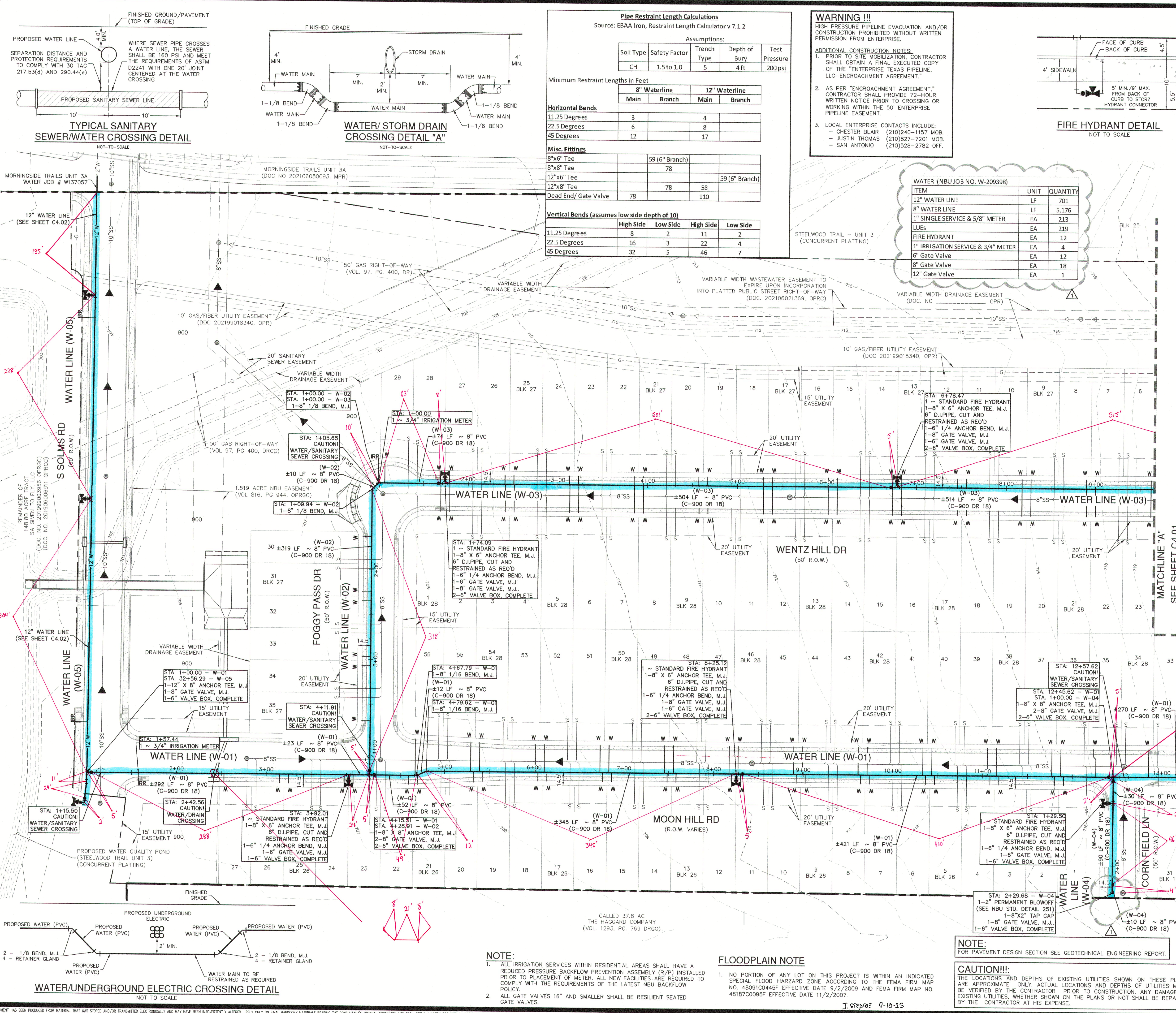




Pipe Restraint Length Calculations
Source: EBAA Iron, Restraint Length Calculator v 7.1.2

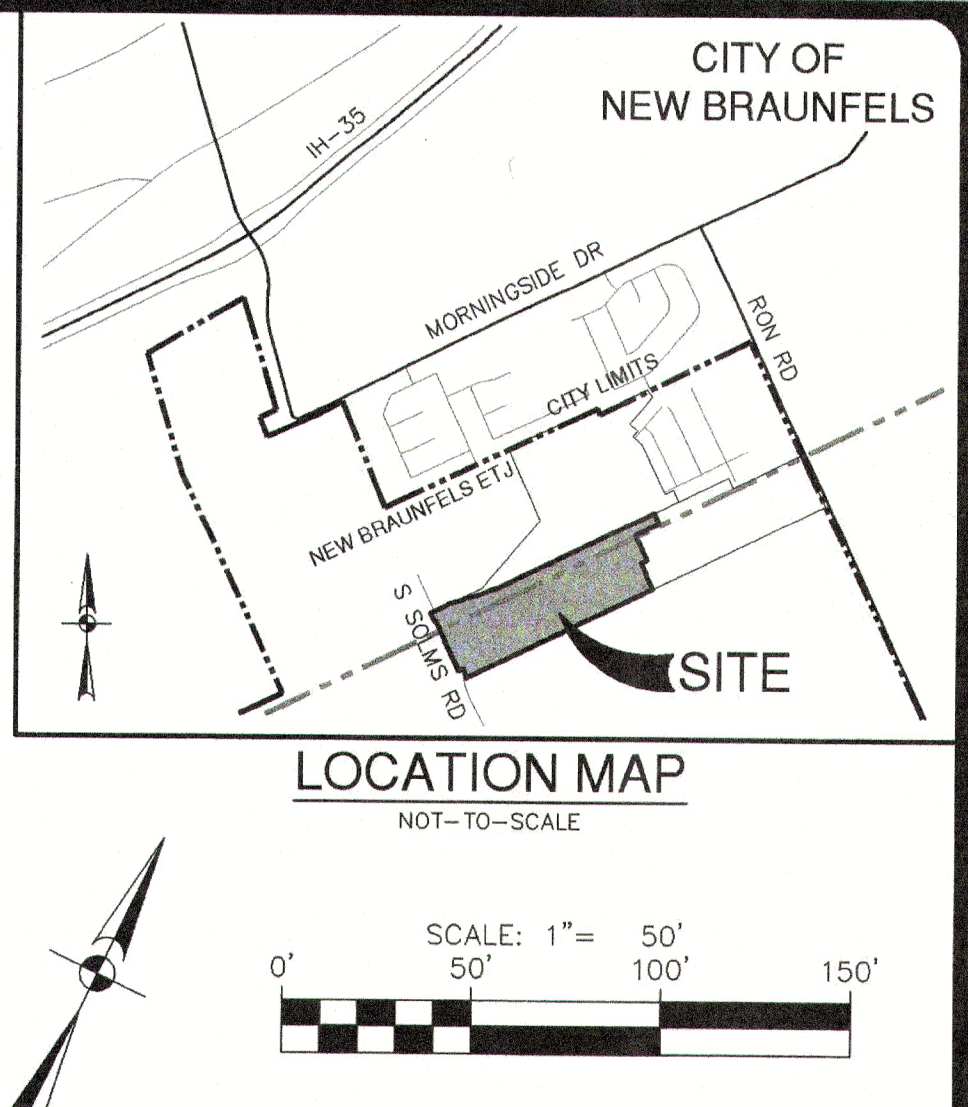
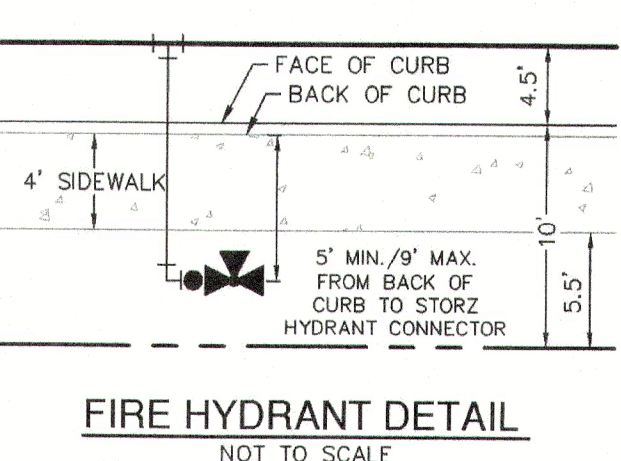
Assumptions:
Soil Type: CH, Safety Factor: 1.5 to 1.0, Trench Type: 5, Depth of Bury: 4 ft, Test Pressure: 200 psi

