



# HIDALGO COUNTY PLANNING DEPARTMENT

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

T.J. Arredondo  
Director of Planning

## HIDALGO COUNTY COMMISSIONERS COURT MEETING

DATE: 06-02-2015

PROPOSED CITRUS VILLAGE SUBDIVISION, PRECINCT No. 4.

ENGINEER: QUINTANILLA, HEADLEY & ASSOCIATES DEVELOPER: LAURA COFFMAN

PRELIMINARY APPROVAL  FINAL APPROVAL  FINAL APPROVAL WITH FINANCIAL GUARANTEE  WITH VARIANCE  
NUMBER OF LOTS: 37  \*SINGLE FAMILY  \*MULTI-FAMILY  COMMERCIAL  INSTITUTIONAL

LOCATION DESCRIPTION: SOUTH OF BENITO RAMIREZ ROAD APPROXIMATELY 600 FEET EAST OF CESAR CHAVEZ ROAD.

SUBDIVISION LIES WITHIN THE:  ETJ of EDINBURG and was approved by the P & Z and City Commission of said City

DRAINAGE REPORT WAS APPROVED BY HCDD#1: ON 4-30-2015 PROPERTY LIES WITHIN FLOOD ZONE: "X" AS PER FEMA.

DRAINAGE DESIGN: STORM DRAINAGE PIPE SYSTEM AND DETENTION WILL BE ACCOMPLISHED BY WIDENING THE DRAIN DITCH ON THE SOUTH SIDE OF THE PROPOSED SUBDIVISION.

ROAD R.O.W. DEDICATION: 10 FEET DEDICATION ONTO BENITO RAMIREZ ROAD BY PLAT.

H.C.R.O.W. PRELIMINARY APPROVAL DATE: 5-13-2015 By, JOSE OCHOA, PCT. 1 R.O.W. AGENT

H.C.H.D. PRELIMINARY APPROVAL DATE: 5-19-2015 By, ELIZARDO "CHARDO" RAMOS Environmental Health Division Manager

SEWER SYSTEM:  SANITARY SEWER BY: EDINBURG LINE SIZE: 12" LOCATION: CESAR CHAVEZ ROAD.

WATER SERVICE PROVIDER: NAWSC LINE SIZE: 8" LOCATION: BENITO RAMIREZ ROAD.

H.C.O.E.C. PRELIMINARY APPROVAL DATE: 5-15-2015 : 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

PRELIMINARY APPROVAL FROM THE  
HIDALGO COUNTY COMMISSIONERS COURT ON: \_\_\_\_\_

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



CECesar CHAVEZ ROAD

FINAL ENGINEERING REPORT FOR CITRUS VILLAGE SUBDIVISION:  
WATER SUPPLY: Description and Costs.

CITRUS VILLAGE SUBDIVISION HAS BEEN PROVIDED WITH POTABLE WATER BY THE NORTH ALAMO WATER SUPPLY CORPORATION (N.A.W.S.C.). THE SUBDIVISION 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 30 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 8" DIAMETER WATERLINE RUNNING ALONG THE NORTH SIDE OF BENITO RAMIREZ ROAD.  
THE WATER SYSTEM FOR CITRUS VILLAGE SUBDIVISION CONSIST OF THREE (3) PROPOSED FIRE HYDRANTS AND AN 8" DIAMETER WATERLINE AND TWO (2) 1" DUAL SERVICE THAT TAPS INTO THE EXISTING 8" DIAMETER NAWSC WATERLINE LOCATED ON THE NORTH SIDE OF BENITO RAMIREZ ROAD.

FROM THE 8" DIAMETER WATERLINE, THERE ARE THREE (3) 3/4" DIAMETER SINGLE SERVICE LINES AND FIFTEEN (15) 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 8" WATERLINE, THE 1" DUAL SERVICE LINES AND THE METER BOXES HAVE BEEN 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 ENTIRE WATER FACILITIES HAVE BEEN 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.**  
CITRUS VILLAGE SUBDIVISION WILL BE TREATED BY WASTEWATER SERVICE FROM THE CITY OF EDINBURG. THE SUBDIVIDER AND THE CITY OF EDINBURG HAVE ENTERED INTO A CONTRACT IN WHICH THE CITY OF EDINBURG PROMISED TO TREAT WASTE WATER FOR AT LEAST 30 YEARS AND THE CITY OF EDINBURG HAS PROVIDED DOCUMENTATION TO SUFFICIENTLY ESTABLISH THE LONG TERM QUANTITY AND QUALITY OF THE AVAILABLE WASTE WATER SUPPLIES TO SERVE THE FULL DEVELOPMENT OF THE SUBDIVISION.

THE CITY OF EDINBURG HAS AN EXISTING 12" SANITARY SEWER LINE THAT RUNS ALONG THE EAST SIDE OF CESAR CHAVEZ ROAD. THE SANITARY SEWER SYSTEM FOR CITRUS VILLAGE SUBDIVISION CONSIST OF SIX (6) PROPOSED MANHOLES AND A LINE "A", 8" DIAMETER SEWER LINE THAT TIES IN TO THE EXISTING 12" SANITARY SEWER LINE, RUNS EAST A DISTANCE OF 830.00 FEET ALONG THE NORTH SIDE OF PUEBLO DE PALMAS PH16 (INSTRUMENT NUMBER 2584037) CONTINUING NORTH A DISTANCE OF 1348.27 ALONG THE WEST SIDE OF THE PROPOSED 50.0' STREET, LINE "B", 8" DIAMETER SEWER LINE, RUNS EAST A DISTANCE OF 204.50 FEET ENDING WITH A CLEAN OUT AND LINE "C", 8" DIAMETER SEWER LINE, RUNS WEST A DISTANCE OF 106.50 FEET ENDING WITH A CLEAN OUT.

