



Anthony Uresti  
Director of Planning

# HIDALGO COUNTY PLANNING DEPARTMENT

2818 S. BUSINESS HWY 281  
EDINBURG TEXAS 78539  
Tel. 956-318-2840

## HIDALGO COUNTY COMMISSIONERS COURT MEETING

DATE: 10-29-2024

PROPOSED DLG SUBDIVISION, PRECINCT No. 4

ENGINEER S2 ENGINEERING, PLLC DEVELOPER: JULIO LEONEL DE LA GARZA

PRELIMINARY APPROVAL     FINAL APPROVAL     FINAL APPROVAL WITH FINANCIAL GUARANTEE     WITH VARIANCE

NUMBER OF LOTS:    3  \*SINGLE FAMILY     \*MULTI-FAMILY     COMMERCIAL     INSTITUTIONAL

ESTIMATED NUMBER OF STREETLIGHTS:    1

FILLING STATIONS:    1

LOCATION DESCRIPTION:    WEST OF MON MACK ROAD APPROXIMATELY 400 FT NORTH OF MILE 17 1/2 N ROAD.

SUBDIVISION LIES WITHIN THE:     REMOVED FROM EDINBURG ETJ

DRAINAGE REPORT WAS APPROVED BY HCDD#1:    ON 10-10-2024 PROPERTY LIES WITHIN FLOOD ZONE: "X" AS PER FEMA.

DRAINAGE DESIGN:    DRAINAGE WILL BE PROVIDED BY NATURAL PERCULATION AND SURFACE RUNOFF WILL DRAIN INTO MON MACK ROAD.

ROAD R.O.W. DEDICATION:    20.00 FEET ONTO MON MACK ROAD

H.C.R.O.W. PRELIMINARY APPROVAL DATE:    10-10-2024 BY, PCT. 4 R.O.W. AGENT

H.C.H.D. PRELIMINARY APPROVAL DATE:    10-15-2024 BY, ENVIRONMENTAL HEALTH DIVISION MANAGER

SEWER SYSTEM:     O.S.S.F.

WATER SERVICE PROVIDER:    S.W.S.C. LINE SIZE: 8" LOCATION: MON MACK.

H.C.E.O.C. PRELIMINARY APPROVAL DATE:    10-10-2024: BY ENVIRONMENTAL COMPLIANCE COORDINATOR

**SMALL CONSTRUCTION**

The applicant has submitted the required small construction site notice 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:    N/A

STAFF RECOMMENDS:     **Preliminary Approval** *subject to comments and future recommendations by planning, Other departments.*

**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.*

METES AND BOUNDS

A 4.11-ACRE (179,105.42 SQ FT.) TRACT OF LAND OUT OF LOT 16, SECTION 235, TEXAS- MEXICAN RAILWAY COMPANY'S SUBDIVISION OF LANDS IN THE LAS MESTENAS GRANT, HIDALGO COUNTY, TEXAS, AS PER MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGE 12, HIDALGO COUNTY MAP RECORDS, TEXAS CONVEYED TO JULIO LEONEL DE LA GARZA BY A GENERAL WARRANTY DEED RECORDED DATED NOVEMBER 5, 2021, HIDALGO COUNTY OFFICIAL RECORDS, TEXAS AND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

COMMENCING AT A 1/2" IRON ROD FOUND AT THE INTERSECTION OF MILE 17 1/2 ROAD AND MON MACK ROAD, SOME BEING THE SOUTHWEST CORNER OF SAID LOT 16 SECTION 235 AND ALSO BEING THE SOUTHWEST CORNER OF LOT 13 SECTION 240, OF SAID TEXAS MEXICAN RAILWAY COMPANY'S SUBDIVISION, THENCE, N08°54'06" E, ALONG THE CENTERLINE OF MON MACK ROAD (40.0' ROAD) SAME BEING THE EAST LINE OF SAID LOT 16 SECTION 235, AT A DISTANCE OF 130.05 FEET TO A POINT PASSING A 1/2" IRON ROD FOUND WITH KLSG 63333 PLASTIC CAP AT 90°00'00" ANGLE AND 20.0 FEET TO THE LEFT ALONG THE WEST RIGHT-OF-WAY LINE OF MON MACK ROAD (40.0' ROAD), CONTINUING ALONG THE CENTERLINE OF MON MACK ROAD (40.0' ROAD) AT A DISTANCE OF 247.55' PASSING A 60D NAIL FOUND, A TOTAL DISTANCE OF 277.75 FEET TO A POINT FOR THE SOUTHWEST CORNER OF THIS TRACT AND THE POINT OF BEGINNING;

THENCE, N81°05'54" W, AT A DISTANCE OF 20.0 FEET TO A 1/2" IRON ROD SET WITH PLASTIC CAP STAMPED S2 10194796 ON THE WEST RIGHT-OF-WAY LINE OF MON MACK ROAD (40.0' ROAD), AT A DISTANCE OF 35.0 FEET PASS THE WEST EASEMENT LINE OF SHARYLAND WATER SUPPLY CORPORATION RECORDED IN DOCUMENT #2753837, HIDALGO COUNTY OFFICIAL RECORDS, TEXAS, A TOTAL DISTANCE OF 627.59 ALONG THE NORTH LINE OF A 4.0-ACRE TRACT CONVEYED TO JULIO DE LA GARZA JR. IN VOLUME 1385, PAGE 537, HIDALGO COUNTY DEED RECORDS, TEXAS SAME BEING THE SOUTH LINE OF SAID 4.11-ACRE TRACT, A DISTANCE OF 285.39 FEET TO A 1/2" ROD SET WITH PLASTIC CAP STAMPED S2 10194796 FOR THE NORTHWEST CORNER OF THIS TRACT;

THENCE, N08°54'06"E, ALONG THE EAST LINE OF A 4.513-ACRE TRACT CONVEYED TO TEXAS CORDIA CONSTRUCTION, LLC RECORDED IN DOCUMENT# 2967328, HIDALGO COUNTY OFFICIAL RECORDS, TEXAS SAME BEING THE WEST LINE OF SAID 4.11-ACRE TRACT, A DISTANCE OF 285.39 FEET TO A 1/2" ROD SET WITH PLASTIC CAP STAMPED S2 10194796 FOR THE NORTHWEST CORNER OF THIS TRACT.

THENCE, S81°05'54" E, ALONG THE SOUTH LINE OF A 5.115-ACRE TRACT CONVEYED TO EDUARDO AND ROSEMARIE LUNA RECORDED IN DOCUMENT# 1427943, HIDALGO COUNTY OFFICIAL RECORDS, TEXAS, SAME BEING THE NORTH LINE OF SAID 4.11-ACRE TRACT, A DISTANCE OF 592.59 FEET PASS THE WEST LINE OF SAID SHARYLAND WATER SUPPLY CORPORATION 15-FOOT EASEMENT, AT A DISTANCE OF 607.59 FEET PASSING A 1/2" IRON ROD SET WITH PLASTIC CAP STAMPED S2 10194796 ON THE WEST RIGHT-OF-WAY LINE OF A MON MACK ROAD (40.0' ROAD), CONTINUING A TOTAL DISTANCE OF 627.59 FEET TO A POINT ON THE CENTERLINE OF SAID MON MACK ROAD FOR THE NORTHEAST CORNER OF THIS TRACT.

THENCE, S08°54'06" W, ALONG THE CENTERLINE OF MON MACK ROAD, AT A DISTANCE OF 68.27 FEET PASSING A 60D NAIL FOUND, CONTINUING A TOTAL DISTANCE OF 285.39 TO THE POINT OF BEGINNING AND CONTAINING 4.11-ACRE (179,105.42 SQ FT.) TRACT OF LAND MORE OR LESS.

HIDALGO COUNTY IRRIGATION DISTRICT No. 1

THIS PLAT IS HEREBY APPROVED BY THE HIDALGO COUNTY IRRIGATION DISTRICT NO. 1 ON THIS, THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_, SUBJECT TO RIGHTS OF WAY/EASEMENTS AS PER RECORD(S) IN VOLUME \_\_\_\_\_ PAGE \_\_\_\_\_ MAP RECORDS, HIDALGO COUNTY, TEXAS NO IMPROVEMENTS OF ANY KIND (INCLUDING WITHOUT LIMITATION, TREES, FENCES, AND BUILDINGS) SHALL BE PLACED UPON HIDALGO COUNTY IRRIGATION DISTRICT #1 RIGHTS OF WAYS OR EASEMENTS.

PRESIDENT \_\_\_\_\_ ATTEST \_\_\_\_\_ SECRETARY \_\_\_\_\_

STATE OF TEXAS COUNTY OF HIDALGO

OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION

I JULIO LEONEL DE LA GARZA, OWNERS OF THE 4.11 ACRES OF LAND SHOWN ON THIS PLAT AND DESIGNATED HEREIN AS DLG SUBDIVISION GRANTS AN EASEMENT TO THE COUNTY OF HIDALGO AND THOSE WHO MAY NOW OR HEREAFTER HOLD RIGHTS ESTABLISHED BY THE COUNTY OF HIDALGO AND STATE OF TEXAS. THE STREETS HAVE NOT BEEN DEDICATED TO THE PUBLIC FOR PUBLIC ACCESS NOR BEEN ACCEPTED BY THE COUNTY AS PUBLIC IMPROVEMENTS, AND THE STREET SHALL BE MAINTAINED BY THE PROPERTY OWNERS ASSOCIATION WITHIN THE SUBDIVISION. THE STREET SHALL ALWAYS BE OPEN TO EMERGENCY VEHICLES, PUBLIC AND PRIVATE UTILITY SERVICE PERSONNEL, THE U.S. SERVICE AND GOVERNMENTAL EMPLOYEES IN PURSUIT OF THEIR OFFICIAL DUTIES, THE USE OF THE STREETS, AND EASEMENTS HEREON SHOWN, IS RESTRICTED TO THE EMPLOYEES OR AGENTS OF THE COUNTY OF HIDALGO, EMPLOYEES OF UTILITIES OPERATING UNDER FRANCHISE TO THE COUNTY OF HIDALGO, AND OR THE STATE OF TEXAS AND RESIDENTS OF THE SUBDIVISION AND THEIR GUESTS.

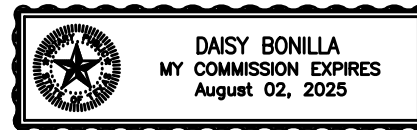
I CERTIFY THAT I HAVE COMPLIED WITH THE REQUIREMENTS OF TEXAS LOCAL GOVERNMENT CODE S 232.032 AND THAT: (A) THE WATER QUALITY AND CONNECTIONS TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS. (B) SEWER CONNECTIONS TO THE LOTS OR SEPTIC TANKS MEET, OR WILL MEET, THE MINIMUM REQUIREMENTS OF THE STATE STANDARDS; (C) ELECTRICAL CONNECTIONS PROVIDED TO THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS; AND (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.

JULIO LEONEL DE LA GARZA, DATE: \_\_\_\_\_ 2201 MON MACK RD, EDINBURG, TEXAS, 78541

STATE OF TEXAS COUNTY OF HIDALGO

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED JULIO LEONEL DE LA GARZA, 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 THE PURPOSES AND CONSIDERATIONS THEREIN GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 2024.

NOTARY PUBLIC, HIDALGO COUNTY, TEXAS



DATE MY COMMISSION EXPIRES \_\_\_\_\_

STATE OF TEXAS COUNTY OF HIDALGO

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



Preliminary JOSE N. SALDIVAR, P.E., C.F.M. LICENSED PROFESSIONAL ENGINEER No. 94076 S2 ENGINEERING, PLLC 2020 E. GRIFFIN PARKWAY MISSION, TEXAS 78574

STATE OF TEXAS COUNTY OF HIDALGO

I, RESTITUTO A. ASCANO III, A REGISTERED PROFESSIONAL LAND SURVEYOR IN TEXAS, HEREBY CERTIFY THAT THE ABOVE PLAT AND DESCRIPTION OF THE DLG SUBDIVISION WAS PREPARED FROM A SURVEY OF THE PROPERTY MADE ON THE GROUND BY ME OR UNDER MY SUPERVISION ON \_\_\_\_\_



Preliminary RESTITUTO A. ASCANO III, R.P.L.S. DATE \_\_\_\_\_ R.P.L.S. No. 6225

Table with 4 columns: Name, Address, City & Zip, Phone. Rows include Owner: Julio Leonel de la Garza, Engineer: Jose N. Saldivar P.E., C.F.M., and Surveyor: Restituto A. Ascano III.

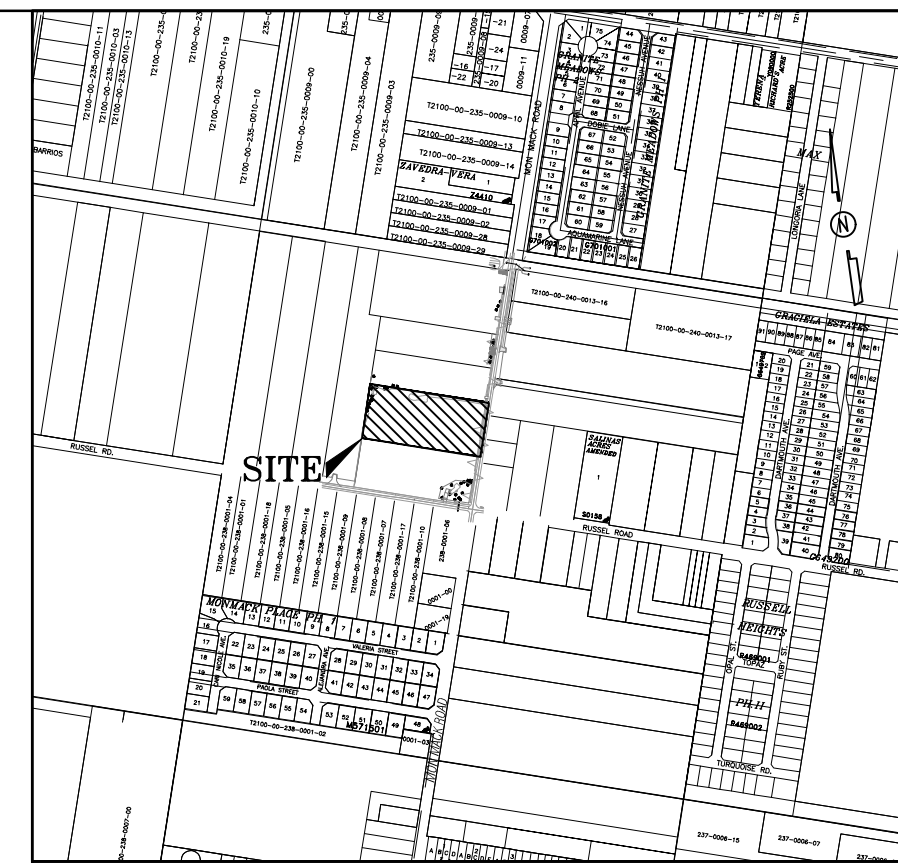
SUBDIVISION PLAT OF: DLG SUBDIVISION

A 4.11-ACRE (179,105.42 SQ FT.) TRACT OF LAND OUT OF LOT 16, SECTION 235, TEXAS-MEXICAN RAILWAY COMPANY'S SUBDIVISION OF LANDS IN THE LAS MESTENAS GRANT, HIDALGO COUNTY, TEXAS AS PER MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGE 12, HIDALGO COUNTY MAP RECORDS, TEXAS CONVEYED TO JULIO LEONEL DE LA GARZA BY A GENERAL WARRANTY DEED RECORDED DATED NOVEMBER 5, 2021, HIDALGO COUNTY OFFICIAL RECORDS, TEXAS.

Curve Table with columns: Curve #, Length, Radius, Delta, Chord Direction, Chord Length. Rows: C2, C1.

Line Table with columns: Line #, Length, Direction. Rows: L1, L2.

