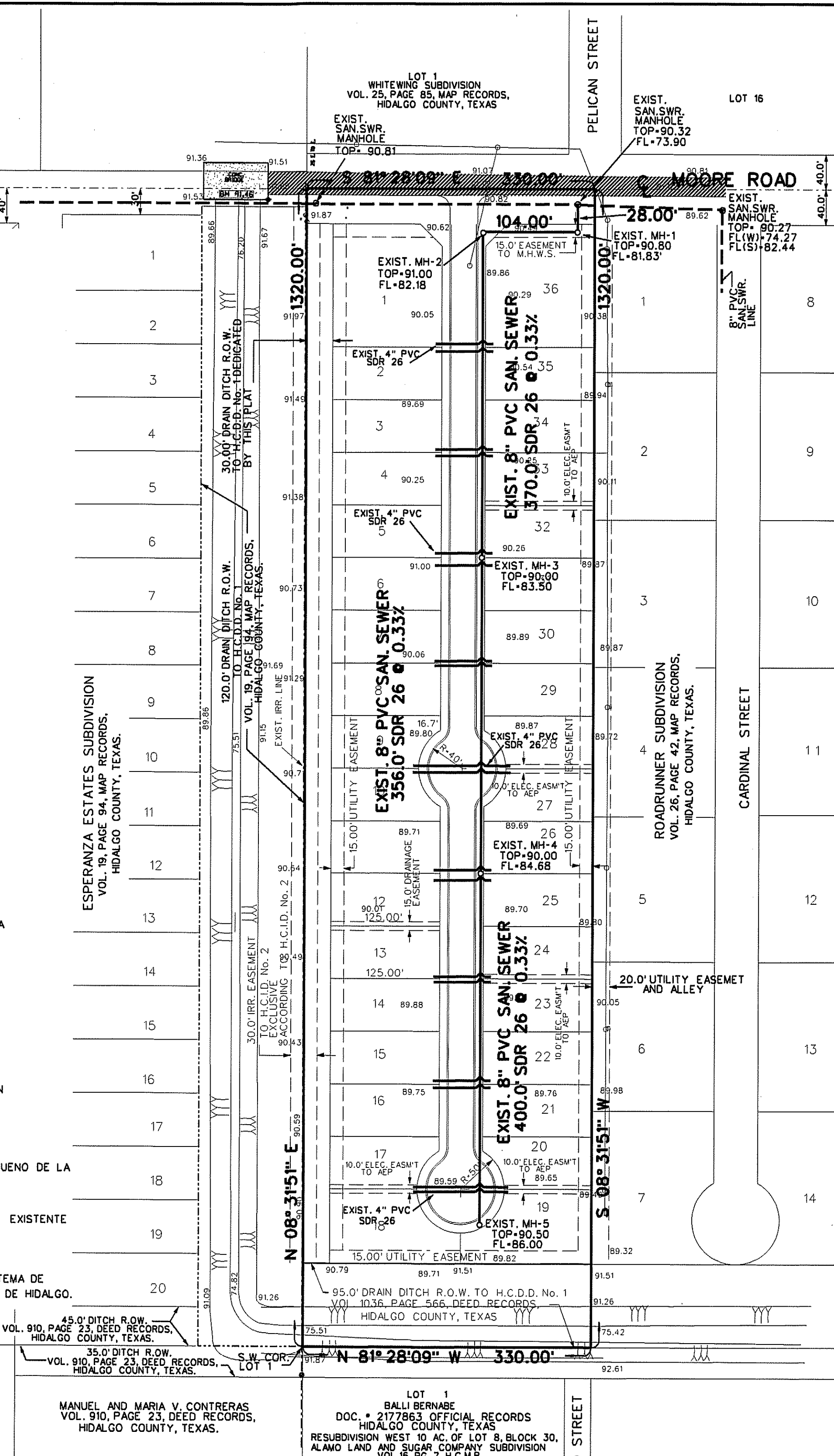
STATE OF TEXAS  
COUNTY OF HIDALGO  
BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC, ON THIS DAY PERSONALLY APPEARED RICARDO CAZARES PROVED TO BE THROUGH THEIR TEXAS DEPARTMENT OF PUBLIC SAFETY DRIVER LICENSE TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT, WHO, BEING BY ME DULY SWORN, 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 10th DAY of Sept, 2019  
LEONOR ARRATIA  
Notary Public, State of Texas  
December 19, 2022

COST ESTIMATE:  
STREET PAVING: \$ 83,874.50  
WATER SUPPLY SYSTEM: \$ 51,800.00  
SANITARY SEWER SYSTEM: \$ 57,112.50  
DRAINAGE: \$ 56,194.00

STATE OF TEXAS  
COUNTY OF HIDALGO  
BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC, ON THIS DAY PERSONALLY APPEARED RICARDO CAZARES PROVED 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 DULY SWORN, 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 10th DAY of Sept, 2019  
LEONOR ARRATIA  
Notary Public, State of Texas  
December 19, 2022

STATE OF TEXAS  
COUNTY OF HIDALGO  
BEFORE ME, THE UNDERSIGNED NOTARY PUBLIC, ON THIS DAY PERSONALLY APPEARED RICARDO CAZARES PROVED 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 DULY SWORN, 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 10th DAY of Sept, 2019  
LEONOR ARRATIA  
Notary Public, State of Texas  
December 19, 2022

