

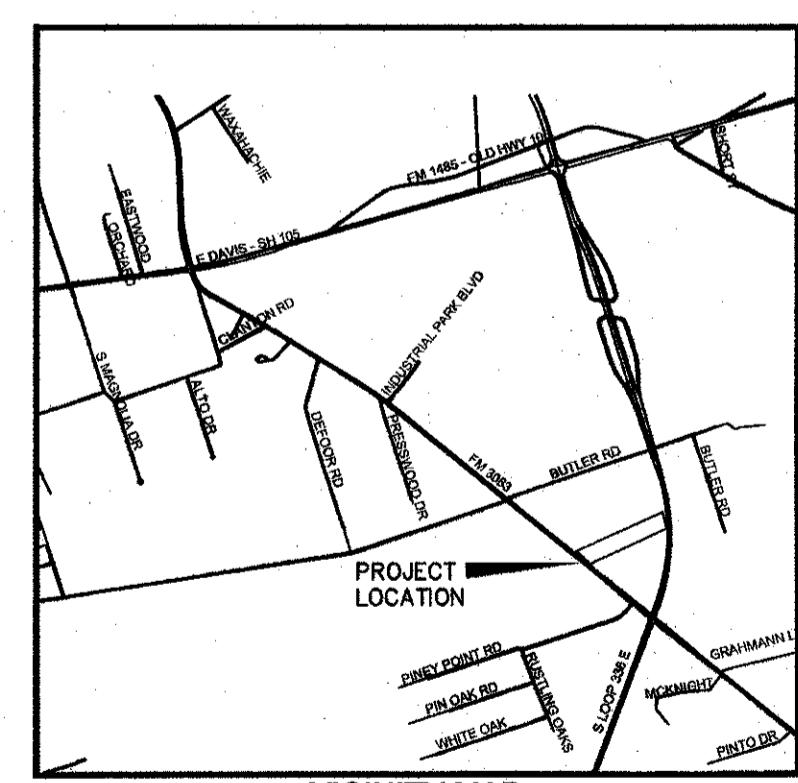
SANBERG INVESTMENTS

SITE PLAN

4065 S. LOOP 336 E. CONROE, TX 77301

Drawing Index

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Utility Layout	03
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VICINITY MAP
Montgomery County Key Map

N.T.S.

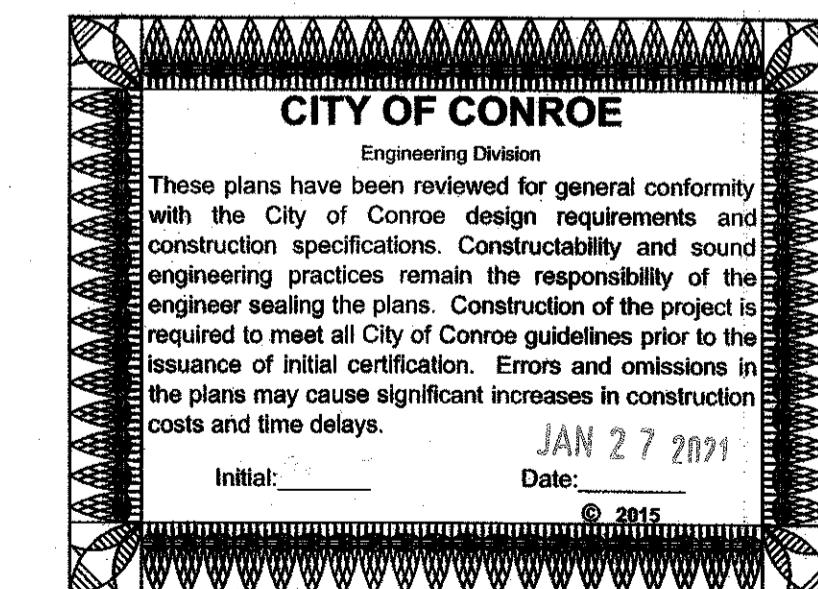
Construction Plans

GRADING & PAVING & UTILITIES

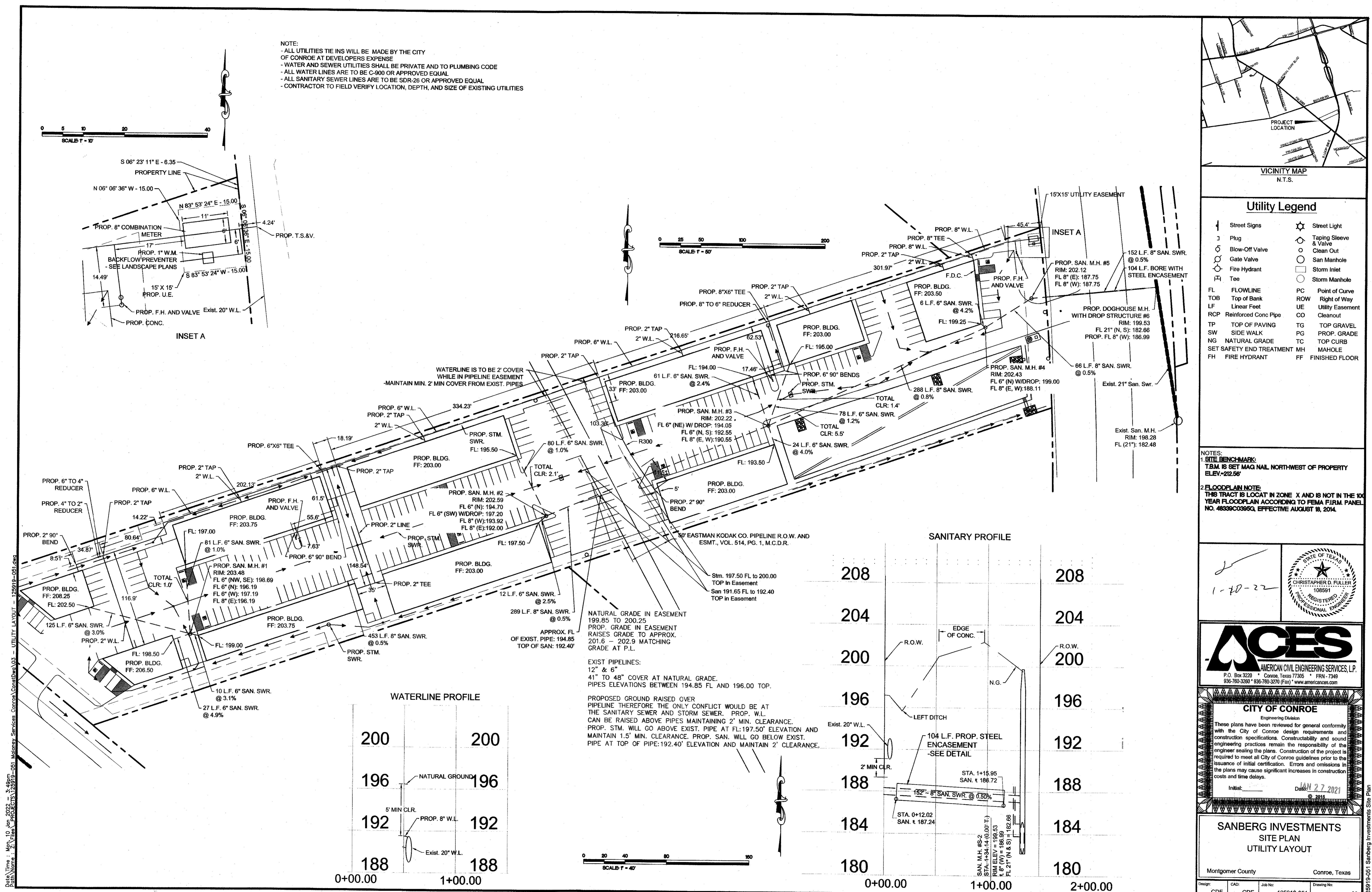
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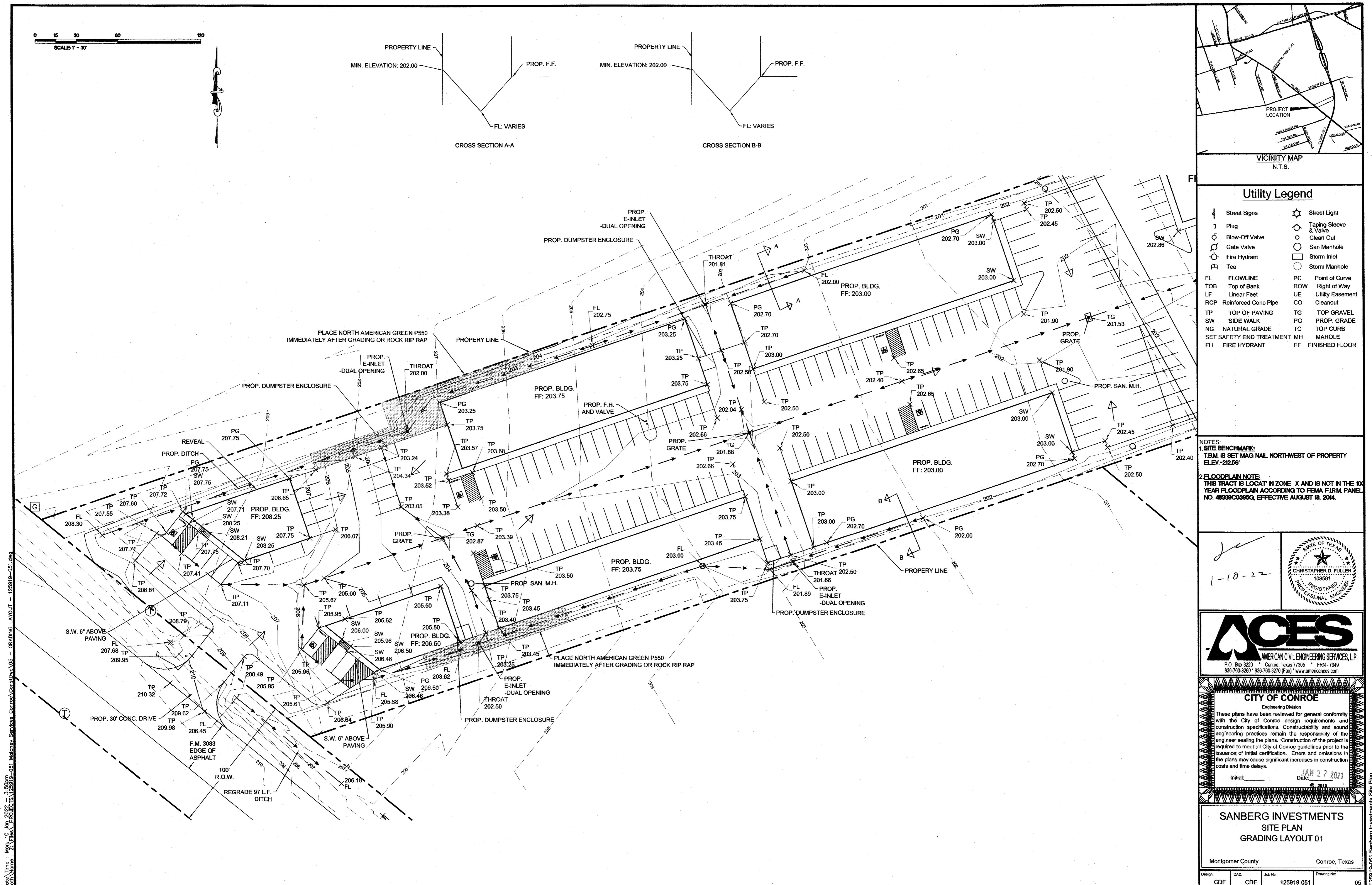


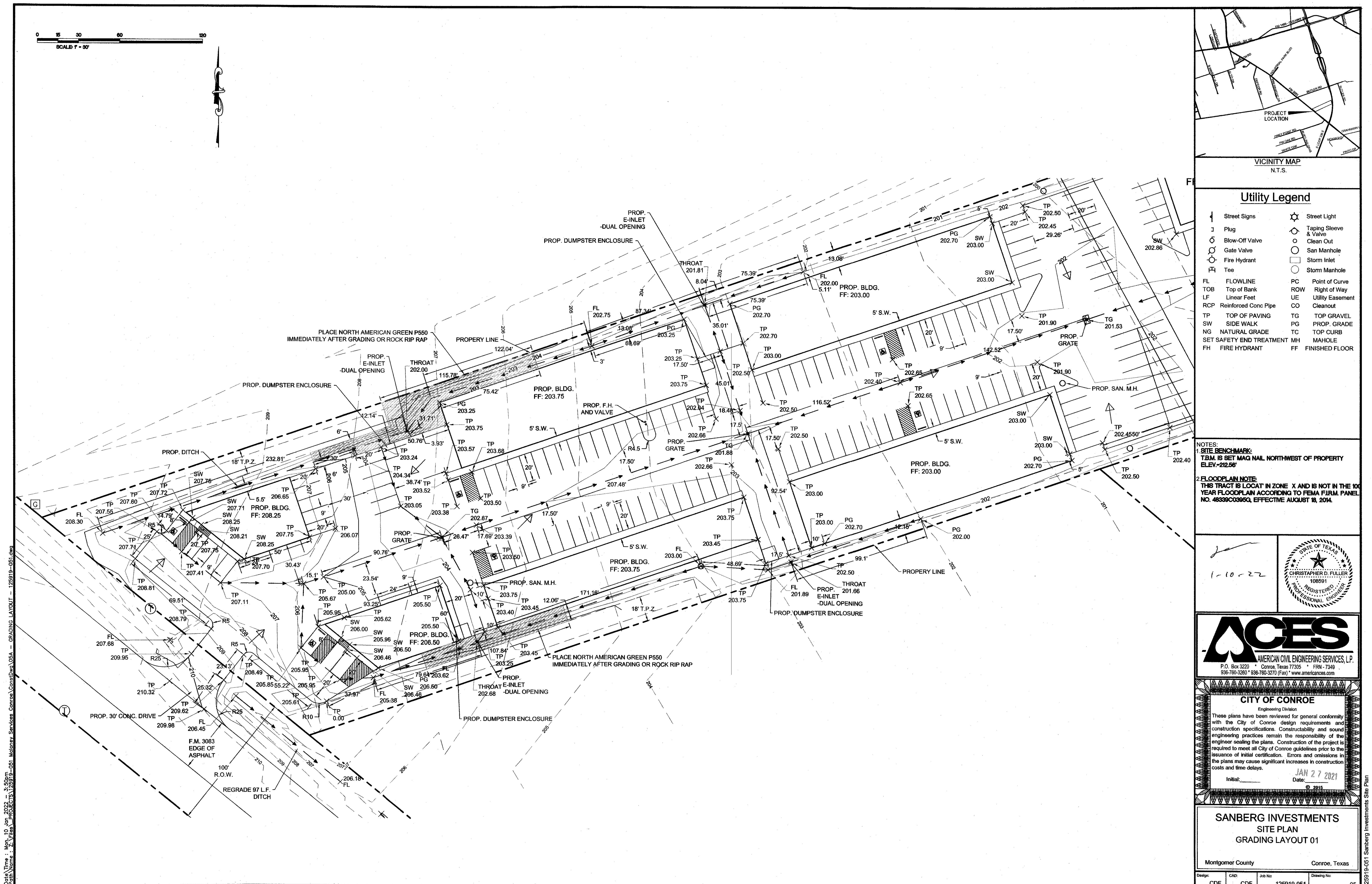
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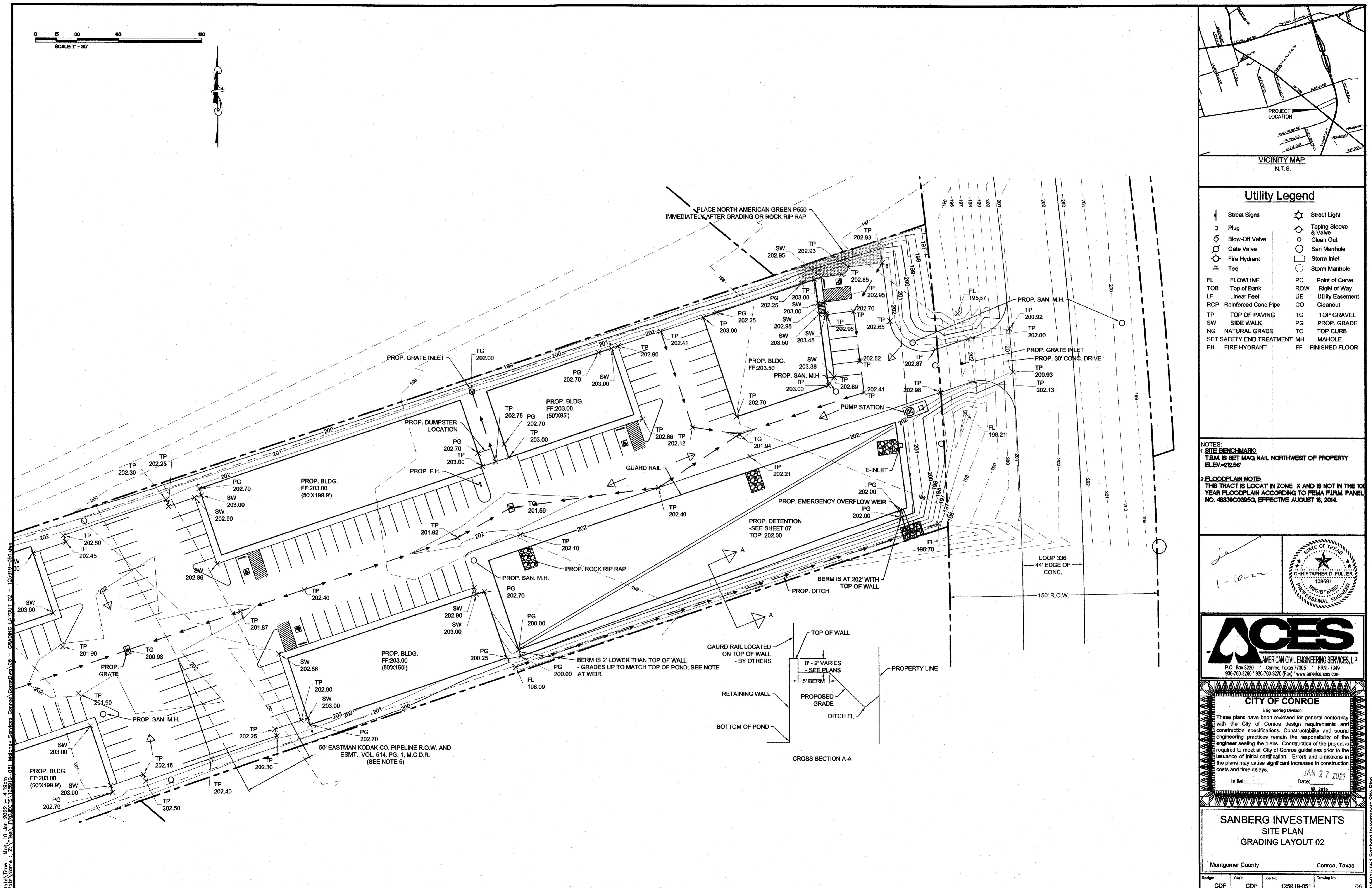


