

- 4. FLUSHING HYDRANTS AND FIRE HYDRANTS OR HOSE BIBS CONNECTED TO RECLAIMED-WATER LINES SHALL ALSO BE PAINTED PURPLE AND BARE A SIGN PROMINENTLY PLACED NEXT TO THEM WITH THE FOLLOWING TEXT: "NON POTABLE WATER DO NOT DRINKJPELIGIRO- AGUA NO ES PARA BEBERA."
- 5. SERVICE CONNECTIONS SHALL BE 1 INCH, CONSISTENTLY COLOR CODED. THESE SHALL BE THERMO-FUSED WHEN INSTALLED ONTO HDPE PIPES, SERVICE
 CONNECTIONS ON PVC PIPE SHALL BE MADE WITH THE APPROPRIATE TEES, REDUCERS, VALVES, VALVE BOXES ETC. INDIVIDUAL SERVICE CONNECTIONS SHALL BE METERED, METERS SHALL BE NEPTONE MACHIO RAISO TRANSMITTER, OR CURRENT MAKE & MODEL REQUIRED BY SEC UTILITY,
- 6. RECLAIMED WATER/EFFLUENT IRRIGATION LINES SHALL NEVER BE CONNECTED TO THE POTABLE DOMESTIC SUPPLY SYSTEM.
- 7. ALL RECLAIMED WATER LINES SHALL BE RISTALLED IN THEIR OWN TRENCH, WITH NO OTHER UTILITIES SHARING THIS TRENCH, BURIED UNDER MINIMUM 48 INCHES OF COMPACTED BACKFILL.
- 8. LOCATE WIRES SHALL BE INSTALLED FOR ALL RECLAIMED WATER LINES. THE LOCATE WIRE MUST BE VISIBLE IN ALL MANHOLES OR ACCESS STRUCTURES. THIS WILL BE YERRIED DURING THE PRELIMINARY INSPECTION PRIOR TO PAYING. THE LOCATE WIRE SHALL BE A CONTINUOUS, TO GAURE, SOLDS STRAND INSULATED COPPER WIRE. SPLECE OF THE LOCATE WIRE SHALL FOLLOW THE SPECIFICATIONS IN THE SANTA FE COUNTY WATER UTILITIES CONSTRUCTION STANDARDS AND SPECIFICATIONS MANUAL.

PURPLE CARSONITE MARKERS WITH LD. STICKERS ARE REQUIRED ON ALL VALVES AND APPURTENANCES, AND EVERY 100 FEET ALONG PIPELINES THAT ARE NOT IN ROADWAY.

- CONTRACTOR SHALL DISPOSE OF ITEMS DESIGNATED FOR REMOVAL WITHOUT SALYAGE, WHICH ARE UNSUITABLE FOR USE AS CONSTRUCTION MATERIALS IN THIS PROJECT, DISPOSAL SHALL BE PERFORMED IN AN ENVIRONMENTALLY SOUND STIE, SECURED BY THE CONTRACTOR IN CLOSE COORDINATION WITH THE APPROPRIATE REGULATORY AGENCIES, CONTRACTOR SHALL NOTIFY THE PROJECT
- 7. BORBIOW MATERIAL, CONSTRUCTION WASTE, VEGETATIVE DEBIIS, ETC SHALL NOT BE PLACED IN WETLAND AREAS ARROYOS, OR ANY AREAS BIDDANCERED SPECIES, OR HABITAT RESOURCES MAY BE AFFECTED. BORROW AREAS NOT CONTIQUOUS TO THE PROJECT SITE SHALL BE SHOWN IN THE SWIPPP.
- IN THE SWOPP.

 8. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANING UP SPILLS ASSOCIATED WITH THE PROJECT'S CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL REPORT AND PROPERLY RESPOND TO SPILLS OF HAZARDOUS MATERIALS SUCH AS GASQUINE, DIESE, MOTOR OIL, SOLVENTS, TOTAC AND CORROSIVE SUBSTANCES, AND OTHER MATERIALS WHICH MAY REPRESENT A THREAT TO THE HEALTH AND WELFARE OF HIS WORKERS, THE GENERAL PUBLIC, ON THE ENVIRONMENT, CONTRACTOR SHALL REPORT EVIDENCE OF PAST SPILLS ENCOUNTRIED DURING CONSTRUCTION, OR PRESENT SPILLS MOT ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT, REPORDET, SHALL BE MADE MIMEDIATELY TO THE THE PROJECT MANAGER AND OR OPE AND THE APPROPRIATE STATE AGENCY RESPONSIBLE FOR THE ENERGENCY RESPONSE. CLEAN UP OF ANY UNREPORTED SPILLS THAT MAY HAVE OCCURRED DURING THE CONSTRUCTION OF THIS PROJECT, IDENTIFIED AFTERWARDS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 9. ALL WORR PERFORMED IN THE VICINITY OF EXISTING STREAMS, WATER IMPOUNDMENTS, WETLANDS OR BRUGATION WATER SOUNCES SHALL BE PERFORMED IN SUCH A MARNER AS TO MINIMIZE VEXETATION DAMAGE OR REMOVAL, AS WELL AS ANY SOL EROSION. CONSTRUCTION EQUIPMENTS CROSSINGS OF EXISTING STREAMS, WHETHER THE STREAMS ARE EPHEMERAL OR PERENNAL SHALL BE MINIMIZED, AND IN COMPLIANCE WITH THE CLEAN WATER ACT (CWA), USACE 404, ON OTHER TELERAL PERMIT REQUIREMENTS.
- . ALL WORK PERFORMED IN A FLOOD PLAIN SHALL COMPLY WITH THE SANTA FE COUNTY FLOOD PLAIN ORDINANCE.

- CONTELLION OF THE CONSTINUCTION OFFINATIONS.

 2. CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUCCESSFUL RECOVERY OF DISTURBED AREAS FOLLOWING RE-VEGETATION PLAN THROUGH THE FIRST GROWING SEASON AFTER COMPLETION OF THIS PROJECT. IN THE EVENT THAT THE REVECETATION PLAN CANNOT BE ACCOMPLISHED BEFORE SETTEMBER 1 DUE TO CONSTINUCTION DELAYS, AND DISTURBED SHARES MUST REMAIN EMPOSED AFTER THIS DATE, THE CONTRACTOR SHALL INSTALL TEMPORARY PROTECTION SUCH AS A COVER GOOP OR A MULCH TO PREVENT SOLL PROSON, AT NO ADDITIONAL COST TO THE OWNER. A TEMPORARY CONSTRUCTION FIGURE SHALL BE MAINTAINED AROUND THE DISTURBED AREA UNTIL THE NEW VEGETATION IS ESTABLISHED.
- AND STORY THE DISTURBED MICH UNTIL THE NEW YELETATION IS ESTABLISHED.

 A REAS WITH A SLOPE IS THAN 41 SHALL BE TREATED WITH DRILL SEEDING, WHILE SLOPES EXCEEDING 415 SHALL BE TREATED WITH DRILL SEEDING, WHILE SLOPES EXCEEDING AND SHALL INCLUDE HAND-RIANING OR CHAIN-HARROWING TO COVER SEED TO A DEPTH OF 1/4-NICH. IS LOPES EXCEEDING 315 SHALL BE TREATED WITH THE EPISK TO REPORT PROBLEMANT OF SHALL BE SEPECIFICATIONS AND IN COMPILIANCE WITH THE EPISK CONSTRUCTION SHALL BE SAYED AND STORKING HOLD TO STRUCTION SHALL BE SAYED AND STORKING DATE AT A LOCATION DESIGNATED BY THE OFFI. ANY DISTURBED AREA TO BE SEEDED WINKEN HAS LESS THAN 6 INCH TOTAL TOP SOIL DEPTH SHALL BE SUPPLEMENTED TO A 6 INCH DEPTH WITH THE STOCKPILED MATERIAL.
- SUPPLEMENTED TO A THICH DEPTH WITH THE STOCKHILLD MATERIAL.