**NAIN ENGINEERING, L.L.C.**  
CONSULTING ENGINEER  
526 N. 5TH STREET  
DONNA, TEXAS, 78537  
FIRM NO. F-9050  
PH. (956) 784-0218  
E-MAIL: NAINENGINEERING@AHO.COM



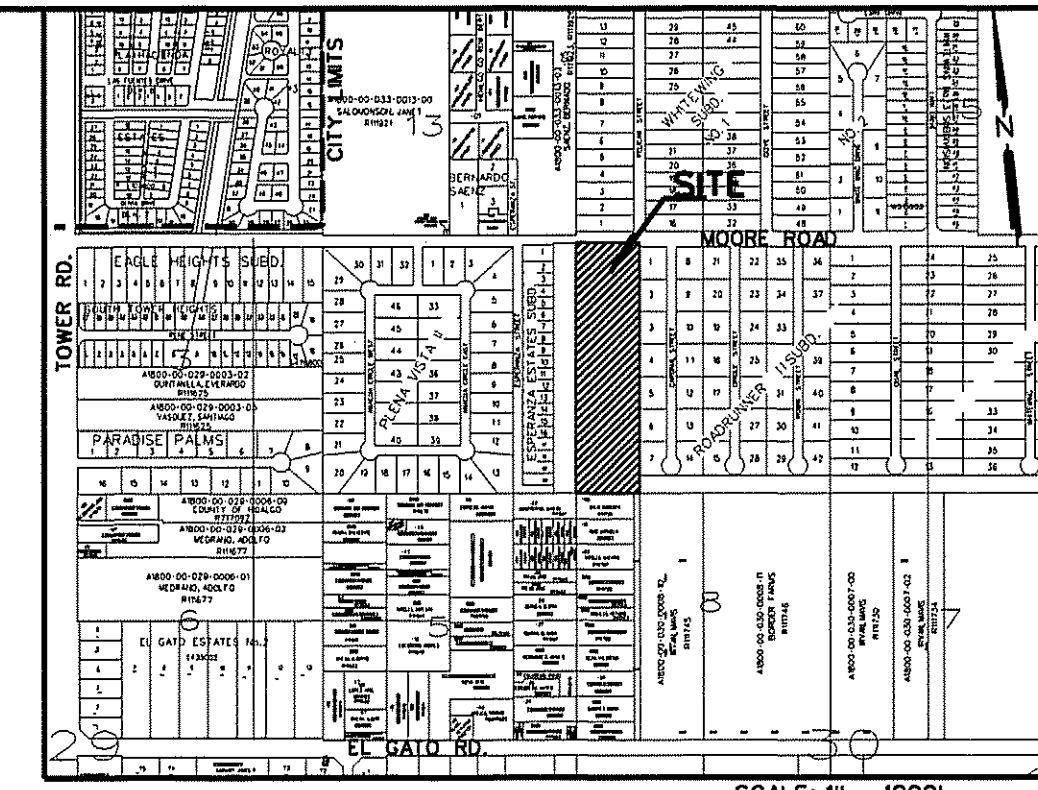
MANUEL AND MARIA V. CONTRERAS  
VOL. 910, PAGE 23, DEED RECORDS,  
HIDALGO COUNTY, TEXAS.  
LOT 1  
BALLI BERNABE  
DOC. # 2172863 OFFICIAL RECORDS  
HIDALGO COUNTY, TEXAS  
RESUBDIVISION WEST 10 AC. OF LOT 8, BLOCK 30,  
ALAMO LAND AND SUGAR COMPANY SUBDIVISION  
VOL. 16, PG. 7, H.C.M.R.

INDEX TO SHEET OF MEZQUITE MOORE SUBDIVISION  
SHEET 1  
SHEET 2  
DATE OF PREPARATION: JUNE 10, 2018  
INDEX TO SHEET OF MEZQUITE MOORE SUBDIVISION  
HEADINGS: INDEX LOCATION MAP AND E.T.J. PRINCIPAL CONTACTS  
PLAT WITH LOTS, STREETS, AND EASEMENT DESIGNATIONS, LEGAL DESCRIPTION LIMITS AND BOUNDRIES; SURVEYOR'S AND ENGINEER'S CERTIFICATION; PLAT NOTES AND RESTRICTIONS; OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION; COUNTY APPROVAL CERTIFICATE; COUNTY CLERK'S RECORDING CERTIFICATE; HIDALGO COUNTY CERTIFICATE OF PLAT APPROVAL; DESCRIPTION OF LOCATION OF SUBDIVISION WITH RESPECT TO THE E.T.J. OF A MUNICIPALITY AND DESIGNATE THE PRECINCT THE PROJECT IS SITUATED; H.C.D.D. CERTIFICATION; H.C.L.D. No. 2 CERTIFICATE  
OF APPROVAL; REVISION NOTES; H.C.L.D. No. 2 CERTIFICATE  
WATER DISTRIBUTION AND ON-SITE SEWAGE FACILITY; ENGINEERING REPORT (ENGLISH AND SPANISH VERSION); INCLUDING DESCRIPTION OF WATER AND WASTE WATER AND ENGINEER'S CERTIFICATION (ENGLISH AND SPANISH VERSION); TYPICAL WATER SERVICE CONNECTIONS; OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION  
DRAINAGE REPORT INCLUDING DESCRIPTION OF DRAINAGE AND HOW IT WILL SERVE THIS DEVELOPMENT; MAP OF TOPOGRAPHY AND DRAINAGE; AND ENGINEER'S CERTIFICATION; REVISION NOTES; CONSTRUCTION DETAILS

# MEZQUITE MOORE SUBDIVISION

# MAP OF TOPOGRAPHY AND DRAINAGE MAPA DE TOPOGRAFIA Y DRENAJE

A 10.00 ACRE TRACT OF LAND OUT OF LOT 1, BLOCK 30, ALAMO LAND AND SUGAR COMPANY SUBDIVISION ACCORDING TO THE MAP RECORDED IN VOLUME 1, PAGES 24-26, MAP RECORDS, HIDALGO COUNTY, TEXAS.