FROM THE 8" LINE, THIRTY THREE (33) 4" DIAMETER SEWER SERVICE LINES RUN FOR EACH LOT, AND FOUR (4) 6" DIAMETER SEWER SERVICE LINES RUN FOR EACH COMMERCIAL LOT.

THE 8" LINE, THE TWO (2) CLEANOUTS, THE 4" AND 6" SERVICE LINE AND THE SIX (6) SANITARY SEWER MANHOLES HAVE BEEN INSTALLED, AT A TOTAL COST OF \$\_\_\_\_\_ OR \$\_\_\_\_\_ PER LOT. IN ADDITION, THE SUBDIVIDER HAS PAID N.A.W.S.C. THE SUM OF \$\_\_\_\_\_ WHICH COVERS THE \$\_\_\_\_\_ PER LOT AS STATED IN THE 30 YEAR WASTE WATER SERVICE AGREEMENT WHICH SUM REPRESENTS THE TOTAL COST OF THE SERVICES AND ACQUISITION FEES, AND ALL MEMBERSHIP OR OTHER FEES ASSOCIATED WITH CONNECTING THE INDIVIDUAL LOTS IN THE SUBDIVISION TO THE CITY OF EDINBURG. THE ENTIRE WASTE WATER FACILITIES HAVE BEEN 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.

**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 WATER AND SEWAGE FACILITIES, DISCUSSED ABOVE, ARE AS FOLLOWS:

WATER FACILITIES - THESE FACILITIES FULLY CONSTRUCTED, WITH THE INSTALLATION OF WATER METERS, HAVE COST A GRAND TOTAL OF \$\_\_\_\_\_ WHICH EQUALS TO \$\_\_\_\_\_ PER LOT.  
SEWAGE FACILITIES - THESE FACILITIES FULLY CONSTRUCTED HAVE COST A GRAND TOTAL OF \$\_\_\_\_\_ WHICH EQUALS TO \$\_\_\_\_\_ PER LOT.

**REPORTE FINAL DE INGENIERIA PARA CITRUS VILLAGE SUBDIVISION:**  
PROVISION DE AGUA: Descripción y Costos.

CITRUS VILLAGE SUBDIVISION HA SIDO PREVISTA 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 PROVEER DE AGUA SUFFICIENTE A LA SUBDIVISION POR UN PERIODO DE 30 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 SERVIRA PARA EL FUTURO DESARROLLO DE LA SUBDIVISION. N.A.W.S.C. CUENTA CON UNA LINEA DE AGUA EXISTENTE DE 8" QUE PASA AL COSTADO DEL LADO NORTE DEL LA CALLE BENITO RAMIREZ.

EL SISTEMA DE AGUA PARA CITRUS VILLAGE SUBDIVISION, CONSISTE DE TRES (3) PROPUUESTOS HIDRANTES DE AGUA Y UNA LINEA DE 8" DE DIAMETRO Y DOS (2) DE 1" PULGADA DE DOBLE-CONDUCTO DE AGUA QUE SE CONECTA CON LA LINEA DE AGUA EXISTENTE DE 8" LOCALIZADA EN EL LADO NORTE DE LA CALLE BENITO RAMIREZ, DEL CONDUCTO DE AGUA DE 8 PULGADAS SE PRODUCEN TRES (3) DE 3/4" DE PULGADA PARA CADA LOTE Y QUINCE (15) DOBLE-CONDUCTOS DE AGUA DE 3/4" DE PULGADA DE DIAMETRO. ESTOS CONDUCTOS SE SEPARAN PARA PRODUCIR DOS CONDUCTOS DE AGUA DE 3/4" DE PULGADA DE DIAMETRO PARA CADA LOTE.

LOS CONDUCTOS DE AGUA DE 3/4" DE PULGADA Y LOS DOBLE-CONDUCTOS DE AGUA DE 1 PULGADA DE DIAMETRO Y LOS MEDIDORES MECANICOS DE AGUA A UN COSTO TOTAL DE \$\_\_\_\_\_ O US\$\_\_\_\_\_ POR LOTE. EL DUEÑO DE LA SUBDIVISION TAMBIEN LE HA PAGADO A LA COMPAÑIA N.A.W.S.C. UN COSTO TOTAL DE \$\_\_\_\_\_ O US\$\_\_\_\_\_ POR LOTE, EL CUAL 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. LO INSTALARA SIN ALGUN GASTO AL DUEÑO. 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.

**SERVICIO DE DRENAJE: Descripción y Costos.**  
LA SUBDIVISION CITRUS VILLAGE SUBDIVISION RECIBIRA SU PROVISION DE DRENAJE SANITARIO DE LA CIUDAD DE EDINBURG. EL DUEÑO DE LA SUBDIVISION Y LA CIUDAD DE EDINBURG, HAN FIRMADO UN CONTRATO POR EL CUAL LA SUBDIVISION RECIBIRA SU PROVISION DE DRENAJE SANITARIO POR LOS PROXIMOS 30 AÑOS. LA CIUDAD DE EDINBURG, HA PRESENTADO DOCUMENTACION PARA DEMOSTRAR A LARGO PLAZO LA CANTIDAD Y CALIDAD DE DRENAJE SANITARIO ACCESIBLE PARA SERVIR EL FUTURO DESARROLLO DE LA SUBDIVISION.

