



Anthony Uresti,
Director of Planning

HIDALGO COUNTY PLANNING DEPARTMENT

2818 S. BUSINESS HWY 281
EDINBURG TEXAS 78539
Tel. 956-318-2840 Fax. 956-318-2844

HIDALGO COUNTY COMMISSIONERS COURT MEETING

DATE: 6-11-2024

PROPOSED ACRES OF SANTA CRUZ PH 3 SUBDIVISION, PRECINCT No. 3.

ENGINEER S2 ENGINEERING, PLLC DEVELOPER: TIERRA VACANTE LLC

PRELIMINARY APPROVAL FINAL APPROVAL FINAL APPROVAL WITH FINANCIAL GUARANTEE WITH VARIANCE

NUMBER OF LOTS: 115 *SINGLE FAMILY *MULTI-FAMILY COMMERCIAL INSTITUTIONAL

ESTIMATED NUMBER OF STREETLIGHTS: 25

FILLING STATIONS: 10

LOCATION DESCRIPTION: EAST OF CANTU ROAD, APROXIMATELY 3000 FEET NORTH OF MONTE CRISTO ROAD.

SUBDIVISION LIES WITHIN THE: REMOVED FROM THE ETJ OF MCALLEN.

DRAINAGE REPORT WAS APPROVED BY HCDD#1: ON 5-03-2024 PROPERTY LIES WITHIN FLOOD ZONE: "X" AS PER FEMA.

DRAINAGE DESIGN: DRAINAGE WILL BE PROVIDED BY STORM SEWER SYSTEM AND DETENTION WILL BE PROVIDED BY WIDENING THE EXISTING DRAIN DITCH.

ROAD R.O.W. DEDICATION: 25.0 FEET ONTO CANTU ROAD.

H.C.R.O.W. PRELIMINARY APPROVAL DATE: 5-10-2024 BY, PCT. 3 R.O.W. AGENT

H.C.H.D. PRELIMINARY APPROVAL DATE: 4-11-2024 BY, ENVIRONMENTAL HEALTH DIVISION MANAGER

SEWER SYSTEM: OSSF'S

WATER SERVICE PROVIDER: S.W.S.C. LINE SIZE: 8" LOCATION: CANTU ROAD.

H.C.E.O.C. PRELIMINARY APPROVAL DATE: 3-22-2024: 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.

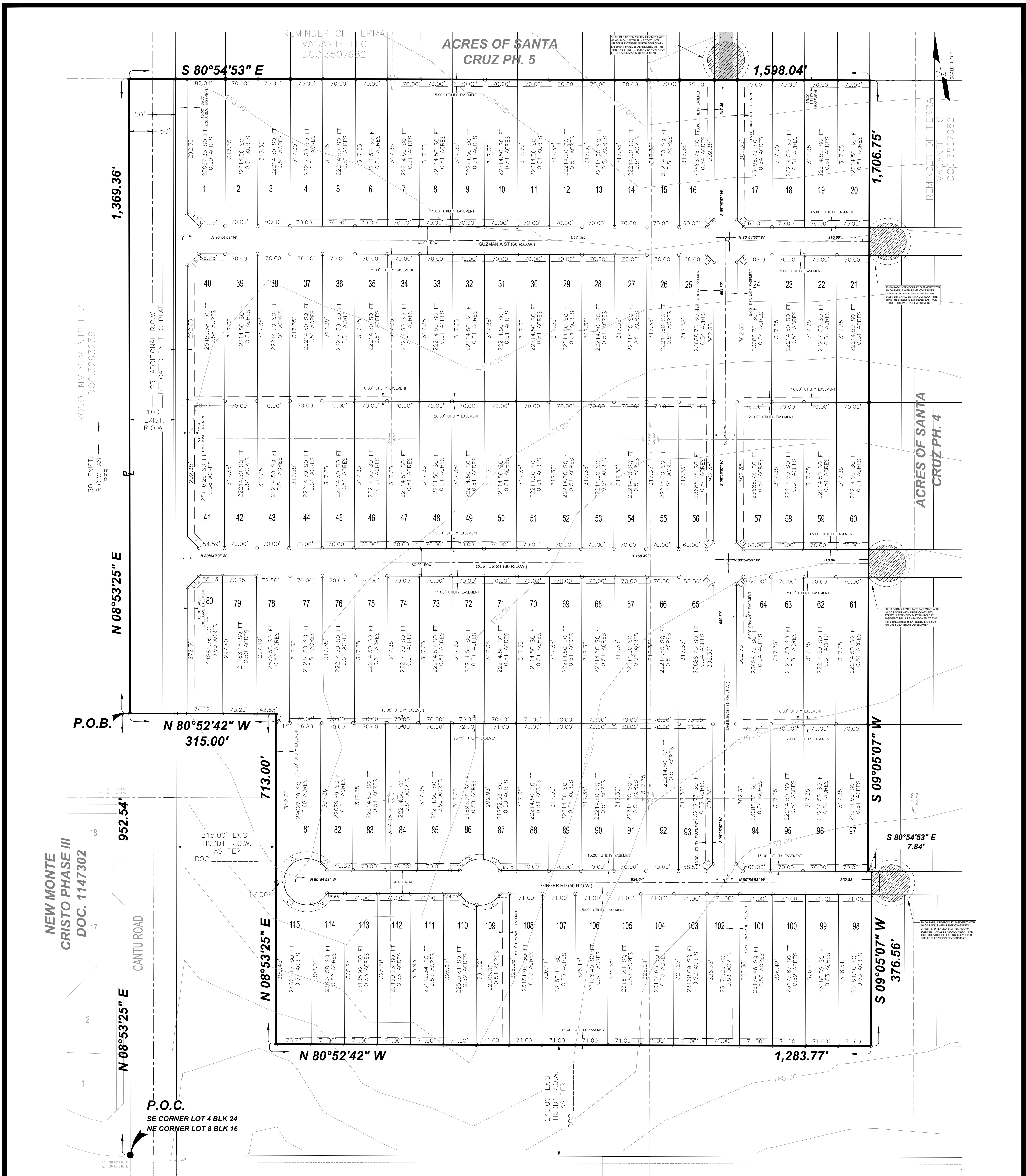
PRELIMINARY APPROVAL FROM THE
HIDALGO COUNTY COMMISSIONERS COURT ON: N/A

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.

*



CURVE	DELTA	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING
"C1"	25.06	50.00'	21.87'	21.70'	N32°26'44"W
"C2"	124.94	50.00'	109.03'	88.68'	S71°33'17"W
"C3"	102.65	50.00'	89.59'	78.08'	S42°14'49"E
"C4"	47.34	50.00'	41.31'	40.14'	N62°45'12"E
"C5"	51.85	50.00'	45.25'	43.72'	S46°50'25"E
"C6"	68.15	50.00'	59.47'	56.03'	N73°09'34"E
"C7"	51.27	50.00'	44.74'	43.27'	N46°33'04"W
"C8"	68.73	50.00'	59.98'	56.44'	S73°26'57"W

SUBDIVISION PLAT OF: ACRES OF SANTA CRUZ PH. 3 SUBDIVISION

A 71.15 ACRE TRACT OF LAND OUT OF LOTS ONE (1), TWO (2), THREE(3), SIX (6), SEVEN (7), AND EIGHT (8), BLOCK TWENTY-FIVE(25), LOTS ONE (1), TWO (2), THREE(3), BLOCK THIRTY-SIX (36), OF THE JACKSON SUBDIVISION OF THE MELADO TRACT, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 4, PAGES 570-581, DEED RECORD, HIDALGO COUNTY, TEXAS, TOGETHER WITH THE ABANDONED ROAD RIGHTS OF WAY WHICH WERE CLOSED IN RESOLUTION AND ORDER CLOSING COUNTY ROADS DATED MAY 23, 1983, FILED MAY 24, 1983, RECORDED IN VOLUME 1840, PAGE 225, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

STATE OF TEXAS
COUNTY OF HIDALGO
I, JOSE N. SALDIVAR, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, HEREBY CERTIFY THAT THE PLAT AND DESCRIPTION OF THIS SUBDIVISION WAS PREPARED FROM A SURVEY OF THE PROPERTY MADE ON THE _____ DAY OF _____, 2020.

REGISTERED PROFESSIONAL ENGINEER
No. 24626 STATE OF TEXAS



STATE OF TEXAS
COUNTY OF HIDALGO
I, RESTITUTO A. ASCANIO, REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THE PLAT AND DESCRIPTION OF THIS SUBDIVISION WAS PREPARED FROM A SURVEY OF THE PROPERTY MADE ON THE GROUND UNDER MY SUPERVISION.

REGISTERED PROFESSIONAL SURVEYOR
No. 6225 STATE OF TEXAS



LINE	BEARING	DISTANCE
L1	N36°00'45"W	35.42'
L2	N54°05'07"E	21.21'
L3	N35°54'53"W	21.21'
L4	N54°05'07"E	21.21'
L5	S35°54'53"E	21.21'
L6	S53°59'15"W	35.30'
L7	N36°00'45"W	35.42'
L8	S54°05'07"W	35.42'
L9	N35°54'53"E	21.21'
L10	N54°05'07"E	21.21'
L11	S35°54'53"E	21.21'
L12	N63°59'15"E	38.80'
L13	N54°05'07"E	21.21'
L14	N35°54'53"W	21.21'
L15	N80°54'53"E	29.80'
L16	N08°54'53"E	19.84'

INDEX TO SHEETS OF ACRES OF SANTA CRUZ PHASE 3
1 OF 6: HEADING, INDEX, LOCATION MAP, PRINCIPAL CONTACTS, PLAT WITH LOT, STREETS, AND EASEMENT DESIGNATIONS; DESCRIPTION OF LOCATION OF SUBDIVISION WITH RESPECT TO THE E.T.J. OF A MUNICIPALITY AND DESIGNATE THE PRECINCT THE PROJECT IS SITUATED PLAT NOTES.
2 OF 6: LEGAL DESCRIPTION (METES AND BOUNDS); SURVEYOR'S AND ENGINEER'S CERTIFICATION; PLAT NOTES AND RESTRICTIONS; OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION; COUNTY CLERK'S RECORDING CERTIFICATE; HIDALGO COUNTY JUDGE CERTIFICATE OF PLAT APPROVAL; H.C.D.D. NO. 1 CERTIFICATION; AND H.C.D.
3 OF 6: WATER DISTRIBUTION AND OSSF MAP; TYPICAL WATER SERVICE CONNECTION; REVISION NOTES (ENGLISH AND SPANISH VERSIONS); INCLUDING DESCRIPTION OF WATER AND OSSF AND ENGINEER'S CERTIFICATION (ENGLISH AND SPANISH VERSIONS); OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION; TYPICAL WATER SERVICE CONNECTION.
4 OF 6: SHARPLAND WATER SUPPLY DETAILS.
5 OF 6: DRAINAGE REPORT INCLUDING DESCRIPTION OF DRAINAGE AND HOW IT WILL SERVE THIS DEVELOPMENT; MAP OF TOPOGRAPHY AND DRAINAGE; AND ENGINEER'S CERTIFICATION, REVISION NOTES, & CONSTRUCTION DETAILS.
6 OF 6: DRAINAGE REPORT INCLUDING DESCRIPTION OF DRAINAGE AND HOW IT WILL SERVE THIS DEVELOPMENT; MAP OF TOPOGRAPHY AND DRAINAGE; AND ENGINEER'S CERTIFICATION, REVISION NOTES, & CONSTRUCTION DETAILS.

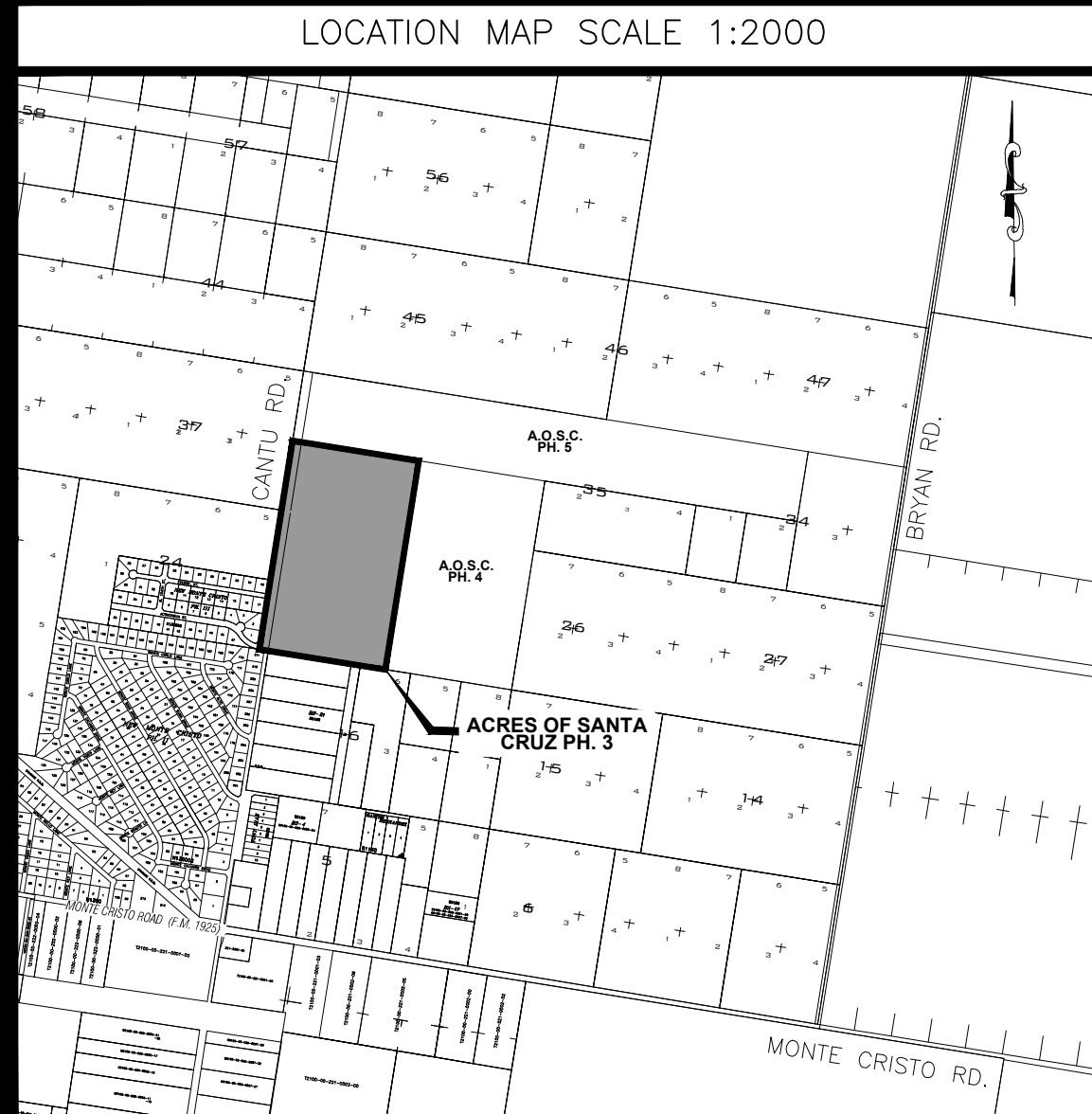
FILED FOR RECORD IN
HIDALGO COUNTY CLERK'S OFFICE
AT HIDALGO COUNTY CLERK'S OFFICE
HIDALGO COUNTY, TEXAS
ON _____ AT _____ AM/PM
INSTRUMENT NUMBER _____
OF THE MAP RECORDS OF HIDALGO COUNTY, TEXAS
BY _____ DEPUTY

PRINCIPAL CONTACTS:

Name	Address	City & Zip	Phone
OWNER: RICHARD W. RUPPERT TIERRA VACANTE, LLC	2810 N. CLOSNER BLVD	EDINBURG, TEXAS 78536	(956)383-0868
ENGINEER: JOSE N. SALDIVAR, P.E., C.E.M.	2020 GRIFFIN PKWY	MISSION, TEXAS 78574	(956) 403-9787
SURVEYOR: RESTITUTO A. ASCANIO, R.P.L.S.	2020 GRIFFIN PKWY	MISSION, TEXAS 78574	(956) 403-9787

LOCATION OF SUBDIVISION WITH RESPECT TO THE EXTRATERRITORIAL

JURISDICTION OF A MUNICIPALITY: ACRES OF SANTA CRUZ PHASE No. 3 IS LOCATED ON THE EAST SIDE OF CANTU RD APPROXIMATELY 3,000 FT NORTH OF MONTE CRISTO RD. THIS SUBDIVISION LIES ONLY ON THE RURAL AREA OF THE HIDALGO COUNTY, TEXAS UNDER LOCAL GOVERNMENT CODE 42.02 PRECINCT. NO. 3.



