



HIDALGO COUNTY PLANNING DEPARTMENT

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

T.J. Arredondo, CFM
Director of Planning

HIDALGO COUNTY COMMISSIONERS COURT MEETING

DATE: 1-05-2016

PROPOSED EDUARDO'S NO. 13 SUBDIVISION, PRECINCT No. 3.

ENGINEER: Quintanilla, Headley & Associates DEVELOPER: Aniceto Izaguirre

PRELIMINARY APPROVAL FINAL APPROVAL FINAL APPROVAL WITH FINANCIAL GUARANTEE WITH VARIANCE

NUMBER OF LOTS: 72 *SINGLE FAMILY *MULTI-FAMILY COMMERCIAL INSTITUTIONAL

LOCATION DESCRIPTION: East of Trospers Road approximately 1,000 feet south of Mile 4 North Road.

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

DRAINAGE REPORT WAS APPROVED BY HCDD#1: ON 10-29-15 PROPERTY LIES WITHIN FLOOD ZONE: "C" AS PER FEMA.

DRAINAGE DESIGN: Storm Drainage System discharging to a regional detention pond.

ROAD R.O.W. DEDICATION: 20 feet onto Trospers Raod.

H.C.R.O.W. PRELIMINARY APPROVAL DATE: 11-12-15 By, Victor Gallardo, Pct. 3 R.O.W. AGENT

H.C.H.D. PRELIMINARY APPROVAL DATE: 11-12-15 By, Elizardo "Chardo" Ramos Environmental Health Division Manager

SEWER SYSTEM: SANITARY SEWER BY: Mission LINE SIZE: 8" LOCATION: S.H. 107.

WATER SERVICE PROVIDER: SWSC LINE SIZE: 6" LOCATION: Trospers Road

H.C.O.E.C. PRELIMINARY APPROVAL DATE: 12-9-15 : 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 Mission.

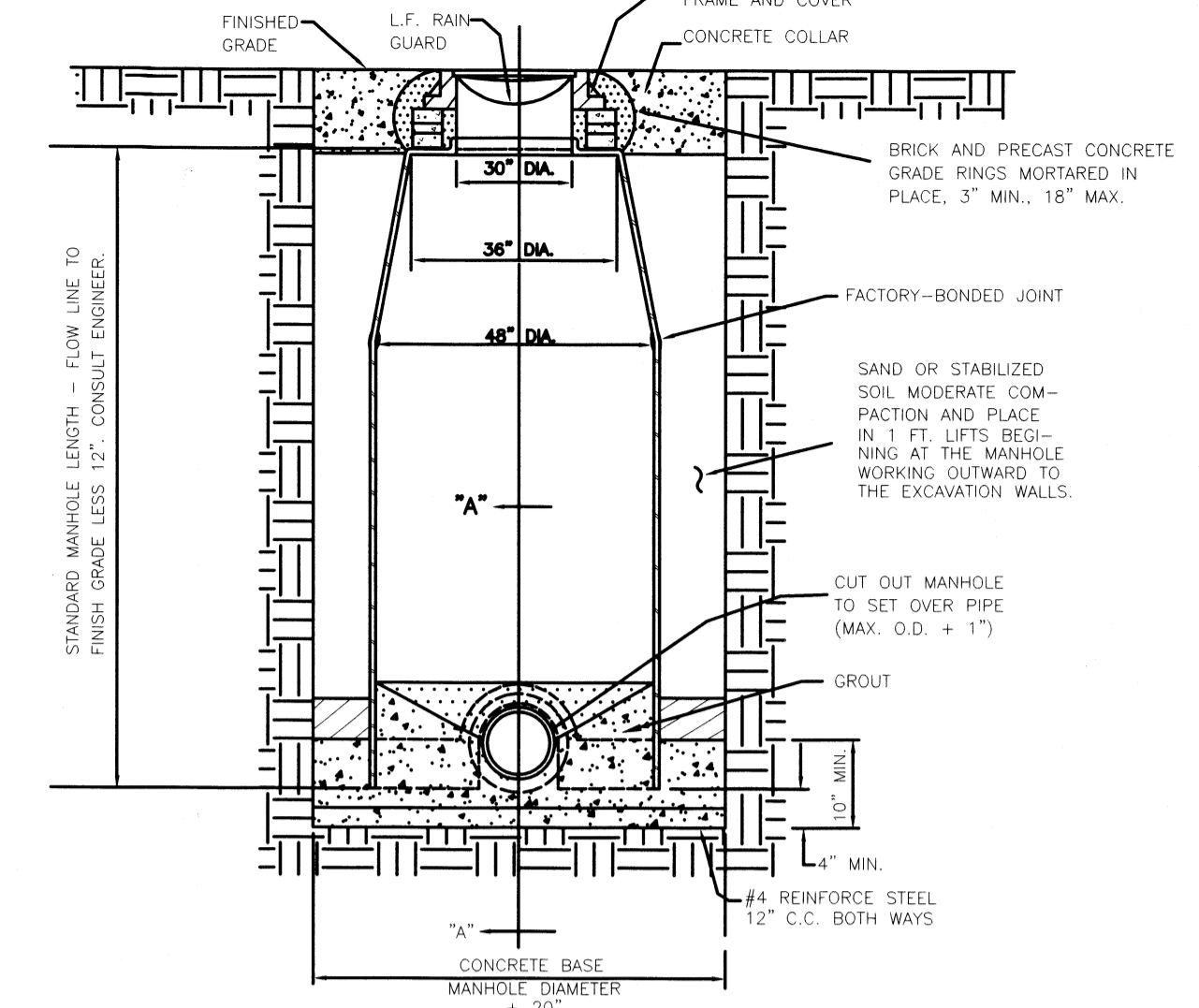
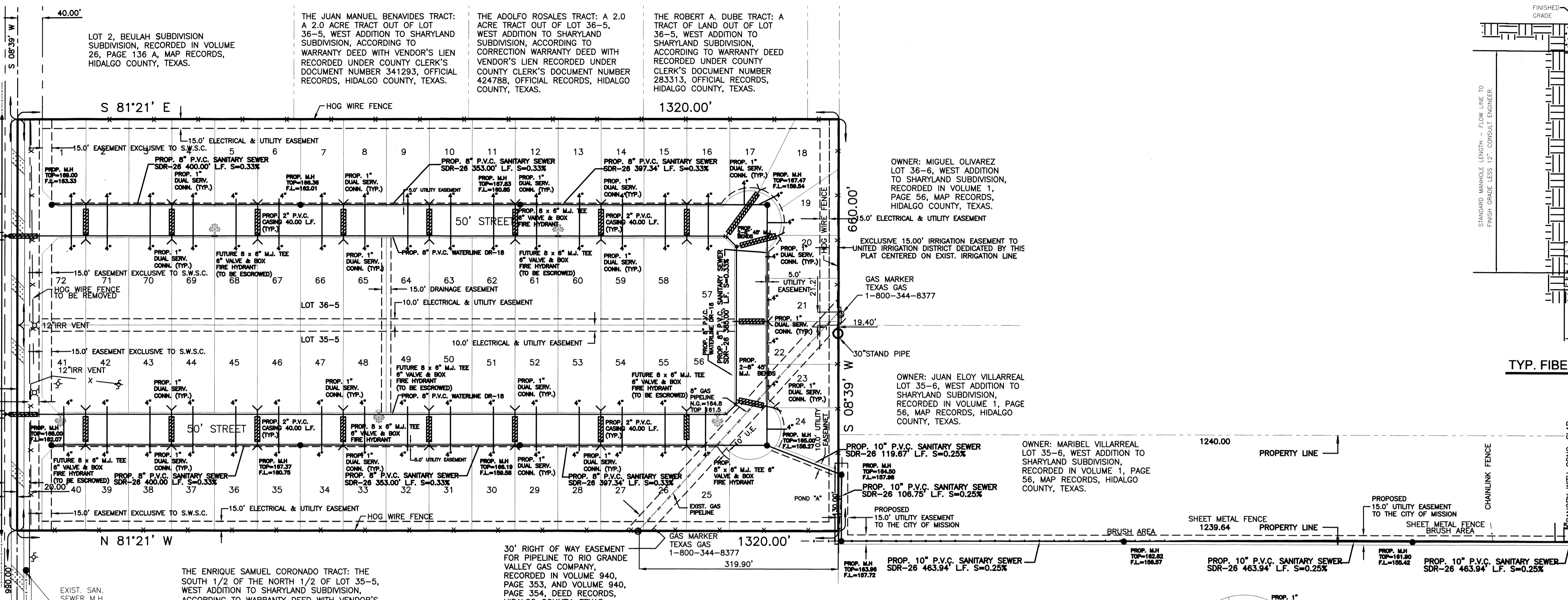
Final Approval subject to recommendations other departments