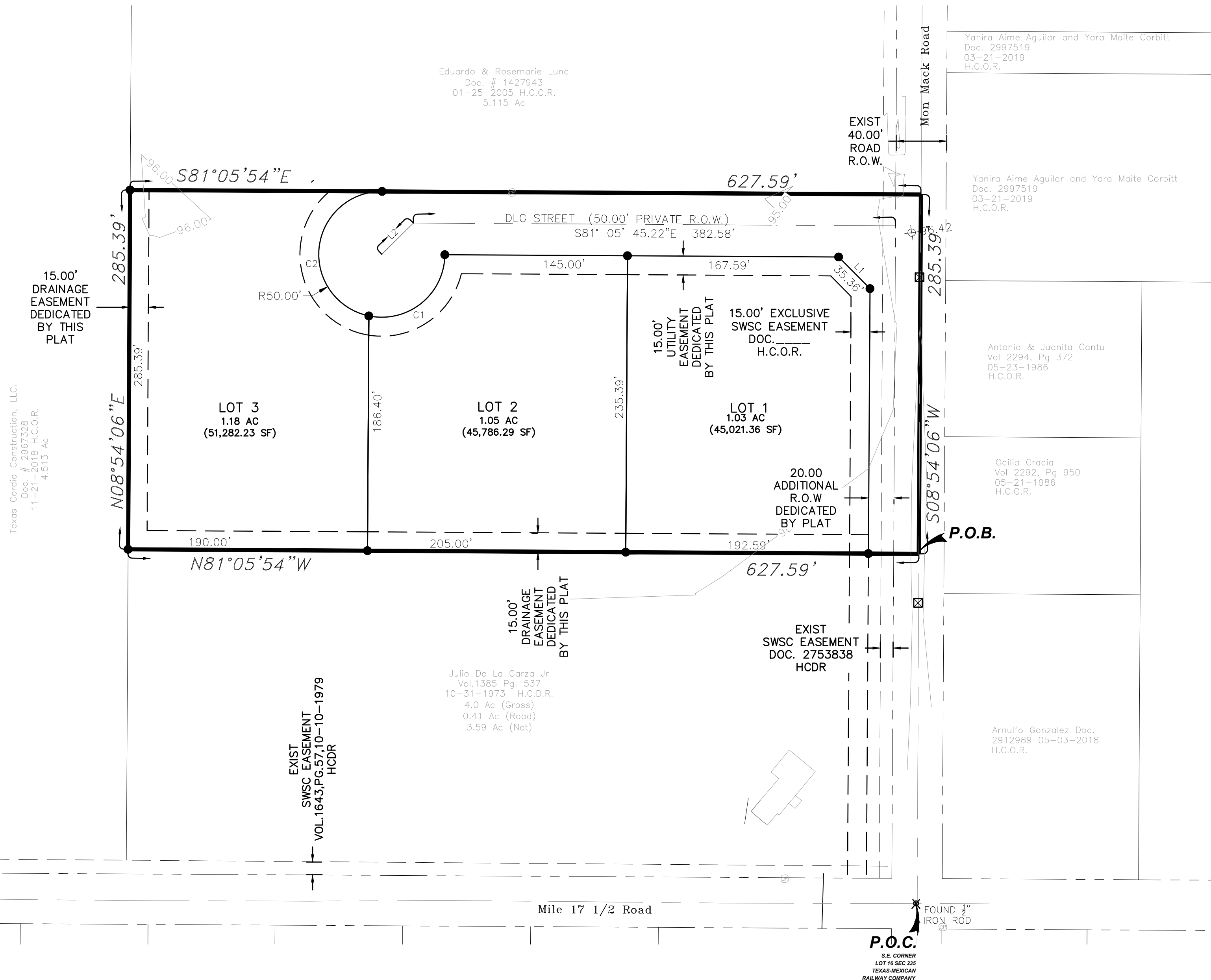
LEGEND with symbols for 1/2" IRON ROD FOUND, 1/2" IRON PIN SET, 60D NAIL FOUND.



LOCATION OF SUBDIVISION WITH RESPECT TO THE HIDALGO COUNTY AREA: DLG SUBDIVISION IS LOCATED HIDALGO COUNTY TEXAS, ON THE WEST SIDE OF MON MACK ROAD APPROXIMATELY 330 FT N OF MILE 17 1/2 ST (RUSSEL RD). THE ONLY NEARBY MUNICIPALITY IS THE CITY OF EDINBURG ACCORDING TO THE OFFICIAL MAP IN THE OFFICE OF THE SECRETARY OF THE CITY OF EDINBURG (POPULATION 63,394) OWNER HAS PETITIONED THE CITY OF EDINBURG UNDER SEC 42.102(b) OF THE LOCAL GOVERNMENT CODE TO BE RELEASED FROM THE CITY ETL.

GENERAL NOTES:

- 1. FLOOD ZONE STATEMENT: FLOOD ZONE DESIGNATION: ZONE "X"
2. MINIMUM FINISHES FLOOR ELEVATION SHALL BE 18" ABOVE THE CENTER OF STREET OR 18" ABOVE NATURAL GROUND, WHICHEVER IS GREATER. ELEVATION CERTIFICATE MAY BE REQUIRED FOR LOTS LOCATED OUTSIDE DESIGNATED FLOOD ZONE AT THE TIME FOR APPLICATION FOR CONSTRUCTION TO VERIFY PRE AND POST CONSTRUCTION FINISH FLOOR ELEVATIONS. AN ELEVATION CERTIFICATE SHALL BE REQUIRED FOR ALL LOTS WITHIN A DESIGNATED FLOOD ZONE AT THE TIME FOR A DEVELOPMENT PERMIT APPLICATION.
3. SETBACKS: FRONT: 30.00 FEET OR GREATER FOR EASEMENT REAR: 15.00 FT. OR GREATER FOR EASEMENTS OR APPROVED SITE PLAN. SIDE CORNER: 6.00 FT. OR GREATER FOR EASEMENTS OR APPROVED SITE PLAN.
4. BENCHMARK NOTE: THE FOLLOWING BENCHMARKS ARE IDENTIFIED ON THE FACE OF THE PLAT AND ON THE ATTACHED ENGINEERING PLANS.
5. DRAINAGE: IN ACCORDANCE WITH HIDALGO COUNTY AND HIDALGO COUNTY DRAINAGE DISTRICT No. 1 DRAINAGE REQUIREMENTS, THIS DEVELOPMENT WILL BE REQUIRED TO DETAIN A TOTAL OF 11,472 CUBIC- FEET (0.26 ACRE-FEET) OF STORM WATER RUNOFF. FOR LOT 1 3,824 CUBIC- FEET (0.087 ACRE-FEET), LOT 2 3,824 CUBIC- FEET (0.087 ACRE-FEET) AND LOT 3 3,824 CUBIC- FEET (0.087 ACRE-FEET). DRAINAGE RETENTION IN ACCORDANCE WITH THE LOCAL REQUIREMENTS WILL BE ACCOMPLISHED AS FOLLOWS: (SHEET 3 OF THIS PLAT DESCRIBES HOW DETENTION WILL BE ACCOMPLISHED.)
6. DRAINAGE EASEMENTS NOTE: NO FILL OR PERMANENT STRUCTURES SHALL BE ALLOWED WITHIN DRAINAGE EASEMENT. THE EASEMENT SHALL BE KEPT CLEAR OF FENCES, BUILDINGS, PLANTINGS, AND OTHER OBSTRUCTIONS THAT WOULD INTERFERE WITH THE OPERATION OF THE DRAINAGE EASEMENT. THE HOMEOWNERS OF DE LA GARZA SUBDIVISION SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE DRAINAGE EASEMENT.
7. NO STRUCTURE SHALL BE PERMITTED OVER ANY EASEMENT. EASEMENTS SHALL BE KEPT CLEAR OF FENCES, BUILDINGS, SHEDS, SHRUBS TREES, AND OTHER PLANTINGS (EXCEPT LOW, LESS THAN 18 INCHES MATURE HEIGHT, GROUND COVER, GRASS, OR FLOWERS) AND OTHER OBSTRUCTIONS THAT WOULD INTERFERE WITH THE OPERATIONS AND MAINTENANCE OF THE EASEMENT.
8. EACH PURCHASED CONTRACT MADE BETWEEN A SUBDIVIDER AND PURCHASER OF A LOT IN THIS SUBDIVISION SHALL CONTAIN A STATEMENT DESCRIBING HOW AND WHEN WATER, SEWER, ELECTRICITY, AND GAS SERVICES WILL BE MADE AVAILABLE TO THE SUBDIVISION.
9. ON-SITE SEWAGE FACILITIES (OSSF) NOTE: THIS SUBDIVISION SHALL USE ON-SITE SEWAGE FACILITIES IN ACCORDANCE WITH TCEQ AND HIDALGO COUNTY REGULATIONS FOR SEWAGE DISPOSAL. THE SUBDIVIDER IS RESPONSIBLE FOR PROVIDING AN OSSF ON ALL LOTS.
A. OSSF SYSTEM IS BEING DESIGNED FOR DISPOSAL OF DOMESTIC SEWAGE ONLY. A SEPARATE DESIGN SHALL BE SUBMITTED FOR COMMERCIAL USE AND MULTI-FAMILY USE.
B. EACH LOT ON THIS PLAT COMPLIES WITH THE MINIMUM 21,780 SQUARE FEET LOT AREA WITH POTABLE WATER SUPPLY.
C. OSSF SYSTEM SHALL REQUIRE INSPECTION AND APPROVAL BY HIDALGO COUNTY DESIGNATED REPRESENTATIVE.
D. SOIL ANALYSIS HAVE BEEN SUBMITTED TO THE HIDALGO COUNTY DESIGNATED REPRESENTATIVE AND EXCERPTS MAY BE ALSO SEEN ON THE UTILITY LAYOUT FOR THIS SUBDIVISION. THE ENGINEER HAS DETERMINED THAT THE SOIL IS SUITABLE FOR A STANDARD SEPTIC TANK AND ABSORPTIVE DRAINFIELD SYSTEM.
E. APPROVED "OSSF" PERMIT APPLICATION IS REQUIRED INCLUDING INDIVIDUAL LOT PLANNING MATERIALS PRIOR TO OCCUPANCY A LOT.
10. A SPECIAL DESIGN IS REQUIRED FOR ALL OSSF SYSTEMS LOCATED WITHIN A DESIGNATED FLOOD ZONE. THE DESIGN SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING ITEMS:
1. ANCHORING OF SEPTIC TANK(S)
2. BACK FLOW VALVES
3. SEPTIC TANK COVER SHALL BE ABLE TO SEAL.
11. JULIO LEONEL DE LA GARZA, THE OWNER & SUBDIVIDER OF DLG SUBDIVISION, RETAINS AN EASEMENT UPON EACH LOT FOR THE PURPOSE OF INSTALLING AN APPROVED OSSF ON THE LOT AS DESCRIBED ON SHEET NO. 2 OF THIS PLAT.
12. BY SIGNING THIS PLAT DEVELOPER AND ENGINEER CERTIFY THAT ALL EASEMENTS SHOWN COMPLY WITH THE SIZE REQUIRED BY EACH UTILITY PROVIDER OCCUPYING AN EASEMENT.
13. CLEARANCES FOR WATER METERS: AS PER LOCAL GOVERNMENT CODE REQUIREMENTS, SANITARY SEWER MUST BE CONNECTED TO A RESIDENCE PRIOR TO THE COUNTY PROCESSING A FINAL CLEARANCE FOR A WATER METER. A SEWER TAP INSPECTION SHALL BE PROVIDED FROM THE COUNTY PRIOR TO RECEIVING A CLEARANCE FOR WATER METER(S).
14. LOT OWNERS TO BE RESPONSIBLE OF MAINTAINING PRIVATE ROADS AND ROADSIDE DITCH.



HIDALGO COUNTY DRAINAGE DISTRICT NO. 1 CERTIFICATE

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1 HEREBY CERTIFIES THAT THE DRAINAGE PLANS FOR THIS SUBDIVISION COMPLY WITH THE MINIMUM STANDARDS OF THE DISTRICT ADOPTED UNDER TEXAS WATER CODE NO. 49.21(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 OF THE SUBDIVISION AND ITS ENGINEER TO MAKE THESE DETERMINATIONS.

HIDALGO COUNTY DRAINAGE DISTRICT NO. 1

RAUL E. SESIN, P.E., C.F.M. DATE \_\_\_\_\_ GENERAL MANAGER

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

WE THE UNDERSIGNED CERTIFY that this plat of the DLG SUBDIVISION was reviewed and approved by the Hidalgo County Commissioners Court on \_\_\_\_\_

Hidalgo County Judge \_\_\_\_\_ date \_\_\_\_\_ ATTEST: Hidalgo County Clerk \_\_\_\_\_ date \_\_\_\_\_

SHARYLAND WATER SUPPLY CORPORATION

Sharyland Conditional Approval Block for Preliminary Plats:

I, CARLOS LIMA, HEREBY CONDITIONALLY CERTIFY THAT POTABLE WATER SERVICE IS AVAILABLE FOR THE DLG SUBDIVISION LOCATED WITHIN HIDALGO COUNTY, TEXAS, SUBJECT TO THE SUBDIVISION'S POTABLE WATER SYSTEM MEETING THE APPROVAL OF THE DEVELOPER'S DESIGN ENGINEER, ALL APPLICABLE RULES AND REGULATIONS OF SHARYLAND WATER SUPPLY CORPORATION, AND LOCAL, STATE, AND FEDERAL AGENCIES.

DEVELOPER AND ITS DESIGN ENGINEER SHALL BEAR FULL RESPONSIBILITY TO ENSURE THAT THE ABOVE REFERENCED POTABLE WATER SYSTEM IS CONSTRUCTED WITHIN THE DESIGNATED SHARYLAND WATER SUPPLY CORPORATION EXCLUSIVE EASEMENT.

CARLOS LIMA DATE \_\_\_\_\_ GENERAL MANAGER SHARYLAND WATER SUPPLY CORPORATION

INDEX TO SHEETS OF TARS No.3 SUBDIVISION. SHEET 1: HEADING; INDEX; LOCATION MAP; PRINCIPAL CONTACTS; MAP; LOT, STREET, AND EASEMENT LAYOUT; DESCRIPTION (METES AND BOUNDS); ENGINEER'S AND SURVEYOR'S CERTIFICATION; PLAT NOTES AND RESTRICTIONS; OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION; SHARYLAND WATER SUPPLY CORPORATION AND COUNTY APPROVAL CERTIFICATE; COUNTY CLERK'S RECORDING CERTIFICATE; REVISION NOTES. SHEET 2: WATER AND ON-SITE SEWAGE FACILITIES DISTRIBUTION MAP, ENGINEERING REPORT (ENGLISH AND SPANISH VERSIONS), INCLUDING DESCRIPTION OF WATER AND ENGINEER'S CERTIFICATION (ENGLISH AND SPANISH VERSIONS); SUBDIVIDER CERTIFICATE AND STATEMENT. SHEET 3-4: SHARYLAND WATER SUPPLY CORPORATION DETAILS. SHEET 5: DRAINAGE PLAN, DRAINAGE REPORT, AND MAP OF TOPOGRAPHY.

S2 ENGINEERING, PLLC CIVIL ENGINEERING & LAND SURVEYING. TBPE F-22858 TBLS 10194796 2020 E GRIFFIN PKWY, MISSION, TX 78574 956-403-9787 S2ENGINEERINGPLLC.COM

# WATER DISTRIBUTION OF: DLG SUBDIVISION

A 4.11-ACRE (179,105.42 SQ FT.) TRACT OF LAND OUT OF LOT 16, SECTION 235, TEXAS-MEXICAN RAILWAY COMPANY'S SUBDIVISION OF LANDS IN THE LAS MESTENAS GRANT, HIDALGO COUNTY, TEXAS AS PER MAP OR PLAT THEREOF RECORDED IN VOLUME 1, PAGE 12, HIDALGO COUNTY MAP RECORDS, TEXAS CONVEYED TO JULIO LEONEL DE LA GARZA BY A GENERAL WARRANTY DEED RECORDED DATED NOVEMBER 5, 2021, HIDALGO COUNTY OFFICIAL RECORDS, TEXAS.

## PRELIMINARY ENGINEERING REPORT FOR DLG SUBDIVISION

BY JOSE N. SALDIVAR, P.E.

### WATER SUPPLY, DESCRIPTION AND COSTS

DLG SUBDIVISION WILL BE PROVIDED WITH POTABLE WATER BY THE WATER COMPANY OF SHARYLAND WATER SUPPLY CORPORATION (S.W.S.C.). THE SUBDIVIDER AND S.W.S.C. HAS SIGNED A CONTRACT BY WHICH, THE SUBDIVISION WILL RECEIVE SUFFICIENT WATER PROVISION FOR AT LEAST 30 YEARS AND S.W.S.C. HAS PROVIDED SUFFICIENT DOCUMENTATION TO ESTABLISH THE LONG TERM QUANTITY AND QUALITY OF THE AVAILABLE WATER SUPPLIES TO SERVE THE FULL DEVELOPMENT OF THIS SUBDIVISION.

WATER SYSTEM FOR DLG SUBDIVISION CONSISTS OF AN EXISTING 8" DIAMETER WATERLINE ALONG THE NORTH SIDE OF MILE 17 ROAD THAT WILL BE EXTENDED NORTH TO THE PROPOSED SUBDIVISION. SAID 8" LINE WILL RUN THROUGH WEST R.O.W. OF MON MACK ROAD INTO THE SUBDIVISION AND WILL TERMINATE WITH A 2" FLUSH VALVE.

FROM THE 8" DIAMETER WATERLINE, THERE IS ONE (1) 1" DUAL SERVICE LINE RUNNING TO A PAIR OF LOTS BEFORE SPLITTING INTO TWO 3/4" DIAMETER SINGLE SERVICE LINES THAT RUN INTO THE WATER METER BOXES FOR TWO LOTS AND ONE (1) 3/4" SINGLE SERVICE LINE THAT RUNS INTO THE WATER METER BOX FOR ONE LOT.

THE 8" WATERLINE, THE 1" DUAL SERVICE LINES, 3/4" SINGLE SERVICE LINE AND THE METER BOXES WILL BE INSTALLED, AT A TOTAL COST OF \$XXXXXXX, OR \$XXXXXX PER LOT, IN ADDITION THE SUBDIVIDER HAS PAID PAY S.W.S.C. THE AMOUNT OF \$\_\_\_\_\_ OR \$\_\_\_\_\_ PER LOT WHICH REPRESENTS THE TOTAL COST OF WATER METERS AND ALL MEMBERSHIPS OR OTHER FEES ASSOCIATED WITH CONNECTING THE INDIVIDUAL LOTS IN THE SUBDIVISION TO THE S.W.S.C. SYSTEM. THE SUBDIVIDER INSTALLED ONE (1) FIRE HYDRANTS AT A UNIT COST OF \$\_\_\_\_\_ FOR A TOTAL COST OF \$\_\_\_\_\_. THE ENTIRE WATER FACILITIES WILL BE APPROVED AND ACCEPTED BY S.W.S.C. AND SAID DISTRIBUTION SYSTEM IS OPERABLE AS OF THE DATE OF THE RECORDING OF THE PLAT.