PLAT SHEET 1

S2 ENGINEERING, PLLC
CIVIL ENGINEERING & LAND SURVEYING
TPEE F-22858 TBL5 10194796

GENERAL SUBDIVISION PLAT NOTES

- MINIMUM FINISH FLOOR ELEVATION SHALL BE AT 18" ABOVE THE TOP OF THE STREET CURB WHEN MEASURED AT THE CENTER FRONT OF ALL THE LOTS. ELEVATION CERTIFICATE MAY BE REQUIRED FOR LOTS LOCATED OUTSIDE A 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 ALL LOTS WITH A DESIGNATED FLOOD ZONE AT THE TIME FOR A DEVELOPMENT PERMIT APPLICATION.
- THIS SUBDIVISION IS LOCATED IN ZONE "X" (UNSHADED) ACCORDING TO THE FEMA FIRM COMMUNITY PANEL NO. 480334 0300 D, REVISED DATED JUNE 6, 2000. ZONE "X" (UNSHADED) IS DEFINED AS AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOOD PLAIN.
- CONSTRUCTION OF RESIDENTIAL HOUSING WITHIN ANY AREA OF THE SUBDIVISION THAT IS IN THE 100-YEAR FLOOD PLAIN IS PROHIBITED UNLESS THE HOUSING QUALIFIES FOR INSURANCE UNDER THE NATIONAL FLOOD INSURANCE ACT OF 1968 (42 U.S.C. SECTIONS 4001 THROUGH 4127).
- SETBACKS:
 FRONT: 25.00 FEET OR EASEMENT WHOICHEVER IS GREATER
 REAR: 15.00 FEET OR EASEMENT WHOICHEVER IS GREATER
 CORNER SIDE: 10.00 FEET OR EASEMENT WHOICHEVER IS GREATER
 SIDE: 6.00 FEET OR EASEMENT WHOICHEVER IS GREATER
- NO MORE THAN ONE-SINGLE FAMILY DETACHED DWELLING SHALL BE LOCATED ON EACH LOT. THIS MUST BE STIPULATED ON ALL DEEDS AND CONTRACTS FOR DEEDS.
- 5/8" IRON ROD SET WITH A PLASTIC CAP STAMPED RPLS S2 F 10194796 AT THE LOT CORNERS, UNLESS OTHERWISE NOTED.
- BENCHMARK NOTE:
 THE FOLLOWING BENCHMARKS ARE IDENTIFIED ON THE FACE OF THE PLAT AND ON THE PLAT AND ON THE ATTACHED ENGINEERING PLANS.
 B.M. No.1 - ELEV.= X=----- Y=----- NAVD 88 DATUM.
 B.M. No.2 - ELEV.= X=----- Y=----- NAVD 88 DATUM.
 B.M. No.3 - ELEV.= X=----- Y=----- NAVD 88 DATUM.
- IN ACCORDANCE WITH THE HIDALGO COUNTY DRAINAGE DISTRICT NO. 1 AND HIDALGO COUNTY REQUIREMENTS, THIS DEVELOPMENT WILL BE REQUIRED TO DETAIN A TOTAL OF 43,333 CUBIC-YARD OF STORM WATER RUNOFF. DRAINAGE RETENTION IN ACCORDANCE WITH THE LOCAL REQUIREMENTS WILL BE ACCOMPLISHED AS FOLLOWS: (SEE SHEET No.4 FOR STORM SEWER IMPROVEMENTS).
- NO STRUCTURE SHALL BE PERMITTED OVER ANY EASEMENT. EASEMENTS SHALL BE KEPT CLEAR OF 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.
- 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.
- ALL PUBLIC UTILITIES 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 ALL OTHER EASEMENTS SHOWN COMPLY WITH THE SIZE REQUIRED BY EACH UTILITY PROVIDER OCCUPYING AN EASEMENT.
- 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.
 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 AUTHORIZED DEPARTMENT.
 D. SOIL ANALYSIS HAVE BEEN SUBMITTED TO THE AUTHORIZED HIDALGO COUNTY DEPARTMENT AND EXCERPTS MAY BE ALSO SEEN ON THE UTILITY LAYOUT FOR THIS SUBDIVISION AS SUBMITTED TO THE HIDALGO COUNTY PLANNING DEPARTMENT. 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 OCCUPYING A LOT.
- THERE ARE NO WATER WELLS WITHIN 150 FEET FROM THE BOUNDARIES ON THIS SUBDIVISION
- TERRA VACANTE, LLC BY RICHARD W. RUPPERT THE SUBDIVIDER OF ACRES OF SANTA CRUZ PH. 3 SUBDIVISION RETAINS A BLANKET EASEMENT UPON EACH LOT FOR THE PURPOSE OF INSTALLING AN APPROVED OSSF ON THE LOT AS DESCRIBED ON SHEET No.2 OF THIS PLAT.
- STREET & STOP SIGNS AND STREET LIGHTS INSTALLED BY THE DEVELOPER.
- FIRE HYDRANTS INSTALLED & PAINTED BLACK BY THE DEVELOPER.
- ALL LOTS SHALL HAVE A POST DEVELOPMENT FINISHED GRADE FROM THE REAR OF THE LOT TO THE CURB AND/OR ROADSIDE DITCH AT A 0.25 % SLOPE TO ACCOMPLISH POSITIVE DRAINAGE. THIS IS IN ACCORDANCE WITH HIDALGO COUNTY APPENDIX 5: COUNTY CONSTRUCTION SPECIFICATIONS 3.1.4.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR DETAINING AND ACCOMMODATING MORE THAN THE DETAILED VOLUME SHOWN ON THIS PLAT IF IT IS DETERMINED, AT THE DEVELOPMENT STAGE, THAT THE DETAINMENT REQUIREMENTS ARE GREATER THAN STATED ON THIS PLAT, DUE TO THE INTERFERING AREA BEING GREATER THAN THE PLAT ENGINEER CONSIDERED IN THE HYDRAULIC CALCULATIONS FOR THIS SUBDIVISION.
- LOTS 1, 40, 41, AND 80 SHALL NOT HAVE DRIVEWAY/ACCESS TOWARDS CANTU RD.

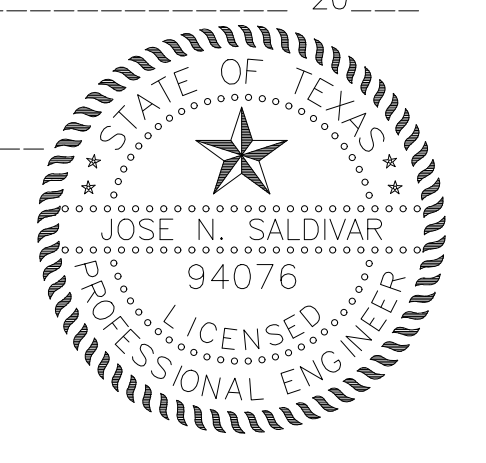
STATE OF TEXAS
 COUNTY OF HIDALGO

I, JOSE N. SALDIVAR A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, HEREBY CERTIFY THAT PROPER ENGINEERING CONSIDERATION HAS BEEN GIVEN TO THIS PLAT.

DATED THIS THE ___ DAY OF _____ 20__

REGISTERED PROFESSIONAL ENGINEER

No.94076 STATE OF TEXAS



STATE OF TEXAS
 COUNTY OF HIDALGO

I, RESTITUTO A. ASCANO III, REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THIS PLAT AND DESCRIPTION OF THIS SUBDIVISION WAS PREPARED FROM A SURVEY OF THE PROPERTY MADE ON THE GROUND UNDER MY SUPERVISION.

DATED THIS THE _____ DAY OF _____ 20__

REGISTERED PROFESSIONAL SURVEYOR
 NO.6225 STATE OF TEXAS



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

TERRA VACANTE, LLC BY RICHARD W. RUPPERT AS OWNER OF THE 69.83 ACRES TRACT OF LAND ENCOMPASSED WITHIN THE PROPOSED ACRES OF SANTA CRUZ PH. 3 SUBDIVISION HEREBY SUBDIVIDE THE LAND AS DEPICTED IN THIS SUBDIVISION PLAT AND DEDICATE TO PUBLIC USE OF STREETS, 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; AND
- (D) GAS CONNECTIONS, IF AVAILABLE, PROVIDED TO THE THE LOTS MEET, OR WILL MEET, THE MINIMUM STATE STANDARDS.

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

TERRA VACANTE, LLC BY RICHARD W. RUPPERT

BY: _____ DATE _____
 TERRA VACANTE, LLC
 BY, RICHARD W. RUPPERT
 2810 N. CLOSNER BLVD
 EDINBURG TX 78541

STATE OF TEXAS COUNTY OF HIDALGO

BEFORE ME, THE UNDERSIGNED AUTHORITY ON THIS DAY PERSONALLY APPEARED RICHARD W. RUPPERT, TERRA VACANTE, LLC, KNOWN TO ME TO BE THE PERSON (S) WHOSE NAME (S) IS (ARE) SUBSCRIBED TO THE FOREGOING INSTRUMENT. AND ACKNOWLEDGED TO ME THAT HE (THEY) EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATIONS THEREIN EXPRESSED AND IN THE CAPACITY THEREIN STATED.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, THIS THE _____ DAY OF _____ 20__

NOTARY FIRST AND LAST NAME
 NOTARY PUBLIC IN AND FOR THE
 STATE OF TEXAS

HIDALGO COUNTY DRAINAGE DISTRICT No. 1

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 TEX. WATER CODE 49.211(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 SESIN, P.E., C.F.M.
 GENERAL MANAGER

STATE OF TEXAS
 COUNTY OF HIDALGO

UNDER LOCAL GOVERNMENT CODE 232.028(a)

WE THE UNDERSIGNED CERTIFY THAT THIS PLAT OF THE ACRES OF SANTA CRUZ PH. 3 SUBDIVISION WAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY COMMISSIONERS COURT ON THE _____ DAY OF _____ 20__

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 ACRES OF SANTA CRUZ PH. 3 SUBDIVISION 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
 GENERAL MANAGER
 SHARYLAND WATER SUPPLY CORPORATION

HIDALGO COUNTY CERTIFICATE OF PLAT APPROVAL
 HIDALGO COUNTY HEALTH DEPARTMENT

I THE UNDERSIGNED CERTIFY THAT THIS PLAT OF ACRES OF SANTA CRUZ PH. 3 SUBDIVISION WAS REVIEWED AND APPROVED BY THE HIDALGO COUNTY HEALTH DEPARTMENT ON _____

HIDALGO COUNTY ENVIRONMENTAL HEALTH DIVISION _____ DATE _____

INDEX TO SHEETS OF ACRES OF SANTA CRUZ PHASE 3	
1 OF 6	HEADING; INDEX; LOCATION MAP; PRINCIPAL CONTACTS; PLAT WITH LOT, STREETS, AND EASEMENT DESIGNATIONS; DESCRIPTION OF LOCATION OF SUBDIVISION WITH RESPECT TO THE ETJ OF A MUNICIPALITY AND DESIGNATE THE PRECINCT THE PROJECT IS SITUATED PLAT NOTES.
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3 OF 6	WATER DISTRIBUTION AND OSSF MAP; TYPICAL WATER SERVICE CONNECTION; REVISION NOTES; ENGINEERING REPORT (ENGLISH AND SPANISH VERSION), INCLUDING DESCRIPTION OF WATER AND OSSF AND ENGINEER'S CERTIFICATION (ENGLISH AND SPANISH VERSION); OWNER'S DEDICATION, CERTIFICATION, AND ATTESTATION; TYPICAL WATER SERVICE CONNECTION
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PRINCIPAL CONTACTS:

Name	Address	City & Zip	Phone
OWNER: RICHARD W. RUPPERT TERRA VACANTE, LLC	2810 N. CLOSNER BLVD	EDINBURG, TEXAS 78536	(956)383-0868
ENGINEER: JOSE N. SALDIVAR, P.E.	2020 GRIFFIN PKWY	MISSION, TEXAS 78574	(956) 403-9787
SURVEYOR: RESTITUTO A. ASCANO III, R.P.L.S.	2020 GRIFFIN PKWK	MISSION, TEXAS 78574	(956) 403-9787

**METES AND BOUNDS
 OF 70.56 ACRES**

A 71.15 ACRE TRACT OF LAND OUT OF LOTS ONE (1), TWO (2), THREE(3), SIX (6), SEVEN (7), AND EIGHT (8), BLOCK TWENTY-FIVE(25), LOTS ONE (1), TWO (2), THREE(3), BLOCK THIRTY-SIX (36), OF THE JACKSON SUBDIVISION OF THE MELADO TRACT, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 4, PAGES 570- 581, DEED RECORD, HIDALGO COUNTY, TEXAS, TOGETHER WITH THE ABANDONED ROAD RIGHTS OF WAY WHICH WERE CLOSED IN RESOLUTION AND ORDER CLOSING COUNTY ROADS DATED MAY 23, 1983, FILED MAY 24, 1983, RECORDED IN VOLUME 1840, PAGE 225, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS, SAID 71.15 ACRE TRACT IS MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

COMMENCING, AT A 1/2-INCH IRON ROD FOUND AT THE SOUTHWEST CORNER OF LOT 1, BLOCK 25, OF SAID JACKSON SUBDIVISION OUT OF THE MELADO TRACT IN HIDALGO COUNTY, TEXAS, THENCE, NORTH 08° 53' 25" EAST, ALONG THE WEST LINE OF SAID LOTS 1 AND 8 OF BLOCK 25, SAME BEING THE APPARENT WEST R.O.W. LINE OF CANTU ROAD, AT 775.22 FEET PASSING A 1/2-INCH IRON ROD FOUND FOR THE NORTH EAST CORNER OF LOT 4, BLOCK 24, OF SAID JACKSON SUBDIVISION OF THE MELADO TRACT, A TOTAL DISTANCE OF 952.54 FEET TO A 1/2-INCH IRON ROD SET WITH PLASTIC CAP STAMPED S2 10194796 FOR THE MOST NORTHERLY SOUTHWEST CORNER AND POINT OF BEGINNING OF THE TRACT HEREIN DESCRIBED;

THENCE, NORTH 08° 53' 25" EAST, ALONG THE WEST LINE OF SAID LOT 8 OF BLOCK 25, AND LOT 1 OF BLOCK 36, SAME BEING THE APPARENT WEST R.O.W. LINE OF CANTU ROAD, A DISTANCE OF 1,369.36 FEET TO A SET 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED S2 10194796 AT THE NORTHWEST CORNER OF SAID LOT 1 BLOCK 36, FOR THE NORTHWEST CORNER OF THIS TRACT HEREIN DESCRIBED;

THENCE, SOUTH 80° 54' 53" EAST, ALONG THE NORTH LINE OF LOT 1, LOT 2, AND LOT 3 BLOCK 36, OF SAID JACKSON MELADO TRACT, A DISTANCE OF 1,598.04 FEET TO A SET 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED S2 10194796FOR TO A POINT AT THE NORTH LINE OF SAID LOT 3, BLOCK 36 FOR THE NORTHEAST CORNER OF THIS TRACT HEREIN DESCRIBED;

THENCE, SOUTH 09° 05' 07" WEST, PARALLEL TO THE EAST LINE OF LOT 3, BLOCK 36, LOT 6 AND LOT 3, BLOCK 25, A DISTANCE OF 1,706.75 FEET TO A SET 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED S2 10194796FOR FOR AN INTERNAL CORNER OF THE TRACT HEREIN DESCRIBED;

THENCE, SOUTH 80°54'53" EAST, A DISTANCE OF 7.84 FEET TO A SET 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED S2 10194796FOR FOR AN EXTERNAL CORNER OF THE TRACT HEREIN DESCRIBED;

THENCE, SOUTH 09° 05' 07" WEST, PARALLEL TO THE EAST LINE OF LOT 3, BLOCK 25, A DISTANCE OF 376.56 FEET TO A SET 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED S2 10194796FOR FOR THE SOUTHEAST CORNER OF THE TRACT HEREIN DESCRIBED;

THENCE, NORTH 80° 52' 42" WEST, PARALLEL TO THE NORTH LINE OF A 3.594 ACRE TRACT CONVEYED TO RAMIRO GALVAN OUT OF BUFFALO SPRINGS SUBDIVISION RECORDED IN VOLUME 31, PAGE 148, HIDALGO COUNTY MAP RECORD, TEXAS AND PARALLEL TO THE NORTH LINE OF THE TRACT CONVEYED TO ADAN SEPULVEDA IN WARRANTY DEED WITH VENDOR'S LIEN WITH DOCUMENT # 1673593, A DISTANCE OF 1,283.77 FEET TO SET 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED S2 10194796 FOR THE SOUTHERLY SOUTHWEST CORNER OF THIS TRACT HEREIN DESCRIBED;

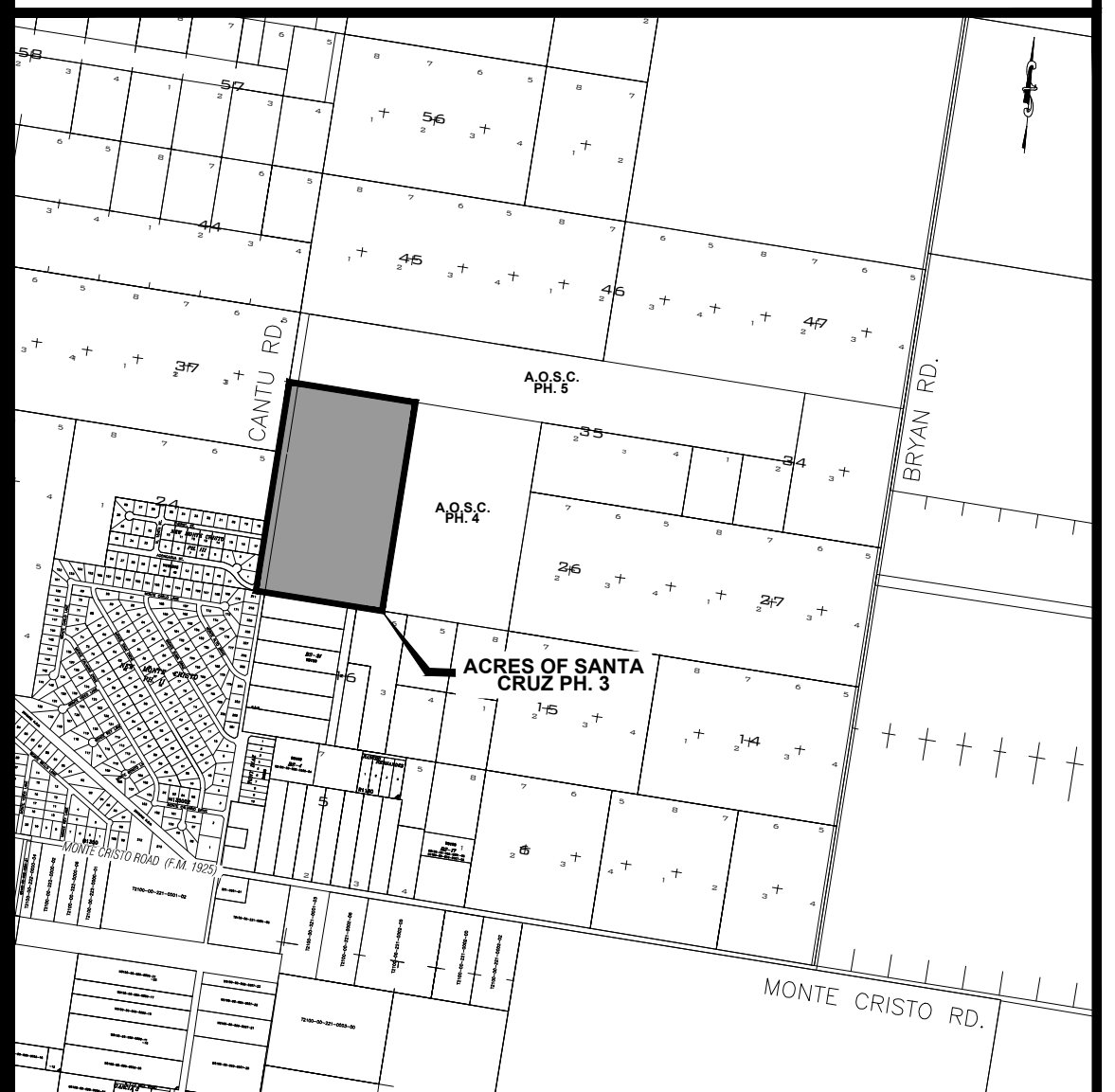
THENCE, NORTH 08° 53' 25" EAST, PARALLEL TO THE WEST LINE OF SAID LOT 8 OF BLOCK 25, A DISTANCE OF 713.00 FEET TO A SET 1/2-INCH IRON ROD WITH PLASTIC CAP STAMPED S2 10194796 FOR AN INTERNAL CORNER OF THIS TRACT HEREIN DESCRIBED;

THENCE, NORTH 80° 52' 42" WEST, A DISTANCE OF 315.00 FEET TO THE SAID SOUTHEAST CORNER OF LOT 4 BLOCK, 24 OF THE SAID JACKSON MELADO SUBDIVISION, AND POINT OF BEGINNING OF THIS TRACT HEREIN DESCRIBED; CONTAINING 71.15 ACRES MORE OR LESS.