Horizontal Bends	8" Waterline		12" Waterline	
	Main	Branch	Main	Branch
11.25 Degrees	3		4	
22.5 Degrees	6		8	
45 Degrees	12		17	

Fitting	8" (6" Branch)	12" (6" Branch)
8"x6" Tee	59	
8"x8" Tee	78	
12"x6" Tee		59
12"x8" Tee		58
Dead End/ Gate Valve	78	110

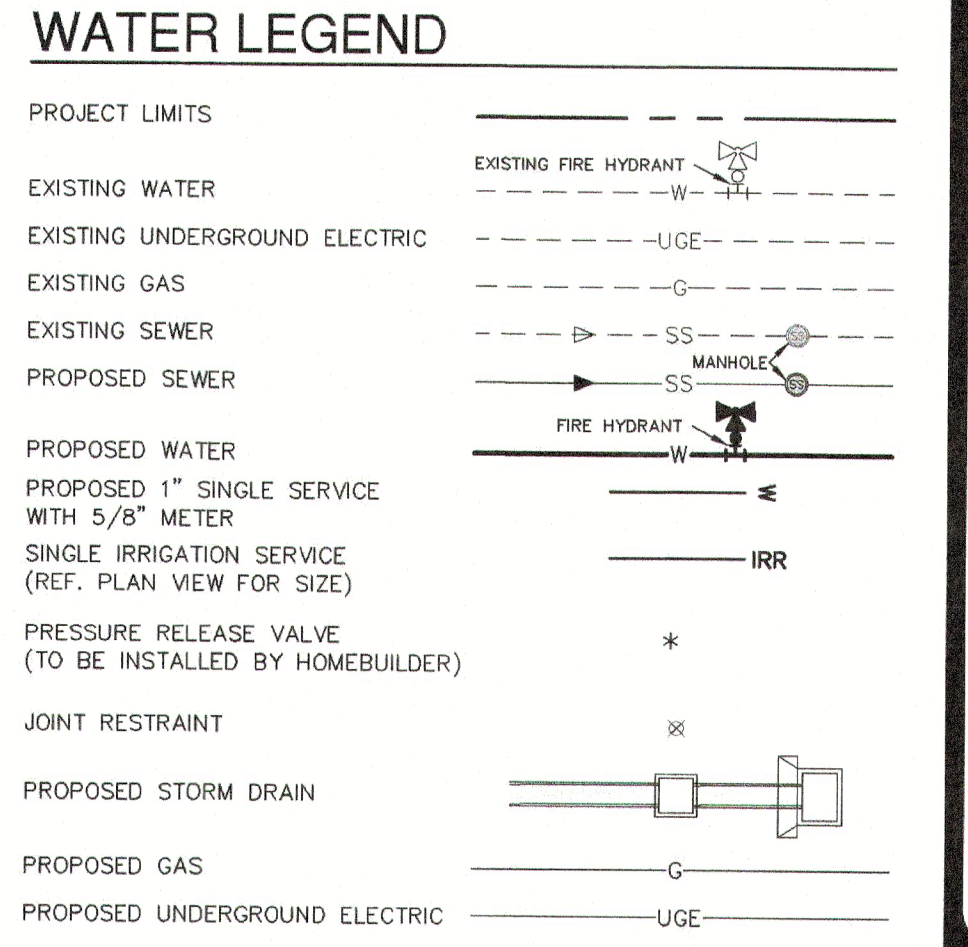
Vertical Bends	High Side		Low Side	
	High Side	Low Side	High Side	Low Side
11.25 Degrees	8	2	11	2
22.5 Degrees	16	3	22	4
45 Degrees	32	5	46	7

WARNING !!!
HIGH PRESSURE PIPELINE EVACUATION AND/OR CONSTRUCTION PROHIBITED WITHOUT WRITTEN PERMISSION FROM ENTERPRISE.
ADDITIONAL CONSTRUCTION NOTES:
1. PRIOR TO SITE MOBILIZATION, CONTRACTOR SHALL OBTAIN A FINAL EXECUTED COPY OF THE "ENTERPRISE TEXAS PIPELINE, LLC-ENCROACHMENT AGREEMENT."
2. AS PER "ENCROACHMENT AGREEMENT," CONTRACTOR SHALL PROVIDE 72-HOUR WRITTEN NOTICE PRIOR TO CROSSING OR WORKING WITHIN THE 50' ENTERPRISE PIPELINE EASEMENT.
3. LOCAL ENTERPRISE CONTACTS INCLUDE:
- CHESTER BLAIR (210)240-1157 MOB.
- JUSTIN THOMAS (210)827-7201 MOB.
- SAN ANTONIO (210)528-2782 OFF.



WATER (NBU JOB NO. W-209398)

ITEM	UNIT	QUANTITY
12" WATER LINE	LF	701
8" WATER LINE	LF	5,176
1" SINGLE SERVICE & 5/8" METER	EA	213
LUES	EA	219
FIRE HYDRANT	EA	12
1" IRRIGATION SERVICE & 3/4" METER	EA	4
6" Gate Valve	EA	12
8" Gate Valve	EA	18
12" Gate Valve	EA	1



JOINT RESTRAINT NOTE:
CONTRACTOR SHALL INSTALL RETAINER GLANDS AT ALL FITTINGS AND PROVIDE JOINT RESTRAINING HARNESSES OR FIELD LOCK GASKETS AT ALL JOINTS WITHIN THE LENGTH SHOWN. CONTRACTOR SHALL INSURE THAT ALL TEES, BENDS, VALVES, ETC. HAVE A MINIMUM OF 5 FT OF PIPE WITH NO JOINTS ON EACH SIDE OF THE FITTING. JOINT RESTRAINTS AND RETAINER GLANDS SHALL BE CALCULATED BY THE DEVELOPER'S ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE JOINT RESTRAINTS WITH THE DEVELOPER'S ENGINEER.

