



**Hidalgo County
Planning
Department**

T.J. Arredondo, CFM
Director of Planning

Main Office
1304 S. 25th Street
Edinburg, Texas 78542
Phone (956) 318-2840
Fax (956) 318-2844

Precinct No. 3 Substation
2401 N. Moorefield Road
Mission, Texas 78572
Phone (956) 205-7045
Fax (956) 205-7049

PIPELINE AND UTILITY PERMIT APPLICATION PACKET

THE STATE OF TEXAS

COUNTY OF HIDALGO

PRECINCT 4

**APPLICATION AND AGREEMENT FOR PIPELINE OR
UTILITY PERMIT**

Date: 01/20/21

North Alamo Water Supply Corp. (hereinafter referred to as "Applicant") does hereby make application to the Hidalgo County through the Hidalgo County Planning Department (hereinafter referred to as "HCPD") to construct, maintain and repair pipelines or utilities across the easements, right-of-ways, property or property interest as described below.

Information required:

1. Name, Address and Phone number of Applicant:
North Alamo Water Supply Corp. 420 S Doolittle Rd. Edinburg, Tx
(956)383-1618 Angelica Hinojosa
2. Name, Address and Phone number of company or agency owning Pipeline or Utility (please indicate if same as Applicant):
Same
3. Name, Address and Phone number of operator of Pipeline or Utility (please indicate if same as Applicant):
Same
4. Name, Address and Phone number of contractor to install Pipeline or Utility:
Same



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1900 Joe Stephens Ave. Ste. A
Weslaco, Texas 78596
Phone (956) 968-4734
Fax (956) 973-7850

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5. Is this a common carrier pipeline or utility? If yes, please submit the Applicant's Texas Railroad Commission Form "T-4" or similar form designating the facility:

No

6. Does Applicant have the Power of Eminent Domain?

No

7. Will the product be carried for hire or by the owner of the goods? NAWSC pipeline carries potable water for domestic use by the end user.

8. Name and Legal description of property owner requesting utility services if applicable:

2.24 AC out of the North 135.7 of the South 407.1 of the West 360 of lot 13 block 64 alamo land and sugar company LT.

9. Type of utility work within county road right-of-way:

Bore Crossing Line Extension Along R.O.W. Other _____

10. Where is the origin of the line?

Intersection of E Texas Rd and S Alamo Rd

11. Where is the destination of the line?

The proposed line will be East of Alamo Rd and North of Texas Rd.



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12. Utility Crossing Coordinate X: 26.282170 Y: -98.106250
(NAD 83 Texas South FIPS 4205 feet)
13. Number and size of lines:
One 6" Water Line
14. Pressure (each line):
Maximum ~~Minimum~~ of 150 PSI
15. Content (each line):
Potable water for domestic use.
16. Estimated date of installation of Pipeline or Utility:
AS SOON AS APPROVED BY COMMISSIONERS CABINET.



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18. This permit constitutes the entire agreement between the parties with regard to the subject matter hereof, and all prior agreements, representations, and negotiations between the parties regarding the subject matter are hereby superseded. This permit shall not be altered or amended except by an agreement in writing executed by the parties hereto.

19. Applicant warrants and represents that its undersigned representative has full authority to bind Applicant to the terms and conditions of the foregoing Application and Agreement for Pipeline or Utility Permit.

DATED this 27th day of January, 2021

Angelica Hinojosa
(Name of Applicant – Printed or Typed)

By: *Angelica Hinojosa*
Signature

Title: New Accounts Supervisor

STATE OF TEXAS
COUNTY OF HIDALGO

SUBSCRIBED AND SWORN TO before me the Applicant,
Angelica Hinojosa, on this 27th day of January, 2021,
to which witness my hand and seal of office.



Susan J. Headley
Notary Public for the State of Texas

My Commission Expires: 6/26/2021



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**APPROVAL OF APPLICATION BY
HIDALGO COUNTY PLANNING DEPARTMENT**

Came on for consideration this _____ day of _____,
20____. The above and foregoing Application for Pipeline and Utility
Permit, and after consideration of the same by the Hidalgo County
Commissioners Court, said Application and Agreement for Pipeline or
Utility Permit is hereby APPROVED.