**LOCATION MAP**  
SCALE: 1" = 1000'

LOCATION OF SUBDIVISION WITH RESPECT TO THE EXTRATERRITORIAL JURISDICTION OF A MUNICIPALITY:  
MEZQUITE MOORE SUBDIVISION IS LOCATED WITHIN HIDALGO COUNTY PRECINCT NO. 2 IN THE CENTRAL EAST OF HIDALGO COUNTY ON THE SOUTH SIDE OF MOORE ROAD, 1/2 MILE EAST OF TOWER ROAD. THE ONLY NEARBY MUNICIPALITY IS THE CITY OF ALAMO. ACCORDING TO THE MAP IN THE OFFICE OF THE SECRETARY OF THE CITY OF ALAMO (POPULATION 19,149 / 2015 CENSUS), MEZQUITE MOORE SUBDIVISION LIES APPROXIMATELY 1/2 MILE FROM THE CITY LIMITS OF ALAMO AND LIES WITHIN THE CITY'S 2 MILE EXTRATERRITORIAL JURISDICTION (ETJ) UNDER LOCAL GOVERNMENT CODE § 42.021

## DRAINAGE REPORT:

JUNE 10, 2018  
DRAINAGE REPORT:  
BY: GUILLERMO A. ARRATIA, P.E.  
**MEZQUITE MOORE SUBDIVISION**  
HIDALGO COUNTY, TEXAS

**PROJECT LOCATION:**  
THE PROPERTY IS LOCATED ON THE SOUTH SIDE OF MOORE ROAD 1/2 MILE EAST OF TOWER ROAD

**FLOOD PLANE:**  
THE SUBJECT TRACT LIES IN ZONE "B" (MEDIUM SHADING) FLOOD ZONE B - AREAS BETWEEN LIMITS OF THE 100-YEAR FLOOD AND 500-YEAR FLOOD; OR CERTAIN AREAS SUBJECT TO 100-YEAR FLOODING WITH AVERAGE DEPTHS LESS THAN ONE(1) FOOT OR WHERE THE CONTRIBUTING DRAINAGE AREA IS LESS THAN ONE SQUARE MILE; AREAS PROTECTED BY LEVEES FROM THE BASE FLOOD.

IN ACCORDANCE WITH FEMA FIRM MAP NO. 480334 0425 C MAP REVISED: NOVEMBER 16, 1982

**SOIL CONDITIONS:**  
A REVIEW OF THE SOIL SURVEY OF HIDALGO COUNTY INDICATES THE SUBJECT TRACT LIES IN AN AREA OF PREDOMINANTLY HIDALGO (28) SANDY CLAY LOAM SOIL THAT HAS A POOR LOW SHRINK-SWALE POTENTIAL AND IS LISTED IN HYDROLOGICAL GROUP B.

**EXISTING CONDITIONS:**  
THE SUBJECT TRACT IS CURRENTLY UNDEVELOPED. THE EXISTING TERRAIN HAS A GRADE OF APPROXIMATELY 0.1% EXISTING RUNOFF (3.81 CFS) FROM THE SITE IS BY FORM OF SHEET FLOW RUNS TOWARDS THE SOUTH SIDE OF THIS TRACT.

**PROPOSED CONDITIONS:**  
THE PROPOSED CONDITIONS FOR THIS SUBJECT TRACT CONSIST OF 36 RESIDENTIAL LOTS. THE STORM SEWER RUNOFF AFTER DEVELOPMENT WILL INCREASED 4.59 CFS FOR A TOTAL 8.4 CFS. I HAVE CALCULATED THAT 26,865 CF OF STORM RUNOFF FOR A 10 YEAR DESIGN FREQUENCY AND WILL BE OUT FALLING INTO A PROPOSED STORM SEWER SYSTEM PIPES RANGING FROM 18" AND 24" WITH CURB INLETS AND OUT FALLING INTO A DRAIN DITCH LOCATED ON THE WEST SIDE OF THIS SUBDIVISION AND OWNED BY H.C.D.D. NO. 1. DETENTION OF 26,865 CF WILL BE ACCOMPLISHED BY EXCAVATING THIS VOLUME ON SAID DRAIN DITCH.

**CERTIFICATION:**  
BY MY SIGNATURE BELOW, I CERTIFY THAT THIS SUBDIVISION LIES IN A THE SUBJECT TRACT LIES IN ZONE "B" (MEDIUM SHADING) FLOOD ZONE B - AREAS BETWEEN LIMITS OF THE 100-YEAR FLOOD AND 500-YEAR FLOOD; OR CERTAIN AREAS SUBJECT TO 100-YEAR FLOODING WITH AVERAGE DEPTHS LESS THAN ONE(1) FOOT OR WHERE THE CONTRIBUTING DRAINAGE AREA IS LESS THAN ONE SQUARE MILE; AREAS PROTECTED BY LEVEES FROM THE BASE FLOOD.