- CITY OF NEW BRAUNFELS NOTES**
- NO VALVES, HYDRANTS, ETC. SHALL BE CONSTRUCTED WITHIN CURBS, SIDEWALKS, OR DRIVEWAYS.
 - ALL UTILITIES TO BE CONSTRUCTED PRIOR TO STREETS.
 - THIS PROJECT INCLUDES UTILITY INSTALLATIONS GREATER THAN 5-FOOT IN DEPTH. DEEP TRENCHES POSE COMPACTION TESTING AND CONSTRUCTION CHALLENGES AND CITY METHODS FOR TESTING AND COMPACTION MAY NOT BE ACHIEVABLE. A UTILITY COMPACTION PLAN WILL BE REQUIRED AND MUST BE SUBMITTED FOR APPROVAL TO CITY PRIOR TO UTILITY INSTALLATION.
 - UTILITY TRENCH COMPACTION - ALL UTILITY TRENCH COMPACTION TESTS WITHIN THE STREET PAVEMENT/SIDEWALK SECTION SHALL BE THE RESPONSIBILITY OF THE DEVELOPER'S GEOTECHNICAL ENGINEER. FILL MATERIAL SHALL BE PLACED IN UNIFORM LAYERS NOT TO EXCEED TWELVE INCHES (12") THICK. DETERMINE THE MAXIMUM LIFT THICKNESS BASED ON THE ABILITY OF THE COMPACTION OPERATION AND EQUIPMENT USED TO MEET THE REQUIRED DENSITY. EACH LAYER OF MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% DENSITY AND TESTED FOR DENSITY AND MOISTURE IN ACCORDANCE WITH TEST METHODS TEX-113-E, TEX-114-E, TEX-115-E. THE NUMBER AND LOCATION OF REQUIRED TESTS SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER AND APPROVED BY THE CITY OF NEW BRAUNFELS STREET INSPECTOR. AT A MINIMUM, TESTS SHALL BE TAKEN EVERY 200 LF FOR EACH LIFT AND EVERY OTHER SERVICE LINE. UPON COMPLETION OF TESTING THE GEOTECHNICAL ENGINEER SHALL PROVIDE THE CITY OF NEW BRAUNFELS STREET INSPECTOR WITH ALL TESTING DOCUMENTATION AND A CERTIFICATION STATING THAT THE PLACEMENT OF UTILITY MATERIAL HAS BEEN COMPLETED IN ACCORDANCE WITH THE PLANS. ADDITIONAL DENSITY TESTS MAY BE REQUESTED BY THE CITY OF NEW BRAUNFELS INSPECTOR.

CAUTION!!!
CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AND FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINES. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL CONTACT "TEXAS 811" A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

TRENCH EXCAVATION SAFETY PROTECTION:
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH A MINIMUM OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

FLOODPLAIN NOTE
1. NO PORTION OF ANY LOT ON THIS PROJECT IS WITHIN AN INDICATED SPECIAL FLOOD HAZARD ZONE, ACCORDING TO THE FEMA FIRM MAP NO. 480604045F EFFECTIVE DATE 9/2/2009 AND FEMA FIRM MAP NO. 48187C0095F EFFECTIVE DATE 11/2/2007.

NOTE:
1. ALL IRRIGATION SERVICES WITHIN RESIDENTIAL AREAS SHALL HAVE A REDUCED PRESSURE BACKFLOW PREVENTION ASSEMBLY (R/P) INSTALLED PRIOR TO PLACEMENT OF METER. ALL NEW FACILITIES ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE LATEST NBU BACKFLOW POLICY.
2. ALL GATE VALVES 16" AND SMALLER SHALL BE RESILIENT SEATED GATE VALVES.

NOTE:
FOR PAVEMENT DESIGN SECTION SEE GEOTECHNICAL ENGINEERING REPORT.

CAUTION!!!
THE LOCATIONS AND DEPTHS OF EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. ACTUAL LOCATIONS AND DEPTHS OF UTILITIES MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES, WHETHER SHOWN ON THE PLANS OR NOT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

NO. REVISION
DATE: 06/20/24
1 WATER DESIGN REVISION

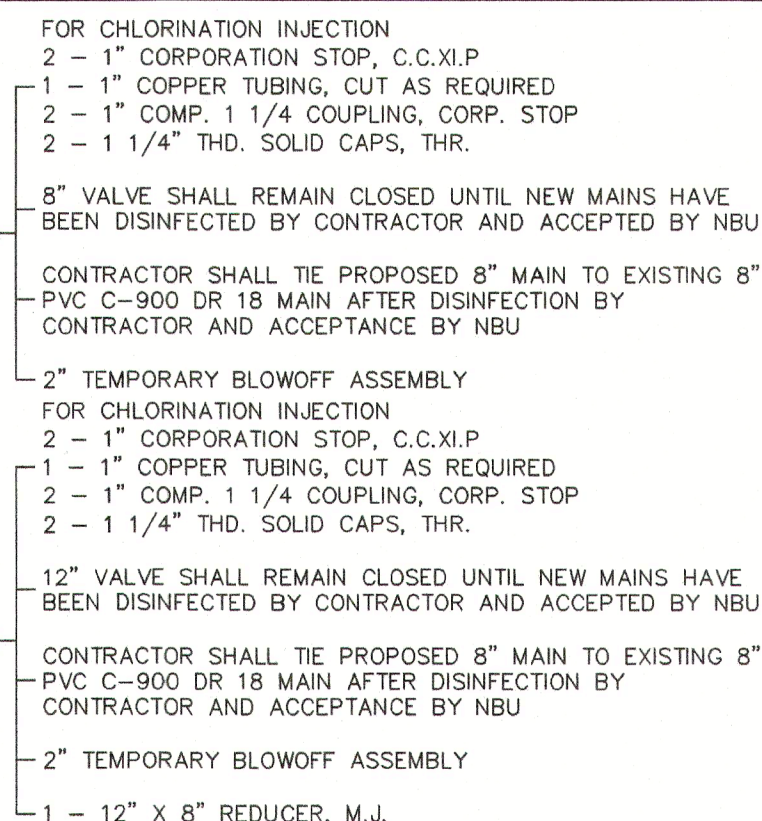
STATE OF TEXAS
TODD W. BLACKMON
89208
LICENSED PROFESSIONAL ENGINEER

PAPE-DAWSON ENGINEERS
NEW BRAUNFELS 1 SAN ANTONIO 1 AUSTIN 1 HOUSTON 1 FORT WORTH 1 DALLAS
1072 INDEPENDENCE DR. SUITE 102 | NEW BRAUNFELS, TX 78132 | 832.032.0603
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