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 AND SEWER SYSTEM/ MAPA DE DISTRIBUCION DE AGUA Y SISTEMA DE DRENAJE

SCALE 1" = 100'



EDUARDO'S SUBDIVISION No 13

A 20.00 ACRE TRACT OF LAND BEING THE NORTH 10.00 ACRES OF LOT 35-5 AND THE SOUTH 10.00 ACRES OF LOT 36-5, WEST ADDITION TO SHARYLAND SUBDIVISION, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGE 56, MAP RECORDS, HIDALGO COUNTY, TEXAS, AND ACCORDING TO WARRANTY DEED RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 2633724, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

FINAL ENGINEERING REPORT FOR EDUARDO'S SUBDIVISION No 13: WATER SUPPLY: Description and Costs.

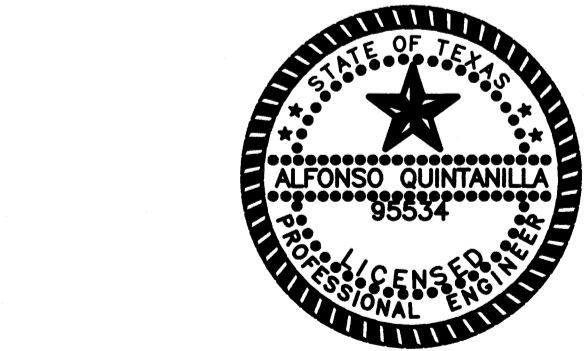
EDUARDO'S SUBDIVISION No 13 HAS BEEN PROVIDED WITH POTABLE WATER BY THE SHARYLAND WATER SUPPLY CORPORATION. THE SUBDIVIDER AND THE SHARYLAND WATER SUPPLY CORPORATION HAVE ENTERED INTO A CONTRACT IN WHICH SHARYLAND WATER SUPPLY CORPORATION HAS AGREED TO PROVIDE SUFFICIENT WATER TO THE SUBDIVISION FOR AT LEAST 30 YEARS AND SHARYLAND WATER SUPPLY CORPORATION 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. SHARYLAND WATER SUPPLY CORPORATION HAS AN EXISTING 8" DIAMETER WATERLINE THAT WILL BE REPLACED 800 FEET WITH AN 8" WATER LINE RUNNING ALONG THE WEST SIDE OF TROSPER ROAD. THE WATER SYSTEM FOR EDUARDO'S SUBDIVISION No 13 CONSISTS OF AN 8" DIAMETER WATERLINE THAT TAPS INTO THE PROPOSED 8" DIAMETER WATERLINE REPLACED LOCATED ON TROSPER ROAD. FROM THE 8" DIAMETER WATERLINE, THERE ARE THIRTY-SIX (36) 2" 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 TO SHARYLAND WATER SUPPLY CORPORATION 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 SHARYLAND WATER SUPPLY CORPORATION. THE SUBDIVIDER HAS ESCROWED FIVE (5) FIRE HYDRANTS AT A UNIT COST OF \$ FOR A TOTAL COST OF \$ THE ENTIRE WATER FACILITIES HAVE BEEN APPROVED AND ACCEPTED BY SHARYLAND WATER SUPPLY CORPORATION AND SAID DISTRIBUTION SYSTEM IS OPERABLE AS OF THE DATE OF THE RECORDING OF THE PLAT.

SEWAGE FACILITIES: Description and Costs. EDUARDO'S SUBDIVISION No 13 WILL BE TREATED BY WASTEWATER SERVICE FROM THE CITY OF MISSION. THE SUBDIVIDER AND THE CITY OF MISSION HAVE ENTERED INTO A CONTRACT IN WHICH THE CITY OF MISSION HAS PROMISED TO TREAT THE SUFFICIENT WASTEWATER FOR AT LEAST 30 YEARS AND THE CITY OF MISSION HAS PROVIDED DOCUMENTATION TO SUFFICIENTLY ESTABLISH THE LONG TERM QUANTITY AND QUALITY OF THE AVAILABLE WASTEWATER SUPPLIES TO SERVE THE FULL DEVELOPMENT OF THIS SUBDIVISION. THE CITY OF MISSION HAS AN EXISTING 8" DIAMETER SEWER LINE RUNNING NORTH ALONG THE EAST SIDE OF STATE HIGHWAY 107. THE WASTEWATER SYSTEM FOR EDUARDO'S SUBDIVISION No 13 CONSISTS OF A PROPOSED 8" AND 10" DIAMETER SEWER LINES. THE 10" DIAMETER SEWER LINE CONNECTS TO AN EXISTING MANHOLE LOCATED IN THE EAST SIDE OF S.H. 107 (NORTH CONWAY AVE). THE PROPOSED 10" DIAMETER SEWER LINE RUNS NORTH A DISTANCE OF 602.34 FEET ALONG THE EAST SIDE OF S.H. 107 (NORTH CONWAY AVE), THENCE WEST A DISTANCE OF 1381.82 FEET ALONG THE SOUTH LINE OF MARBEL VILLARREAL TRACT LOT 35-5, WEST ADDITION TO SHARYLAND SUBDIVISION, THENCE NORTH A DISTANCE OF 106.75 FEET ALONG THE WEST LINE OF MARBEL VILLARREAL TRACT, THENCE NORTHWEST A DISTANCE OF 119.67 FEET ENDING THE 10" DIAMETER SEWER LINE THEN THE 8" DIAMETER SEWER LINE RUNS NORTH A DISTANCE OF 385 FEET AND WEST A DISTANCE OF 1160.37 FEET ALONG PROPOSED STREET RIGHT-OF-WAY.