HIDALGO COUNTY:

Richard F. Cortez, County Judge



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

1/25/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Higginbotham Insurance Agency, Inc. 1400 N McColl Rd Ste 105 McAllen TX 78501	CONTACT NAME: Judith Gomez	
	PHONE (A/C, No, Ext): 956-668-3510	FAX (A/C, No): 956-687-1286
E-MAIL ADDRESS: jgomez@higginbotham.net		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A: Texas Mutual Insurance Company		22945
INSURER B: CUMIS Insurance Society, Inc.		10847
INSURER C:		
INSURER D:		
INSURER E:		
INSURER F:		

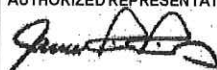
INSURED North Alamo Water Supply Corporation NORTH286 420 S. Doolittle Rd. Edinburg TX 78542

COVERAGES CERTIFICATE NUMBER: 144437433 REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			306792	1/21/2021	1/21/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ 3,000,000 \$
B	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			306791	1/21/2021	1/21/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			306792	1/21/2021	1/21/2022	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	0001132545	6/23/2020	6/23/2021	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER Hidalgo County Planning Department 1304 S. 25th St. Edinburg TX 78542	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE 

GENERAL NOTES

- * PRIOR TO BEGINNING CONSTRUCTION, THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL SCHEDULE A PRECONSTRUCTION CONFERENCE BETWEEN THE OWNER & THE CONSULTING ENGINEER, CONTRACTOR, AND ALL OTHER AFFECTED PARTIES.
- * CONTRACTOR TO KEEP PUBLIC ROADS OPEN AT ALL TIMES. AREA USED FOR CONTRACTOR'S PERSONNEL PARKING, MATERIAL STORAGE, STOCKPILE, MATERIAL FABRICATION, AND RELATED CONSTRUCTION USES ARE NOT TO INTERFERE WITH NORMAL TRAFFIC.
- * CONTRACTOR TO GIVE NOTICE IN WRITING TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES AFFECTED BY HIS OPERATIONS PRIOR TO COMMENCEMENT OF WORK.
- * CONTRACTOR TO ASSURE HIMSELF THAT ALL CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK. REQUIRED PERMITS THAT CAN BE ISSUED ONLY TO CONTRACTOR TO BE OBTAINED AT NO EXPENSE TO THE CONTRACTOR.
- * UTILITY NOTE: THE LOCATIONS OF ALL EXISTING UTILITIES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR THE ENGINEER. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION, HORIZONTAL AND VERTICAL OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE CAUSED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, EXISTING OR ABANDONED. NO SEPARATE PAY. CONTRACTOR NEEDS TO COORDINATE WITH CITY BEFORE TIE-INTO EXISTING WATERLINE.
- * THROUGHOUT THE CONSTRUCTION, AND AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR IS TO ASSURE THAT DRAINAGE OF STORM WATER RUNOFF IS NOT BLOCKED. MAINTAIN DRAINAGE OF SITE DURING ALL PHASES OF CONSTRUCTION. DO NOT BLOCK DRAINAGE FROM ADJACENT AREAS NOR ADD FLOW TO ADJACENT AREAS.
- * THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION IN A PARTICULAR AREA.
- * DAMAGES DONE TO EXISTING UTILITIES, POWER POLES, FENCES, SIGNS, MAILBOXES, DRIVEWAYS, CULVERTS, PAVEMENT, DRAINAGE SYSTEMS, ETC., SHALL BE REPAIRED BY THE CONTRACTOR AT NO COST TO THE OWNER. DRIVEWAYS SHALL BE REPAIRED ON A LIKE FOR LIKE BASIS.
- * THE CONTRACTOR SHALL HAVE A PERSON ON CALL 24 HOURS A DAY TO TAKE CARE OF MAINTENANCE ITEMS-CONSTRUCTION AREA, SIGNS ETC. THIS PERSON SHALL HAVE AUTHORITY TO ACT ON BEHALF OF THE CONTRACTOR IN EMERGENCY CONDITIONS. THE PERSON SHALL BE STATIONED CLOSE ENOUGH TO BE ON SITE WITHIN 1/2 HOUR OF NOTIFICATION. THE PERSON SHALL BE IDENTIFIED IN WRITING PRIOR TO THE START OF CONSTRUCTION. THE ON-SITE REPRESENTATIVE SHALL HAVE ACCESS TO ALL EQUIPMENT AND MATERIAL AND HAVE FULL AUTHORITY NECESSARY TO CORRECT ANY PROBLEMS, DEFICIENCIES, OR EMERGENCIES WHICH MAY ARISE, DURING NON-WORKING HOURS, AND DURING THE ABSENCE OF THE SUPERINTENDENT.
- * EXCESS SPOIL PRODUCED DURING PREPARATION OF THE SUB-GRADE SHALL BE PLACED SPREAD AND COMPACTED ON-SITE IN AREAS AS INSTRUCTED BY THE ENGINEER TO ACHIEVE ADEQUATE GRADING. ANY UNUSABLE MATERIAL WILL BECOME THE PROPERTY OF THE CONTRACTOR TO BE PROPERLY DISPOSED OF AT HIS EXPENSE OR TO HIS ADVANTAGE.
- * THE CONTRACTOR WILL PROVIDE HIS OWN CONSTRUCTION STAKING.
- * CONTRACTOR TO MATCH EXISTING PAVEMENT, SIDEWALK RAMPS AND CURB & GUTTER PAVEMENT OR ANY OTHER IMPROVEMENTS WHERE APPLICABLE.
- * ALL CONCRETE AND ASPHALT DRIVEWAYS ADJUSTED, DAMAGED, OR REPLACED DURING CONSTRUCTION MUST BE SAW-CUT AT A STRAIGHT, NEAT LINE, BEFORE REPAIRING.
- * ABANDONED LINES FOUND DURING CONSTRUCTION SHALL BE REMOVED. NO SEPARATE PAY. THIS WORK SHALL BE SUBSIDIARY OTHER WORK.
- * THE CONTRACTOR SHALL PLACE PROPER SIGNAGE, BARRICADES, FLAG-MEN, ETC. ON THIS PROJECT IN COMPLIANCE WITH THE PROCEDURE OUTLINED IN THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS" - (PART IV TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS, LATEST REVISION). UPON COMPLETION OF THE WORK, ALL TEMPORARY SIGNS & BARRICADES SHALL BE REMOVED BY THE CONTRACTOR.
- * REFERENCE POINTS: THE OWNER WILL ESTABLISH HORIZONTAL AND VERTICAL CONTROLS ONLY (REFERENCE POINTS AND BENCHMARKS AS SHOWN ON THE CONSTRUCTION PLANS.) THE CONTRACTOR MUST NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO STARTING WORK ON ANY SECTION OR PART OF THE WORK WHERE CONTROLS HAVE NOT BEEN ESTABLISHED OR ARE NOT IDENTIFIABLE OR VISIBLE TO THE CONTRACTOR. THE ENGINEER WILL UPON SUCH ADVANCE NOTICE WILL REPLACE ANY CONTROLS POINTS THAT HAVE BEEN DESTROYED BY OTHERS PRIOR TO BEGINNING OF CONTRACTORS