### SEWAGE FACILITIES: DESCRIPTION AND COSTS.

ON-SITE SEWAGE FACILITIES DESCRIPTION, COST AND OPERABILITY DATES: SEWAGE FROM DLG SUBDIVISION IS TREATED BY INDIVIDUAL ON-SITE SEWAGE FACILITIES ("OSSF") CONSISTING OF A STANDARD DESIGN DUAL COMPARTMENT SEPTIC TANK AND A DRAINFIELD ON EACH LOT. THE SITE EVALUATOR (LICENSE NUMBER OS 12258) HAS EVALUATED THE SUITABILITY OF THE SUBDIVISION SITE FOR OSSF AND SUBMITTED A REPORT CONCLUDING THAT THE SITE IS SUITABLE FOR OSSF. THE REPORT WAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY HEALTH DEPARTMENT. EACH LOT HAS ADEQUATE AREA FOR A REPLACEMENT DRAIN FIELD.

EACH LOT IN THE EXISTING SUBDIVISION IS AT LEAST 1/2 ACRE IN SIZE. THE NATURAL RESOURCE CONSERVATION SERVICE SOIL SURVEY BOOK INDICATED A FINE SANDY LOAM, SANDY CLAY LOAM AND CLAY LOAM SOIL FOR THE AREA. THE SITE EVALUATOR (LICENSE NUMBER OS 12258) HAD TWO (2) TEST BORINGS MADE AT OPPOSITE AREAS OF THE SUBDIVISION AT THE CENTERS OF LOTS # AND # (ADDITIONAL BORINGS WERE UNNECESSARY BECAUSE THE SOILS ARE VERY UNIFORM WITHIN THIS LIMITED AREA). THE SOIL IS A UNIFORM SANDY LOAM (CLASS II) EXTENDING UP TO 36" BELOW THE BOTTOM OF ANY EXISTING EXCAVATIONS. THERE IS NO INDICATION OF GROUNDWATER OR A RESTRICTIVE LAYER WITHIN 24" OF BOTTOM OF THE EXISTING EXCAVATIONS. THE SUBDIVISION DRAINS WELL.

THE COST TO INSTALL A SEPTIC SYSTEM ON AN INDIVIDUAL LOT IS \$ 3,000.00, INCLUDING THE COST FOR THE REQUIRED PERMIT AND LICENSE. ALL OSSFS HAVE BEEN INSTALLED AS OF THE TIME OF APPLICATION FOR FINAL PLAT APPROVAL AT A TOTAL COST OF \$ 9,000.00. THE HIDALGO COUNTY HEALTH DEPARTMENT HAS INSPECTED AND APPROVED THE INSTALLATION OF ALL OSSF ON DATE.

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 THE WATER DISTRIBUTION AND SANITARY SEWER SYSTEM, DISCUSSED ABOVE, ARE AS FOLLOWS: WATER FACILITIES - THESE FACILITIES FULLY CONSTRUCTED, WITH THE INSTALLATION OF WATER METERS, WILL COST A GRAND TOTAL OF \$\_\_\_\_\_ WHICH EQUALS TO \$\_\_\_\_\_ PER LOT. SEWAGE FACILITIES - THESE FACILITIES ARE FULLY CONSTRUCTED WITH A COST OF \$\_\_\_\_\_ WHICH EQUALS TO \$\_\_\_\_\_ PER LOT.

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## REPORTE PRELIMINAR DE INGENIERIA PARA LA SUBDIVISION DLG SUBDIVISION

BY JOSE N. SALDIVAR, P.E.

### PROVISION DE AGUA: DESCRIPCION, GASTOS Y FECHAS DE INICIO N DE AGUA:

DLG SUBDIVISION HA SIDO PROMISTA DE AGUA POTABLE POR LA COMPAÑIA DE AGUA DE SHARYLAND WATER SUPPLY CORPORATION (S.W.S.C.). EL DUEÑO DE LA SUBDIVISION Y LA COMPAÑIA DE AGUA S.W.S.C. SE HA COMPROMETIDO A PROVEER DE AGUA SUFFICIENTE A LA SUBDIVISION POR UN PERIODO DE 30 AÑOS. LA COMPAÑIA DE AGUA S.W.S.C. HA PRESENTADO LA DOCUMENTACION DEMOSTRANDO LA DISPONIBILIDAD DE CANTIDAD Y CALIDAD DE AGUA A LARGO PLAZO QUE SERVIRA PARA EL FUTURO DESARROLLO DE LA SUBDIVISION. S.W.S.C. TIENE UNA LINEA DE AGUA DE 8" DE DIAMETRO QUE CORRE POR EL LADO NORTE DE MILE 17 ROAD.

EL SISTEMA DE PROVISION DE AGUA PARA LA SUBDIVISION CONSISTE DE UNA LINEA DE AGUA DE 8" DE DIAMETRO QUE SE ESTA EXTENDIENDO DE UNA LINEA EXISTENTE DE 8" DE DIAMETRO A LADO NORTE DE LA MILLA 17. DEL CONDUCTO DE AGUA DE 8 PULGADAS SE PRODUCEN UNO (1) DOBLE-CONDUCTOS DE AGUA DE 1 PULGADA DE DIAMETRO PARA DOS LOTES. ESTOS CONDUCTOS SE SEPARAN PARA PRODUCIR DOS CONDUCTOS DE AGUA DE 3/4" DE PULGADA DE DIAMETRO PARA DOS LOTE Y UNO (1) SERVICIO DE 3/4" DE PULGADA DE DIAMETRO PARA UN LOTE.

EL DOBLE-CONDUCTOS DE AGUA DE 1 PULGADA DE DIAMETRO, EL INDIVIDUAL CONDUCTO DE AGUA DE 3/4" DE PULGADA DE DIAMETRO PARA UN LOTE, Y LOS MEDIDORES MECANICOS DE AGUA A UN COSTO TOTAL DE US\$ XXXXXXXX O US\$ XXXXXX POR LOTE. EL DUEÑO DE LA SUBDIVISION TAMBIEN LE HA PAGADO A LA COMPAÑIA S.W.S.C. US\$ XXXXXXXX, QUE CUBRE EL COSTO DEL MEDIDOR MECANICO DE AGUA PARA CADA LOTE, US\$ XXXXXXXX. ESTE PRECIO INCLUYE EL COSTO DE LA INSTALACION DE CADA MEDIDOR Y LOS GASTOS DE CONEXION. CUANDO EL DUEÑO DE CADA LOTE SOLICITE UN MEDIDOR DE AGUA, LA COMPAÑIA S.W.S.C. LO INSTALARA SIN ALGUN GASTO AL DUEÑO. EL DUEÑO DE LA SUBDIVISION TAMBIEN HA INSTALADO UN (1) BOCAS DE RIEGO (FIRE HYDRANT) A UN COSTO DE \$\_\_\_\_\_ POR CADA UNO CUAL GASTA UNA CANTIDAD TOTAL \$\_\_\_\_\_. EL SISTEMA DE AGUA ESTARA EN FUNCIONAMIENTO COMPLETO ANTES O EN LA FECHA, EN LA CUAL LA SUBDIVISION SEA REGISTRADA EN EL CONDADO DE HIDALGO.

### DRENAJE: DESCRIPCION, GASTOS Y FECHA DE INICIO PARA FACILITAR EL DRENAJE PARA LA SUBDIVISION

SE INSTALARA UNA FOSA SEPTICA EN CADA SOLAR DE LA SUBDIVISION DLG ESTA FOSA SEPTICA CONSISTE EN UN TANQUE SEPTICO DE MODELO DUAL Y DE UN CAMPO DE DRENAJE PARA EL SOLAR. EL EVALUADOR (LIC# OS 12258) AUTOR DE ESTE DOCUMENTO HA EVALUADO EL AREA DONDE SE ENCUENTRA LA SUBDIVISION Y HA PREPARADO UN REPORTE QUE CONCLUYE QUE ESTE TERRENO ES ADECUADO PARA ESAS FOSAS SEPTICAS (OSSF). EL REPORTE FUE APROBADO POR EL DEPARTAMENTO DE SALUBRIDAD DEL CONDADO DE HIDALGO (HIDALGO COUNTY HEALTH DEPARTMENT) SEGUN EL REPORTE.

CADA LOTE EN LA SUBDIVISION MIDE MEDIO ACRE. EL EVALUADOR (LIC# OS 12258) HIZO DOS (2) PRUEBAS CON AGUJEROS EN EL CENTRO DE LOS LOTES 1,2&3 (EXCAVACIONES ADICIONALES NO FUERON NECESARIAS PORQUE EL TERRENO EN ESTA AREA ES SIGNIFICATIVAMENTE UNIFORME) EL TERRENO ES UNIFORME FRANCO ARENOSO (CLAS II) Y SE EXTIENDE A 36 PULGADAS BAJO TODAS LAS EXCAVACIONES PROPUESTAS. NO EXISTE EVIDENCIA DE AGUA 24 PULGADAS MAS ARRIBA DE LO MAS BAJO DE LAS EXCAVACIONES PROPUESTAS. EL AGUA EN ESTA AREA FLUYE BIEN.

EL COSTO TOTAL PARA LA INSTALACION DE UN SISTEMA INDIVIDUAL DE FOSAS SEPTICAS POR SOLAR SON US\$ 3,000.00, INCLUYENDO EL COSTO DEL PERMISO REQUERIDO Y LICENCIA. EN ESTOS MOMENTOS TODAS LAS FOSAS SEPTICAS HAN SIDO INSTALADAS EN EL PROCESO DE LA APROBACION FINAL. A UN COSTO TOTAL DE US \$9,000.00 EL DEPARTAMENTO DE SALUBRIDAD DEL CONDADO DE HIDALGO HA INSPECCIONADO TODOS LAS FOSAS SEPTICAS Y AH APROBADO LA INSTALACION DE LAS FOSAS SEPTICAS DESDE \_\_\_\_\_.

CON MI FIRMA, CERTIFICO QUE LOS SERVICIOS Y SISTEMAS DE AGUA Y DE DRENAJE, DESCRITOS EN ESTE DOCUMENTO CUMPLEN CON LAS MODEL SUBDIVISION RULES (LAS REGLAS GOBERNANDO A LAS SUBDIVISIONES), ADOPTADAS EN LA SECCION 16.343 DEL TEXAS WATER CODE (CODIGO DE AGUA DE TEXAS). CERTIFICO QUE LOS GASTOS PARA INSTALAR LOS SISTEMAS DE AGUA Y DE DRENAJE SON: AGUA: EL SISTEMA/SERVICIO DE AGUA SERA INSTALADO Y COMPLETAMENTE CONSTRUIDO MENOS EL MEDIDOR MECANICO DE AGUA QUE COSTARAN \$\$\$\$ POR SOLAR. EL DUEÑO DE LA SUBDIVISION LE HA PAGADO UN TOTAL DE \$\$\$\$\$\$ A LA CIUDAD PARA LA INSTALACION DEL MEDIDOR MECANICO DE AGUA. DRENAJE: EL SISTEMA DE DRENAJE SANITARY COSTO \$\$\$\$ O \$\$\$\$ POR LOTE.

### SUBDIVIDER CERTIFICATION

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

### SUBDIVIDER STATEMENT:

1.- I (WE), JULIO LEONEL DE LA GARZA SUBDIVIDERS OF DLG SUBDIVISION HEREBY CERTIFY SEWER PERMITS, AS APPLICABLE, HAVE BEEN PAID AND COPIES OF RECEIPTS ARE ON FILE WITH THE HIDALGO COUNTY HEALTH DEPARTMENT AND THAT AN ADEQUATE DRINKING WATER SOURCE IS IMMEDIATELY AVAILABLE TO EACH LOT OF THE TYPE, QUALITY & QUANTITY TO ENABLE EACH PERSON PURCHASING A LOT HAVE ADEQUATE WATER TO COMPLY WITH THE REGULATIONS AND THE LAWS OF THE STATE AS REQUIRED BY STATE AND COUNTY REGULATIONS.

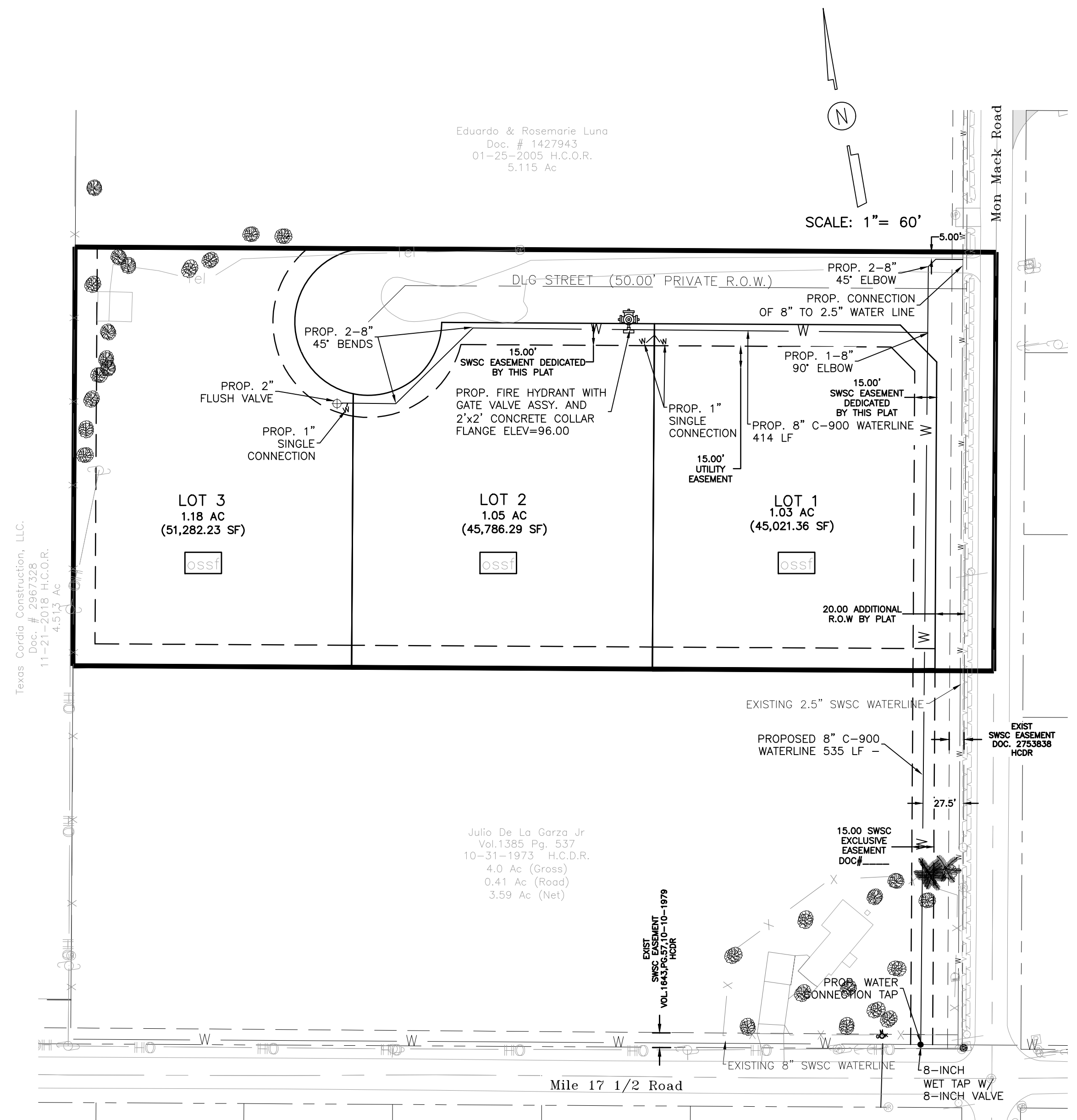
\_\_\_\_\_  
JULIO LEONEL DE LA GARZA, DATE  
2201 MON MACK RD  
EDINBURG, TEXAS, 78541

STATE OF TEXAS  
COUNTY OF HIDALGO

BEFORE ME, the undersigned notary public, on this day personally appeared JULIO LEONEL DE LA GARZA, MEMBER OF DE LA GARZA 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 he executed the same for the purposes and consideration thereby expressed.

Given under my hand and seal of office this day of \_\_\_\_\_ 2024

\_\_\_\_\_  
NOTARY PUBLIC- STATE OF TEXAS



- GENERAL CONSTRUCTION NOTES:**
- ALL EXISTING WATER LINES TO BE C-900 DR-25.
  - CONTRACTOR TO INSTALL 3/4" SERVICE CONNECTIONS TO EVERY LOT & ALL SERVICES TO BE LOCATED IN FRONT OF LOTS APPROXIMATELY TWO (2) FEET FROM LOT LINE. CONTRACTOR TO UTILIZE SINGLE & DOUBLE SERVICE CONNECTIONS AS NEEDED.
  - CONTRACTOR TO NOTIFY ALL UTILITY COMPANIES FOR VERIFICATION OF CONFLICTS PRIOR TO CONSTRUCTION ON SITE.
  - SEE WATER DETAIL SHEET FOR MORE INFORMATION.
  - THE RESIDENTIAL LOTS SHOULD REFLECT SERVICE BY A 3/4" METER.