THE 8" AND 10" LINE, 4" SERVICE LINES AND FOURTEEN (14) SANITARY SEWER MANHOLES HAVE BEEN INSTALLED, AT A TOTAL COST OF \$ OR \$ PER LOT. IN ADDITION, THE SUBDIVIDER HAS PAID THE CITY OF MISSION 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 SHARYLAND WATER SUPPLY CORPORATION. THE SUBDIVIDER HAS ESCROWED FIVE (5) FIRE HYDRANTS AT A UNIT COST OF \$ FOR A TOTAL COST OF \$ THE ENTIRE WATER FACILITIES HAVE BEEN APPROVED AND ACCEPTED BY SHARYLAND WATER SUPPLY CORPORATION 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 ARE FULLY CONSTRUCTED AT A COST OF \$	OR \$	ADDITIONALLY, WATER TAP FEES WERE PAID TO THE CITY OF EDINBURG AT \$	PER LOT OR \$
SEWAGE FACILITIES - THESE FACILITIES WERE FULLY CONSTRUCTED AT A COST OF \$	OR \$	PER LOT. ADDITIONALLY SANITARY SEWER TAP FEES WERE PAID TO THE CITY OF EDINBURG AT \$	PER LOT OR \$



Alfonso Quintanilla
P.E. No. 95534
DATE 12-9-15

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P.E. No. 95534
DATE 12-9-15

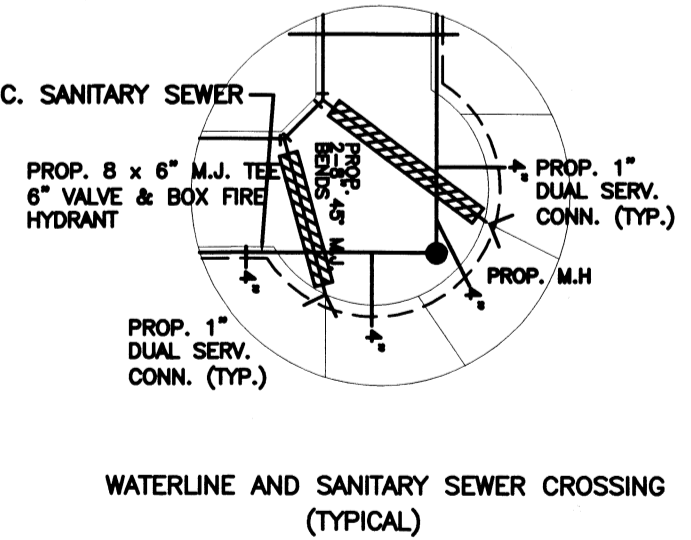
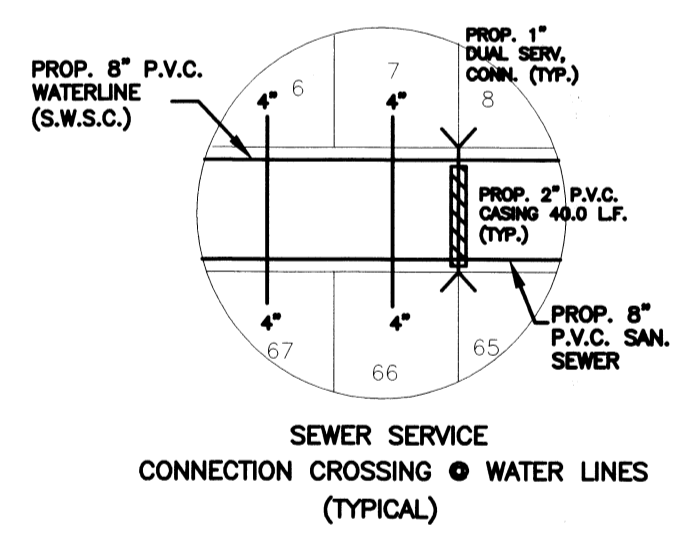
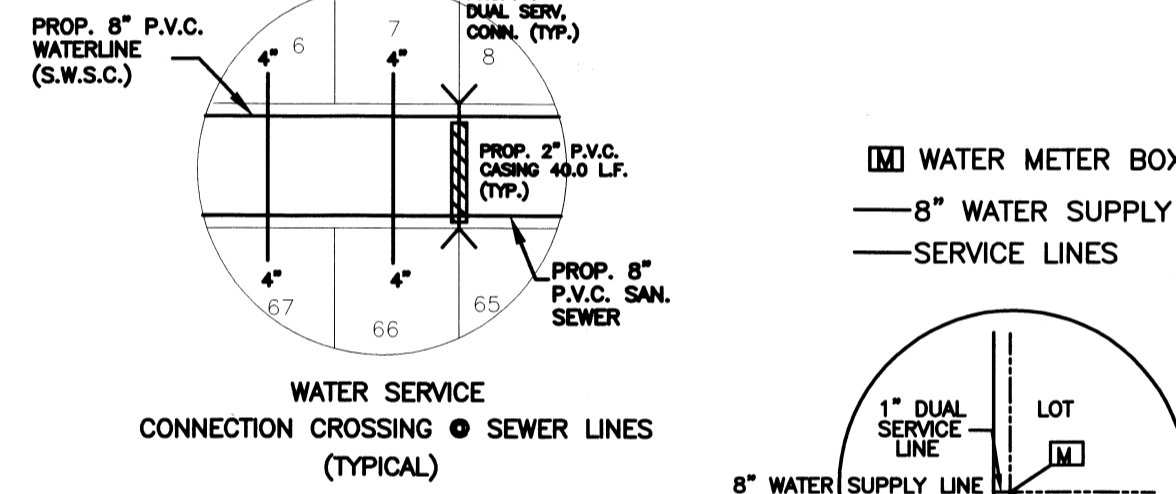
SUBDIVIDER CERTIFICATION: I, BY COMPLETING THE IMPROVEMENTS DESCRIBED ON THE PLAT, SUBDIVIDER WILL COMPLY WITH MINIMUM STATE STANDARDS AND THAT (a) WATER QUALITY AND CONNECTIONS INCLUDING WATER METERS TO THE LOTS MEET SUCH STANDARDS AND (b) SEWER CONNECTIONS TO THE LOTS OR SEPTIC TANKS MEET OR WILL MEET SUCH STANDARDS AND WILL BE BY THE SELLER AS REQUIRED BY SECTION 7.25.12 OF THE COUNTY REGULATIONS.