LA CIUDAD DE EDINBURG, CUENTA CON UNA LINEA DE DRENAJE DE 12" PULGADAS DE DIAMETRO QUE CORRE AL COSTADO DEL LADO ESTE DE LA CALLE CESAR CHAVEZ. SERCAS DE LA INTERSECCION AVENIDA MILAGRO Y LA CALLE CESAR CHAVEZ.

EL SISTEMA DE DRENAJE SANITARIO PARA CITRUS VILLAGE SUBDIVISION CONSISTE CON SEIS (6) PROPUUESTAS ALICANTARILLAS Y CON UNA LINEA DE DRENAJE SANITARIO LINEA "A" DE 8" PULGADAS DE DIAMETRO QUE SE CONECTA CON LA LINEA EXISTENTE DE 12" PULGADAS DE DIAMETRO Y CORRE ASIA EL ESTE A UNA DISTANCIA DE 830.00 PIES AL COSTADO DEL LADO NORTE DE LA SUBDIVISION PUEBLO DE PALMAS FACE 16 (NUMERO DE INSTRUMENTO 2584037) CONTINUANDO ASIA EL NORTE A UN DISTANCIA DE 1348.27 PIES A LO LARGO DEL LADO OESTE DE LA PROPUUESTA CALLE 50.0'. LINEA "B", 8" DE DIAMETRO CORRE ASIA EL ESTE A UNA DISTANCIA DE 204.50 PIES TERMINADO CON UNA ENTRADA DE LIMPIADOR DE ALICANTARILLAS. LINEA "C", 8" PULGADAS DE DIAMETRO CORRE ASIA EL LADO OESTE A UNA DISTANCIA DE 106.50 PIES TERMINADO CON UNA ENTRADA DE LIMPIADOR DE ALICANTARILLAS.

DE ESTAS LINEAS DE DRENAJE SANITARIO DE 8 PULGADAS TREINTA Y TRES (33) LINEAS DE SERVICIO DE 4 PULGADAS SERAN EXTENDIDAS HA CADA LOTE Y CUATRO (4) DE 6 PULGADAS SERAN EXTENDIDAS HA CADA LOTE.

LA LINEAS DE 8 PULGADAS, LA LINEA 4 Y 6 PULGADAS Y LAS ALICANTARILLAS HAN SIDO INSTALADAS, HA UN COSTO TOTAL DE US\$\_\_\_\_\_ O US\$\_\_\_\_\_ POR LOTE. EL DUEÑO DE LA SUBDIVISION TAMBIEN LE HA PAGADO A N.A.W.S.C. UN COSTO TOTAL DE US\$\_\_\_\_\_ O US\$\_\_\_\_\_ 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.

**CERTIFICATION:**  
CON MI FIRMA, CERTIFICO QUE LOS SERVICIOS Y SISTEMAS DE AGUA Y DE DRENAJE, DESCRITOS EN ESTE DOCUMENTO CUMPLEN CON LAS MODELS 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 DRENAJE SON:

AGUA: EL SISTEMA/SERVICIO DE AGUA SERA INSTALADO Y COMPLETAMENTE CONSTRUIMO MENOS EL MEDIDOR MECANICO DE AGUA QUE COSTARA UN TOTAL DE \$\_\_\_\_\_ O US\$\_\_\_\_\_ POR LOTE.  
DRENAJE: SE ESTIMA QUE EL DRENAJE COSTARA UN COSTO TOTAL DE \$\_\_\_\_\_ O US\$\_\_\_\_\_ POR LOTE.

