



HIDALGO COUNTY PLANNING DEPARTMENT

T.J. Arredondo, CFM
Director of Planning

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

HIDALGO COUNTY COMMISSIONERS COURT MEETING

DATE: 1-26-2021

PROPOSED LA HOMA CROSSING SUBDIVISION PHASE II PRECINCT No. 3.

ENGINEER: QUINTANILLA HEADLEY & ASSOCIATES DEVELOPER: RED ROCK REAL ESTATE DEVELOPMENT GROUP, LTD.

PRELIMINARY APPROVAL FINAL APPROVAL FINAL APPROVAL WITH FINANCIAL GUARANTEE WITH VARIANCE

NUMBER OF LOTS: 19 *SINGLE FAMILY *MULTI-FAMILY 8 COMMERCIAL INDUSTRIAL

ESTIMATED NUMBER OF STREETLIGHTS: 8

FILLING STATIONS: 3

LOCATION DESCRIPTION: EAST OF LA HOMA ROAD APPROXIMATELY 640 FEET SOUTH FROM MILE 7 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 9-04-2020 PROPERTY LIES WITHIN FLOOD ZONE: "X" (UNSHADED) AS PER FEMA.

DRAINAGE DESIGN: DRAINAGE WILL BE PROVIDED BY STORM SEWER SYSTEM THAT WILL DISCHARGE TO DETENTION AREAS AND FURTHER DISCHARGING INTO TXDOT SYSTEM.

ROAD R.O.W. DEDICATION: 20.00 FEET ONTO LA HOMA ROAD.

H.C.R.O.W. PRELIMINARY APPROVAL DATE: 1-04-2021 BY, VICTOR GALLARDO, PCT. 3 R.O.W. AGENT

H.C.H.D. PRELIMINARY APPROVAL DATE: 1-04-2021 BY, ENVIRONMENTAL HEALTH DIVISION

SEWER SYSTEM: OSSF'S

WATER SERVICE PROVIDER: SWSC EXISTING LINE SIZE: 8" LOCATION: MILE 7 NORTH ROAD & 8" ON COYOTE DRIVE.

H.C.E.O.C. PRELIMINARY APPROVAL DATE: 1-04-2021; 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.

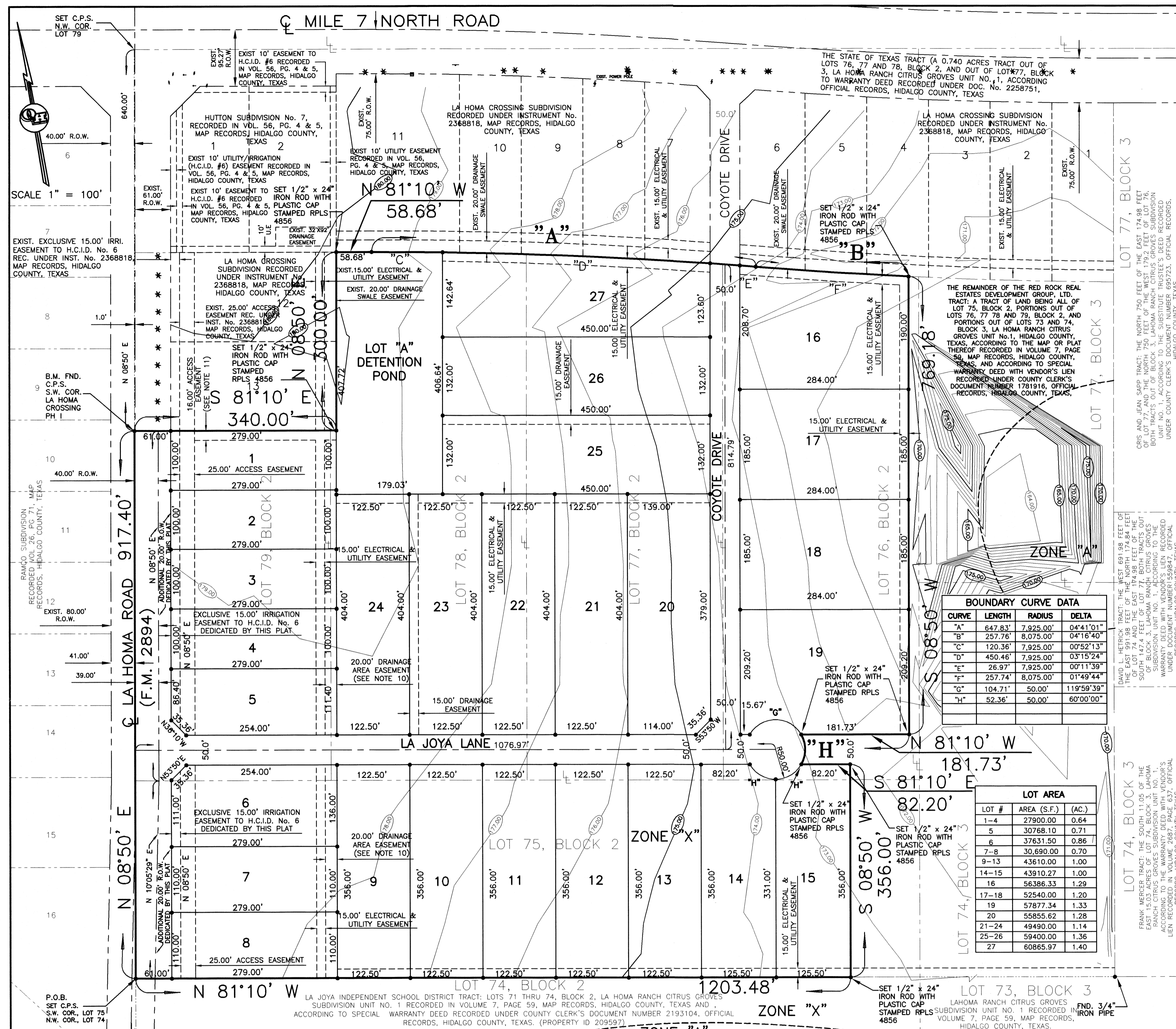
PRELIMINARY APPROVAL FROM THE
HIDALGO COUNTY COMMISSIONERS COURT ON: _____

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

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.

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**SUBDIVISION PLAT OF:
LA HOMA CROSSING SUBDIVISION PHASE II**

A 32.73 ACRE TRACT OF LAND BEING PORTIONS OUT OF LOTS 75, 76, 77, 78 AND 79, BLOCK 2, LA HOMA RANCH CITRUS GROVES UNIT NO. 1, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 7, PAGE 59, MAP RECORDS, HIDALGO COUNTY, TEXAS, AND ACCORDING TO SPECIAL WARRANTY DEED WITH VENDOR'S LIEN RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 1781916, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

METES AND BOUNDS

A 32.73 ACRE TRACT OF LAND BEING ALL OF LOT 75, PORTIONS OF LOTS 76, 77, 78 AND 79, BLOCK 2, LA HOMA RANCH CITRUS GROVES UNIT NO. 1, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 7, PAGE 59, MAP RECORDS, HIDALGO COUNTY, TEXAS, AND ACCORDING TO SPECIAL WARRANTY DEED WITH VENDOR'S LIEN RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 1781916, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS, REFERENCE TO WHICH IS HERE MADE FOR ALL PURPOSES AND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT A COTTON PICKER SPINDLE SET WITHIN THE RIGHT OF WAY OF LA HOMA ROAD (F.M. 2894) FOR THE SOUTHWEST CORNER OF LOT 75 AND THE SOUTHWEST CORNER OF THIS TRACT.

THENCE, N 08°50' E, ALONG THE WEST LINE OF LOTS 75 AND 78 AND WITHIN THE RIGHT OF WAY OF LA HOMA ROAD (F.M. 2894), A DISTANCE OF 817.40 FEET TO A COTTON PICKER SPINDLE FOUND FOR THE SOUTHWEST CORNER OF LA HOMA CROSSING SUBDIVISION PHASE I (RECORDED IN INSTRUMENT NUMBER 2368818, MAP RECORDS, HIDALGO COUNTY, TEXAS) AND AN INTERIOR CORNER OF THIS TRACT.

THENCE, S 81°10' E, ALONG THE SOUTH LINE OF LA HOMA CROSSING SUBDIVISION PHASE I, PASSING A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 FOUND AT 41.00 FEET FOR THE EAST RIGHT OF WAY LINE OF LA HOMA ROAD (F.M. 2894), A TOTAL DISTANCE OF 340.00 FEET TO A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 FOUND FOR THE MOST EASTERLY SOUTHWEST CORNER OF LA HOMA CROSSING SUBDIVISION PHASE I, AND AN INTERIOR CORNER OF THIS TRACT.

THENCE, S 81°10' E, ALONG THE SOUTH LINE OF LA HOMA CROSSING SUBDIVISION PHASE I, A DISTANCE OF 300.00 FEET TO A 1/2" IRON ROD FOUND FOR THE SOUTHWEST CORNER OF THE HUTTON SUBDIVISION No. 7 (RECORDED IN VOLUME 56, PAGES 4 AND 5, MAP RECORDS, HIDALGO COUNTY, TEXAS), AND INTERIOR CORNER OF LA HOMA CROSSING SUBDIVISION PHASE I, AND THE NORTHWEST CORNER OF THIS TRACT.

THENCE, S 81°10' E, ALONG THE SOUTH LINE OF LA HOMA CROSSING SUBDIVISION PHASE I, A DISTANCE OF 58.68 FEET TO A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 FOUND FOR AN INTERIOR CORNER OF THIS TRACT.

THENCE, ALONG THE SOUTH LINE OF LA HOMA CROSSING SUBDIVISION PHASE I, AND THE ARC OF A CURVE TO THE RIGHT (CURVA DATA: DELTA = 04°11'01", RADIUS = 7,925.00 FEET), A DISTANCE OF 647.83 FEET TO A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 FOUND FOR AN INTERIOR CORNER OF THIS TRACT.

THENCE, ALONG THE SOUTH LINE OF LA HOMA CROSSING SUBDIVISION PHASE I, AND THE ARC OF A CURVE TO THE LEFT (CURVA DATA: DELTA = 04°16'40", RADIUS = 8,075.00 FEET), A DISTANCE OF 257.78 FEET TO A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 SET FOR THE NORTHEAST CORNER OF THIS TRACT.

THENCE, S 08°50' W, PARALLEL TO WEST LINES OF LOTS 74 AND 77 BLOCK 3, LA HOMA RANCH CITRUS GROVES SUBDIVISION UNIT No. 1, A DISTANCE OF 768.18 FEET TO A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 SET FOR AN EXTERIOR CORNER OF THIS TRACT.

THENCE, N 81°10' W, A DISTANCE OF 181.73 FEET TO A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 SET FOR AN INTERIOR CORNER OF THIS TRACT.

THENCE, ALONG THE ARC OF A CURVE TO THE RIGHT (CURVA DATA: DELTA = 60°01'00", RADIUS = 50.00 FEET), A DISTANCE OF 50.36 FEET TO A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 SET FOR AN INTERIOR CORNER OF THIS TRACT.

THENCE, S 81°10' E, A DISTANCE OF 82.20 FEET TO A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 SET FOR AN EXTERIOR CORNER OF THIS TRACT.

THENCE, S 08°50' W, PARALLEL TO WEST LINE OF LOT 74, BLOCK 3, LA HOMA RANCH CITRUS GROVES SUBDIVISION UNIT No. 1, A DISTANCE OF 356.00 FEET TO A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 SET FOR THE SOUTH LINE OF LOT 75, BLOCK 2, LA HOMA RANCH CITRUS GROVES SUBDIVISION UNIT No. 1, FOR THE SOUTHWEST CORNER OF THIS TRACT.

THENCE, N 81°10' W, ALONG THE SOUTH LINE OF LOT 75, BLOCK 2, PASSING AT 1,169.98 FEET A 1/2" IRON ROD WITH CAP STAMPED RPLS 4856 SET FOR THE EAST RIGHT OF WAY LINE OF LA HOMA ROAD (F.M. 2894), A TOTAL DISTANCE OF 1,203.48 FEET TO THE POINT OF BEGINNING AND CONTAINING 32.73 ACRES OF LAND MORE OR LESS.

BEARINGS ARE IN ACCORDANCE WITH HUTTON SUBDIVISION, RECORDED IN VOLUME 56, PAGES 4 AND 5, MAP RECORDS, HIDALGO COUNTY, TEXAS.

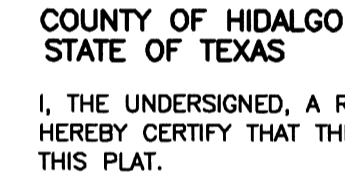
**STATE OF TEXAS
COUNTY OF HIDALGO**

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



ALFONSO QUINTANILLA
R.P.L.S. No. 4856

DATE: 7-12-2019



EULALIO RAMIREZ
P.E. No. 77062

DATE: 11-12-20

BOUNDARY CURVE DATA

CURVE	LENGTH	RADIUS	DELTA
"A"	647.83'	7,925.00'	04°11'01"
"B"	257.78'	8,075.00'	04°16'40"
"C"	120.36'	7,925.00'	09°52'13"
"D"	450.46'	7,925.00'	09°52'13"
"E"	28.97'	7,925.00'	00°11'39"
"F"	257.74'	8,075.00'	01°49'44"
"G"	104.11'	50.00'	119°59'39"
"H"	52.36'	50.00'	60°01'00"

LOT AREA

LOT #	AREA (S.F.)	(AC.)
1-4	27900.00	0.64
5	30768.10	0.71
6	37631.50	0.86
7-8	30,690.00	0.70
9-13	43610.00	1.00
14-15	43910.27	1.00
16	56386.33	1.29
17-18	52540.00	1.20
19	57877.34	1.33
20	55855.62	1.28
21-24	49490.00	1.14
25-26	59400.00	1.38
27	60865.97	1.40

INDEX TO SHEETS

- SHEET 1: READING INDEX, LOCATION MAP AND E.T.; PRINCIPAL CONTACTS; MAP, LOTS, STREETS, AND EASEMENT LAYOUT; DESCRIPTION (METES AND BOUNDS); ENGINEER'S & SURVEYOR'S CERTIFICATION; PLAT NOTES AND RESTRICTIONS; OWNER'S ACKNOWLEDGMENT; CITY APPROVAL CERTIFICATE; MAYOR'S CERTIFICATE, PLANNING & ZONING CERTIFICATE, COUNTY JUDGE CERTIFICATE, PLANNING & ZONING CERTIFICATE, ENVIRONMENTAL HEALTH CERTIFICATE, COUNTY CLERK'S RECORDING CERTIFICATE, H.C.D.D. No. 1 CERTIFICATE, HOID No. 6-1 CERTIFICATE, SHARYLAND WSC CERTIFICATION, REVISION NOTES.
- SHEET 2: ENGINEERING REPORT, INCLUDING DESCRIPTION OF WATER AND SANITARY SYSTEMS, ENGINEER'S CERTIFICATION (ENGLISH AND SPANISH VERSION), COUNTY CLERK'S RECORDING CERTIFICATE.
- SHEET 3: DRAINAGE REPORT INCLUDING DESCRIPTION OF DRAINAGE AND MAP OF TOPOGRAPHY AND DRAINAGE, AND ENGINEERING CERTIFICATION; REVISION NOTES, COUNTY CLERK'S RECORDING CERTIFICATE.

**STATE OF TEXAS
COUNTY OF HIDALGO
OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION**

MANUEL CANTU, JR. MEMBER, RED ROCK REAL ESTATE DEVELOPMENT GROUP, LTD., AS OWNER OF THE 32.73 ACRES TRACT OF LAND ENCOMPASSED WITHIN THE PROPOSED LA HOMA CROSSING SUBDIVISION PHASE II, HEREBY SUBDIVIDE THE LAND AS DEPICTED IN THIS SUBDIVISION PLAT AND DEDICATE TO PUBLIC USE THE STREET, PARK, AND EASEMENTS SHOWN HEREIN.

I CERTIFY THAT I HAVE COMPLIED WITH THE REQUIREMENTS OF TEXAS LOCAL GOVERNMENT CODE §232.032 AND THAT:

(A) THE WATER QUALITY AND CONNECTIONS TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS;

(B) SEWER CONNECTIONS TO THE LOTS OR SEPTIC TANKS MEET, OR WILL MEET, THE MINIMUM REQUIREMENTS OF STATE STANDARDS;

(C) ELECTRICAL CONNECTIONS PROVIDED TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS;

(D) GAS CONNECTIONS, IF AVAILABLE, PROVIDED TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS.

I ATTEST THAT THE MATTERS ASSERTED IN THIS PLAT ARE TRUE AND COMPLETE.

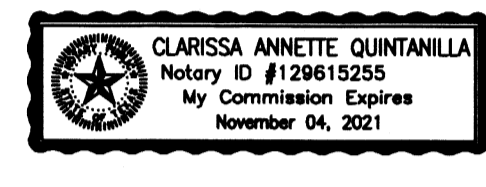
RED ROCK REAL ESTATE DEVELOPMENT GROUP, LTD.
MANUEL CANTU, JR. MEMBER
2912 S. JACKSON ROAD
MCALLEN, TX 78503
PH. (956) 821-8180
FAX (956) 682-3302

DATE: _____

**STATE OF TEXAS
COUNTY OF HIDALGO**

BEFORE ME, the undersigned notary public, on this day personally appeared
MANUEL CANTU, JR. MEMBER, RED ROCK REAL ESTATE DEVELOPMENT GROUP, LTD.,
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 she 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

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

WE, THE UNDERSIGNED CERTIFY THAT THIS PLAT OF THE LA HOMA CROSSING SUBDIVISION PHASE II, WAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY COMMISSIONERS COURT ON _____

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

**CITY OF MISSION
PLANNING AND ZONING**

THIS PLAT OF LA HOMA CROSSING SUBDIVISION HAS BEEN SUBMITTED TO AND CONSIDERED BY THE PLANNING AND ZONING COMMISSION OF THE CITY OF MISSION, TEXAS AND IS HEREBY APPROVED BY SUCH COMMISSION.

CHAIRMAN PLANNING COMMISSION _____ DATE _____
CITY SECRETARY _____ DATE _____

**CITY OF MISSION
CERTIFICATE OF APPROVAL**

UNDER LOCAL GOVERNMENT CODE 212.0115(G), WE, THE UNDERSIGNED CERTIFY THAT THIS PLAT OF LA HOMA CROSSING SUBDIVISION WAS REVIEWED AND APPROVED BY THE CITY COUNCIL OF THE CITY OF MISSION.

MAYOR OF CITY OF MISSION _____ DATE _____

**HIDALGO COUNTY
IRRIGATION DISTRICT NO. 6 CERTIFICATION**

THIS PLAN IS HEREBY APPROVED BY THE HIDALGO COUNTY IRRIGATION DISTRICT NO. 6 SUBJECT TO THE CONDITION THAT IF IRRIGATION FROM THE SAID DISTRICT IS DESIRED TO THE INDIVIDUAL LOTS SAID SUBDIVISION, PROVISION SHALL BE MADE FOR APPROPRIATE EASEMENT FOR THE INSTALLATION OF NECESSARY IRRIGATION FACILITIES TO SUCH LOT FROM INDIVIDUAL LOTS IN SAID SUBDIVISION. PROVISION SHALL BE MADE APPROPRIATE EASEMENT FOR THE INSTALLATION OF NECESSARY IRRIGATION FACILITIES TO SUCH LOTS FROM THE CLOSEST WATER DISTRICT DELIVERY POINT AND IT SHALL BE THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY TO INSTALL SUCH NECESSARY FACILITIES.

PRESIDENT _____ DATE _____
SECRETARY _____ DATE _____

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 THE TEXAS WATER CODE 49.121 (C). THE DISTRICT HAS NOT REVIEWED AND DOES NOT CERTIFY THAT THE DRAINAGE STRUCTURES DESCRIBED ARE APPROPRIATE FOR THE SPECIFIC SUBDIVISION BASED ON GENERALLY ACCEPTED ENGINEERING CRITERIA. IT IS THE RESPONSIBILITY OF THE DEVELOPER AND HIS ENGINEER TO MAKE THEIR DETERMINATIONS.

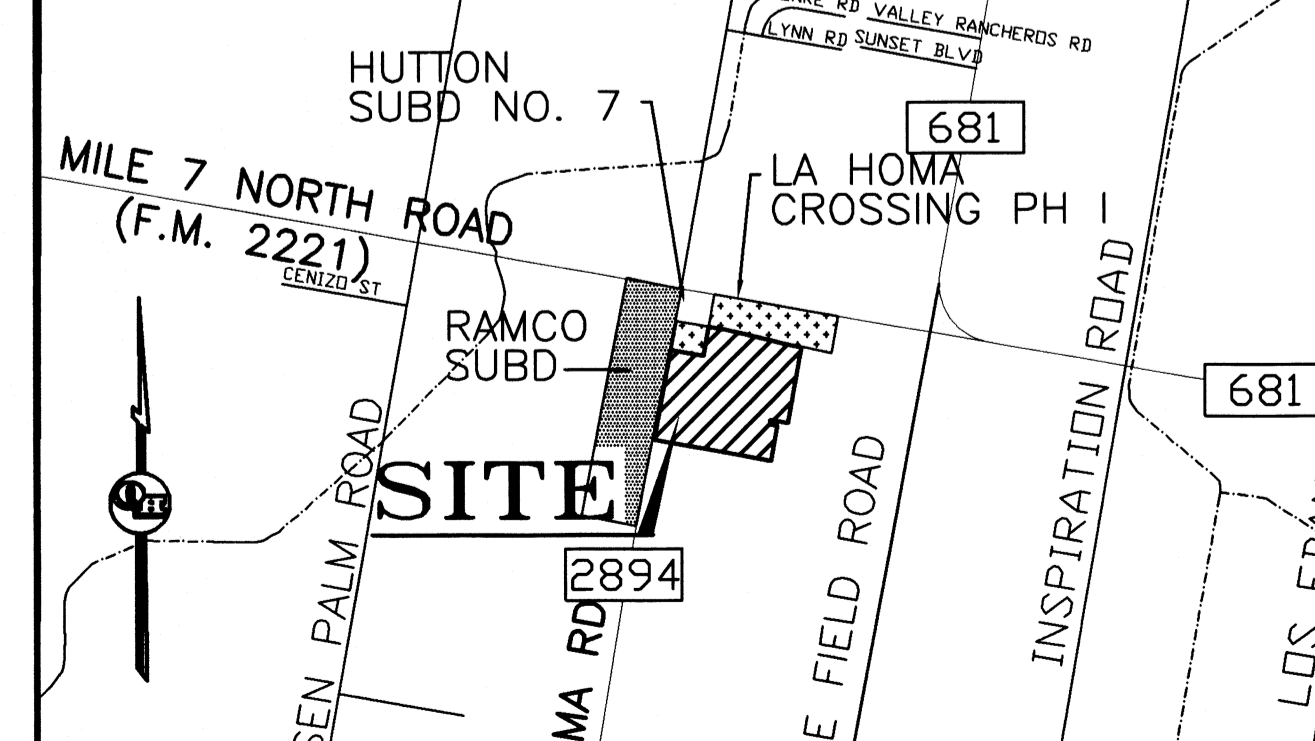
HIDALGO COUNTY DRAINAGE DISTRICT NO. 1
RAUL SESIN, P.E., C.F.M. _____ DATE _____
GENERAL MANAGER

**HIDALGO COUNTY
CERTIFICATE OF PLAT APPROVAL**

I, THE UNDERSIGNED, CERTIFY THAT THIS
LA HOMA CROSSING SUBDIVISION PHASE II
WAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY HEALTH DEPARTMENT.