PLAT NO.
JOB NO. 30034-07
DATE MAY 2022
DESIGNER HF
CHECKED HFDRAWN BH
SHEET C4.00

STEELWOOD TRAIL UNIT 4
NEW BRAUNFELS, TEXAS
OVERALL WATER DISTRIBUTION PLAN

Date: Jun 20, 2024, 9:49am User ID: Mleuckie
File: P:\30034\07 Design\Coal WDMA-3003407.dwg
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Pipe Restraint Length Calculations

Source: EBAA Iron, Restraint Length Calculator v 7.1.2

Assumptions:

Soil Type	Safety Factor	Trench Type	Depth of Bury	Test Pressure	200 psi
CH	1.5 to 1.0	5	4 ft		

Minimum Restraint Lengths in Feet

8" Waterline		12" Waterline					
Main	Branch	Main	Branch				
Horizontal Bends							
11.25 Degrees	3	4					
22.5 Degrees	6	8					
45 Degrees	12	17					
Misc. Fittings							
8"x6" Tee	59 (6" Branch)						
8"x8" Tee	78						
12"x6" Tee			59 (6" Branch)				
12"x8" Tee	78	58					
Dead End/ Gate Valve	78	110					
Vertical Bends (assumes low side depth of 10)							
	High Side	Low Side	High Side	Low Side			
11.25 Degrees	8	2	11	2			
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45 Degrees	32	5	46	7			

WARNING !!!
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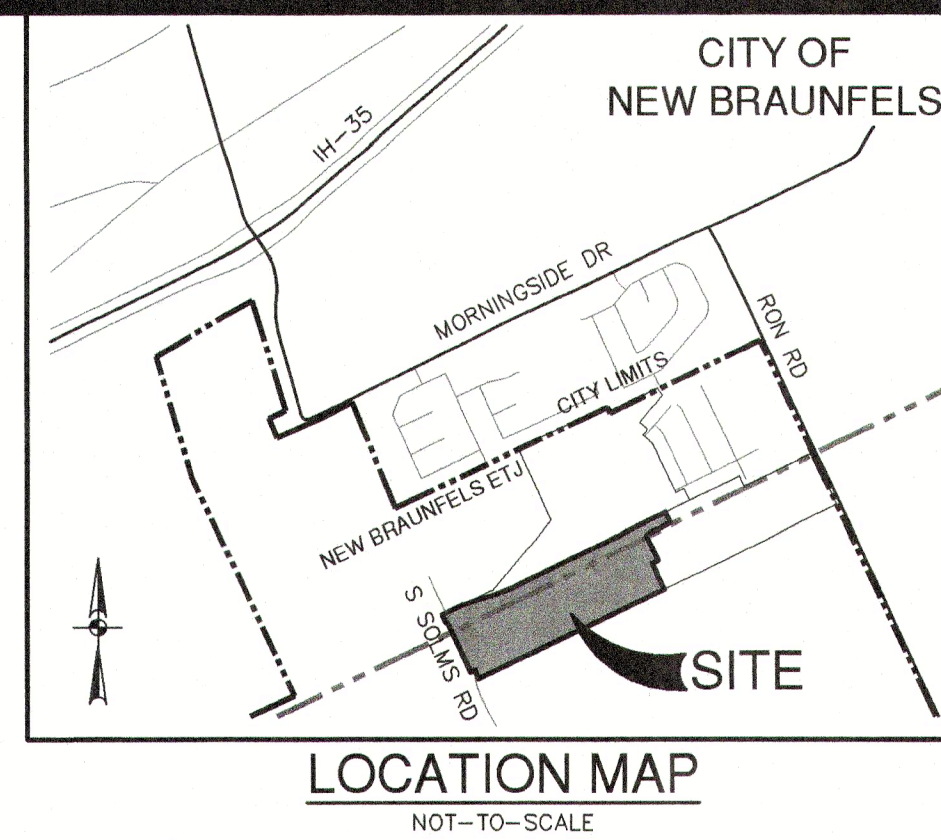
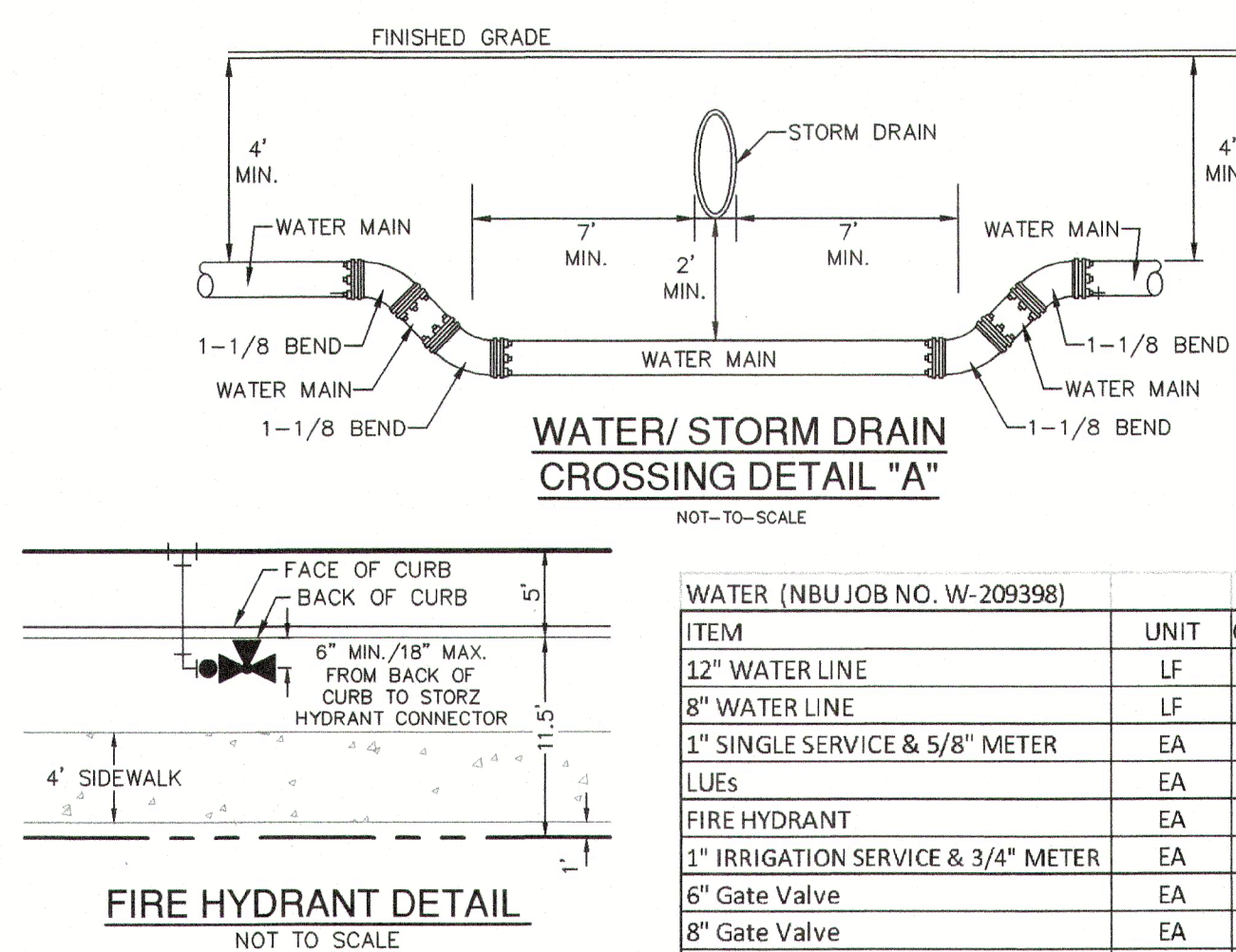
ADDITIONAL CONSTRUCTION NOTES:

1. PRIOR TO SITE MOBILIZATION, CONTRACTOR
SHALL OBTAIN A FINAL EXECUTED COPY OF
THE ENTERPRISE TIE-IN, TIE-OUT, PIPELINE,
LLC--ENCROACHMENT AGREEMENT."

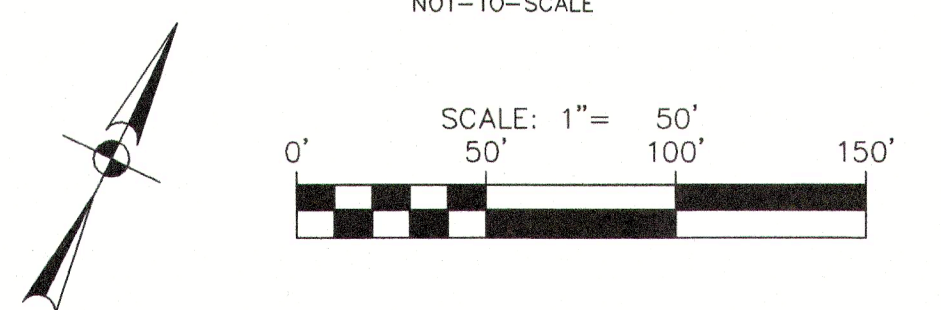
2. AS PER "ENCROACHMENT AGREEMENT,"
CONTRACTOR SHALL PROVIDE 72-HOUR
WRITTEN NOTICE PRIOR TO CROSSING OR
WORKING WITHIN THE 30' ENTERPRISE
PIPELINE EASEMENT.

3. LOCAL ENTERPRISE CONTACTS INCLUDE:

— JIMMY BLAIR (210)222-1157 HCB
— JUSTIN THOMAS (210)827-2201 MOB.
— SAN ANTONIO (210)282-7782 OFF.



WATER (NBU JOB NO. W-209398)		
ITEM	UNIT	QUANTITY
12" WATER LINE	LF	701
8" WATER LINE	LF	5,181
1" SINGLE SERVICE & 5/8" METER	EA	213
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JOINT RESTRAINT NOTE:
CONTRACTOR SHALL INSTALL RETAINER GLANDS AT ALL FITTINGS AND PROVIDE JOINT RESTRAINING HARNESSES OR FIELD LOCK GASKETS AT ALL JOINTS WITHIN THE LENGTH SHOWN. CONTRACTOR SHALL INSURE THAT ALL TEES, BENDS, VALVES, ETC. HAVE A MINIMUM OF 5 FT OF PIPE WITH JOINTS ON EACH SIDE OF THE FITTING. JOINT RESTRAINTS AND RETAINER GLANDS SHALL BE CALCULATED BY THE DEVELOPER'S ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE JOINT RESTRAINTS WITH THE DEVELOPER'S ENGINEER.

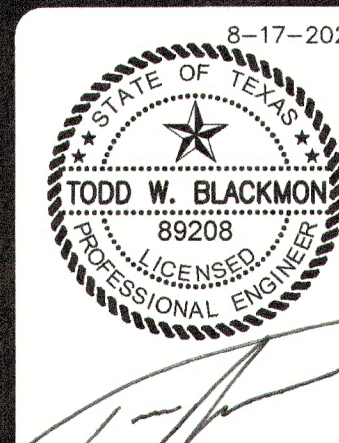
CITY OF NEW BRAUNFELS NOTES

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3. THIS PROJECT INCLUDES UTILITY INSTALLATIONS GREATER THAN 5 FEET IN DEPTH, DEEP TRENCHES, POSE COMPACTION, TESTING AND CONSTRUCTION CHALLENGES AND CITY METHODS FOR TESTING AND COMPACTION MAY NOT BE ACHIEVABLE. A UTILITY COMPACTION PLAN SHALL BE SUBMITTED FOR APPROVAL. CITY SHALL REVIEW AND APPROVE THE PLAN PRIOR TO UTILITY INSTALLATION.
4. UTILITY TRENCH COMPACTION - ALL UTILITY TRENCH COMPACTION TESTS WITHIN THE STREET PAVEMENT/SIDEWALK SECTION SHALL BE THE RESPONSIBILITY OF THE DEVELOPER'S GEOTECHNICAL ENGINEER. FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM 95% DENSITY. TWELVE INCHES (12") LOGS, DETERMINE THE MAXIMUM FILL THICKNESS BASED ON THE ABILITY OF THE COMPACTING OPERATION AND LOGS TO BE USED TO MEET THE REQUIRED DENSITY. THE NUMBER OF LOGS USED TO MEET THE REQUIRED DENSITY SHALL BE DETERMINED BY TESTING. TESTS SHALL BE 11.5" X 11.5" X 11.5" IN SIZE. THE NUMBER AND LOCATION OF REQUIRED TESTS SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER AND APPROVED BY THE CITY OF NEW BRAUNFELS STREET INSPECTOR AT THE TIME OF THE TESTS. EVERY 10' OF FILL FOR EACH LANE AND EVERY OTHER SERVICE UTILITY. COMPLETION OF TESTING THE GEOTECHNICAL ENGINEER SHALL PROVIDE THE CITY OF NEW BRAUNFELS STREET INSPECTOR WITH ALL TESTING DOCUMENTATION AND VERIFICATION STATEMENTS THAT THE PLACEMENT OF FILL MATERIAL HAS BEEN COMPLETED IN ACCORDANCE WITH THE PLACEMENT AND COMPACTION TESTS MAY BE REQUESTED BY THE CITY OF NEW BRAUNFELS INSPECTOR.

CAUTION!!