**SUBDIVIDER CERTIFICATION:**

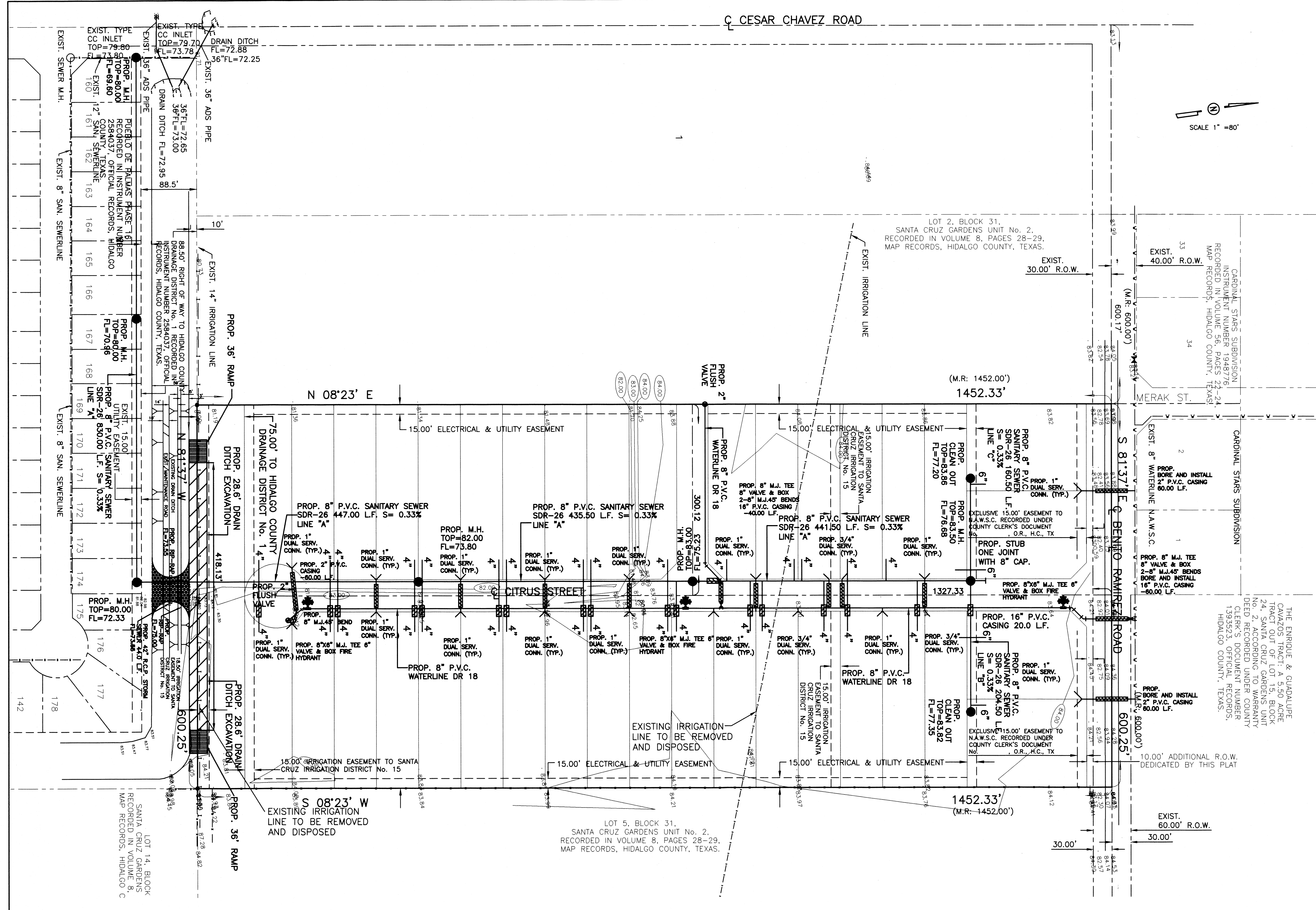
1. - BY COMPLETING THE IMPROVEMENTS DESCRIBED ON THE PLAT, SUBDIVIDER WILL COMPLY WITH MINIMUM STATE STANDARDS AND THAT (a) WATER QUALITY AND CONNECTIONS INCLUDING WATER METERS TO THE LOTS MEET SUCH STANDARDS AND (b) SEWER CONNECTIONS TO THE LOTS OR SEPTIC TANKS MEET OR WILL MEET SUCH STANDARDS AND WILL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

**SUBDIVIDER STATEMENT:**

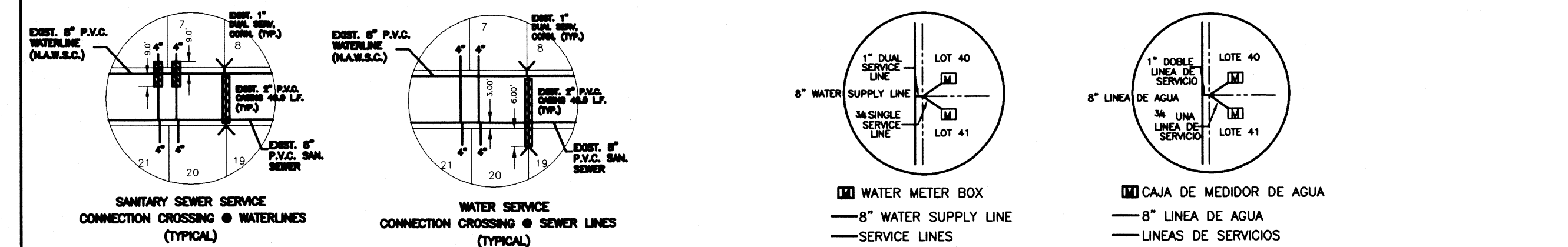
1. - I (WE), LAURA COFFMAN VICE-PRESIDENT SUBDIVIDER (S) OF CITRUS VILLAGE SUBDIVISION HEREBY CERTIFY SEWER FEES, AS APPLICABLE, HAVE BEEN PAID AND COPIES OF RECEIPTS ARE ON FILE WITH THE HIDALGO COUNTY HEALTH DEPARTMENT; THAT AN ADEQUATE DRINKING WATER SOURCE IS IMMEDIATELY AVAILABLE TO EACH LOT OF THE PROPOSED LOT A LA THE TIME OF PURCHASE; THAT EACH PURCHASER OF A LOT HAS ADEQUATE WATER TO COMPLY WITH THE REGULATIONS AND THE LAWS TO THE STATE AS REQUIRED BY STATE AND COUNTY REGULATIONS.

TOP FRUIT INC.  
LAURA COFFMAN, VICE-PRESIDENT.  
P.O. BOX 720883  
MCCALLEN, TEXAS 78504

DATE



MAP OF WATER DISTRIBUTION SYSTEM/ MAPA DE DISTRIBUCION DE AGUA &  
MAP OF SANITARY SEWER SYSTEM/ MAPA DE SISTEMA DE DRENAJE



**COST ESTIMATE**

PAVING IMPROVEMENTS:	\$
DRAINAGE IMPROVEMENTS:	\$
WATER DISTRIBUTION:	\$
SANITARY SEWER:	\$

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

STATE OF TEXAS  
COUNTY OF HIDALGO  
BEFORE ME, the undersigned authority, on this day personally appeared LAURA COFFMAN VICE-PRESIDENT 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 stated.