LOCATION OF SUBDIVISION WITH RESPECT TO THE EXTRATERITORIAL JURISDICTION OF A MUNICIPALITY:

ACRES OF SANTA CRUZ PHASE No. 3 IS LOCATED ON THE EAST SIDE OF CANTU RD APPROXIMATELY 3,000 FT NORTH OF MONTE CRISTO RD. THIS SUBDIVISION LIES ONLY ON THE RURAL AREA OF THE HIDALGO COUNTY, TEXAS UNDER LOCAL GOVERNMENT CODE 42.02 PRECINCT. No. 3.

LOCATION MAP SCALE 1:2000



ACRES OF SANTA CRUZ PH. 3 SUBDIVISION
 A 70.56 ACRE TRACT OF LAND OUT OF LOTS ONE (1), TWO (2), THREE(3), SIX (6), SEVEN (7), AND EIGHT (8), BLOCK TWENTY-FIVE(25), LOTS ONE (1), TWO (2), THREE(3), BLOCK THIRTY-SIX (36), OF THE JACKSON SUBDIVISION OF THE MELADO TRACT, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 4, PAGES 570- 581, DEED RECORD, HIDALGO COUNTY, TEXAS, TOGETHER WITH THE ABANDONED ROAD RIGHTS OF WAY WHICH WERE CLOSED IN RESOLUTION AND ORDER CLOSING COUNTY ROADS DATED MAY 23, 1983, RECORDED IN VOLUME 1840, PAGE 225, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

PROPOSED SUBDIVISION LOT
 LAYOUT PLAT SHEET 2 OF 2

S2 ENGINEERING, PLLC
 CIVIL ENGINEERING & LAND SURVEYING
 TBLS 10194796
 TBPE F-22869

PLAT SHEET
 2 of 6



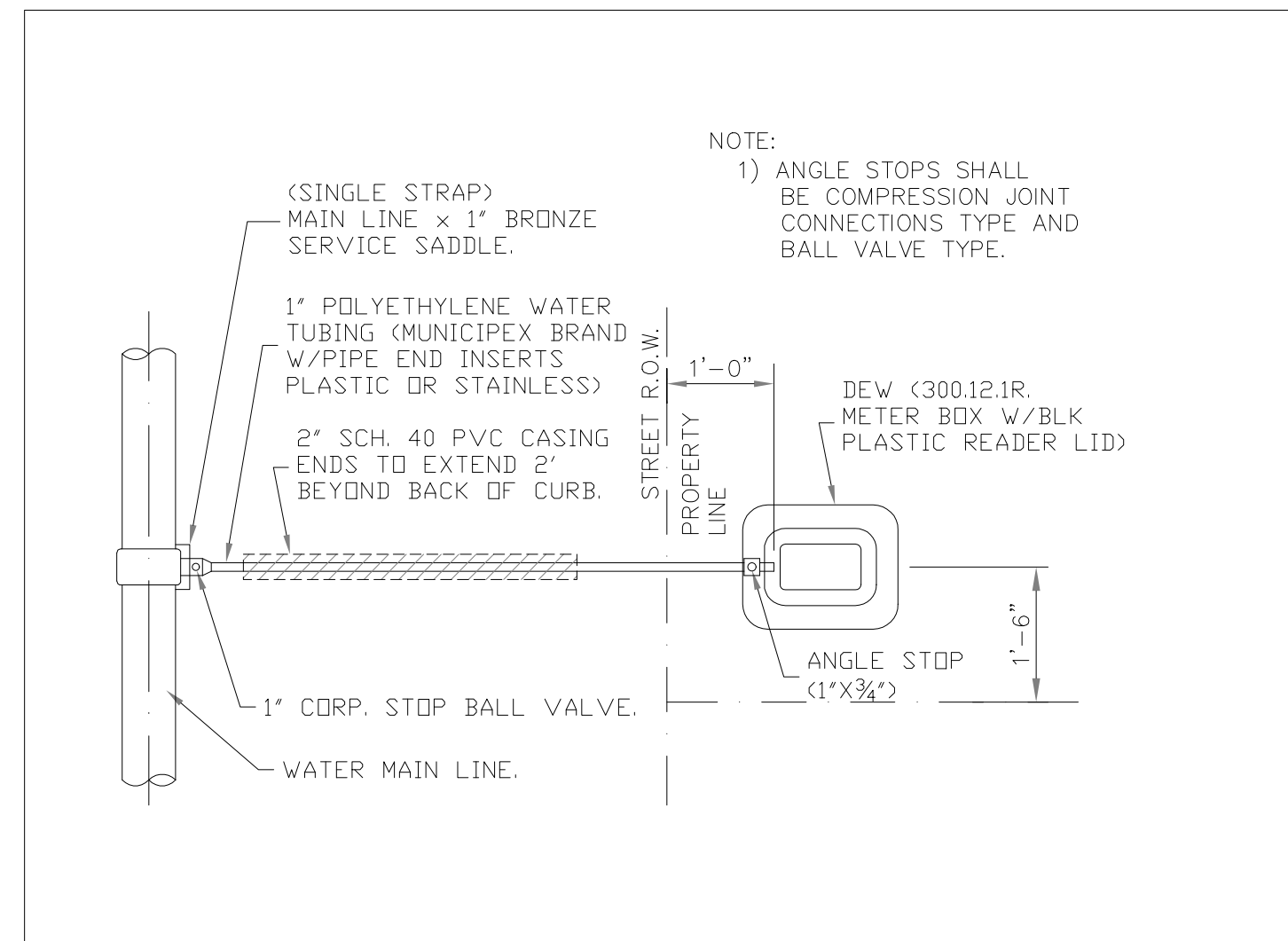
FILED FOR RECORD IN
 HIDALGO COUNTY
 ARTURO GUAJARDO, JR.
 HIDALGO COUNTY CLERK

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

ACRES OF SANTA CRUZ PH. 3 SUBDIVISION
 A 70.56 AC TRACT OF LAND ONE (1), TWO (2), THREE (3), SIX (6), SEVEN (7), AND EIGHT (8), BLOCK TWENTY-FIVE (25), LOTS ONE (1), TWO (2), THREE (3), FOUR (4), FIVE (5), SIX (6), SEVEN (7), EIGHT (8), NINE (9), TEN (10), ELEVEN (11), TWELVE (12), THIRTY-SIX (36), OF THE JACKSON SUBDIVISION OF THE WELDON TRACT, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAN THEREOF RECORDED IN VOLUME 4, PAGES 570-581, DEED RECORD, HIDALGO COUNTY, TEXAS, TOGETHER WITH THE ABANDONED ROAD RIGHTS OF WAY WHICH WERE CLOSED IN RESOLUTION AND ORDER CLOSING COUNTY ROADS DATED MAY 23, 1983, FILED MAY 24, 1983, RECORDED IN VOLUME 1840, PAGE 225, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

WATER DETAILS 1
 SHARYLAND WATER SUPPLY

PHONE No. (956) 403-9787
 Email: s2engineering.us@gmail.com
 2424 MIMOSA ST.
 MISSION, TX 78574
S2 ENGINEERING, PLLC
 CIVIL ENGINEERING - CONSTRUCTION MANAGER - TYPE F - 2285

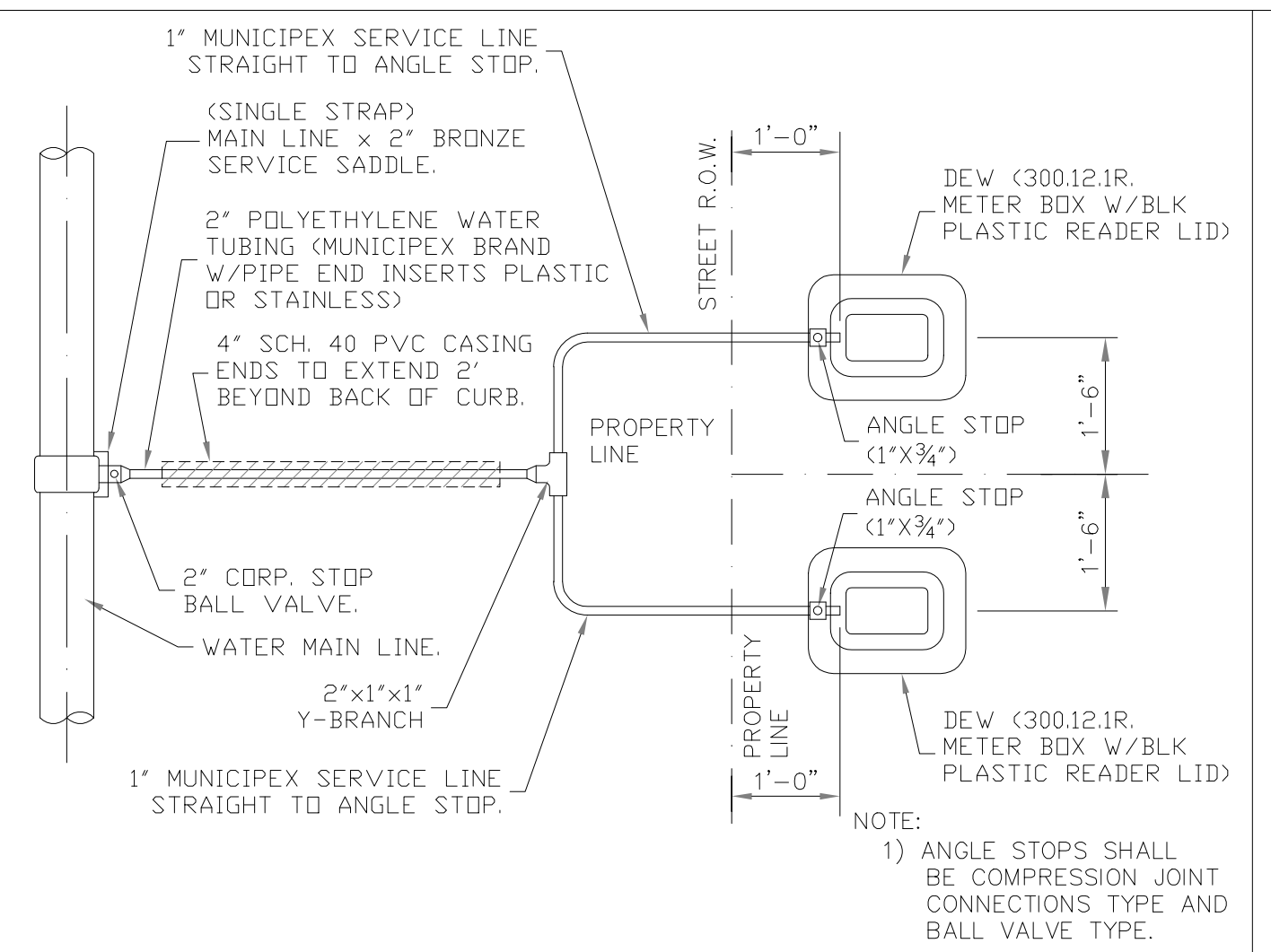


W-1 RESIDENTIAL SINGLE WATER SERVICE CONNECTION

NOTE:
 1) ANGLE STOPS SHALL BE COMPRESSION JOINT CONNECTIONS TYPE AND BALL VALVE TYPE.

(SINGLE STRAP) MAIN LINE x 1" BRONZE SERVICE SADDLE.
 1" POLYETHYLENE WATER TUBING (MUNICIPAL BRAND W/PIPE END INSERTS PLASTIC OR STAINLESS)
 2" SCH. 40 PVC CASING ENDS TO EXTEND 2" BEYOND BACK OF CURB.
 1" CORP. STOP BALL VALVE.
 WATER MAIN LINE.
 DEW (300121R) METER BOX W/BLK PLASTIC READER LID.
 ANGLE STOP (1"x3/4")
 STREET R.O.W. LINE
 PROPERTY LINE

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 HAUNCHES AND COMPACT BY HAND TO SPRING LINE. USE VIBRATORY-TYPE COMPACTORS FOR LIFTS ABOVE THE SPRING LINE. MAXIMUM 6" LIFTS.
 B4. MINIMUM TRENCH WIDTH: PIPE O.D. + 16" (FOR 16" PIPE AND SMALLER) OR PIPE O.D. x 1.25 + 12" (FOR 18" PIPE AND LARGER).
 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 ROADWAY) 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; 90% INSIDE RIGHT OF WAY.
 EMBODIMENT SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM D 2321. EMBODIMENT MATERIAL SHALL BE CLASS II OR III WITH $50K$ PASSING A No. 200 SIEVE AND PLASTICITY INDEX <math>< 7</math>.
 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.
 BACKFILL 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

NOTE:
 1) ANGLE STOPS SHALL BE COMPRESSION JOINT CONNECTIONS TYPE AND BALL VALVE TYPE.

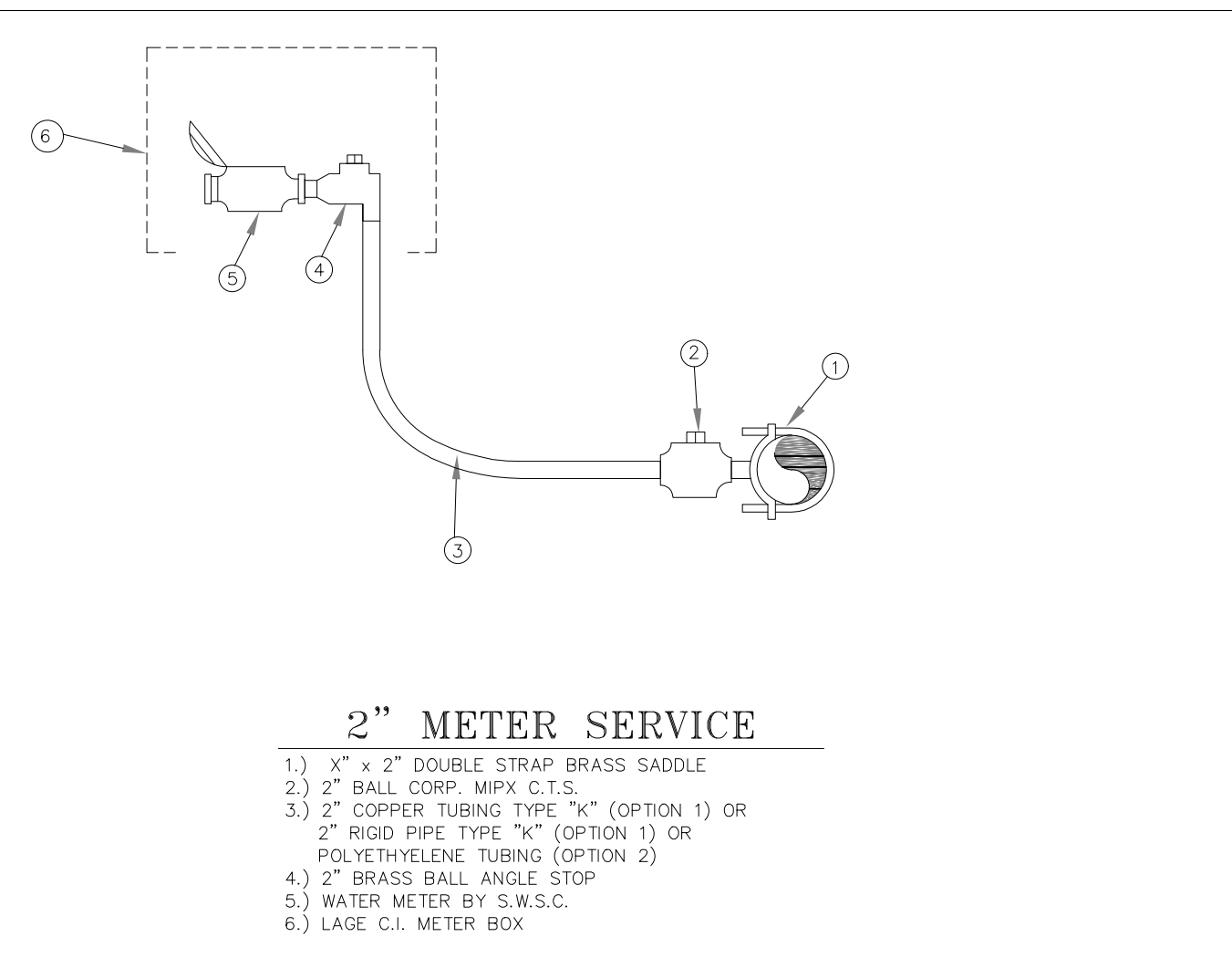
1" MUNICIPEX SERVICE LINE STRAIGHT TO ANGLE STOP.
 (SINGLE STRAP) MAIN LINE x 2" BRONZE SERVICE SADDLE.
 2" POLYETHYLENE WATER TUBING (MUNICIPAL BRAND W/PIPE END INSERTS PLASTIC OR STAINLESS)
 4" SCH. 40 PVC CASING ENDS TO EXTEND 2" BEYOND BACK OF CURB.
 STREET R.O.W. LINE
 PROPERTY LINE
 DEW (300121R) METER BOX W/BLK PLASTIC READER LID.
 ANGLE STOP (1"x3/4")
 2" CORP. STOP BALL VALVE.
 WATER MAIN LINE.
 2"x1"x1" Y-BRANCH
 DEW (300121R) METER BOX W/BLK PLASTIC READER LID.
 ANGLE STOP (1"x3/4")
 PROPERTY LINE

NOTE:
 1) ANGLE STOPS SHALL BE COMPRESSION JOINT CONNECTIONS TYPE AND BALL VALVE TYPE.