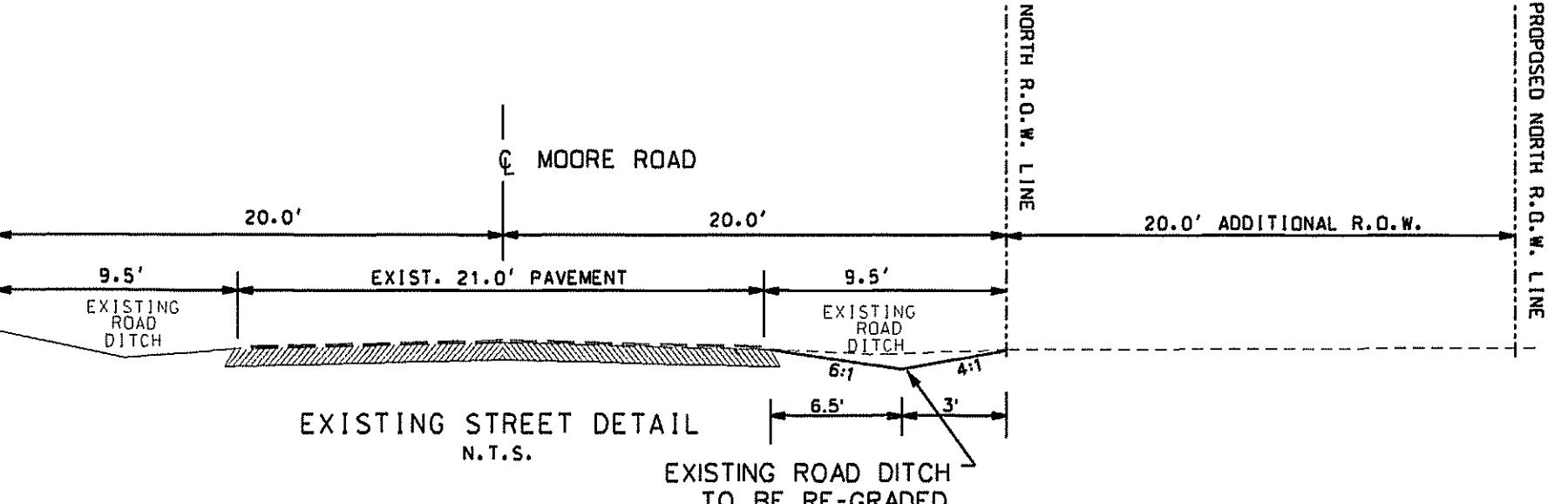
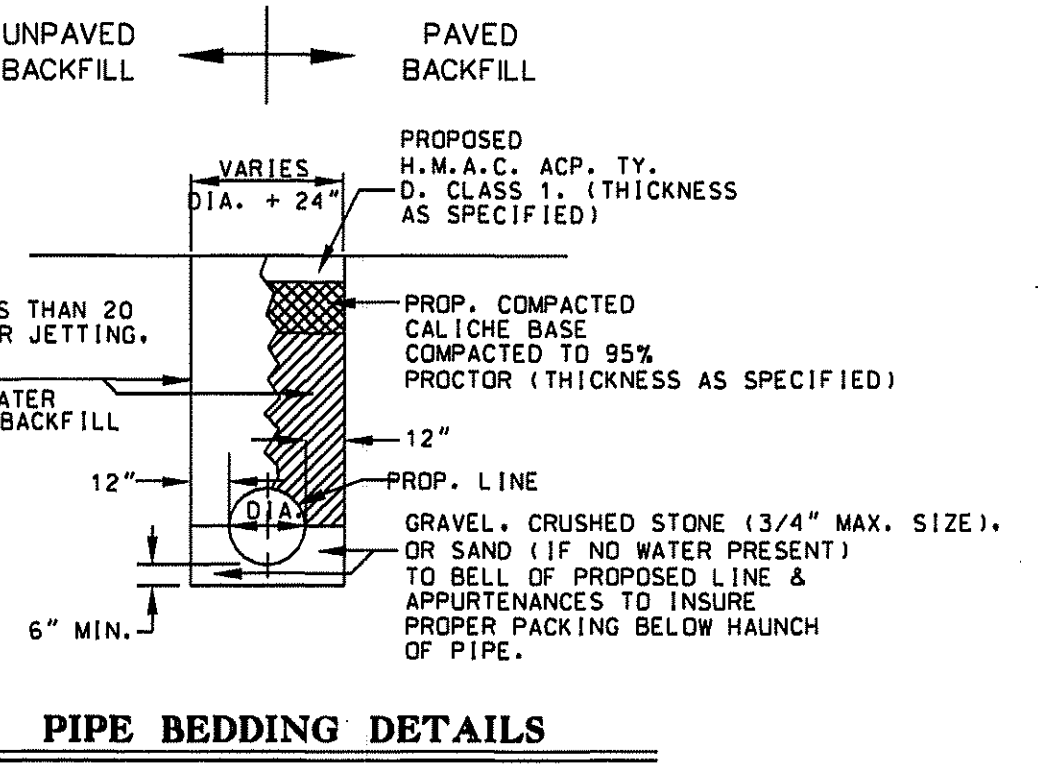
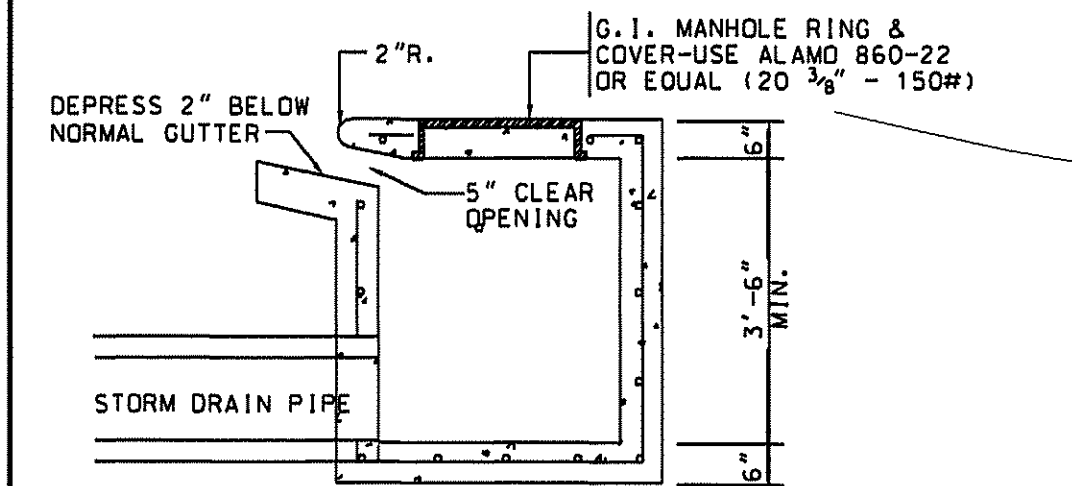