Given under my hand and seal of office this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

LIJA A. QUINTANILLA  
Notary Public, State of Texas  
My Commission Expires July 23, 2016

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

SHEET NO.	FILENAME: F:\DATA\SUBDIVISION\VIC\CITRUS VILLAGE\WATERSEWER\PAWE
1 OF 2	DATE PREPARED: 05-07-15 PREPARED BY: JULIS OYAS CHECKED BY: APPROVED BY:
	DATE REVISED: REVISED BY: CHECKED BY: APPROVED BY:

**QUINTANILLA, HEADLEY AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS • LAND SURVEYORS  
124 E. STUBBS ST. EDINBURG, TEXAS 78539  
ENGINEERING REGISTRATION NUMBER F-1315 SURVEYING REGISTRATION NUMBER 100411-00  
PHONE 956-381-6480 FAX 956-381-0527  
OFFICE@QHAENGINEERING.COM

**REVISION NOTES**

No.	Sheet	REVISION	Date	Approved

**DRAINAGE REPORT  
FOR  
CITRUS VILLAGE SUBDIVISION**

Citrus Village Subdivision is a 20.01 acre tract being all of Lots 3 and 4, Block 31, Santa Cruz Gardens Unit No. 2, Hidalgo County, Texas, according to the map or plat thereof recorded in Volume 8, Pages 28 and 29, map records, Hidalgo County, Texas, and according to warranty deed recorded in instrument number 2541874 and 25418874, official records, Hidalgo County, Texas. This subdivision is located on the south side of Benito Ramirez Road 600.17 feet east of Cesar Chavez Road. The proposed subdivision consists of 31 lots.

The tract is Zone "X" as per FEMA Flood Insurance Rate Map: Community Panel No. 480334 0325 D, and dated June 6, 2000 with LOMR dated May 17, 2001.

This soil is fine sandy loam. This soil is well drained. Permeability is moderate. Plasticity Index has a range of 9-20. See attached Soil Survey of Hidalgo County, Texas tables.

Presently, the site has very minimal runoff on a southerly direction. The existing runoff for the proposed subdivision is Q= 4.92 cubic feet per second based on a 10-year storm.

After development the runoff will be Q= 16.42 cubic feet per second for an increase of Q= 11.50 cubic feet per second. Detention will be 40,269.19 cubic feet (0.92 acre feet) and will be accomplished by excavating the existing H.C.D.D. No.1 Drain Ditch on the south side of the subdivision. The street runoff will be collected by a storm sewer system consisting of 18" and 24" pipes and Type "A" inlets that will discharge into the existing Drain Ditch. Additional 75.0 feet right of way for the Drain Ditch is being dedicated to the Hidalgo County Drainage District No.1 by the plat.

Drainage calculations are attached.

Alfonso Quintanilla, P.E.  
April 17, 2015

**CERTIFICATION:**

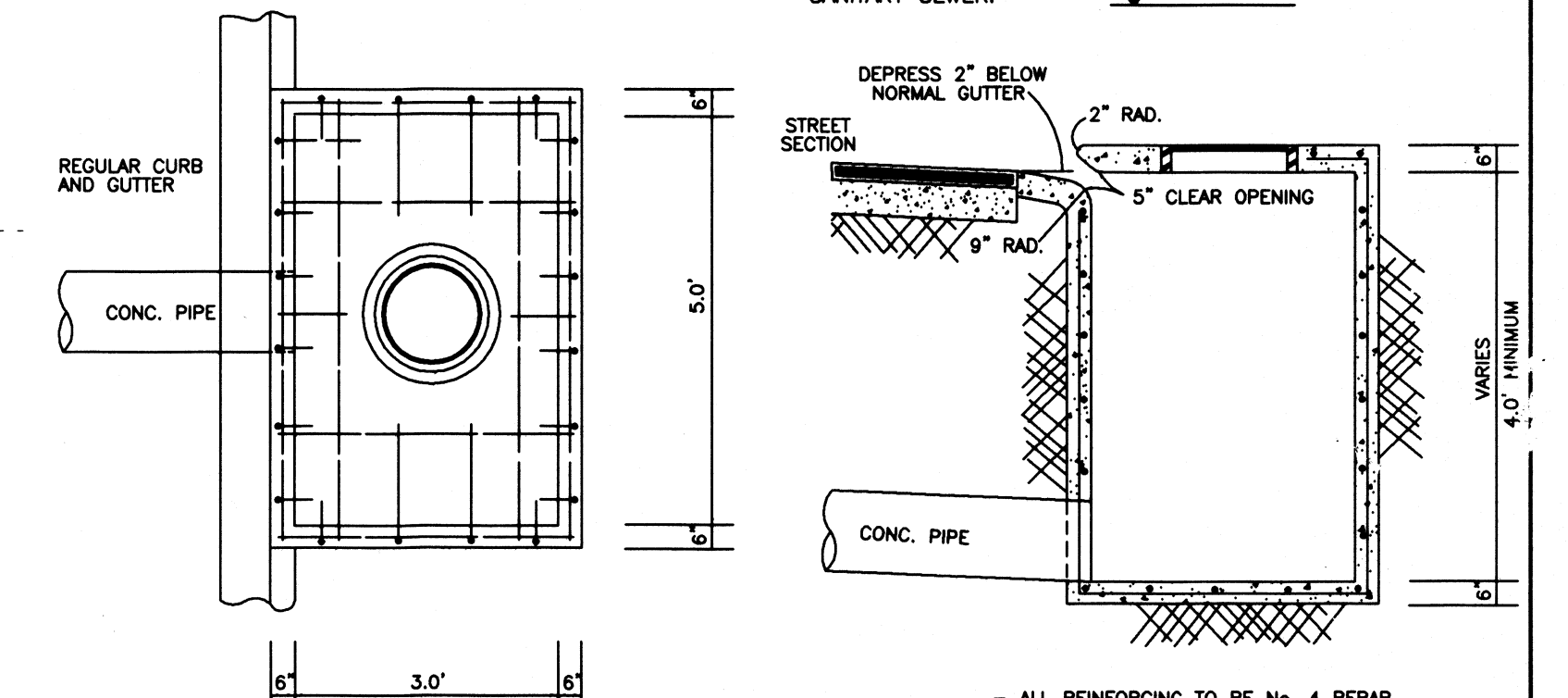
BY MY SIGNATURE BELOW, I CERTIFY THAT THE 100-YEAR FLOODPLAIN FOR ZONE "X" (AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN) AS DESCRIBED IN COMMUNITY PANEL NUMBER 480334 0325 D DATED JUNE 06, 2000 (LOMR MAY 17, 2001)