**COST ESTIMATE**

WATER DISTRIBUTION:	\$_____
PAVING IMPROVEMENTS:	\$_____
DRAINAGE IMPROVEMENTS:	\$_____
OSSF IMPROVEMENTS:	\$_____
<b>TOTAL:</b>	<b>\$_____</b>

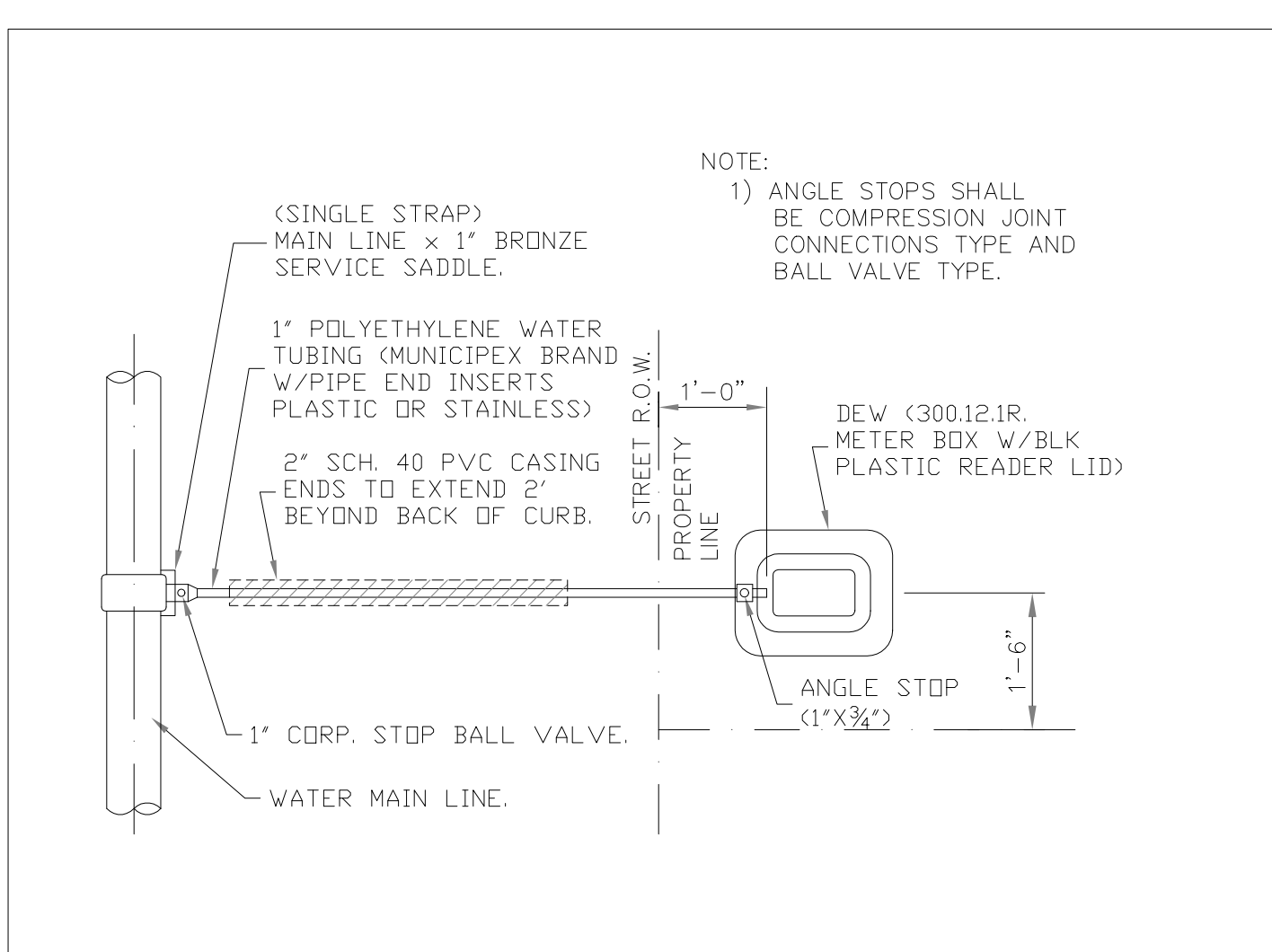
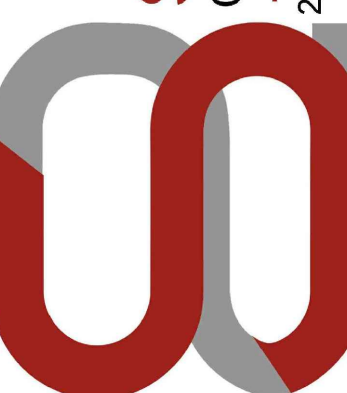
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PRELIMINARY

DLG SUBDIVISION  
UTILITIES LAYOUT

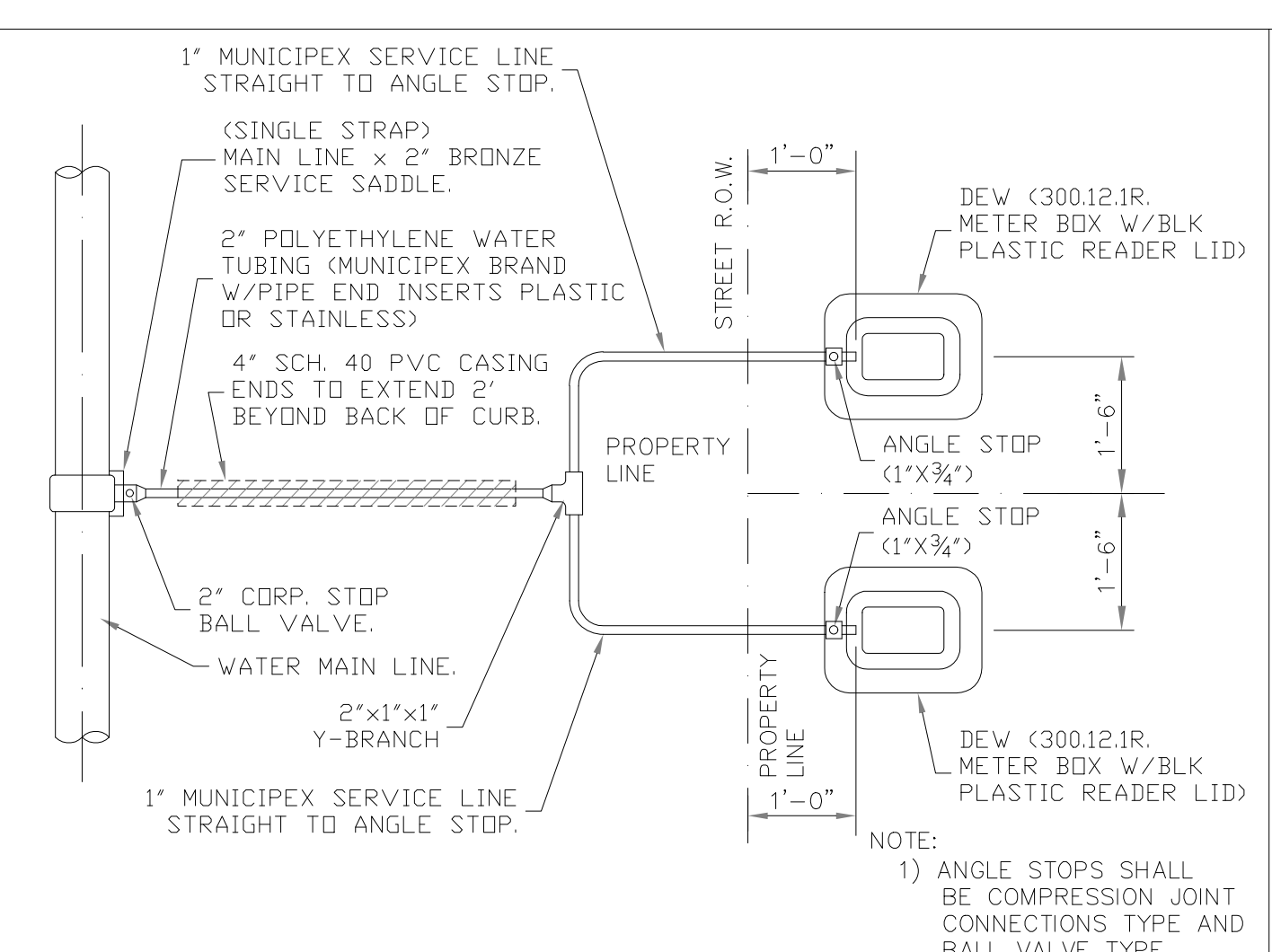
**S2 ENGINEERING, PLLC**  
CIVIL ENGINEERING & LAND SURVEYING  
2020 E GRIFFIN PKWY, MISSION, TX 78574  
956-405-9787  
S2ENGINEERINGPLLC.COM





**W-1 RESIDENTIAL SINGLE WATER SERVICE CONNECTION**

NOTES:  
A. SAND BEDDING PLACED, HAND LEVELED, AND COMPACTED BEFORE PIPE IS LAID, UP TO BOTTOM OF PIPE (MIN. THICKNESS = 6").  
B. SAND BACKFILL PLACED AND COMPACTED AFTER PIPE IS LAID, FROM BOTTOM OF PIPE TO 6" ABOVE THE TOP OF PIPE. WORK IN UNDER PIPE HANNIES AND CONTACT BY HAND TO SPRING LINE. USE VIBRATORY-TYPE COMPACTORS FOR LIFTS ABOVE THE SPRING LINE. MAXIMUM 6" LIFTS.  
C-1. (CITY STREETS, PARKING AREA, AND DRIVEWAYS) SELECT EXCAVATED BACKFILL MECHANICALLY COMPACTED TO 95% STANDARD PROCTOR DENSITY IN 8" MAX. LIFTS.  
C-2. (STATE MAINTAINED ROADWAYS) SAND/CEMENT STABILIZED BACKFILL WITH 7% PORTLAND CEMENT COMPACTED TO 95% STANDARD PROCTOR DENSITY.  
D. EXCAVATED EARTH BACKFILL MECHANICALLY COMPACTED IN 12" MAX. LIFTS. MINIMUM STANDARD PROCTOR DENSITY: 90% OUTSIDE RIGHT OF WAY; 95% INSIDE RIGHT OF WAY.  
E. EMBEDMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM D 2321. EMBEDMENT MATERIAL SHALL BE CLASS # OR III WITH < 50# PASSING A No. 200 SIEVE AND PLASTICITY INDEX < 7.  
WHERE THIS STANDARD CONFLICTS WITH THE RECOMMENDATION OF ANY GEOTECHNICAL REPORT, OBTAIN WRITTEN CLARIFICATION FROM THE UTILITY ENGINEER PRIOR TO CONSTRUCTION.  
FOUNDATION PREPARATION USING COBBLES, GRAVEL, CEMENT STABILIZATION, OR OTHER METHODS AS DIRECTED BY THE ENGINEER SHALL BE REQUIRED WHEN TRENCH BOTTOM IS UNSTABLE.  
BACKFILLING AT STRUCTURES SHALL BE PLACED IN UNIFORM LAYERS, AND COMPACTED TO 95% STANDARD PROCTOR DENSITY IN 6" MAXIMUM LIFTS. STRUCTURE BACKFILL MATERIAL SHALL BE SAND.  
GENERAL NOTES:  
1. THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING WITH ALL APPROPRIATE UTILITY COMPANIES FOR THE LOCATION OF ALL UTILITIES WITHIN CONSTRUCTION AREA.  
2. ALL EXIST. UTILITIES ARE AT APPROXIMATE LOCATIONS.  
3. THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE BASED ON OBSERVATION OF ABOVEGROUND STRUCTURES, LINES SPOTTED BY THE OWNER, AND UTILITY SPOTTING. ACTUAL LOCATION OF THESE UTILITIES MAY VARY, AND ADDITIONAL BURIED UTILITIES MAY BE ENCOUNTERED UPON EXCAVATION.  
4. BEFORE BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL CALL FOR UTILITY SPOTTING BY THE APPROPRIATE AGENCY AND VERIFY THE LOCATION OF THESE UTILITIES TO HIS SATISFACTION.  
5. ANY DAMAGE CAUSED TO EXISTING STRUCTURES AND/OR UTILITIES BY THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CORRECT AT HIS EXPENSE.  
6. ANY DAMAGE TO PROPERTY, OUTSIDE THE CONSTRUCTION ZONE, CAUSED BY THE CONTRACTOR, SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CORRECT AT HIS EXPENSE.