OPERATIONS. AFTER CONTROL POINTS ARE ESTABLISHED AND / OR IDENTIFIED AS OUTLINED ABOVE, MAINTENANCE OF SUCH CONTROL POINTS SHALL BE RESPONSIBILITY OF THE CONTRACTOR. ANY RE-STAKING REQUIRED FOR ANY REASON THEREAFTER SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR WILL PROVIDE ALL OTHER CONSTRUCTION STAKING (CUT STAKES, BLUE TOPPING, INTERMEDIATE STRING LINE CONTROL, ETC.) REQUIRED TO VERIFY GRADES, DEPTHS, THICKNESSES, AND ALIGNMENT OF THE VARIOUS ITEMS OF CONSTRUCTION.
- * AS-BUILT DRAWINGS: THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A SET OF AS-BUILT PLANS SHOWING NOTES TO ANY CHANGES TO THE DESIGN PLANS. THIS INFORMATION, SIGNED BY ALL INSPECTORS, WILL BE SUBMITTED TO THE ENGINEER AT THE END OF CONSTRUCTION. THE PROJECT'S FINAL ACCEPTANCE AND FINAL PAYMENT WILL NOT BE APPROVED UNTIL THE CONTRACTOR HAS SUBMITTED THE REQUIRED INFORMATION NEEDED BY THE ENGINEER FOR AS-BUILT DRAWINGS.
- * CONCRETE CURB AND GUTTER, PIPE STRUCTURES, ETC. WHICH MUST BE REMOVED IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS WILL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED AND PROPERLY DISPOSED OF AT HIS EXPENSE. THIS WORK SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS IN THE CONTRACT.
- * EXISTING UTILITIES: THE INFORMATION SHOWN CONCERNING TYPE AND LOCATIONS OF UNDERGROUND AND OVERHEAD UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INEXCLUSIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING UTILITIES. THE CONTRACTORS INFORMATION SHALL BE CONDUCTED TO PREVENT UNNECESSARY INTERFERENCE WITH ANY EXISTING UTILITY SYSTEM. IF THE CONTRACTOR'S WORK REQUIRES INTERRUPTION, THE CONTRACTOR MUST COORDINATE WITH UTILITY COMPANIES EFFECTED 48 HOURS IN ADVANCE.
- * MATERIALS CERTIFICATION AND TESTING: CONTRACTOR SHALL PROVIDE SUPPLIERS CERTIFICATION FOR ALL PROJECT MATERIALS CONCRETE, LIME, CALICHE BASE MATERIAL, PRE-CAST INLETS, PIPES, ETC. THAT SUCH MATERIALS DO MEET PROJECT SPECIFICATIONS PRIOR TO DELIVERY ON-SITE. CONTRACTOR SHALL PROVIDE HOT MIX ASPHALTIC CONCRETE DESIGN FROM A REPUTABLE COMMERCIAL TESTING LABORATORY.
- * STANDARD WORK HOURS: THE STANDARD WORK HOURS FOR THE OWNER IS 8:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY. SHOULD THE CONTRACTOR ELECT TO WORK ON SATURDAY, SUNDAYS OR HOLIDAYS, HE SHALL BE RESPONSIBLE FOR PAYING OVERTIME CHARGES FOR THE OWNERS PERSONNEL INVOLVED. THESE CHARGES WILL BE AT COST AND WILL BE CALCULATED EITHER AT TIME AND A HALF OR DOUBLE TIME, AS APPLICABLE TO THE PARTICULAR DAY BEING WORKED. PRE-APPROVAL SHALL BE OBTAINED FROM THE ENGINEER OR ENGINEER'S REPRESENTATIVE BY COMPLETING AND SIGNING A OWNER'S FORM ENTITLED "CONSTRUCTION INSPECTORS OVERTIME COMPENSATION AUTHORIZATION". 48 HRS. PRIOR TO COMMENCING ANY OVERTIME WORK.