*Alfonso Quintanilla, P.E.*  
ALFONSO QUINTANILLA  
P.E. No. 95534  
DATE 5-12-15

**COST ESTIMATE**

- PAVING IMPROVEMENTS: \$
- DRAINAGE IMPROVEMENTS: \$
- WATER DISTRIBUTION: \$
- SANITARY SEWER: \$

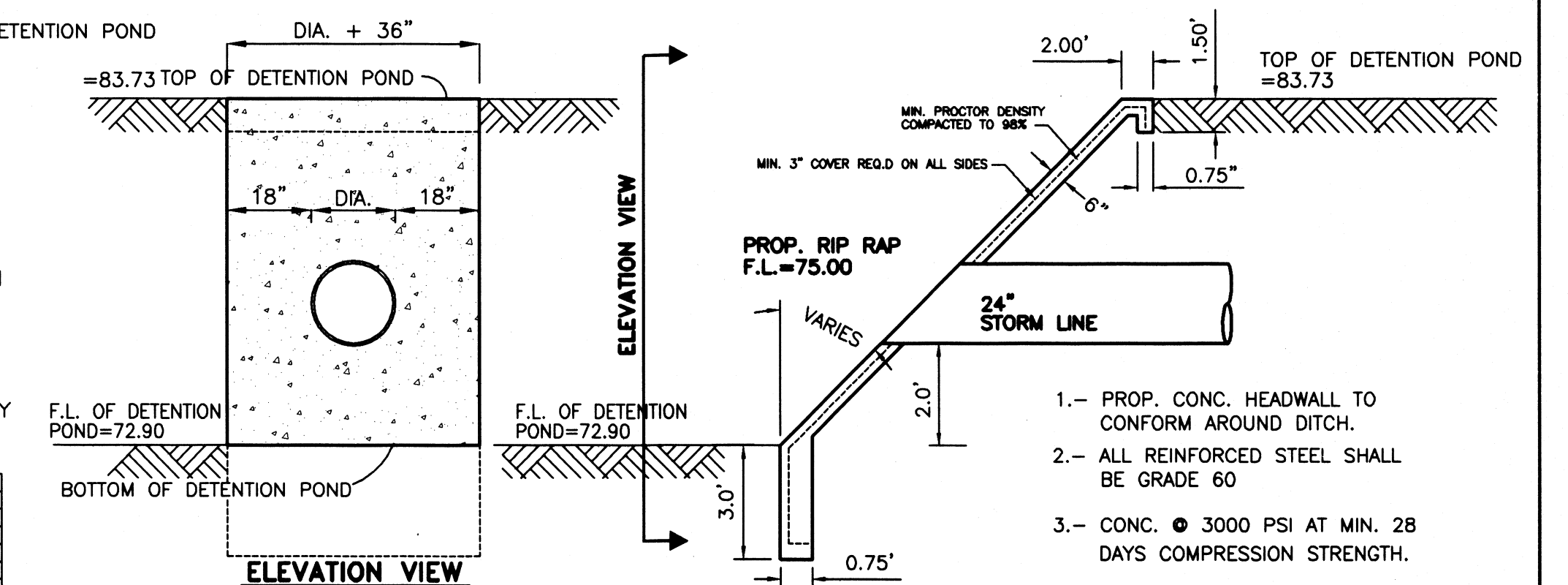


**TYPE "A" INLET DETAIL**

SCALE: N.T.S.