ENVIRONMENTAL HEALTH DIVISION MANAGER _____ DATE _____
ON: _____ AT _____ AM/PM
INSTRUMENT NUMBER _____
OF THE MAP RECORDS OF HIDALGO COUNTY, TEXAS
By: _____ DEPUTY

LOCATION MAP SCALE 1" = 2000'



- PLAT NOTES AND RESTRICTIONS:**
- FLOOD ZONE STATEMENT. FLOOD ZONE DESIGNATION: ZONE "X" AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOODPLAIN. COMMUNITY-PANEL NUMBER 480334 0290 D. COMMUNITY-PANEL NUMBER 480334 0295 D. MAP REVISED: JUNE 6, 2000.
 - SETBACKS: FRONT 25.00 FEET LOTS 1 THRU 8. REAR 15.00 FEET LOTS 1 THRU 8. SIDE OR EASEMENT WHICHEVER IS GREATER IN ALL CASES.
 - THERE ARE NO WATER WELLS WITHIN 150 FEET FROM THE BOUNDARIES ON THIS SUBDIVISION.
 - MINIMUM FINISH FLOOR NOTE: MINIMUM FINISHED FLOOR ELEVATION SHALL BE 18" ABOVE THE CENTER LINE OF STREET OR 18" ABOVE NATURAL GROUND, WHICHEVER IS GREATER. ELEVATION CERTIFICATE MAY BE REQUIRED FOR LOTS LOCATED OUTSIDE A DESIGNATED FLOOD ZONE AT THE TIME OF APPLICATION FOR CONSTRUCTION TO VERIFY PRE AND POST CONSTRUCTION FINISHED FLOOR ELEVATIONS. AN ELEVATION CERTIFICATE SHALL BE REQUIRED FOR ALL LOTS WITHIN A DESIGNATED FLOOD ZONE AT THE TIME FOR A DEVELOPMENT PERMIT APPLICATION.
 - LOCATION OF SUBDIVISION WITH RESPECT TO THE EXTRATERRITORIAL JURISDICTION OF A MUNICIPALITY: LA HOMA CROSSING SUBDIVISION PHASE II IS LOCATED IN WEST HIDALGO COUNTY ON THE SOUTH SIDE OF MILE 7 NORTH ROAD (F.M. 2221) AND EAST SIDE OF LA HOMA ROAD, APPROXIMATELY 640.00 FEET SOUTH OF SAID INTERSECTION. THE ONLY NEARBY MUNICIPALITY IS THE CITY OF MISSION, ACCORDING TO THE OFFICIAL MAP OF THE CITY OF MISSION (POPULATION 84,877). LA HOMA CROSSING SUBDIVISION PHASE II LIES APPROXIMATELY 4 MILES FROM THE CITY LIMITS AND IT IS WITHIN THE CITY'S EXTRA TERRITORIAL JURISDICTION (ETJ) UNDER LOCAL GOVERNMENT CODE § 212.001. IT LIES IN PRECINCT NO. 3.
 - BENCHMARK NOTE: THE FOREGOING BENCHMARK IS IDENTIFIED ON THE FACE OF THE PLAT AND ON THE ATTACHED ENGINEERING PLANS. BENCHMARK No. 1 ELEV. = 180.78 LOCATED ON A COTTON PICKER SPINDLE FOUND ON THE NORTHWEST CORNER OF THE PROP. SUBDIVISION, N.A.V.D. 88 DATUM.
 - DRAINAGE: IN ACCORDANCE WITH THE HIDALGO COUNTY DRAINAGE DISTRICT NO. 1 AND HIDALGO COUNTY REQUIREMENTS, THIS DEVELOPMENT WILL BE REQUIRED TO OBTAIN A TOTAL OF 179,791.00 CUBIC FEET (4.127 ACRE FEET) OF STORM WATER DRAINAGE RETENTION IN ACCORDANCE WITH THE LOCAL REQUIREMENTS WILL BE ACCOMPLISHED AS FOLLOWS: SET DRAINAGE REPORT ON SHEET NO.3.
 - MANUEL CANTU, JR. MEMBER, RED ROCK REAL ESTATE DEVELOPMENT GROUP, LTD., THE OWNER & SUBDIVIDER OF LA HOMA CROSSING SUBDIVISION PHASE II, RETAINS AN EASEMENT UPON EACH LOT FOR THE PURPOSES OF INSTALLING AN APPROVED OSSF ON THE LOT AS DESCRIBED ON SHEET NO. 2 OF THIS PLAT.
 - LEGEND -- DENOTES 1/2"x24" IRON ROD SET WITH PLASTIC CAP STAMPED RPLS 4856, UNLESS OTHERWISE NOTED.
 - NO STRUCTURE SHALL BE PERMITTED OVER ANY EASEMENT. EASEMENTS SHALL BE KEPT CLEAR OF FENCES, BUILDINGS, SHEDS, SHRUBS, TREES, AND OTHER PLANTINGS (EXCEPT LOG, 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.
 - DRAINAGE AREA EASEMENT FOR LOTS OF 1 THRU 8 TO BE MAINTAINED BY THE LOT OWNERS.
 - 15'-16.0' ACCESS EASEMENT LOCATED ON THE NORTH SIDE OF LOT 1 CAN NOT BE FED IN TO PREVENT INGRESS & EGRESS TO DETENTION POND.
 - ON-SITE SEWAGE FACILITIES (OSSF) NOTE: A OSSF SYSTEM IS BEING DESIGNED FOR DISPOSAL OF COMMERCIAL SEWAGE ONLY. A SEPARATE DESIGN SHALL BE SUBMITTED FOR MULTIFAMILY USE.
 - EACH LOT ON THIS PLAT COMPLIES WITH THE MINIMUM 21,780 SQUARE FEET LOT AREA WITH POTABLE WATER SUPPLY.
 - OSSF SYSTEM SHALL BE SUBJECT TO INSPECTION AND APPROVAL BY HIDALGO COUNTY AUTHORIZED REPRESENTATIVE.
 - SOIL ANALYSIS HAVE BEEN SUBMITTED TO THE AUTHORIZED HIDALGO COUNTY DEPARTMENT AND ENGINEER'S CERTIFICATION (ENGLISH AND SPANISH VERSION). THIS SUBDIVISION HAS BEEN SUBMITTED TO THE HIDALGO COUNTY PLANNING DEPARTMENT. THE SOIL EVALUATOR (LICENSE NO. - 0512258) HAS DETERMINED THAT THE SOIL IS SUITABLE FOR A STANDARD SEPTIC TANK AND ABSORBENT.
 - APPROVED "OSSF" PERMIT APPLICATION IS REQUIRED INCLUDING INDIVIDUAL LOT PLANNING MATERIALS PRIOR TO OCCUPANCY OF A LOT.
 - EACH PURCHASE CONTRACT MADE BETWEEN A SUBDIVIDER AND PURCHASER OF A LOT IN THIS SUBDIVISION SHALL CONTAIN THE STATEMENT DESCRIBING HOW AND WHEN WATER, SEWER, ELECTRICITY AND GAS SERVICES WILL BE MADE AVAILABLE TO THE SUBDIVISION.
 - ALL PUBLIC UTILITY EASEMENTS DEDICATED BY THIS PLAT SHALL BE A MINIMUM WIDTH OF 15.00 FEET AS PER THE HIDALGO COUNTY MODEL SUBDIVISION RULES BY SIGNING THIS PLAT DEVELOPER AND ENGINEER CERTIFY THAT OTHER EASEMENTS SHOWN ON THIS PLAT ARE THE SIZE REQUIRED BY EACH UTILITY PROVIDER OCCUPANCY AN EASEMENT.
 - NO INDIVIDUAL LOT ACCESS WILL BE ALLOWED FOR LOTS 1 THROUGH 8. A 24.00 FOOT DRIVEWAY ENTRANCE SHALL BE CONSTRUCTED BY DEVELOPER ON LOTS 1 THROUGH 8 TO PROVIDE INGRESS AND EGRESS TO ALL LOTS FROM LA JOYA LANE.
 - DEVELOPER MUST PAVE ALL 25.00' ACCESS EASEMENTS PRIOR TO RECORDING OR ISSUING ANY BUILDING PERMITS. THE MAINTENANCE OF THE PAVED ACCESS EASEMENT SHALL BE THE RESPONSIBILITY OF EACH PROPERTY OWNER.

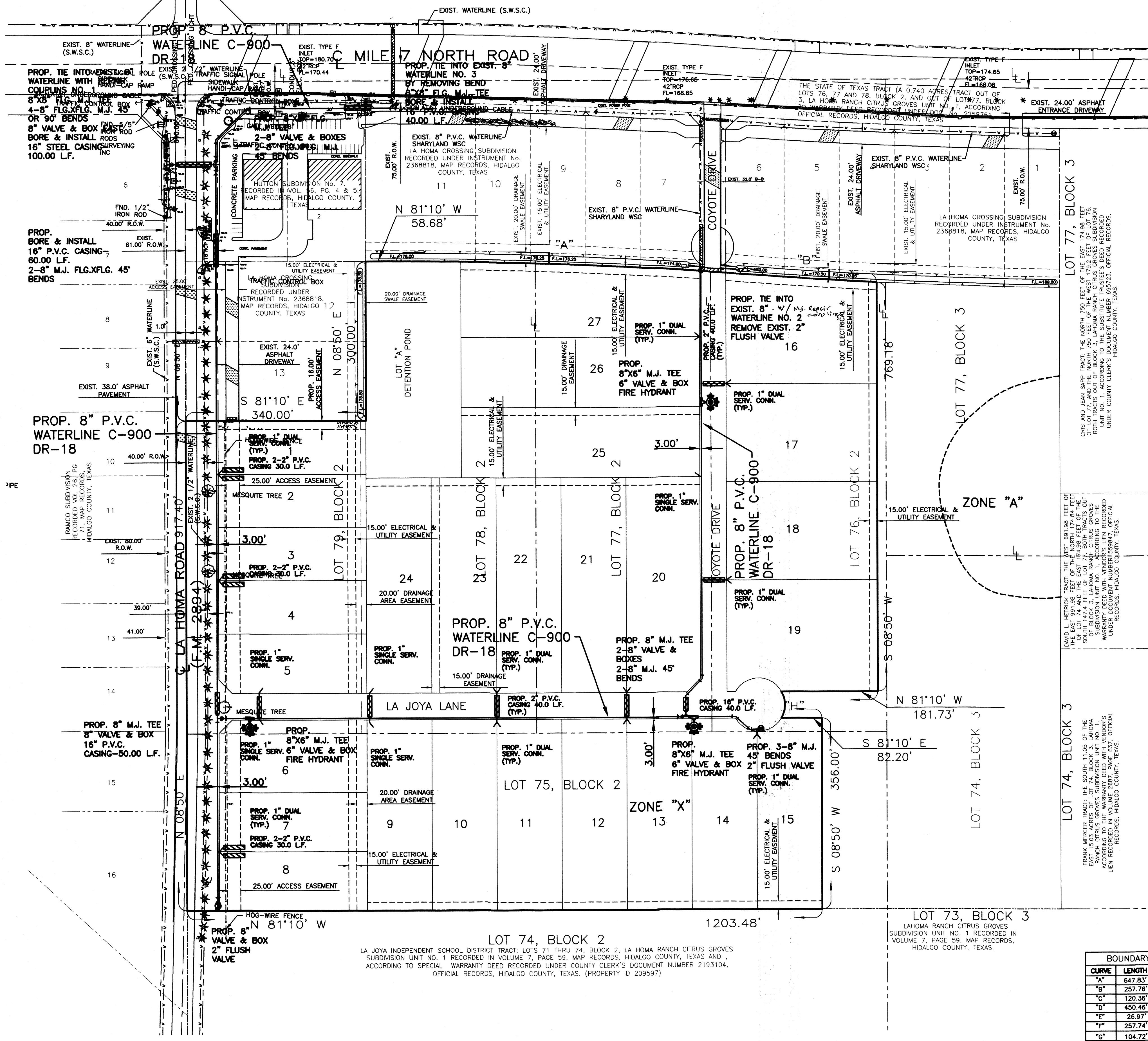
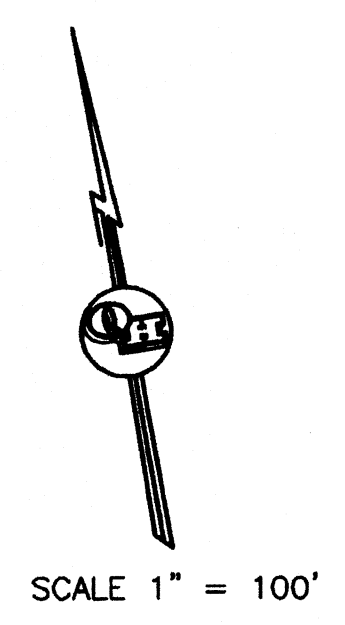
PRINCIPAL CONTACTS:

Name	Address	City & Zip	Phone	Fax
MANUEL CANTU, JR. MEMBER, RED ROCK REAL ESTATE DEVELOPMENT GROUP, LTD.	2912 S. JACKSON ROAD	MCALLEN, TX 78503	(956)821-8180	682-3302
ENGINEER: EULALIO RAMIREZ	124 E. STUBBS	EDINBURG, TX 78539	(956)381-6480	381-0527
SURVEYOR: ALFONSO QUINTANILLA	124 E. STUBBS	EDINBURG, TX 78539	(956)381-6480	381-0527

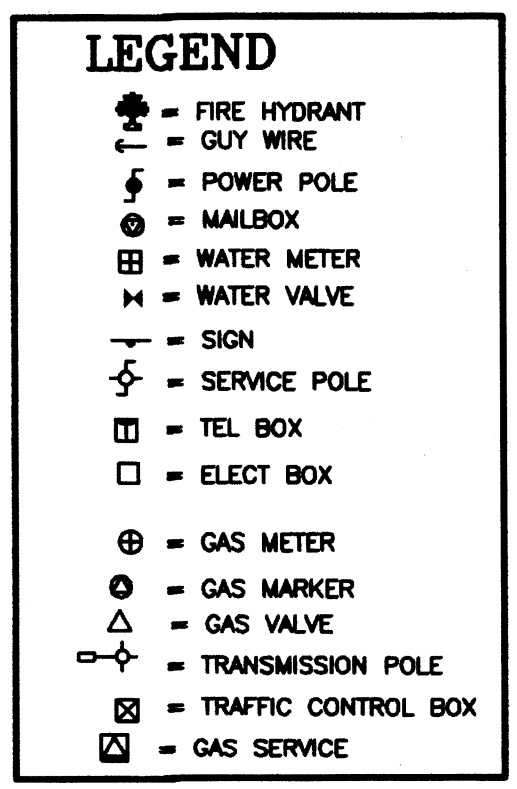
QUINTANILLA, HEADLEY AND ASSOCIATES, INC.
CONSULTING ENGINEERS • LAND SURVEYORS
124 E. STUBBS ST.
EDINBURG, TEXAS 78539
ENGINEERING REGISTRATION NUMBER F-1513
SURVEYING REGISTRATION NUMBER 100411-00
PHONE 956-381-6480
FAX 956-381-0527
ALFONSO@QHA-ENG.COM

SHEET NO. 1 OF 2 SHEETS

FILENAME: F:\DATA\SUBDIVISION\MISSION\LA HOMA CROSSING SUBD\LA HOMA-PLAT	DATE PREPARED	PREPARED BY	CHECKED BY	APPROVED BY
	09-12-2019	JG	JG	JG
	DATE REVISION	REVISION BY	CHECKED BY	APPROVED BY
	10-29-2020	JG, JLCV	JG	JG



BOUNDARY CURVE DATA			
CURVE	LENGTH	RADIUS	DELTA
A	647.83'	7,925.00'	04°41'01"
B	257.76'	8,075.00'	04°18'40"
C	120.36'	7,925.00'	07°52'13"
D	450.46'	7,925.00'	03°15'24"
E	26.97'	7,925.00'	00°11'39"
F	257.74'	7,925.00'	01°49'44"
G	104.72'	50.00'	
H	52.36'	50.00'	60°00'00"



LOT 74, BLOCK 2
 LA JOYA INDEPENDENT SCHOOL DISTRICT TRACT; LOTS 71 THRU 74, BLOCK 2, LA JOYA RANCH CITRUS GROVES SUBDIVISION UNIT NO. 1 RECORDED IN VOLUME 7, PAGE 59, MAP RECORDS, HIDALGO COUNTY, TEXAS AND ACCORDING TO SPECIAL WARRANTY DEED RECORDED UNDER COUNTY CLERK'S DOCUMENT NUMBER 2193104, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS. (PROPERTY ID 209597)

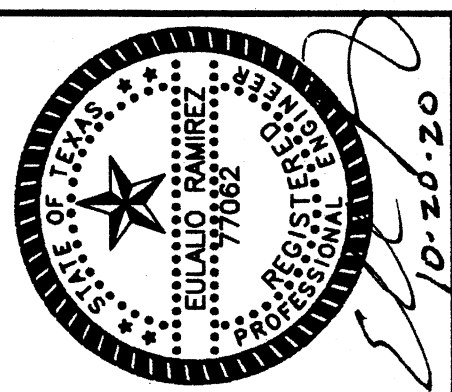
DAVID L. HERROCK TRACT, THE WEST 691.09 FEET OF LOT 74 AND THE EAST 19.48 FEET OF THE WEST 1/2 OF LOT 74 AND THE EAST 1/2 OF LOT 74, LA JOYA RANCH CITRUS GROVES SUBDIVISION UNIT NO. 1, ACCORDING TO THE ASSESSMENT MAP RECORDED UNDER INSTRUMENT NO. 2193104, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

FRANK WELLES TRACT, THE SOUTHWEST 1/4 OF THE EAST 1/2 ACRES OF LOT 74, BLOCK 3, LA JOYA RANCH CITRUS GROVES SUBDIVISION UNIT NO. 1, ACCORDING TO THE ASSESSMENT MAP RECORDED UNDER INSTRUMENT NO. 2193104, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

CROSS AND JEAN SARD TRACT, THE NORTH 750 FEET OF THE EAST 1/4 OF LOT 77, AND THE NORTH 750 FEET OF THE WEST 1/2 OF LOT 76, LA JOYA RANCH CITRUS GROVES SUBDIVISION UNIT NO. 1, ACCORDING TO THE ASSESSMENT MAP RECORDED UNDER INSTRUMENT NO. 2193104, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

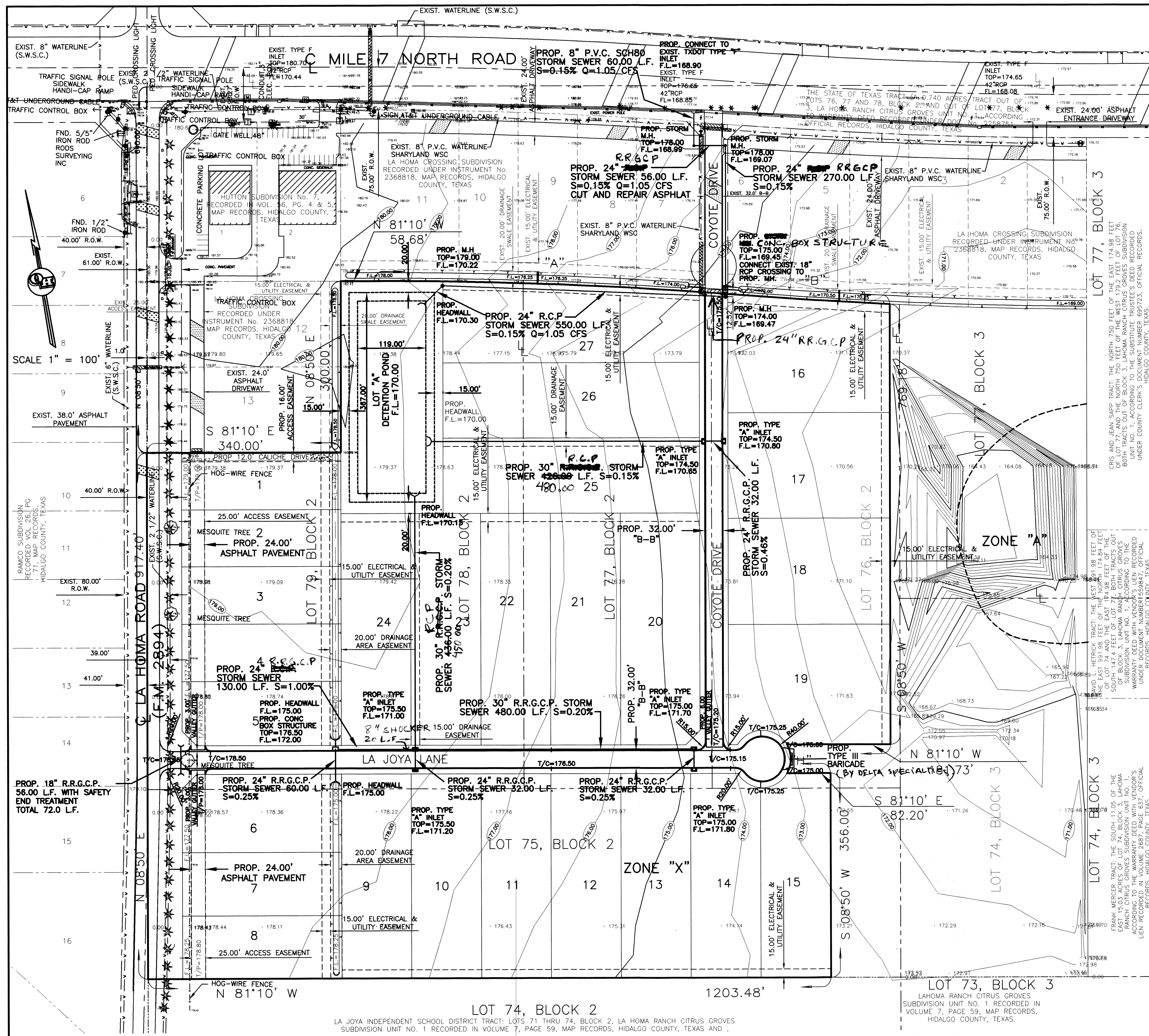
JOB NO.	NOV. 01, 2019
DATE	10-20-2020
REVISION	1"=100'
SCALE	DRAWN BY: JS
SHEET	