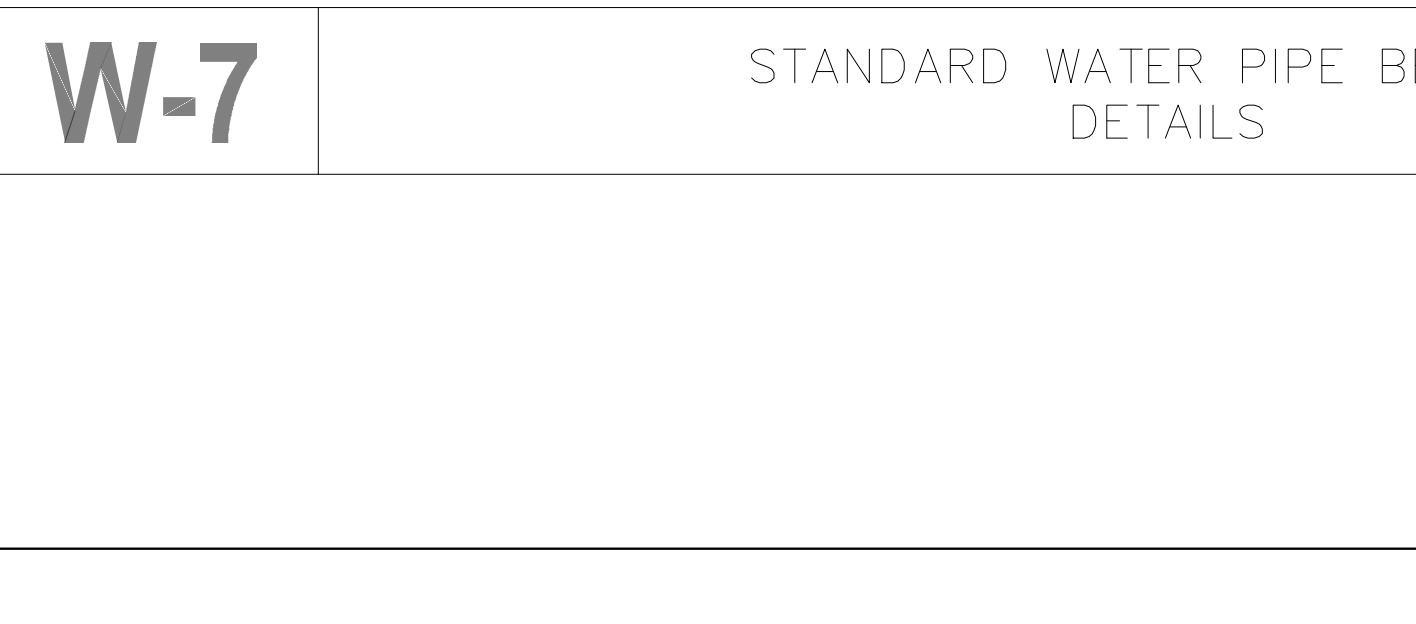
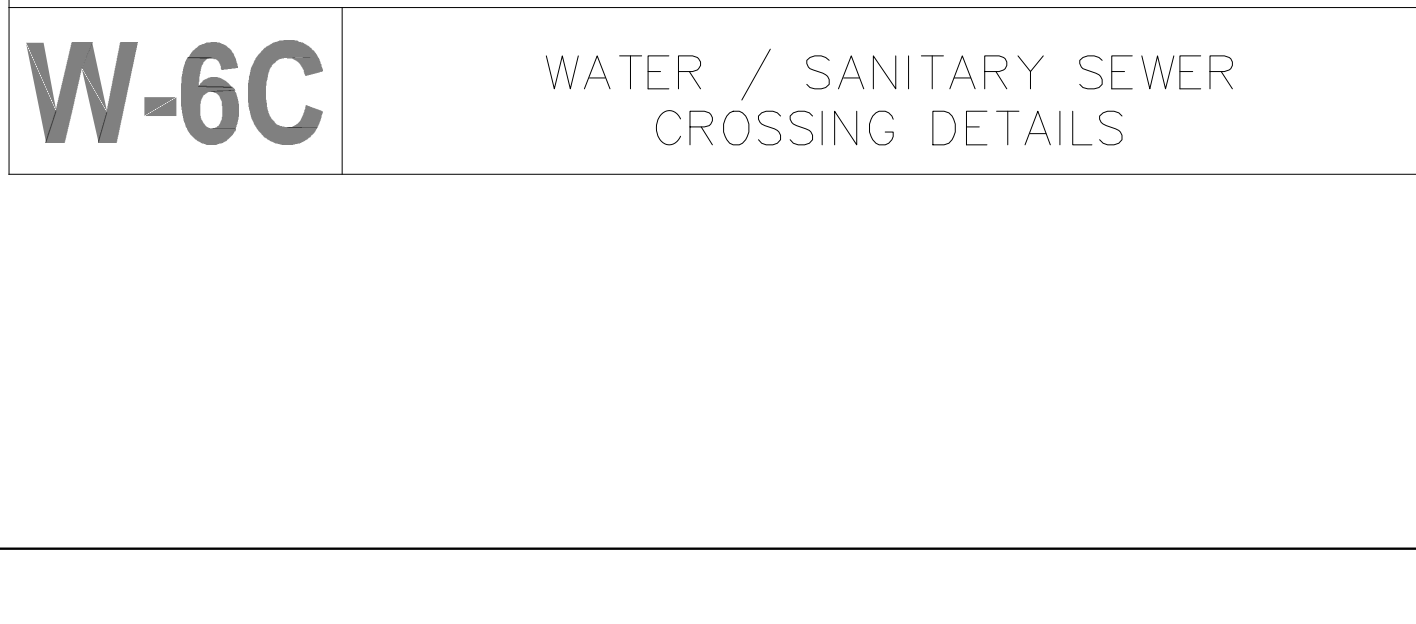
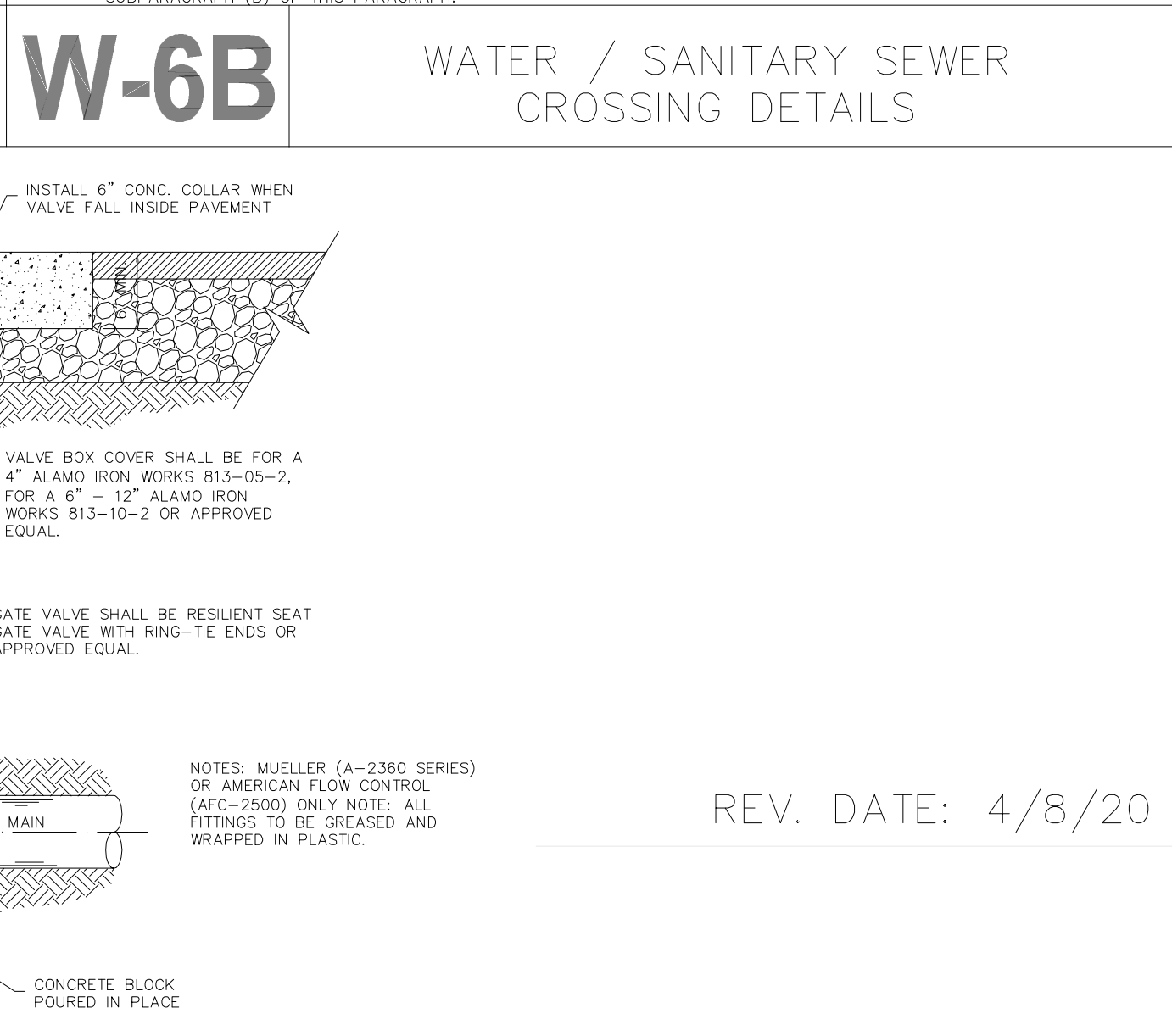
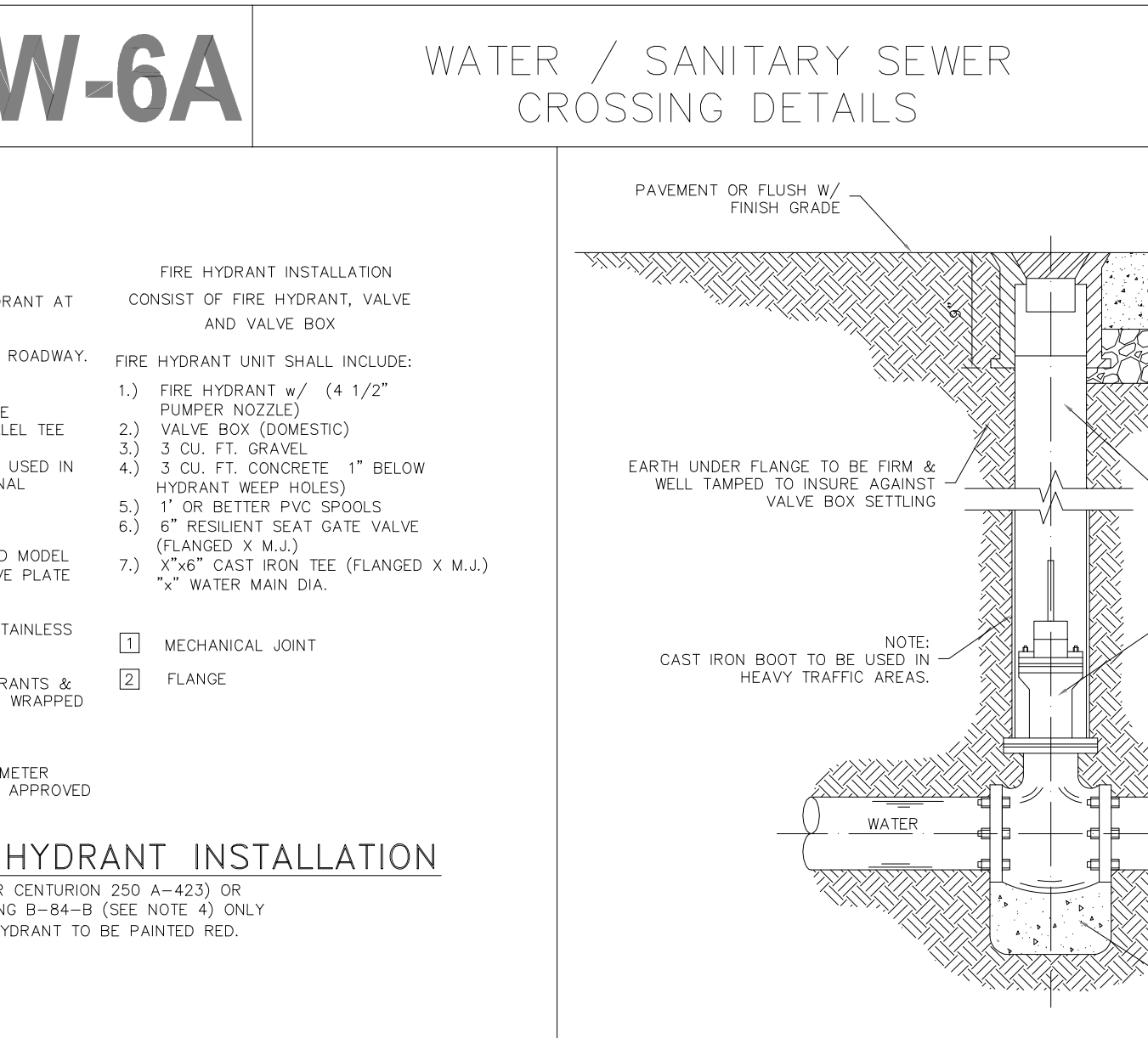
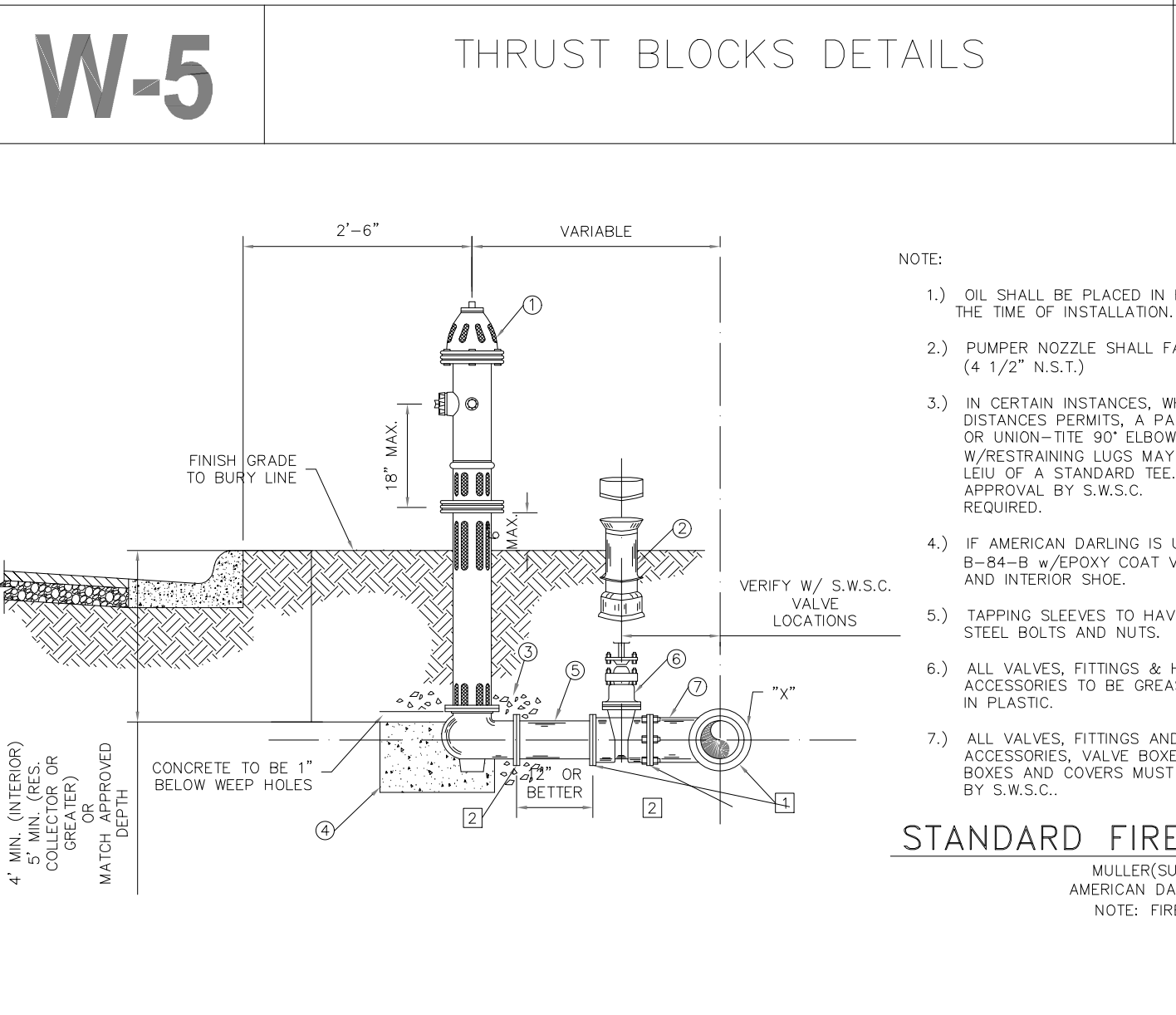