 IN THE SEED BED SHALL BE PREPARED TO A MINIMUM #INFOL DEPTH BY TILLING WITH A DISC, HARROW, OR CHISELING TOOLS.
 ALL COMPETITIVE VEGETATION SHALL BE UPPROPTED DURING THIS PREPARATION, AND THE SOLIS HALL BE UNIFOUNLY
 WORKED TO A SMOOTH, FIRM SUPFACE FREE OF CLODS, STONES OR OTHER EXTENDEDUS MATERIALS IN GIVE OR ARGER
 THAT WOULD INTERFERE WITH SEEDING EQUIPMENT AND CERMINATION. SEED BED PREPARATION BY MICCHANICAL MEANS
 WILL NOT BE REQUIRED ON SLOPES INCEDENING, 311 FL. IN THE OPINION OF THE PROJECT MANAGER AND OF ORP, SEED BED
 PREPARATION ON THESE SLOPES IS MAPRACTICAL OR UNSARE. ALL TILLING SHALL BE PERFORMED ACROSS THE SLOPE WHEN
 PRACTICAL AND SHALL BE PERFORMED IN TWO DIRECTIONS WHENEVER ONE PASS IS INSUFFICIENT, IN THE OPINS OF PROJECTION OF THE PROJECT OF THE PROJECT OF THE OPINS OF THE PROJECT OF THE OPINS OF THE SOLIS TILLING SHALL BE PERFORMED ACROSS THE SLOPE WHEN
 TO ADEQUATELY BREAK UP THE SOLI. TILLING SHALL NOT BE PERMITTED WHEN THE WIND BLOWS AT MORE THAN TO MPH CAUSING DUST GENERATION AND MOVEMENT IN TO ADJACENT AREAS, NO WORK SHALL BE PERFORMED WHEN THE SOIL'S MOISTURF CONTENT IS LINEAVORARLE, OR THE GROUND CONDITIONS ARE NOT SUITARLE FOR TILLING.
- SEED SHALL BE UNIFORMLY APPLIED OVER THE AREA TO BE TREATED. THE CONTRACTOR'S EQUIPMENT SHALL NOT TRAVEL OWER THE SEEDED AREAS, IF RAIN OR OTHER MATURAL PHENOMENA, WHICH MAKE THE SOIL UNISUTRABLE FOR SEEDING, THE CONTRACTOR SHALL RE-ARREPARE THE SOIL AS DESCRIBED HEREBY AT NO ADDITIONAL COST TO THE OWNER, SEEDS SHALL BE DRILLED TO A MINIMUM OF Y2-INCH, UNLESS OTHERWISE INDICATED ON THESE DRAWINGS, DIRECTION OF SEEDING SHALL BE ARROSS THE SLOPES AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN PROVIDED BY THE SLOPE AND ON THE CONTROL WHEN THE SLOPE BY THE SLO
- 6. BROADCAST SEEDING SHALL ONLY BE PERFORMED IN SLOPES EXCEEDING 3% OR IN AREAS INACCESSIBLE TO THE SEED DRILL BROADCAST SEEDING SHALL BE PERFORMED WITH A ROTARY SPREADER OR A SEEDER BOX WITH CEAR FEED MECHANISM IP DRILL SEEDING IS NOT PHACTICE, RICE HOLLS OR OTHER RILLERS SHALL BE USED TO PREVENT UNEVEN SEPARATION OF LICHTER SEED. SEED BED SHALL BE LICHTLY RAKED IMMEDIATELY FOLLOWING THE SEEDING OPERATION, OF PROVIDE 3-NICHT SOLECOMEN OVER THE SEED.

F	REVISION		SANTA FE COUNTY WATER UTILITIES 424 NM 599, SANTA FE, NM 87507				
SYMBOL	DATE:	BY:	, , -	,		H	
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	09/25/2020	LMA				lŀ	
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			APPROVED BY: JOHN DUPUIS	REVIEW	ED BY: LA	I	
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			DRAWN BY: PCASAUS		1 1	ı	

COMPANY > ≪



NTA FE COUNTY ROMERO PARK WATERLINE SANT Ř

PROJECT NO DESIGNED BY WGC/FR DRAWN BY AC/WG CHECKED BY CAF OCTOBER 2024

SHEET TITLE

SANTA FE COUNTY **GENERAL NOTES** SHEET NO:

G-002

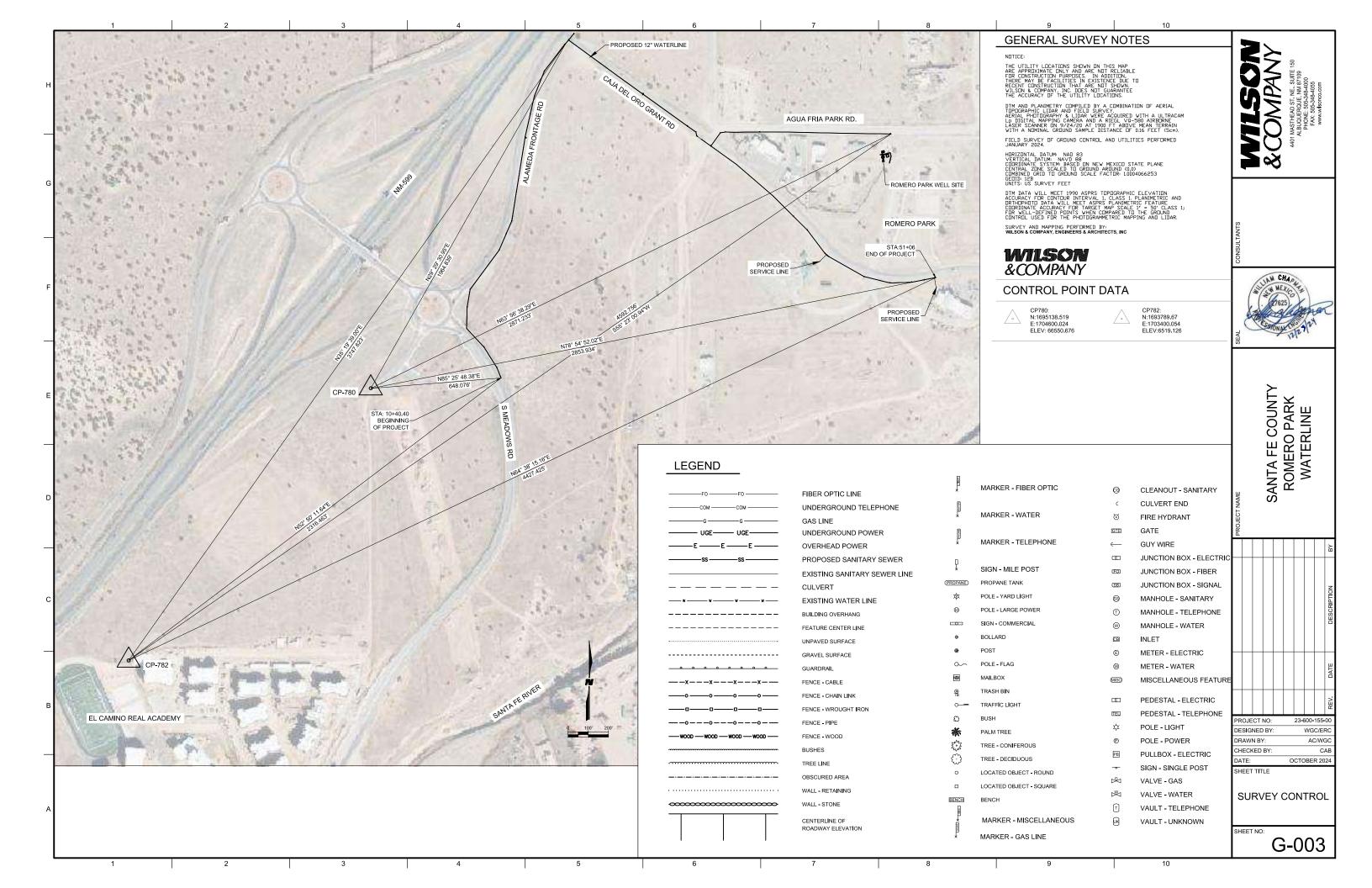
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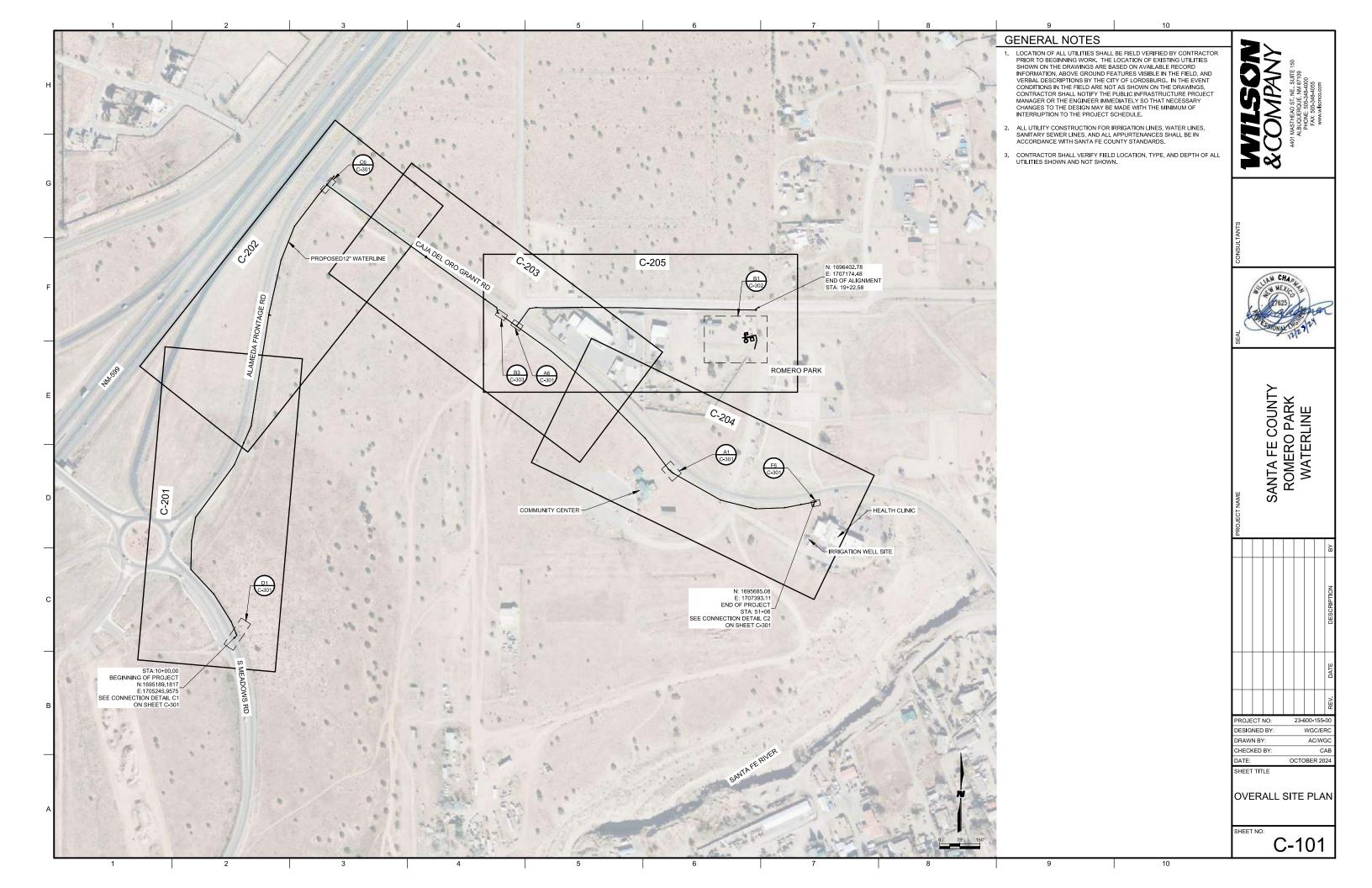
WATERINE CONSTRUCTION