ANY WORK DONE OUTSIDE THE STANDARD WORKDAY, WITHOUT PRIOR AUTHORIZATION, SHALL BE CONSIDERED UNDER UNAUTHORIZED WORK. THE CONTRACTOR IS REQUIRED TO PAY THE OVERTIME WAGES OF THE OWNER INSPECTORS THAT WORK OVERTIME MONDAYS THROUGH FRIDAYS AT TIME IN A HALF. THE CONTRACTOR IS RESPONSIBLE FOR THE OVERTIME WAGES OF THE OWNER INSPECTORS THAT WORK HOLIDAYS AT DOUBLE TIME. MINIMUM HOURS WILL BE BILLED TO CONTRACTOR FOR CALL OUTS OR FOR INSUFFICIENT NOTICE OF TWO (2) HOURS.

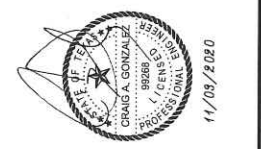
WATERLINE DETAILS

1. ALL UTILITY CONSTRUCTION SHALL CONFORM WITH CITY STANDARDS AND SPECIFICATIONS.
2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND CONTROLLING ENTITIES A MINIMUM OF 48 HRS. PRIOR TO BEGINNING CONSTRUCTION.
3. CONTRACTOR SHALL NOTIFY CITY WATER DISTRIBUTION DEPARTMENT A MINIMUM OF 48 HRS. PRIOR TO ANY TIE-INS WHICH REQUIRE INTERRUPTION OF SERVICE TO EXISTING CUSTOMERS.
4. CONTRACTOR SHALL REMOVE AND REPLACE AFFECTED TRAFFIC SIGNS AND MAILBOXES TO EQUAL OR BETTER CONDITION (NO SEPARATE PAY).
5. 48 HRS. PRIOR TO ANY EXCAVATION CONTRACTOR SHALL COORDINATE WITH THE TRAFFIC DEPARTMENT FOR FIELD VERIFICATION AT. EXTREME CAUTION SHALL BE USED WHEN EXCAVATING AROUND THE ELECTRICAL CONDUIT AREAS.
6. CONTRACTOR SHALL REMOVE AND REPLACE AFFECTED TREES, SHRUBS AND PLANTS TO EQUAL OR BETTER CONDITION (NO SEPARATE PAY).
7. CONTRACTOR SHALL PERFORM ALL WORK IN ACCORDANCE WITH OSHA STANDARDS AND FOR CONFINED SPACE INCLUDING A MONITOR FOR AIR AND EQUIPMENT FOR BREATHING AIR AND RETRIEVING SYSTEMS.
8. CONTRACTOR SHALL VERIFY THE LOCATION AND CONDITION OF VALVES TO CONTROL PRESSURE IN THE WATERLINE PRIOR TO SCHEDULING ANY REQUIRED SHUT DOWNS IF NECESSARY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 24 HRS. PRIOR TO ANY SCHEDULED TIE-IN AND WHETHER ANY CUSTOMERS WILL BE AFFECTED BY THE SCHEDULED SHUT DOWN. ANY SHUT DOWNS WHICH AFFECT CUSTOMERS SHALL BE SCHEDULED DURING OFF PEAK TIMES.
9. ALL MECHANICAL JOINTS (M.J) FITTINGS WILL NEED TO HAVE RESTRAINERS.
10. ALL EXISTING WATER METERS SHALL BE CONNECTED TO NEW WATERLINE.
11. ALL BLOCKING SHALL BE AGAINST UNDISTURBED HAND DUG SOIL AND SHALL BE CONCRETE HAVING A MINIMUM 28 DAY STRENGTH OF 2000 LBS. PER SQUARE INCH.
12. THRUST CALCULATIONS TO BE BASED ON THRUST DUE TO WATER PRESSURE AT 100% OF TEST PRESSURE. $THRUST = 2AP \sin \frac{\theta}{2}$ WHERE A=AREA OF PIPE, P=WATER PRESSURE, θ =DEFLECTION ANGLE.
13. VERTICAL LIFT BLOCKS SHALL BE DESIGNED OF THE BASIS OF 150 LBS. PER CU. FT. FOR CONCRETE AND SOIL AT 120 LBS. PER CU. FT. OVER THE AREA OF BLOCK.
14. VERTICAL DOWN THRUST BLOCKS SHALL BE DESIGNED ON THE BASIS OF 2000 LBS. PER SQ. FT. ALLOWABLE SOIL BEARING PRESSURE DIMENSION MAY BE DECREASED WITH APPROVAL OF THE ENGINEER OF MEASURED SOIL CONDITIONS PERMIT. IN POOR SOIL CONDITIONS, BLOCK DIMENSIONS SHALL BE INCREASED IN PROPORTION TO ALLOWABLE BEARING VALUE.
15. THRUST BLOCKS ON HORIZONTAL BENDS, TEES, CROSSES, AND REDUCERS SHALL BE SIZED BASED ON 24000 LBS. PER SQ. FT. OF BLOCKING SURFACE AREA IN CONTACT WITH UNDISTURBED SOIL. BLOCK DIMENSIONS MAY BE DECREASED WITH APPROVAL OF THE ENGINEER OF MEASURED SOIL CONDITIONS PERMIT. IN POOR SOIL CONDITIONS, BLOCK DIMENSIONS SHALL BE INCREASED IN PROPORTION TO THE ALLOWABLE BEARING VALUE.
16. ALL BLOCKING SHALL HAVE A MINIMUM SOIL COVER OF 1 FT.
17. ADDITIONAL REINFORCING SHALL BE REQUIRED FOR HORIZONTAL BLOCKING TO HANDLE UNUSUAL, SHEAR LOADING CONDITIONS.