LA HOMA CROSSING SUBDIVISION PHASE II WATER DISTRIBUTION SYSTEM



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

DATE PREPARED	NOV 01 2019	CHECKED BY	JS	APPROVED BY	
DATE REVISION	10-20-2020	CHECKED BY	JS	APPROVED BY	

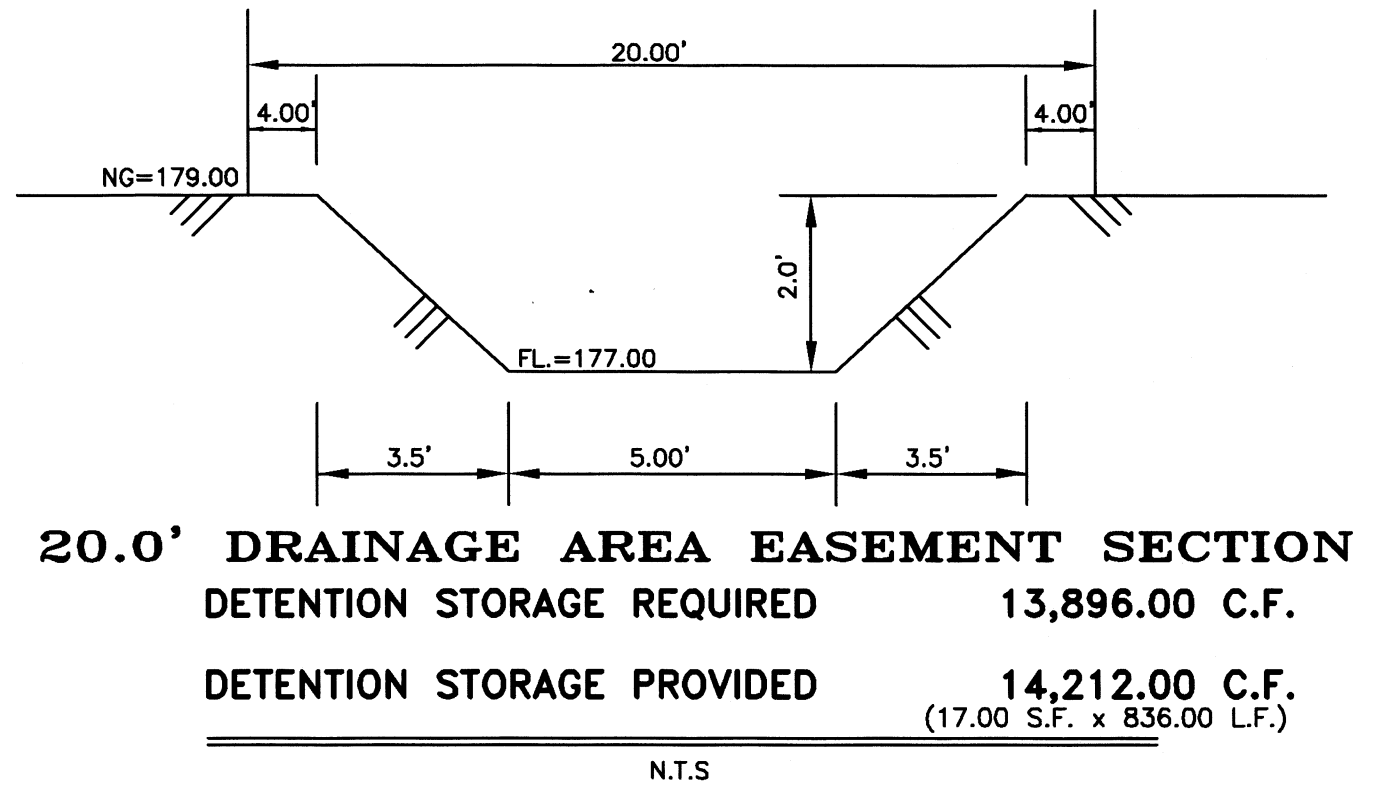
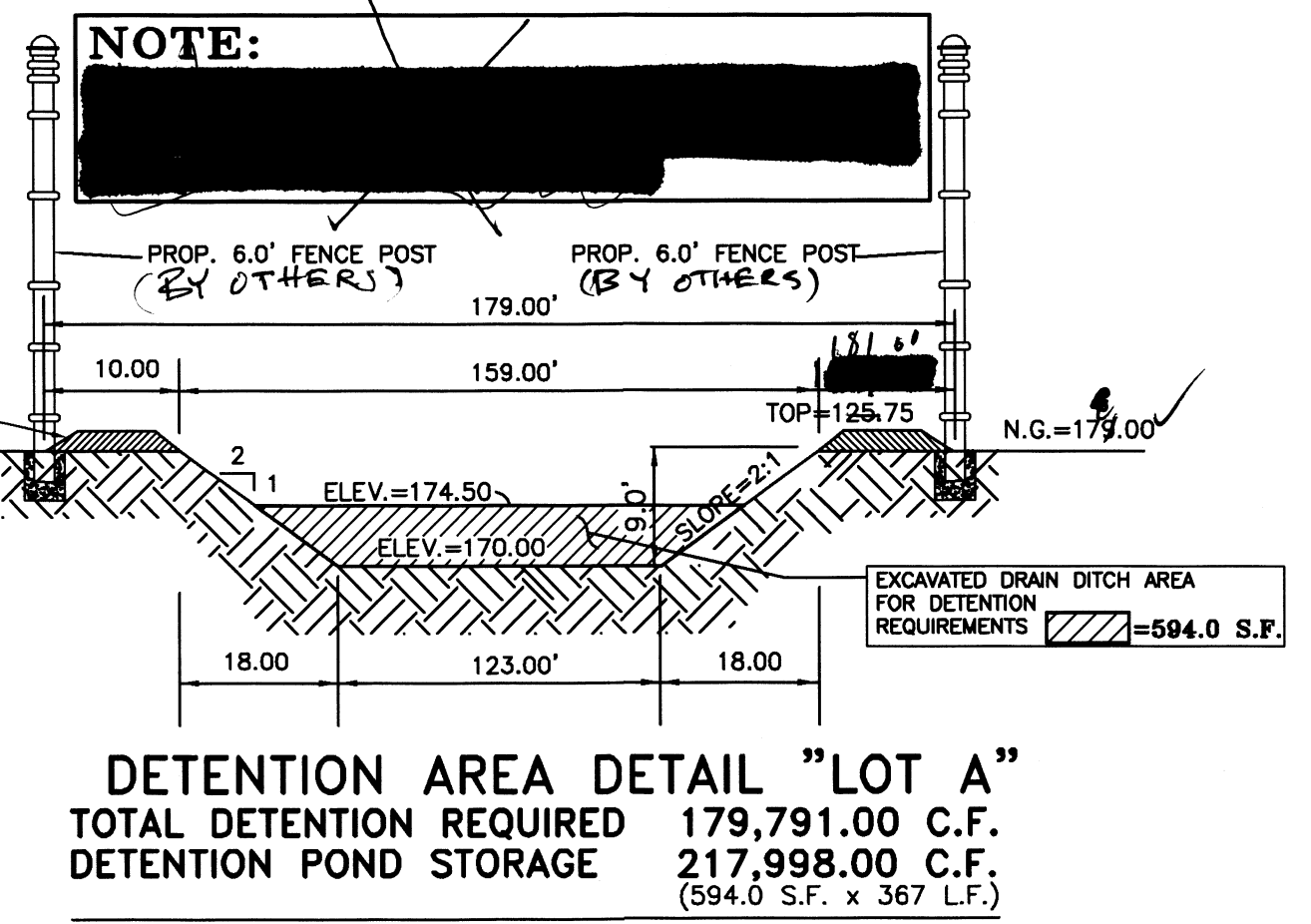


NOTE:
DIRT EXCAVATED FROM DRAIN DITCH SHALL BE SPREAD AT LOCATION DETERMINED BY ENGINEER DURING SUBDIVISION CONSTRUCTION.

LEGEND
TOTAL DETENTION REQUIRED - 179,791.00 C.F.
TOTAL DETENTION PROVIDED - 217,998.00 C.F.
 TOTAL EXCAVATION NEEDED - 465,723.00 C.F.

BOUNDARY CURVE DATA

CURVE	LENGTH	RADIUS	DELTA
"A"	647.83'	7,925.00'	04°41'01"
"B"	257.76'	8,075.00'	04°18'40"
"C"	120.36'	7,925.00'	00°52'13"
"D"	450.46'	7,925.00'	03°15'24"
"E"	26.97'	7,925.00'	00°11'39"
"F"	257.74'		01°49'44"
"G"	104.72'	50.00'	60°00'00"
"H"	52.36'	50.00'	60°00'00"



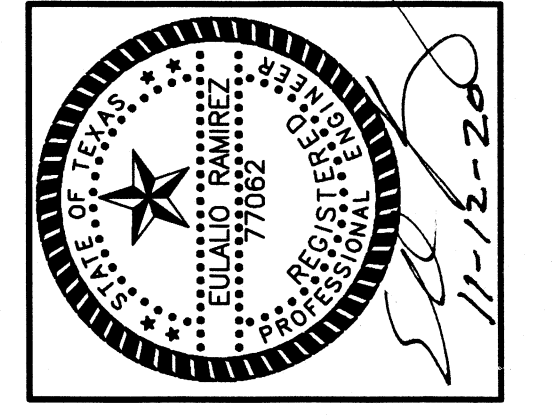
- LEGEND**
- ⊕ = FIRE HYDRANT
 - = GUY WIRE
 - ⊙ = POWER POLE
 - ⊙ = MAILBOX
 - ⊙ = WATER METER
 - ⊙ = WATER VALVE
 - ⊙ = SIGN
 - ⊙ = SERVICE POLE
 - ⊙ = TEL BOX
 - ⊙ = ELECT BOX
 - ⊙ = GAS METER
 - ⊙ = GAS MARKER
 - ⊙ = GAS VALVE
 - ⊙ = TRANSMISSION POLE
 - ⊙ = TRAFFIC CONTROL BOX
 - ⊙ = GAS SERVICE

FILENAME: Z:\DATA\SUBD\HALLER\LA HOMA CROSSING SUBD 2\PLAT

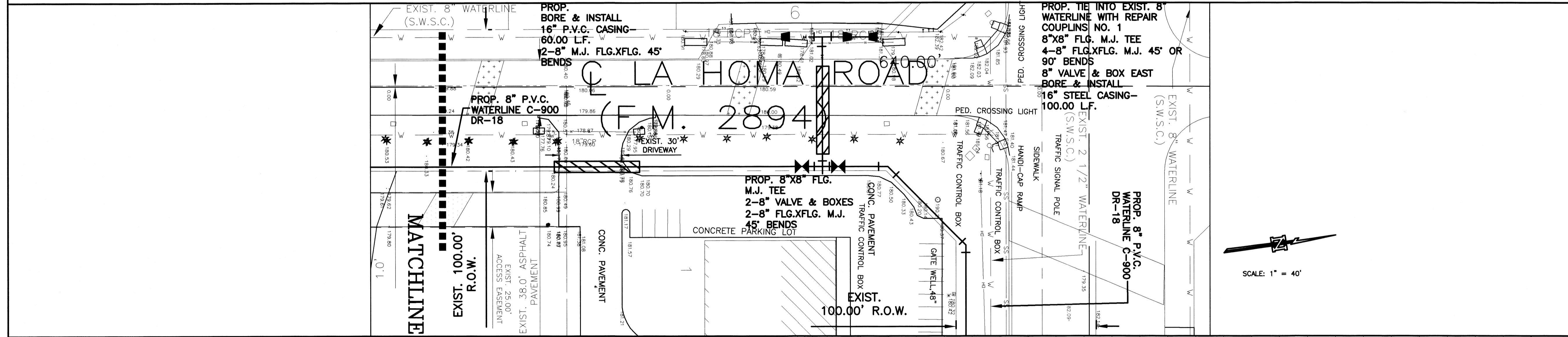
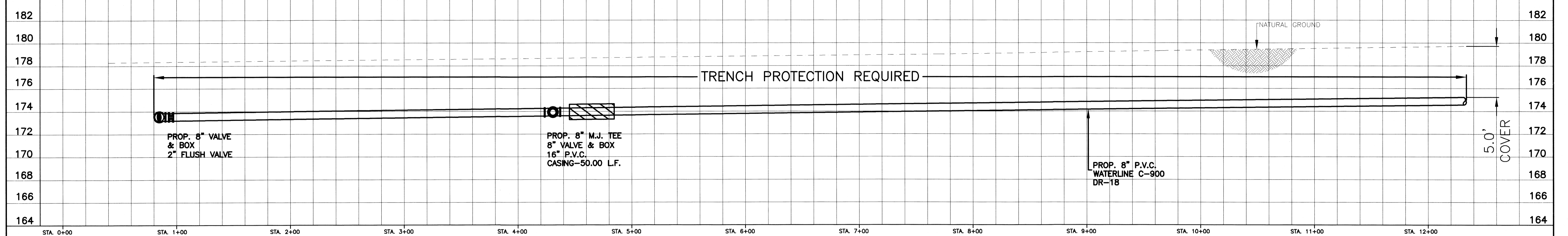
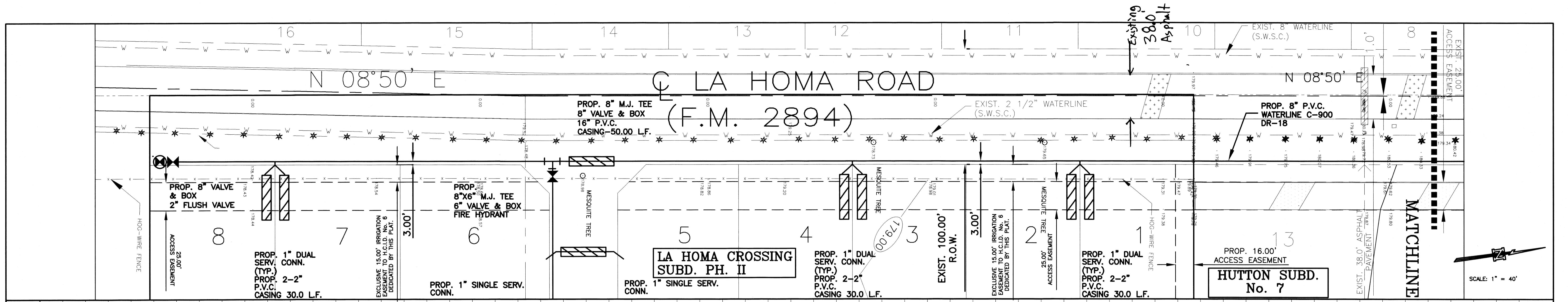
DATE PREPARED	PREPARED BY	CHECKED BY	APPROVED BY
NOV 05 2019	JK		
DATE REVISION	REVISION	CHECKED BY	APPROVED BY

JOB NO. _____
 DATE NOV. 05, 2019
 REVISION 10-20-20
 SCALE 1"=100'
 DRAWN BY JK
 SHEET _____

**LA HOMA CROSSING SUBDIVISION
 PHASE II
 PAVING AND DRAINAGE**



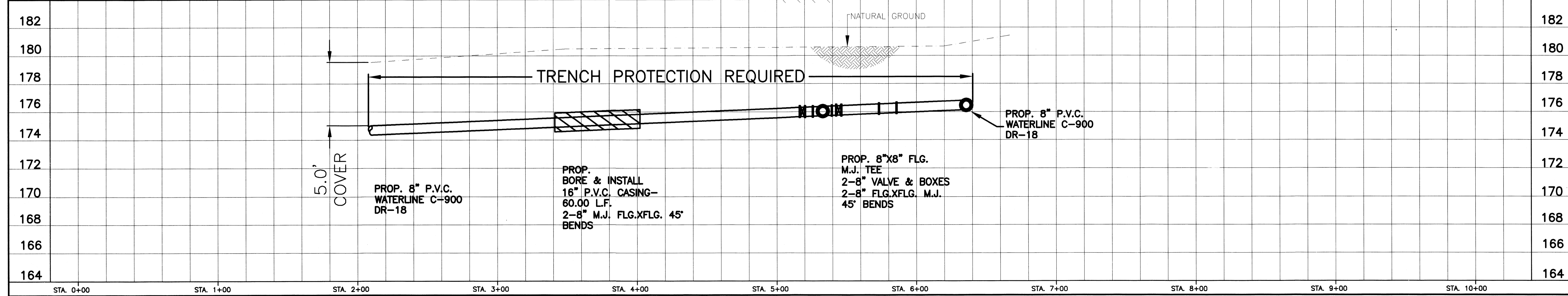
QUINTANILLA, HEADLEY AND ASSOCIATES, INC.
 CONSULTING ENGINEERS • LAND SURVEYORS
 12015 CLUBS ST., SUITE 200
 EDINBURG, TEXAS 78539
 PHONE 956-381-0480
 FAX 956-381-0527
 ALFONSO@QHA-ENG.COM
 ENGINEERING REGISTRATION NUMBER F-1513
 SURVEYING REGISTRATION NUMBER 100411-00



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

SCALE: 1" = 40'



**LA HOMA CROSSING SUBDIVISION PHASE II
TXDOT UIR - PLAN AND PROFILE**

QUINTANILLA, HEADLEY, AND ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
124 E. STUBBS ST., EDINBURG, TEXAS 78539 PH. 381-6480
REGISTRATION NUMBER F-1513 ALFONSO@QHA-ENG.COM

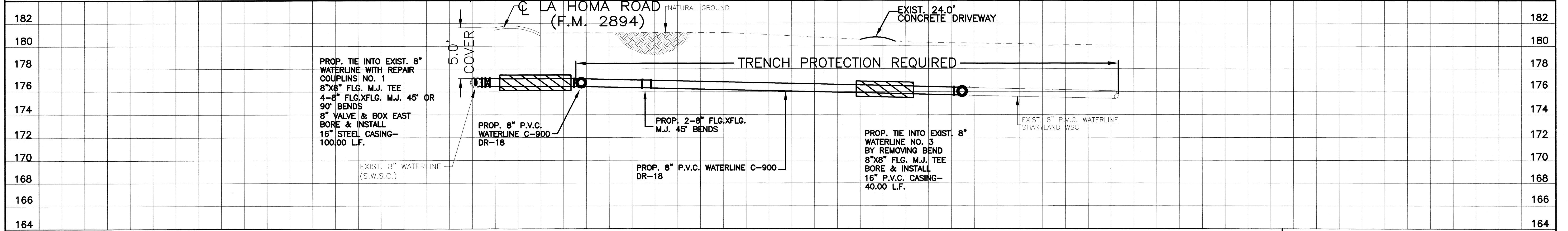
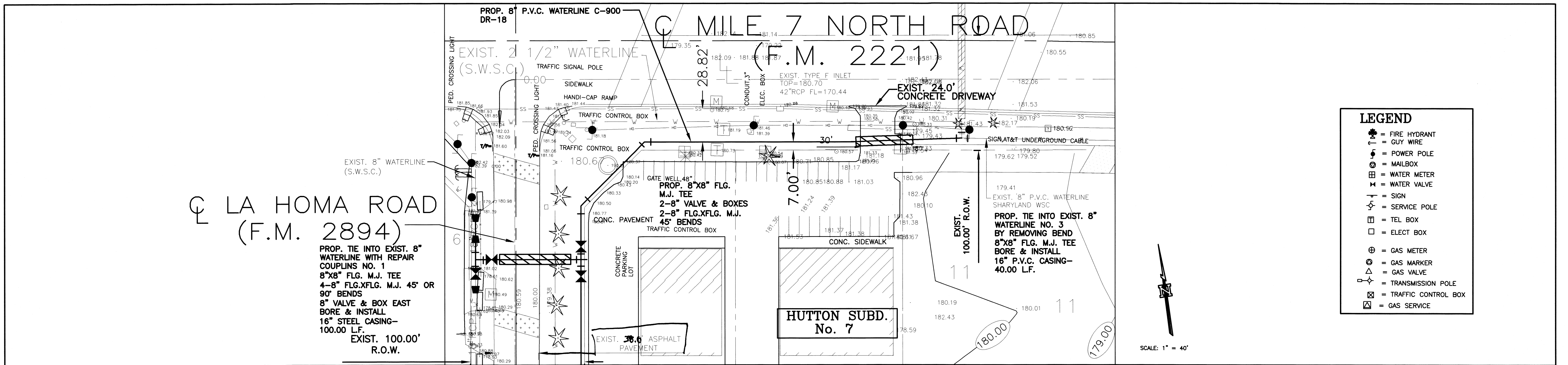
APPROVED BY: _____ CHECKED BY: _____ PREPARED BY: ALEX G

LOCATION: LA HOMA CROSSING PH. II TXDOT UIR SHEET No. 1 of 2

DATE: 8-12-2020 SCALE: HORIZONTAL 1" = 40' VERTICAL 1" = 4'

MARCO A. GONZALEZ
120018
LICENSED ENGINEER
P.E. No. 120016

Marco A. Gonzalez 8-3-20
DATE

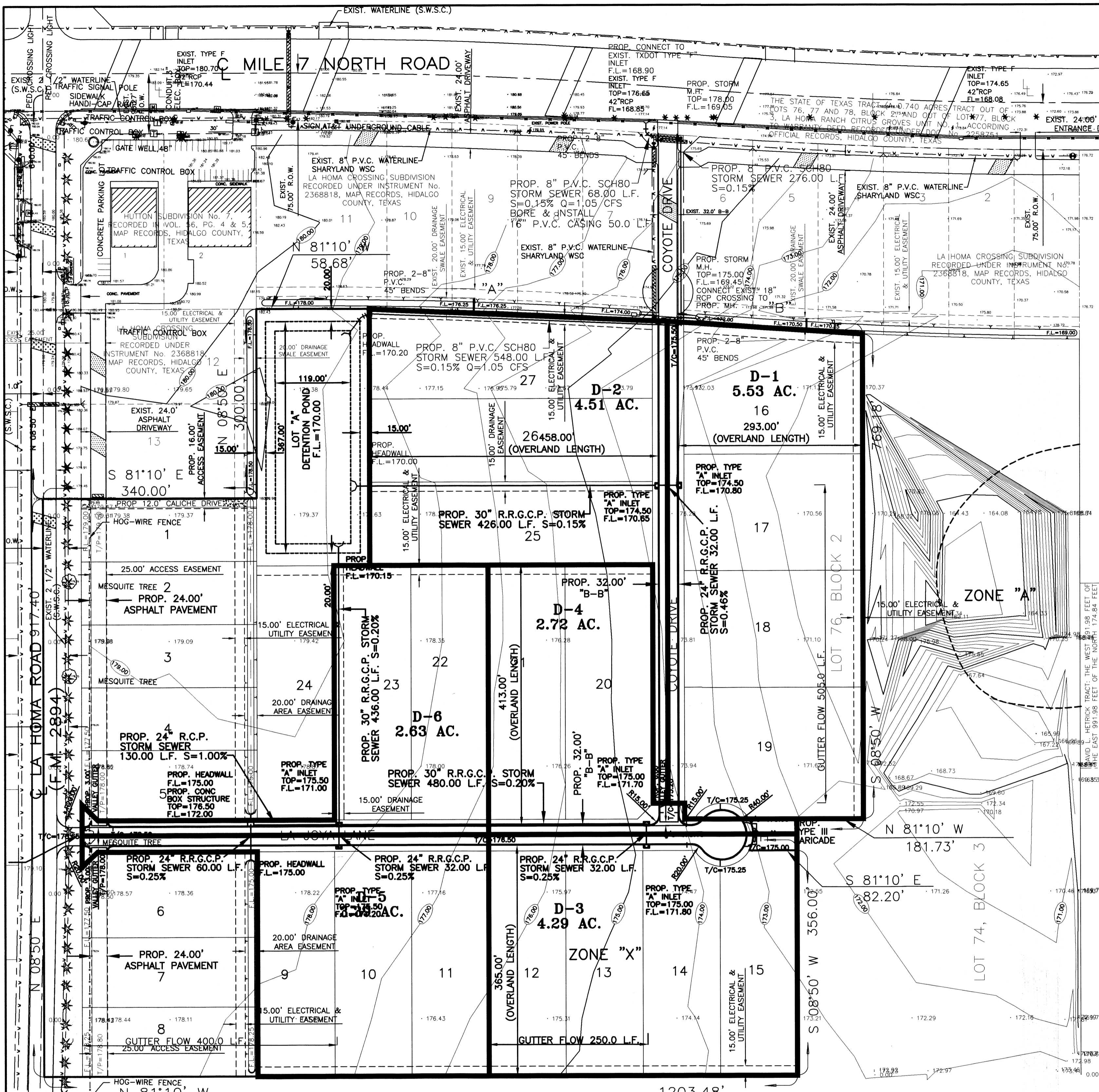


Marco A. Gonzalez
 MARCO A. GONZALEZ
 P.E. No. 120016
 DATE 8-13-20

LA HOMA CROSSING SUBDIVISION PHASE II
 TXDOT UIR - PLAN AND PROFILE

QUINTANILLA, HEADLEY, AND ASSOCIATES, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 124 E. STUBBS ST., EDINBURG, TEXAS 78539 PH. 381-6480
 REGISTRATION NUMBER F-1513 ALFONSO@QHA-ENG.COM

APPROVED BY:	CHECKED BY:	PREPARED BY: ALEX G
LOCATION:	FILE: P:\DATA\SUBD\HOMALLEN	SHEET No.
DATE: 8-12-2020	SCALE: HORIZONTAL 1" = 40' VERTICAL 1" = 4'	2 of 2



LA JOYA INDEPENDENT SCHOOL DISTRICT TRACT: LOTS 71 THRU 74, BLOCK 2, LA HOMA RANCH CITRUS GROVES SUBDIVISION UNIT NO. 1 RECORDED IN VOLUME 7, PAGE 59, MAP RECORDS, HIDALGO COUNTY, TEXAS AND .