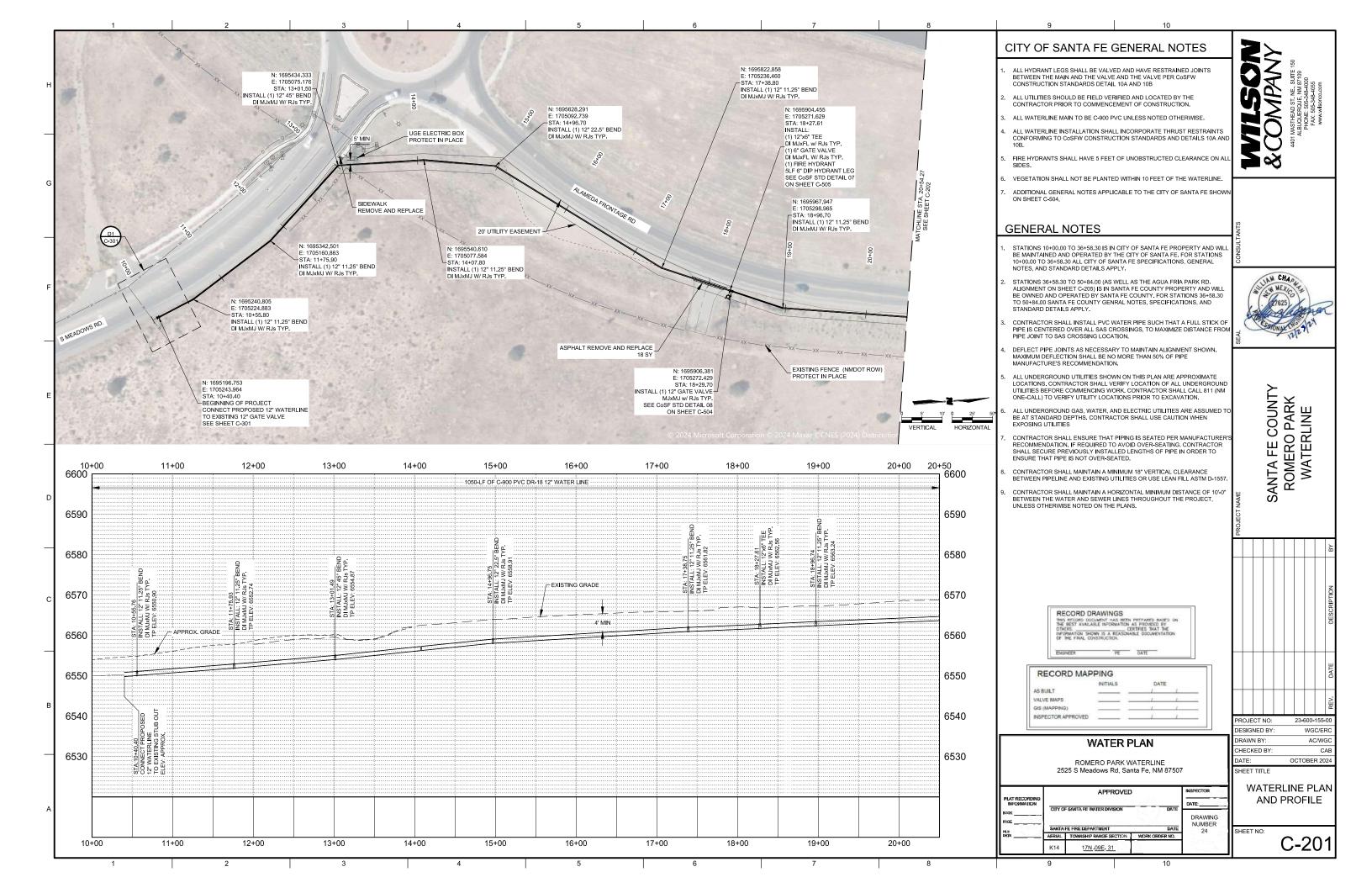
33. ALL ACCESS AND EXCAVATION PERMITS ARE TO BE OBTAINED FROM THE SANTA FE COUNTY PUBLIC WORKS DEPARTMENT. SUCH PERMITS SHALL BE REQUESTED FOR ALL CURB CUTS OR DRIVEWAYS TO BE BILLT IN COUNTY RIGHT OF WAY, DRIVEWAYS SHALL NOT BE INSTALLED PRIOR TO COUNTY'S APPRICAL OF SITE SPECIFIC PLANS AND THE COUNTRACTOR HAS PROCURED A PETMIT FROM THE COUNTY PUBLIC WORKS DEPARTMENT.

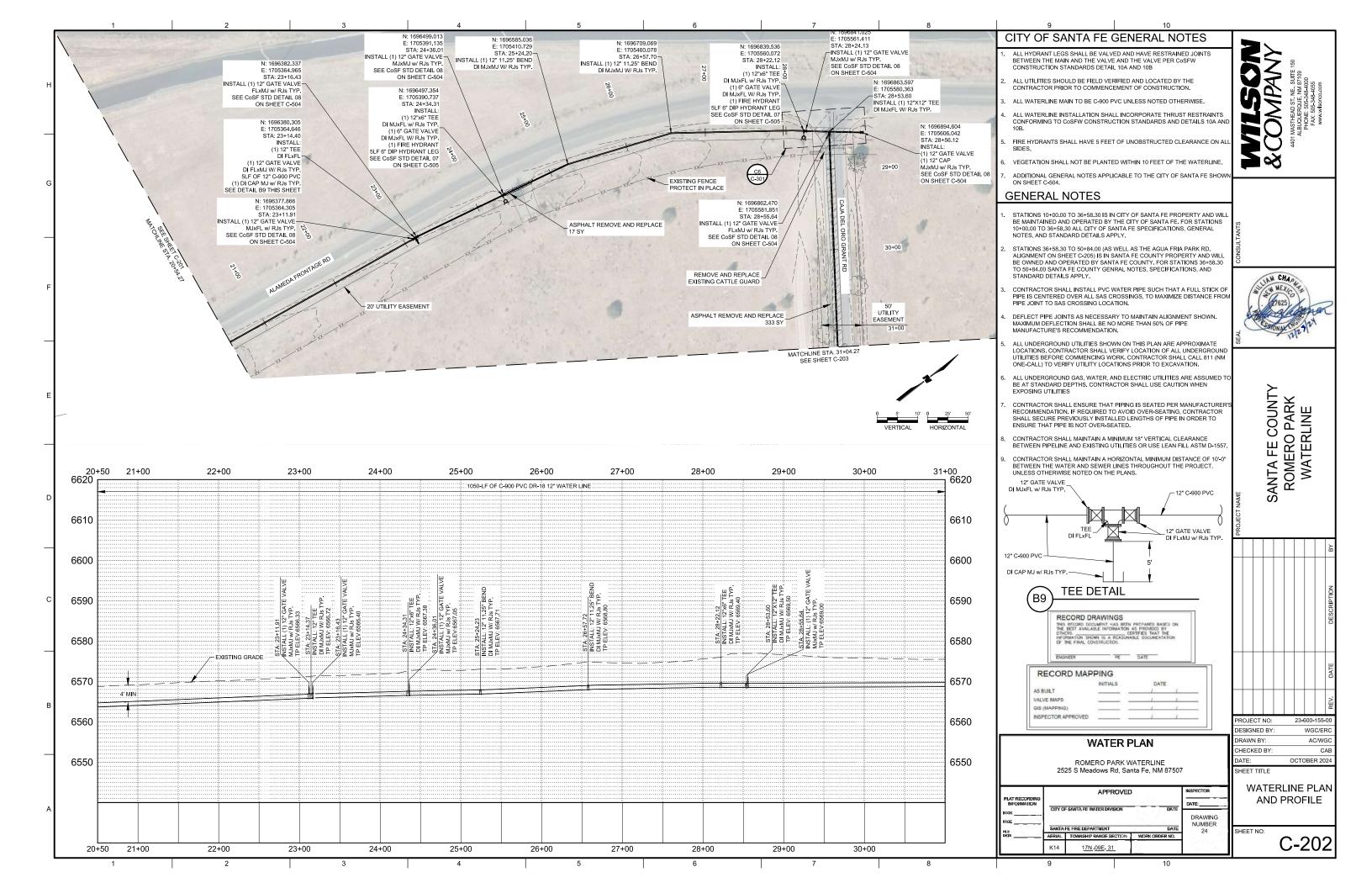
1. ALL WATER LINE AND FITTING MATERIALS AND THEIR INSTALLATION SHALL COMPLY WITH THE AMERICAN WATERWORKS ASSOCIATION (ANWA) STANDARDS, THE NEW MISICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, (NIMAPWA) 2006 EDITION, OR SUBSEQUENT REVISIONS, AND THE SANTA RE COUNTY WATER UTILITY CONSTRUCTION STANDARD AND SPECIFICATIONS MANUAL, UNLESS OTHERWISE INDICATED ON THESE DRAWINGS WHEN CONFLICT ARISES AMONG THESE, THE LATTER SHALL PREVAIL.