SUBDIVIDER STATEMENT: I, (WE), ANICETO IZAGUIRRE (S) OF EDUARDO'S SUBDIVISION No 13 HEREBY CERTIFY SEWER FEES, AS APPLICABLE, HAVE BEEN PAID AND COPIES OF RECEIPTS ARE ON FILE WITH THE HIDALGO COUNTY PLANNING DEPARTMENT THAT AN ADEQUATE DRINKING WATER SOURCE IS MANIFESTLY AVAILABLE TO EACH LOT OF THE TYPE, 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 SECTION 7.4.1.4. (b) OF THE COUNTY REGULATIONS.

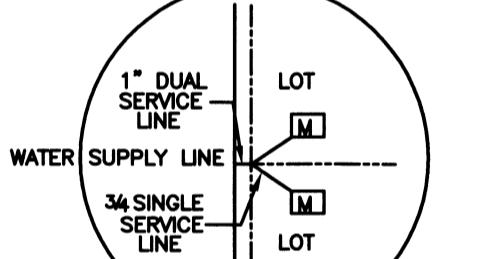
ANICETO IZAGUIRRE
500 SOLAR DRIVE
MISSION TEXAS 78574
DATE

STATE OF TEXAS
COUNTY OF HIDALGO
BEFORE ME, the undersigned authority, on this day personally appeared ANICETO IZAGUIRRE 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____.

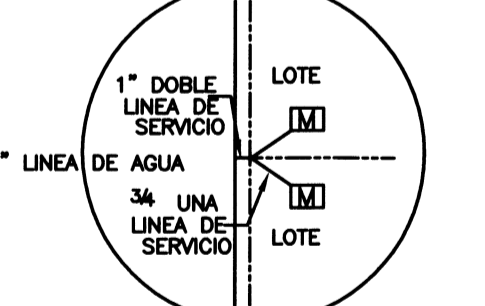
LILIA A. QUINTANILLA
Notary Public
July 23, 2016
LILIA A. QUINTANILLA - NOTARY PUBLIC



WATER METER BOX
8" WATER SUPPLY LINE
SERVICE LINES



CAJA DE MEDIDOR DE AGUA
8" LINEA DE AGUA
LINEAS DE SERVICIOS



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

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

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

SHEET NO. 2 OF 3	FILENAME: P:\DATA\SUBDIVISIONS\EDUARDO'S SUBD. No 13\PLAT
DATE PREPARED: 11-05-15	PREPARED BY: JULIS OZ
DATE REVISION: _____	REVISION BY: _____
DATE CHECKED: _____	CHECKED BY: _____
DATE APPROVED: _____	APPROVED BY: _____

MAP OF TOPOGRAPHY AND DRAINAGE / MAPA DE TOPOGRAFIA Y DRENAJE

EDUARDO'S SUBDIVISION No 13

A 20.00 ACRE TRACT OF LAND BEING THE NORTH 10.00 ACRES OF LOT 35-5 AND THE SOUTH 10.00 ACRES OF LOT 36-5, WEST ADDITION TO SHARYLAND SUBDIVISION, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGE 56, MAP RECORDS, HIDALGO COUNTY, TEXAS, AND ACCORDING TO WARRANTY DEED RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 2633724, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS,

DRAINAGE REPORT FOR: EDUARDO'S SUBDIVISION No 13 BY ALFONSO QUINTANILLA, P.E.

Eduardo's Subdivision No. 13 is a 20.00 acre Tract of land being the north 10.00 acres of Lot 35-5 and the south 10.00 acres of Lot 36-5 West Addition to Sharyland Subdivision, Hidalgo County, Texas, according to the map or plat thereof recorded in Volume 1, Page 56, map records, Hidalgo County, Texas, and according to warranty deed recorded under County Clerk's Document Number 2633724, official records, Hidalgo County, Texas. This subdivision is located within the extraterritorial jurisdiction of the City of Mission on the east side of Trooper Road and approximately 990' south of Mile 4 North Road. The proposed subdivision will consist of 72 residential lots. The site is currently open land.

The tract is Zone "C" as per FEMA Flood Insurance Rate Map, Community Panel No. 480334 0400 C, dated on November 16, 1982.

This soil is fine sandy loam, sandy clay loam and clay loam. This soil is well drained. Permeability is moderate. Plasticity Index has a range of NP-23. See attached Soil Survey of Hidalgo County, Texas tables.

Presently, the site runoff flows overland in an easterly direction. The existing runoff for is Q=7.89 cubic feet per second based on a 10-year storm.

After development the runoff will be Q=36.72 cubic feet per second based on a 50-year storm for an increase of for an increase of Q=28.83 cubic feet per second. Detention will be 11,734.00 cubic feet (2,565 ac-ft) in accordance with the County's drainage requirements. Excess runoff and runoff created by this new development will be collected by a storm sewer system consisting of type "A" curb inlets and 24" drain pipes. This new system will connect to proposed Regional Detention Pond being dedicated as Pond "A" to the Hidalgo County Drainage District No.1 and to be located at the southeast corner of the subdivision. The pond will be sized to hold the detention based on a 50 year storm event. The detention pond will be constructed in accordance with the requirements of the Hidalgo County Drainage District No.1.