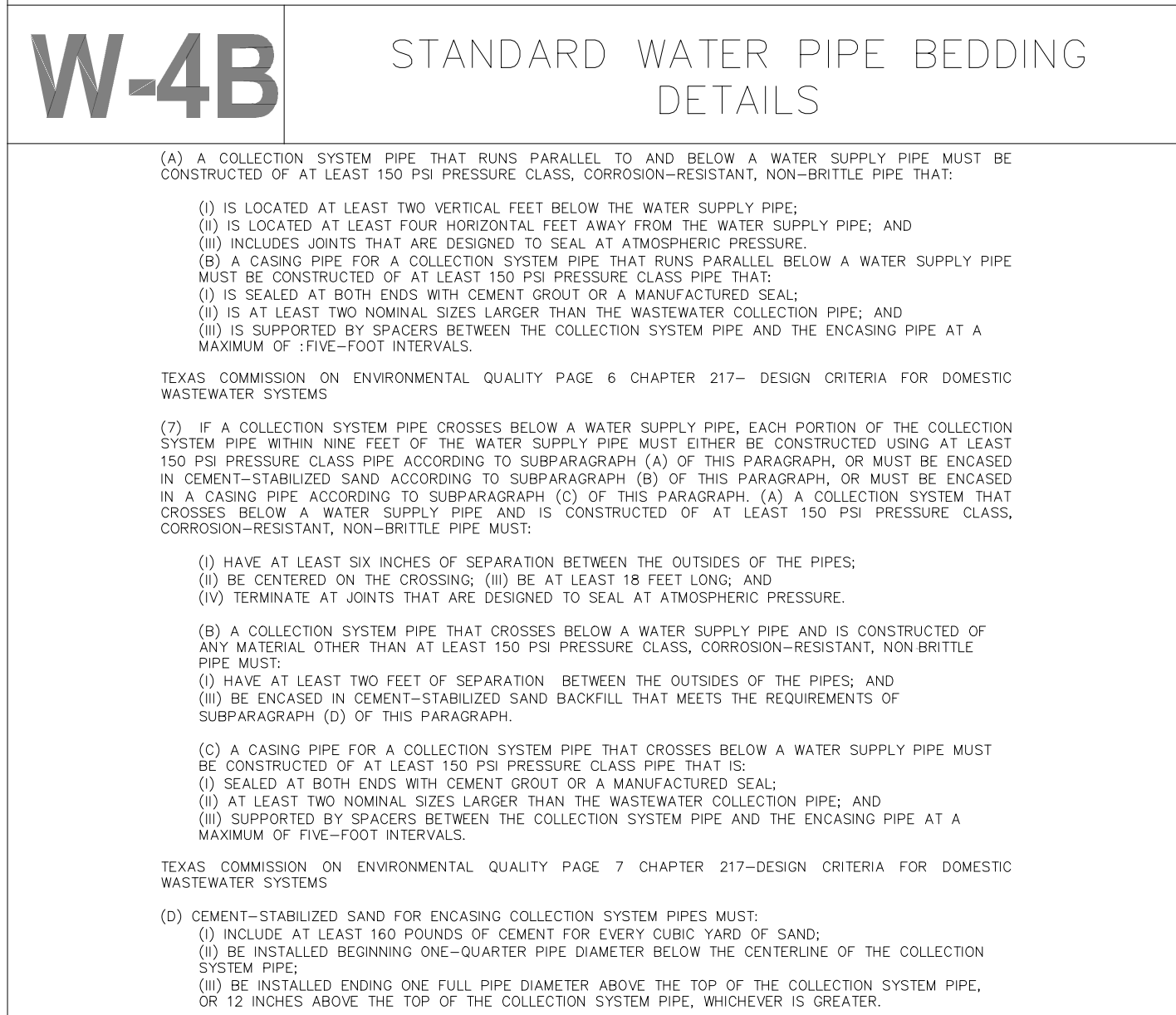
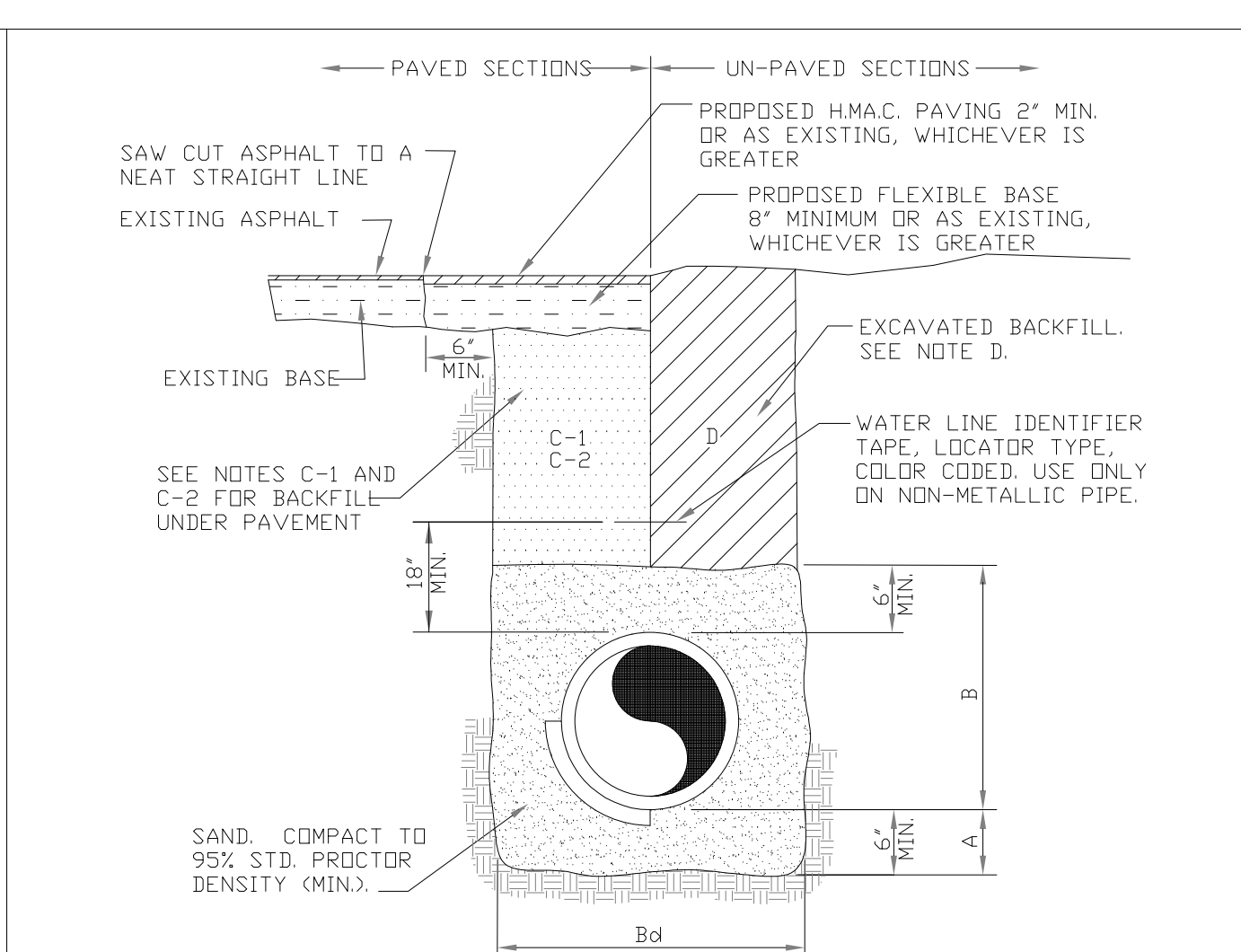
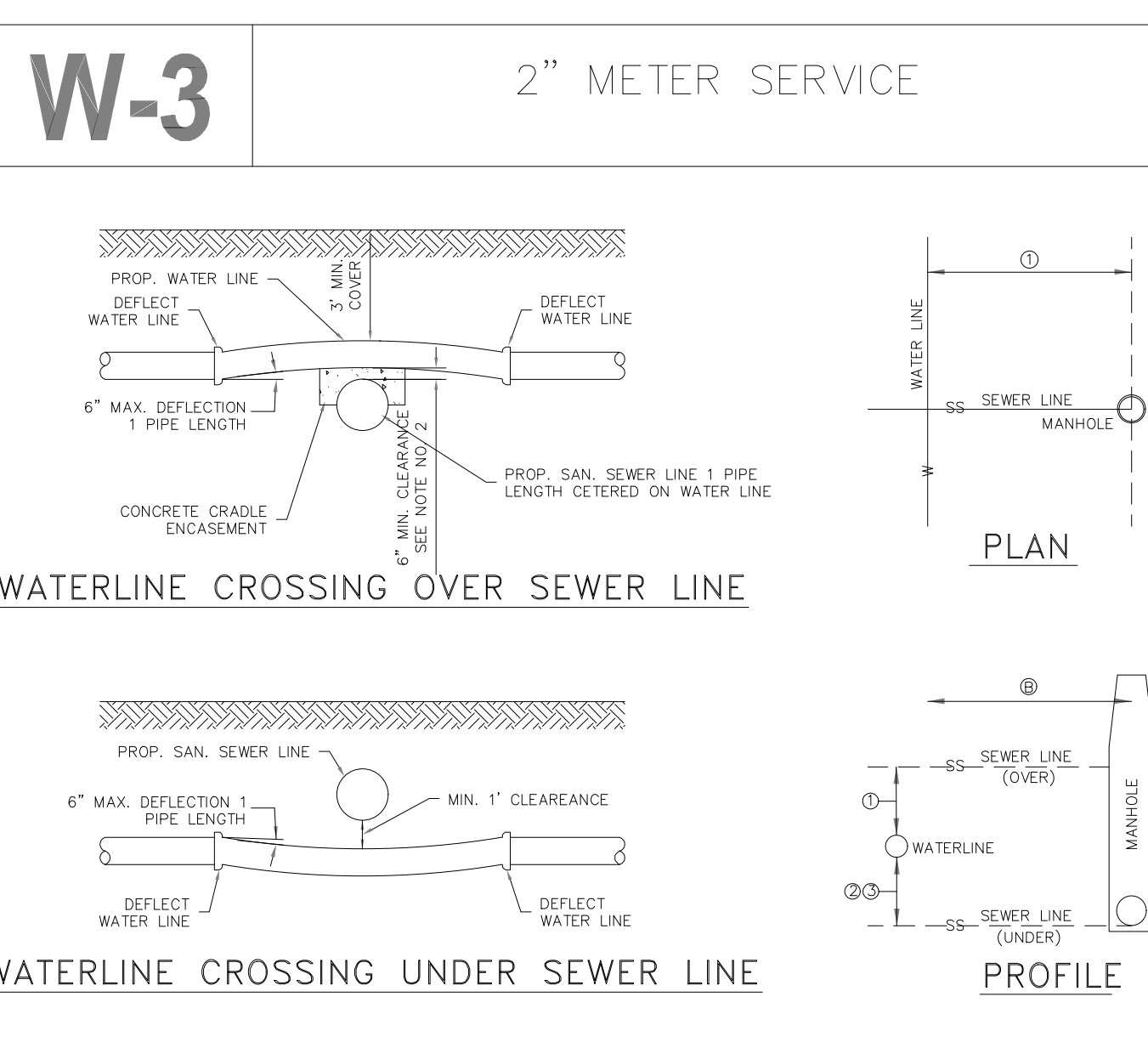
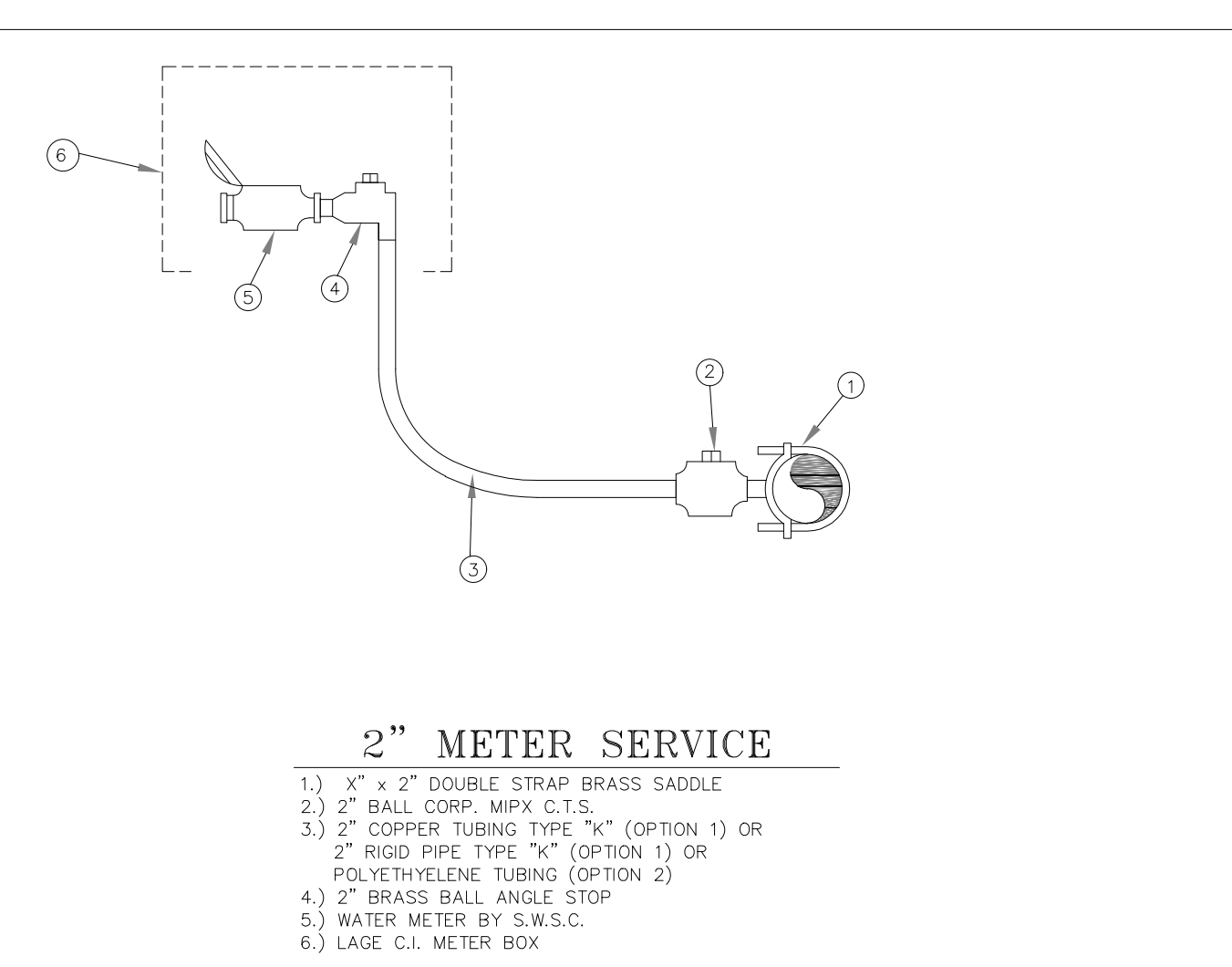
**W-2 RESIDENTIAL DUAL WATER SERVICE CONNECTION**