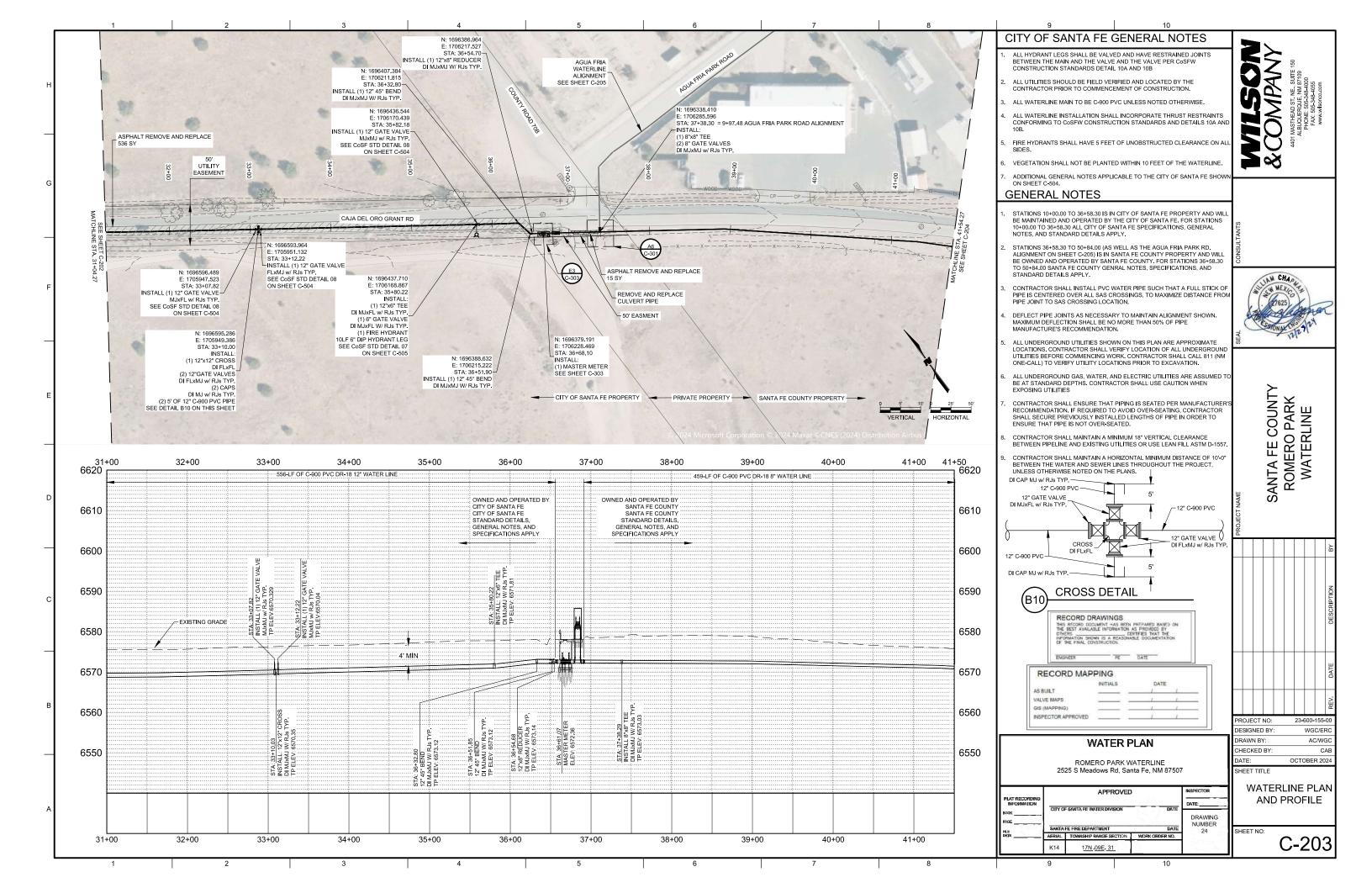
2. LOCATION OF LINES AND FITTINGS SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THESE DRAWINGS.