THRUST BLOCK SIZE			
HORIZONTAL BENDS			
DIAMETER OF PIPE IN INCHES	SURFACE AREA SQ. FT.	THICKNESS IN INCHES	WEIGHT AT VERTICAL BENDS-LBS.
23-1/2" BENDS			
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
45° BEND			
6 OR LESS	4	12	3,200
8	5	14	5,800
10	6	18	9,000
12	7	18	13,000
14	8	24	17,000
16	11.5	24	23,200
90° BEND			
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

TEES & DEAD ENDS VERTICAL BENDS
 HORIZONTAL BENDS HYDRANT BURYS

THRUST BLOCKS DETAILS
 NOTE: SEE THRUST BLOCK SIZE CHART FOR PROPER THICKNESS AND SURFACE AREAS

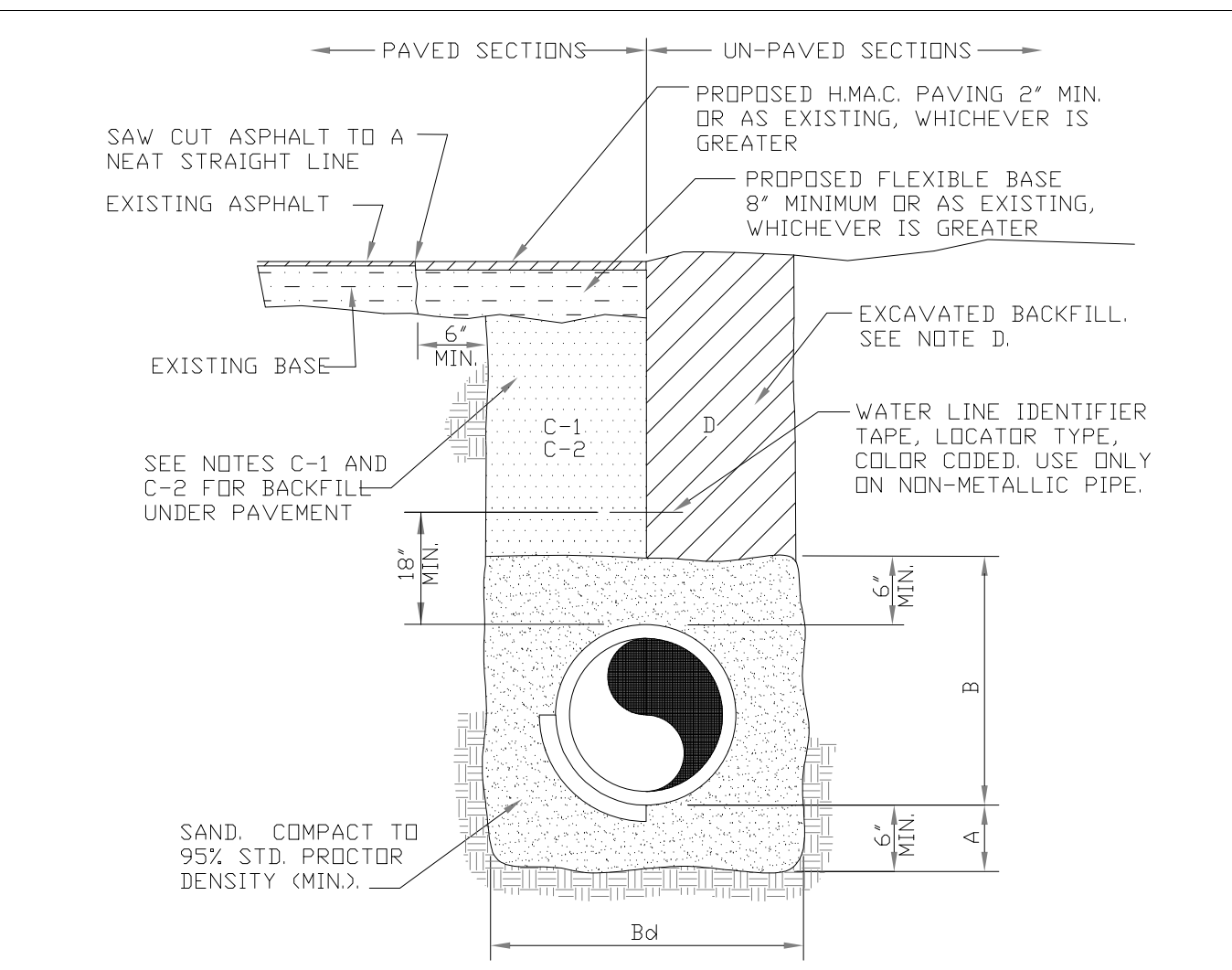


W-3 2" METER SERVICE

NOTE:
 1) 2" x 2" DOUBLE STRAP BRASS SADDLE
 2) 2" BALL CORP. MFX C.T.S.
 3) 2" COPPER TUBING TYPE "K" (OPTION 1) OR 2" RIGID PIPE TYPE "K" (OPTION 1) OR POLYETHYLENE TUBING (OPTION 2)
 4) 2" BRASS BALL ANGLE STOP
 5) WATER METER BY S.W.S.C.
 6) LARGE C.I. METER BOX

WATERLINE CROSSING OVER SEWER LINE
 WATERLINE CROSSING UNDER SEWER LINE

PLAN
 PROFILE



W-4A TYPICAL WATER LINE AND SEWER FORCEMAIN BEDDING DETAIL

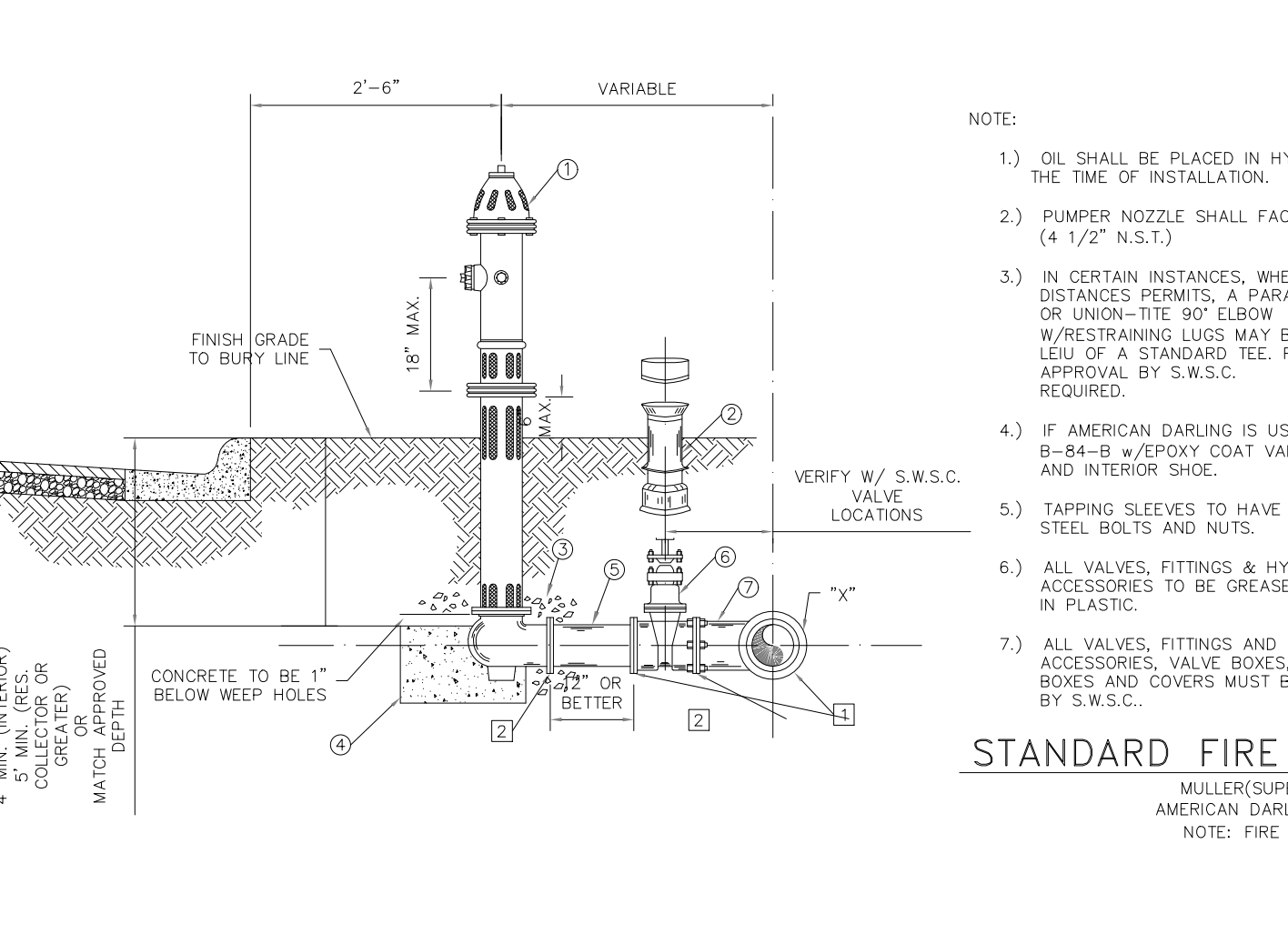
TEXAS COMMISSION ON ENVIRONMENTAL QUALITY PAGE 3 CHAPTER 217-- DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS

(1) COLLECTION SYSTEM PIPES MUST BE INSTALLED IN TRENCHES SEPARATE FROM WATER SUPPLY TRENCHES.
 (2) WHEREVER POSSIBLE, A COLLECTION SYSTEM PIPE MUST BE LOCATED BELOW A WATER SUPPLY PIPE. IF A COLLECTION SYSTEM PIPE CANNOT BE LOCATED BELOW A WATER SUPPLY PIPE, THE OWNER MUST JUSTIFY IN THE ENGINEERING REPORT WHY IT IS NOT POSSIBLE TO LOCATE THE COLLECTION SYSTEM PIPE BELOW THE PUBLIC WATER SUPPLY PIPE.
 (3) WHEREVER POSSIBLE, COLLECTION SYSTEM PIPES AND MANHOLES MUST BE LOCATED AT LEAST NINE FEET FROM ALL WATER SUPPLY PIPES. IF A COLLECTION SYSTEM PIPE OR MANHOLE CANNOT BE LOCATED AT LEAST NINE FEET AWAY FROM A WATER SUPPLY PIPE, THE OWNER MUST JUSTIFY IN THE ENGINEERING REPORT WHY IT IS NOT POSSIBLE TO PROVIDE AT LEAST NINE FEET OF SEPARATION. TABLE CL, IN FIGURE 30 TAC 8213(01)(3) PROVIDES A REFERENCE TO PARAGRAPHS IN THIS SUBSECTION THAT APPLY IF A COLLECTION SYSTEM PIPE OR MANHOLE CANNOT BE LOCATED AT LEAST NINE FEET AWAY FROM A WATER SUPPLY PIPE TO THE WATER SUPPLY PIPE. EACH PORTION OF THE COLLECTION SYSTEM PIPE WITHIN NINE FEET OF THE WATER SUPPLY PIPE MUST BE ENCASED. THE CASING PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PER SQUARE INCH (PSI) PRESSURE CLASS PIPE THAT:
 (A) ENCASES THE ENTIRE LENGTH OF COLLECTION SYSTEM PIPE THAT IS WITHIN NINE FEET OF THE WATER SUPPLY PIPE.
 (B) IS SEALED AT BOTH ENDS WITH CEMENT GROUT OR A MANUFACTURED SEAL.
 (C) IS AT LEAST TWO NOMINAL SIZES LARGER THAN THE WASTEWATER COLLECTION PIPE; AND
 (D) IS SUPPORTED BY SPACERS BETWEEN THE COLLECTION SYSTEM PIPE AND THE ENCASED PIPE AT A MAXIMUM OF FIVE-FOOT INTERVALS.
 (5) IF A COLLECTION SYSTEM PIPE CROSSES ABOVE A WATER SUPPLY PIPE, EACH PORTION OF THE COLLECTION SYSTEM PIPE WITHIN NINE FEET OF THE WATER SUPPLY PIPE MUST EITHER BE ENCASED IN A CASING PIPE ACCORDING TO SUBPARAGRAPH (A) OF THIS PARAGRAPH, OR MUST BE CONSTRUCTED USING AT LEAST 150 PSI PRESSURE CLASS PIPE ACCORDING TO SUBPARAGRAPH (A) OF THIS PARAGRAPH. (A) A CASING PIPE FOR A COLLECTION SYSTEM PIPE THAT CROSSES ABOVE A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS PIPE THAT IS: (i) SEALED AT BOTH ENDS WITH CEMENT GROUT OR A MANUFACTURED SEAL; TEXAS COMMISSION ON ENVIRONMENTAL QUALITY PAGE 5 CHAPTER 217--DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS (ii) AT LEAST TWO NOMINAL SIZES LARGER THAN THE WASTEWATER COLLECTION PIPE; AND (iii) SUPPORTED BY SPACERS BETWEEN THE COLLECTION SYSTEM PIPE AND THE ENCASED PIPE AT A MAXIMUM OF FIVE-FOOT INTERVALS.
 (6) A COLLECTION SYSTEM PIPE THAT CROSSES ABOVE A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS, CORROSION-RESISTANT, NON-BRITTLE PIPE AND MUST USE MANUFACTURER-APPROVED ADAPTERS, GASKETED JOINTS, COMPRESSION JOINTS, AND OTHER NON-BONDED JOINTS MUST BE DESIGNED TO SEAL AT ATMOSPHERIC PRESSURE.
 (6) IF A COLLECTION SYSTEM PIPE IS LOCATED BELOW A WATER SUPPLY PIPE AND RUNS PARALLEL TO THE WATER SUPPLY PIPE, EACH PORTION OF THE COLLECTION SYSTEM PIPE WITHIN NINE FEET OF THE WATER SUPPLY PIPE MUST EITHER BE CONSTRUCTED USING AT LEAST 150 PSI PRESSURE CLASS PIPE ACCORDING TO SUBPARAGRAPH (A) OF THIS PARAGRAPH, OR MUST BE ENCASED IN A CASING PIPE ACCORDING TO SUBPARAGRAPH (A) OF THIS PARAGRAPH.