**STREET SECTION**

NOT TO SCALE

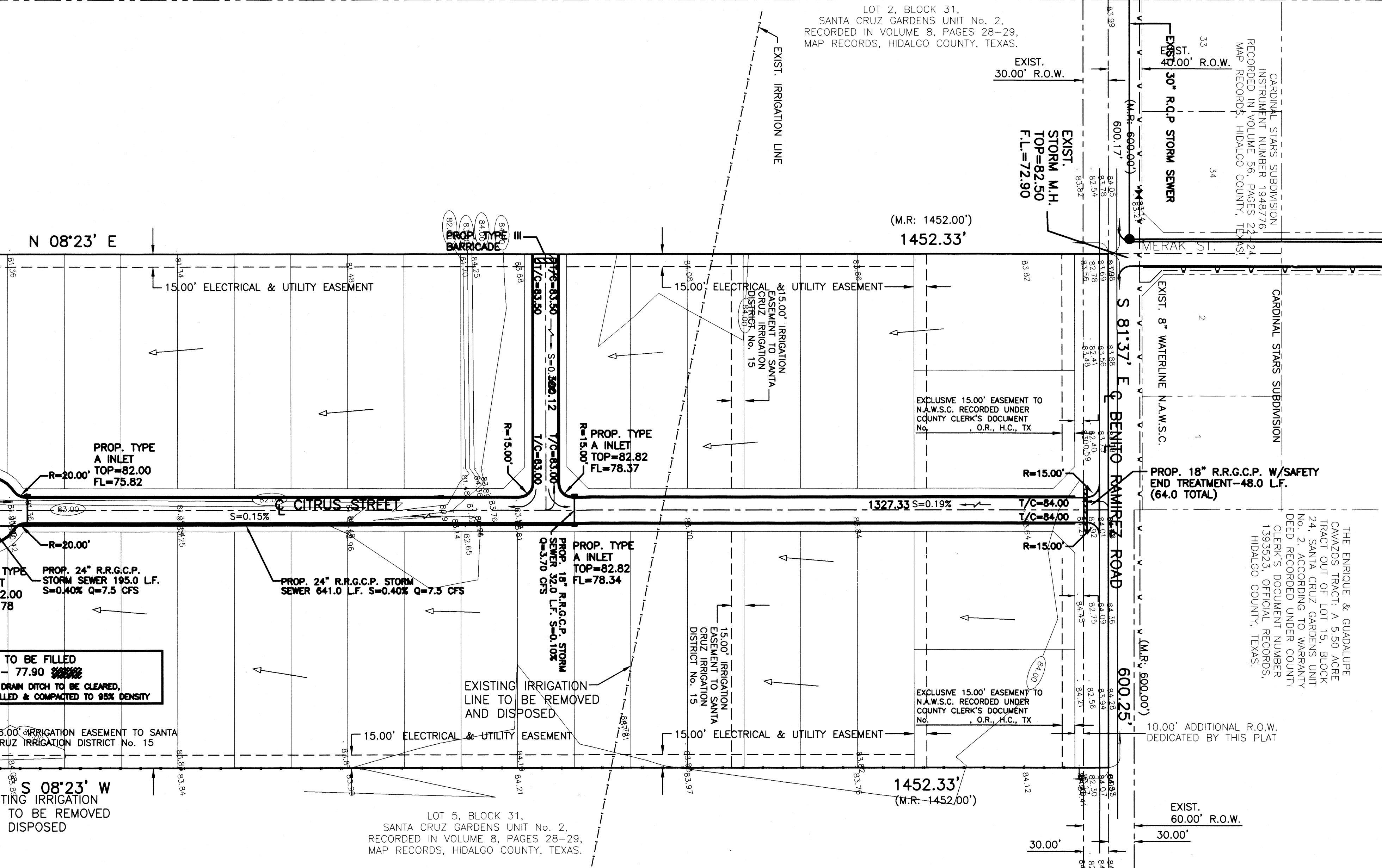
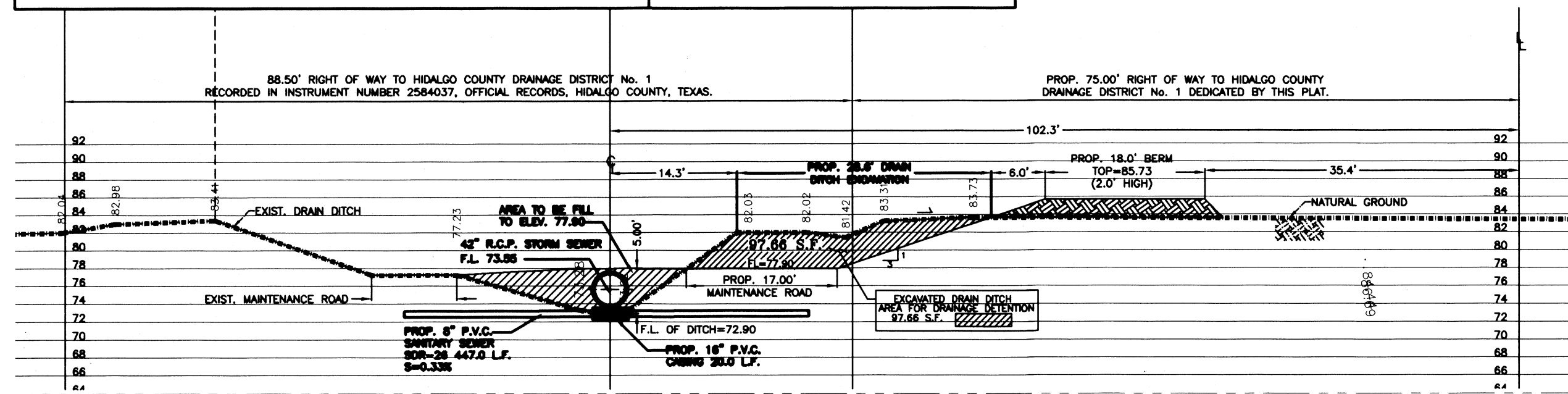