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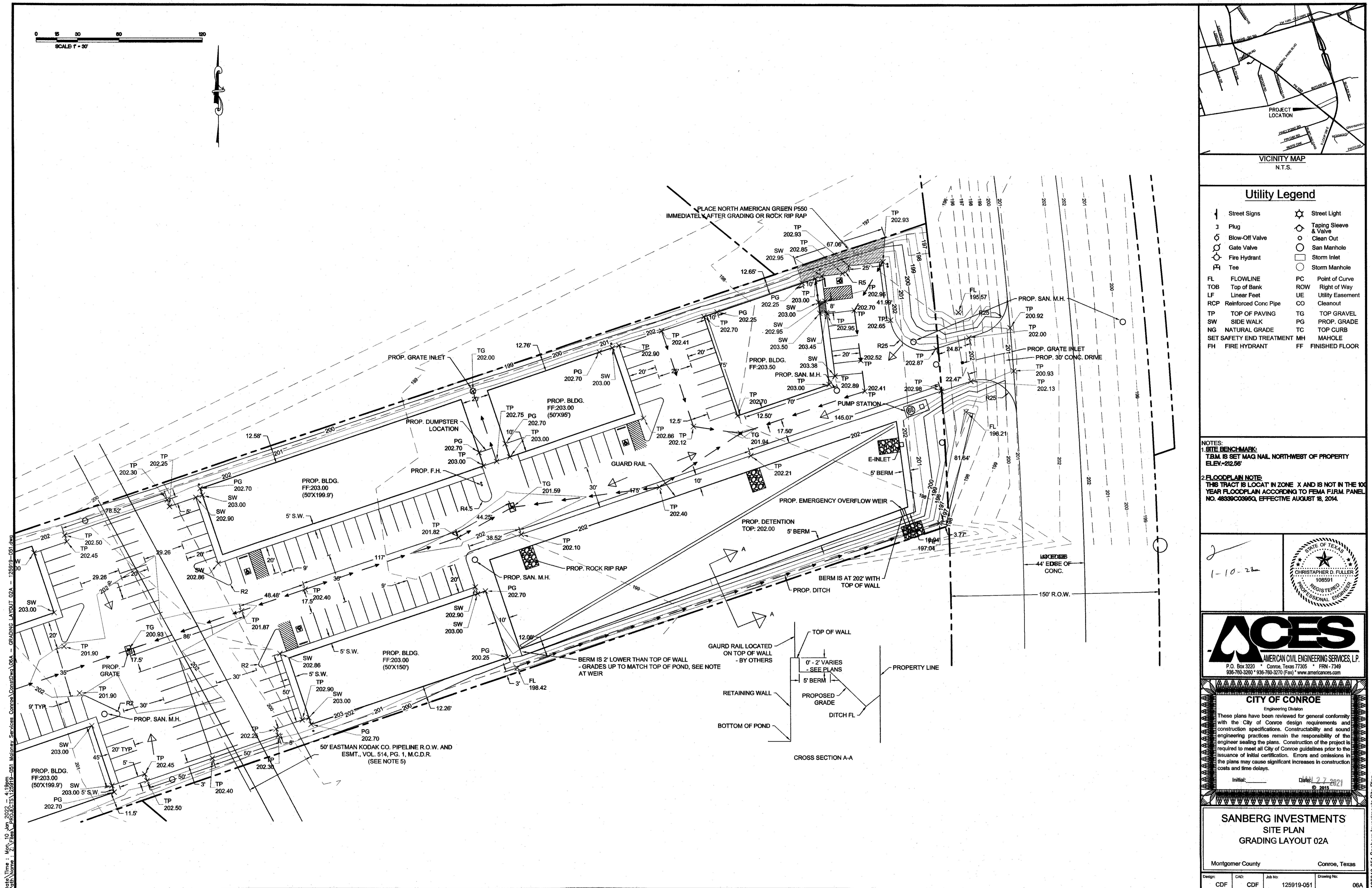






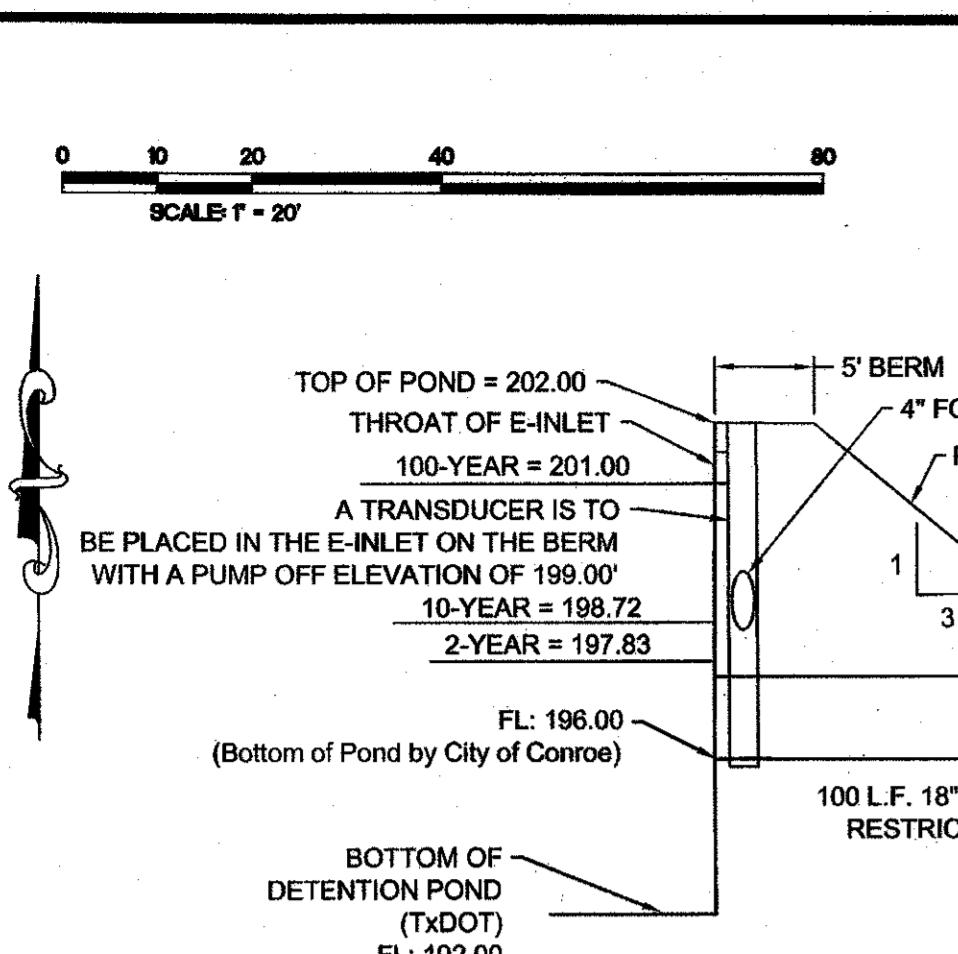


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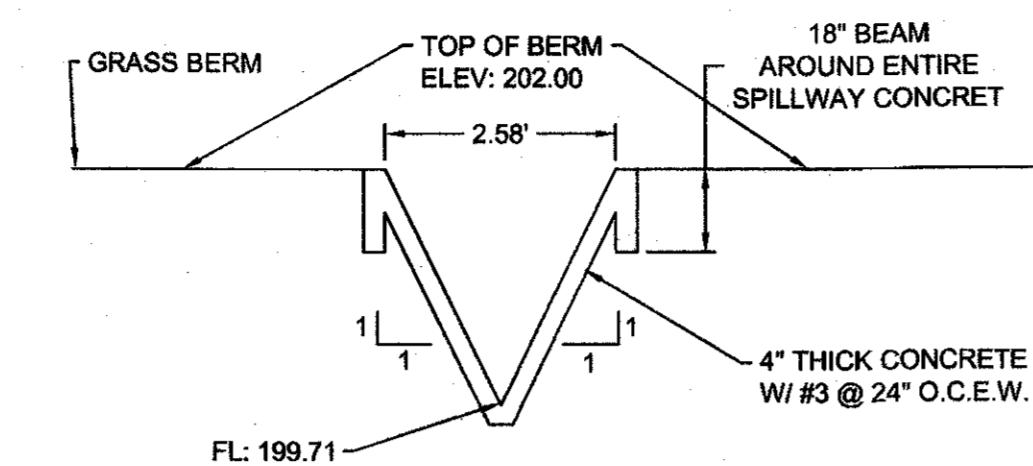
Page 10

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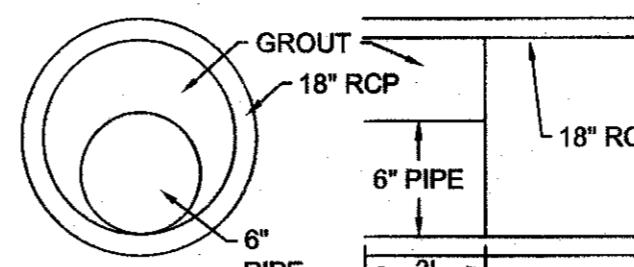


DETENTION CROSS-SECTION B-B
NOT TO SCALE

NOTE: GRAVITY PORTION OF POND SATISFIES CITY OF CONROE DETENTION REGULATIONS. EXTRA DEPTH AND PUMP STATION ARE FOR ADDITIONAL TXDOT REQUIREMENTS



EMERGENCY SPILLWAY PROFILE



DETAIL OF 18" DISCHARGE LINE WITH 6" RESTRICTOR PIPE

RETAINING WALL SPECIFICATIONS

MATERIAL	ASTM SPECIFICATION (MINIMUM)
1.0 STEEL	
1.01 CONCRETE REINFORCING	A615 GRADE 60
1.02 ALL REINFORCED STEEL SHALL BE DETAILED AND INSTALLED PER MOST RECENT AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATIONS (ACI 315).	A305
2.0 CONCRETE	
2.01 PORTLAND CEMENT	C-150
2.02 AGGREGATE	C-33
2.03 ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 4,000 PSI. USE OF CALCIUM CHLORIDE OR FLY ASH IS PROHIBITED. CONCRETE SHALL BE PLACED AND CURED PER LATEST ACI SPECIFICATIONS. CONCRETE SHALL NOT BE PLACED IN FREEZING WEATHER.	
B. GENERAL	
1.0 SOIL BEARING SPECIFICATIONS: 2,800 PSF MINIMUM	
2.0 DESIGNS ARE NOT INTENDED TO BE USED WHERE ICE COULD FORM UNDER FOUNDATIONS OR ADJACENT TO WALL.	
3.0 NO WATER LINES SHALL BE PERMITTED BEHIND RETAINING WALL. STANDING WATER BEHIND WALL IS PROHIBITED. POSITIVE DRAINAGE OF ALL SURFACE WATER BEHIND RETAINING WALL IS REQUIRED.	

N

NOTES:

1. PROVIDE CONSTRUCTION JOINT AT 30' MAX. O.C.
2. PROVIDE EXPANSION JOINT AT CHANGE FROM RETAINING WALL 1 TO RETAINING WALL 2
3. PROVIDE 2" ϕ PVC DRAINS AT 10' O.C. — MESH INSECT SCREEN TO COVER ON FACE OF WALL
4. PROVIDE 24" X 24" MIRADRRAIN OR EQUAL COMPOSITE DRAINAGE MAT
AT WEEP HOLE AND ANCHORED TO BACK FACE.
5. PROVIDE 24" (TALL) X 12" (DEPTH) PERVIOUS BACKFILL CONTINUOUS BEHIND WALL.
6. PROVIDE 12" X #4 @ 12" O.C. CORNER BARS AT ALL ANGLE POINTS
AND CONSTRUCTION JOINTS.
7. PROVIDE 2-#4 HOOPS AT ALL 12" ϕ OR LARGER PENETRATIONS.

NOTES:
1. SITE BENCHMARK:
T.B.M. IS SET MAG NAIL NORTHWEST OF PROPERTY
ELEV -212.56'

2. FLOODPLAIN NOTE:
THIS TRACT IS LOCATED IN ZONE X AND IS NOT IN THE 100-YEAR FLOODPLAIN ACCORDING TO FEMA F.I.R.M. PANEL NO. 48339C0395G, EFFECTIVE AUGUST 18, 2014.