W-4B STANDARD WATER PIPE BEDDING DETAILS

(A) A COLLECTION SYSTEM PIPE THAT RUNS PARALLEL TO AND BELOW A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS, CORROSION-RESISTANT, NON-BRITTLE PIPE THAT:
 (i) IS LOCATED AT LEAST TWO VERTICAL FEET BELOW THE WATER SUPPLY PIPE;
 (ii) IS LOCATED AT LEAST FOUR HORIZONTAL FEET AWAY FROM THE WATER SUPPLY PIPE; AND
 (iii) INCLUDES JOINTS THAT ARE DESIGNED TO SEAL AT ATMOSPHERIC PRESSURE.
 (B) A CASING PIPE FOR A COLLECTION SYSTEM PIPE THAT RUNS PARALLEL BELOW A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS PIPE THAT:
 (i) IS SEALED AT BOTH ENDS WITH CEMENT GROUT OR A MANUFACTURED SEAL.
 (ii) IS AT LEAST TWO NOMINAL SIZES LARGER THAN THE WASTEWATER COLLECTION PIPE; AND
 (iii) IS SUPPORTED BY SPACERS BETWEEN THE COLLECTION SYSTEM PIPE AND THE ENCASED PIPE AT A MAXIMUM OF FIVE-FOOT INTERVALS.
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY PAGE 6 CHAPTER 217-- DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS
 (7) IF A COLLECTION SYSTEM PIPE CROSSES BELOW A WATER SUPPLY PIPE, EACH PORTION OF THE COLLECTION SYSTEM PIPE WITHIN NINE FEET OF THE WATER SUPPLY PIPE MUST EITHER BE CONSTRUCTED USING AT LEAST 150 PSI PRESSURE CLASS PIPE ACCORDING TO SUBPARAGRAPH (A) OF THIS PARAGRAPH, OR MUST BE ENCASED IN CEMENT-STABILIZED SAND ACCORDING TO SUBPARAGRAPH (B) OF THIS PARAGRAPH, OR MUST BE ENCASED IN A CASING PIPE ACCORDING TO SUBPARAGRAPH (C) OF THIS PARAGRAPH. (A) A COLLECTION SYSTEM THAT CROSSES BELOW A WATER SUPPLY PIPE AND IS CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS, CORROSION-RESISTANT, NON-BRITTLE PIPE MUST:
 (i) HAVE AT LEAST SIX INCHES OF SEPARATION BETWEEN THE OUTSIDES OF THE PIPES;
 (ii) BE CENTERED ON THE CROSSING; (iii) BE AT LEAST 18 FEET LONG; AND
 (iv) TERMINATE AT JOINTS THAT ARE DESIGNED TO SEAL AT ATMOSPHERIC PRESSURE.
 (B) A COLLECTION SYSTEM PIPE THAT CROSSES BELOW A WATER SUPPLY PIPE AND IS CONSTRUCTED OF ANY MATERIAL OTHER THAN AT LEAST 150 PSI PRESSURE CLASS, CORROSION-RESISTANT, NON-BRITTLE PIPE MUST:
 (i) HAVE AT LEAST TWO FEET OF SEPARATION BETWEEN THE OUTSIDES OF THE PIPES; AND
 (ii) BE ENCASED IN CEMENT-STABILIZED SAND BACKFILL THAT MEETS THE REQUIREMENTS OF SUBPARAGRAPH (D) OF THIS PARAGRAPH.
 (C) A CASING PIPE FOR A COLLECTION SYSTEM PIPE THAT CROSSES BELOW A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS PIPE THAT IS:
 (i) SEALED AT BOTH ENDS WITH CEMENT GROUT OR A MANUFACTURED SEAL;
 (ii) AT LEAST TWO NOMINAL SIZES LARGER THAN THE WASTEWATER COLLECTION PIPE; AND
 (iii) SUPPORTED BY SPACERS BETWEEN THE COLLECTION SYSTEM PIPE AND THE ENCASED PIPE AT A MAXIMUM OF FIVE-FOOT INTERVALS.
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY PAGE 7 CHAPTER 217--DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS
 (D) CEMENT-STABILIZED SAND FOR ENCASED COLLECTION SYSTEM PIPES MUST:
 (i) INCLUDE AT LEAST 160 POUNDS OF CEMENT FOR EVERY CUBIC YARD OF SAND;
 (ii) BE INSTALLED BEGINNING ONE-QUARTER PIPE DIAMETER BELOW THE CENTERLINE OF THE COLLECTION SYSTEM PIPE;
 (iii) BE INSTALLED ENDING ONE FULL PIPE DIAMETER ABOVE THE TOP OF THE COLLECTION SYSTEM PIPE, OR 12 INCHES ABOVE THE TOP OF THE COLLECTION SYSTEM PIPE, WHICHEVER IS GREATER.

W-5 THRUST BLOCKS DETAILS



W-6A WATER / SANITARY SEWER CROSSING DETAILS

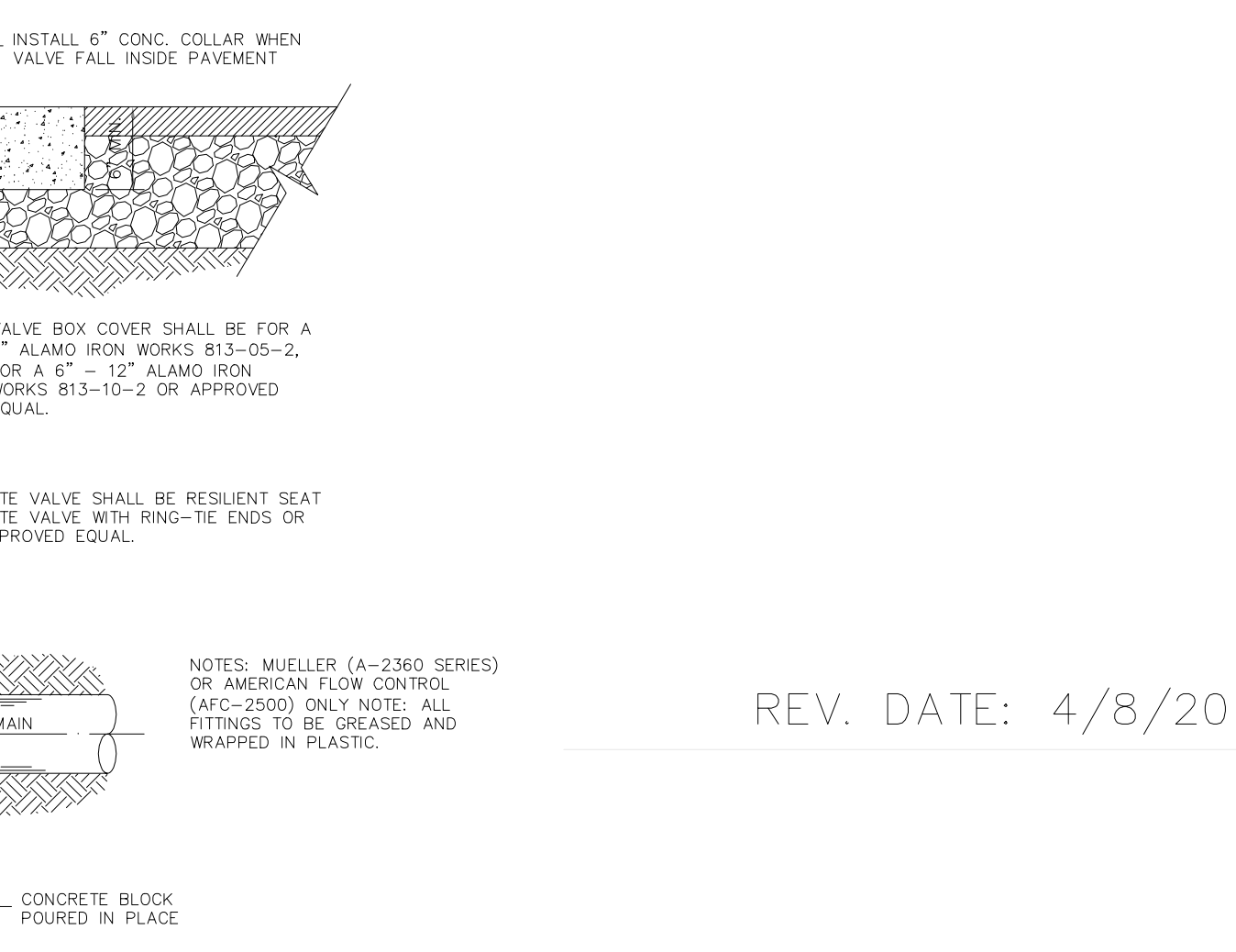
NOTE:
 1) OIL SHALL BE PLACED IN HYDRANT AT THE TIME OF INSTALLATION.
 2) PUMPER NOZZLE SHALL FACE ROADWAY. (4 1/2" N.S.T.)
 3) IN CERTAIN INSTANCES, WHERE DISTANCES PERMITS, A PARALLEL TEE OR UNION-TYPE 90° ELBOW W/RESTRAINING LUGS MAY BE USED IN LIEU OF A STANDARD TEE. FINAL APPROVAL BY S.W.S.C. REQUIRED.
 4) IF AMERICAN DARLING IS USED MODEL B-84-B w/EPoxy COAT VALVE PLATE AND INTERIOR SHOE.
 5) TAPPING SLEEVES TO HAVE STAINLESS STEEL BOLTS AND NUTS.
 6) ALL VALVES, FITTINGS & HYDRANTS & ACCESSORIES TO BE GREASED WRAPPED IN PLASTIC.
 7) ALL VALVES, FITTINGS AND ACCESSORIES, VALVE BOXES, METER BOXES AND COVERS MUST BE APPROVED BY S.W.S.C.

FIRE HYDRANT INSTALLATION
 CONSIST OF FIRE HYDRANT, VALVE AND VALVE BOX
 FIRE HYDRANT UNIT SHALL INCLUDE:
 1) FIRE HYDRANT w/ (4 1/2" PUMPER NOZZLE)
 2) VALVE BOX (DOMESTIC)
 3) 3 CU. FT. GRAVEL
 4) 3 CU. FT. CONCRETE 1" BELOW HYDRANT WEEP HOLES)
 5) 1" OR BETTER PVC SPOOLS
 6) 6" RESILIENT SEAT GATE VALVE (FLANGED X M.J.)
 7) X"x6" CAST IRON TEE (FLANGED X M.J.)
 "x" WATER MAIN DIA.

1) MECHANICAL JOINT
 2) FLANGE

STANDARD FIRE HYDRANT INSTALLATION
 MULLER/SUPER CENTURION 250 A-423) OR AMERICAN DARLING B-84-B (SEE NOTE 4) ONLY
 NOTE: FIRE HYDRANT TO BE PAINTED RED.

W-6B WATER / SANITARY SEWER CROSSING DETAILS



W-6C WATER / SANITARY SEWER CROSSING DETAILS

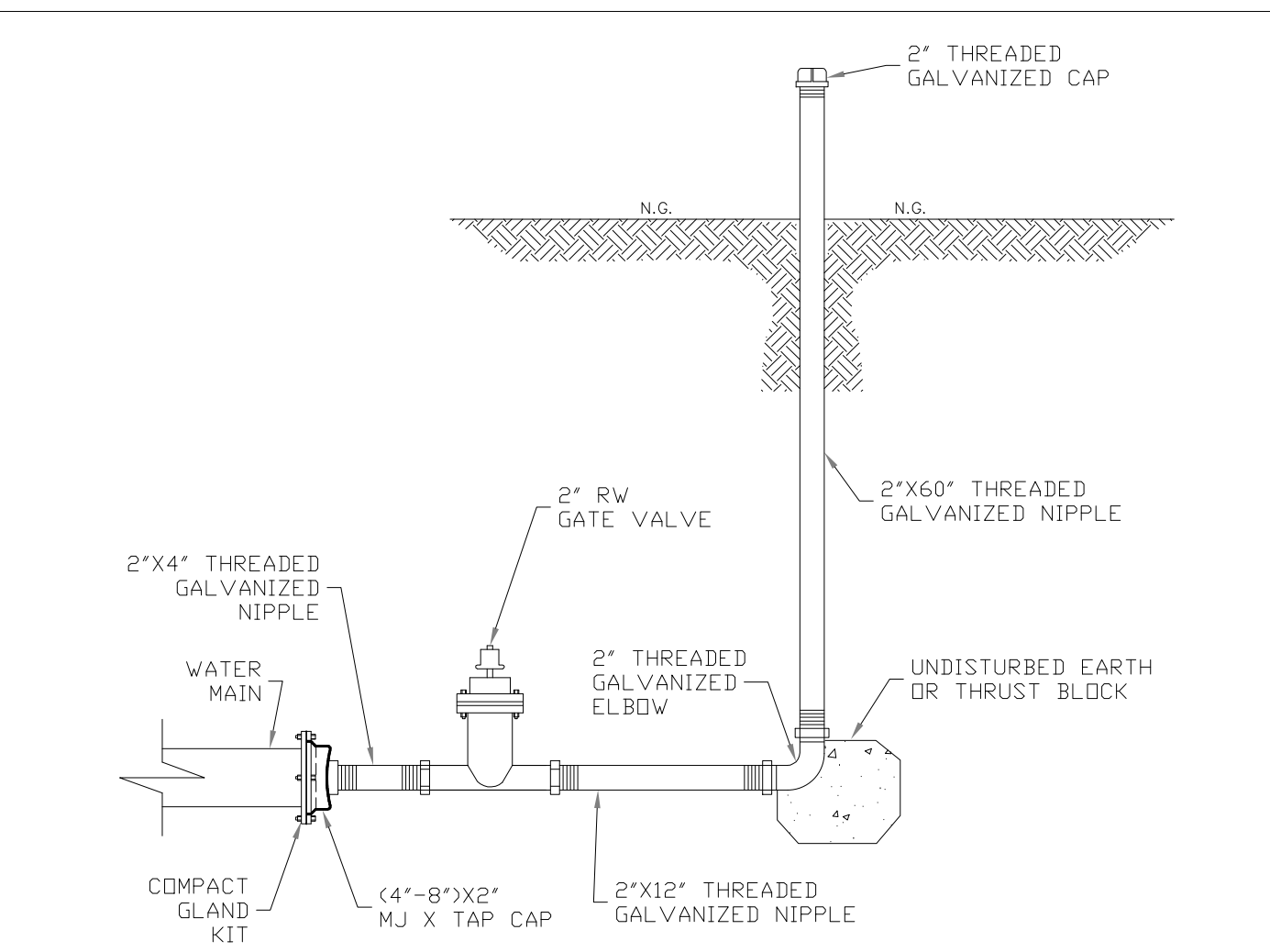
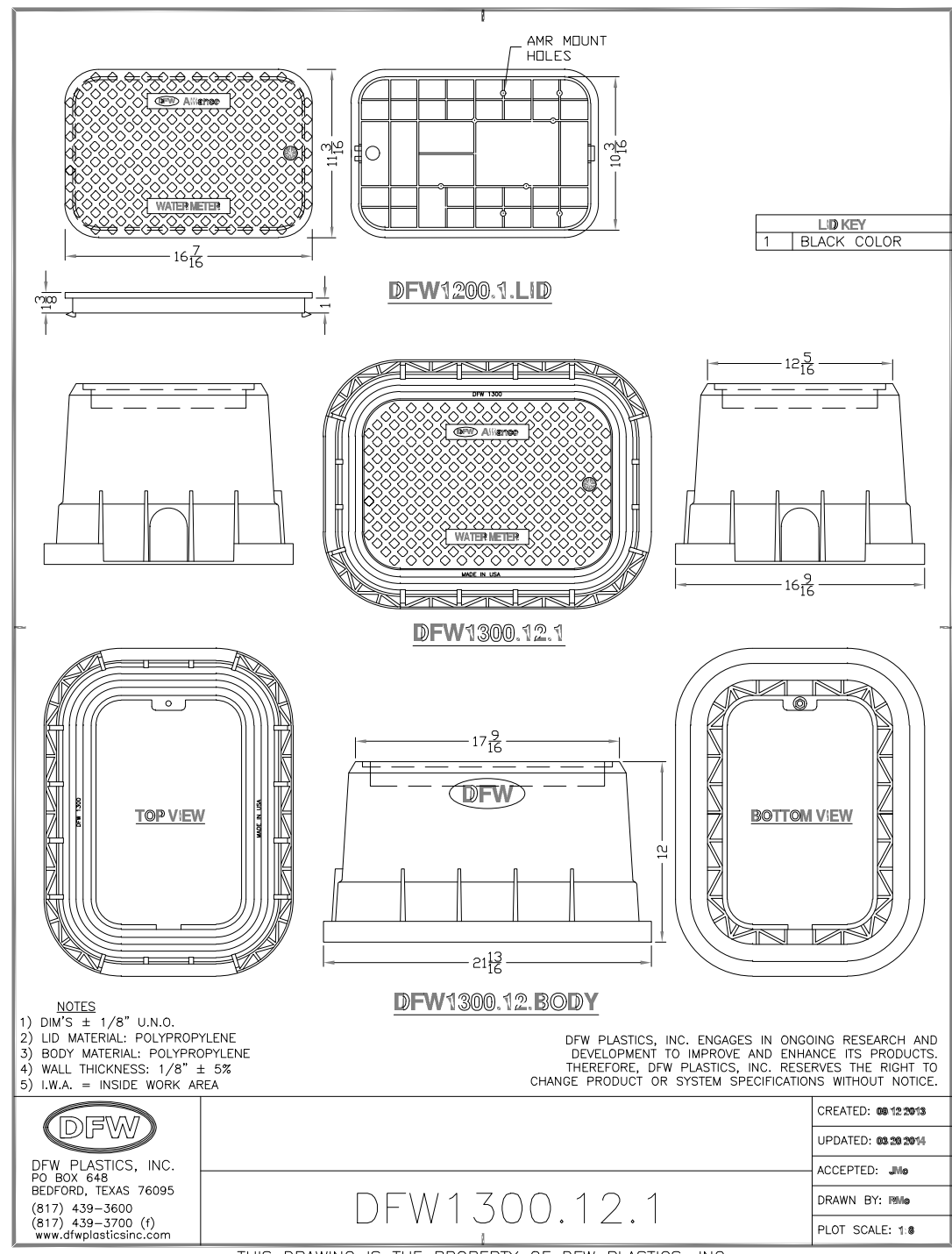
(A) A COLLECTION SYSTEM PIPE THAT RUNS PARALLEL TO AND BELOW A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS, CORROSION-RESISTANT, NON-BRITTLE PIPE THAT:
 (i) IS LOCATED AT LEAST TWO VERTICAL FEET BELOW THE WATER SUPPLY PIPE;
 (ii) IS LOCATED AT LEAST FOUR HORIZONTAL FEET AWAY FROM THE WATER SUPPLY PIPE; AND
 (iii) INCLUDES JOINTS THAT ARE DESIGNED TO SEAL AT ATMOSPHERIC PRESSURE.
 (B) A CASING PIPE FOR A COLLECTION SYSTEM PIPE THAT RUNS PARALLEL BELOW A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS PIPE THAT:
 (i) IS SEALED AT BOTH ENDS WITH CEMENT GROUT OR A MANUFACTURED SEAL.
 (ii) IS AT LEAST TWO NOMINAL SIZES LARGER THAN THE WASTEWATER COLLECTION PIPE; AND
 (iii) IS SUPPORTED BY SPACERS BETWEEN THE COLLECTION SYSTEM PIPE AND THE ENCASED PIPE AT A MAXIMUM OF FIVE-FOOT INTERVALS.
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY PAGE 6 CHAPTER 217-- DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS
 (7) IF A COLLECTION SYSTEM PIPE CROSSES BELOW A WATER SUPPLY PIPE, EACH PORTION OF THE COLLECTION SYSTEM PIPE WITHIN NINE FEET OF THE WATER SUPPLY PIPE MUST EITHER BE CONSTRUCTED USING AT LEAST 150 PSI PRESSURE CLASS PIPE ACCORDING TO SUBPARAGRAPH (A) OF THIS PARAGRAPH, OR MUST BE ENCASED IN CEMENT-STABILIZED SAND ACCORDING TO SUBPARAGRAPH (B) OF THIS PARAGRAPH, OR MUST BE ENCASED IN A CASING PIPE ACCORDING TO SUBPARAGRAPH (C) OF THIS PARAGRAPH. (A) A COLLECTION SYSTEM THAT CROSSES BELOW A WATER SUPPLY PIPE AND IS CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS, CORROSION-RESISTANT, NON-BRITTLE PIPE MUST:
 (i) HAVE AT LEAST SIX INCHES OF SEPARATION BETWEEN THE OUTSIDES OF THE PIPES;
 (ii) BE CENTERED ON THE CROSSING; (iii) BE AT LEAST 18 FEET LONG; AND
 (iv) TERMINATE AT JOINTS THAT ARE DESIGNED TO SEAL AT ATMOSPHERIC PRESSURE.
 (B) A COLLECTION SYSTEM PIPE THAT CROSSES BELOW A WATER SUPPLY PIPE AND IS CONSTRUCTED OF ANY MATERIAL OTHER THAN AT LEAST 150 PSI PRESSURE CLASS, CORROSION-RESISTANT, NON-BRITTLE PIPE MUST:
 (i) HAVE AT LEAST TWO FEET OF SEPARATION BETWEEN THE OUTSIDES OF THE PIPES; AND
 (ii) BE ENCASED IN CEMENT-STABILIZED SAND BACKFILL THAT MEETS THE REQUIREMENTS OF SUBPARAGRAPH (D) OF THIS PARAGRAPH.
 (C) A CASING PIPE FOR A COLLECTION SYSTEM PIPE THAT CROSSES BELOW A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS PIPE THAT IS:
 (i) SEALED AT BOTH ENDS WITH CEMENT GROUT OR A MANUFACTURED SEAL;
 (ii) AT LEAST TWO NOMINAL SIZES LARGER THAN THE WASTEWATER COLLECTION PIPE; AND
 (iii) SUPPORTED BY SPACERS BETWEEN THE COLLECTION SYSTEM PIPE AND THE ENCASED PIPE AT A MAXIMUM OF FIVE-FOOT INTERVALS.
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY PAGE 7 CHAPTER 217--DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS
 (D) CEMENT-STABILIZED SAND FOR ENCASED COLLECTION SYSTEM PIPES MUST:
 (i) INCLUDE AT LEAST 160 POUNDS OF CEMENT FOR EVERY CUBIC YARD OF SAND;
 (ii) BE INSTALLED BEGINNING ONE-QUARTER PIPE DIAMETER BELOW THE CENTERLINE OF THE COLLECTION SYSTEM PIPE;
 (iii) BE INSTALLED ENDING ONE FULL PIPE DIAMETER ABOVE THE TOP OF THE COLLECTION SYSTEM PIPE, OR 12 INCHES ABOVE THE TOP OF THE COLLECTION SYSTEM PIPE, WHICHEVER IS GREATER.