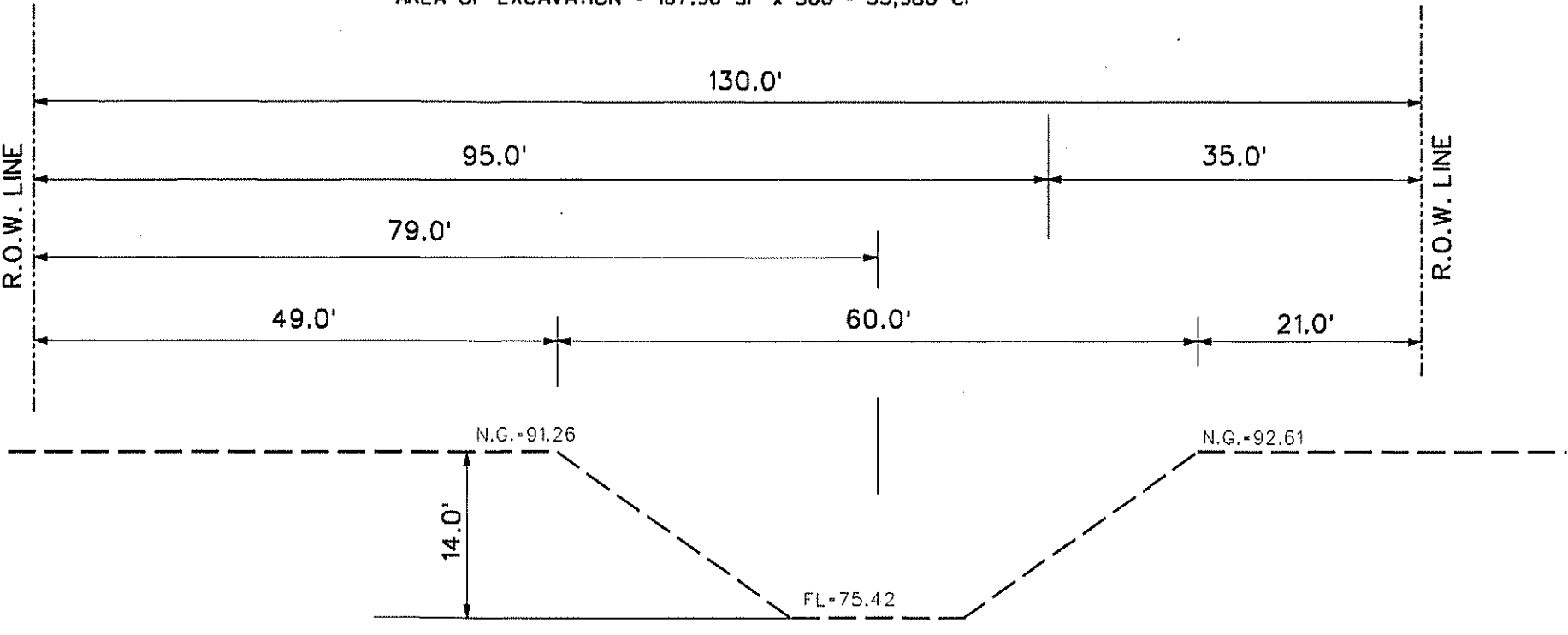
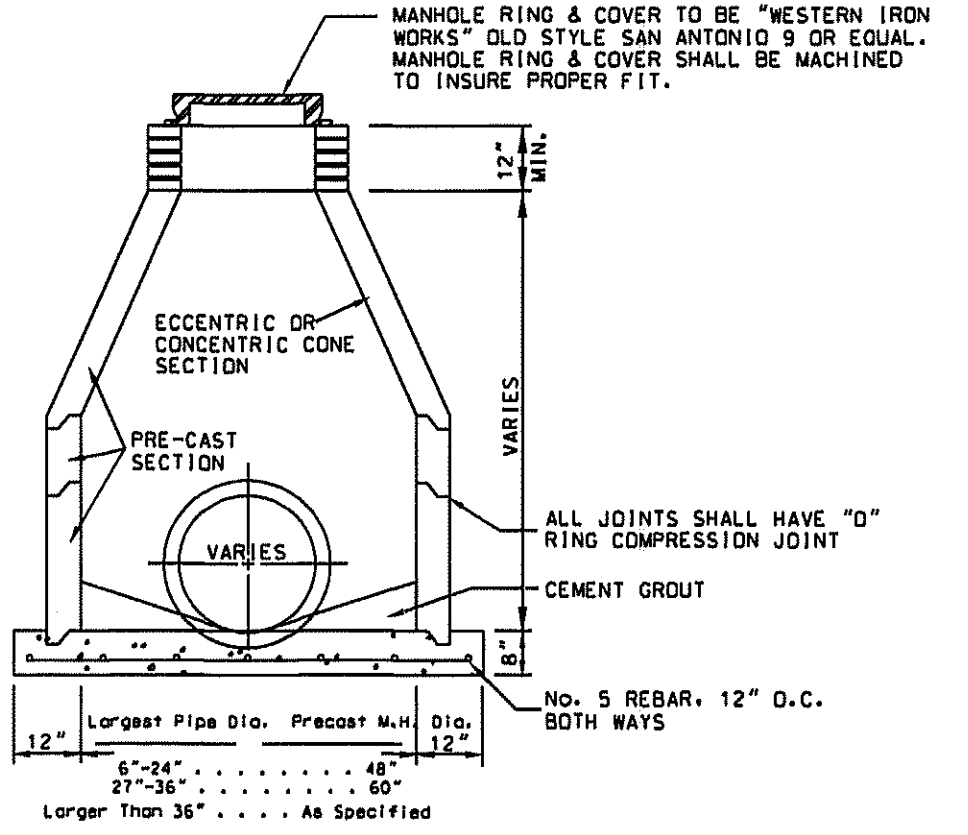
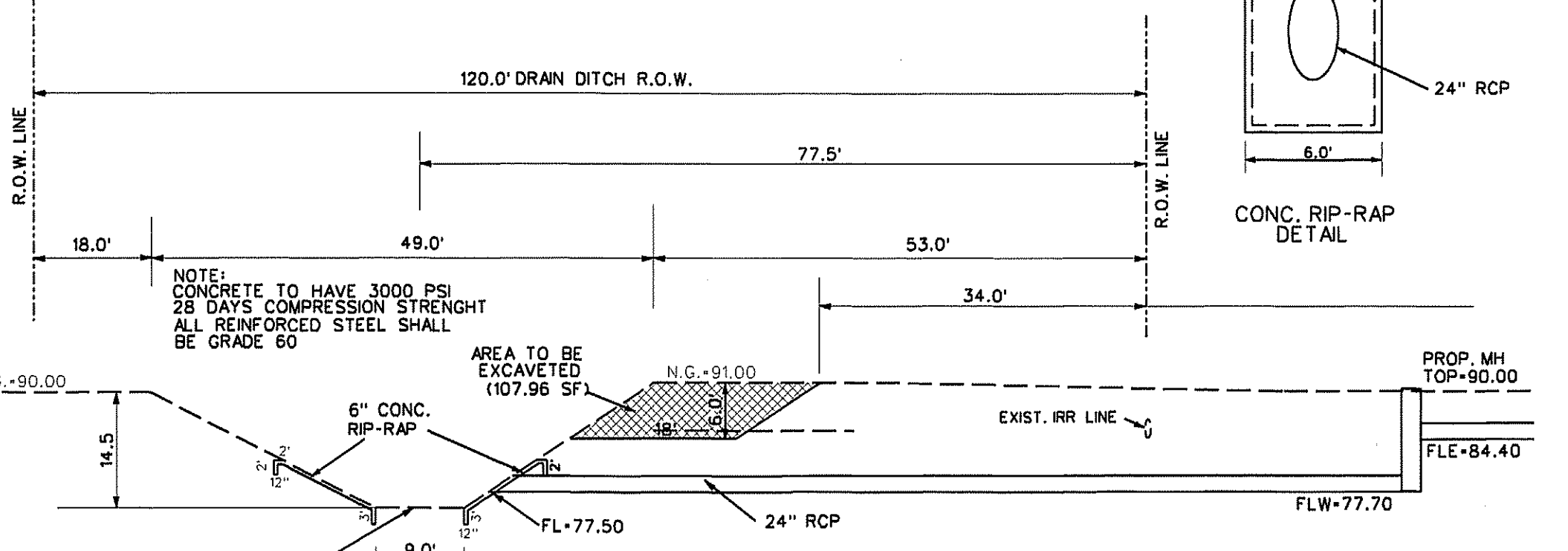