**STORM DISCHARGE STRUCTURE**

NOT TO SCALE

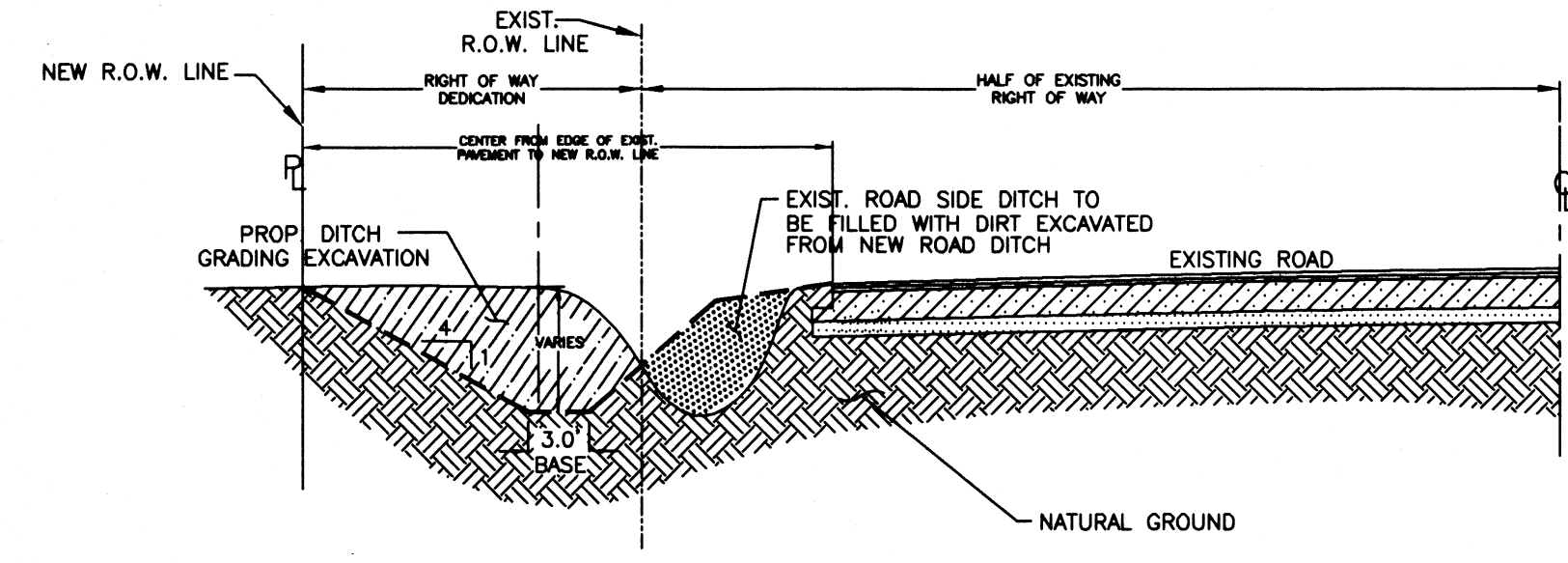
**CROSS SECTION "A-A"**

SCALE: HORIZONTAL 1" = 10'  
VERTICAL 1" = 10'



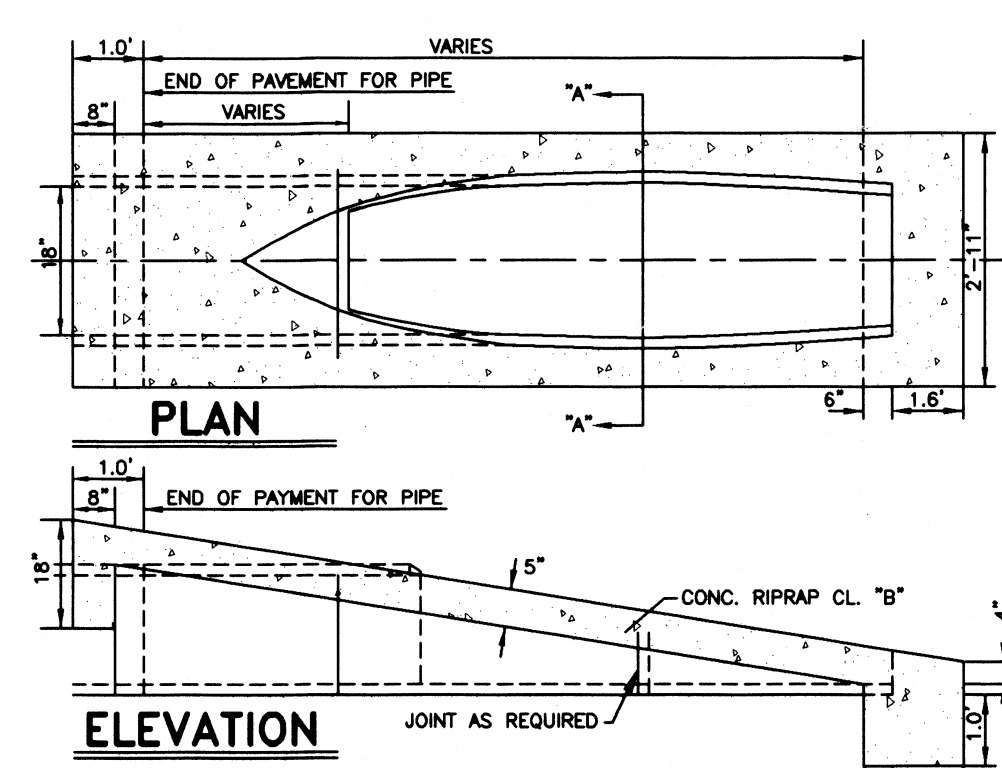
**MAP OF TOPOGRAPHY AND DRAINAGE / MAPA DE TOPOGRAFIA Y DRENAJE**

FLOW DIRECTION OF WATER



**ROAD SIDE DITCH DETAIL**

NOT TO SCALE



**SAFETY END TREATMENT**

NOT TO SCALE



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

No.	Sheet	REVISION	Date	Approved
1	2 OF 2	FILED NAME: F:\DATA\SUBDIVISIONS\EDMUNDO\HIDALGO\BAY\BPLAT		
		DATE PREPARED: AUG 18, 2011	PREPARED BY: JULIUS OVIZ	CHECKED BY: _____
		DATE REVISED: _____	REVISED BY: _____	CHECKED BY: _____