W-7 STANDARD WATER PIPE BEDDING DETAILS

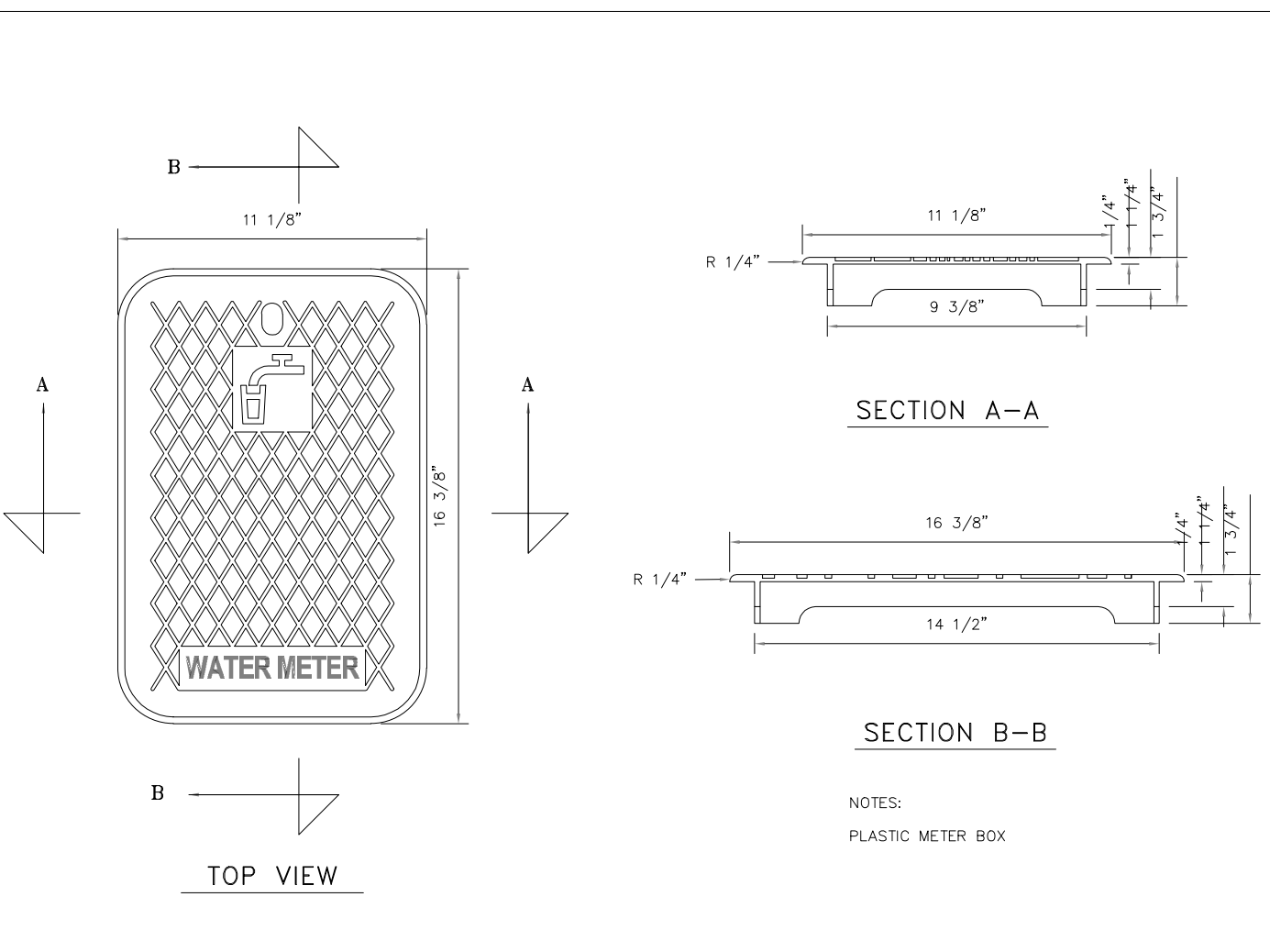
(A) A COLLECTION SYSTEM PIPE THAT RUNS PARALLEL TO AND BELOW A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS, CORROSION-RESISTANT, NON-BRITTLE PIPE THAT:
 (i) IS LOCATED AT LEAST TWO VERTICAL FEET BELOW THE WATER SUPPLY PIPE;
 (ii) IS LOCATED AT LEAST FOUR HORIZONTAL FEET AWAY FROM THE WATER SUPPLY PIPE; AND
 (iii) INCLUDES JOINTS THAT ARE DESIGNED TO SEAL AT ATMOSPHERIC PRESSURE.
 (B) A CASING PIPE FOR A COLLECTION SYSTEM PIPE THAT RUNS PARALLEL BELOW A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS PIPE THAT:
 (i) IS SEALED AT BOTH ENDS WITH CEMENT GROUT OR A MANUFACTURED SEAL.
 (ii) IS AT LEAST TWO NOMINAL SIZES LARGER THAN THE WASTEWATER COLLECTION PIPE; AND
 (iii) IS SUPPORTED BY SPACERS BETWEEN THE COLLECTION SYSTEM PIPE AND THE ENCASED PIPE AT A MAXIMUM OF FIVE-FOOT INTERVALS.
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY PAGE 6 CHAPTER 217-- DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS
 (7) IF A COLLECTION SYSTEM PIPE CROSSES BELOW A WATER SUPPLY PIPE, EACH PORTION OF THE COLLECTION SYSTEM PIPE WITHIN NINE FEET OF THE WATER SUPPLY PIPE MUST EITHER BE CONSTRUCTED USING AT LEAST 150 PSI PRESSURE CLASS PIPE ACCORDING TO SUBPARAGRAPH (A) OF THIS PARAGRAPH, OR MUST BE ENCASED IN CEMENT-STABILIZED SAND ACCORDING TO SUBPARAGRAPH (B) OF THIS PARAGRAPH, OR MUST BE ENCASED IN A CASING PIPE ACCORDING TO SUBPARAGRAPH (C) OF THIS PARAGRAPH. (A) A COLLECTION SYSTEM THAT CROSSES BELOW A WATER SUPPLY PIPE AND IS CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS, CORROSION-RESISTANT, NON-BRITTLE PIPE MUST:
 (i) HAVE AT LEAST SIX INCHES OF SEPARATION BETWEEN THE OUTSIDES OF THE PIPES;
 (ii) BE CENTERED ON THE CROSSING; (iii) BE AT LEAST 18 FEET LONG; AND
 (iv) TERMINATE AT JOINTS THAT ARE DESIGNED TO SEAL AT ATMOSPHERIC PRESSURE.
 (B) A COLLECTION SYSTEM PIPE THAT CROSSES BELOW A WATER SUPPLY PIPE AND IS CONSTRUCTED OF ANY MATERIAL OTHER THAN AT LEAST 150 PSI PRESSURE CLASS, CORROSION-RESISTANT, NON-BRITTLE PIPE MUST:
 (i) HAVE AT LEAST TWO FEET OF SEPARATION BETWEEN THE OUTSIDES OF THE PIPES; AND
 (ii) BE ENCASED IN CEMENT-STABILIZED SAND BACKFILL THAT MEETS THE REQUIREMENTS OF SUBPARAGRAPH (D) OF THIS PARAGRAPH.
 (C) A CASING PIPE FOR A COLLECTION SYSTEM PIPE THAT CROSSES BELOW A WATER SUPPLY PIPE MUST BE CONSTRUCTED OF AT LEAST 150 PSI PRESSURE CLASS PIPE THAT IS:
 (i) SEALED AT BOTH ENDS WITH CEMENT GROUT OR A MANUFACTURED SEAL;
 (ii) AT LEAST TWO NOMINAL SIZES LARGER THAN THE WASTEWATER COLLECTION PIPE; AND
 (iii) SUPPORTED BY SPACERS BETWEEN THE COLLECTION SYSTEM PIPE AND THE ENCASED PIPE AT A MAXIMUM OF FIVE-FOOT INTERVALS.
 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY PAGE 7 CHAPTER 217--DESIGN CRITERIA FOR DOMESTIC WASTEWATER SYSTEMS
 (D) CEMENT-STABILIZED SAND FOR ENCASED COLLECTION SYSTEM PIPES MUST:
 (i) INCLUDE AT LEAST 160 POUNDS OF CEMENT FOR EVERY CUBIC YARD OF SAND;
 (ii) BE INSTALLED BEGINNING ONE-QUARTER PIPE DIAMETER BELOW THE CENTERLINE OF THE COLLECTION SYSTEM PIPE;
 (iii) BE INSTALLED ENDING ONE FULL PIPE DIAMETER ABOVE THE TOP OF THE COLLECTION SYSTEM PIPE, OR 12 INCHES ABOVE THE TOP OF THE COLLECTION SYSTEM PIPE, WHICHEVER IS GREATER.

W-8 TYPICAL VALVE AND VALVE BOX INSTALLATION ON MAIN LINE

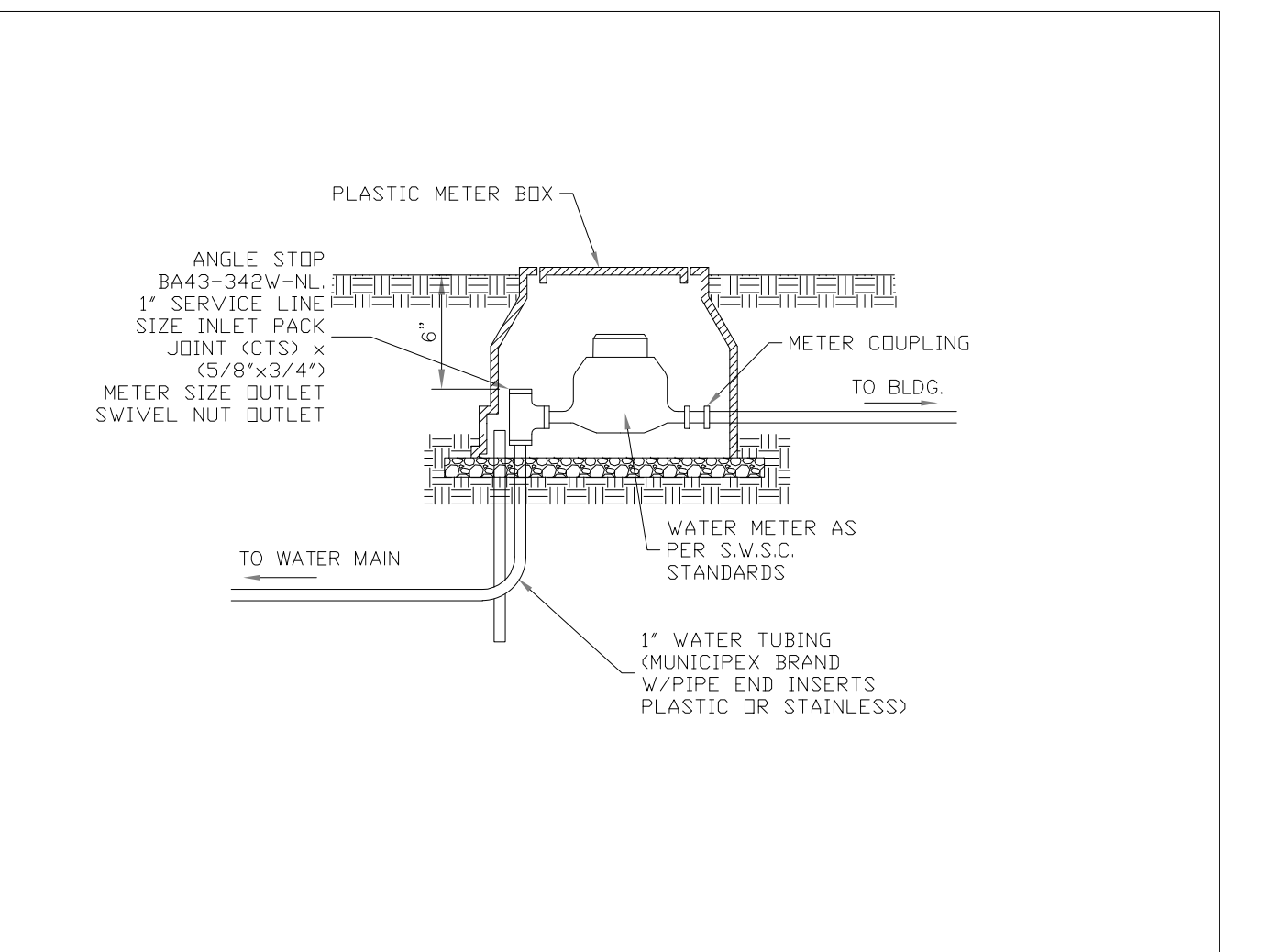
INSTALL 6" CONC. COLLAR WHEN VALVE FALL INSIDE PAVEMENT
 VALVE BOX COVER SHALL BE FOR A 4" ALAMO IRON WORKS 813-05-2, FOR A 6" - 12" ALAMO IRON WORKS 813-10-2 OR APPROVED EQUAL.
 GATE VALVE SHALL BE RESILIENT SEAT GATE VALVE WITH RING-TYPE ENDS OR APPROVED EQUAL.
 NOTE: MUELLER (A-2360 SERIES) OR AMERICAN FLOW CONTROL (AFC-2500) ONLY NOTE: ALL FITTINGS TO BE GREASED AND WRAPPED IN PLASTIC.
 REV. DATE: 4/8/20