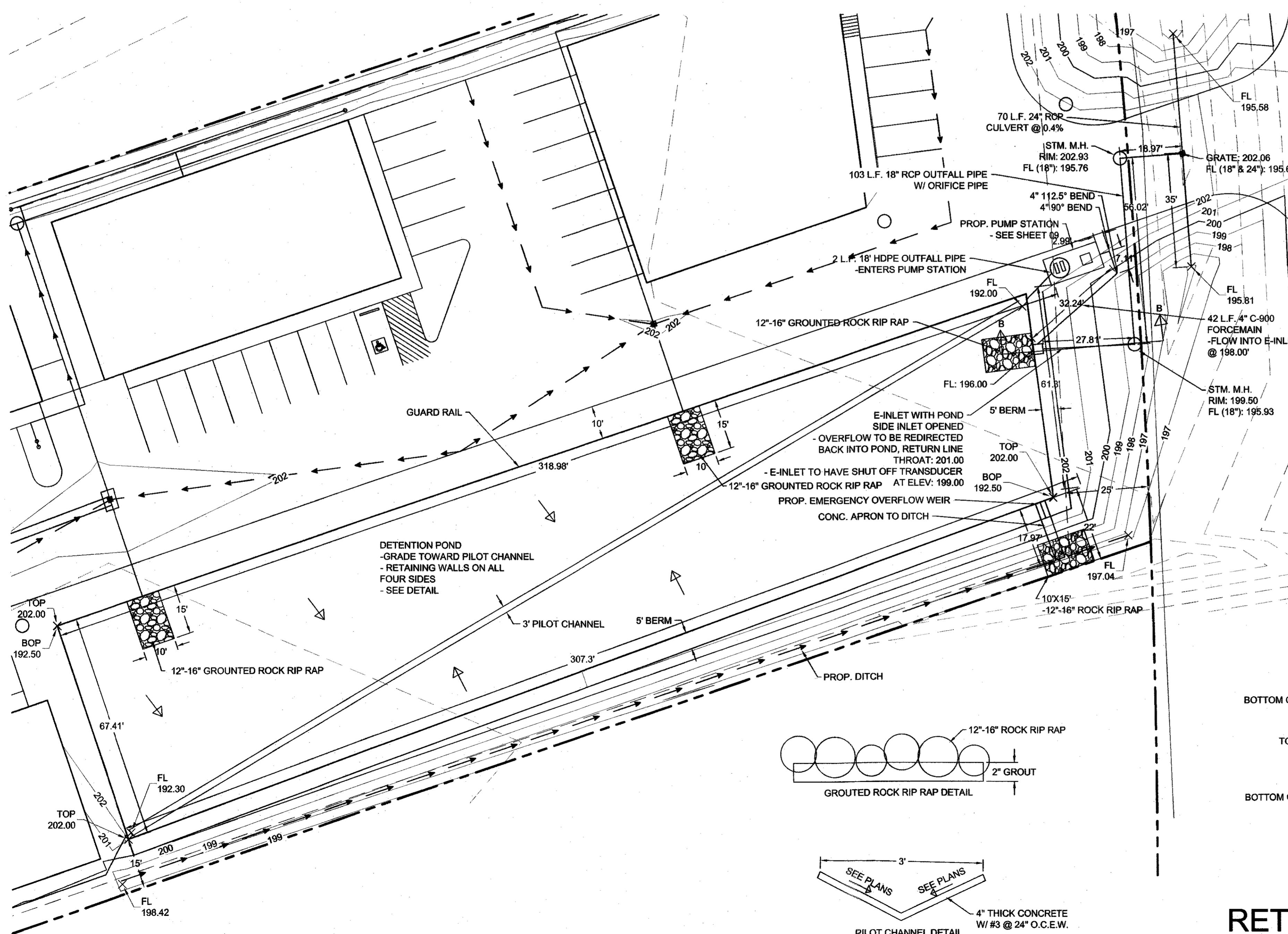
CITY OF CONROE

**SANBERG INVESTMENTS
SITE PLAN
DETENTION LAYOUT**

DETENTION LAYOUT

Montgomery County Conroe, Texas

Design:	CAE:	Job No:	Drawing No:
CDF	CDF	125919-051	07



RETAINING WALL CROSS SECTION 1

Not To Scale

Modified Rational Detention Pond Calculations

County = Montgomery
2-Year, 24-Hour Rainfall Depth (in): 4.632

PRE - Pond 8.83 Ac.

Type of Flow	Distance (ft)	Slope (ft/ft)	Ground Cover	Manning's Coefficient	Hydraulic Radius	Velocity (ft/s)	Travel Time (min)
Sheet	300	0.010	Woods: Light Underbrush	0.4	N/A	55.5	
Shallow	560	0.015	Woodland		0.61	15.2	
Shallow	1050	0.009	Woodland		0.47	36.9	

Land Cover Type	Drainage Areas	C values
Unimproved areas	384619.00	0.3

Tc (min):

2 Year 10 Year 100 Year
107.66 107.66 107.66

Combined C value for Rational Method: 0.30

Intensity (in/hr): 1.521 2.226 3.126

Total Site Area (sf): 384619.00

Discharge (cfs): 4.06 5.95 8.35

POST - Pond 8.83 Ac.

Type of Flow	Distance (ft)	Slope (ft/ft)	Ground Cover	Manning's Coefficient	Hydraulic Radius	Velocity (ft/s)	Travel Time (min)
Sheet	300	0.010	Woods: Light Underbrush	0.4	N/A	55.5	
Shallow	560	0.015	Woodland		0.61	15.2	

Land Cover Type	Drainage Areas	C values
Commercial	275444.00	0.8
Unimproved areas	109175	0.3

Tc (min):

2 Year 10 Year 100 Year
70.77 70.77 70.77

Combined C value for Rational Method: 0.66

Intensity (in/hr): 2.089 2.980 4.111

Total Site Area (sf): 384619.00

Discharge (cfs): 12.12 17.46 24.09

Release Rate = 4.06 cfs

2 Year

Release Rate = 4.06 cfs

Required

Duration of Storm

Intensity

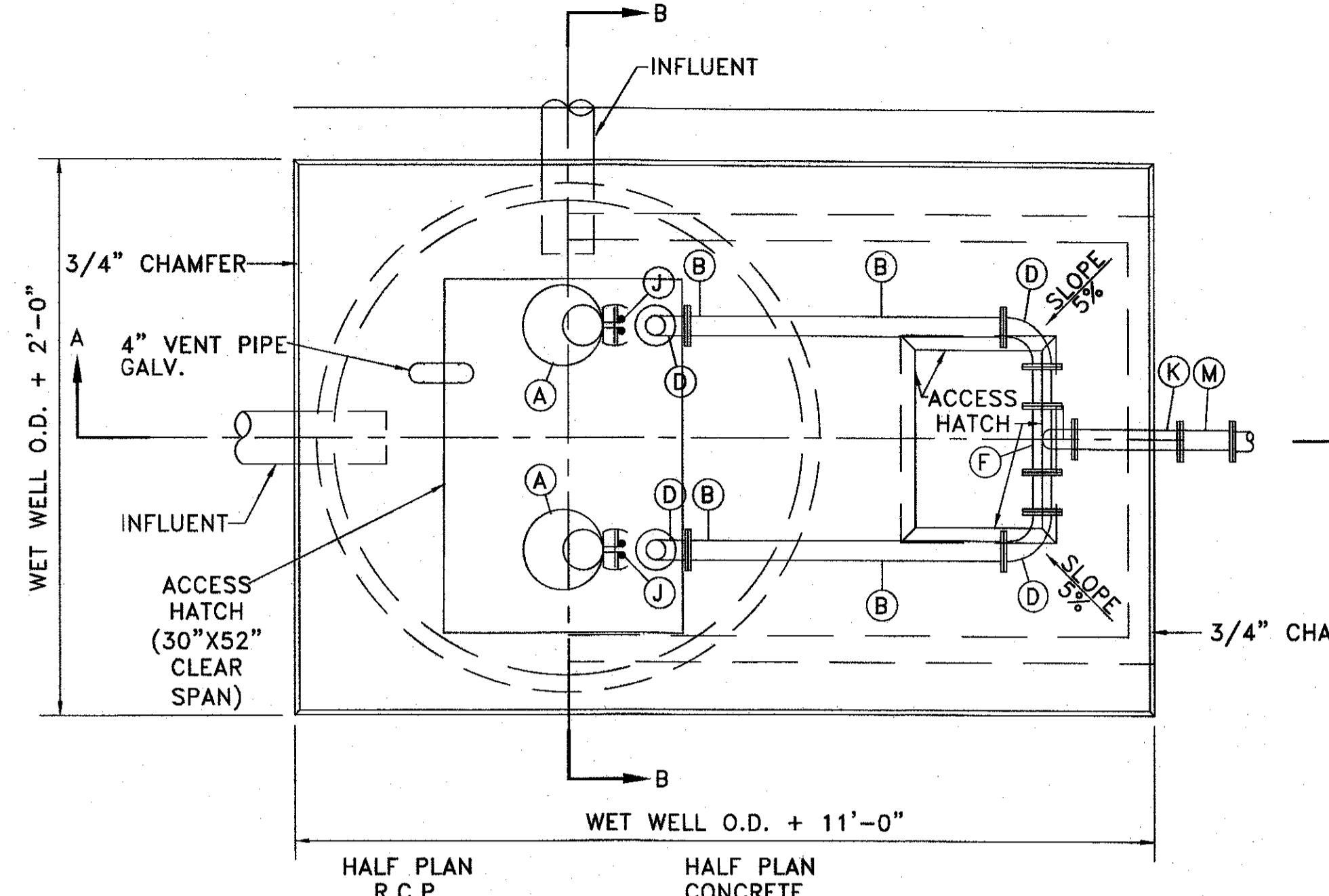
Peak Flow Q

Volume of Runoff

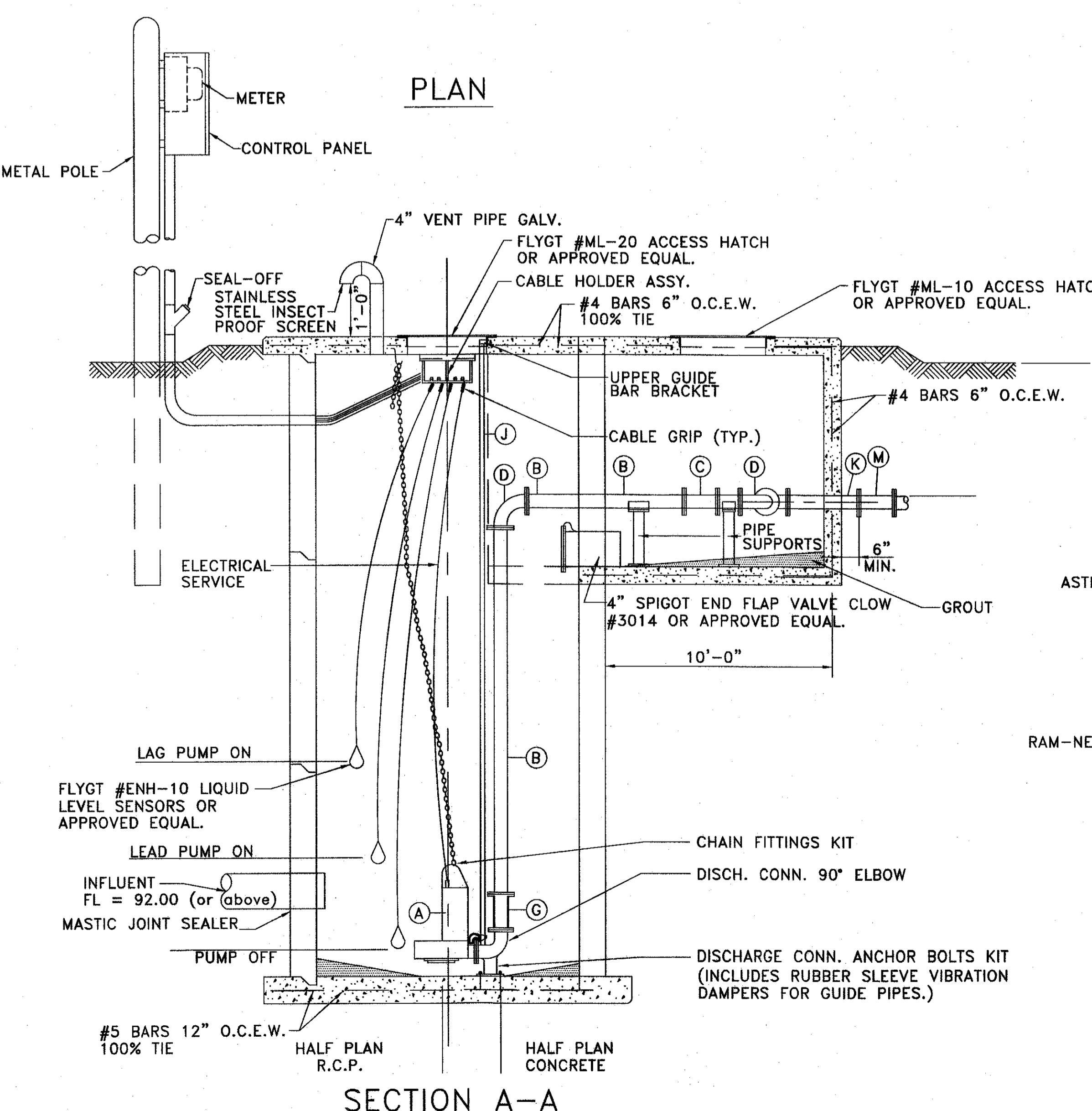
Release Flow

Storage Volume

Volume (cuft)



NOTE: A TRANSDUCER IS TO BE PLACED IN THE E-INLET ON THE BERM
WITH A PUMP OFF ELEVATION OF 199.00'



SECTION A-A

SECTION B-B

PUMP STATION PIPE, VALVE, AND FITTING SCHEDULE		
ITEM NO.	DESCRIPTION	QTY.
A	SUBMERSIBLE PUMP	2
B	4" Class 150 D.I. (LENGTH VARIES)	VARIES

D	4" FLANGED 90° ELBOW	4
---	----------------------	---

F	4" FLANGED D.I. TEE	1
G	2" to 4" FLANGED REDUCER	2
H	4" FLANGED 45° ELBOW	2
J	PUMP GUIDE RAILS (STAINLESS STEEL)	2-PAIR
K	4" Class 150 D.I. (LENGTH VARIES)	VARIES

M	4" D.I. to 4" PVC TRANSITION SLEEVE	1
---	-------------------------------------	---

NOTES:
1. **SITE BENCHMARK:**
T.B.M. IS SET MAG NAIL NORTHWEST OF PROPERTY
ELEV-212.56'

2. FLOODPLAIN NOTE:
THIS TRACT IS LOCATED IN ZONE X AND IS NOT IN THE 100-YEAR FLOODPLAIN ACCORDING TO FEMA F.I.R.M. PANEL NO. 48339C0395Q, EFFECTIVE AUGUST 18, 2014.