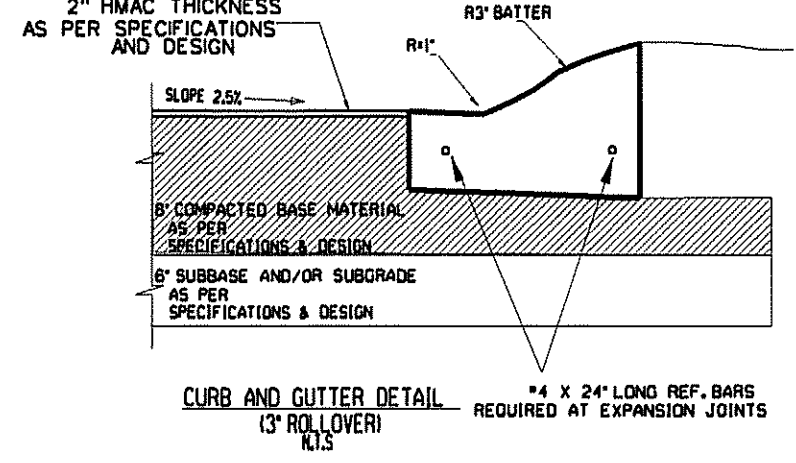
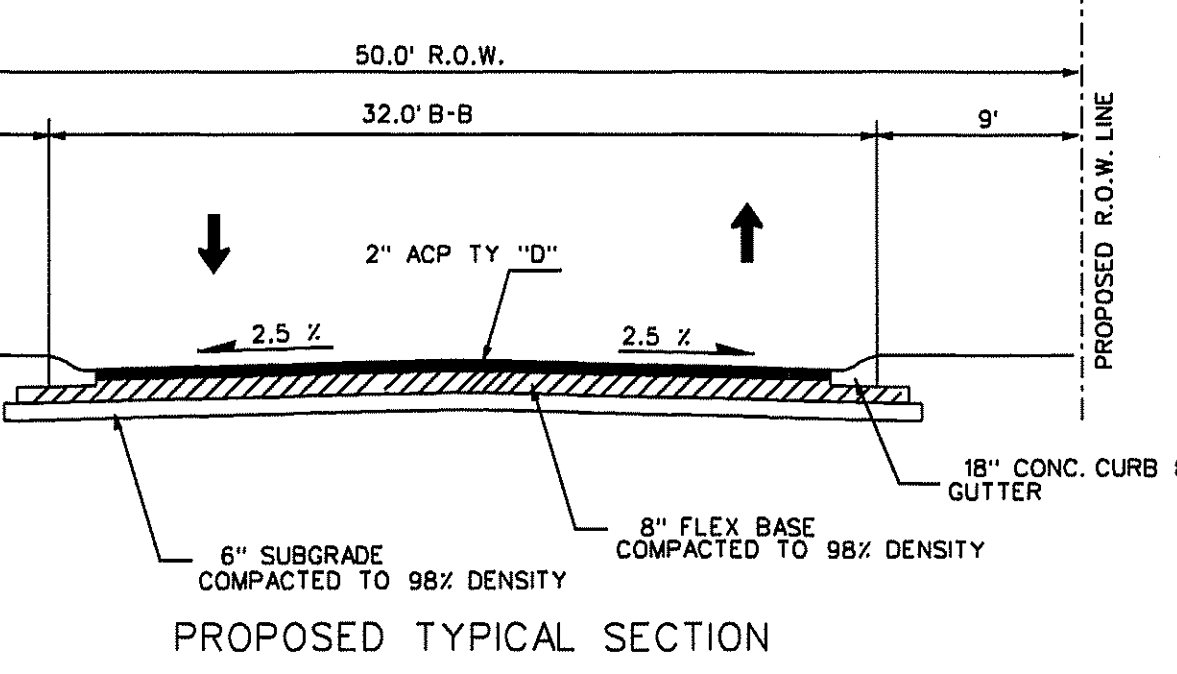
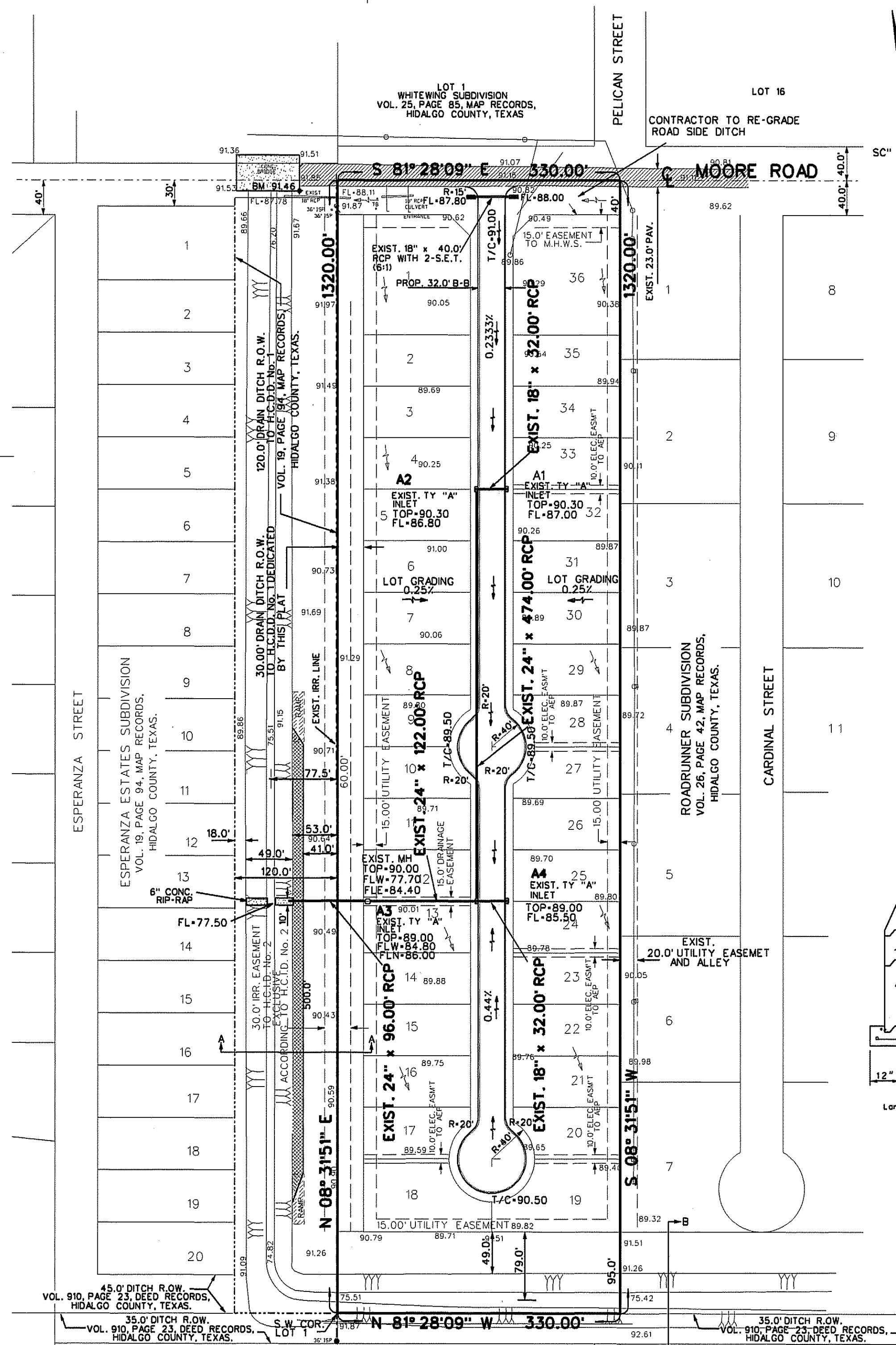
IN ACCORDANCE WITH FEMA FIRM MAP NO. 480334 0425 C MAP REVISED: NOVEMBER 16, 1982  
BASED ON GRAPHICAL REPRESENTATION ON DATE SIGN.