LA HOMA RANCH CITRUS GROVES SUBDIVISION UNIT NO. 1 RECORDED IN VOLUME 7, PAGE 59, MAP RECORDS, HIDALGO COUNTY, TEXAS.

LEGEND
TOTAL DETENTION REQUIRED - 179,791.00 C.F.
TOTAL DETENTION PROVIDED - 217,998.00 C.F.
 (594.0 S.F. x 367 L.F.)
TOTAL EXCAVATION NEEDED - 465,723.00 C.F.
 (1,269.0 S.F. x 367 L.F.)

CURVE	LENGTH	RADIUS	DELTA
"A"	647.83'	7,925.00'	04°41'01"
"B"	257.78'	8,075.00'	04°18'40"
"C"	120.36'	7,925.00'	03°52'13"
"D"	450.46'	7,925.00'	03°15'24"
"E"	28.97'	7,925.00'	00°11'39"
"F"	257.74'	7,925.00'	01°49'44"
"G"	104.72'	50.00'	50°00'00"
"H"	52.36'	50.00'	60°00'00"

WinStorm (STORM DRAIN DESIGN) Version 3.05, Jan. 25, 2002
 Run @ 4/8/2020 11:12:10 AM
 PROJECT NAME : La Homa Ph II
 JOB NUMBER :
 PROJECT DESCRIPTION : D-1 & D-2
 DESIGN FREQUENCY : 10 Years
 MEASUREMENT UNITS : ENGLISH

OUTPUT FOR DESIGN FREQUENCY of: 10 Years

Runoff Computation for Design Frequency.

ID	C Value	Area (acre)	Tc (min)	To Used (min)	Intensity (in/hr)	Supply Q (cfs)	Total Q (cfs)
D-1	0.3	5.53	41.96	41.96	4.07	0.000	6.758
D-2	0.3	5.51	55.57	55.57	3.24	0.000	4.378

Sag Inlets Configuration Data.

Inlet ID	Inlet Length (ft)	Grate Area (sq ft)	Left-Slope Long Trans (ft)	Right-Slope Long Trans (ft)	n	Depth (ft)	Capacity (cfs)	Head (ft)	Allowed Elev. (ft)	Critic Elev. (ft)
D-1	10.00	n/a	0.50	2.00	0.50	2.00	0.014	1.50	0.50	174.20
D-2	10.00	n/a	0.50	2.00	0.50	2.00	0.014	1.50	0.50	174.20

Cumulative Junction Discharge Computations

Node I.D.	Type	Weighted C-Value	Cumulat. Dr. Area (acres)	Cumulat. Intensity (in/hr)	User Supply Q (cfs)	Additional Q in Node (cfs)	Total Disch. (cfs)
D-1	Curb	0.300	5.53	41.96	4.07	0.000	6.758
D-2	Curb	0.300	10.04	55.57	3.24	0.000	9.747
OUT	Outlet	0.300	10.04	55.57	3.24	0.000	9.747

Conveyance Configuration Data

Run#	Node I.D.	Flowline Elev. (ft)	Shape	Span (ft)	Rise (ft)	Length (ft)	Slope (%)	n_value
1	D-1	170.80	Circ	1	0.00	1.50	32.00	0.47
2	D-1	170.25	Circ	1	0.00	2.50	426.00	0.15

Conveyance Hydraulic Computations. Tailwater = 0.000 (ft)

Run#	Node I.D.	Flowline Elev. (ft)	Depth (ft)	Velocity (ft/s)	Q (cfs)	Cap (cfs)	Loss (ft)
1	D-1	170.80	0.414	1.15	1.41	4.65	6.76
2	D-1	170.06	0.056	1.41	1.41	3.43	9.75

Conveyance Hydraulic Computations. Tailwater = 0.000 (ft)

Run#	Node I.D.	Flowline Elev. (ft)	Depth (ft)	Velocity (ft/s)	Q (cfs)	Cap (cfs)	Loss (ft)			
1	D-3	171.80	171.70	Circ	1	0.00	1.50	32.00	0.31	0.013
2	D-4	171.70	171.00	Circ	1	0.00	2.00	480.00	0.15	0.013
3	D-5	171.20	171.00	Circ	1	0.00	1.50	32.00	0.63	0.013
4	D-6	171.00	170.00	Circ	1	0.00	2.50	436.00	0.23	0.013

NORMAL TERMINATION OF WINSTORM.
 Warning Messages for current project:
 Runoff Frequency of: 10 Years
 Tailwater set to uniform depth elevation = 171.41 (ft)

WinStorm (STORM DRAIN DESIGN) Version 3.05, Jan. 25, 2002
 Run @ 4/8/2020 2:16:15 PM
 PROJECT NAME : La Homa Ph II
 JOB NUMBER :
 PROJECT DESCRIPTION : D-3, D-4, D-5 & D-6
 DESIGN FREQUENCY : 10 Years
 MEASUREMENT UNITS : ENGLISH

OUTPUT FOR DESIGN FREQUENCY of: 10 Years

Runoff Computation for Design Frequency.

ID	C Value	Area (acre)	Tc (min)	To Used (min)	Intensity (in/hr)	Supply Q (cfs)	Total Q (cfs)
D-3	0.3	4.29	44.24	44.24	3.94	0.000	5.068
D-4	0.3	2.72	49.36	49.36	3.67	0.000	2.992
D-5	0.3	2.72	47.42	47.42	3.76	0.000	3.825
D-6	0.3	2.63	10.00	10.00	8.73	0.000	6.890

Sag Inlets Configuration Data.

Inlet ID	Inlet Length (ft)	Grate Area (sq ft)	Left-Slope Long Trans (ft)	Right-Slope Long Trans (ft)	n	Depth (ft)	Capacity (cfs)	Head (ft)	Allowed Elev. (ft)	Critic Elev. (ft)
D-3	10.00	n/a	0.50	2.00	0.50	2.00	0.014	1.50	0.50	175.00
D-4	5.00	n/a	0.50	2.00	0.50	2.00	0.014	1.50	0.50	175.00
D-5	10.00	n/a	0.50	2.00	0.50	2.00	0.014	1.50	0.50	175.20
D-6	10.00	n/a	0.50	2.00	0.50	2.00	0.014	1.50	0.50	175.50

Cumulative Junction Discharge Computations

Node I.D.	Type	Weighted C-Value	Cumulat. Dr. Area (acres)	Cumulat. Intensity (in/hr)	User Supply Q (cfs)	Additional Q in Node (cfs)	Total Disch. (cfs)
D-3	Curb	0.300	4.29	44.24	3.94	0.000	5.068
D-4	Curb	0.300	7.01	49.36	3.67	0.000	9.10
D-5	Curb	0.300	9.73	51.98	3.54	0.000	13.855
D-6	Curb	0.300	12.36	51.98	3.54	0.000	13.855

Conveyance Configuration Data

Run#	Node I.D.	Flowline Elev. (ft)	Shape	Span (ft)	Rise (ft)	Length (ft)	Slope (%)	n_value
1	D-3	171.80	Circ	1	0.00	1.50	32.00	0.47
2	D-4	171.06	Circ	1	0.00	2.50	426.00	0.15

Conveyance Hydraulic Computations. Tailwater = 0.000 (ft)

Run#	Node I.D.	Flowline Elev. (ft)	Depth (ft)	Velocity (ft/s)	Q (cfs)	Cap (cfs)	Loss (ft)
1	D-3	171.80	0.414	1.15	1.41	4.65	6.76
2	D-4	171.06	0.056	1.41	1.41	3.43	9.75

Conveyance Hydraulic Computations. Tailwater = 0.000 (ft)

Run#	Node I.D.	Flowline Elev. (ft)	Depth (ft)	Velocity (ft/s)	Q (cfs)	Cap (cfs)	Loss (ft)
1	D-3	171.80	0.232	1.08	1.50	3.73	2.87
2	D-4	172.56	0.116	1.50	1.56	3.05	2.93
3	D-5	172.56	0.133	0.71	1.50	4.61	2.17
4	D-6	171.56	0.114	1.56	1.56	4.29	13.85

NORMAL TERMINATION OF WINSTORM.
 Warning Messages for current project:
 Runoff Frequency of: 10 Years
 Tailwater set to uniform depth elevation = 171.56 (ft)

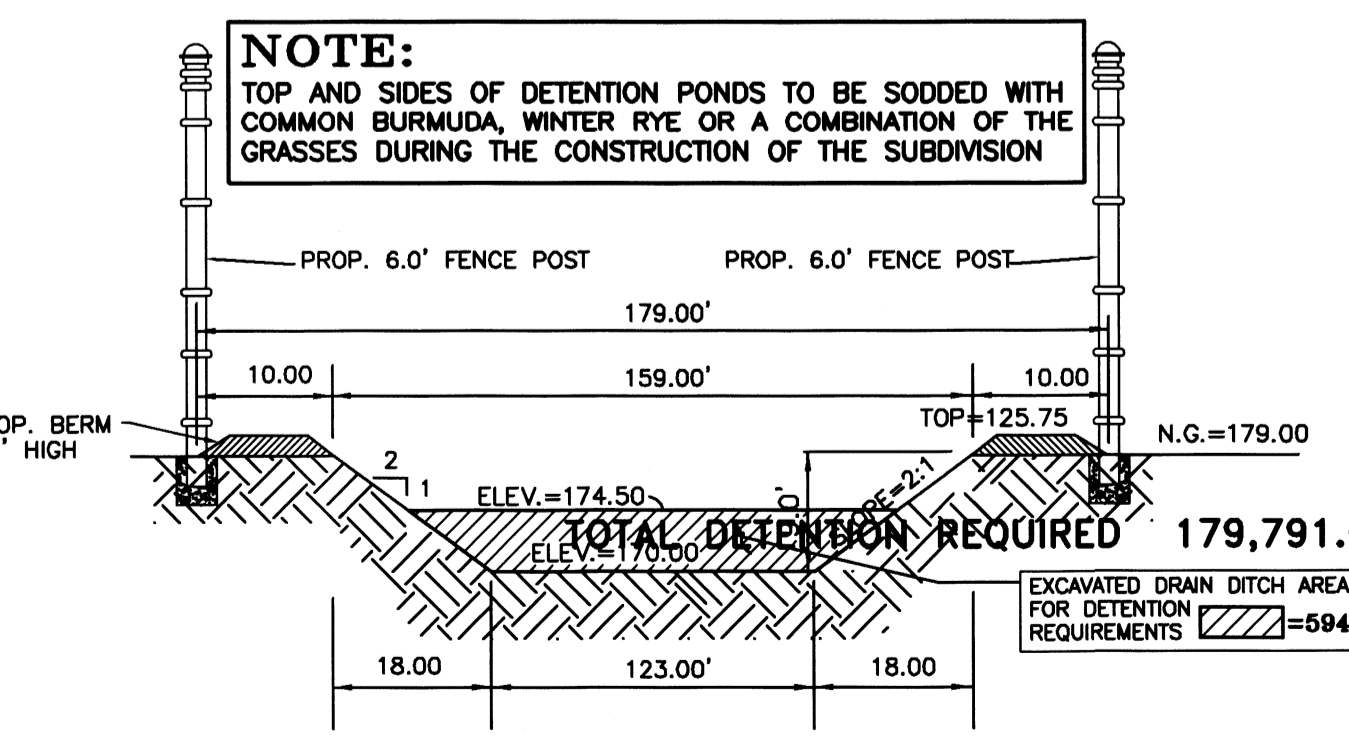
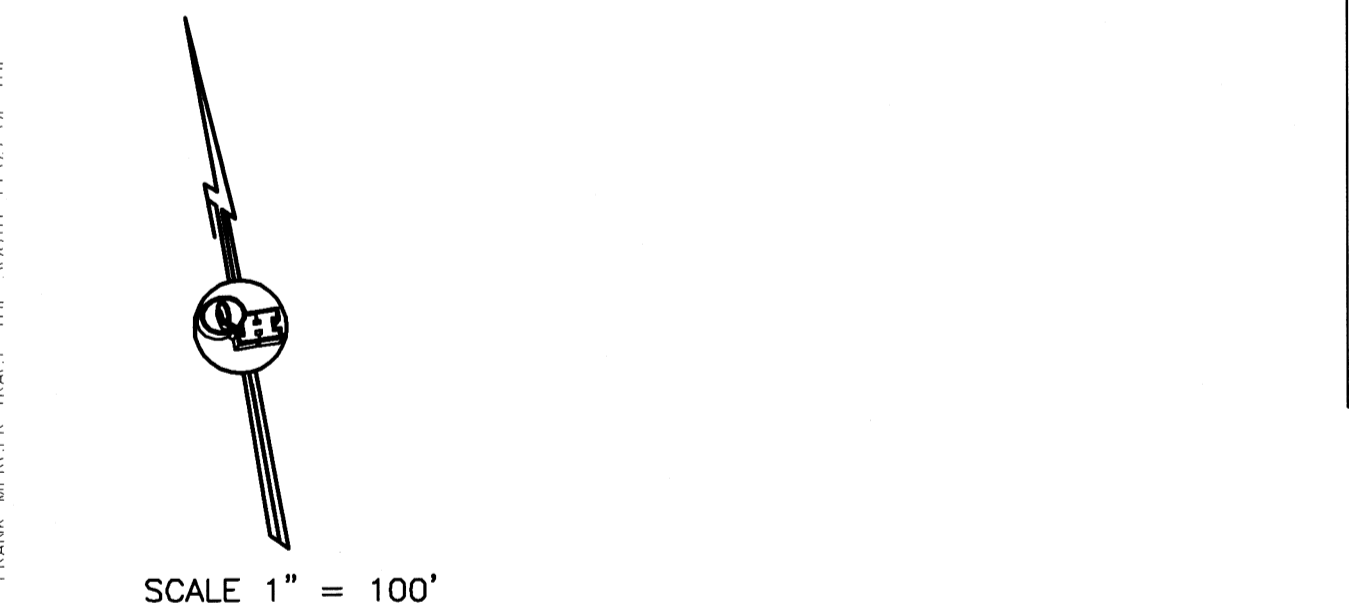
NOTES:
 T/C=TOP OF CURB

TIME OF CONCENTRATION
 AS PER TABLE 3-3, NCAEN STANDARD
 DESIGN GUIDE (PGS 19-20)
 $t_c = L/60V$
 $V = K_u k S_x^{0.5}$

$K_u = 3.28$
 $S_x = 0.05\% \quad k = 0.213 \text{ (overland)}$
 $S_x = 0.15\% \quad k = 0.619 \text{ (gutter)}$

LA HOMA CROSSING PH II

Length (overland)	Length (gutter)	Tc (overland)	Tc (gutter)	Total Tc	Velocity
DA1	293	505	31.26	10.70	41.96
DA2	458	505	48.86	10.70	59.57
DA3	365	250	38.94	5.30	44.24
DA4	413	250	44.06	5.30	49.36
DA5	365	400	38.94	8.48	47.42
DA6	413	400	44.06	8.48	52.54

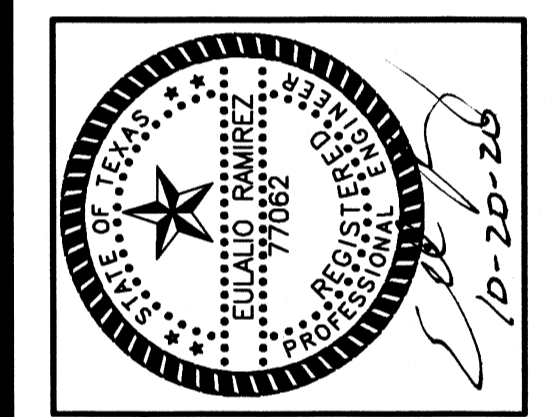


DETENTION AREA DETAIL "A-A"
TOTAL DETENTION REQUIRED 179,791.00 C.F.
DETENTION POND STORAGE 217,998.00 C.F.
 (594.0 S.F. x 367 L.F.)
 NOT TO SCALE

FILENAME: D:\DATA\SUBDIV\LA HOMA CROSSING SUBD. PLAN.dwg
 DATE PREPARED: NOV. 05, 2019
 DATE REVISION: NOV. 05, 2019
 PREPARED BY: JG
 CHECKED BY: JG
 APPROVED BY: JG

JOB NO.:
 DATE: NOV. 05, 2019
 REVISION: 10-20-20
 SCALE: 1"=100'
 DRAWN BY: JG
 SHEET: _____

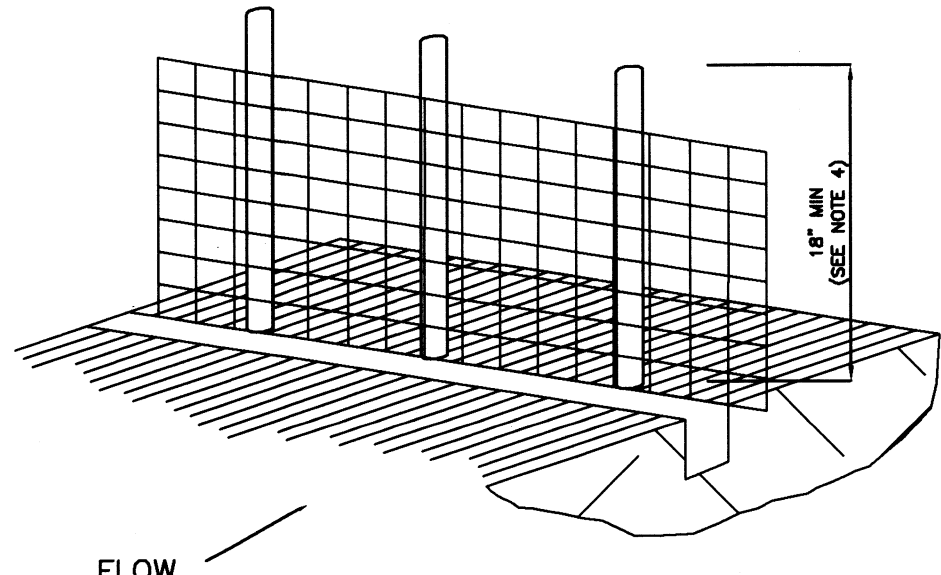
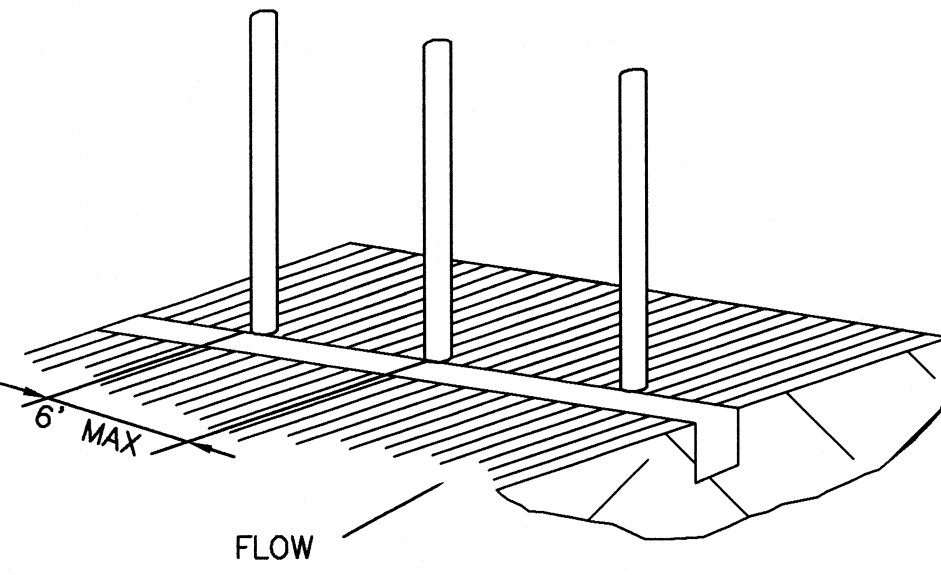
**LA HOMA CROSSING SUBDIVISION
 PHASE II
 PAVING AND DRAINAGE**



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

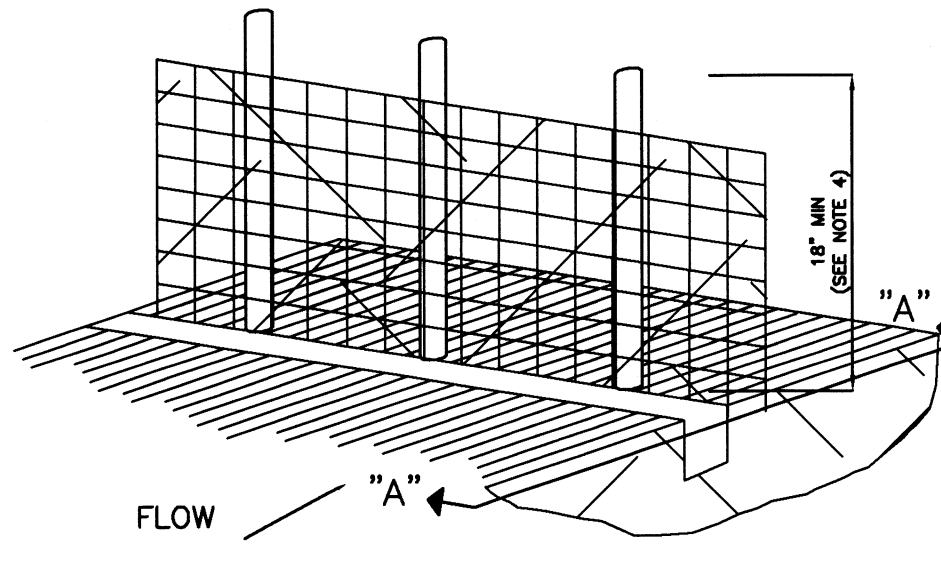
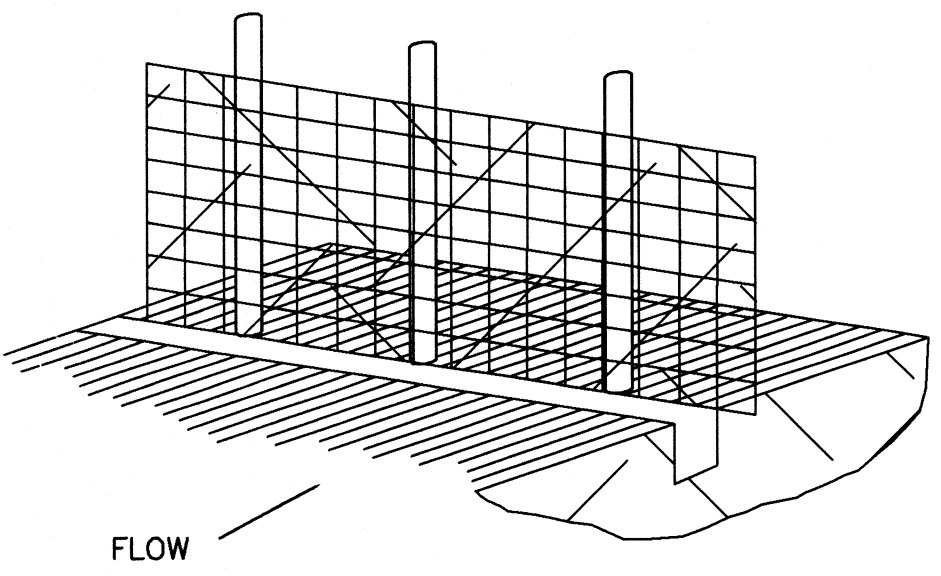
1. SET POSTS AND EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG LINE OF POSTS (SEE NOTE 1).