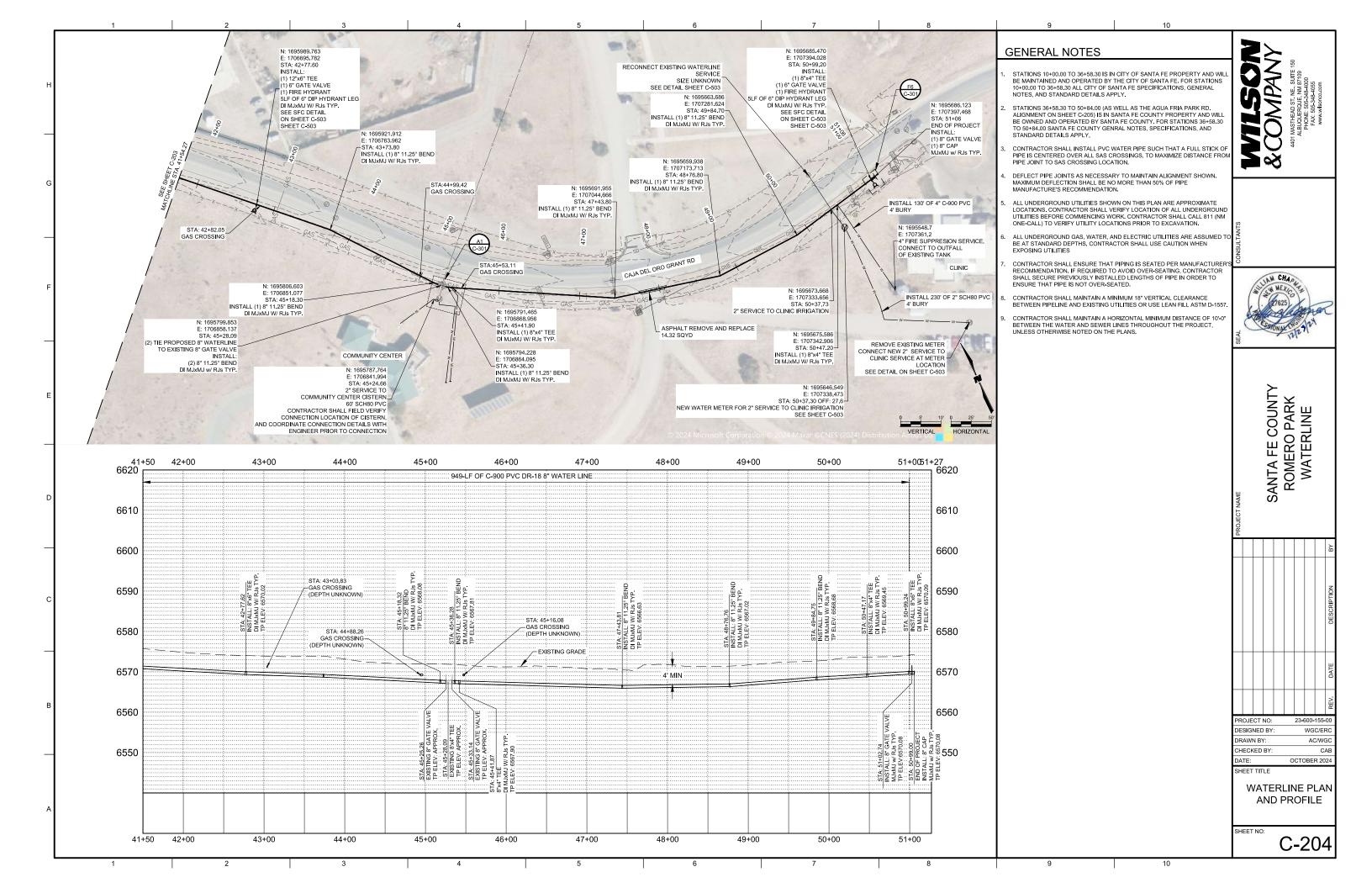


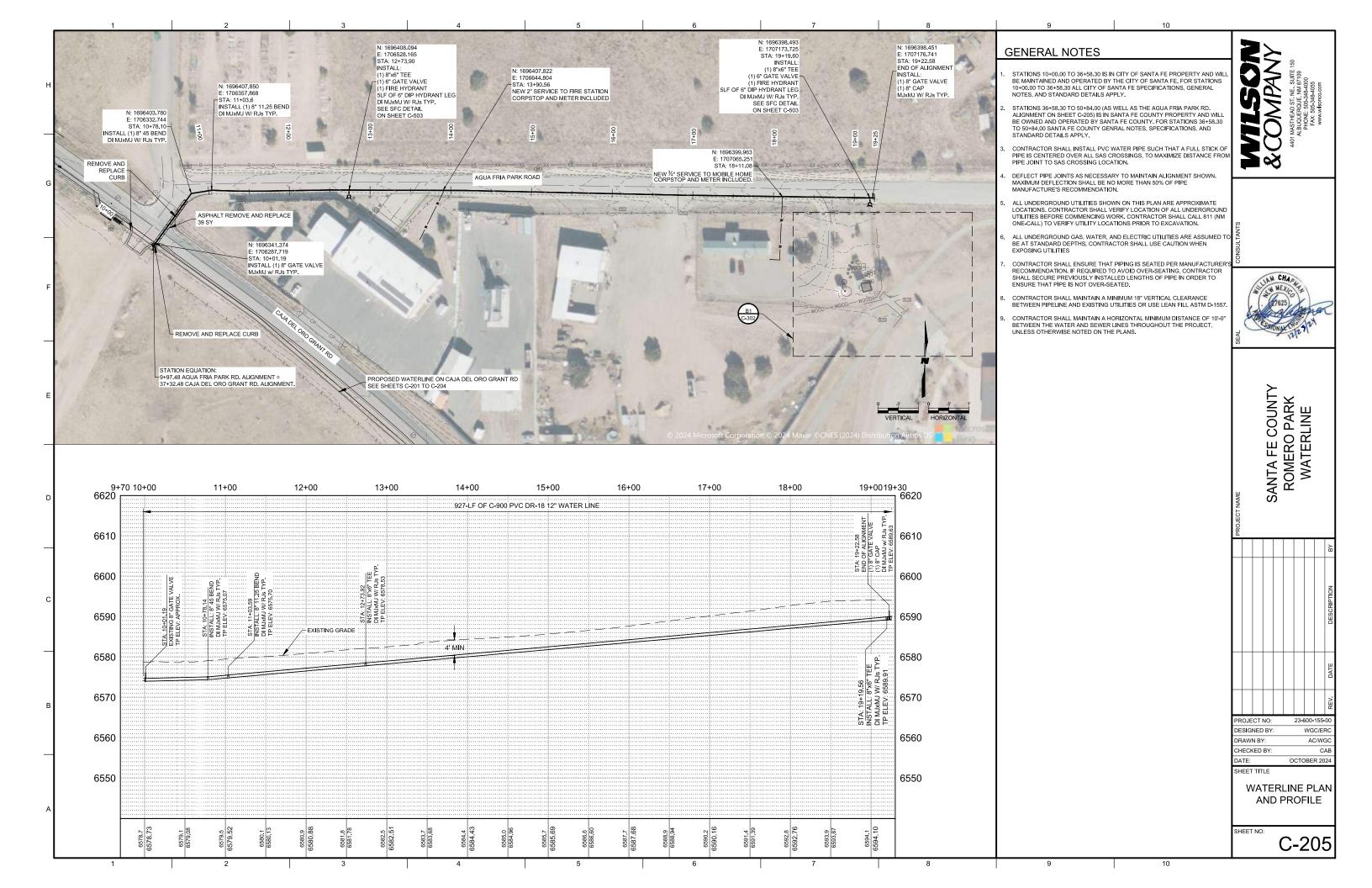


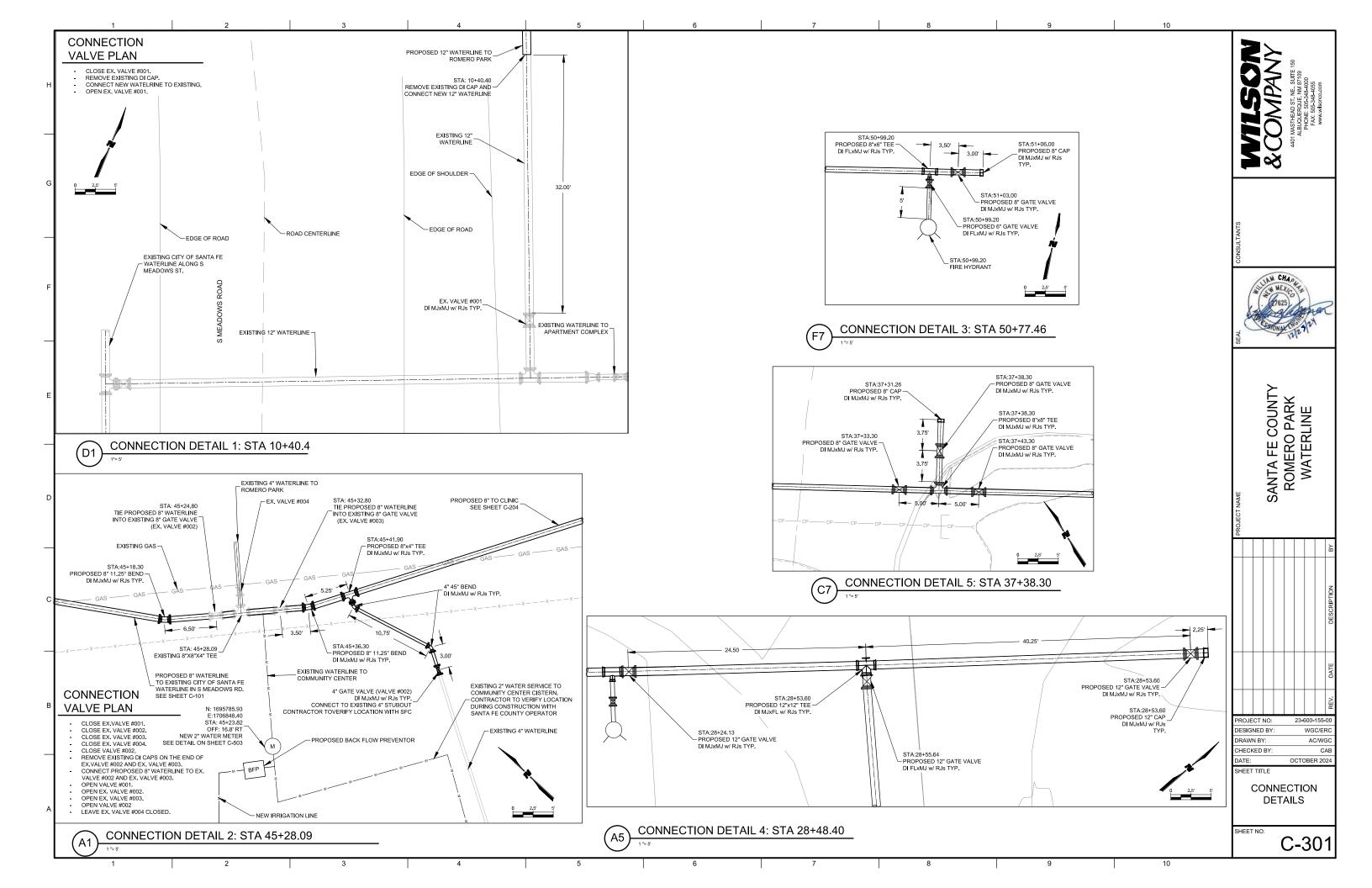


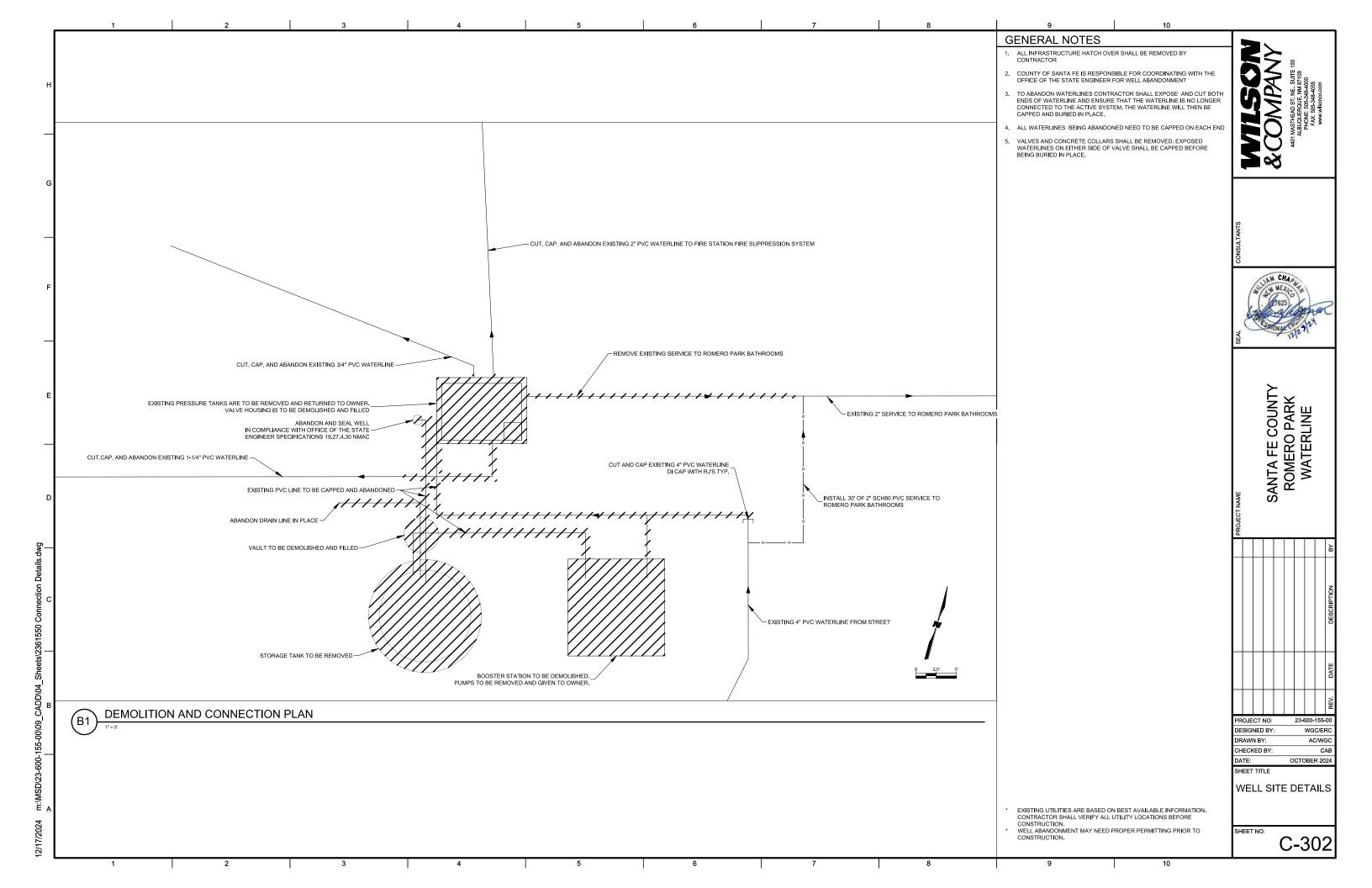


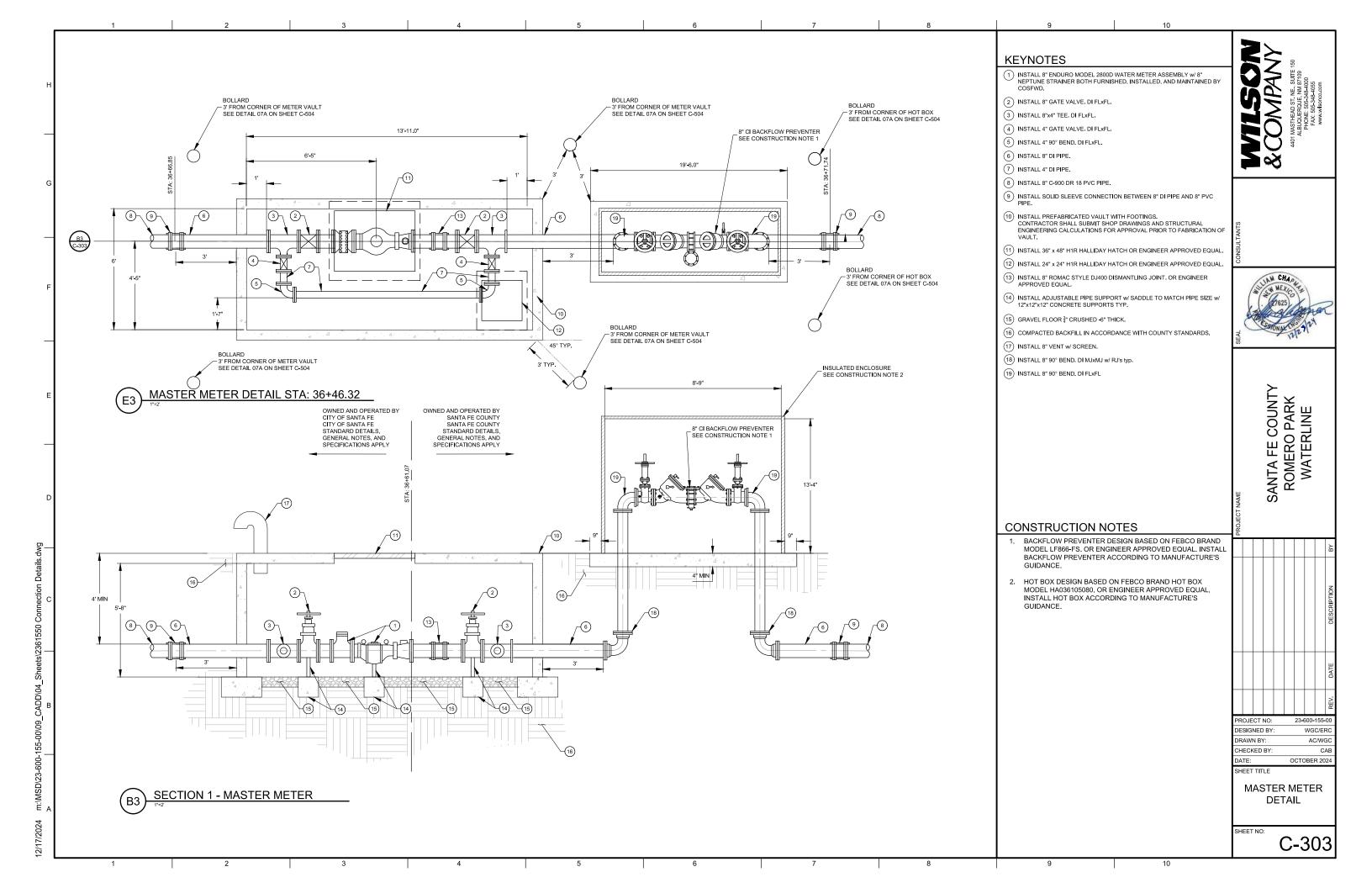












WATER LINE AND FORCEMAIN PRESSURE PIPE RESTRAINED JOINT LENGTH REQUIREMENTS-THIS PROJECT ONLY

TEST PRESSURE @ 150 PSI

LENGTHS OF PIPE TO BE RESTRAINED (APPLIES TO UNWRAPPED DUCTILE IRON AND PVC, ONLY) (2) (FEET)

	VERTICAL BEND							
TEE	DEAD	4	5°	2	22 1/2°	11 1/4°		
RESTRAINED LENGTH ALONG MAIN LINE	END OR VALVE	UPPER BEND RESTRAINT	LOWER BEND RESTRAINT	UPPER BEND RESTRAINT	LOWER BEND RESTRAINT	UPPER BEND RESTRAINT	L(

Ш		FITTING TYPE							VERTICAL BEND						
	PIPE SIZE						TEE	TEE	DEAD	45°		22 1/2°		11 1/4°	
				45° BEND	22 1/2° BEND	11 1/4° BEND		RESTRAINED LENGTH END OR VALVE		UPPER LOWER BEND BEND RESTRAINT RESTRAI		UPPER LOWER BEND BEND RESTRAINT RESTRAINT	UPPER BEND RESTRAINT F	LOWER BEND RESTRAINT	
	6"	(3)	19'	8'	4'	2'	37'	1'	42' (1)	18'	5'	9'	3'	5'	2'
	8"	(3)	25'	11'	5'	3'	52'	1'	55' (1)	23'	6'	11'	3'	6'	2'
	12"	(3)	35'	15'	7'	4'	75'	1'	78' (1)	33'	9'	16'	5'	8'	3'

(1) RESTRAINED LENGTH FOR VALVES SHALL BE PROVIDED ON BOTH SIDES OF VALVE.
(2) WHERE POSSIBLE, CONTRACTOR SHALL INSTALL FULL 20-FT JOINT OF PIPE ON EITHER SIDE OF ALL MECHANICAL JOINT VALVES, FITTINGS, AND APPURTENANCES.