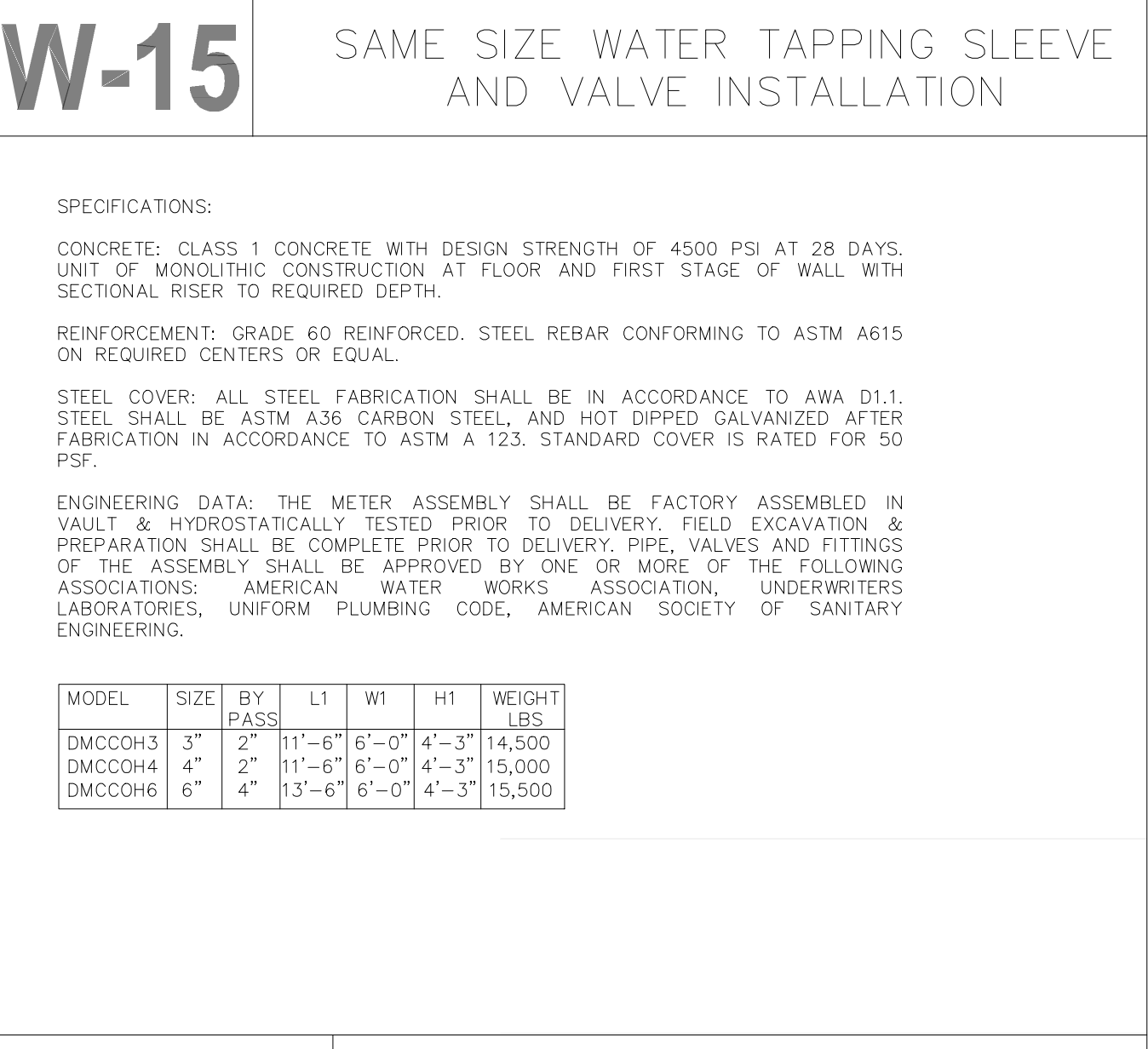
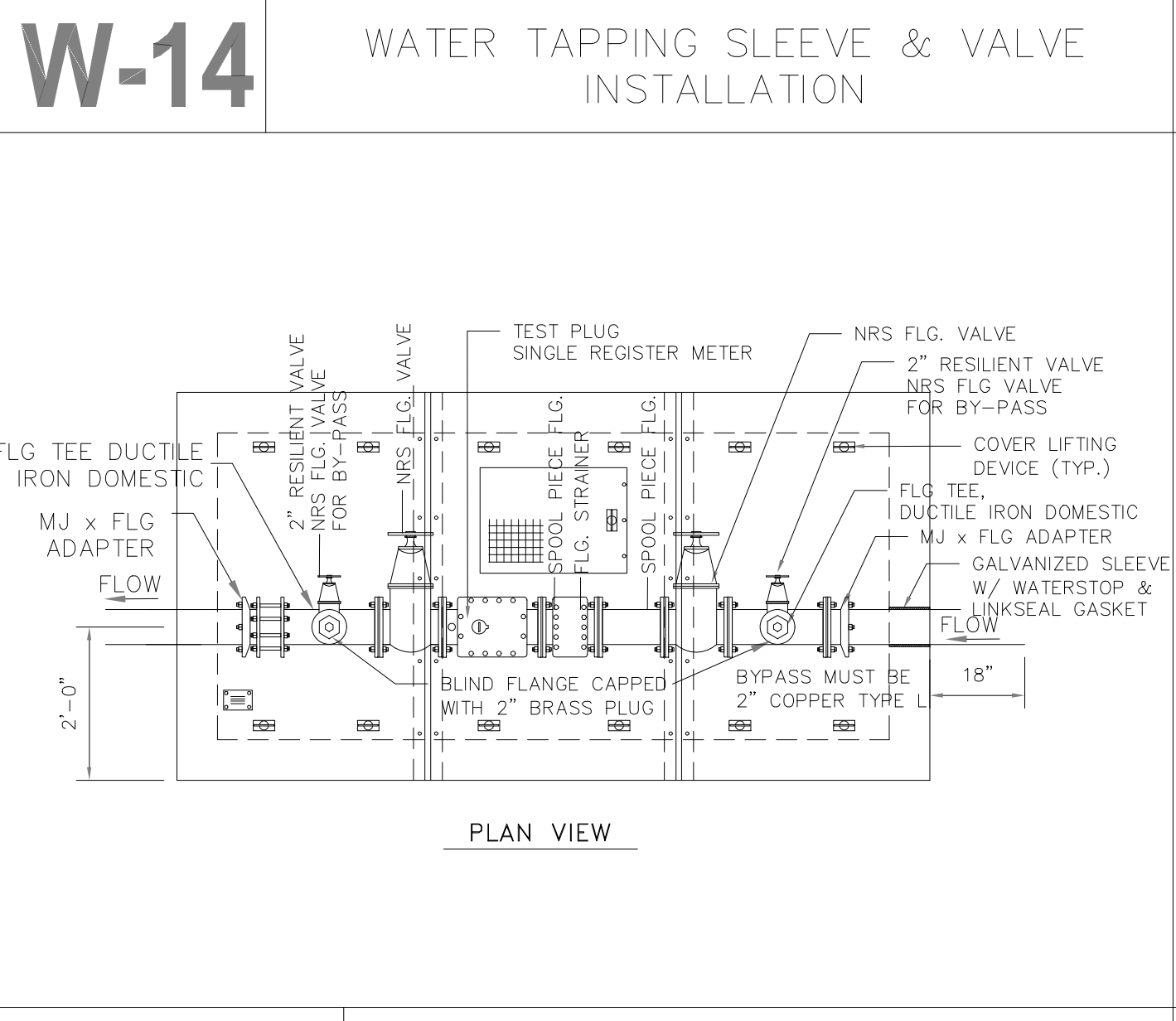
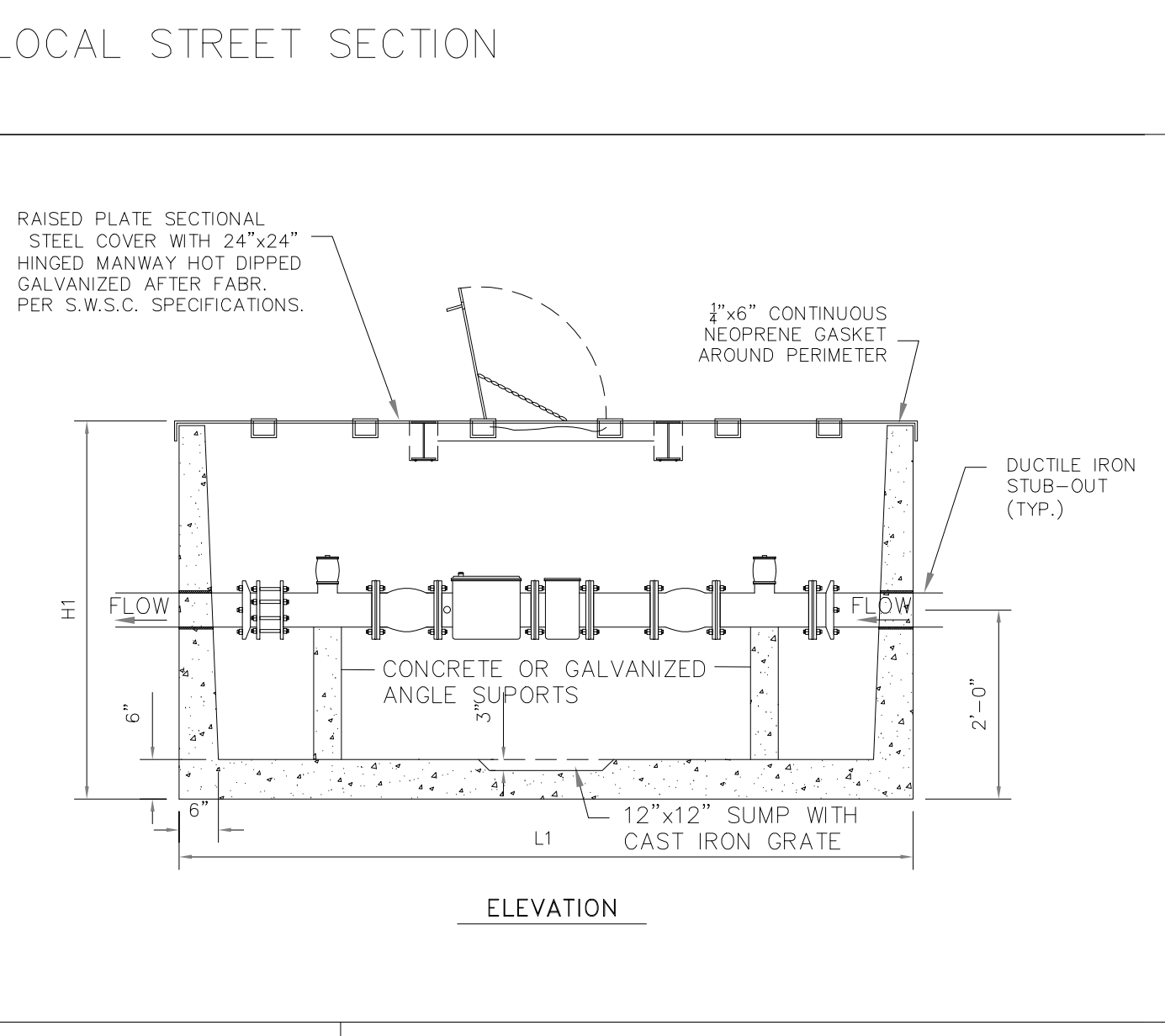
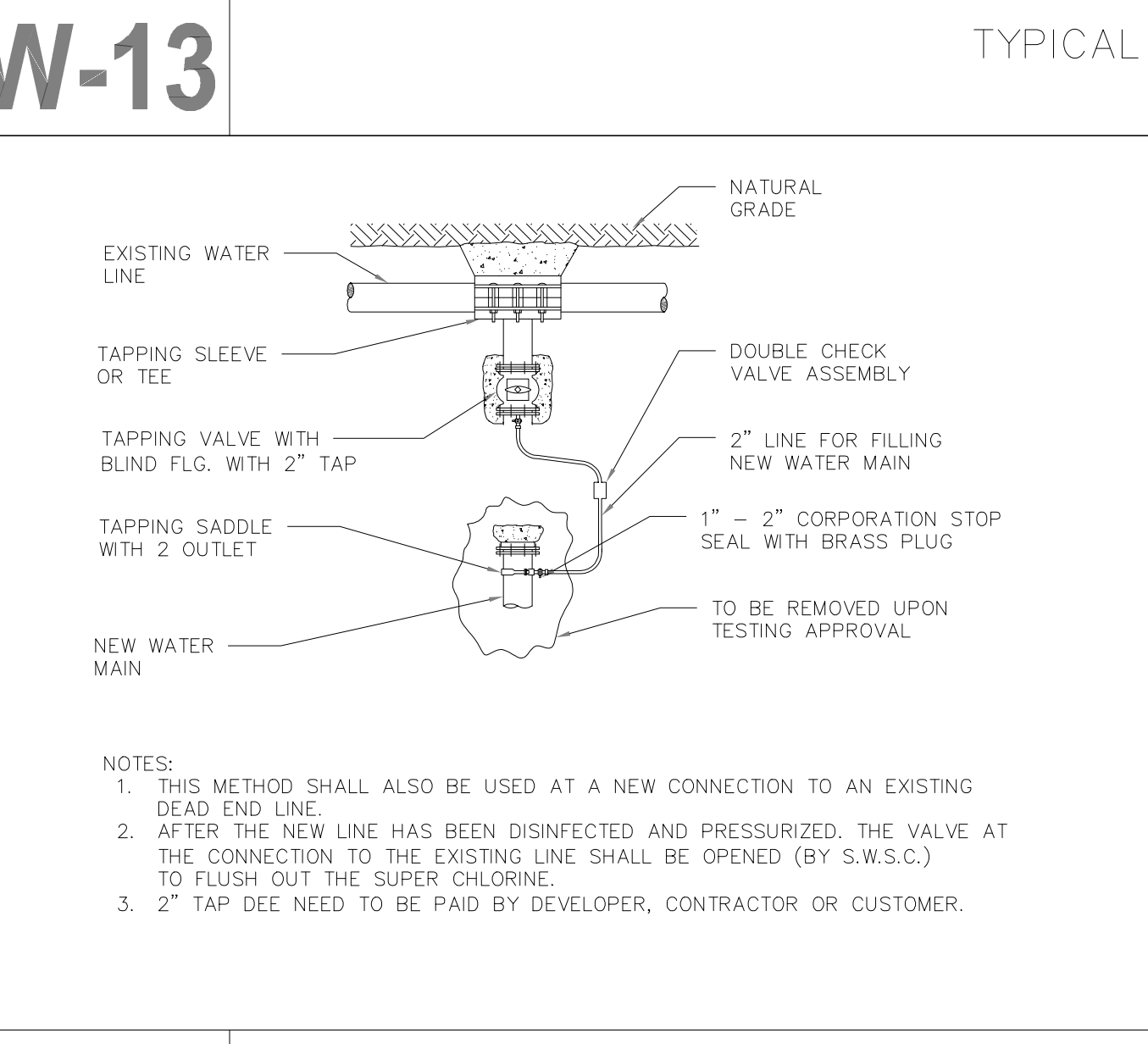
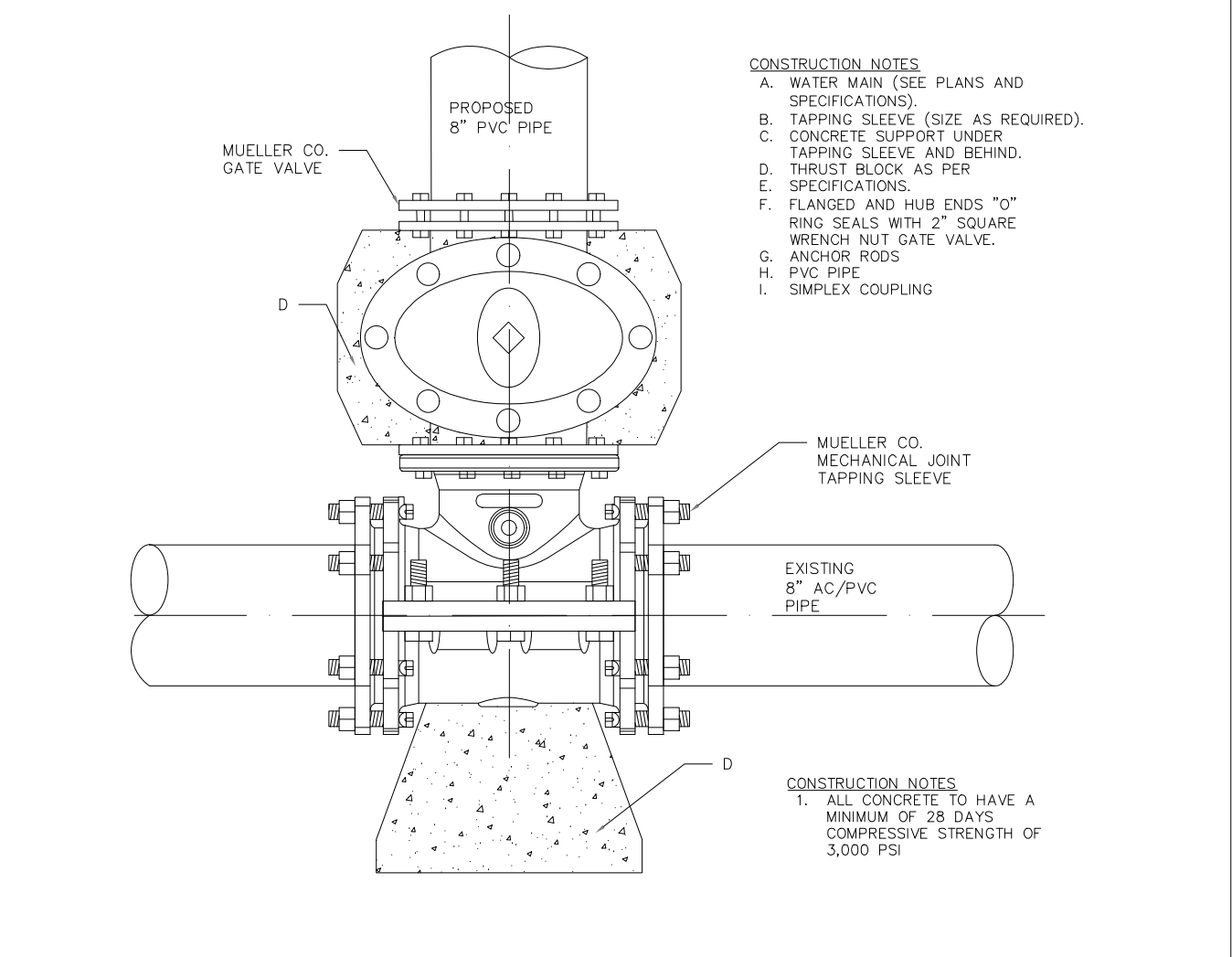
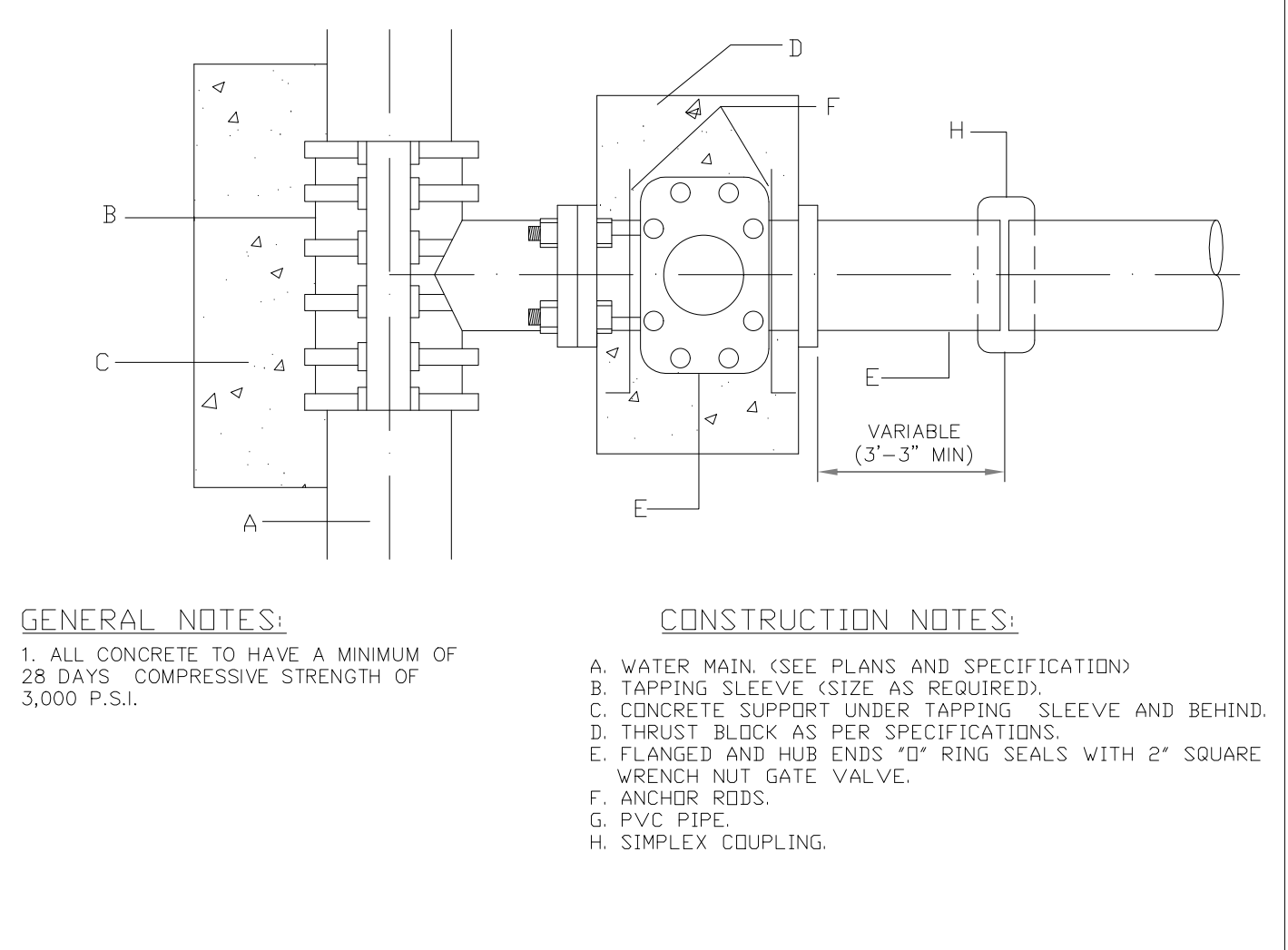
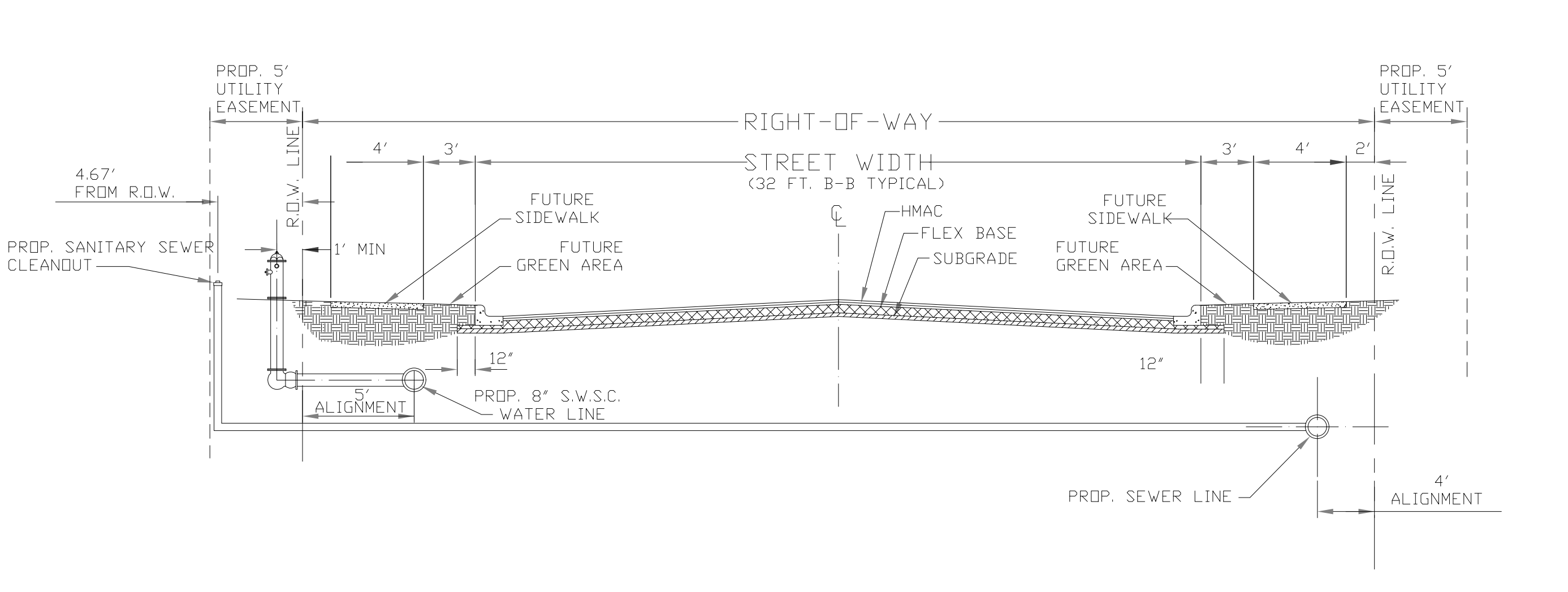
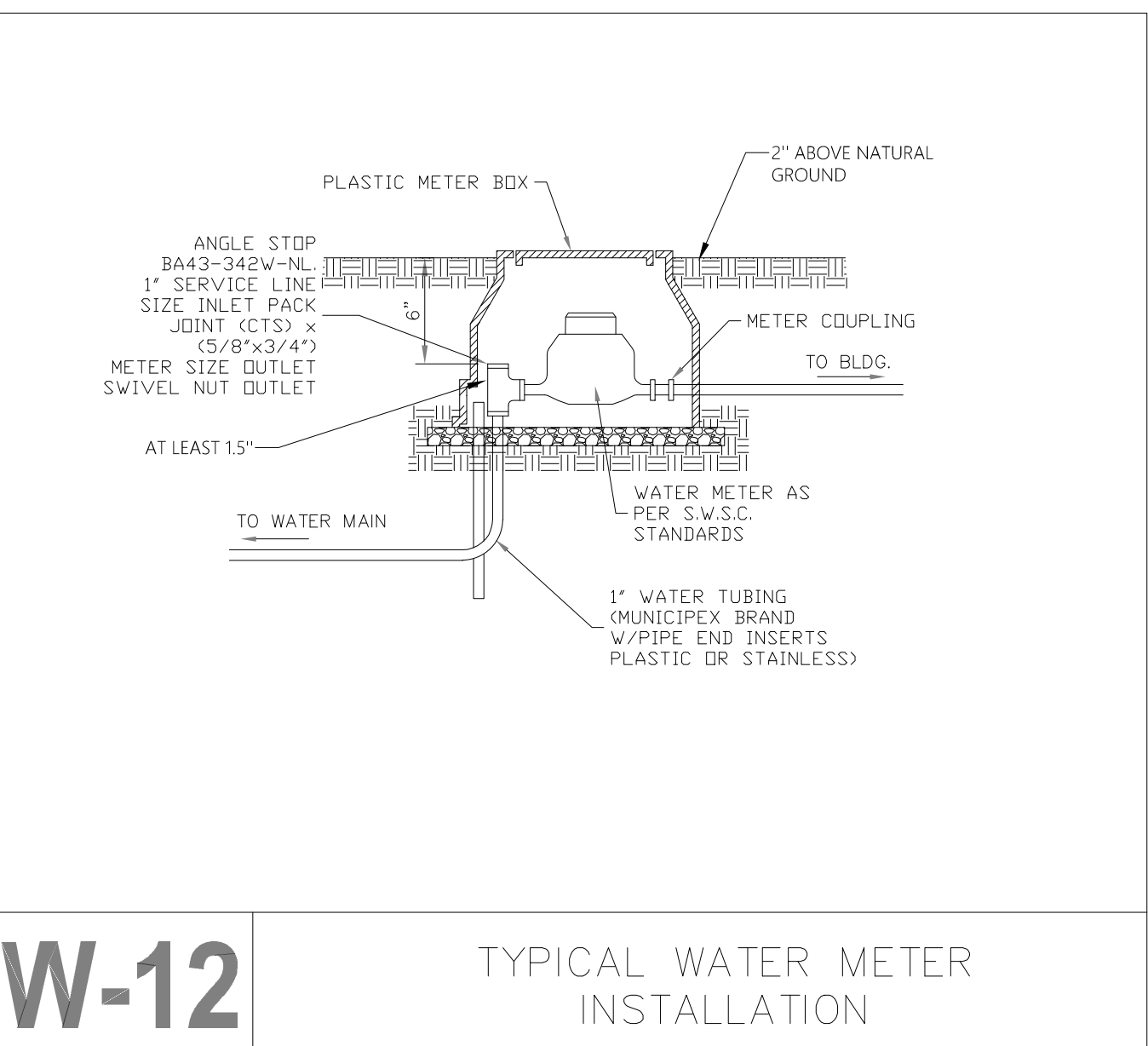
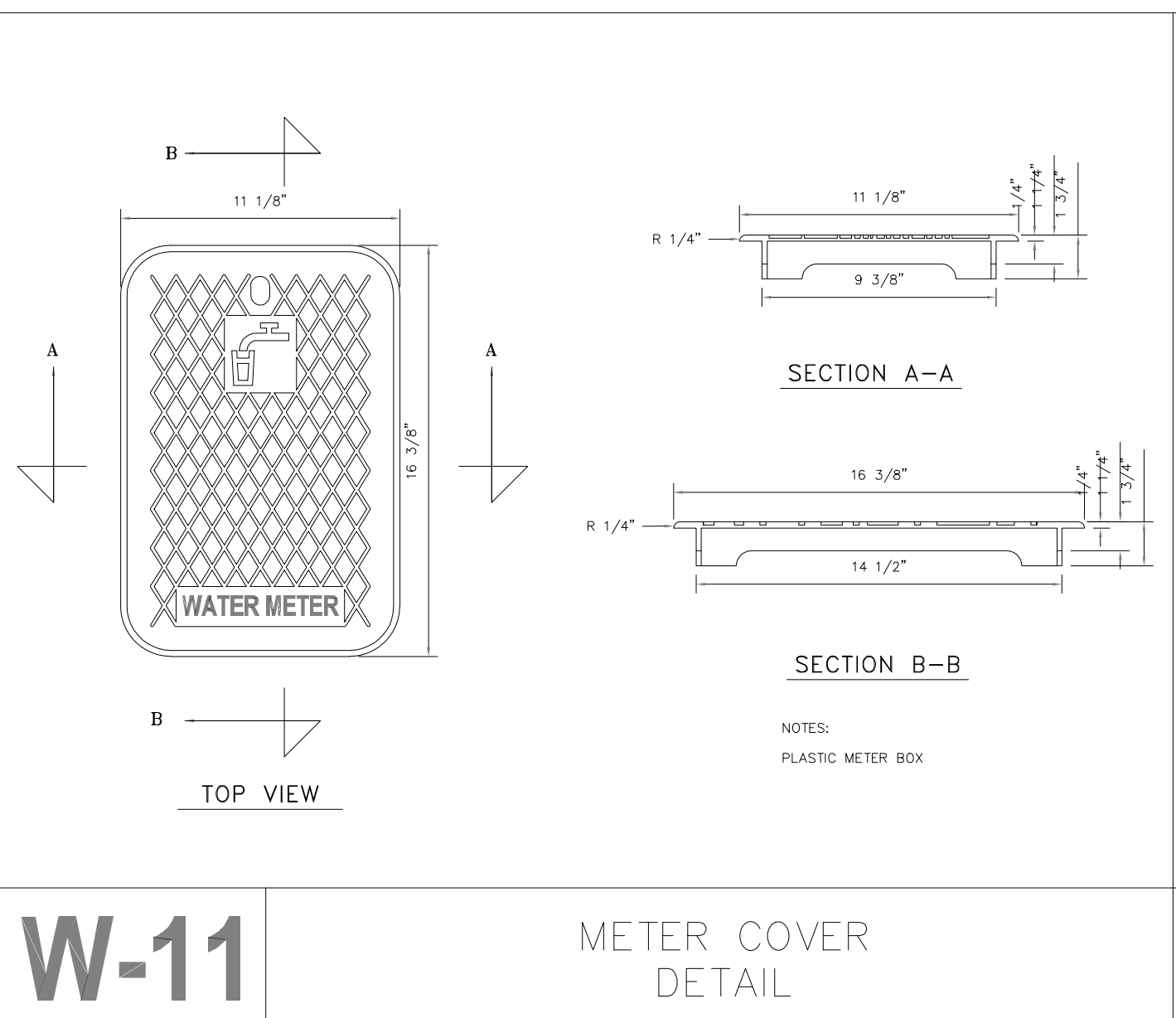
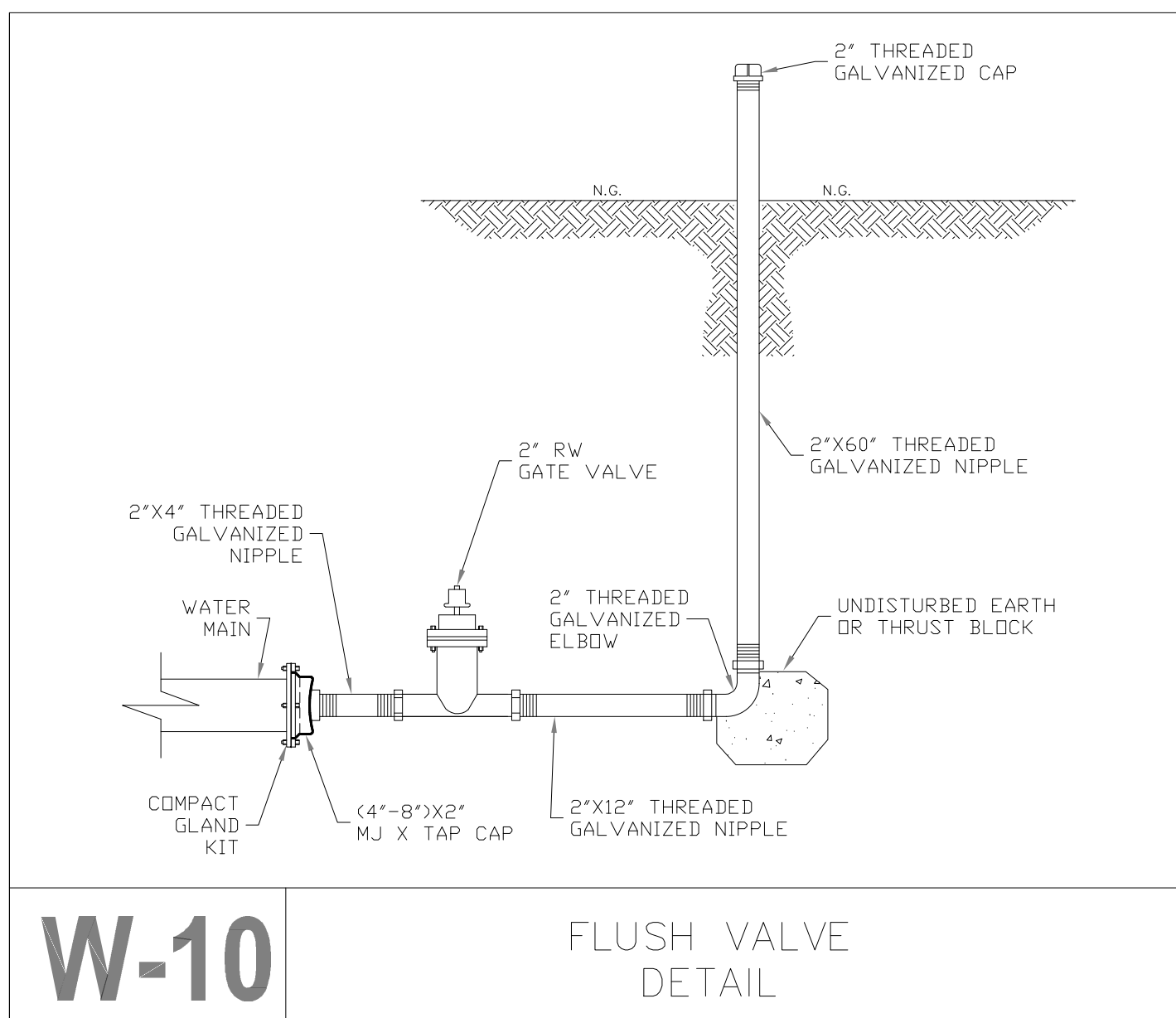
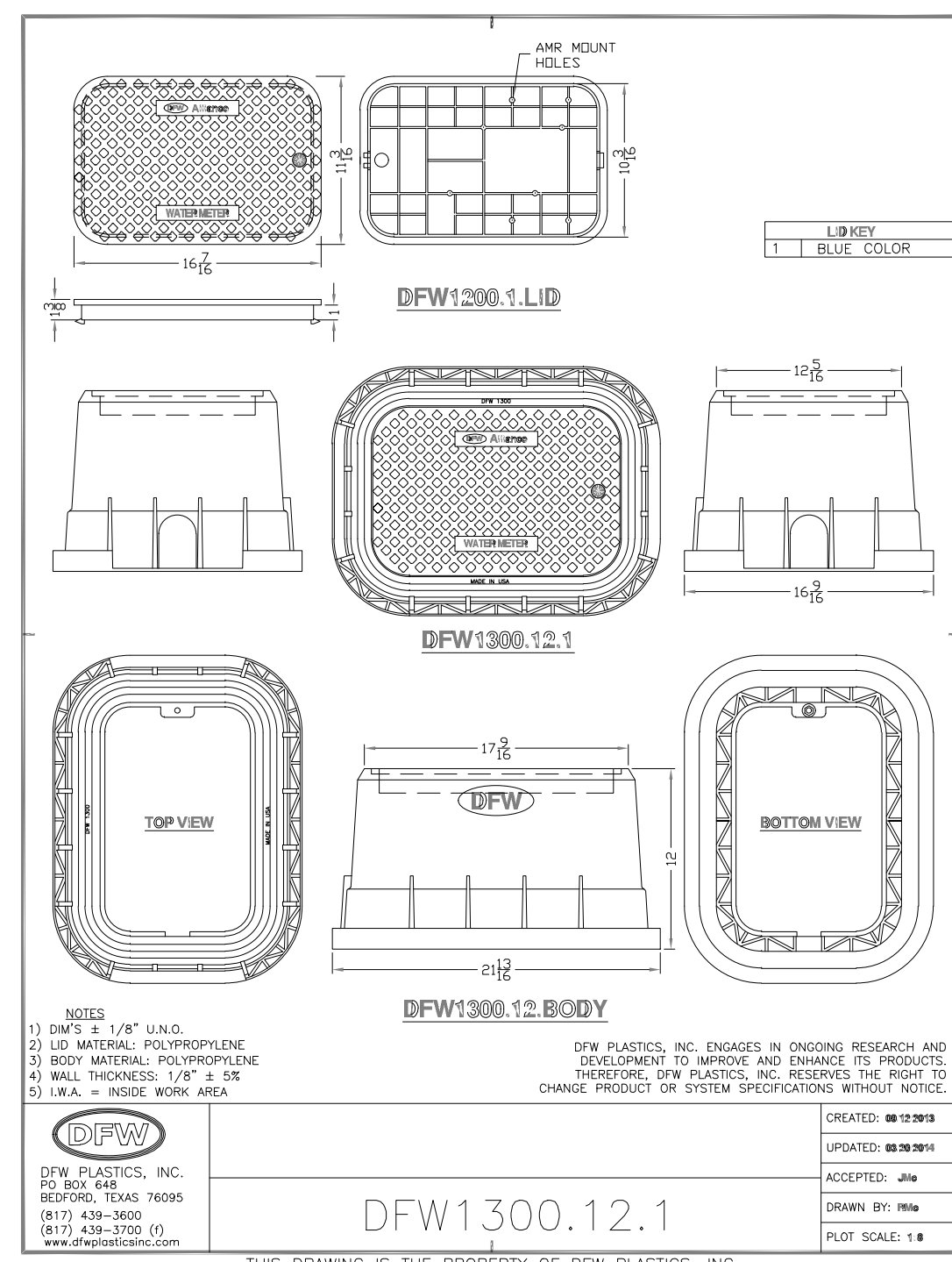
THRUST BLOCK SIZE				
HORIZONTAL BENDS				
DIAMETER OF PIPE IN INCHES	SURFACE AREA SQ. FT.	THICKNESS IN INCHES	WEIGHT AT VERTICAL BENDS-LBS	
<b>22-1/2" BENDS</b>				
6 OR LESS	2	8	1,700	
8	3	12	3,000	
10	3.5	12	4,500	
12	4	14	6,600	
14	5	18	9,000	
16	6	18	11,800	
<b>45° BEND</b>				
6 OR LESS	4	12	3,200	
8	5	14	5,800	
10	6	18	9,600	
12	7	18	13,000	