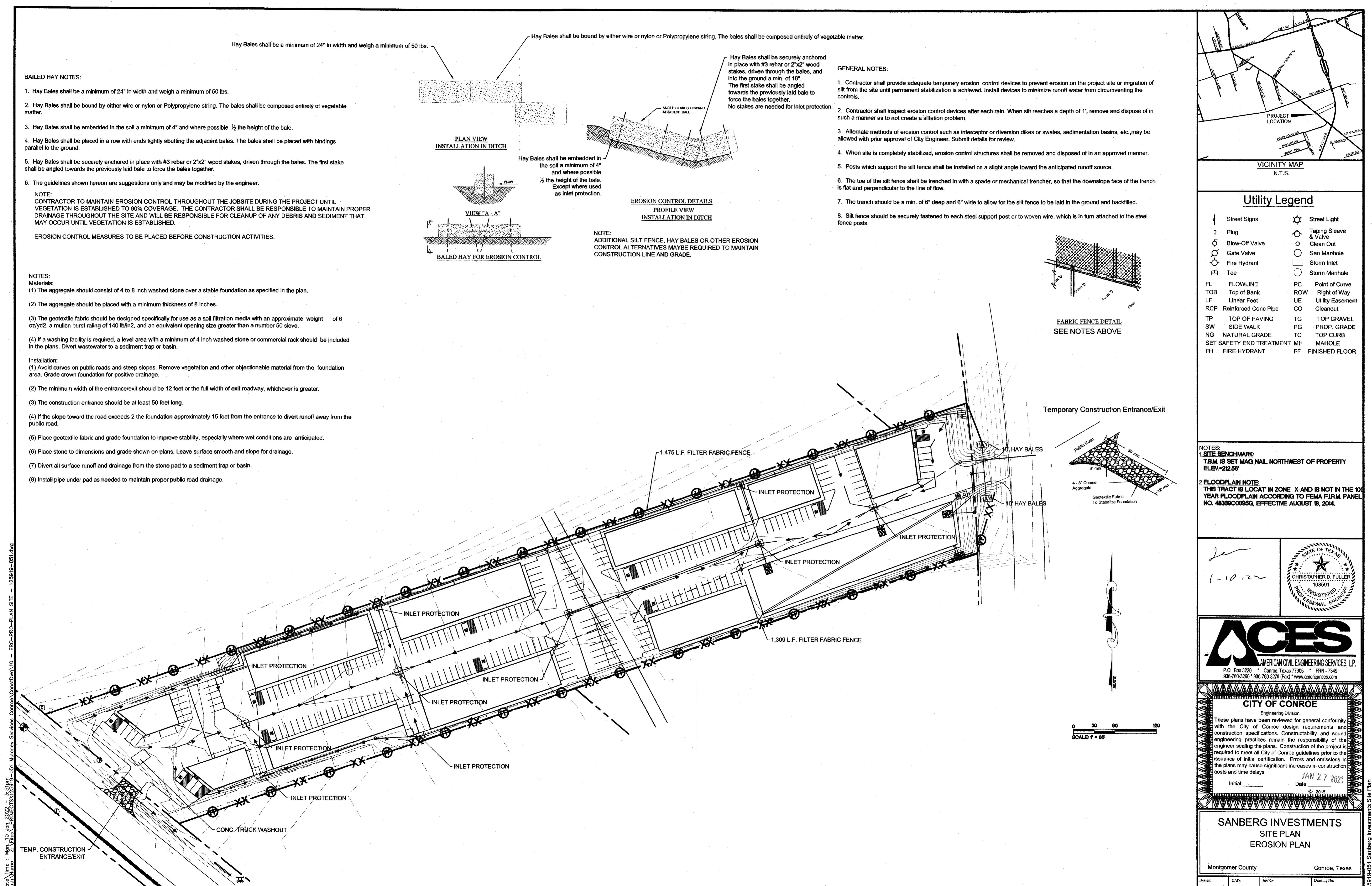
This technical diagram illustrates a cross-section of a concrete wet well structure. The structure is composed of two main parts: a 'HALF PLAN R.C.P.' (Reinforced Concrete Plan) on the left and a 'HALF PLAN CONCRETE' on the right. The 'HALF PLAN R.C.P.' section is labeled 'C-76 CLASS III R.C.P.' and features vertical columns labeled 'A', 'B', 'D', and 'J'. The 'HALF PLAN CONCRETE' section is labeled 'INVERT SHAPING (GROUT)'. The diagram shows various dimensions and features: a top access hatch at 'Elev. = 202.00' with a '3" Min.' clearance; a '7" THICK CONCRETE WET WELL' wall; a 'd' DEPTH dimension; and a bottom elevation of 'FL = 192.00'. Other labels include 'WATER PROOF JOINTS', 'INFLUENT', 'MASTIC JOINT SEALER BOTTOM ELEV.', and '80" 4" 'w' DIAMETER'. The diagram also includes a '6"' dimension and '3" Min.' clearances at the top and bottom of the concrete sections.

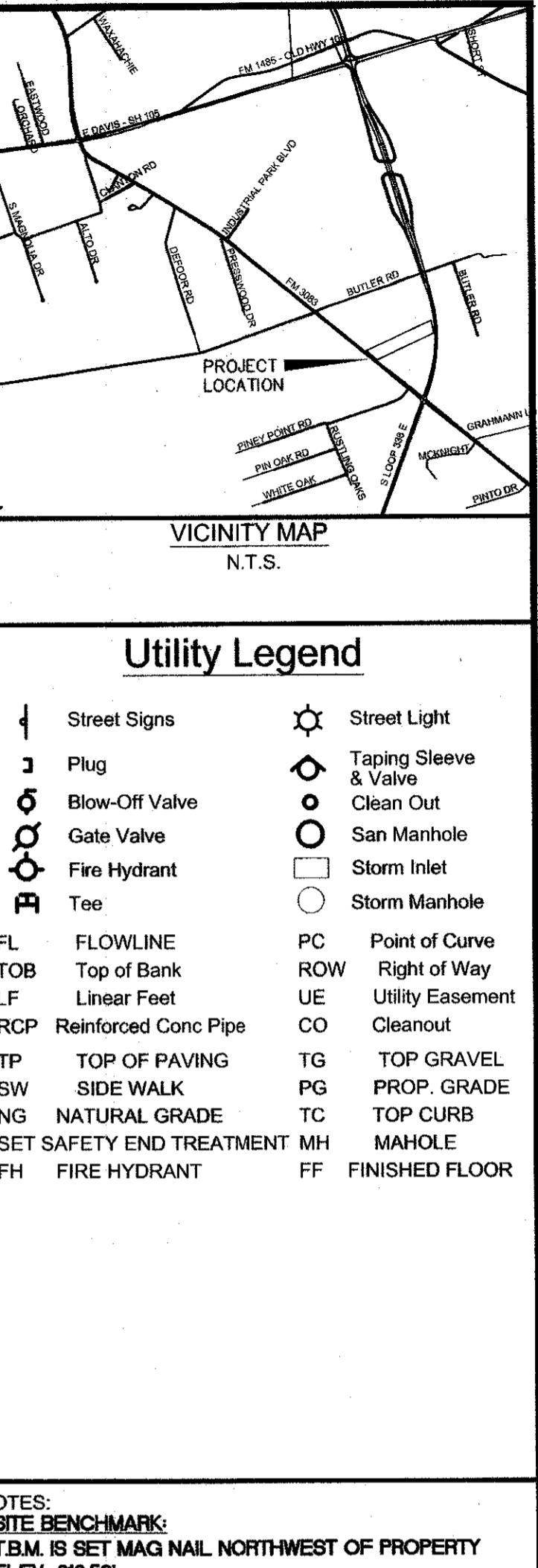
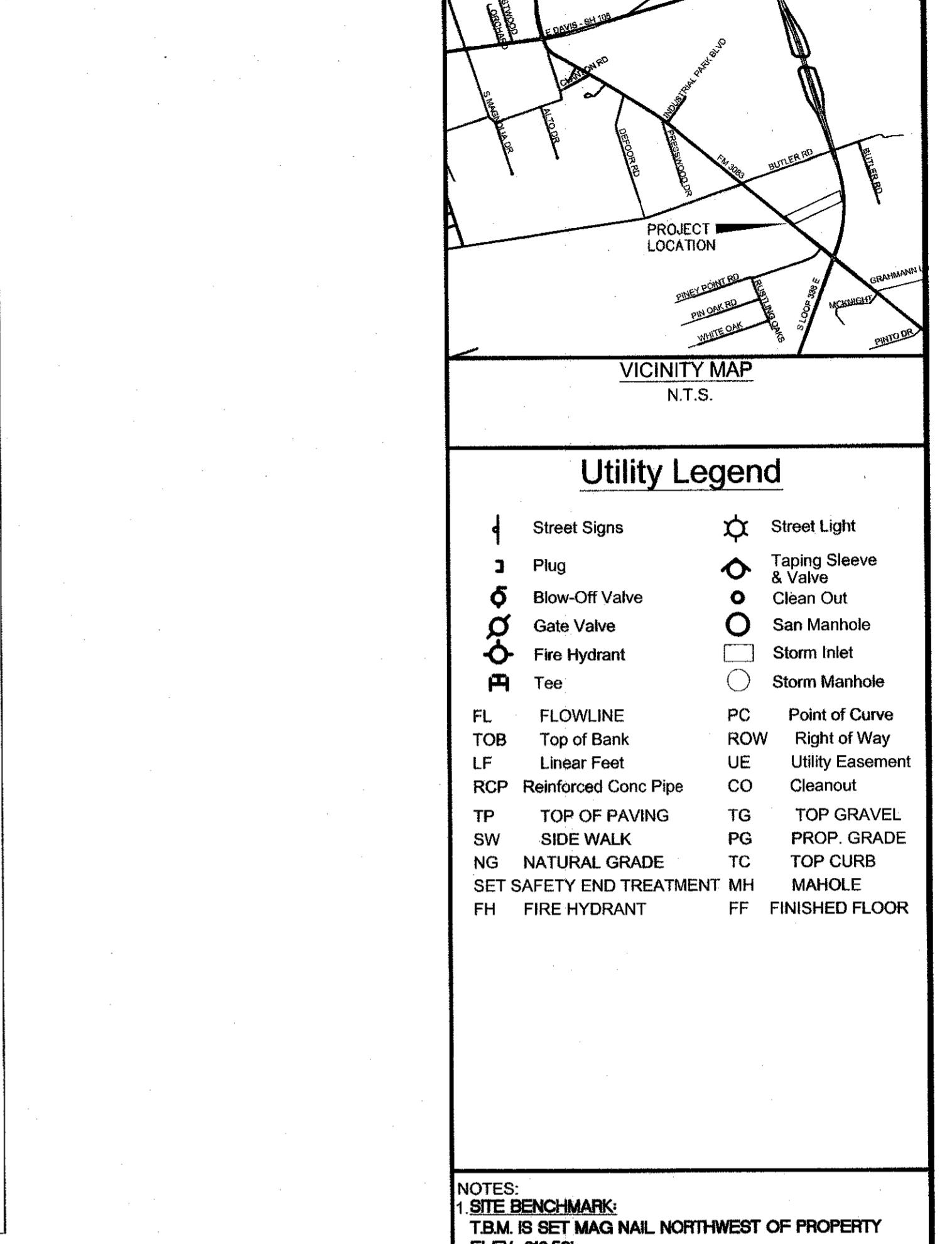
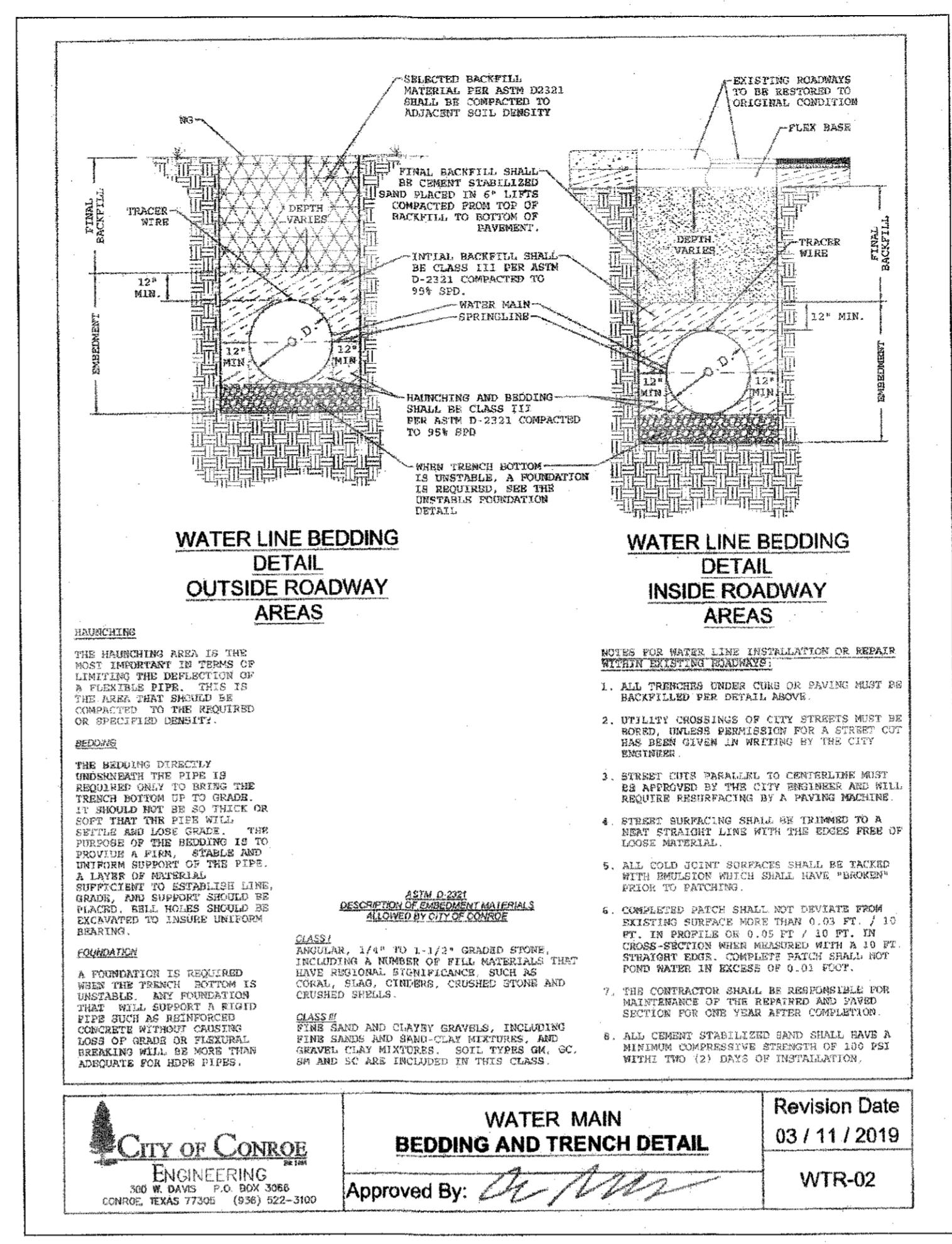
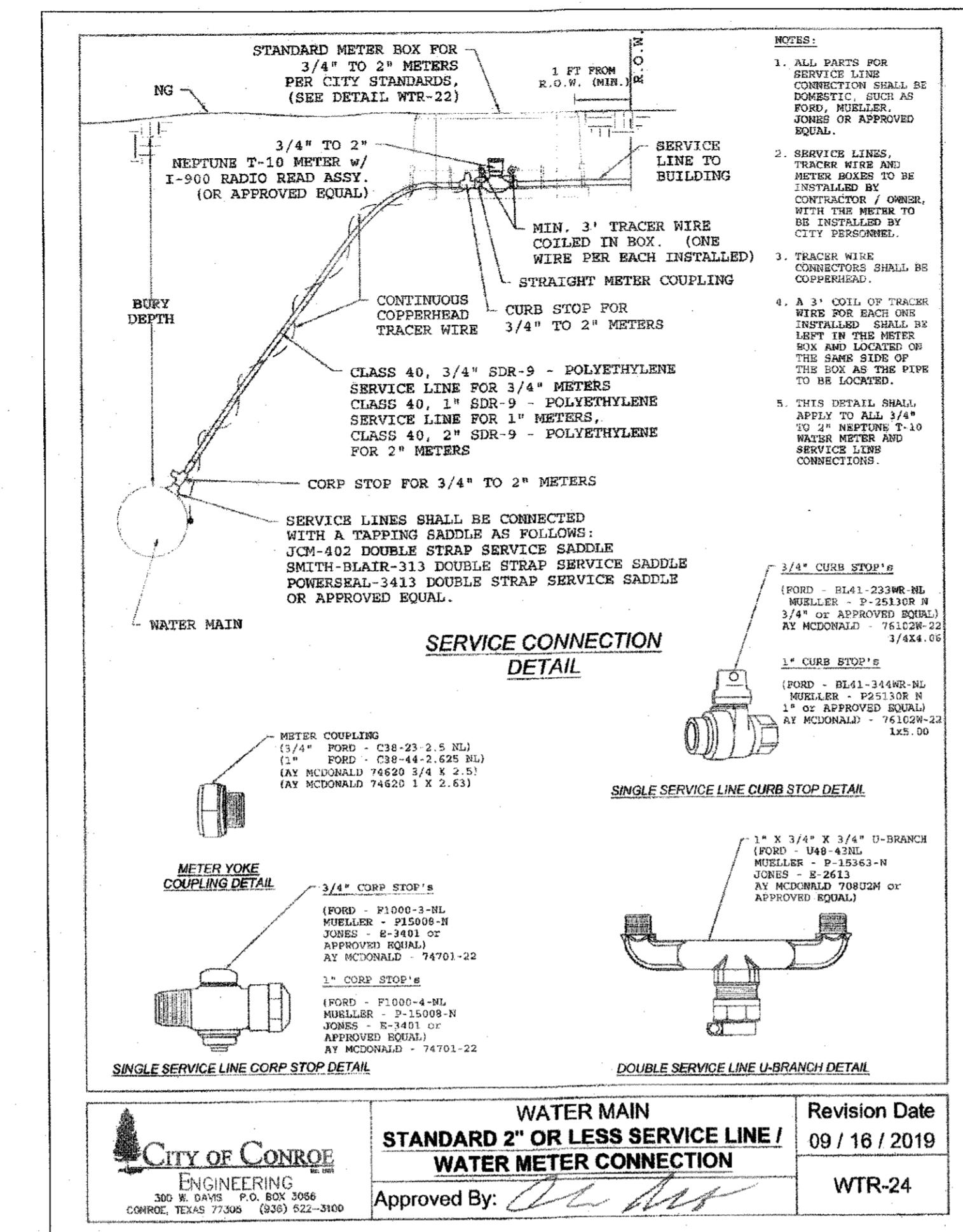
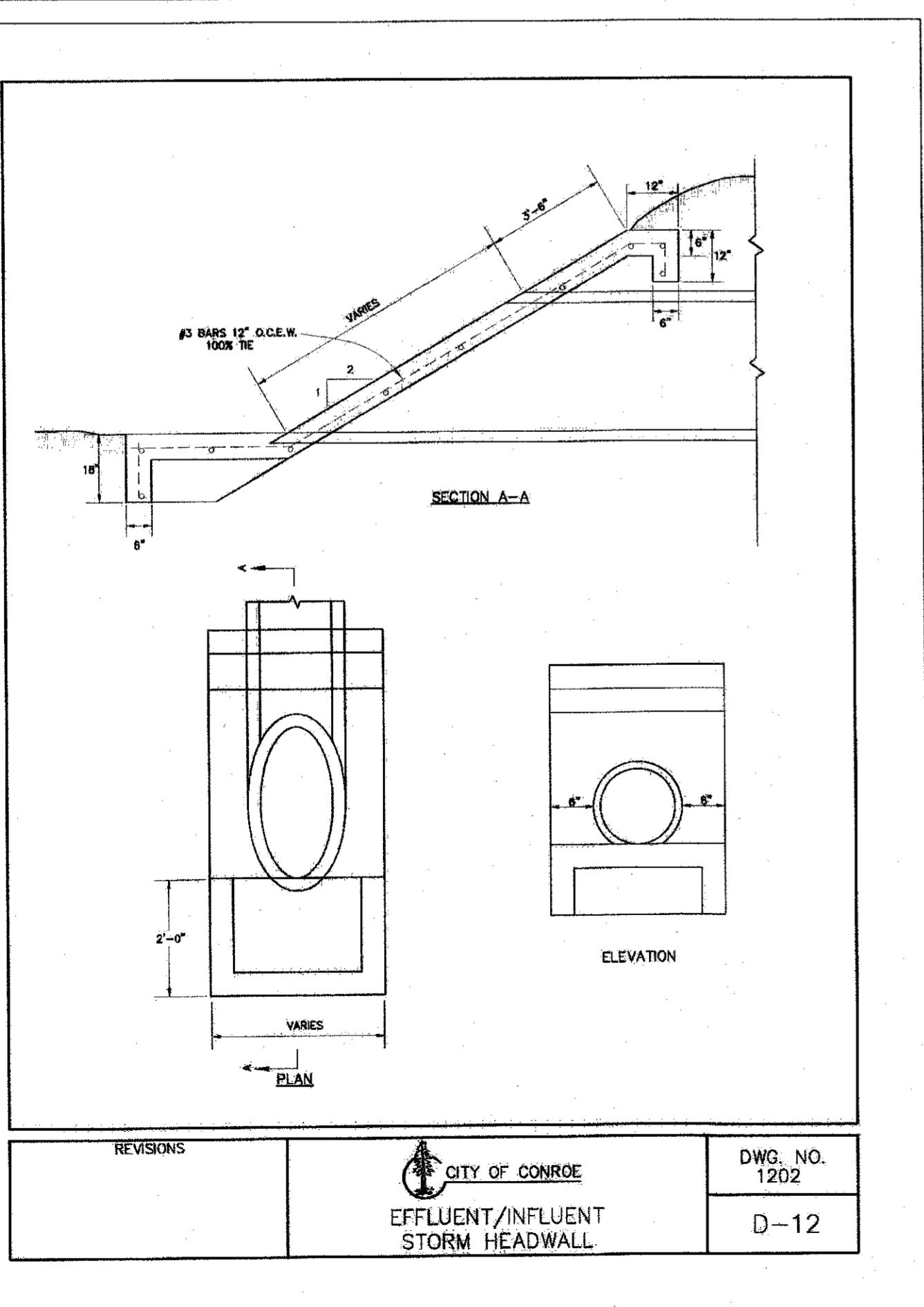
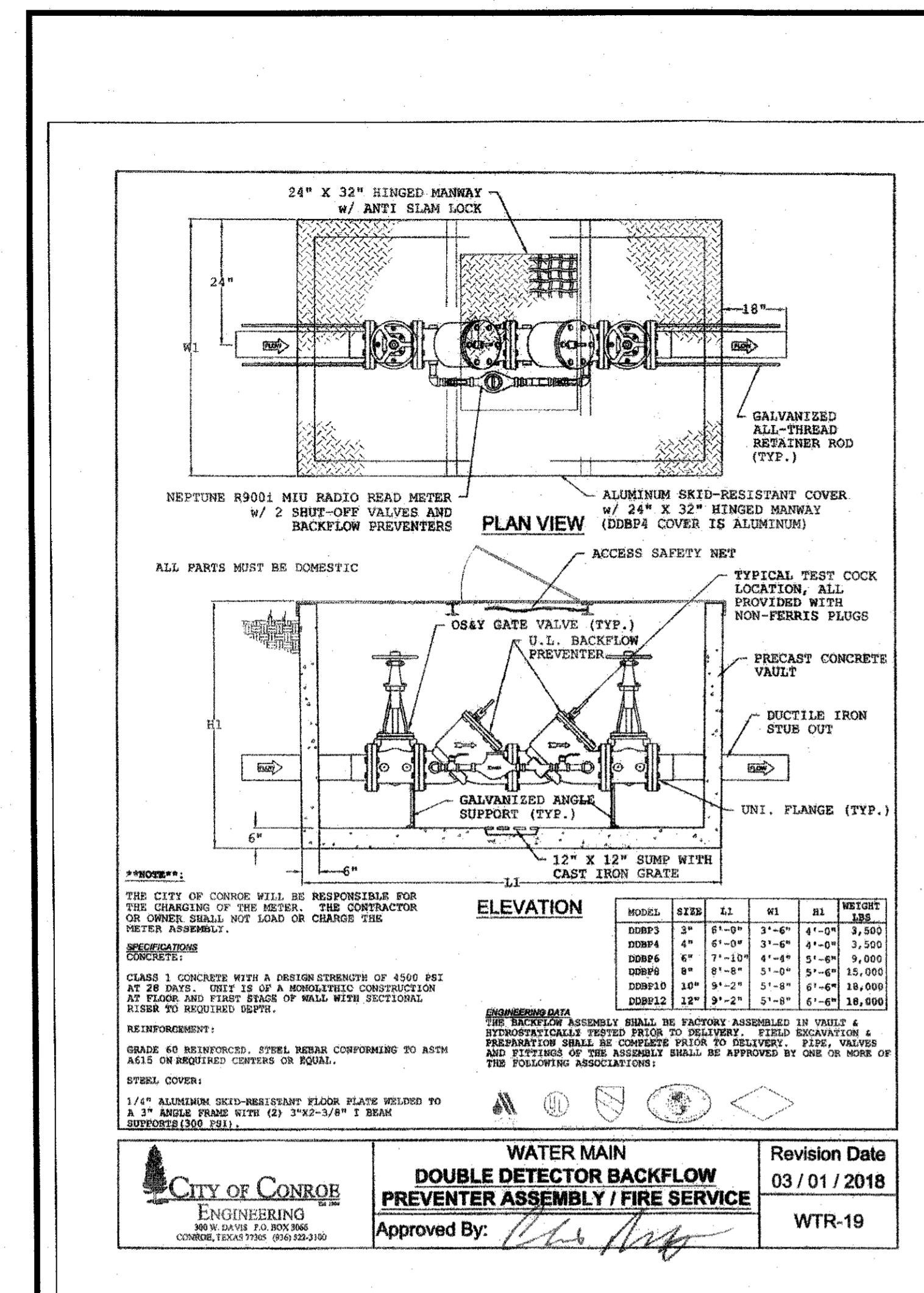
NOTE:

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CITY OF CONROE

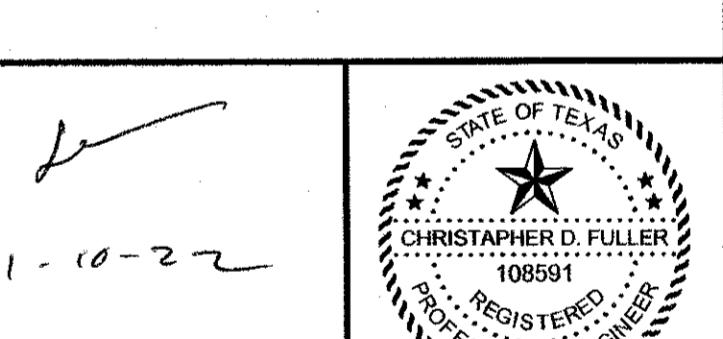
SANBERG INVESTMENTS
STORM PUMP STATION
DETAIL





NOTES:
1 SITE BENCHMARK:
TBM IS SET MAG NAIL NORTHWEST OF PROPERTY
ELEV-212.56'

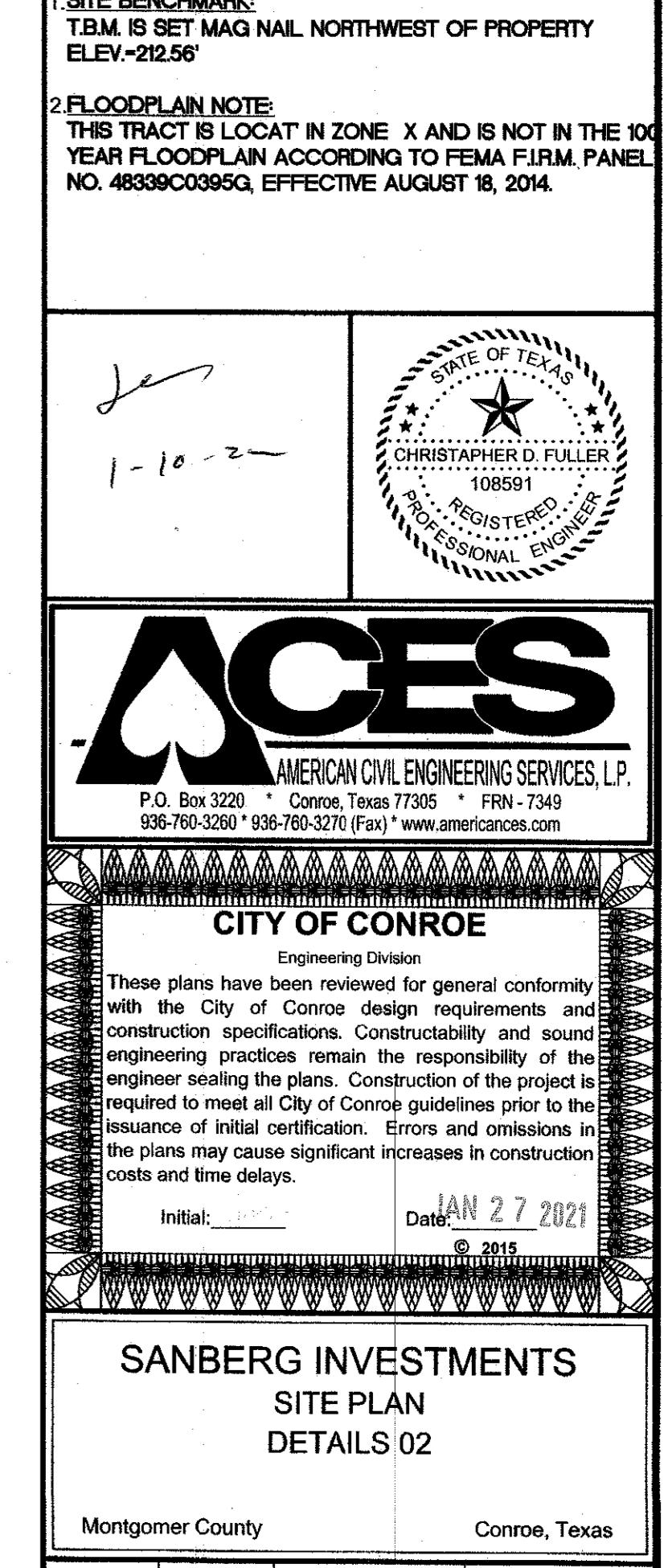
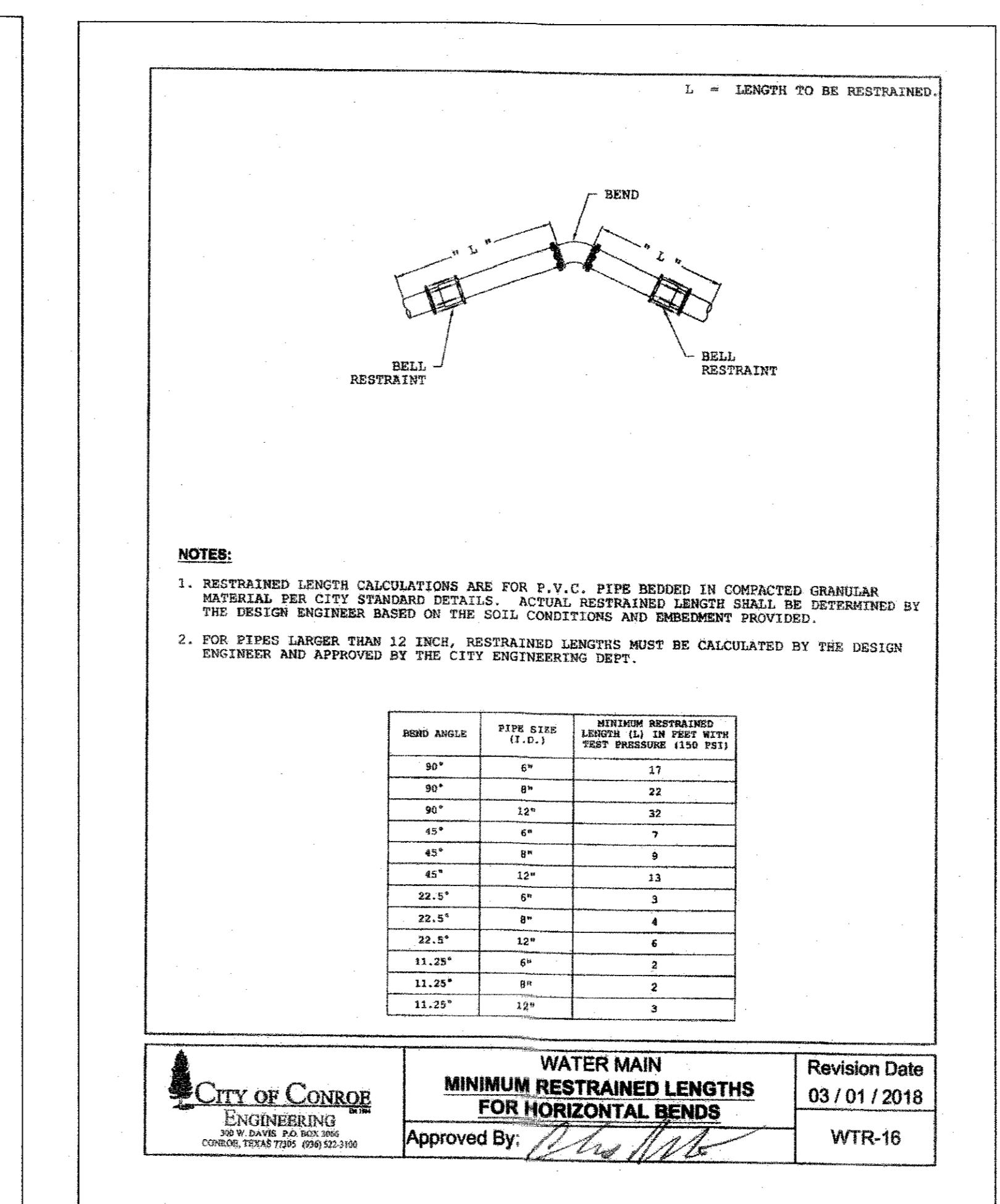
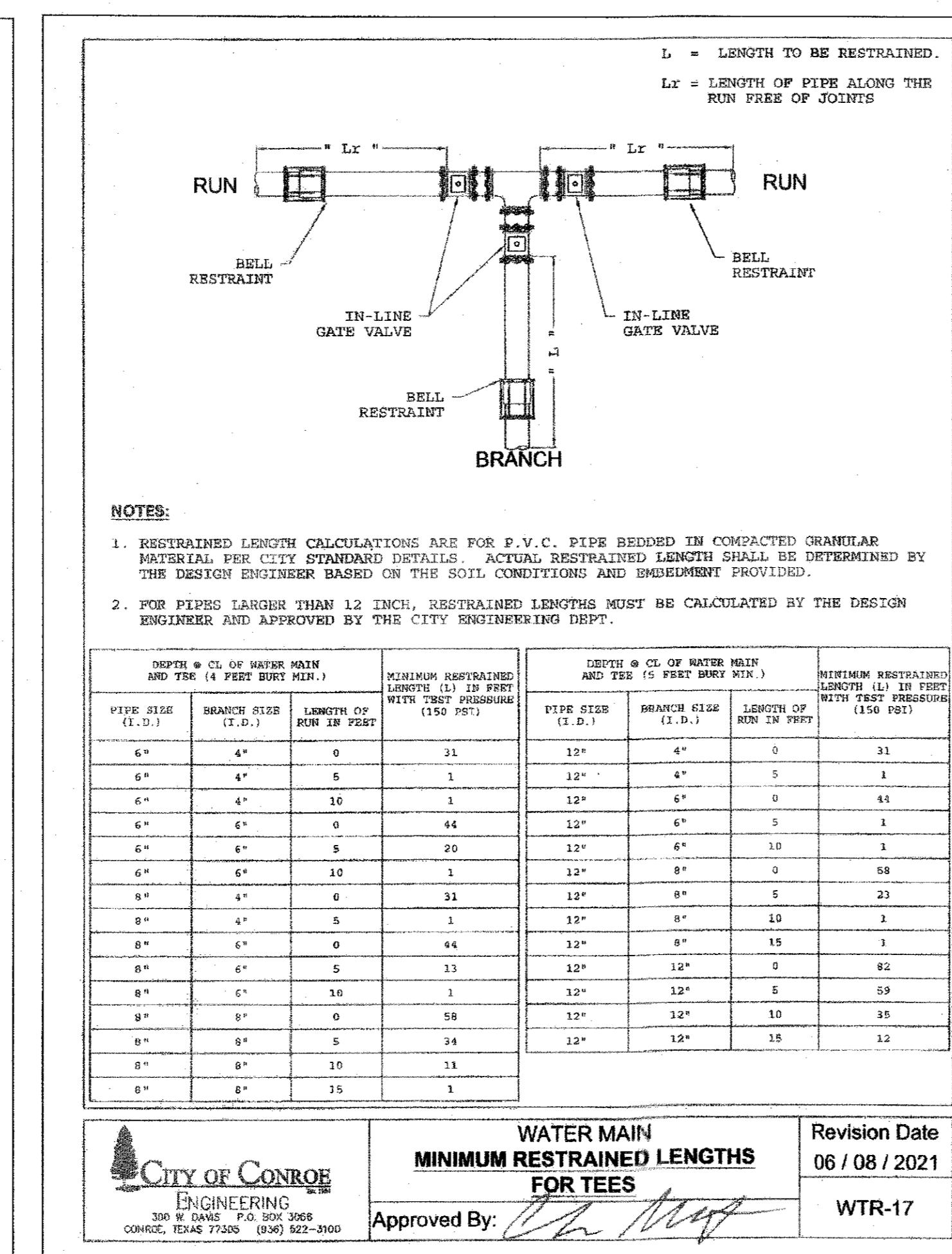