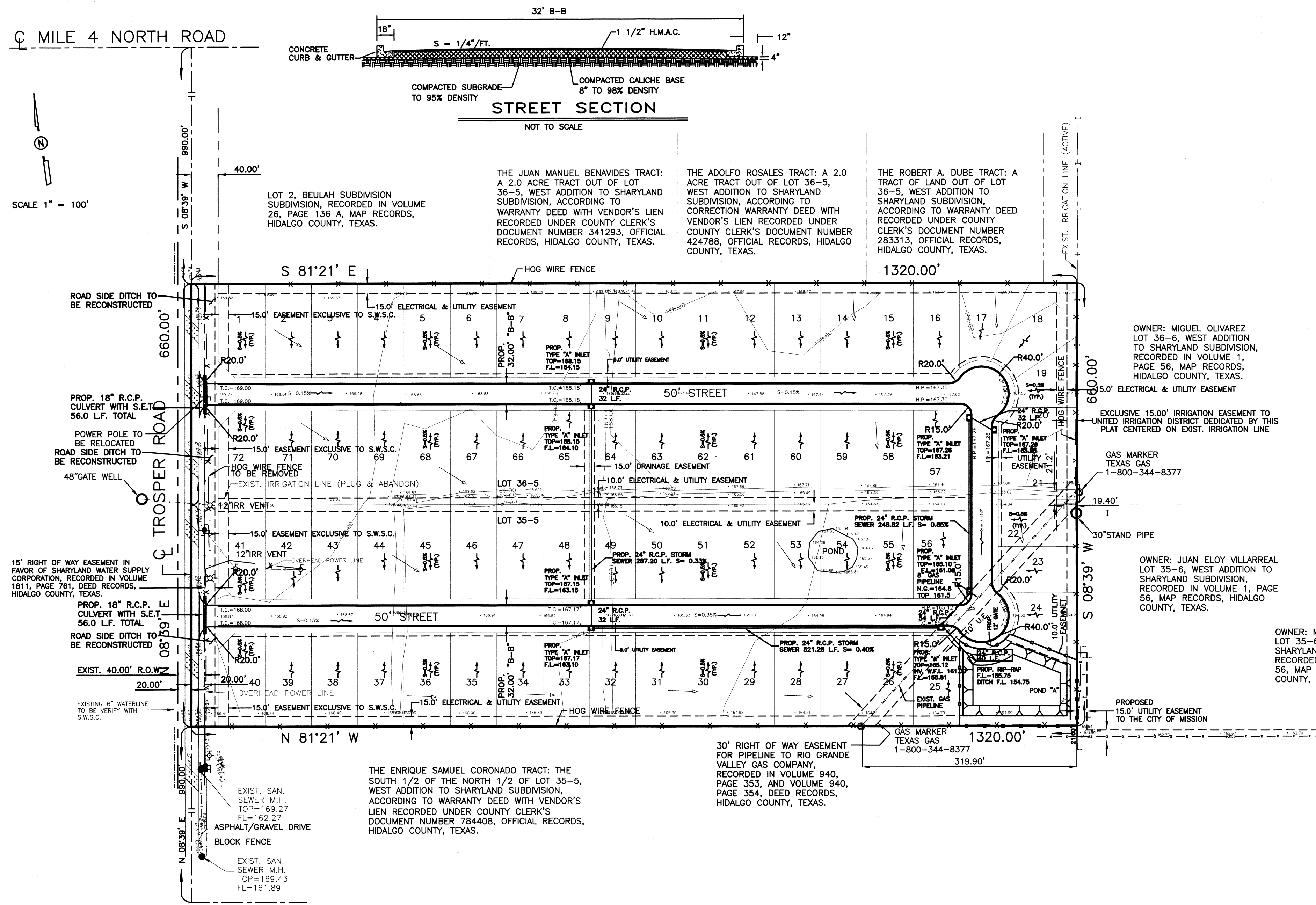
THE COUNTY DRAINAGE DITCH FLOWS NORTH THEN EAST. THE DRAINAGE DITCH CARRIES WATER EASTWARD WHERE IT FLIES INTO LAGUNA MADRE. THE 10 EAR FLOOD IS CONTAINED WITH THE RIGHT-OF-WAY OF THE STREET AND WITHIN THE DRAINAGE SWALES OF THE SUBDIVISION AS SHOWN BELOW. A RESTRICTIVE COVENANT (SET OUT ON SHEET 1 UNDER 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 OF THE RUNOFF.

CERTIFICATION:

BY MY SIGNATURE BELOW, I CERTIFY THAT THE 100-YEAR FLOODPLAIN FOR ZONE "C" (AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN) AS DESCRIBED IN COMMUNITY PANEL NUMBER 480338 0400 C, DATED ON NOVEMBER 16, 1982

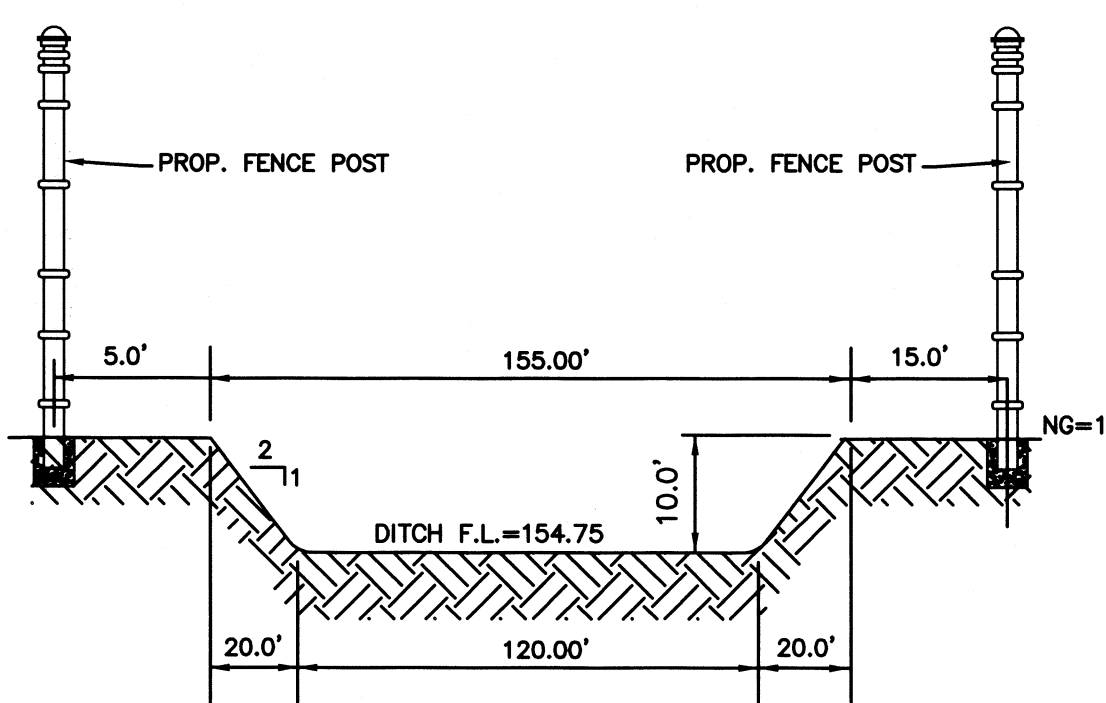
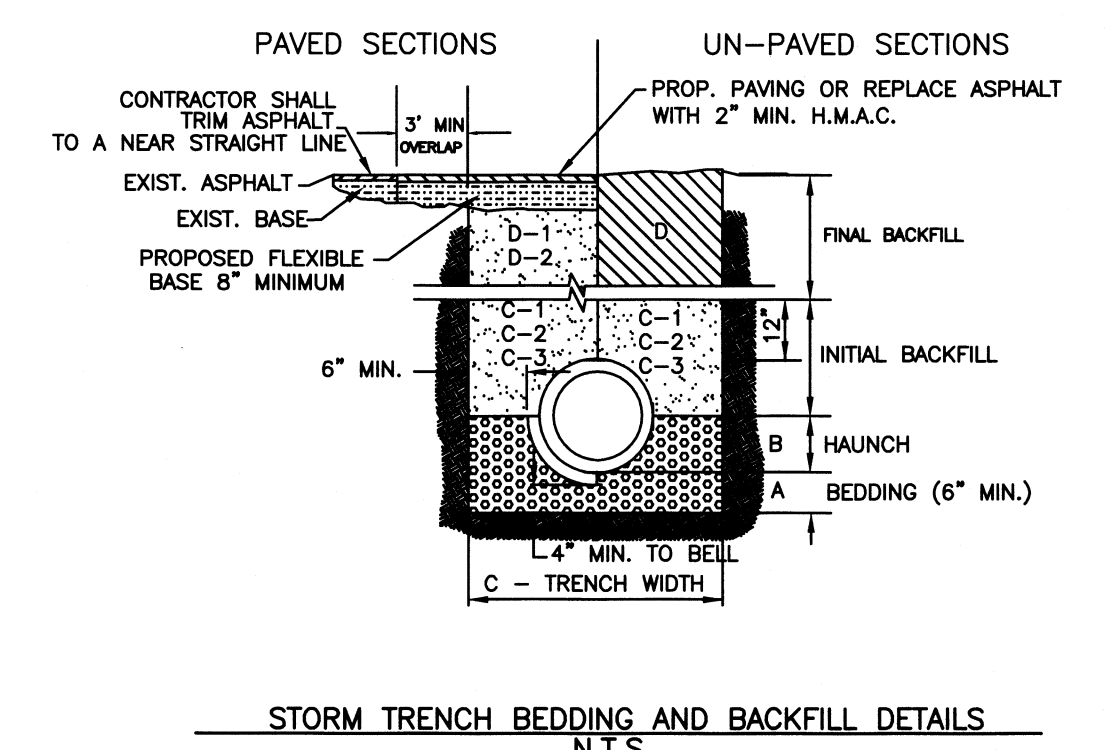