2. SECURE WIRE FENCING TO POSTS (SEE NOTE 2).

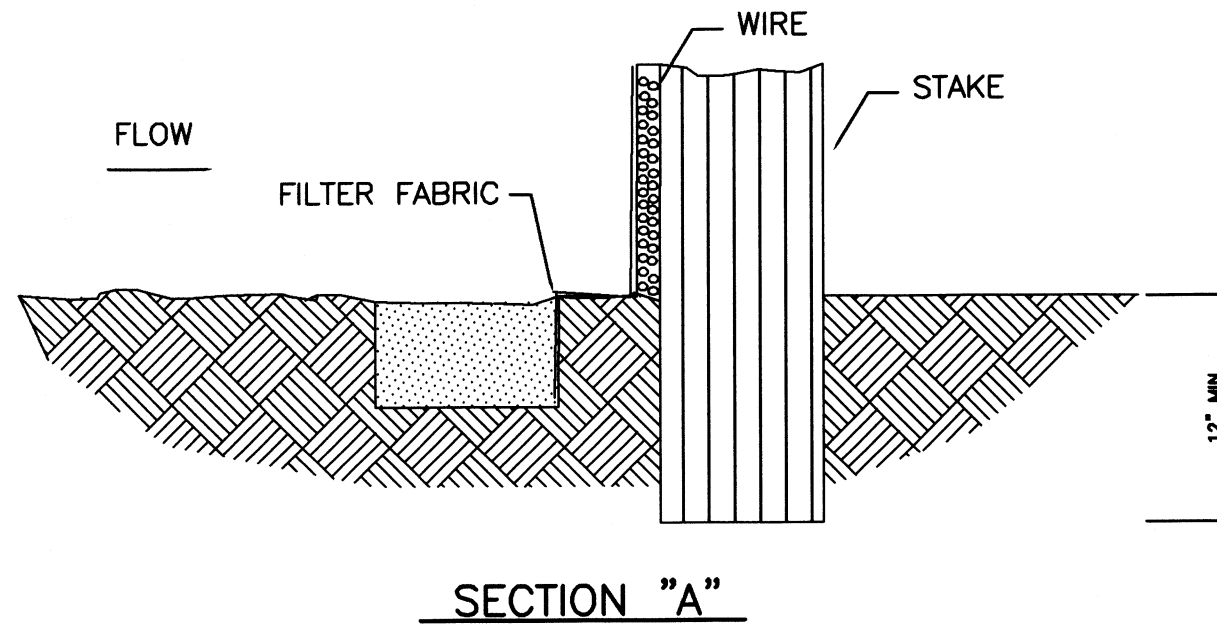


3. ATTACH FILTER MATERIAL TO WIRE FENCE AND EXTEND IT INTO THE TRENCH (SEE NOTE 3).

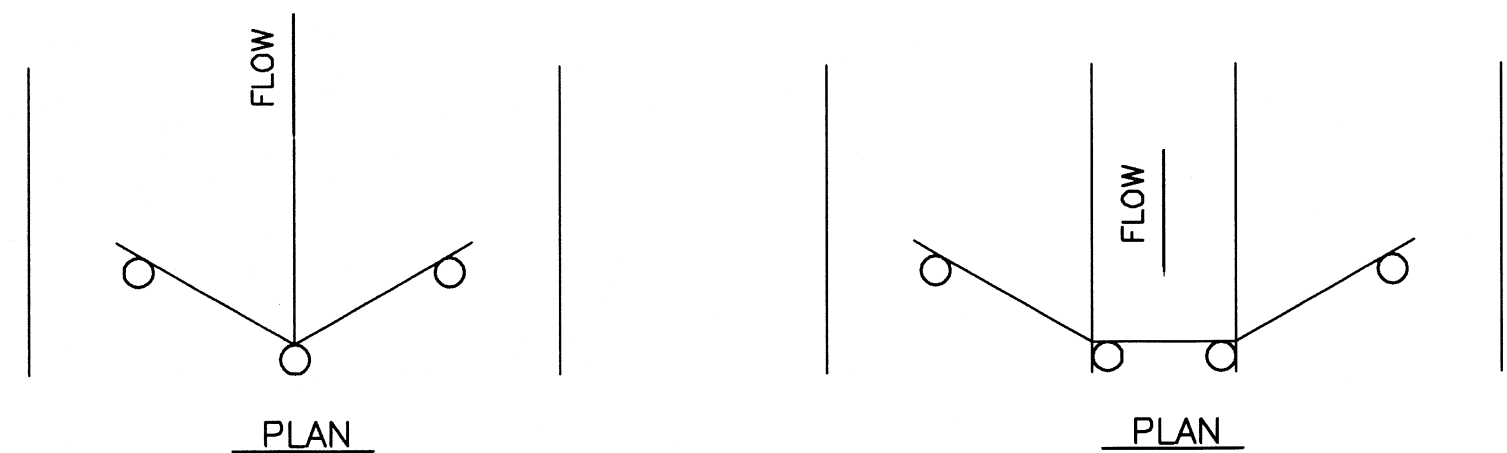
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



EXTENSION OF FABRIC INTO TRENCH



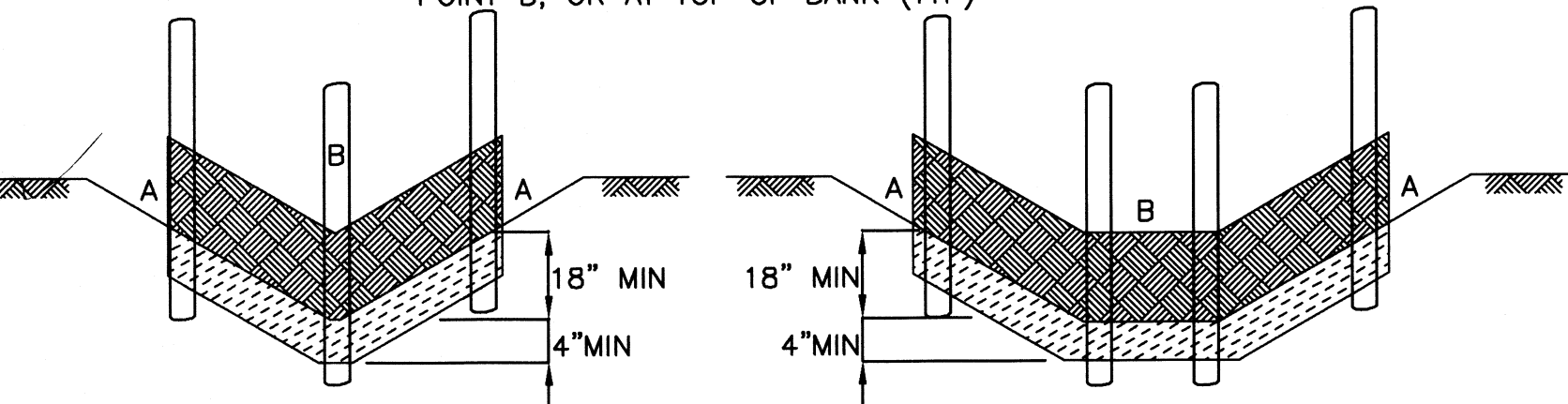
SECTION "A"



PLAN

PLAN

POINTS A SHOULD BE HIGHER THAN POINT B, OR AT TOP OF BANK (TYP)

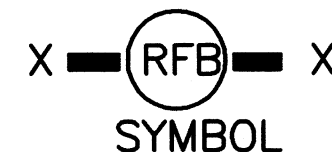


"V-DITCH" SECTION/ELEVATION

TRAPEZOIDAL SECTION/ELEVATION

CONSTRUCTION NOTES:

- 1.- SET IRON ROD 1/2" X 36" OR USE 4LVG3 36" POST SPACED A MAX OF 6 FEET APART AND EMBEDDED A MIN OF 12 INCHES.
- 2.- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH METAL TIES
- 3.- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE, WITH TIES SPACED EVERY 24 INCHES AT TOP AND MIDSECTION.
- 4.- MINIMUM HEIGHT OF FILTER SHOULD BE 18 INCHES AND A MAXIMUM OF 36 INCHES ABOVE NATURAL GROUND.
- 5.- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED 6 INCHES AT THE 1/2" IRON ROD OR 4LVG3 36" POSTS, AND FOLDED.
- 6.- SEE STANDARD SPECIFICATION FOR FILTER FABRIC BARRIER.

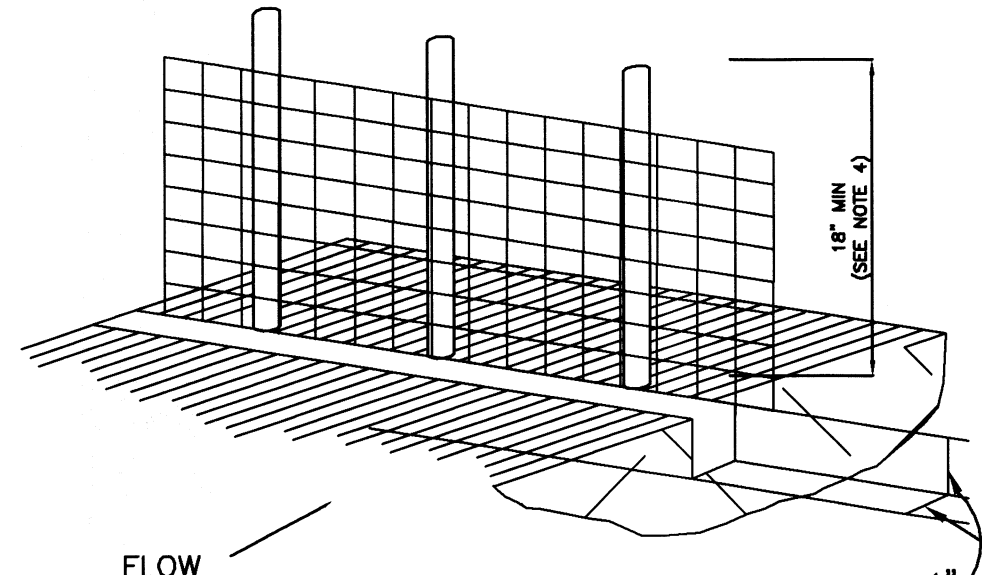
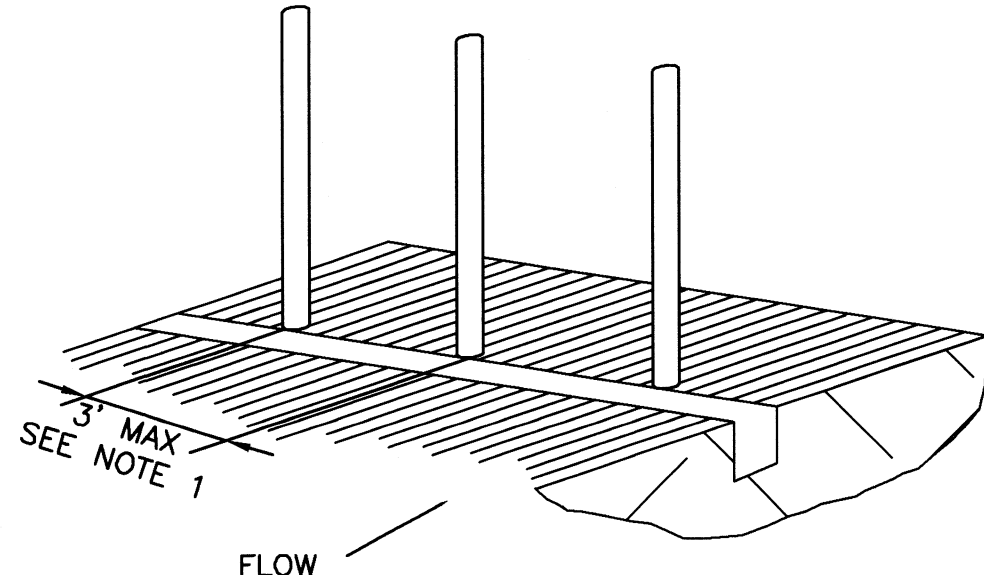


SYMBOL

REINFORCED FILTER FABRIC BARRIER

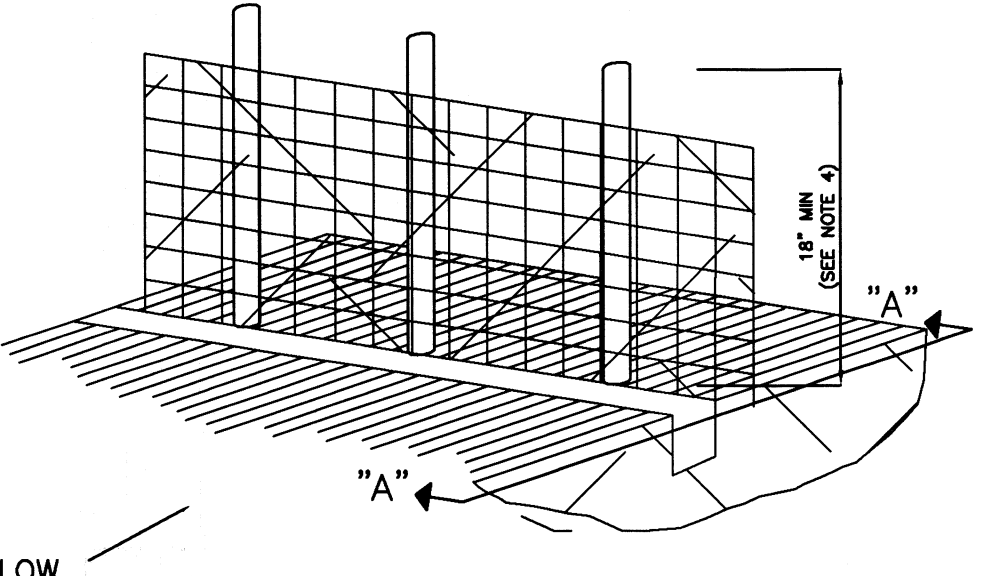
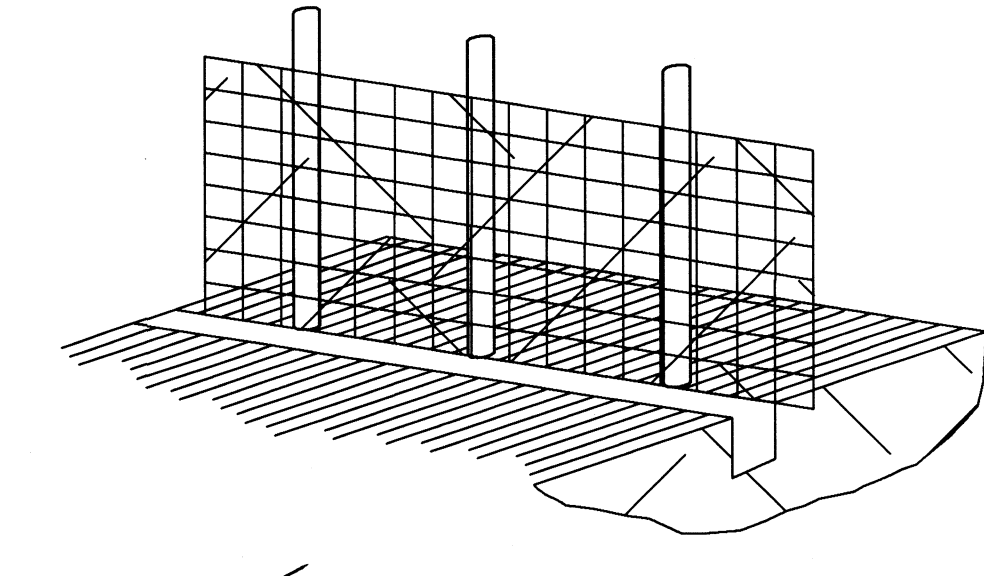
1. SET POSTS AT REQUIRED SPACING.

2. EXCAVATE A 4"x4" TRENCH UPSLOPE ALONG THE LINE OF STAKES.



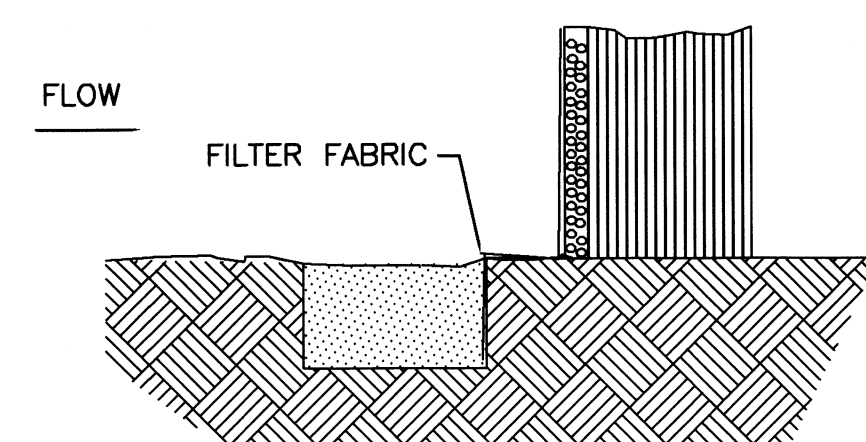
3. ATTACH FILTER MATERIAL TO STAKES AND EXTEND IT INTO THE TRENCH.

4. BACKFILL AND COMPACT THE EXCAVATED SOIL.

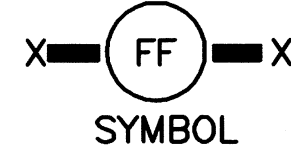


EXTENSION OF FABRIC INTO TRENCH

ALTERNATE V-TRENCH EXTENSION OF FABRIC INTO TRENCH



SECTION "B"



SYMBOL

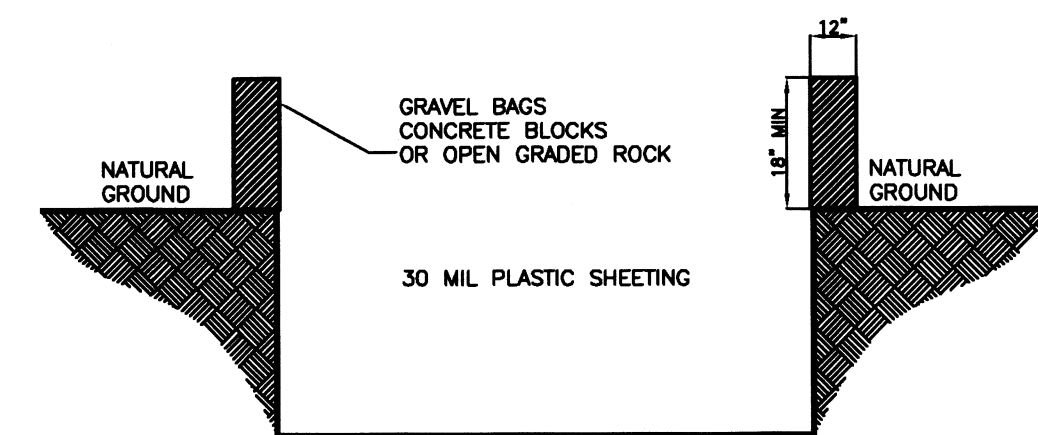
SECTION "B" ALTERNATE

CONSTRUCTION NOTES:

- 1.-IRON ROD 1/2" X 36" OR USE 4LVG3 36" POST TO BE SET AT MAX SPACING OF 3 FEET AND EMBEDDED A MINIMUM OF 8 INCHES. IF PREASSEMBLED FENCE WITH SUPPORT NETTING IS USED, SPACING OF POST MAY BE INCREASED TO 8 FEET MAX.
- 2.- ATTACH FILTER FABRIC TO IRON ROD 1/2" X 36" OR USE 4LVG3 36" POST FILTER FABRIC FENCE SHALL HAVE A MINIMUM HEIGHT OF 18 INCHES AND MAX HEIGHT OF 36 INCHES ABOVE NATURAL GROUND.
- 3.- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHOULD BE OVERLAPPED 6 INCHES AT THE 1/2" IRON ROD OR USE 4LVG3 36" POST, AND FOLDED.
- 4.- SEE STANDARD SPECIFICATION FOR FILTER FABRIC FENCE.