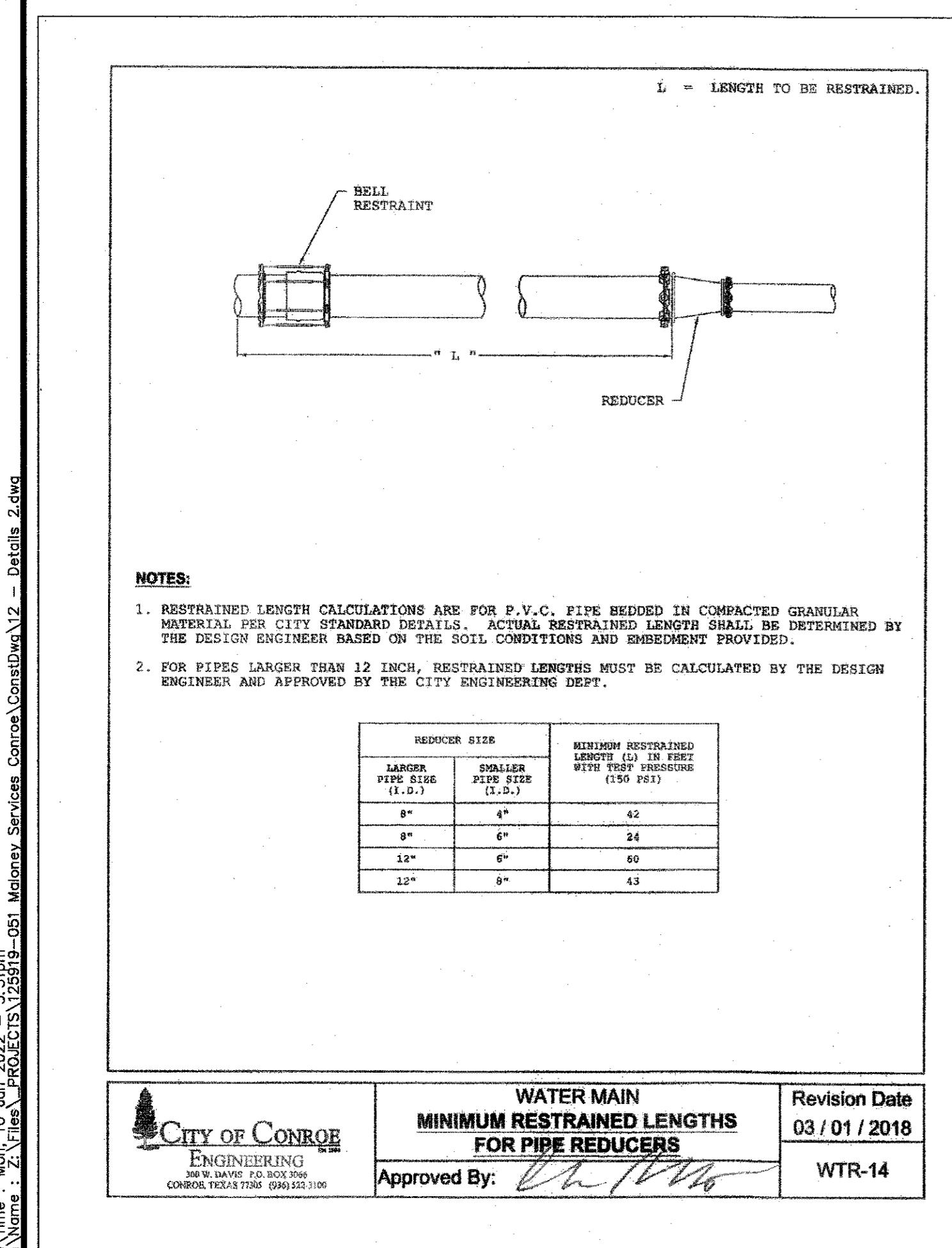
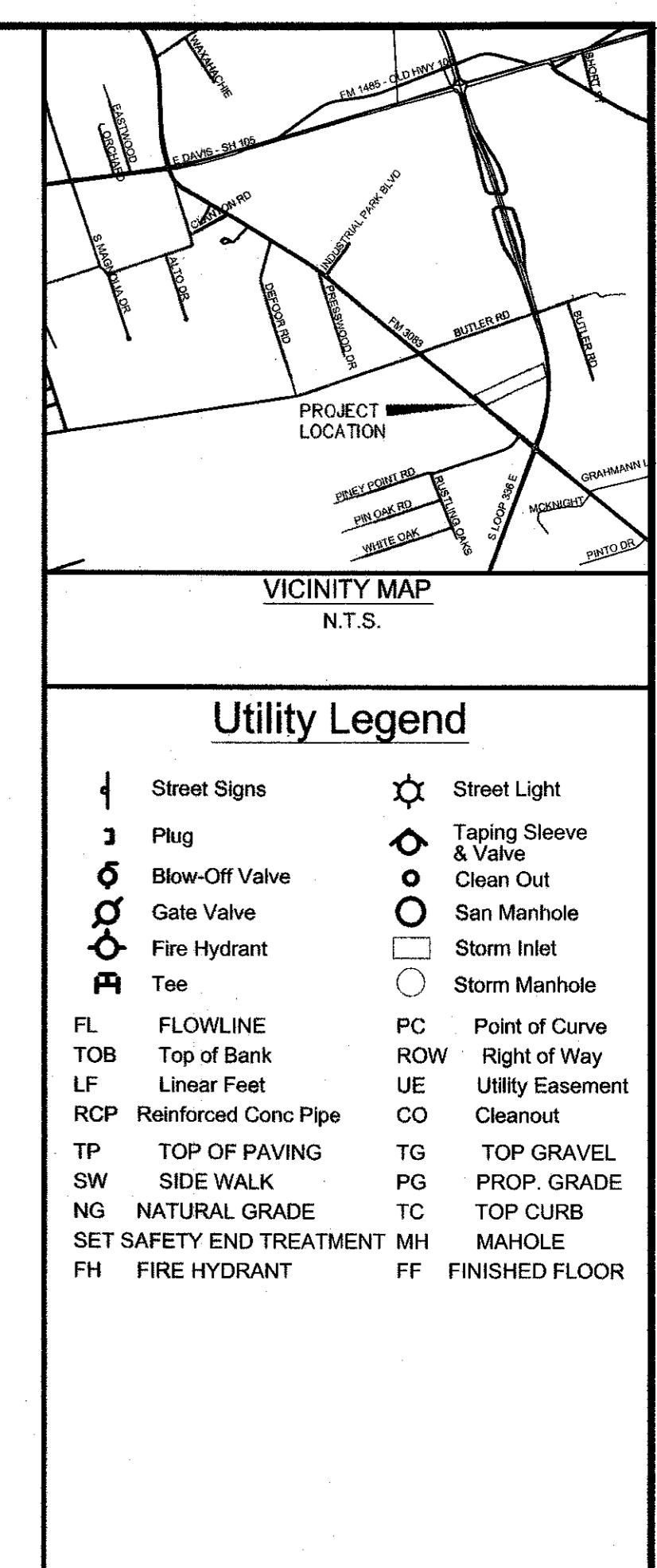
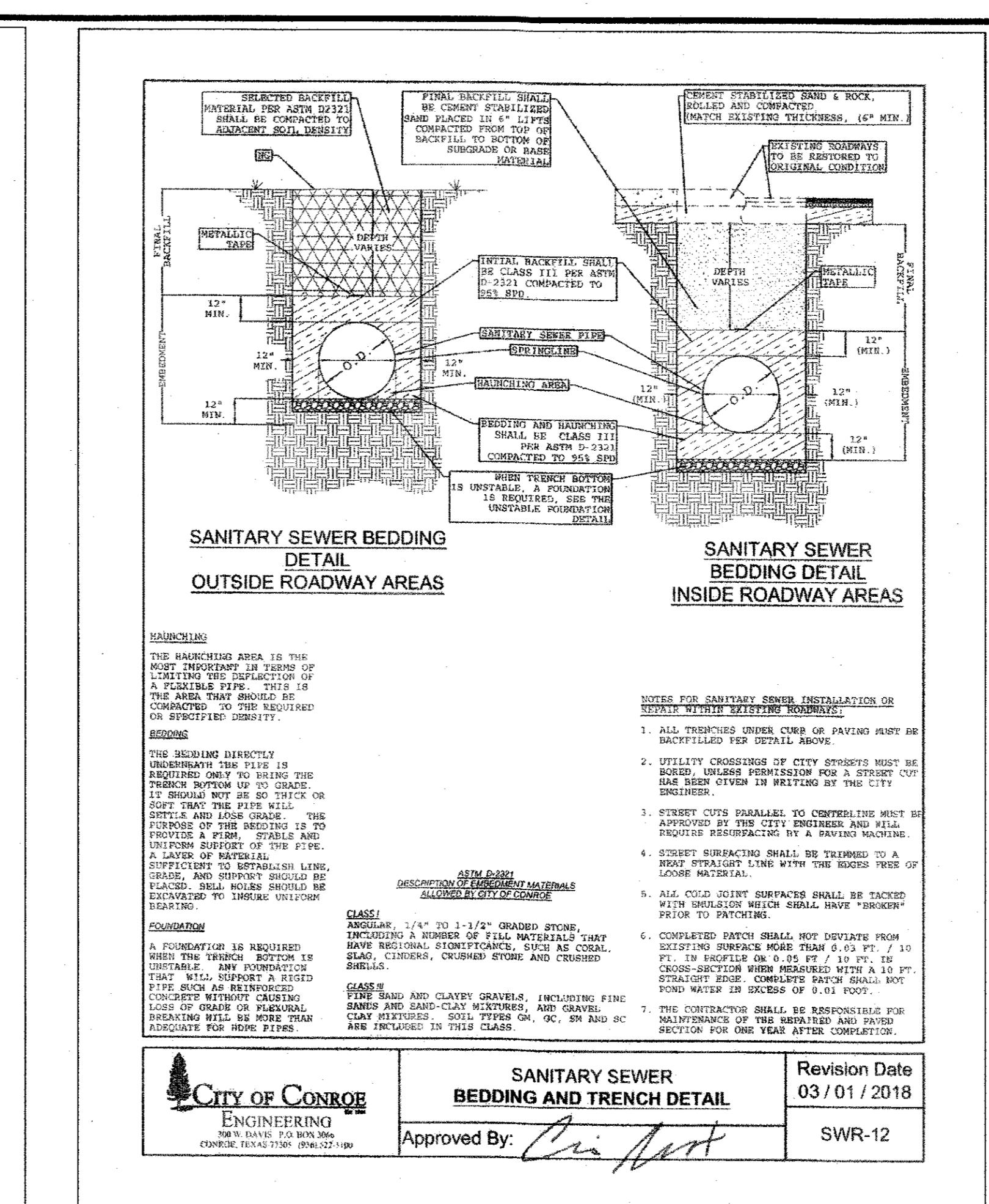
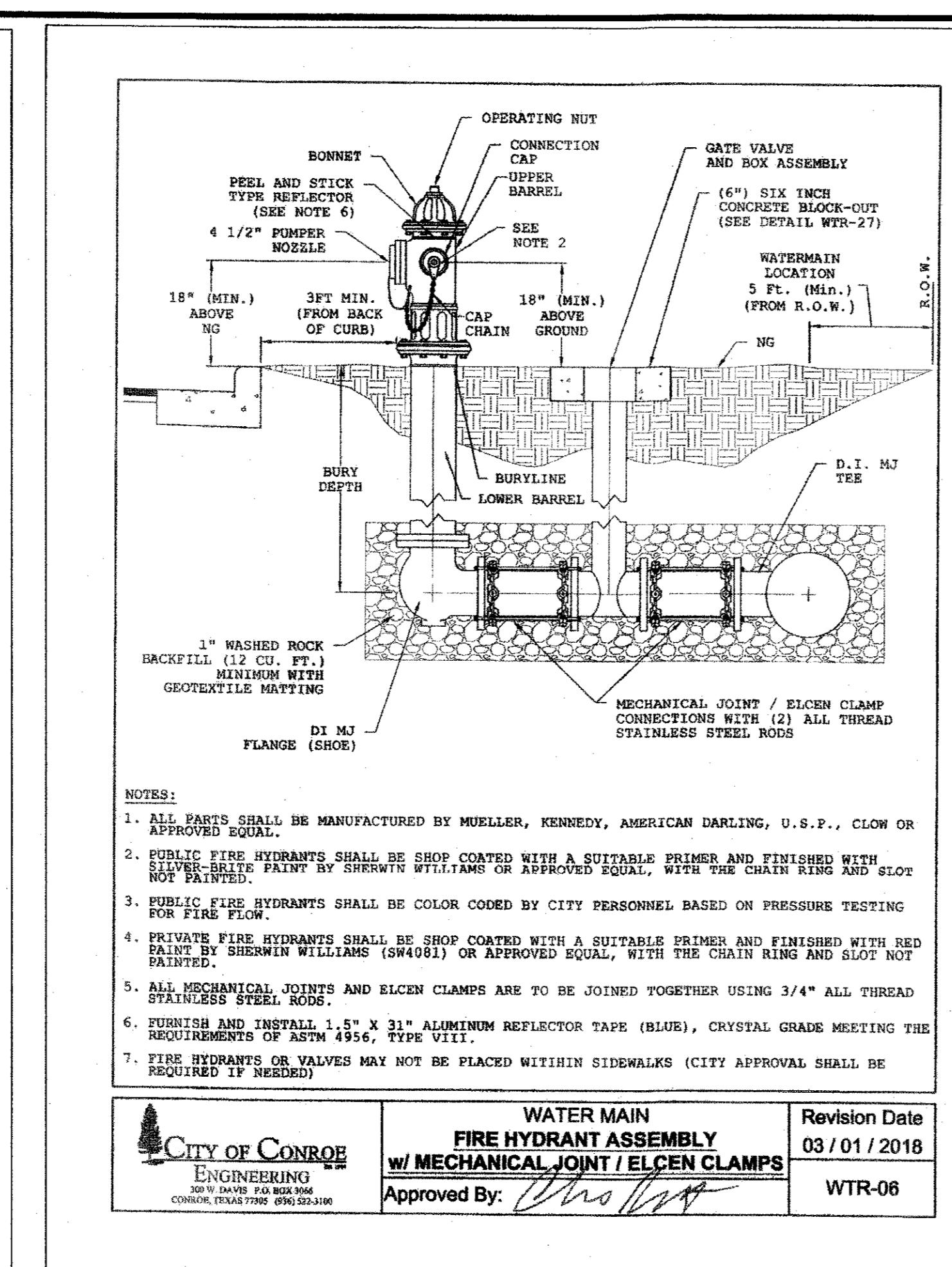
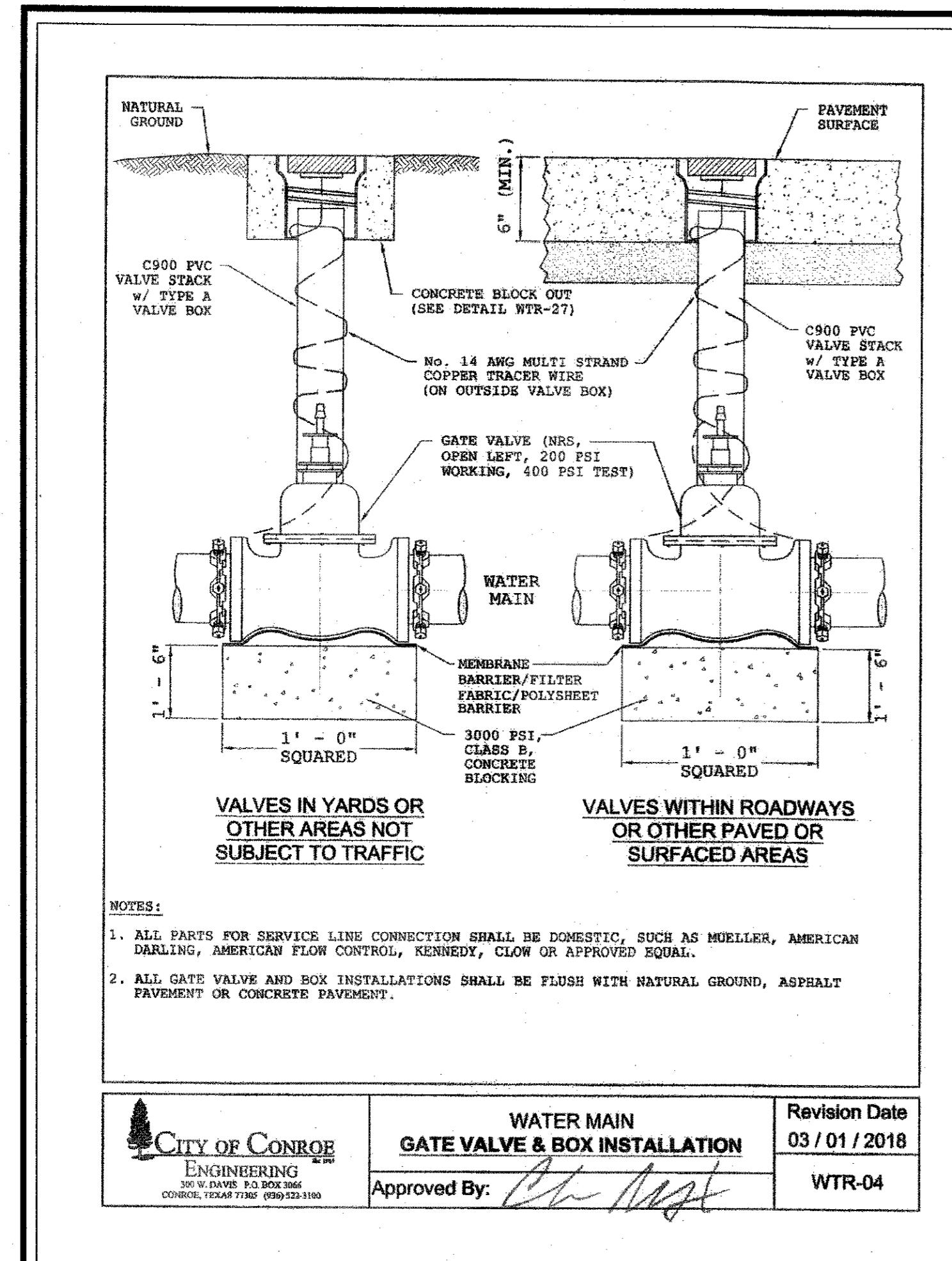
2 FLOODPLAIN NOTE:
THIS TRACT IS LOCATED IN ZONE X AND IS NOT IN THE 100
YEAR FLOODPLAIN ACCORDING TO FEMA FIRM. PANEL
NO. 46339C035Q, EFFECTIVE AUGUST 18, 2014.