REV.	DESCRIPTION	DATE

GENERAL NOTES

WATERLINE EXTENSION AT
THE INTERSECTION OF ALAMO RD. & TEXAS RD.
EDINBURG, TEXAS
PREPARED FOR: DR. ANASTACIO PADRON SIFUENTES



URBAN INFRASTRUCTURE GROUP, INC.
 260 S. TEXAS BLVD.
 STE 403
 WESLACO, TEXAS 78696

(956) 405-3337
 TBPE FIRM NO. F-13094
 WWW.UIGTEXAS.COM

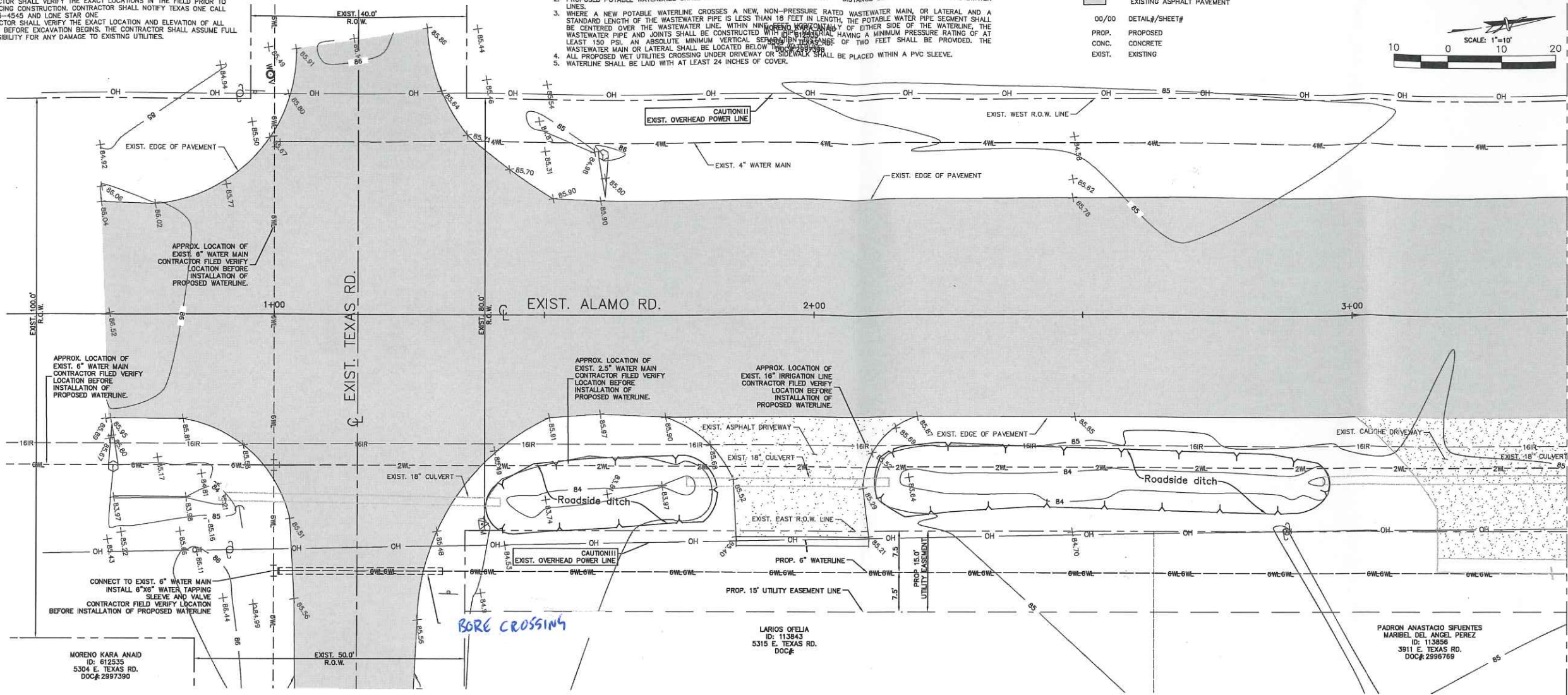
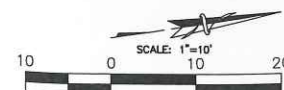
PROJECT NO.	128300	DRAWN BY:	MAT
DATE:	11-03-2020	DESIGNED BY:	MAT
SCALE:		APPROVED BY:	CAG
SHEET NUMBER:			
1.1			

EXCAVATION NOTES:
 1. THE CONTRACTOR SHALL USE CAUTION WHEN DIGGING. UTILITIES PRESENTED ON THESE DRAWINGS ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY THE EXACT LOCATIONS IN THE FIELD PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY TEXAS ONE CALL 800-245-4545 AND LONE STAR ONE.
 2. CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES BEFORE EXCAVATION BEGINS. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO EXISTING UTILITIES.