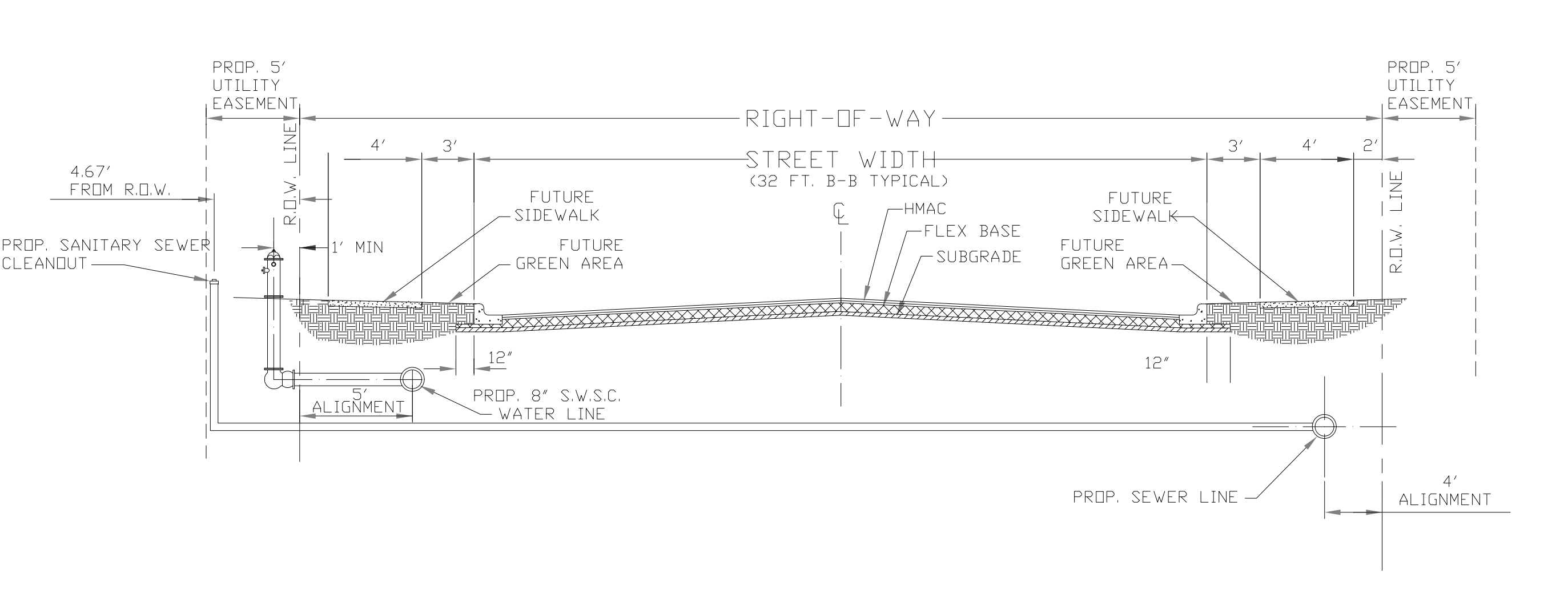
W-10 FLUSH VALVE DETAIL



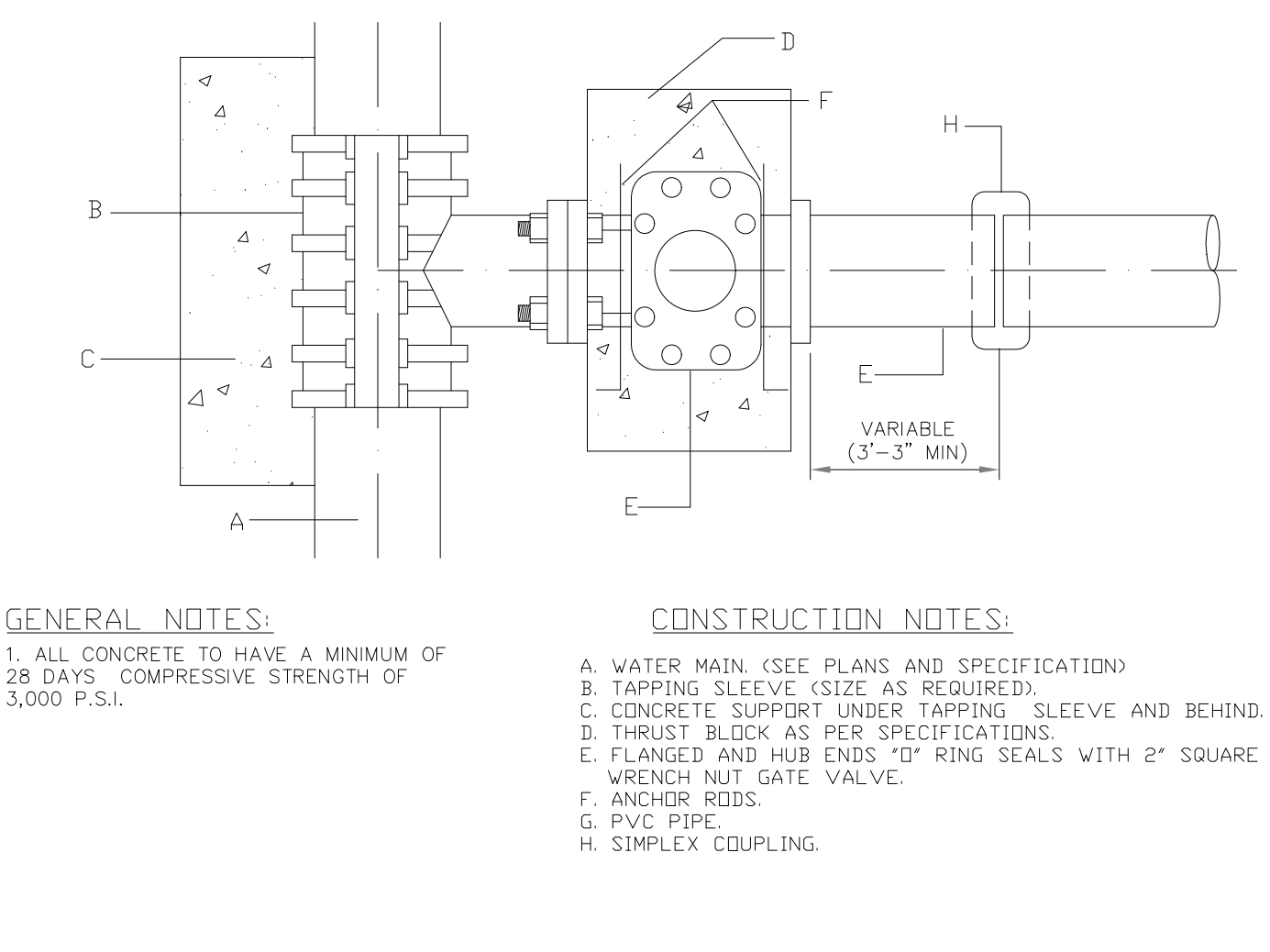
W-11 METER COVER DETAIL



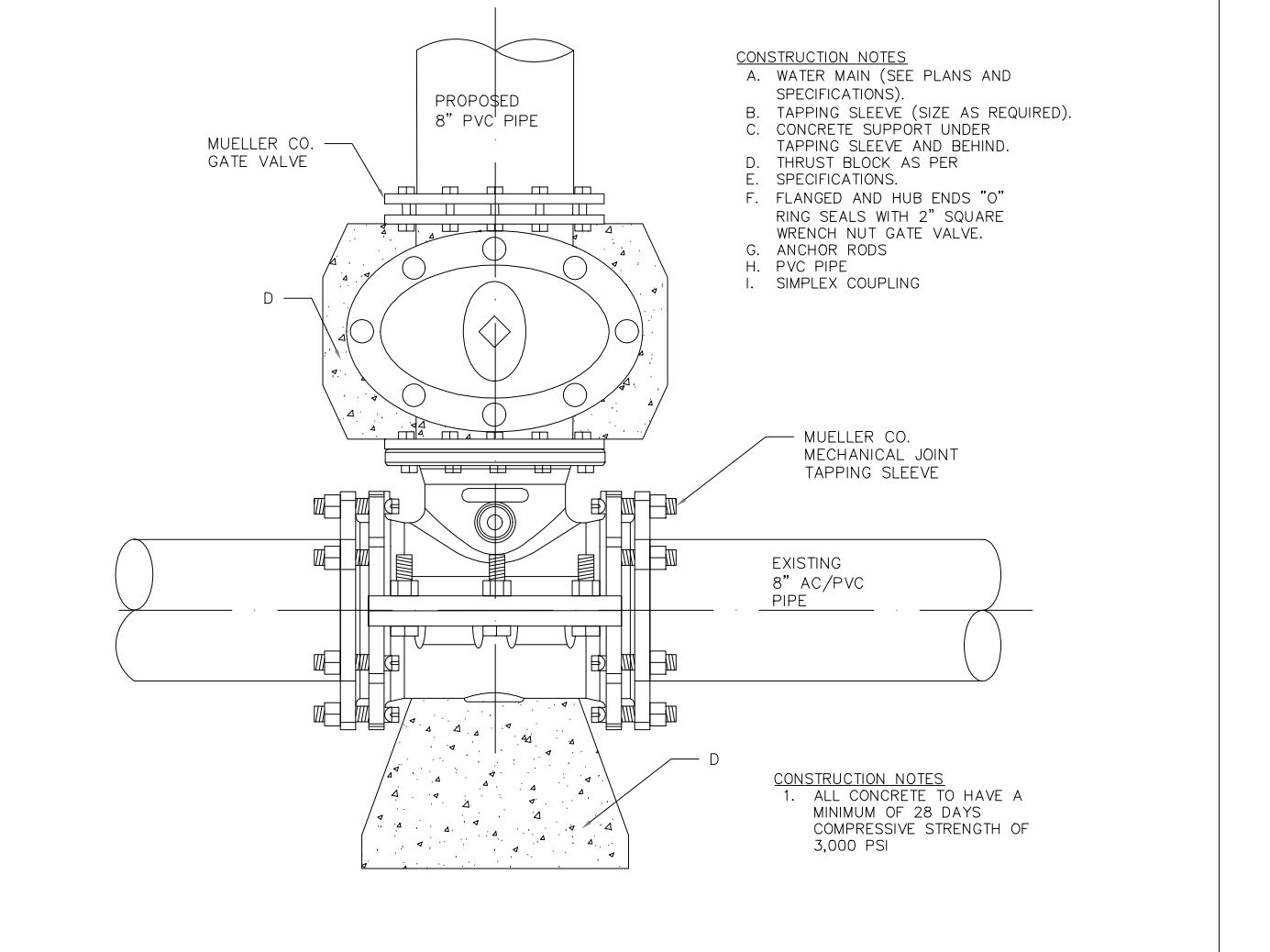
W-12 TYPICAL WATER METER INSTALLATION



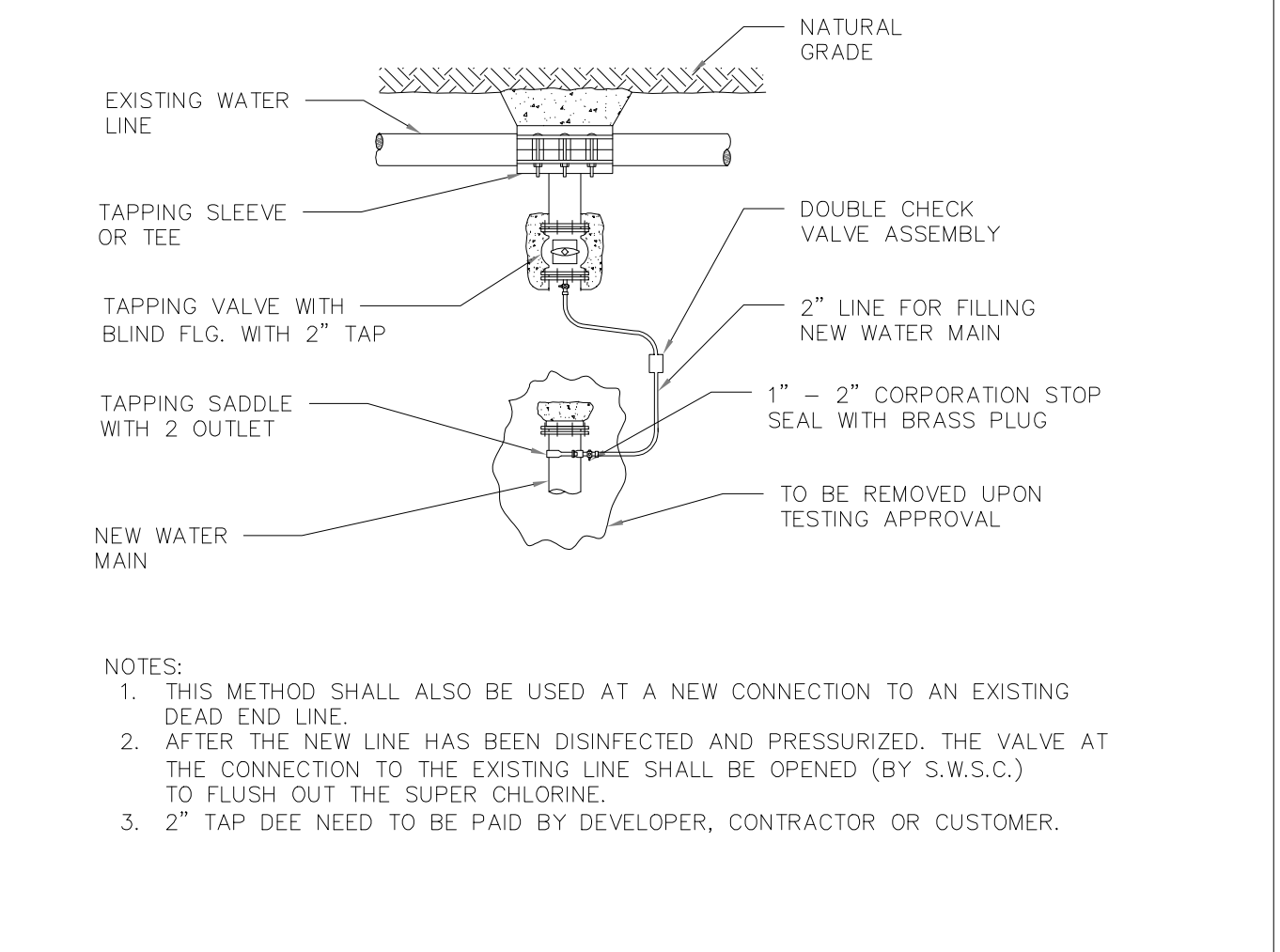
W-13 TYPICAL LOCAL STREET SECTION



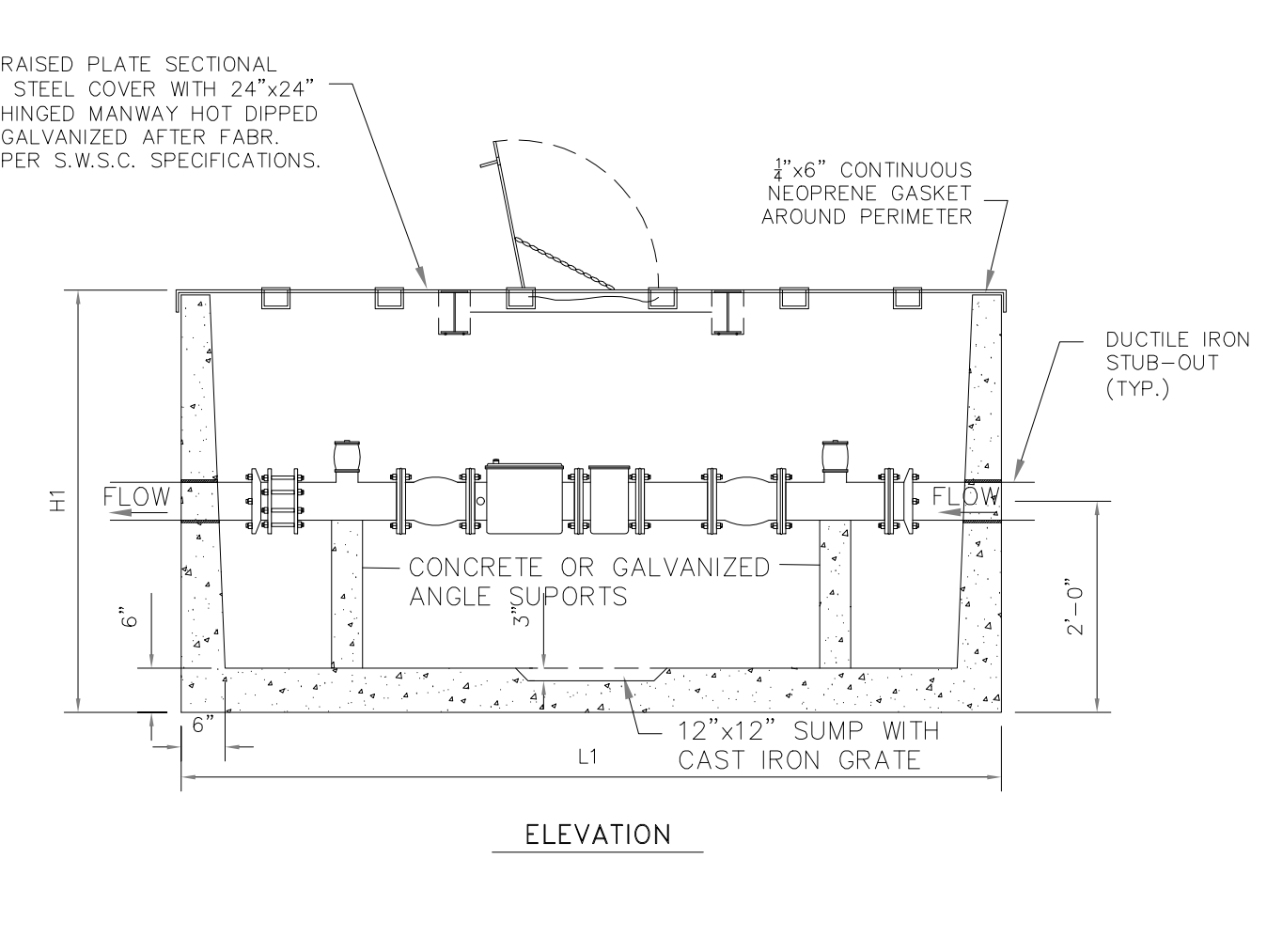
W-14 WATER TAPPING SLEEVE & VALVE INSTALLATION