FOR ALL CIRCUMSTANCES WHERE A 20-FT JOINT CAN BE UTILIZED AND THE CONTRACTOR ELECTS TO USE A SHORTER PIPE JOINT, CONTRACTOR SHALL PROVIDE,
AT CONTRACTOR'S SOLE EXPENSE, ALL NECESSARY JOINT RESTRAINTS REQUIRED BY TABLE ABOVE. NUMBER OR WEIGHT OF EXTRA JOINT RESTRAINTS SHALL NOT BE
INCLUDED IN MEASUREMENT OR PAYMENT.

THRUST RESTRAINT NOTE:

ALL BURIED VALVES, FITTINGS, AND APPURTENANCES SHALL BE MECHANICAL JOINT-TYPE UTILIZING "MEGA-LUG" STYLE MECHANICAL JOINT RESTRAINTS IN CONJUNCTION WITH "MEGA-LUG" PIPE BELL-HARNESS RESTRAINTS WHEN ADEQUATE RESTRAINED LENGTH CAN BE OBTAINED. IN THE EVENT ADEQUATE RESTRAINED LENGTHS CANNOT BE OBTAINED, CONTRACTOR SHALL IMMEDIATELY CONTACT ENGINEER FOR DETERMINATION OF APPROPRIATE ACTION TO BE TAKEN. THE EBAA IRON "RESTRAINED LENGTH CALCULATION" PROGRAM (VERSION 5.4) HAS BEEN USED TO DETERMINE MINIMUM RESTRAINED LENGTHS SHOWN IN TABLE ABOVE. THE FOLLOWING GENERAL ASSUMPTIONS APPLY TO ALL CALCULATIONS:

TRENCH TYPE--3 (ACTUAL TRENCH TYPE SHALL BE PER DETAILS FOR THIS PROJECT.) -SM (SILTY SANDS) -1.5 TO 1

TYPICAL BURY DEPTH:
4" THROUGH 12" DIAMETER PIPE DEPTH AS REQUIRED

CONTRACTOR MAY SUBMIT SUBSTITUTE REDUCED RESTRAINED JOINT LENGTHS IF SOIL AND DEPTH OF BURY CONDITIONS WARRANT. CONTRACTOR SHALL PROVIDE SOIL TEST RESULTS AND APPROPRIATE CALCULATIONS TO SUPPORT THE LENGTH REDUCTION. SOIL TESTING AND CALCULATIONS SHALL BE PERFORMED AT CONTRACTOR'S SOLE EXPENSE.