UTILITY PLAN NOTES:
 1. CONTRACTOR TO CONTACT NORTH ALAMO WATER SUPPLY CORPORATION (NAWSC) PRIOR TO MAKING WATER CONNECTIONS.
 2. PROPOSED POTABLE WATERLINES SHALL MAINTAIN A MINIMUM 9' SEPARATION DISTANCE BETWEEN PROPOSED WASTEWATER LINES.
 3. WHERE A NEW POTABLE WATERLINE CROSSES A NEW, NON-PRESSURE RATED WASTEWATER MAIN, OR LATERAL AND A STANDARD LENGTH OF THE WASTEWATER PIPE IS LESS THAN 18 FEET IN LENGTH, THE POTABLE WATER PIPE SEGMENT SHALL BE CENTERED OVER THE WASTEWATER LINE. WITHIN NINETY DEGREES OF EITHER SIDE OF THE WATERLINE, THE WASTEWATER PIPE AND JOINTS SHALL BE CONSTRUCTED WITH DUCTILE IRON HAVING A MINIMUM PRESSURE RATING OF AT LEAST 150 PSI. AN ABSOLUTE MINIMUM VERTICAL SEPARATION OF TWO FEET SHALL BE PROVIDED. THE WASTEWATER MAIN OR LATERAL SHALL BE LOCATED BELOW THE POTABLE WATERLINE.
 4. ALL PROPOSED WET UTILITIES CROSSING UNDER DRIVEWAY OR SIDEWALK SHALL BE PLACED WITHIN A PVC SLEEVE.
 5. WATERLINE SHALL BE LAID WITH AT LEAST 24 INCHES OF COVER.