CONTRACTOR SHALL BE REQUIRED TO LOCATE ALL PUBLIC OR PRIVATE UTILITIES INCLUDING BUT NOT LIMITING TO: WATER, SEWER, TELEPHONE AN FIBER OPTIC LINES, SITE LIGHTING ELECTRIC, SECONDARY ELECTRIC, PRIMARY ELECTRICAL, DUCTBANKS, LANDSCAPE IRRIGATION FACILITIES, AND GAS LINE. ANY UTILITY CONFLICTS THAT ARISE SHOULD BE COMMUNICATED TO THE ENGINEER IMMEDIATELY AND PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES WITHIN 48 HOURS PRIOR TO THE START OF CONSTRUCTION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND THE REPAIR SHALL BE AT CONTRACTOR'S SOLE EXPENSE WHETHER THE UTILITY IS SHOWN ON THESE PLANS OR NOT.

TRENCH EXCAVATION SAFETY PROTECTION:
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYE
OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/ENGINEERING CONSULTAN
THE CONTRACTOR REVIEW THESE PLANS AND ALL AVAILABLE GEOTECHNICAL
INFORMATION AND DATA TO DETERMINE THE SAFETY OF THE TRENCH EXCAV
PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH
EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND DOCUMENT
PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS
THE CONTRACTOR'S DOCUMENTATION OF THESE SYSTEMS, PROGRAMS AND
SAFETY/ OR PROCEDURES SHALL BE PROVIDED FOR ADEQUATE TRENCH EXCAV
SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARD
FOR TRENCH EXCAVATIONS, SPECIFICALLY, CONTRACTOR AND/OR
CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY
CONSULTANT SHALL IMPLEMENT A TRENCHING SAFETY PROGRAM
FOR ALL TRENCHING, SHIELDING, AND SHIELDING PROTECTIVE ACTIV
ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.

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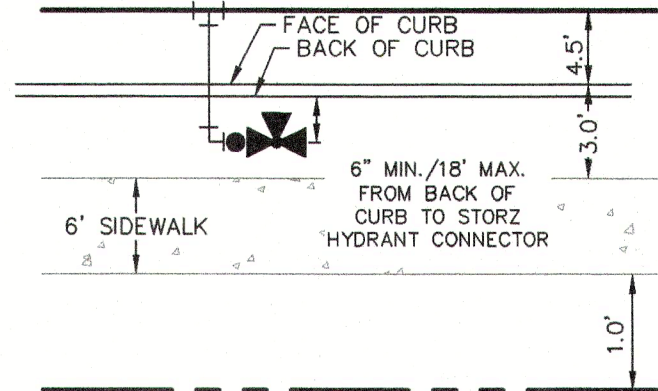
**PAPE-DAWSON
ENGINEERS**

STEELWOOD TRAIL UNIT 4
NEW BRAUNFELS, TEXAS

OVERALL WATER DISTRIBUTION PLAN

PLAT NO. _____
JOB NO. 30034-07
DATE MAY 2022
DESIGNER HF
CHECKED HF DRAWN B
SHEET C4.01

FOR PERMIT



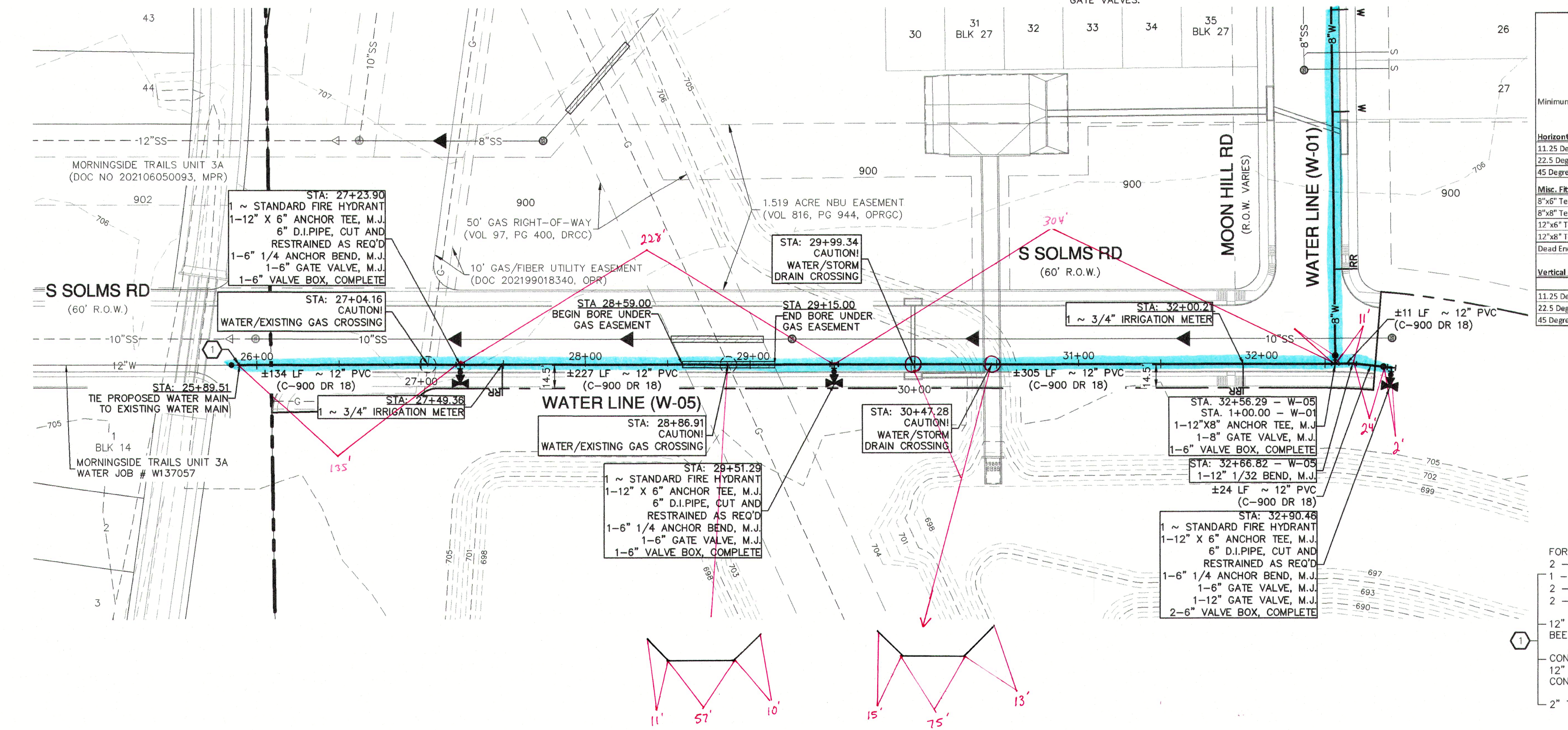
FIRE HYDRANT DETAIL
NOT TO SCALE

WARNING !!!