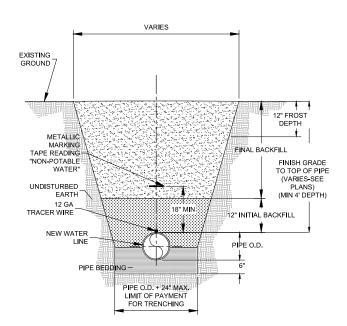
- GENERAL NOTES:

 1. ALL THRUST CONTROL BY RESTRAINED JOINTS ONLY UNLESS DIRECTED BY ENGINEER, AND FOR "SPECIAL" SITUATIONS SPECIFIED BY THE SANTA FE COUNTY UTILITIES.
- 2. PIPE SIZE GREATER THAN 14" Ø REQUIRES DESIGN BY ENGINEER TO BE SUBMITTED TO THE SANTA FE COUNTY UTILITIES FOR
- 3. CONCRETE BLOCKING PER SEC. 101 EXTERIOR CONCRETE, f'c=3000 psi @ 28 DAYS.

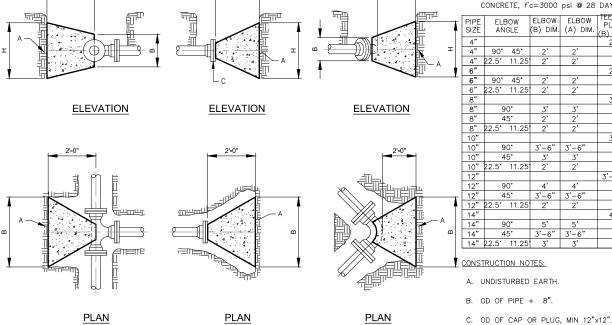
ELBOW ELBOW TEE OR TEE OR PLUG

SIZE	ANGLE		(B) DIM.	(A)	DIM.	(B) DIM.	(H) DIM.					
4"						2'	1'					
4"	90°	45°	2'	2'								
4"	22.5°	11.25	2'	2' 2'								
6"						2'	2'					
6"	90°	45°	2'	2' 2'								
6"	22.5°	11.25	2'	2'								
8"						3'	3'					
8"		0.	3'	3'								
8"	4	5*	2'	2' 2'								
8"	22.5°	11.25	2'	2'								
10"						3'	3'					
10"	9	0.	3'-6"	3'-6	5 "							
10"		5 *	3'	3' 2'								
	22.5°	11.25	2'	2'								
12"						3'-6"	3'-6"					
12"	9	0.	4'	4'								
12"	4	5°	3'-6"	3'-								
12"	22.5 °	11.25	2'	2'								
12" 14"						4'	4'					
14"	90.		5'	5'								
14"	4	5°	3'-6"	3'-	3 "							
14"	22.5°	11.25	3'	3'								
CONST	RUCTI	CONSTRUCTION NOTES:										

- A. UNDISTURBED EARTH.
- B. OD OF PIPE + 8".
- D. USE ONLY FOR EXCEPTIONAL SITUATIONS, USE
- OF MECHANICAL RESTRAINTS TAKES PRECEDENCE.







<u>PLAN</u> <u>PLAN</u> <u>PLAN</u>

USE CONCRETE THRUST BLOCK ONLY UPON APPROVAL OF THE ENGINEER



C-501

OCTOBER 2024



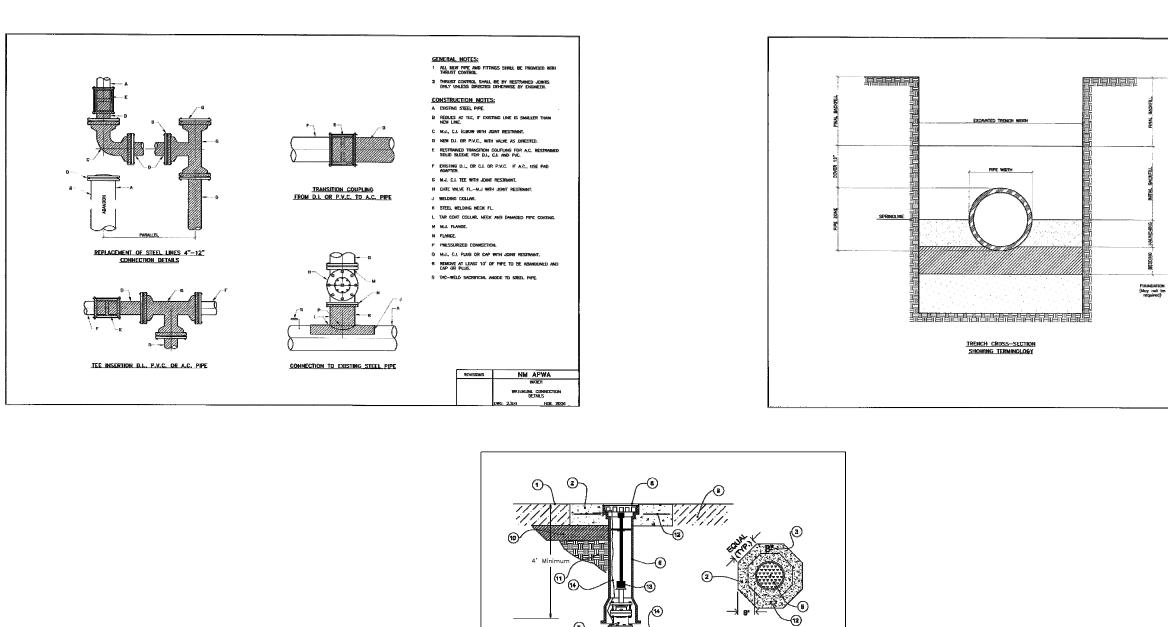
SANTA FE COUNTY ROMERO PARK WATERLINE

ROJECT NO DESIGNED BY WGC/ERG AC/WGC RAWN BY CHECKED BY

SHEET TITLE

SANTA FE COUNTY STANDARD DETAILS

SHEET NO:



2 8" MIN DEPTH - 3000 PSI CONCRETE PAD 3 STAMPED LINE SIZE (2 SIZES IF REDUCINE)

STAMPED ARROW INDICATING ISOLATION DIRECTION(?

SANTA FE COUNTY UTILITIES

5 S8% COMPACTED BACK FILL 1,2" MINIMUM DEPTH

G 5-1/4 SCREWTYPE ADJUSTABLE VALVE BOX

7 GATE VALVE

12/17/2024

10 SUBGRADE

12 #4 REBAR

44 COMPACTED BACKFILL

14 #12 TRACING WIRE

43 EXTENSION BAR IF NECESSARY

VALVE & VALVE BOX



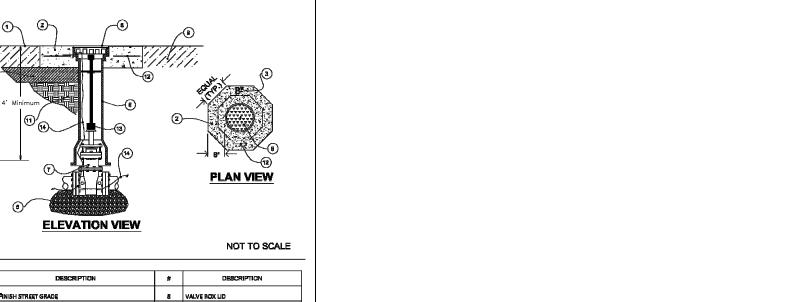
OCTOBER 2024

C-502

SHEET TITLE

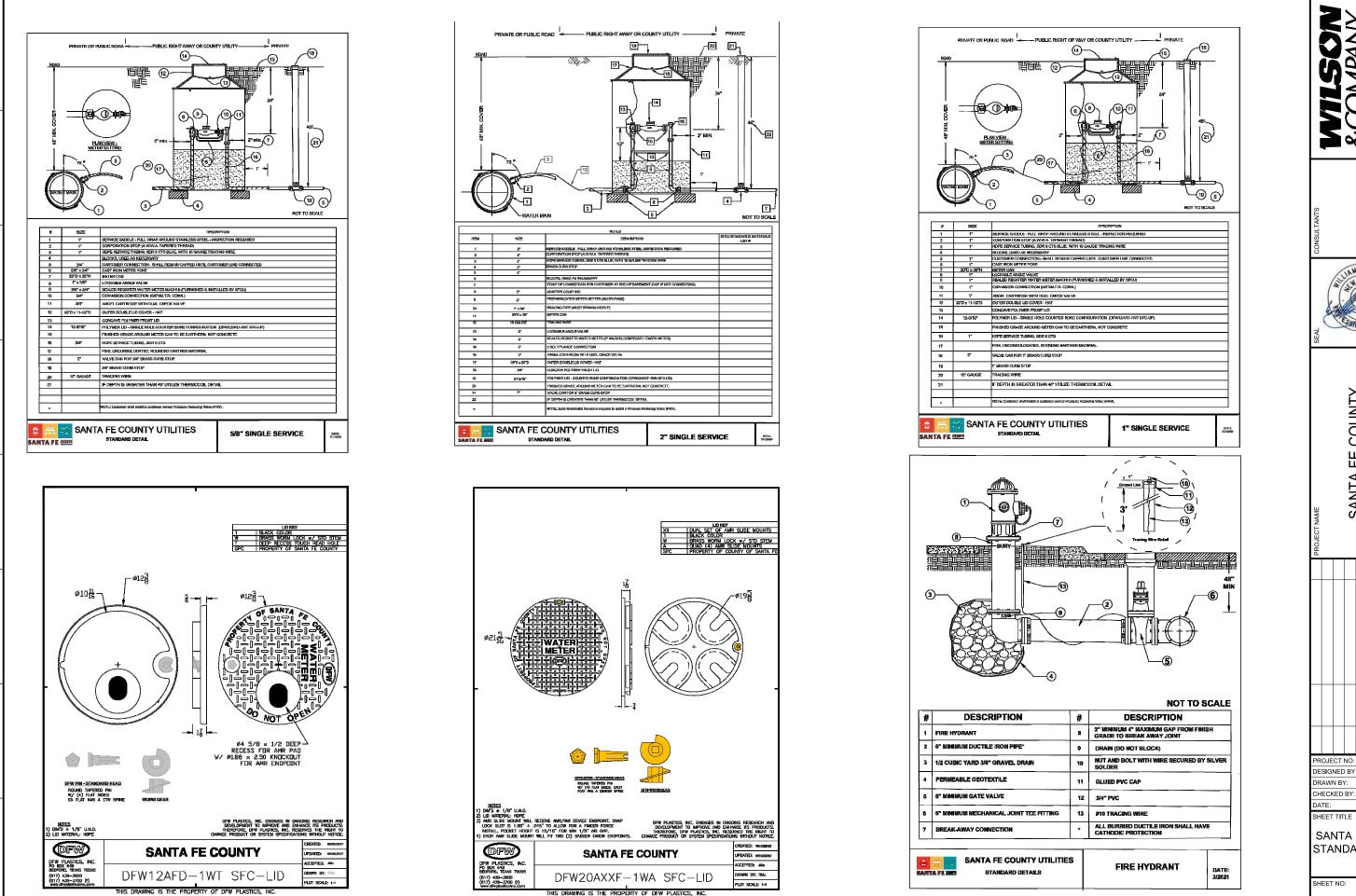
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SANTA FE COUNTY STANDARD DETAILS