14	8	24	17,000	
16	11.5	24	23,200	
<b>90° BEND</b>				
6 OR LESS	6	12	6,000	
8	8	15	10,700	
10	10	18	16,700	
12	12	18	24,000	
14	18	24	32,600	
16	21	24	42,700	
<b>TEES &amp; DEAD ENDS</b>				
6 OR LESS	3	12	---	
8	4	15	---	
10	6	18	---	
12	8.5	18	---	
14	11.5	24	---	
16	15	24	---	

NOTE: ALL VALUES SHOWN ARE MIN. FOR A HYDROSTATIC PRESSURE OF 150 P.S.I. AND A SOIL RESISTANCE OF 2,000 LBS. PER SQ. FT. WITH PRELIME HAVING A MIN. OF 3 FT. OF COVER WITH CURB & GUTTER AND A 5 FT. MIN. WITHOUT CURB & GUTTER.

NOTE: SEE THRUST BLOCK SIZE CHART FOR PROPER THICKNESS AND SURFACE AREA.

TEES & DEAD ENDS, VERTICAL BENDS, HORIZONTAL BENDS, HYDRANT BURYS





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

**W-17A** METER VAULT DETAILS

**W-17B** METER VAULT DETAILS

**W-17C** METER VAULT GENERAL NOTES