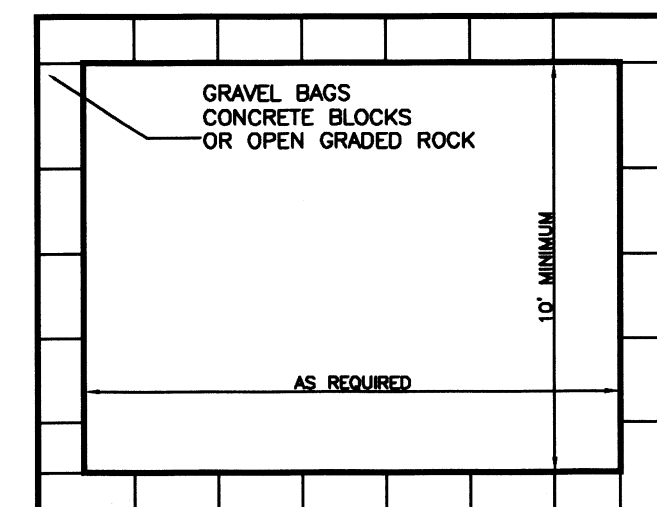
FILTER FABRIC FENCE

WASHOUT DETAIL

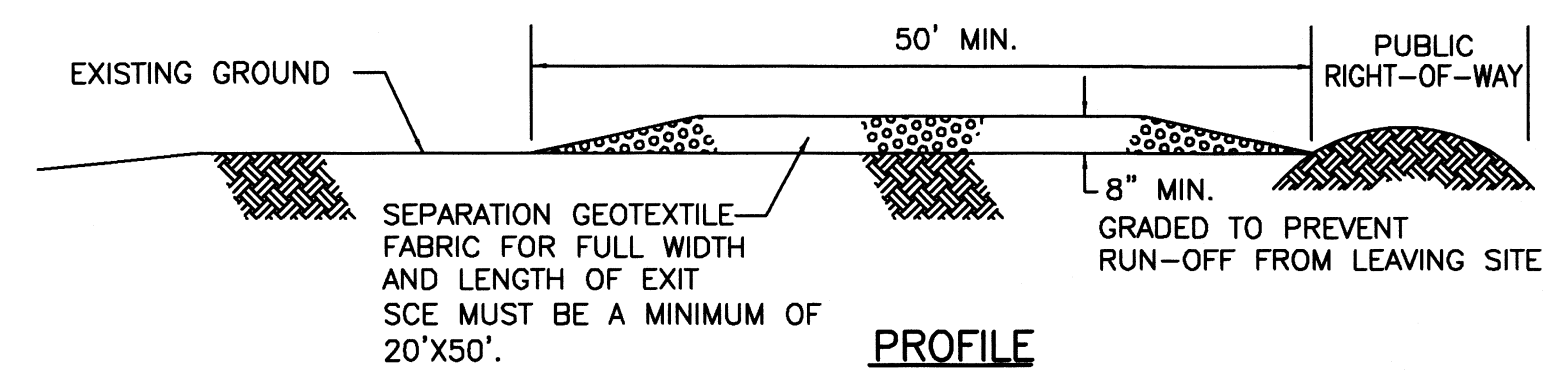


WASHOUT NOTES:

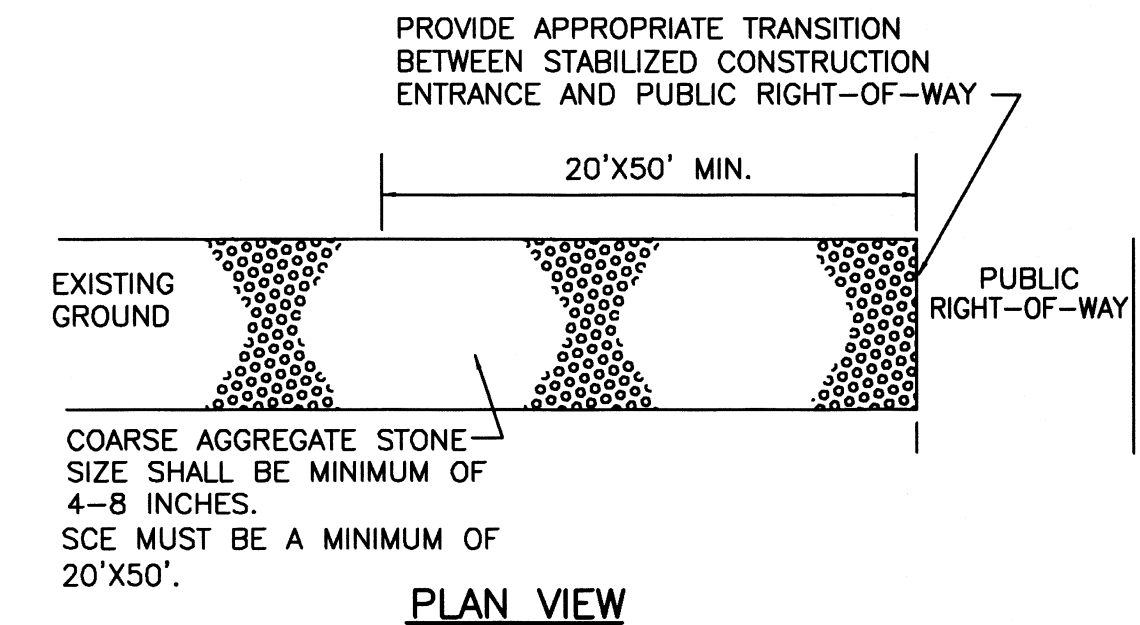
- 1.- THE EXCAVATION FOR THE CONCRETE TRUCK WASHOUT SHALL BE A MINIMUM OF 10' WIDE AND OF SUFFICIENT LENGTH AND DEPTH TO ACCOMMODATE 7 GALLONS OF WASHOUT WATER AND CONCRETE PER TRUCK PER DAY AND /OR 50 GALLONS OF WASHOUT WATER AND CONCRETE PER PUMP TRUCK PER DAY.
- 2.- IN THE EVENT THAT THE SELF-INSTALLED CONCRETE TRUCK WASHOUT IS CONSTRUCTED ABOVE GROUND IT SHALL BE 10' WIDE AND 10' LONG WITH THE SAME REQUIREMENTS FOR CONTAINMENT AS DESCRIBED IN ITEM 1.
- 3.- THE CONTAINMENT AREA SHALL BE LINED WITH 10 MIL PLASTIC SHEETING WITHOUT HOLES OR TEARS, WHERE THERE ARE SEAMS, THESE SHALL BE SECURED ACCORDING TO MANUFACTURER'S DIRECTION.
- 4.- THE PLASTIC SHEETING SHALL BE OF SUFFICIENT SIZE SO THAT IT WILL OVERLAP THE TOP OF THE CONTAINMENT AREA AND BE WRAPPED AROUND THE GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK AT LEAST 2 TIMES.
- 5.- THE GRAVEL BAGS OR CONCRETE BLOCKS SHALL BE PLACED ABUTTING EACH OTHER TO FORM A CONTINUOUS BERM AROUND THE OUTER PERIMETER OF THE CONTAINMENT AREA.
- 6.- THE BERM CONSISTING OF GRAVEL BAGS, CONCRETE BLOCKS OR OPEN GRADED ROCK SHALL BE NO LESS THAN 18" HIGH AND NO LESS THAN 12" WIDE.
- 7.- THE CONTAINMENT AREA SHALL NOT EXCEED 50% OF CAPACITY AT ANY ONE TIME.
- 8.- SOLIDS SHALL BE REMOVED FROM CONTAINMENT AREA AND DISPOSED OF PROPERTY AND ANY DAMAGE TO THE PLASTIC SHEETING SHALL BE REPAIRED OR SHEETING REPLACED BEFORE NEXT USE.



AS REQUIRED



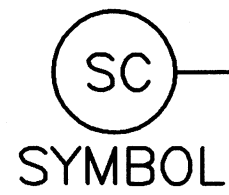
PROFILE



PLAN VIEW

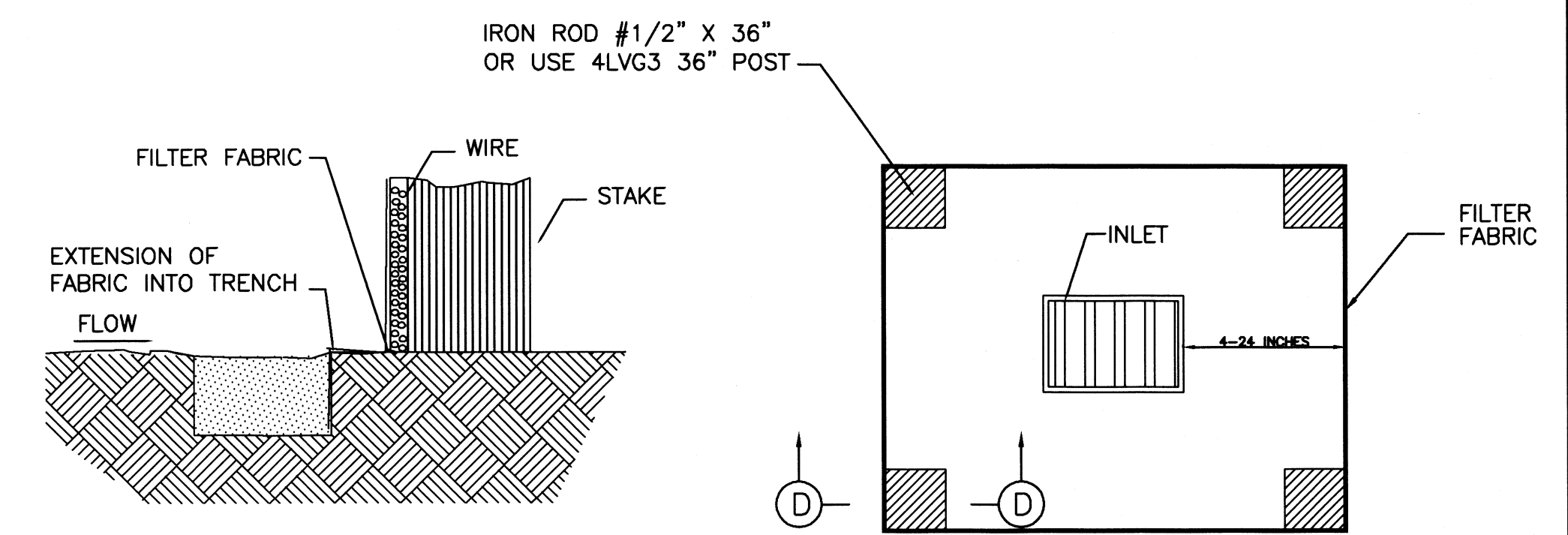
CONSTRUCTION NOTES:

- 1.- LENGTH SHALL BE AS SHOWN ON THE CONSTRUCTION DRAWINGS, BUT NOT LESS THAN 50 FEET.
- 2.- THICKNESS SHALL BE NOT LESS THAN 8 INCHES.
- 3.- WIDTH SHALL BE NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- 4.- STABILIZATION FOR OTHER AREAS HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT, UNLESS OTHERWISE SHOWN ON THE CONSTRUCTION DRAWINGS.
- 5.- STABILIZED AREA MAY BE WIDENED OR LENGTHENED TO ACCOMMODATE A TRUCK WASHING AREA. AN OUTLET SEDIMENT TRAP MUST BE PROVIDED FOR THE TRUCK WASHING AREA.
- 6.- SEE STANDARD SPECIFICATION FOR STABILIZED CONSTRUCTION EXIT.
- 7.- STABILIZED CONSTRUCTION EXIT SHALL BE MAINTAINED FREE OF SEDIMENT FOR THE DURATION OF THE PROJECT.



SYMBOL

STABILIZED CONSTRUCTION EXIT



SECTION D

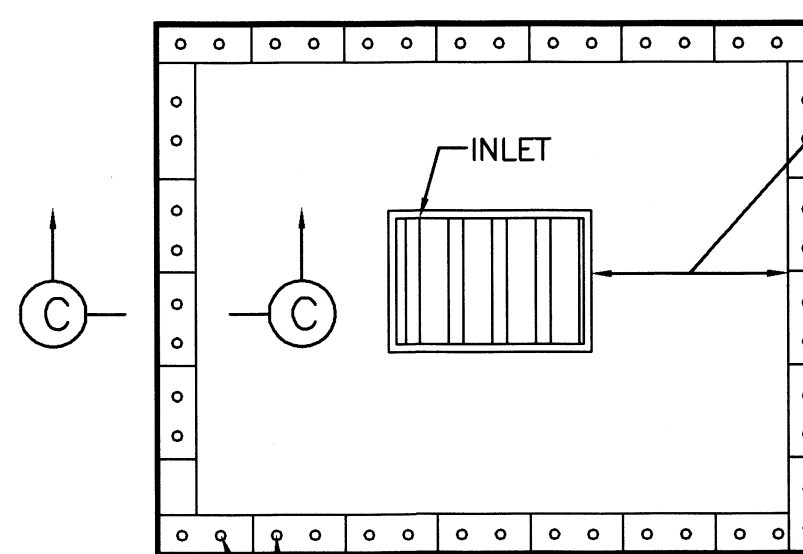
IPB SYMBOL

PLAN

SILT FENCE INLET PROTECTION BARRIER

CONSTRUCTION NOTE:

- 1.- SEE CONSTRUCTION NOTES FOR RFB.



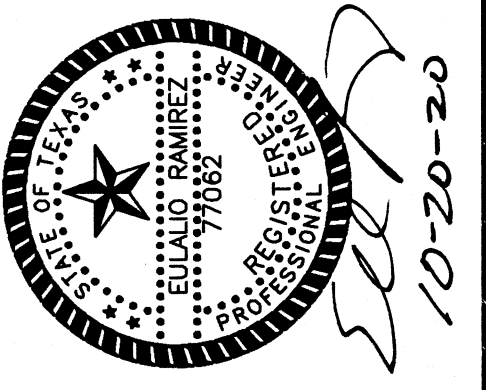
PLAN

IPB SYMBOL

STRAW BALE DROP INLET PROTECTION BARRIER

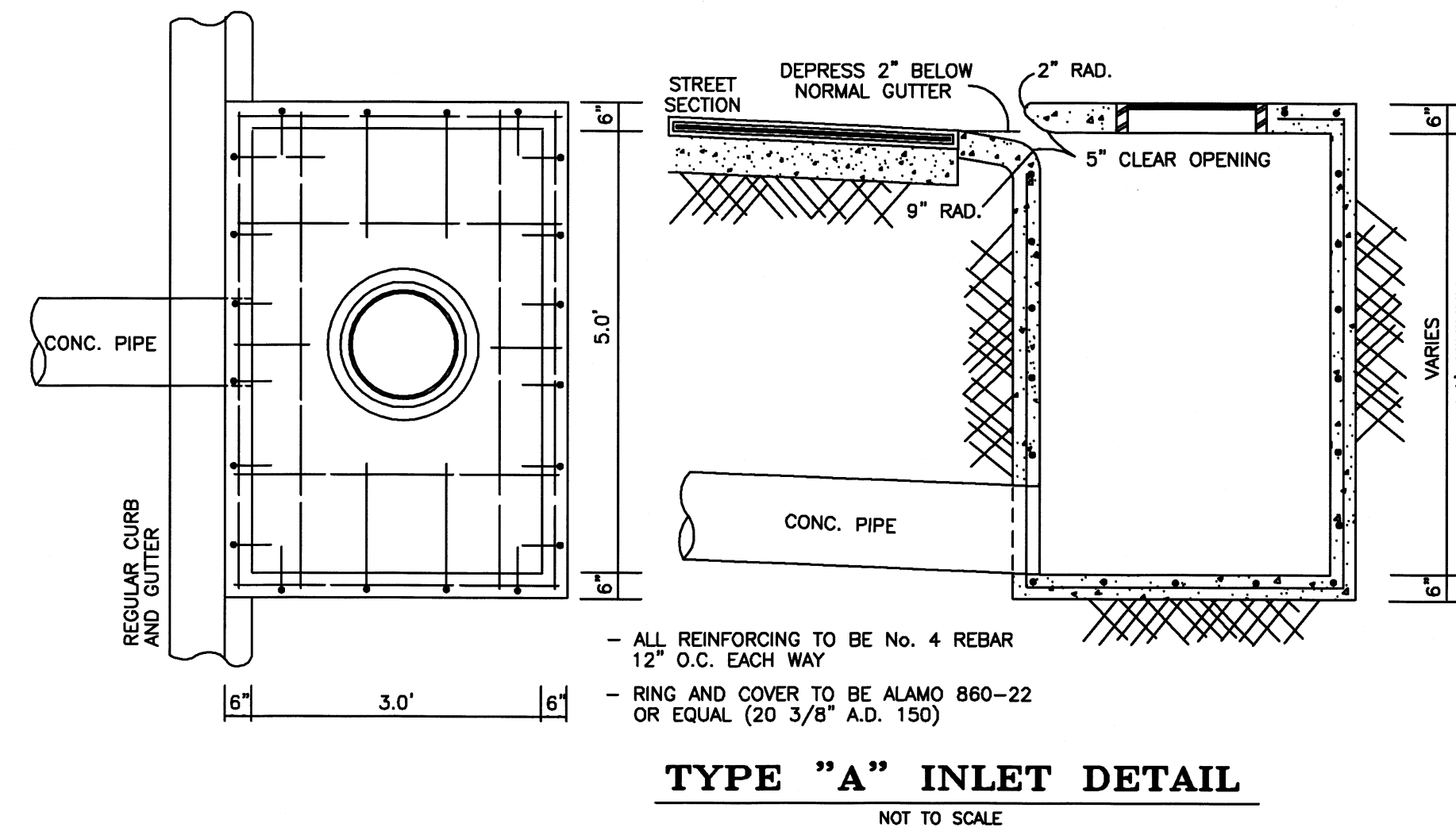
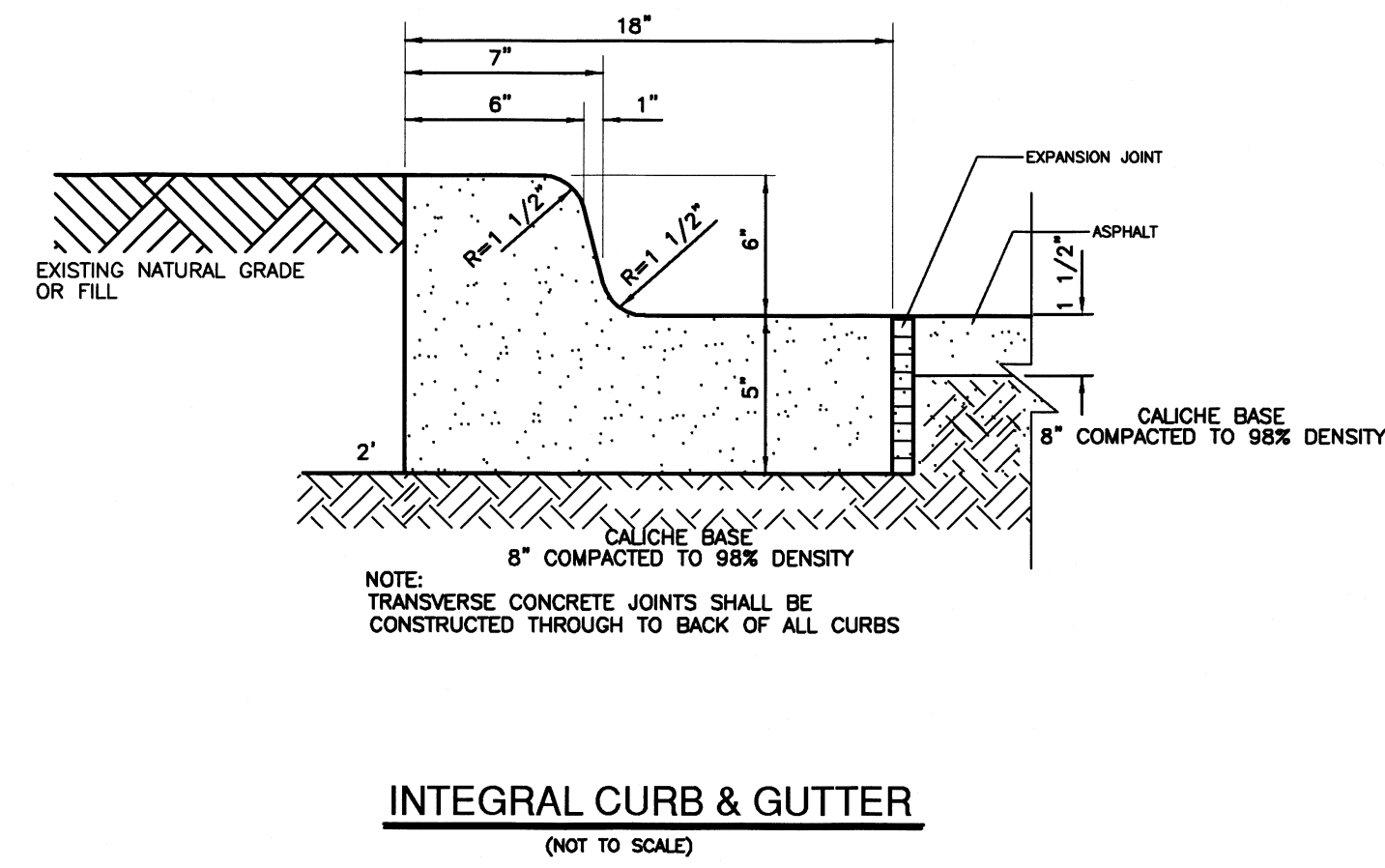
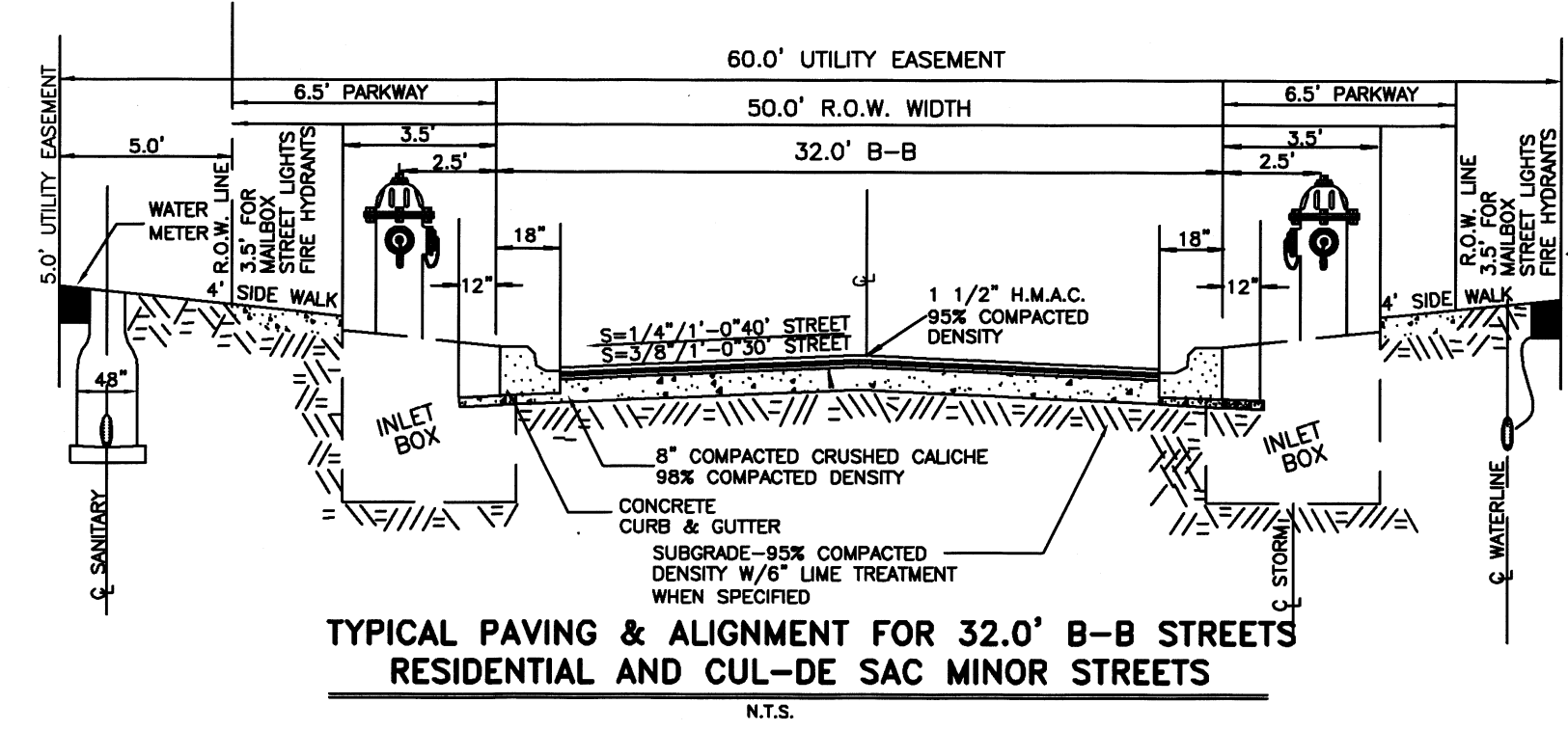
JOB NO.	NOV. 05, 2019
DATE	
REVISION	1"=100'
SCALE	JD
DRAWN BY	
SHEET	

LA HOMA CROSSING SUBDIVISION
PHASE II
EROSION CONTROL PLAN AND
POLLUTION PREVENTION
DETAILS



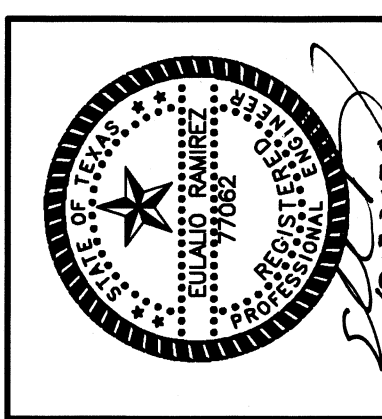
QUINTANILLA, HEADLEY AND ASSOCIATES, INC.
LAND SURVEYORS
PHONE 956-381-6480
FAX 956-381-0527
ALFONSO@QHA-ENG.COM