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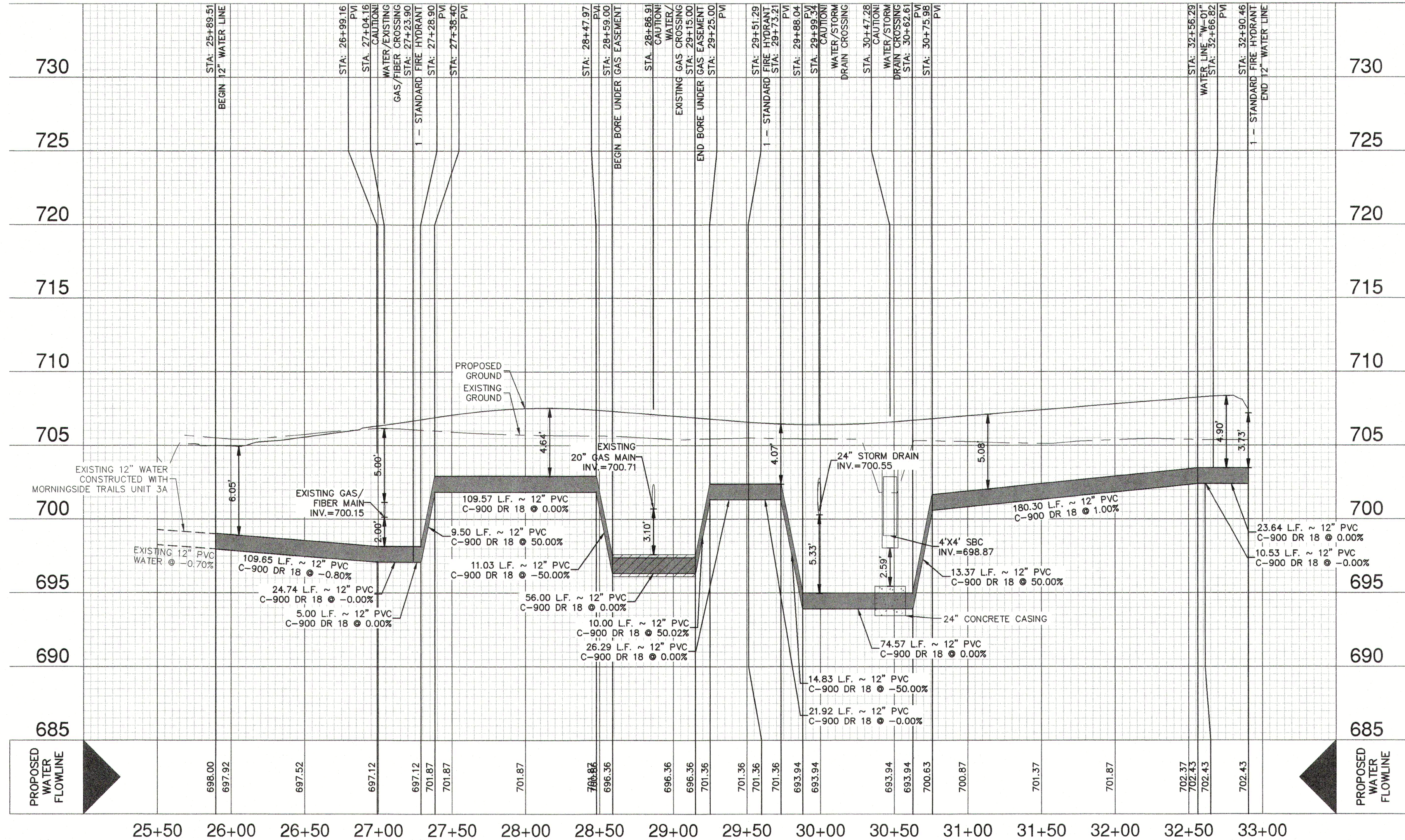
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 - JUSTIN THOMAS (210)827-7201 MOB.
 - SAN ANTONIO (210)528-2782 OFF.



12" WATER MAIN "W-05"
STA. 25+89.51 TO 32+90.46

VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



NOTE:

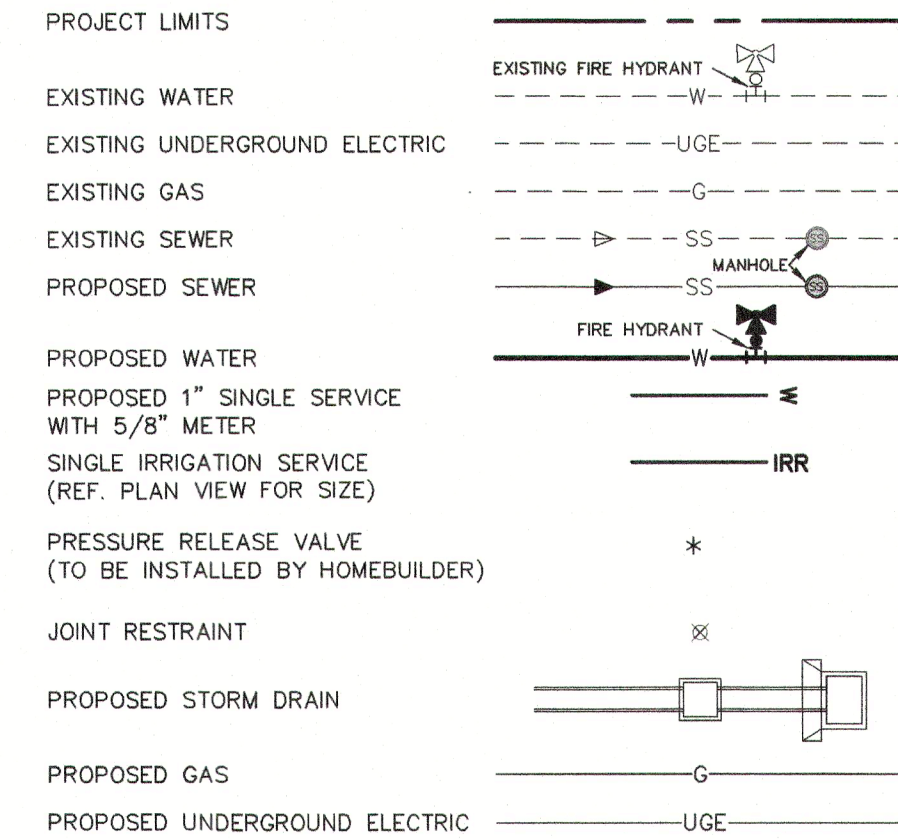
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2. ALL GATE VALVES 16" AND SMALLER SHALL BE RESILIENT SEATED GATE VALVES.

FLOODPLAIN NOTE

1. NO PORTION OF ANY LOT ON THIS PROJECT IS WITHIN AN INDICATED SPECIAL FLOOD HAZARD ZONE ACCORDING TO THE FEMA FIRM MAP NO. 48091C0445F EFFECTIVE DATE 9/2/2009 AND FEMA FIRM MAP NO. 48187C0095F EFFECTIVE DATE 11/2/2007.