PROPOSED LEGEND

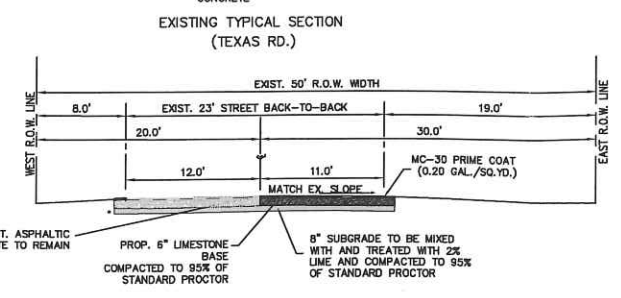
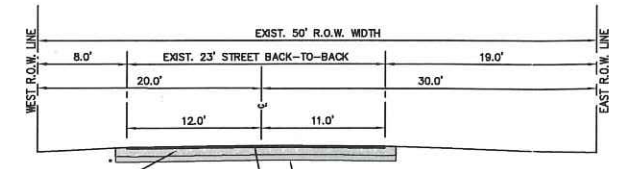
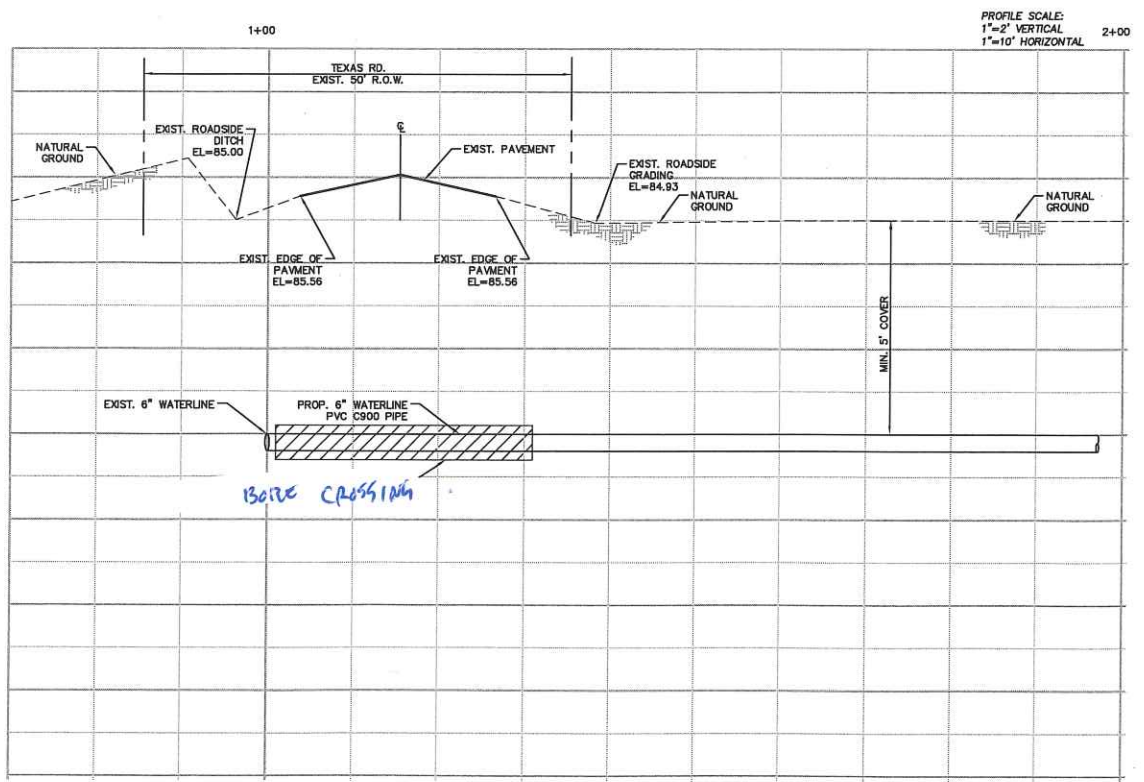
EXISTING ASPHALT PAVEMENT
 00/00 DETAIL #/SHEET#
 PROP. PROPOSED
 CONC. CONCRETE
 EXIST. EXISTING



MORENO KARA ANAID
 ID: 612335
 5304 E. TEXAS RD.
 DOC# 2597390

LARIOS OFELIA
 ID: 113843
 5315 E. TEXAS RD.
 DOC#

PADRON ANASTACIO SIFUENTES
 MARIBEL DEL ANGEL PEREZ
 ID: 113856
 3911 E. TEXAS RD.
 DOC# 2596769



PAVING SHALL BE AS FOLLOWS:

STREET	ASPHALT	BASE (IN.)	ASPHALT TYPE	TREATED SUBGRADE (IN.)	STREET TYPE
TEXAS RD.	2"	0	0	6"	COLLECTOR

THE CONTRACTOR SHALL COORDINATE WITH THE GEOTECHNICAL ENGINEER TO VERIFY SUBGRADE CONDITIONS BASED ON TRENCH EXCAVATIONS AND SUBGRADE ROUGH CUT. THE GEOTECHNICAL ENGINEER MAY CHANGE THE PAVEMENT THICKNESS RECOMMENDATIONS BASED ON FIELD CONDITIONS.
 WHERE SUBGRADE FIELD CONDITIONS DIFFER FROM CONDITIONS DESCRIBED IN THE GEOTECHNICAL ENGINEER'S REPORT, CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO PLACEMENT OF BASE MATERIAL.

REV.	DESCRIPTION	DATE

WATERLINE PLAN & PROFILE
 WATERLINE EXTENSION AT
 THE INTERSECTION OF ALAMO RD. & TEXAS RD.
 EDINBURG, TEXAS
 PREPARED FOR: DR. ANASTACIO PADRON SIFUENTES



URBAN INFRASTRUCTURE GROUP, INC.
 (956) 405-3337
 260 S. TEXAS BLVD.
 STE. 403
 WESLACO, TEXAS 78696
 www.UIGTEXAS.COM

PROJECT NO. 128300	DRAWN BY: MAT
DATE: 11-03-2020	DESIGNED BY: MAT
SCALE: 1" = 10'	APPROVED BY: CAG
SHEET NUMBER:	2.0