CITY OF CONROE
Engineering Division
These plans have been reviewed for general conformity
with the City of Conroe design requirements and
construction specifications. Constructability and sound
engineering practices remain the responsibility of the
engineer sealing the plans. Construction of the project is
required to meet all City of Conroe guidelines prior to the
issuance of initial certification. Errors and omissions in
the plans may cause significant increases in construction
costs and time delays.

JAN 27 2021
Initial: _____
Date: _____
© 2015

SANBERG INVESTMENTS
SITE PLAN
DETAILS 01
Montgomery County Conroe, Texas
Design CDF CAD Job No: 125519-051 Drawing No: 11



BRONZE BY-PASS
w/ NEPTUNE
R 9001 MIU
RADIO READ
METER

DI FLG ELL

DI MJ x DI FLG ADAPTER

DI FLG TEE

NRS DI FLG GATE VALVE

NRS DI FLG GATE VALVE

BY-PASS

GATE VALVE

NAMEPLATE INDICATING:
MFG: PARKUSA
(888)-611-PARK
MODEL: DMCCOC
DATE MANUFACTURED

PLAN VIEW

NEPTUNE COMBINATION
WATER METER WITH R9001
REGISTER RADIO READ

CONCRETE LID

ALL PARTS MUST BE
DOMESTIC

GALVANIZED
ANGLE
SUPPORT (TYP.)

DUCTILE IRON
STUB-OUT
(TYP.)

12" X 12" SUMP
WITH CAST IRON GRATE

GRAVEL BED

NOTE: ASSEMBLY HYDROSTATICALLY
TESTED AT 125-150 PSI BEFORE
SHIPMENT FOR LEAKS

NOTE:
THE CITY OF CONROE WILL BE RESPONSIBLE FOR
THE CHARGING OF THE METER. THE CONTRACTOR
OR OWNER SHALL NOT LOAD OR CHARGE THE
METER ASSEMBLY.

SPECIFICATIONS
CONCRETE:
CLASS 1 CONCRETE WITH A DESIGN STRENGTH OF 4500 PSI
AT 28 DAYS. UNIT IS OF A MONOLYTIC CONSTRUCTION AT
FLOOR AND FIRST BURGE OF WALL WITH SECTIONAL RISER
TO REQUIRED DEPTH.

REINFORCEMENT:
GRADE 60 REINFORCED, STEEL REBAR CONFORMING TO ASTM
A615 OR REQUIRED CENTERS OR EQUAL.

ALUM COVER:
300 PSF RATED, 1/4" ALUMINUM SKID-RESISTANT FLOOR
PLATE, STAINLESS STEEL TAMPERPROOF BOLTING & HINGES
AND SLAMLOCK.

ENGINEERING DATA
THE METER ASSEMBLY SHALL BE FACTORY ASSEMBLED IN VACUUM &
HYDROSTATICALLY TESTED PRIOR TO DELIVERY. FIELD EXCAVATION &
PREPARATION SHALL BE COMPLETE PRIOR TO DELIVERY. PIPE, VALVES
AND FITTINGS OF THE ASSEMBLY SHALL BE APPROVED BY ONE OR MORE OF
THE FOLLOWING ASSOCIATIONS:

AWWA

UL

UPC

FM

WATER MAIN
3" TO 8" DOMESTIC COMPOUND
WATER METER ASSEMBLY

Approved By: *Dr. M. A. M.*

Revision Date
09 / 18 / 2019

WTR-20

MODEL	SIZE	BY-PASS SIZE	L1	W1	H1	WEIGHT LBS
DMCCOC-3	3"	2"	8'-0"	5'-0"	4'-6"	9,900
DMCCOC-4	4"	2"	8'-0"	5'-0"	4'-5"	12,000
DMCCOC-5	5"	2"	8'-0"	5'-0"	4'-5"	12,000
DMCCOC-8	8"	3"	11'-0"	6'-0"	4'-4"	2,300

MANHOLE DEPTH NOTE:

NO MANHOLE SHALL BE ALLOWED DEEPER THAN 20 FEET WITHOUT C
ENGINEERING DEPARTMENTS APPROVAL

NOTES:

1. CONCRETE MANHOLES SHALL CONFORM TO ASTM C478
2. PROVIDE PRECAST CONCRETE ADJUSTMENT RINGS WITH TOTAL ADJUSTMENT HEIGHT NOT TO EXCEED 9 INCHES AND COATED WITH A SPOT APPLIED HIGH BUILD EPOXY (PER NOTE 3) USE NO MORE THAN 3 RINGS FOR GRADIENT ADJUSTMENT.
3. ALL NEW PRECAST CONCRETE SANITARY SEWER MANHOLES SHALL BE COATED WITH 100% SOLID HIGH BUILD EPOXY, OR POLYUREA SPRAY APPLIED TO A MIN. OF 100 MILS DFT.
4. PROVIDE BOOT STYLE A C923 PIPE-TO-MANHOLE CONNECTOR FOR WATER AND GAS TIGHT CONNECTIONS INTERNAL GROUT AROUND BOOT MUST BE EPOXY COATED.
5. 4 FOOT DIAMETER MANHOLES MAY BE USED FOR SANITARY SEWER LINES THAT ARE LESS THAN 10 FEET IN DEPTH ONLY.
6. ALL MANHOLES SHALL BE THE SAME SIZE DIAMETER FOR THE MANHOLE INVERT TO EITHER THE RIM OR THE CONE WITH THE RING AND COVER IN IT.

SECTION A-A

NOTES:

1. UNDERGROUND CROSSINGS REQUIRE A MIN. VERTICAL CLEARANCE OF 5' BELOW PAVEMENT SUBGRADE FOR CITY STREETS, HIGHWAYS AND SUBAQUEOUS CROSSINGS AND WHEN BELOW UNPAVED GROUND INCLUDING DITCH GRADE FOLLOW TXDOT REQUIREMENTS.
2. SPACING TO BE PER MANUFACTURER RECOMMENDATION.
3. ALL CASINGS SHALL BE ROLLED STEEL WITH A 0.375 WALL THICKNESS, NO SPIRAL STEEL WILL BE ACCEPTED.

SPACERS

1. SPACERS SHALL BE BOLT-ON STYLE WITH A TWO PIECE SOLID SHELL MADE FROM T-304 STAINLESS STEEL, MINIMUM 14 GAUGE THICKNESS. THE SHELL SHALL BE LINED WITH A RIBBED PVC SHEET OF A 0.030" THICKNESS THAT OVERLAPS THE EDGES. RUNNERS MADE FROM UHMW POLYMER SHALL BE ATTACHED TO RISERS AT APPROPRIATE POSITIONS TO PROPERLY LOCATE THE CARRIER WITHIN THE CASING AND TO EASE INSTALLATION. RISERS SHALL BE MADE FROM T-304 STAINLESS STEEL OF A MINIMUM 14 GAUGE THICKNESS AND SHALL BE ATTACHED TO THE SHELL BY MIG WELDING. ALL WELDS SHALL BE FULLY PASSIVATED. ALL FASTENERS SHALL BE MADE FROM T-304 STAINLESS STEEL.