Alfonso P.E.
 ALFONSO QUINTANILLA
 P.E. No. 95534
 12-9-15
 DATE



- A. BEDDING FOR RCP CLASS III, HIGH PERFORMANCE POLYPROPYLENE OR CORRUGATED PVC STORM DRAIN PIPE - SAND GRAVEL MIX BEDDING PLACED BEFORE PIPE IS LAID UP TO FLOW OF PIPE (MIN. THICKNESS = 6") - PIT RUN GRAVEL 3/4" MAX. SIZE.
- B. HAUNCH FOR RCP CLASS III, HIGH PERFORMANCE POLYPROPYLENE OR CORRUGATED PVC STORM DRAIN PIPE - SHALL BE CLASS I OR CLASS II (ASTM D2321) BACKFILL MATERIAL COMPACTED TO 90% SPD, 8" LIFTS, MECHANICAL COMPACTION.
- C. TRENCH WIDTH - SHALL BE BELL O.D. X 1.5 = 12".
- C-1 INITIAL BACKFILL FOR RCP CLASS III STORM DRAIN PIPE ON CITY STREETS, PARKING AREA, DRIVEWAYS, COUNTY ROAD & UNPAVED AREAS - SHALL BE SOIL TYPE A1, A2, A3, (ASHTO M145) COMPACTED TO 90% SPD, 8" LIFTS, MECHANICAL COMPACTION.
- C-2 INITIAL BACKFILL FOR RCP CLASS III STORM DRAIN PIPE ON STATE MAINTAINED ROADWAYS - COMPACTED SAND/CEMENT STABILIZED BACKFILL WITH 7% PORTLAND CEMENT, COMPACTED AS PER ASTM D-4253 AND ASTM D-698.
- C-3 INITIAL BACKFILL FOR HIGH PERFORMANCE POLYPROPYLENE OR CORRUGATED PVC STORM DRAIN PIPE - SHALL BE CLASS I OR CLASS II (ASTM D2321) BACKFILL MATERIAL COMPACTED TO 90% SPD, 8" LIFTS, MECHANICAL COMPACTION.
- D-1 FINAL BACKFILL FOR RCP CLASS III, HIGH PERFORMANCE POLYPROPYLENE OR CORRUGATED PVC STORM DRAIN PIPE ON CITY STREETS, PARKING AREA, DRIVEWAYS, COUNTY ROAD & UNPAVED AREAS - SHALL BE SOIL TYPE A1, A2, A3, (ASHTO M145) COMPACTED TO 90% SPD, 8" LIFTS, MECHANICAL COMPACTION.
- D-2 FINAL BACKFILL FOR RCP CLASS III, HIGH PERFORMANCE POLYPROPYLENE OR CORRUGATED PVC STORM DRAIN PIPE ON STATE MAINTAINED ROADWAYS - COMPACTED SAND/CEMENT STABILIZED BACKFILL WITH 7% PORTLAND CEMENT, COMPACTED AS PER ASTM D-4253 AND ASTM D-698.
- D. FINAL BACKFILL - COMPACTED TO 90% STANDARD PROCTOR DENSITY (12" LIFT, MECHANICAL COMPACTION). FOUNDATION PREPARATION (WELLPOINTS, GRAVEL OR CEMENT STABILIZATION, OR APPROVED SUBSTITUTE) SHALL BE REQUIRED WHEN TRENCH BOTTOM IS UNSTABLE. BACKFILLING AT STRUCTURES SHALL BE PLACED IN UNIFORM LAYERS, MOISTENED AS REQUIRED TO APPROXIMATE OPTIMUM MOISTURE CONTENT, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY (USE RELATIVE DENSITY TEST PER ASTM D-4253 & ASTM D-698). THE THICKNESS OF EACH LOOSE LAYER SHALL NOT EXCEED 8". STRUCTURE BACKFILL MATERIAL SHALL BE SAND, APPROVED SITE SOIL, OR OTHER APPROVED SUBSTITUTE.

NOTE: MAXIMUM COVER SHALL BE IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.