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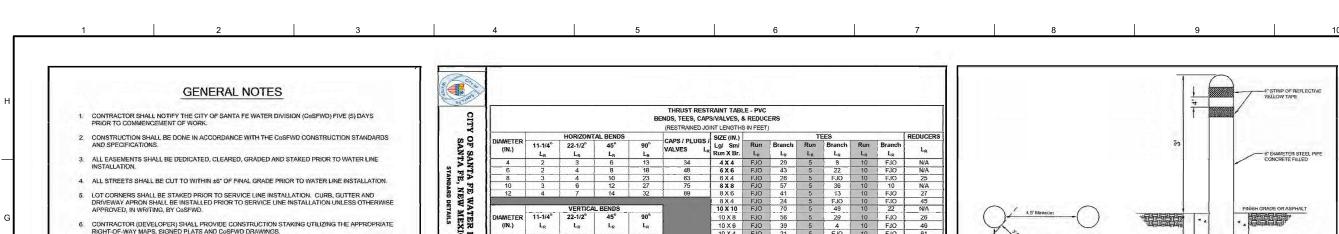


SANTA FE COUNTY ROMERO PARK WATERLINE

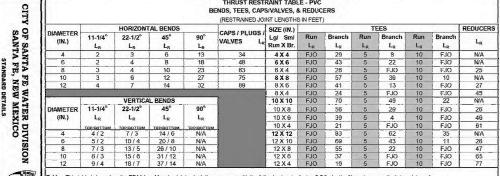
WGC/ERC AC/WGC CAB OCTOBER 2024

SANTA FE COUNTY STANDARD DETAILS

C-503



 CONTRACTOR (DEVELOPER) SHALL PROVIDE CONSTRUCTION STAKING UTILIZING THE APPROPRIATE RIGHT-OF-WAY MAPS, SIGNED PLATS AND COSFWD DRAWINGS. 8. CONTACT NEW MEXICO ONE CALL AT BII TWO (2) WORKING DAYS IN ADVANCE OF CONSTRUCTION FOR UTILITY SPOTS, 9. PRESSURE REGULATORS SHALL BE INSTALLED ON ALL SERVICES DOWNSTREAM FROM THE METER. 18. 4 FEET COVER TO TOP OF PIPE SHALL BE MAINTAINED ON ALL WATER MAINS AND SERVICES. 11. CONTRACTOR SHALL SUBMIT AS-BUILT CONSTRUCTION PACKET WITHIN FIVE (5) DAYS OF COMPLETION OF CONSTRUCTION INCLUDING: VALVE TIES, AS-BUILT DRAWINGS (INCLUDING, BUT NOT UNINTED TO: PITTING-TO-PITTING MEASUREMENTS, SERVICE-TO-SERVICE MEASUREMENTS, CONTROL OF MAIN INTO CENTER OF SERVICE MEASUREMENTS, LENGTH OF MAIN INSTALLED, FITTINGS INSTALLED, ETC.) AND POTABILITY RESULTS. 12. ALL VALVE BOXES SHALL BE BROUGHT UP TO GRADE OF THE FINAL PAVING MATERIAL SO THAT THE 13. FIRE HYDRANTS SHALL BE NUMBERED USING REFLECTIVE NUMERALS. THE REFLECTIVE NUMERALS SHALL BE OBTAINED BY THE CONTRACTOR FOR THE COSFWD FIELD REPRESENTATIVE AT THE TIME THE NOTICE TO PROCED (NTP) IS ISSUED. NUMBERS SHALL BE LEGIBLE FROM THE ROAD. PRIOR TO INSTALLING NUMBERS, FIRE HYDRANTS SHALL BE PAINTED. 14. A MECHANICAL RESTRAINT SYSTEM SHALL BE LITILIZED ON FITTINGS AND PIPING FOR THRUST RESTRAINT. CONCRETE THRUST BLOCKING SHALL BE USED ONLY FOR SPECIAL CONDITIONS (E.G., CAPS WHERE MAIN WILL BE EXTENDED IN THE FUTURE) AS SPECIFICALLY APPROVED BY CoSFWD. 10C



ble: This table is based on the EBAA kon Megalug joint calculations gragnam with the following input criteria: 3.5 ft. depth of bury (conservative); trench type 4 lues for verticle bends provided assume 3.5 feet of cover on the low side.

nimum Restrained Length: A minimum restrained length of 5.ft. from the fitting joint is recommended. Vertical offsets shall be completely restrained between the top tical fitting and the bottom vertical fitting.

FJO: Fitting Joint Only -- This includes at least a 1 ft, length of restrained pipe beyond the fitting joint

Plpe Lengths: Piping shall be laid out to minimize pipe joints near fittings. Wherever possible, full 20 ft. pipe lengths shall be utilized when connecting to fittings or valves. No pipe bell joints shall be used where fittings are less than 20 ft, apart.



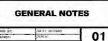
SANTA FE, NEW MEXICO

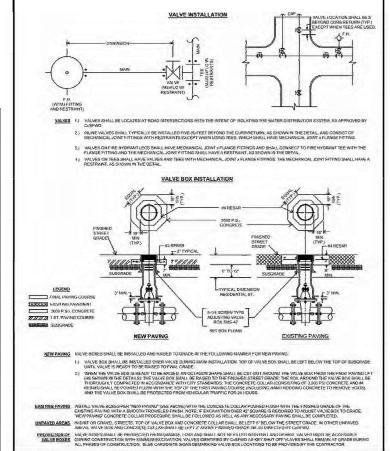
APPROVED UTILITY CONTRACTOR.

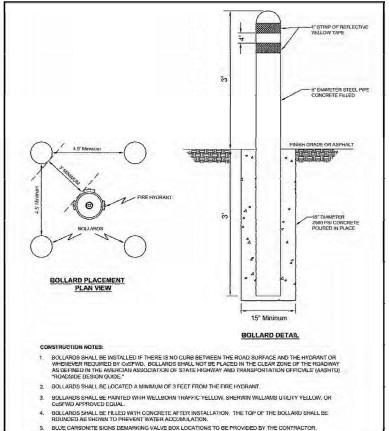


15. ANY RELD CHANGES TO THESE PLANS REQUIRE APPROVAL OF BOTH THE DESIGN ENGINEER AND

16. WORK ON COSEWD FACILITIES SHALL NOT BEGIN UNTIL COSEWD HAS ISSUED A NTP TO THE







CITY OF SANTA FE WATER DIVISION

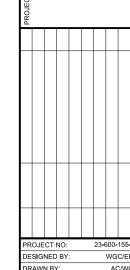
SANTA FE. NEW MEXICO

FIRE HYDRANT

BOLLARD BETAIL

07A





WGC/FRC RAWN BY AC/WGC CHECKED BY CAF OCTOBER 2024

SHEET TITLE

CITY OF SANTA FE STANDARD DETAILS

SHEET NO:

C-504

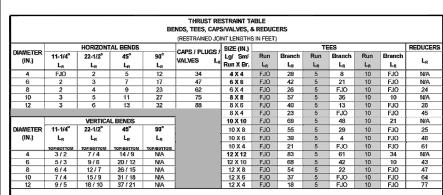


Table: This table is based on the EBAA fron Megalug joint calculations program with the following input criteria: 3.5 ft. depth of bury (conservative); trench type 4; PVC pip rial: GM soil type: 150 psi test pressure: 1.5 safety factor. Specific calculations for restrained lengths are required for conditions not covered by this table

FJO: Fitling Joint Only -- This includes at least a 1 ft. length of restrained pipe beyond the fitting joint

CITY OF SANTA FE WATER DIVISION SANTA FE, NEW MEXICO



VALVE & VALVE BOX INSTALLATION

num restrained length of 5 ft. from the fitting joint is recommended. Vertical offsets shall be completely restrained between the top

Vertical Offset: Use 11-1/2° bends or 22-1/2° bends wherever possible due to the shorter restrained length requirements

Caps/Plugs: Concrete blocking may be required by CoSFWD on a case-by-case basis in addition to mechanical restraint

Pipe Lengths: Piping shall be laid out to minimize pipe joints near filtings. Wherever possible, full 20 ft. pipe lengths shall be utilized when connecting to fittings or valves.