CARRIER PIPE

1. CARRIER PIPE SHALL BE RESTRAINED JOINT PIPE AND CENTERED WITHIN CASING BY USE OF STAINLESS STEEL CASING SPACERS.

CASING END SEAL

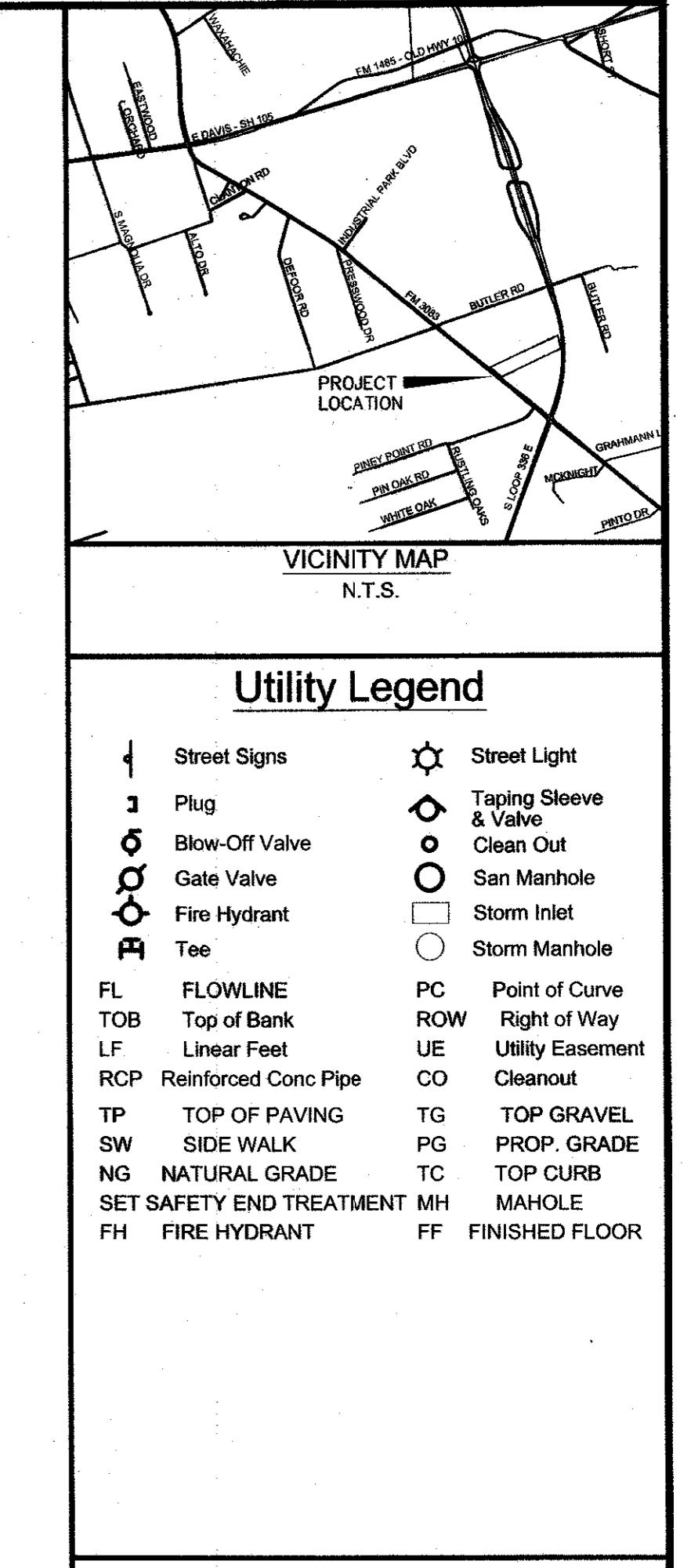
STANDARD NO. RUNNERS REQUIRED FOR CARRIER PIPES

SIZE	NEEDED
4" < 14"	4 REQUIRED
14" < 36"	6 REQUIRED
36" < 48"	7 REQUIRED

CARRIER SIZE	MIN. ENCASEMENT STEEL PIPE SIZE
4"	10"
6"	12"
8"	16"
10"	18"
12"	20"
14"	24"
16"	26"
18"	30"
20"	36"
24"	42"

PLACEMENT OF SPACERS ON CARRIER PIPE

1. GENERAL - ONE SPACER SHALL BE PLACED NOT MORE THAN TWO FEET FROM EACH END OF CASING. SUBSEQUENT SPACERS SHALL BE PLACED AT 6' TO 10' INTERVALS WITHIN THE CASING, OR IN ACCORDANCE WITH PIPE MANUFACTURER'S RECOMMENDATIONS.
2. PVC CARRIER - ONE SPACER SHALL BE PLACED ON THE SPIGOT END OF EACH SEGMENT AT THE LINE MARKING THE LIMIT OF INSERTION INTO THE BELL. WHEN THE JOINT IS COMPLETE, THE SPACER SHALL BE IN CONTACT WITH THE BELL OF THE JOINT SO THAT THE SPACER PUSHES THE JOINT AND RELIEVES COMPRESSION WITHIN THE JOINT. SUBSEQUENT SPACERS SHALL BE PLACED AT 6' TO 10' INTERVALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. RAILROAD OR TXDOT MAY HAVE STRICTER REQUIREMENTS AND SHALL BE ENFORCED



6" LATERAL TO SEWER MAIN

HALF TRENCH WIDTH 12" TYP.

HALF TRENCH WIDTH 12" TYP.

24" TYP.

PLAN VIEW

PVC WYE FOR DOUBLE SERVICE, WHERE SHOWN ON THE PLAN

PRECAST CONC. BOX (8" I.D. x 12" H) W/C.I. LID (OLD CASTLE MODEL 3-RT OR APPROVED EQUAL)

6" THREADED PLUG (6" MIN. CLR. FROM LID)

DEPTH VARIES

FG

6" LATERAL TO SEWER MAIN

6" DUAL SWEEPING TEE

PLUG ALL PIPES, WHERE SERVICE IS NOT CONNECTED IMMEDIATELY

NOTES:

1. PRECAST CONC. BOX SHALL HAVE MIN. 5,000 PSI COMPRESSIVE STRENGTH IN 28 DAYS. REINFORCEMENT SHALL BE WELDED WIRE FABRIC.
2. CLEAN OUT LID SHALL BE ASTM C48 CLASS 30/35 CAST IRON WITH "CoC SS CO" EMBOSSED.
3. PIPES AND FITTINGS FOR SEWER LATERAL SHALL BE PVC SDR-26 OR SCH-40 PVC.
4. DO NOT LOCATE CLEAN OUT WITHIN SIDEWALK OR DRIVEWAY PAVING, WHERE POSSIBLE
5. PROVIDE SUITABLE NATIVE SOIL OR SELECT FILL FOR TRENCH BACKFILL.

SANITARY SEWER CLEAN OUT DETAIL

Approved By: *[Signature]*

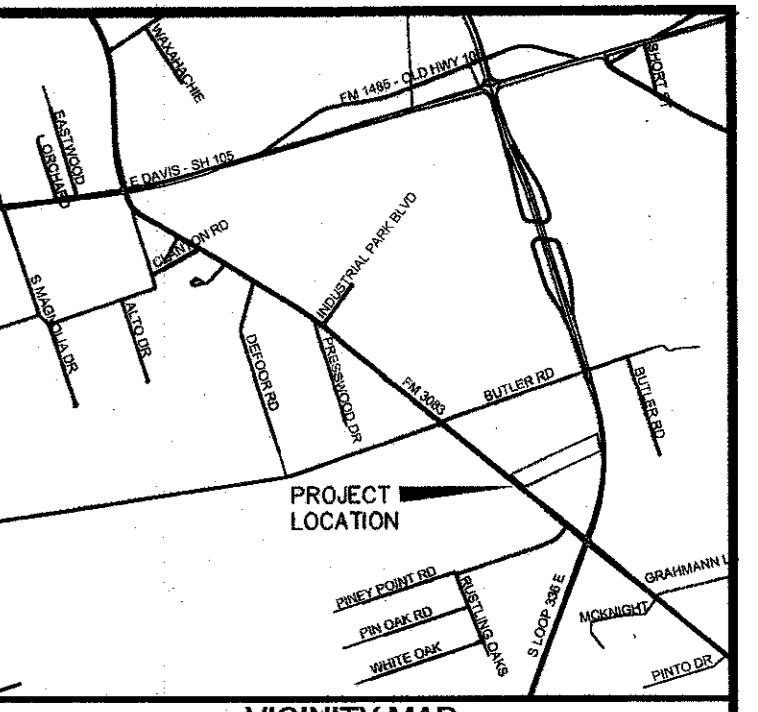
Revision D
06 / 08 / 20

SWR-18

date Time : Mon, 10 Jan, 2022 - 3:51PM
month Name : PROJECTS\125919-051 Malaney Services
year Name : Z:\Files\Constro\ConstroDwg\13 - Details 3.dwg

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ICINITY MAP
N.T.S.

Utility Legend

Signs		Street Light
Off Valve		Taping Sleeve & Valve
Valve		Clean Out
hydrant		San Manhole
/LINE		Storm Inlet
f Bank		Storm Manhole
Feet		
ed Conc Pipe		
OF PAVING	PC	Point of Curve
WALK	ROW	Right of Way
AL GRADE	UE	Utility Easement
END TREATMENT	CO	Cleanout
YDRANT	TG	TOP GRAVEL
	PG	PROP. GRADE
	TC	TOP CURB
	MH	MAHOLE
	FF	FINISHED FLOOR

OTES:
SITE BENCHMARK:
T.B.M. IS SET MAG NAIL NORTHWEST OF PROPERTY
ELEV.-212.56'

FLOODPLAIN NOTE:
THIS TRACT IS LOCATED IN ZONE X AND IS NOT IN THE 100-YEAR FLOODPLAIN ACCORDING TO FEMA F.I.R.M. PANEL NO. 48339C0395G, EFFECTIVE AUGUST 18, 2014.

A circular seal for a Texas Professional Engineer. It features a five-pointed star in the center, surrounded by the words "STATE OF TEXAS" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom. The number "108591" is in the center of the star. The seal is enclosed in a double-lined circular border.

ACES

AMERICAN CIVIL ENGINEERING SERVICES, L.P.

CITY OF CONROE
Engineering Division

have been reviewed for general conformity to City of Conroe design requirements and specifications. Constructability and sound practices remain the responsibility of the designer. Construction of the project is to meet all City of Conroe guidelines prior to the initial certification. Errors and omissions in the plans may cause significant increases in construction costs and delays.

**BERG INVESTMENTS
SITE PLAN
TXDOT DETAILS 01**

STDD6.DGN

PLAN

Free Area is 660 in²

C Frame, Grate & Inlet

#5 Bars x 4'-0" Spaced as shown with each Mat of Pavement Reinforcing

SECTION A-A

See Frame & Grate Details

Top of Pavmt 3'-0"

2 Layers of 30 lb Roofing Felt All Around

1" Asphalt Bond Breaker Base

Formed Edge or Full Depth Saw Cut All Around

OD + 1'-0" 3'-0 1/2" Min. To Accommodate 60" Dia. Pipe, Max.

#5 Bars @ 12" C-C Max.

6" Min Polyethylene Foam All around (6 lb. Density)

2" Min Wrap Felt Around Foam

2" CIR

8"

1'-3" Min Proj

12"

6"

#5 Bars @ 12" Max Each Way

SECTION B-B

Stage 1 Construction

Top of Pavement 3'-0"

Bottom of base

OD + 1'-0" 2'-6" Min. To Accommodate 60" Dia. Pipe, Max.

Mortar Bead

SECTION C-C

Showing Shaping Of Invert, Pipe Entering From Adjacent Sides

SECTION D-D

Showing Shaping Of Invert, Pipe Entering From Adjacent Sides

GRATE DETAIL

PLAN

8 Equal Spaces 1 3/4"

1" x 5 1/2" Flat Bar (Typ)

1" x 4" Flat Bars

3/4" x 3" x 0'-6" w/ 3/8" Dia Hole (Typical)

PLAN

3 Equal Spaces 4"

5" 2~ 3/8" Dia Holes 5"

4" 3 Equal Spaces 4"

3/8" Dia Studs (Typ)

FRAME DETAIL

PLAN

1 1/2" 1 1/2"

1" x 4" Flat Bar

1" x 5 1/2" Flat Bar

3/4" x 3" x 0'-6" Flat Bar

1/2" Gap Top of Grate/Frame

3/8" x 4" Stud

1/2" Gap Top All Weldment

1/2" Dia Bolt (A307) w/ Hex Nut, Flat & Lock Wash (Galv)

WELDMENT DETAIL

GENERAL NOTES

Alternate designs shall conform to special provisions for Item 465.

All steel is ASTM-A36 and shall be galvanized after fabrication.

Cost of Furnishing And Installing Frames, Grates, Additional Pavement Reinforcing, Roofing Felt And Polyethylene Foam Shall Be Included In The Unit Price Bid For The Type Of Inlet Selected.

All Concrete Shall Be Class C.

Shop Drawings Will Be Required For Precast Construction Of Inlets.

FOR TRAFFIC LOADS

Texas Department of Transportation
Houston District

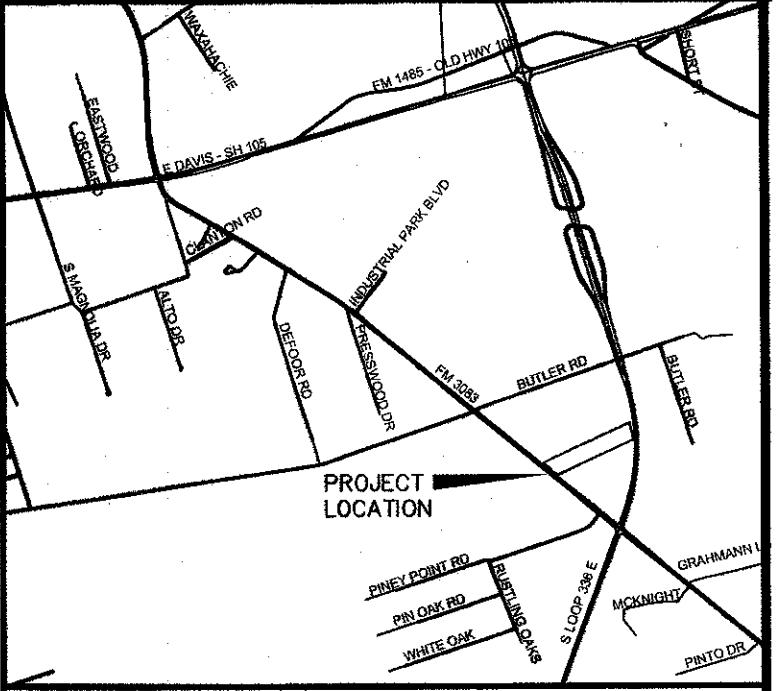
INLET TYPE AZ

HIL-AZ

BARS J (#5)

FILE# STDD6.DGN **CH-TxDOT** **CH-TxDOT** **CH-TxDOT** **CH-TxDOT** **STDN**
 (C) TxDOT Feb 2010 **DIST** **FED REC** **PROJECT NO.** **HEET**
 12/2008 Updated Abbreviation of Std. title.
 2/2010 Note for alternate design added.
HOUS **6** **COUNTY** **CONTROL** **SECT** **JOB** **HIGHWAY**

d = Diameter
 R = Radius



VICINITY MAP
N.T.S.

Utility Legend

Street Signs		Street Light
Plug		Taping Sleeve & Valve
Blow-Off Valve		Clean Out
Gate Valve		San Manhole
Fire Hydrant		Storm Inlet
Tee		Storm Manhole
FLOWLINE	PC	Point of Curve
TOP OF BANK	ROW	Right of Way
LINEAR FEET	UE	Utility Easement
REINFORCED CONC PIPE	CO	Cleanout
TOP OF PAVING	TG	TOP GRAVEL
SIDE WALK	PG	PROP. GRADE
NATURAL GRADE	TC	TOP CURB
SAFETY END TREATMENT	MH	MAHOLE
FIRE HYDRANT	FF	FINISHED FLOOR

NOTES:
1. SITE BENCHMARK:
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ELEV.-212.56'

2. FLOODPLAIN NOTE:
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Texas Department of Transportation Standard

**SAFETY END TREATMENT
FOR 12" DIA TO 72" DIA
PIPE CULVERTS
TYPE II ~ PARALLEL DRAINAGE**

GETTING STARTED

SET P-PD				
setppse-20.dgn		DN: GAF	CK: CAT	DN: JRP
DOT	February 2020	EGNT	SECT	JOB
REVISIONS				HIGHWAY
		DIST	COUNTY	

CITY OF CONROE

Engineering Division

These plans have been reviewed for general conformity with the City of Conroe design requirements and construction specifications. Constructability and sound engineering practices remain the responsibility of the engineer sealing the plans. Construction of the project is required to meet all City of Conroe guidelines prior to the issuance of initial certification. Errors and omissions in the plans may cause significant increases in construction costs and time delays.

JAN 27 2021

**SANBERG INVESTMENTS
SITE PLAN
TYDOT DETAILS 03**

19. *Leucosia* *leucostoma* (Fabricius) *leucostoma* (Fabricius) *leucostoma* (Fabricius)

Design:	CAD:	Job No:	Drawing No:
CDF	CDF	125919-051	16