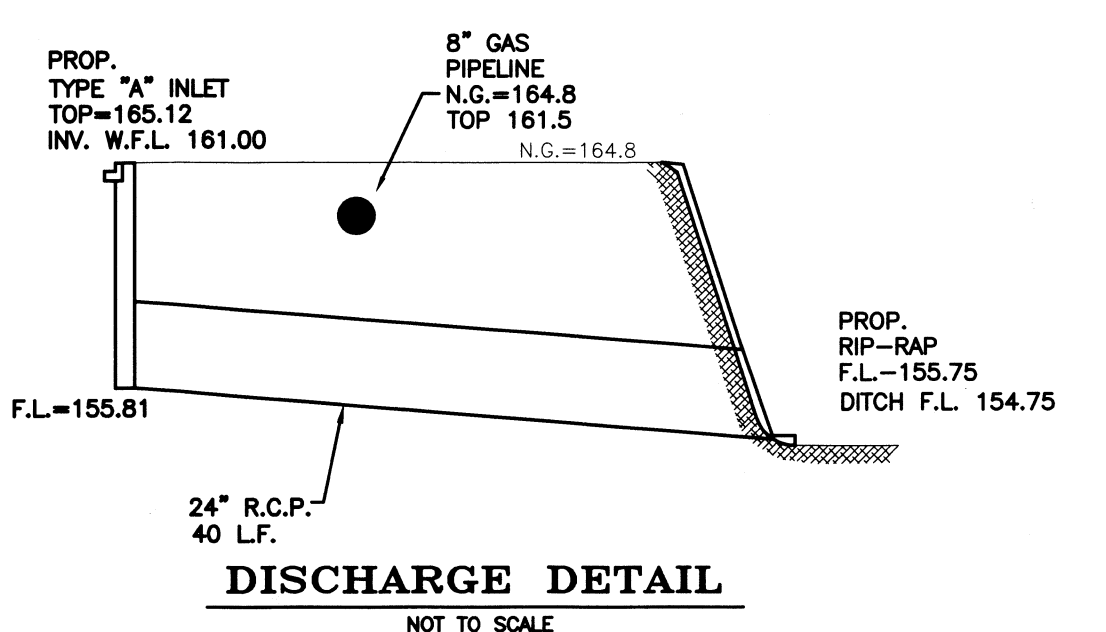
DETENTION AREA DETAIL

NOT TO SCALE

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

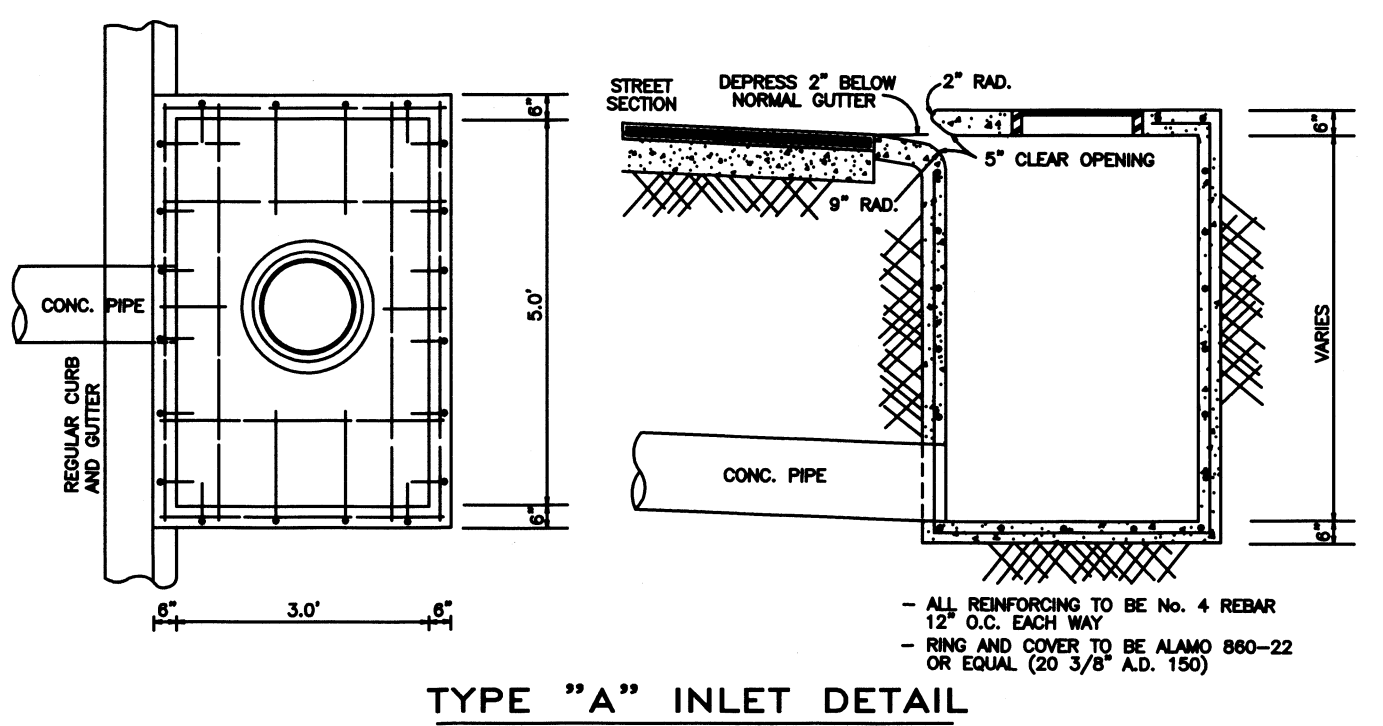
ON: _____ AT _____ AM/PM
 INSTRUMENT NUMBER _____
 OF THE MAP RECORDS OF HIDALGO COUNTY, TEXAS
 BY: _____ DEPUTY

- LEGEND**
- = FIRE HYDRANT
 - = GUY WIRE
 - ⊕ = POWER POLE
 - ⊙ = MAILBOX
 - ⊠ = WATER METER
 - ⊞ = WATER VALVE
 - = SIGN
 - ⊙ = SERVICE POLE
 - ⊠ = TEL BOX
 - ⊞ = ELECT BOX
 - ⊙ = GAS METER
 - ⊞ = GAS MARKER
 - ⊠ = GAS VALVE
 - ⊞ = TRANSMISSION POLE
 - ⊞ = TRAFFIC CONTROL BOX
 - ⊞ = GAS SERVICE