Pipe Restraint Length Calculations				
Source: EBAA Iron, Restraint Length Calculator v 7.1.2				
Assumptions:				
Soil Type	Safety Factor	Trench Type	Depth of Bury	Test Pressure
CH	1.5 to 1.0	5	4 ft	200 psi
Minimum Restraint Lengths in Feet				
		8" Waterline	12" Waterline	
		Main	Branch	Main
Horizontal Bends				
11.25 Degrees		3		4
22.5 Degrees		6		8
45 Degrees		12		17
Misc. Fittings				
8"x4" Tee		59 (6" Branch)		
8"x8" Tee		78		
12"x8" Tee		78	58	59 (6" Branch)
12"x8" Tee		78	58	
Dead End/ Gate Valve		78		110
Vertical Bends (assumes low side depth of 30')				
		High Side	Low Side	Low Side
11.25 Degrees		8	2	2
22.5 Degrees		16	3	4
45 Degrees		32	5	7

WATER LEGEND



JOINT RESTRAINT NOTE:

CONTRACTOR SHALL INSTALL RETAINER GLANDS AT ALL FITTINGS AND PROVIDE JOINT RESTRAINING HARNESSES OR FIELD LOCK GASKETS AT ALL JOINTS WITHIN THE LENGTH SHOWN. CONTRACTOR SHALL INSURE THAT ALL TEES, BENDS, VALVES, ETC. HAVE A MINIMUM OF 5 FT. OF PIPE WITH NO JOINTS ON EACH SIDE OF THE FITTING. JOINT RESTRAINTS AND RETAINER GLANDS SHALL BE CALCULATED BY THE DEVELOPER'S ENGINEER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE JOINT RESTRAINTS WITH THE DEVELOPER'S ENGINEER.

CITY OF NEW BRAUNFELS NOTES

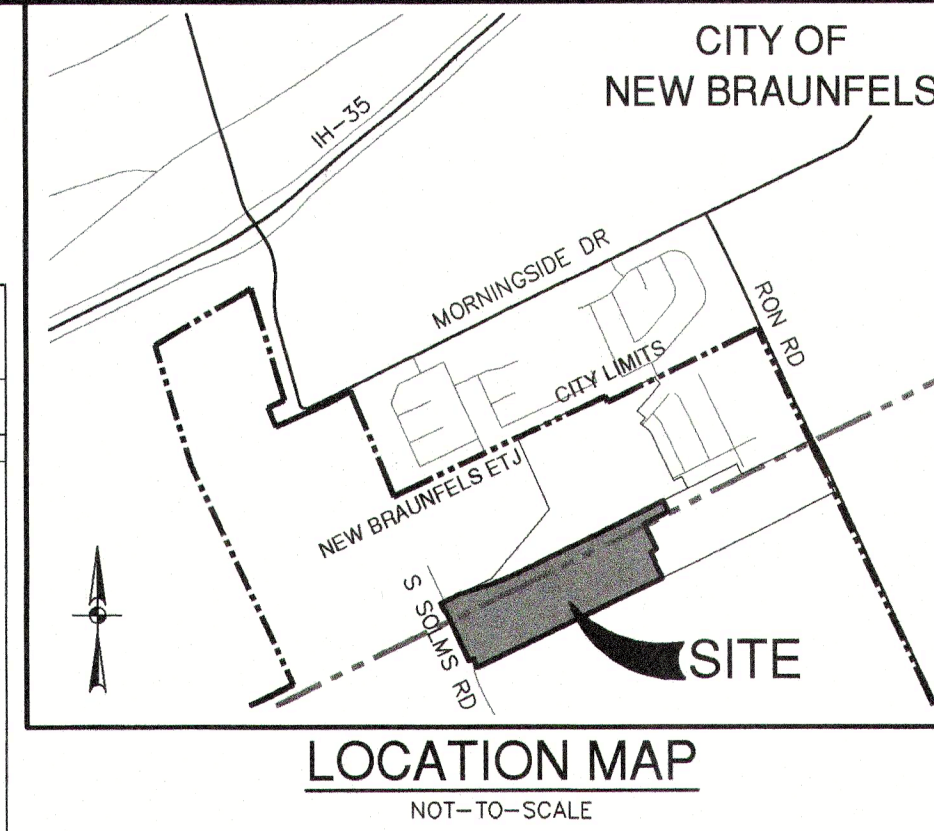
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CAUTION!!

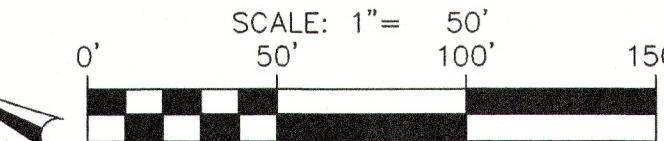
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TRENCH EXCAVATION SAFETY PROTECTION:

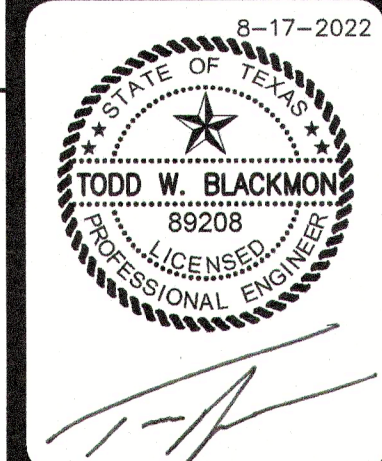
CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/ GEOTECHNICAL/ SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITES WITHIN THE PROJECT WORK AREA IN ORDER TO IMPLEMENT CONTRACTOR'S TRENCH EXCAVATION SAFETY PROTECTION SYSTEMS, PROGRAMS AND/ OR PROCEDURES FOR THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S IMPLEMENTATION OF THESE SYSTEMS, PROGRAMS AND/ OR PROCEDURES SHALL PROVIDE FOR ADEQUATE TRENCH EXCAVATION SAFETY PROTECTION THAT COMPLY WITH AS A MINIMUM, OSHA STANDARDS FOR TRENCH EXCAVATIONS. SPECIFICALLY, CONTRACTOR AND/ OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS GOVERNING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION.



LOCATION MAP
NOT-TO-SCALE



DATE	
NO.	
REVISION	



PAPE-DAWSON ENGINEERS
NEW BRAUNFELS | SAN ANTONIO | AUSTIN | HOUSTON | FT WORTH | DALLAS
1672 INDEPENDENCE DR. STE 102 | NEW BRAUNFELS, TX 78132 | (832)652-5693
TEXAS ENGINEERING FIRM #470 | TEXAS SURVEYING FIRM #10028800

STEELWOOD TRAIL UNIT 4
NEW BRAUNFELS, TEXAS

12 INCH WATER MAIN W-05 - PLAN & PROFILE
STA. 25+89.51 TO 32+90.46

PLAT NO.	
JOB NO.	30034-07
DATE	MAY 2022
DESIGNER	HF
CHECKED	HF
DRAWN	BH
SHEET	C4.02

FOR PERMIT