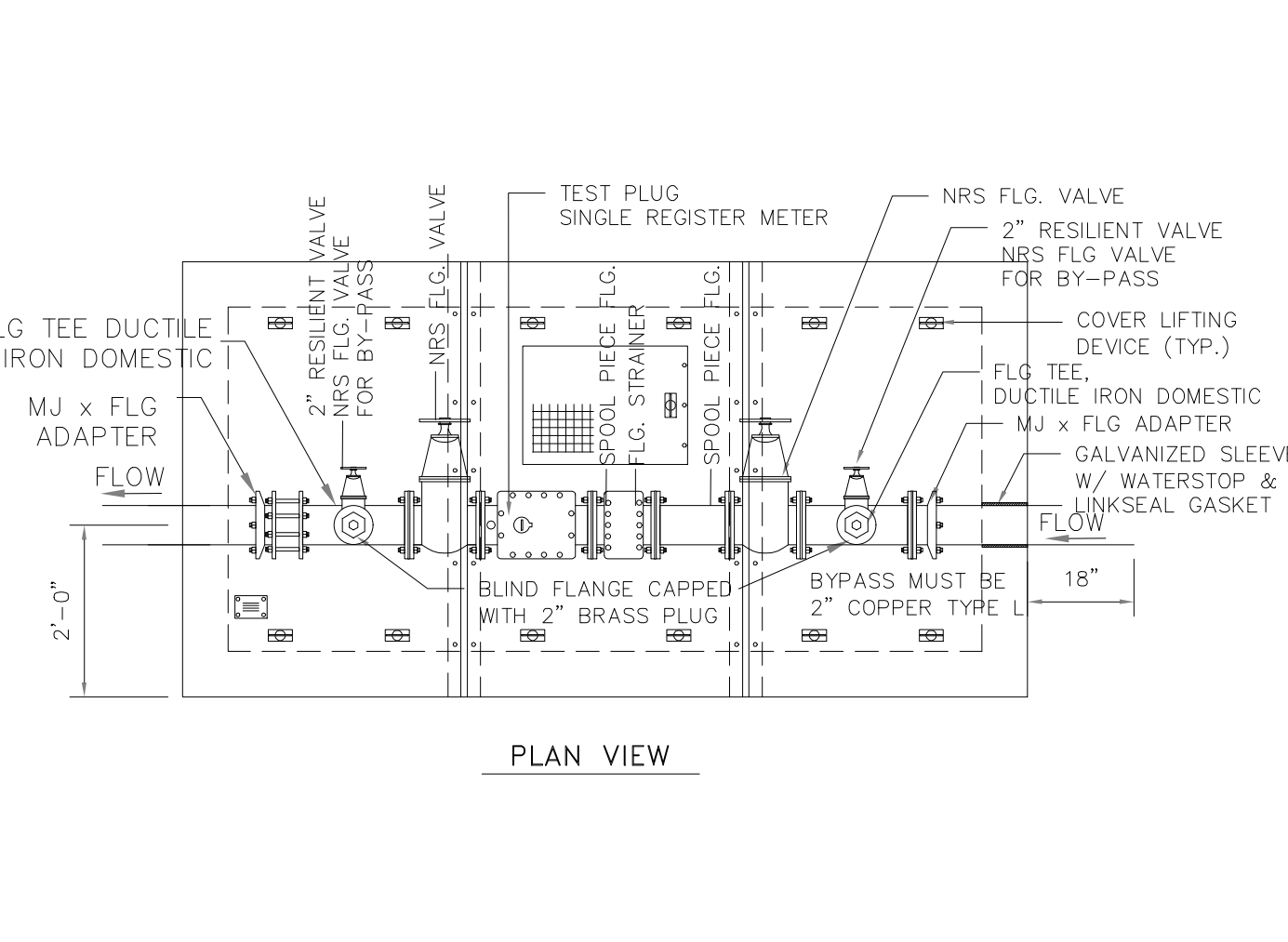
W-15 SAME SIZE WATER TAPPING SLEEVE AND VALVE INSTALLATION



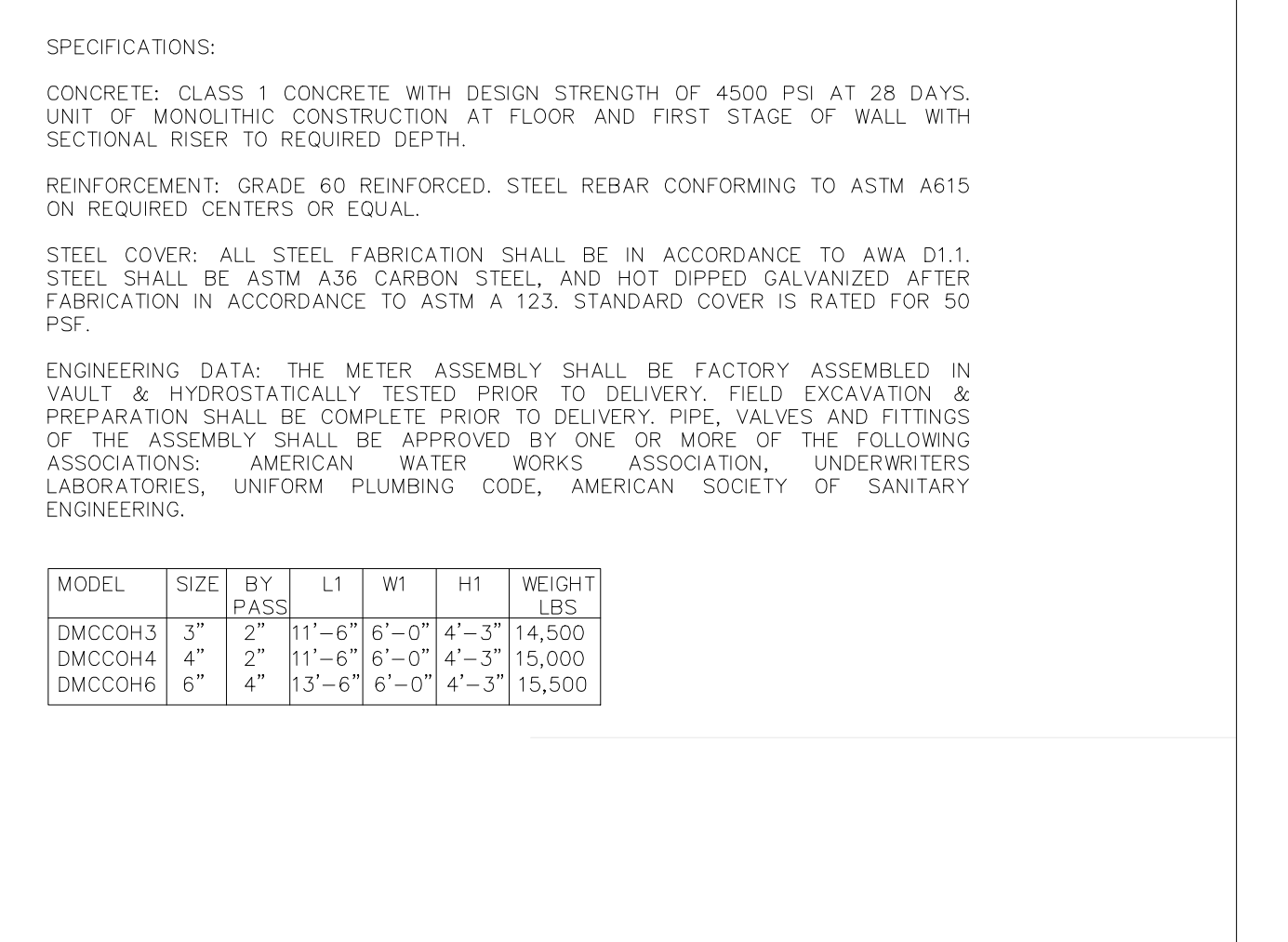
W-16 METHOD FOR FILLING NEW WATER LINES PRIOR TO CHLORINATION AND TESTING



W-17A METER VAULT DETAILS



W-17B METER VAULT DETAILS



W-17C METER VAULT GENERAL NOTES

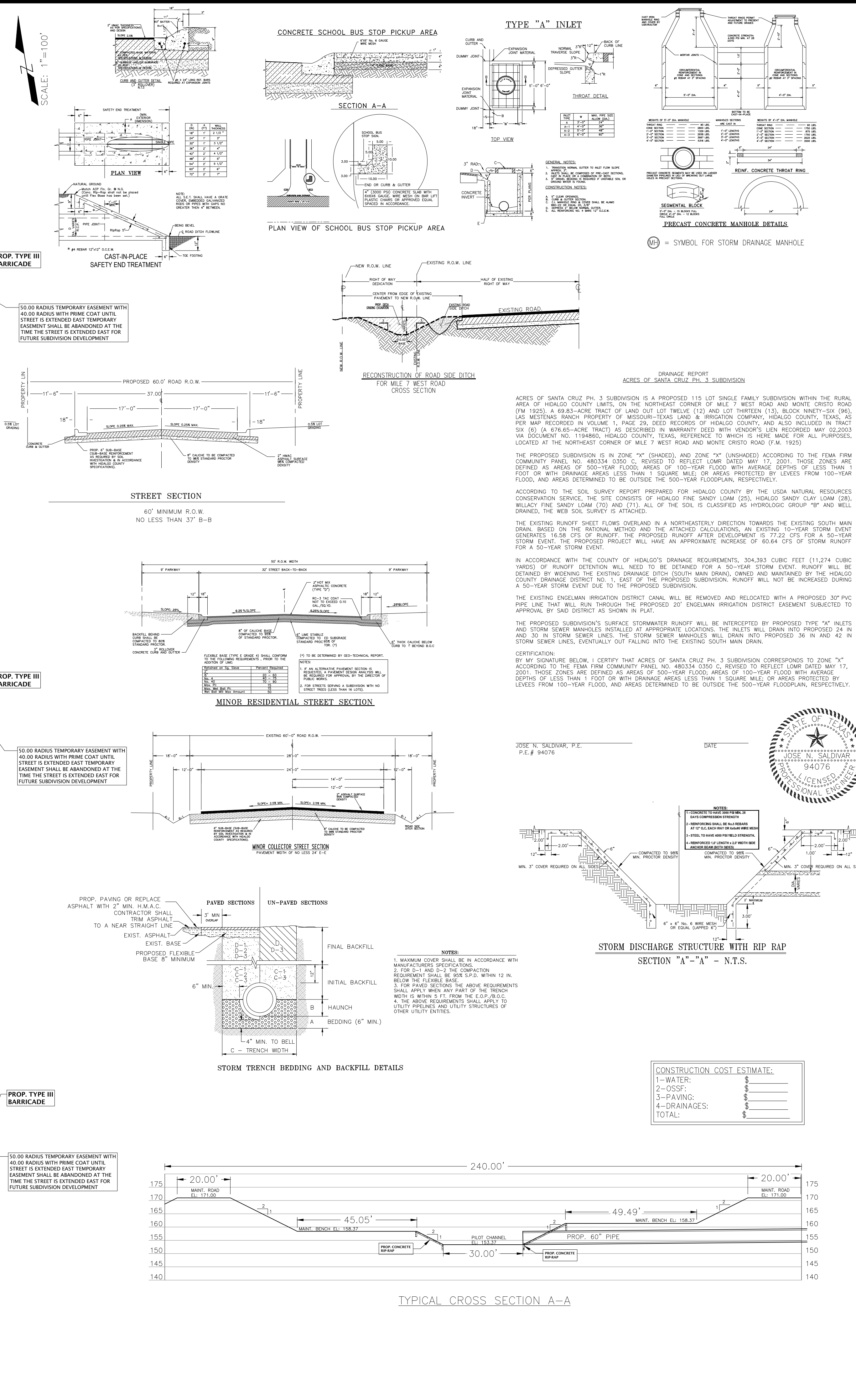
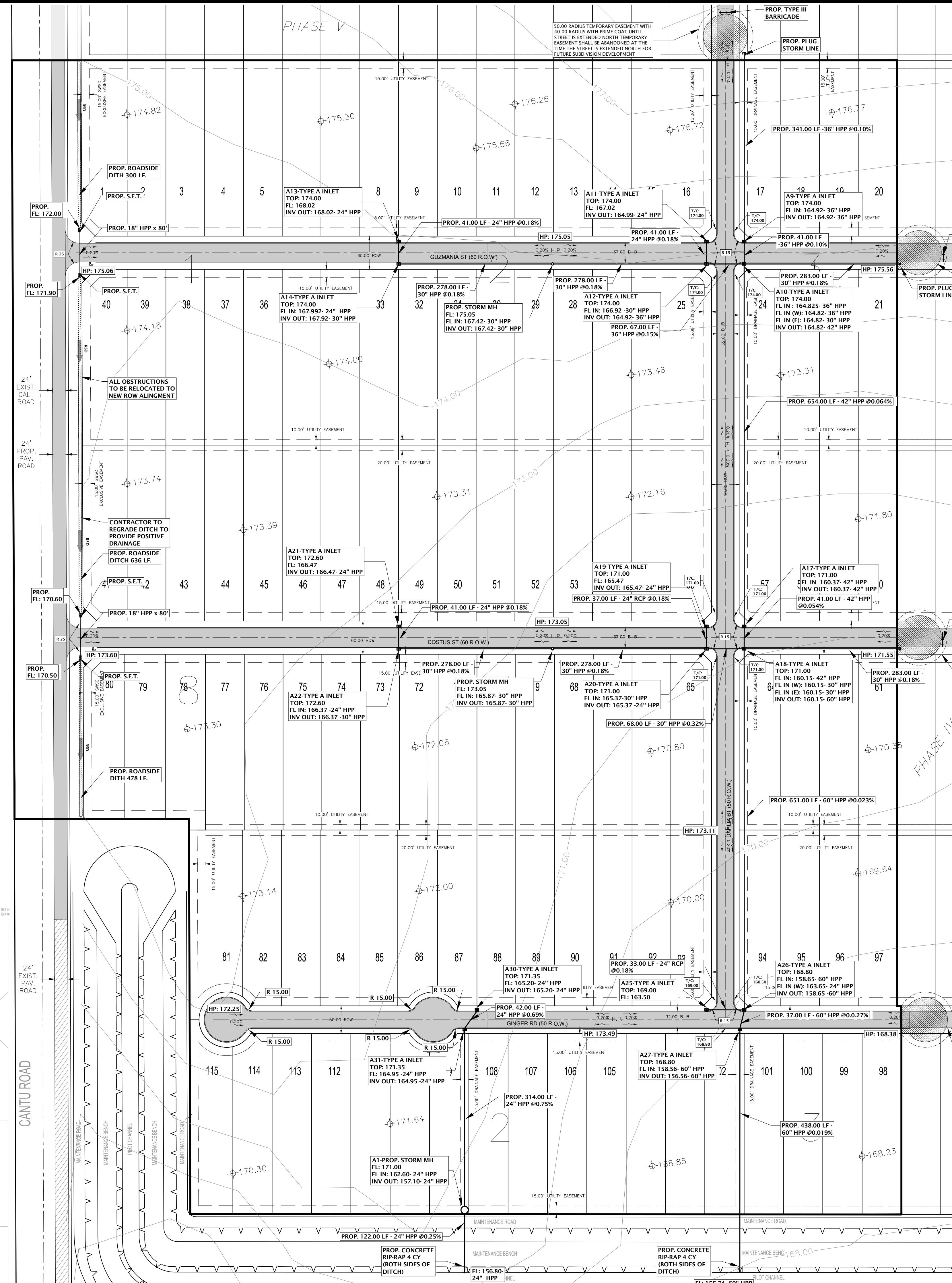
DRAWING DATE: MARCH, 2024
 RELEASE DATE: MARCH 11, 2024
 DESIGNED BY: N.S.
 DRAWN BY: L.M.
 CHECKED BY: N.S.
 UPDATED DWG. BY:
 SCALE: 1" = 6'

ACRES OF SANTA CRUZ PH. 3 SUBDIVISION
 A 70.56 ACRE TRACT OF LAND OUT OF LOTS ONE (1), TWO (2), THREE (3), SIX (6), SEVEN (7), AND EIGHT (8), BLOCK TWENTY-FIVE (25), LOTS ONE (1), TWO (2), THREE (3), BLOCK THIRTY-SIX (36), OF THE JACKSON SUBDIVISION OF THE WELDON TRACT, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 4, PAGES 570-581, DEED RECORD, HIDALGO COUNTY, TEXAS, TOGETHER WITH THE ABANDONED ROAD RIGHTS OF WAY WHICH WERE CLOSED IN RESOLUTION AND ORDER CLOSING COUNTY ROADS DATED MAY 23, 1983, FILED MAY 24, 1983, RECORDED IN VOLUME 1840, PAGE 225, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

WATER DETAILS
 SHARYLAND WATER SUPPLY

PHONE No. (956) 403-9787
 Email: s2engineering.us@gmail.com
 2424 MIMOSA ST.
 MISSION, TX 78574





ACRES OF SANTA CRUZ PH. 3 SUBDIVISION

A 70.56 ACRE TRACT OF LAND OUT OF LOTS ONE (1), TWO (2), THREE (3), SIX (6), SEVEN (7), AND EIGHT (8), BLOCK TWENTY-FIVE (25), LOTS ONE (1), TWO (2), THREE (3), BLOCK THIRTY-SIX (36), OF THE JACKSON SUBDIVISION OF THE WELDON TRACT, HIDALGO COUNTY, TEXAS, ACCORDING TO THE MAP OR PLAT THEREOF RECORDED IN VOLUME 4, PAGES 570-581, DEED RECORD, HIDALGO COUNTY, TEXAS, TOGETHER WITH THE ABANDONED ROAD RIGHTS OF WAY WHICH WERE CLOSED IN RESOLUTION AND ORDER RECORD, HIDALGO COUNTY RECORDS DATED MAY 23, 1985, FILED MAY 24, 1985, RECORDED IN VOLUME 1840, PAGE 225, OFFICIAL RECORDS, HIDALGO COUNTY, TEXAS.

PROPOSED SUBDIVISION PAVING AND DRAINAGE DESIGN



S2 ENGINEERING, PLLC
 CIVIL ENGINEERING - CONSTRUCTION MANAGER - TBE F-22869

PHONE No. (956) 403-9787
 Email: s2engineering.ns@gmail.com

2424 MIMOSA ST.
 MISSION, TX 78574

PLAT SHEET
 6 OF 6