*Guillermo A. Arratia, P.E. 7/10/19*  
GUILLERMO A. ARRATIA  
LICENSED PROFESSIONAL ENGINEER NO. 94001  
526 N. 5TH ST.  
DONNA, TEXAS, 78537



**COST ESTIMATE:**

STREET PAVING:	\$ 83,874.50
WATER SUPPLY SYSTEM	\$ 51,800.00
SANITARY SEWER SYSTEM	\$ 37,114.50
DRAINAGE	\$ 36,194.00



**REVISION NOTES**

No.	SHEET	REVISION	DATE	APPROVED

**PRINCIPAL CONTACTS:**

NAME	ADDRESS	CITY & ZIP	PHONE
OWNER: RICARDO CAZARES	1337 W. MOORE ROAD	ALAMO, TEXAS, 78516	(956) 884-8093
ENGINEER: GUILLERMO A. ARRATIA	526 N. 5TH ST.	DONNA, TX 78537	(956) 784-0218
SURVEYOR: REYNALDO ROBLES	107 W. HUISACHE ST.	WESLACO, TEXAS, 78596	956-966-2422

**NAIN ENGINEERING, L.L.C.**  
CONSULTING ENGINEER

526 N. 5TH STREET  
DONNA, TEXAS, 78537

FIRM NO. F-9050 PH. (956) 784-0218  
E-MAIL: NAINENGINEERING@AHO.COM

**INDEX TO SHEET OF MEZQUITE MOORE SUBDIVISION**

SHEET	DESCRIPTION
SHEET 1	HEADING; INDEX; LOCATION MAP AND ETJ; PRINCIPAL CONTACTS; PLAT WITH LOTS, STREETS, AND EASEMENT DESIGNATIONS; LEGAL DESCRIPTION (METES AND BOUNDS); SURVEYOR'S AND ENGINEER'S CERTIFICATION; PLAT NOTES AND RESTRICTIONS; OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION; COUNTY APPROVAL CERTIFICATE; COUNTY CLERK'S RECORDING CERTIFICATE; HIDALGO COUNTY CERTIFICATE OF PLAT APPROVAL; DESCRIPTION OF LOCATION OF SUBDIVISION WITH RESPECT TO THE ETJ OF A MUNICIPALITY; AND DESIGNATE THE PROJECT IS SITUATED; H.C.D.D. CERTIFICATION; DONNA IRR DISTRICT NO. 1 CERTIFICATION; OF APPROVAL; REVISION NOTES; H.C.H.D.
SHEET 2	WATER DISTRIBUTION AND ON-STREET SEWER FACILITY; ENGINEERING REPORT (ENGLISH AND SPANISH VERSION); INCLUDING DESCRIPTION OF WATER AND WASTE WATER AND ENGINEER'S CERTIFICATION (ENGLISH AND SPANISH VERSION); TYPICAL WATER SERVICE CONNECTION; OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION; DRAINAGE REPORT INCLUDING DESCRIPTION OF DRAINAGE AND HOW IT WILL SERVE THIS DEVELOPMENT; MAP OF TOPOGRAPHY AND DRAINAGE; AND ENGINEER'S CERTIFICATION; REVISION NOTES; CONSTRUCTION DETAILS

ALL STEEL TO BE NO. 4 BARS 12" SPACING IN BOTH DIRECTIONS.

**TYPE "A" INLET**