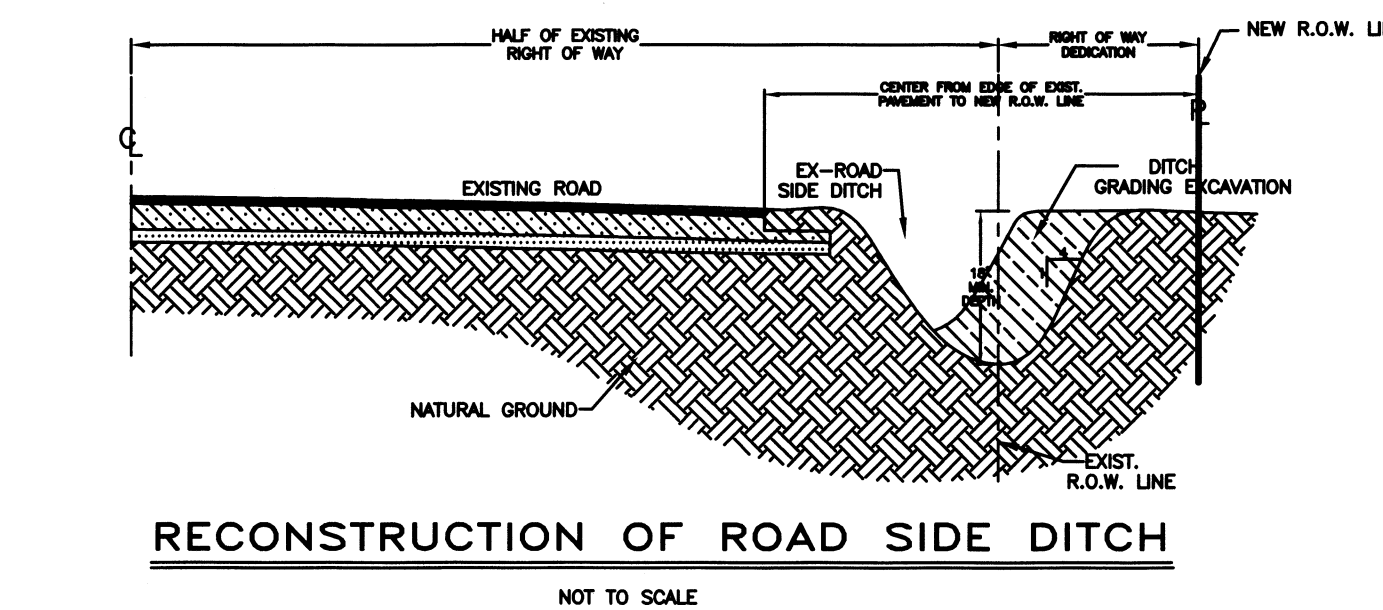
DISCHARGE DETAIL

NOT TO SCALE



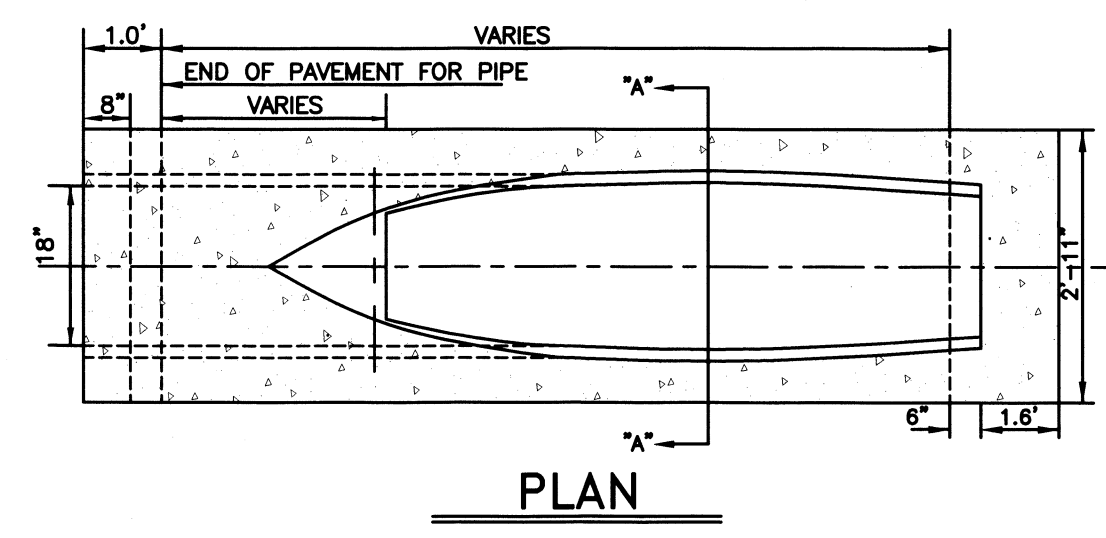
TYPE "A" INLET DETAIL

NOT TO SCALE



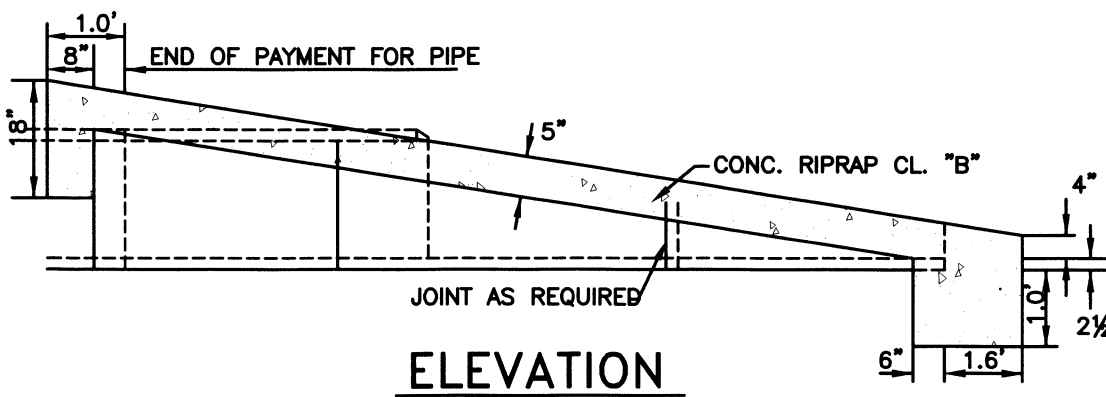
RECONSTRUCTION OF ROAD SIDE DITCH

NOT TO SCALE



SAFETY END TREATMENT

NOT TO SCALE



ELEVATION

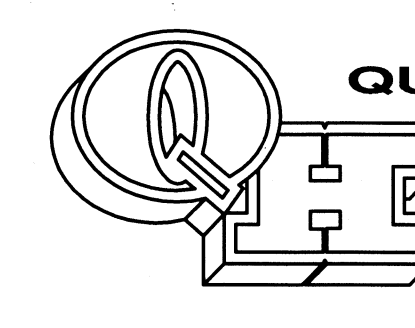
NOT TO SCALE

COST ESTIMATE

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

REVISION NOTES

No.	Sheet	REVISION	Date	Approved



QUINTANILLA, HEADLEY AND ASSOCIATES, INC.
 CONSULTING ENGINEERS
 124 E. STUBBS ST.
 EDINBURG, TEXAS 78539
 ENGINEERING REGISTRATION NUMBER F-1315
 SURVEYING REGISTRATION NUMBER 100411-00

LAND SURVEYORS
 PHONE 956-381-6480
 FAX 956-381-0527
 OFFICE@QHAENGINEERING.COM

SHEET NO. 3 OF 3

FILENAME: F:\DATA\SURVEYS\MISSION\EDUARDO'S SUBD. No 13\PLATS	DATE PREPARED	PREPARED BY	CHECKED BY	APPROVED BY
11-05-15	JULIS OZES			
DATE REVISED	REVISED BY	CHECKED BY	APPROVED BY	