CONSULTING ENGINEERS
124 E. STUBBS ST.
EDINBURG, TEXAS 78539
REGISTRATION NUMBER F-1513



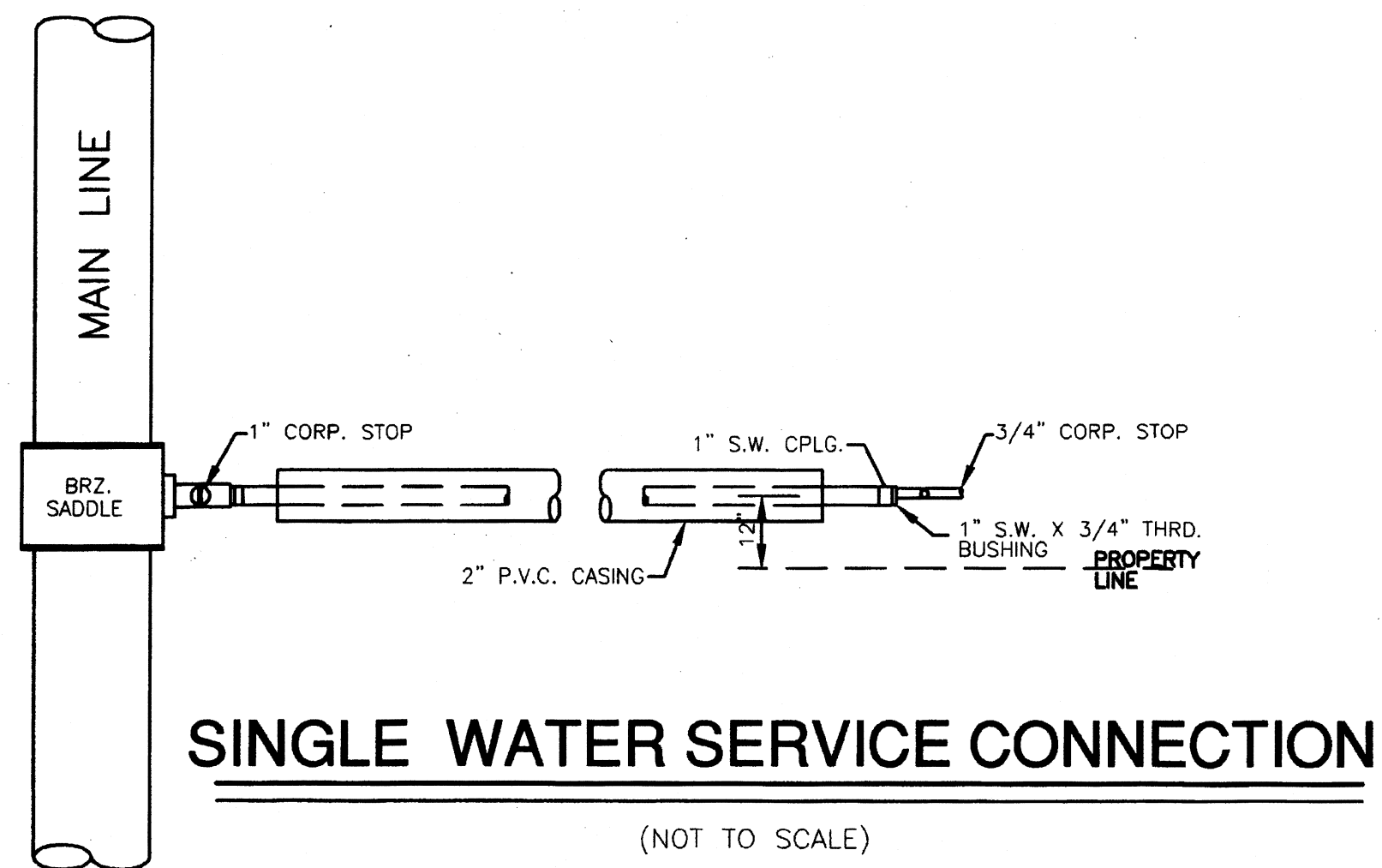
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DATE	JUNE 7, 2002
REVISION	_____
SCALE	_____
DRAWN BY	_____
SHEET	_____

**DETAIL SHEET
FOR THE CITY OF MISSION,
TEXAS.**



QUINTANILLA, HEADLEY AND ASSOCIATES, INC.
CONSULTING ENGINEERS · LAND SURVEYORS
124 E. STUBBS ST.
EDINBURG, TEXAS 78539
PHONE 956-391-6480
FAX 956-391-0527
OFFICE@QHENGINEERIN.COM

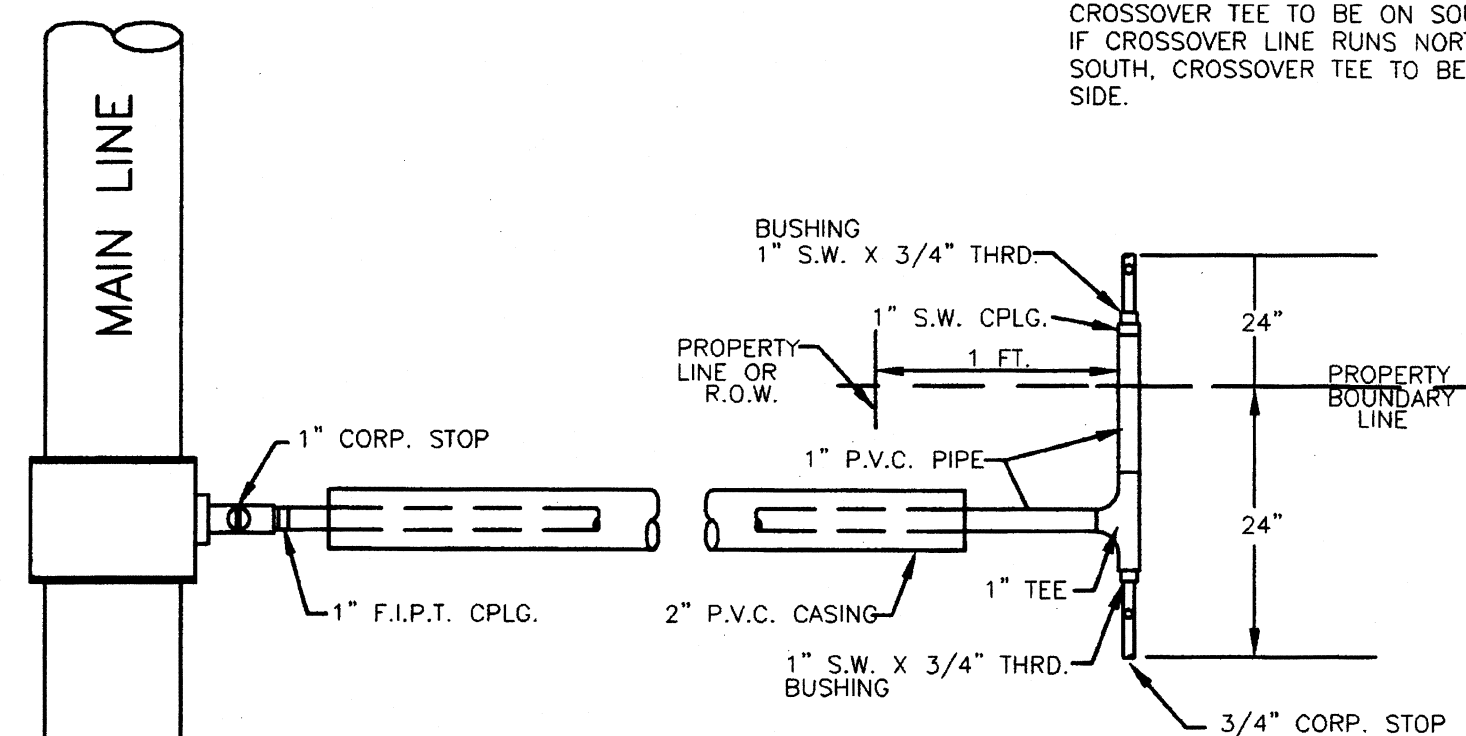
ENGINEERING REGISTRATION NUMBER F-1513
SURVEYING REGISTRATION NUMBER 100411-00



SINGLE WATER SERVICE CONNECTION

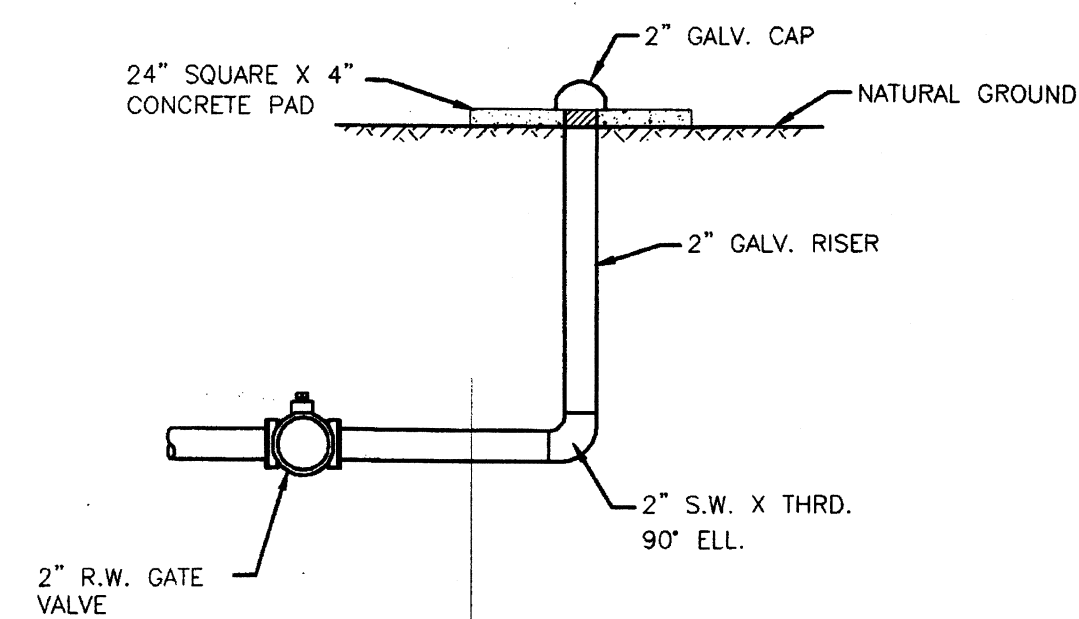
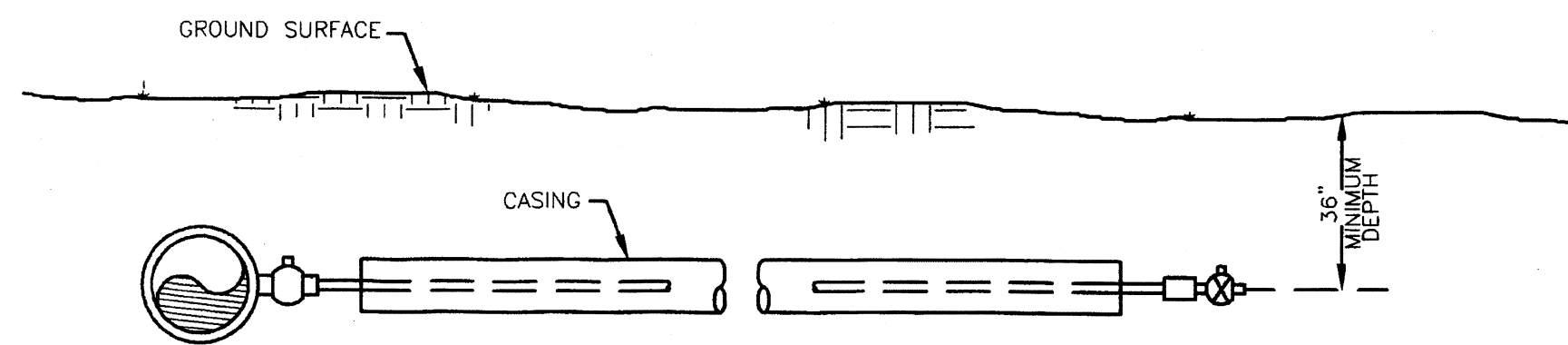
(NOT TO SCALE)

IF CROSSOVER LINE RUNS EAST TO WEST, CROSSOVER TEE TO BE ON SOUTH SIDE.
IF CROSSOVER LINE RUNS NORTH TO THE SOUTH, CROSSOVER TEE TO BE ON EAST SIDE.



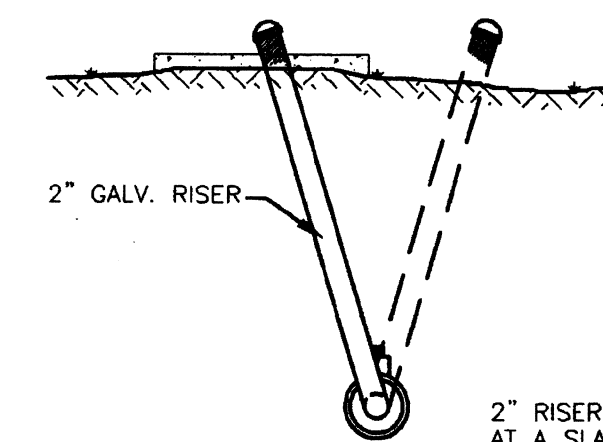
DUAL WATER SERVICE CONNECTION

(NOT TO SCALE)



SIDE VIEW

(NOT TO SCALE)



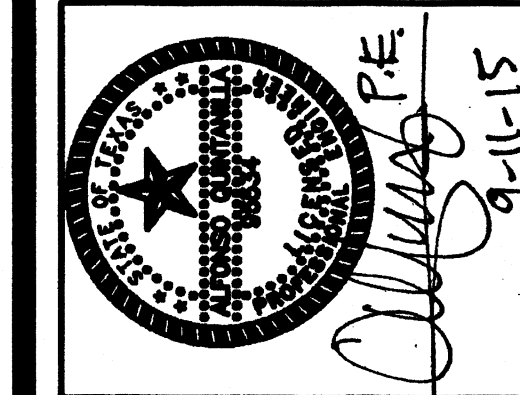
END VIEW

(NOT TO SCALE)

NEW STYLE FLUSH VALVE INSTALLATION

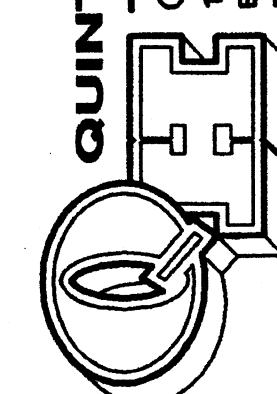
JOB NO.	DATE	REVISIONS	DRAWN BY	SCALE

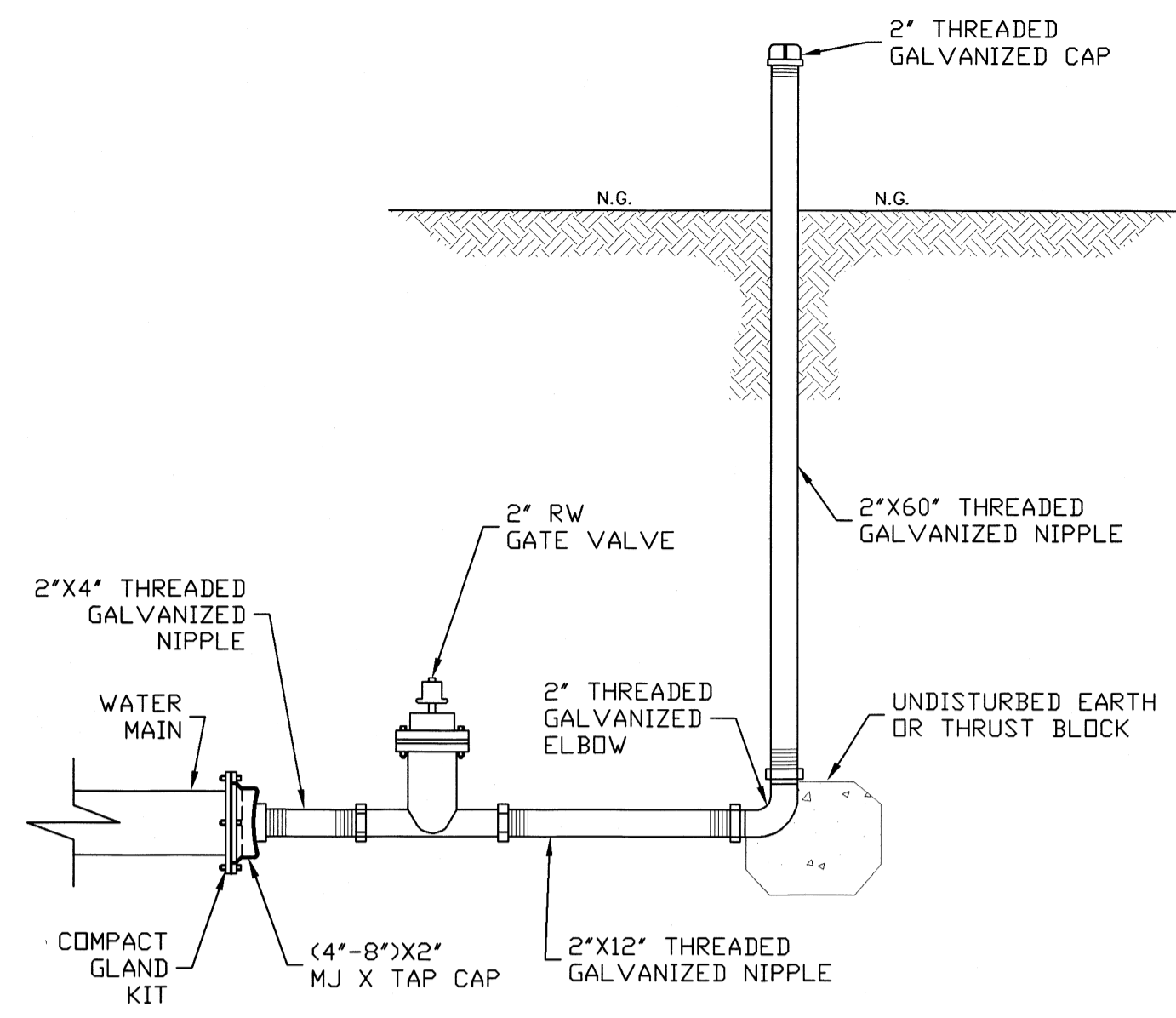
**SHARYLAND WATER
SUPPLY CORPORATION
(S.W.S.C)
DETAIL SHEET**



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

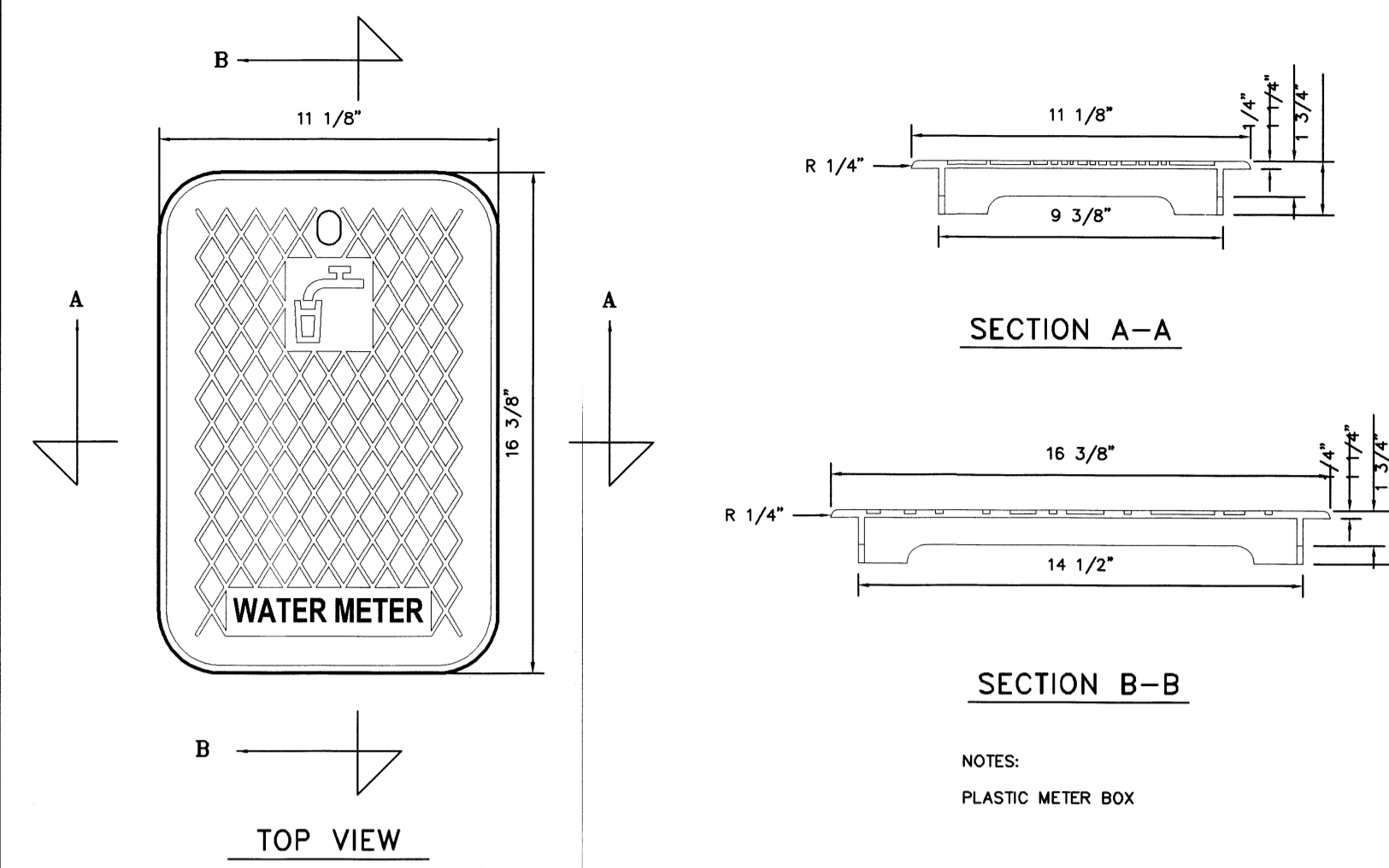
LAND SURVEYORS
PHONE 956-381-6480
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official@qhengineering.com
www.qhengineering.com



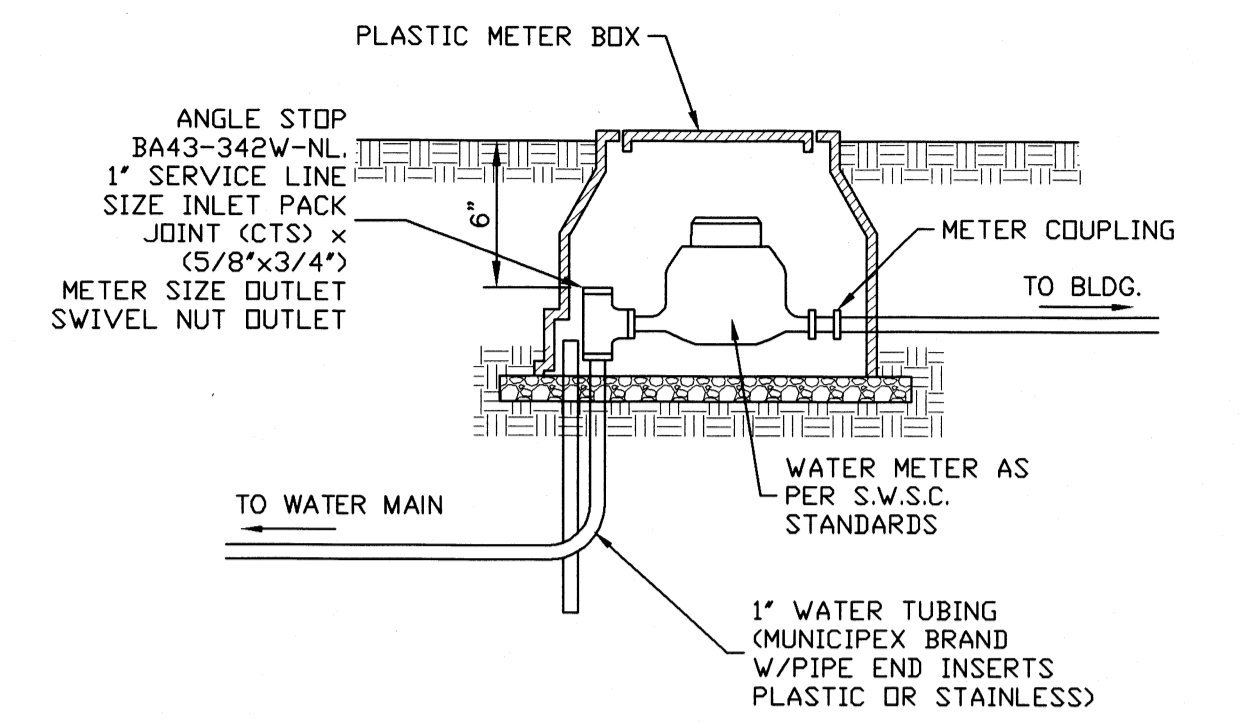


W-9 OMIT (FUTURE DETAIL USE)

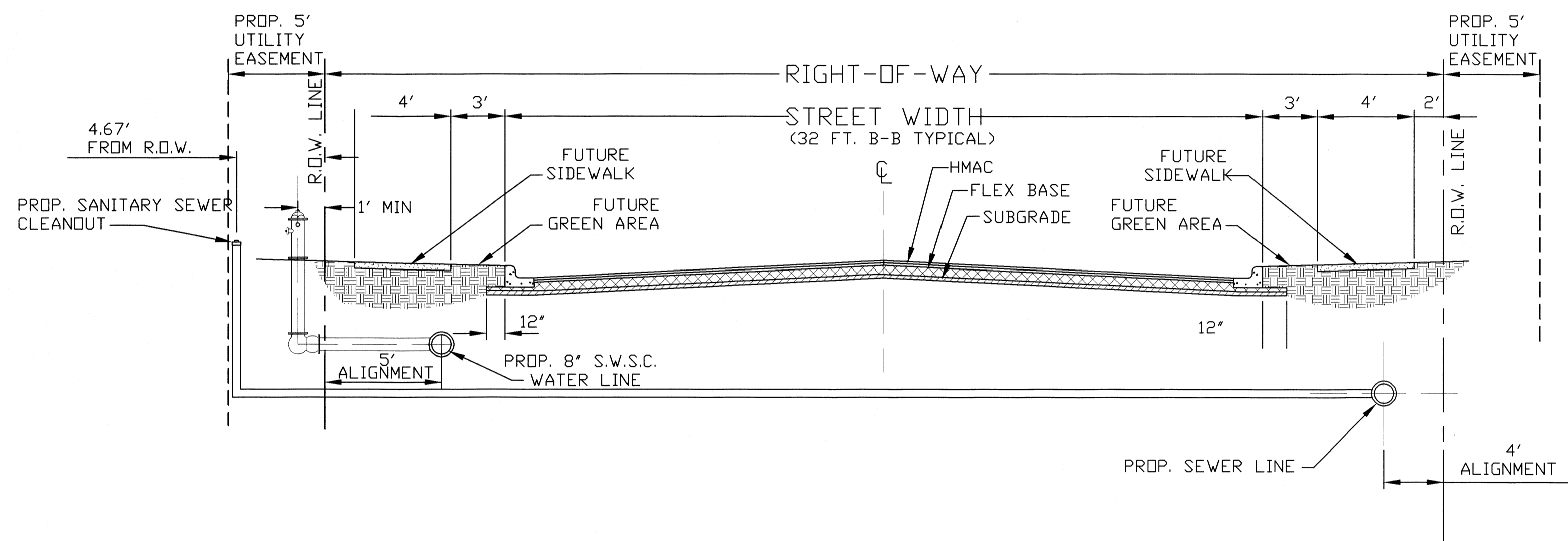
W-10 FLUSH VALVE DETAIL



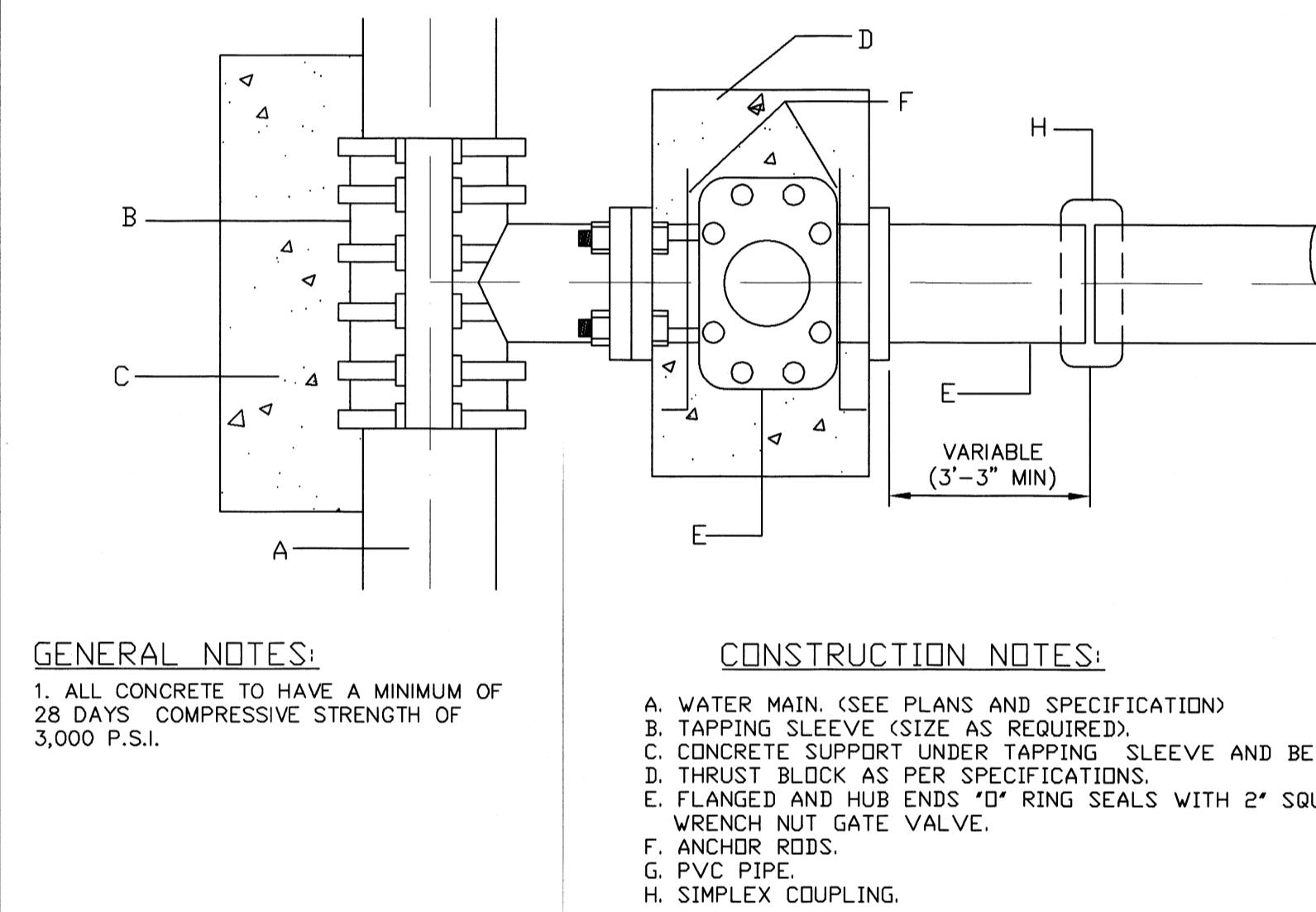
W-11 METER COVER DETAIL



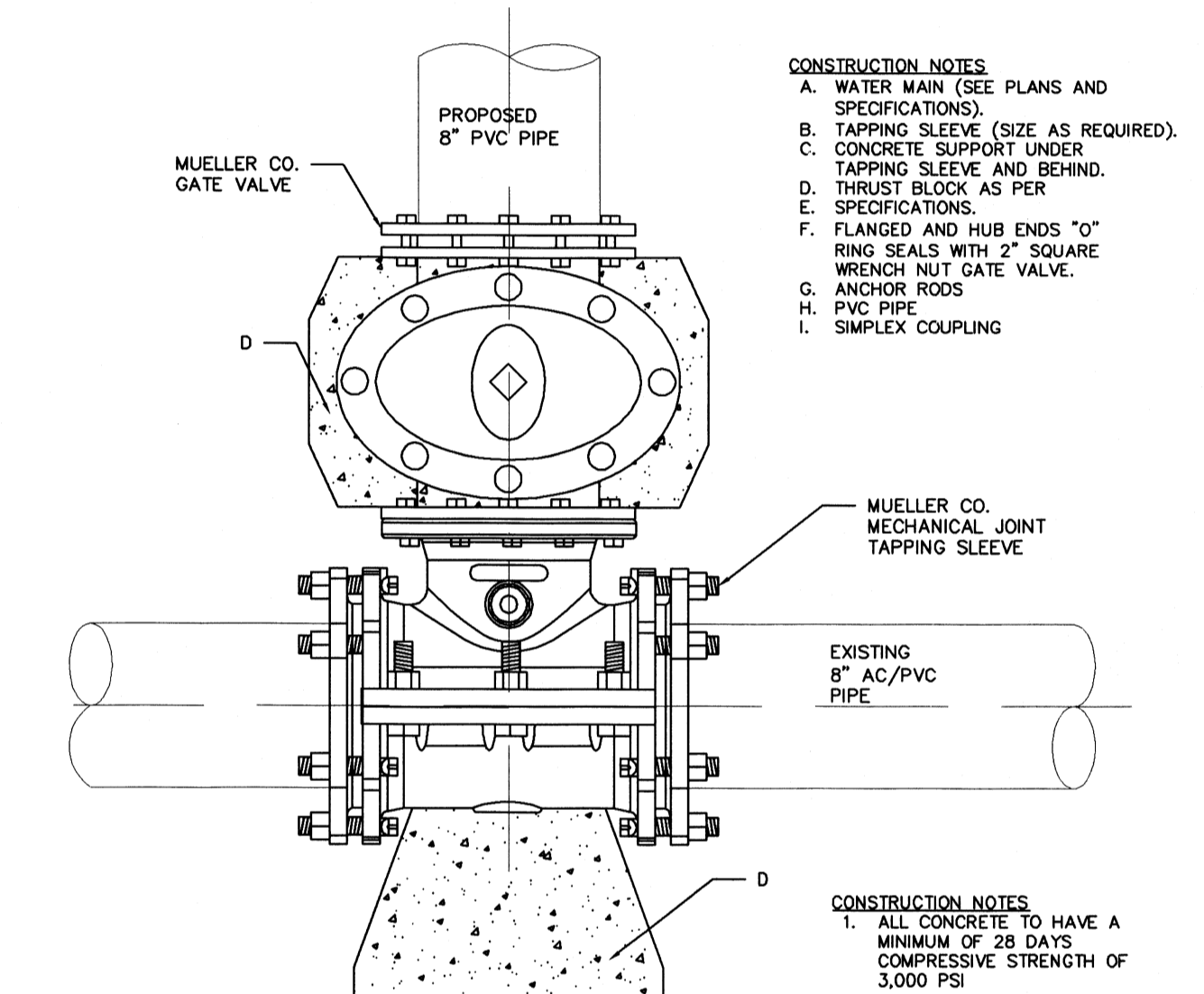
W-12 TYPICAL WATER METER INSTALLATION



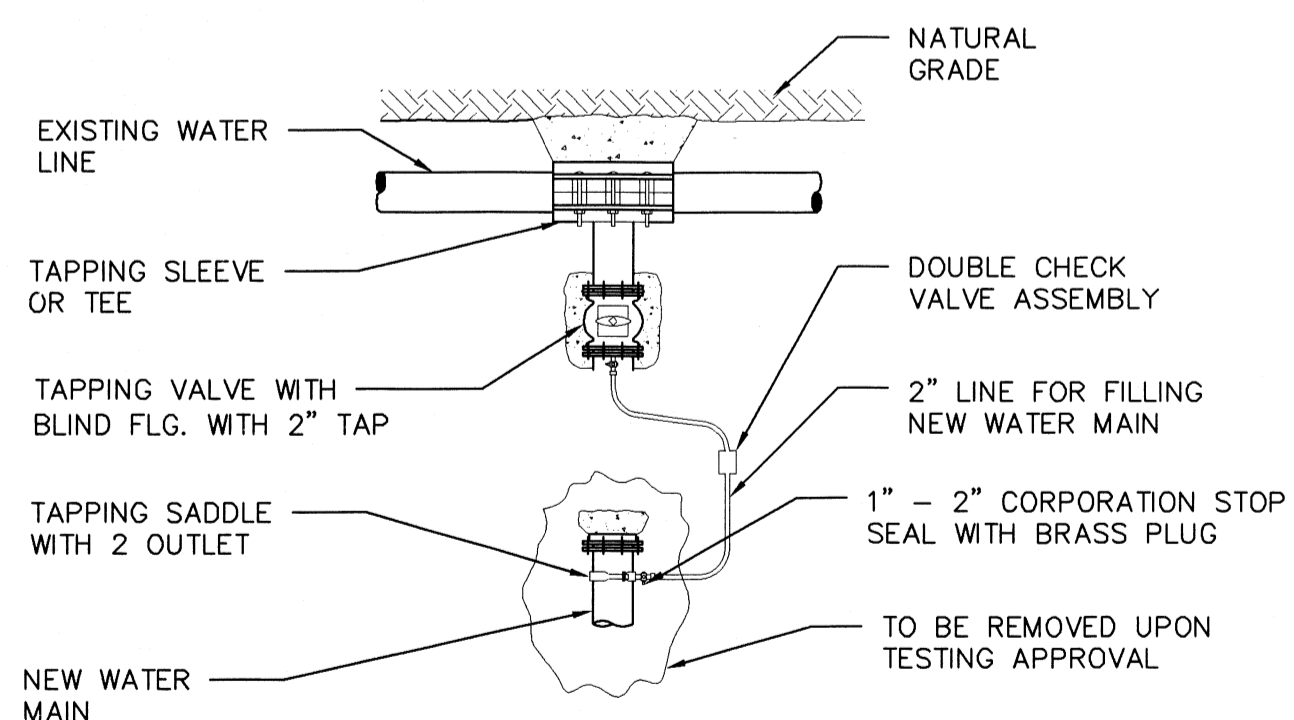
W-13 TYPICAL LOCAL STREET SECTION



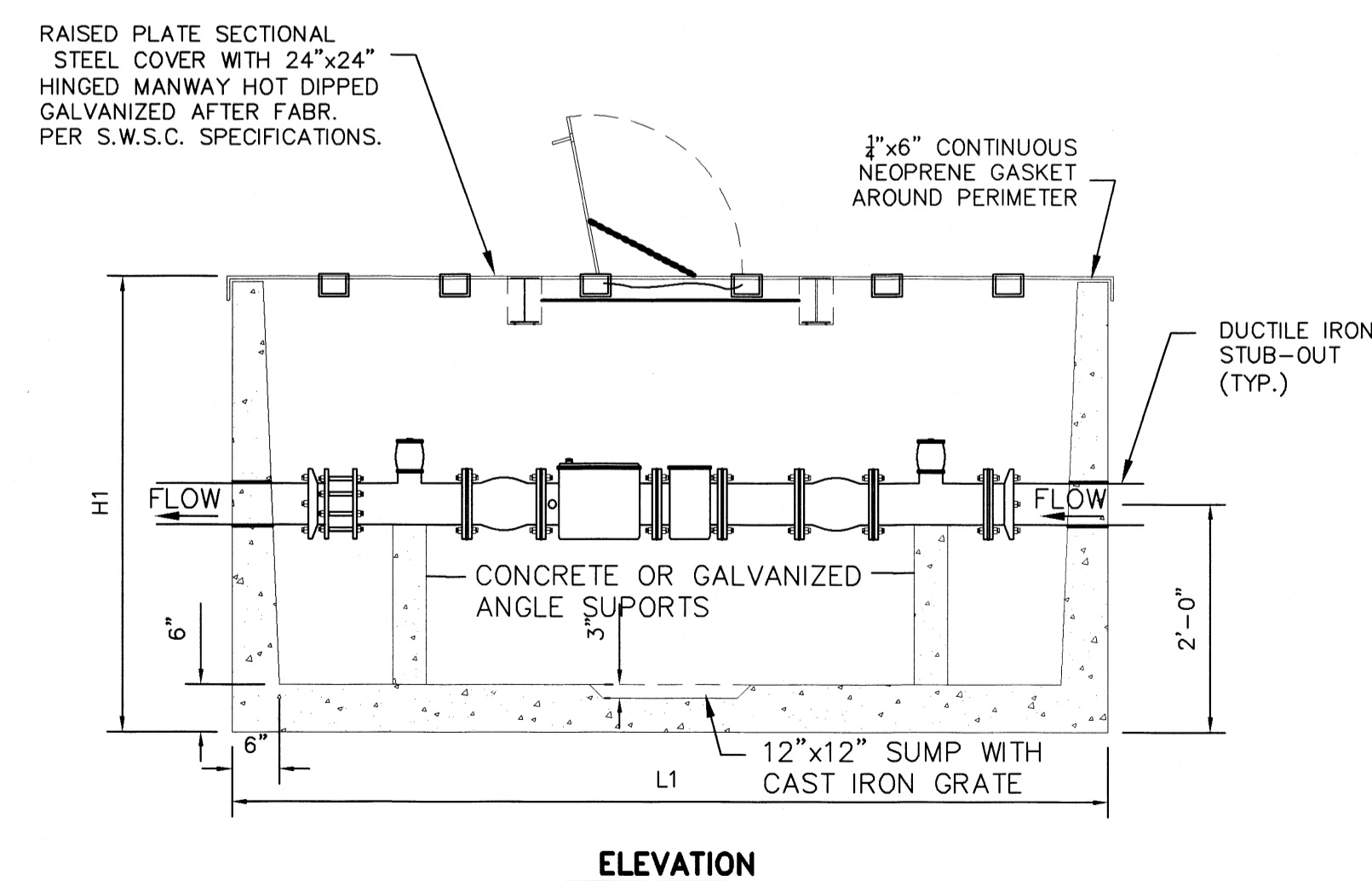
W-14 WATER TAPPING SLEEVE & VALVE INSTALLATION



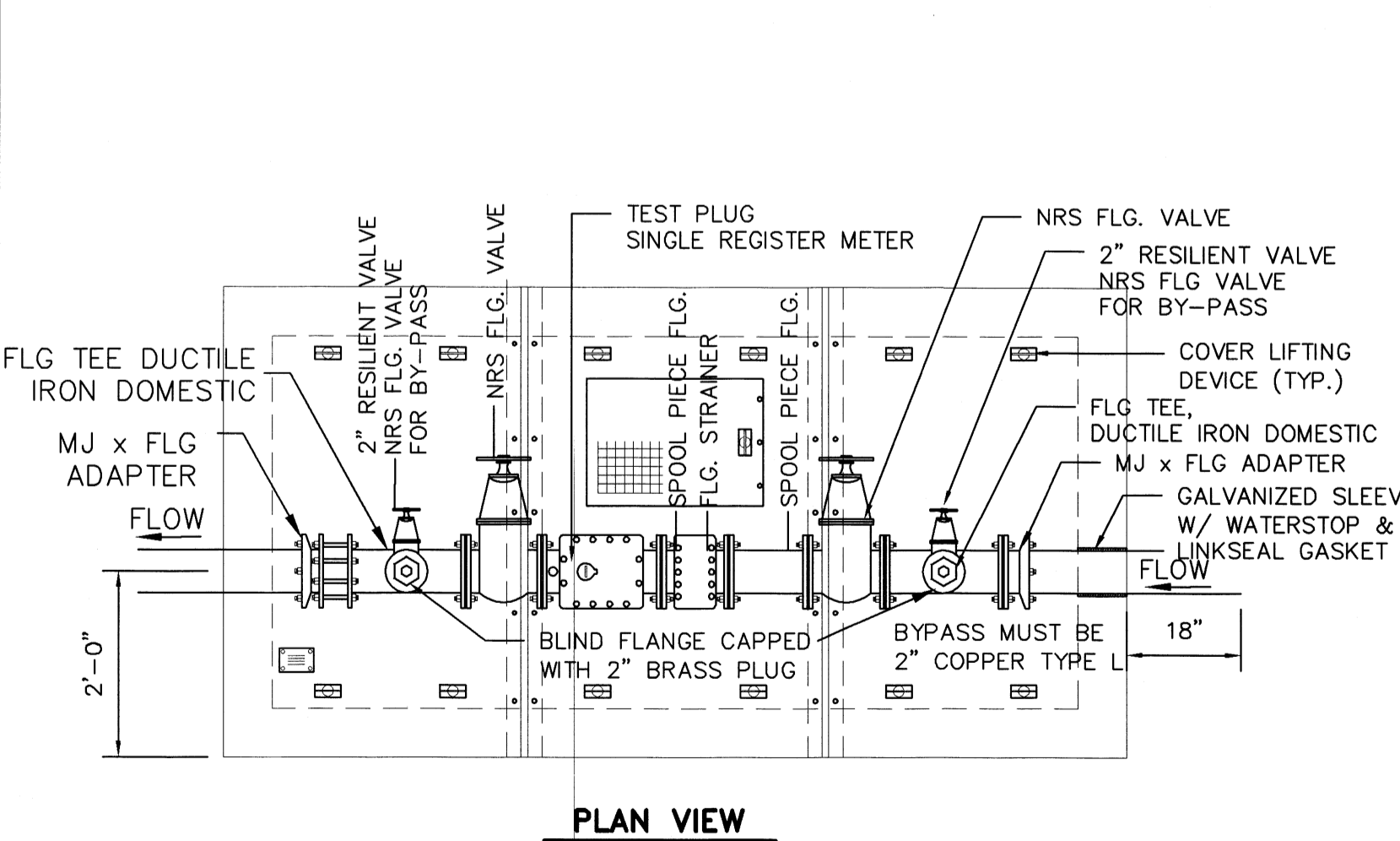
W-15 SAME SIZE WATER TAPPING SLEEVE AND VALVE INSTALLATION



W-16 METHOD FOR FILLING NEW WATER LINES PRIOR TO CHLORINATION AND TESTING



W-17A METER VAULT DETAILS



W-17B METER VAULT DETAILS

SPECIFICATIONS:
 CONCRETE: CLASS 1 CONCRETE WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT OF MONOLITHIC CONSTRUCTION AT FLOOR AND FIRST STAGE OF WALL WITH SECTIONAL RISER TO REQUIRED DEPTH.
 REINFORCEMENT: GRADE 60 REINFORCED. STEEL REBAR CONFORMING TO ASTM A615 ON REQUIRED CENTERS OR EQUAL.
 STEEL COVER: ALL STEEL FABRICATION SHALL BE IN ACCORDANCE TO AWA D1.1. STEEL SHALL BE ASTM A36 CARBON STEEL, AND HOT DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE TO ASTM A 123. STANDARD COVER IS RATED FOR 50 PSF.
 ENGINEERING DATA: THE METER ASSEMBLY SHALL BE FACTORY ASSEMBLED IN VAULT & HYDROSTATICALLY TESTED PRIOR TO DELIVERY. FIELD EXCAVATION & PREPARATION SHALL BE COMPLETE PRIOR TO DELIVERY. PIPE, VALVES AND FITTINGS OF THE ASSEMBLY SHALL BE APPROVED BY ONE OR MORE OF THE FOLLOWING ASSOCIATIONS: AMERICAN WATER WORKS ASSOCIATION, UNDERWRITERS LABORATORIES, UNIFORM PLUMBING CODE, AMERICAN SOCIETY OF SANITARY ENGINEERING.

MODEL	SIZE	BY PASS	L1	W1	H1	WEIGHT LBS
DMCCOH3	3"	2"	11'-6"	6'-0"	4'-3"	14,500
DMCCOH4	4"	2"	11'-6"	6'-0"	4'-3"	15,000
DMCCOH6	6"	4"	13'-6"	6'-0"	4'-3"	15,500

W-17C METER VAULT GENERAL NOTES

