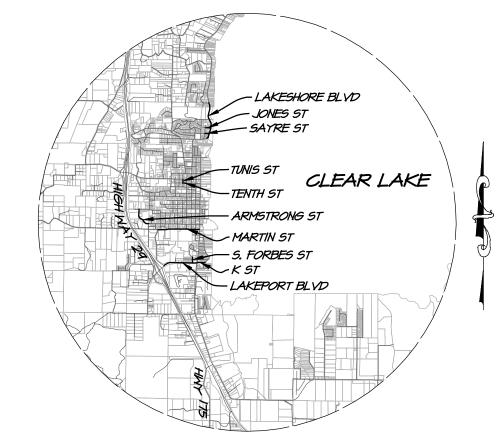


SCALE: |" = 600'

SYMBOL LEGEND

	EXISTING	F	ROPOSED
\wedge	SURVEY CONTROL STATION		STORM DRAIN PIPE
∅	FOUND		DRAIN INLET
©	BRASS PIN	DS =	DOWNSPOUT
	FLOW LINE	****	LEVEL SPREADER
×	FENCE	Xy-X	TOP / TOE DAYLIGHT
TREE ()	TREE (AS NOTED)		RETAINING WALL
	WELL		CONSTRUCTION FENCE
(5)	SSMH		SILT FENCE
FH	(E) FIRE HYDRANT		FLUSH CURB
₩	(E) GATE VALVE		VERTICAL CURB
LIFM	(E) LIFM		CURB & GUTTER
SSFM	(E) SSFM		CURB INLET
55	(E) SANITARY SEWER		SANITARY SEWER
	(E) RECYCLED WATER		SANITARY SEWER FORCED MAIN
— м —	(E) WATER	— м —	DOMESTIC WATER
		<i>5500</i> ●	CLEANOUT
		FH 🖜	FIRE HYDRANT
		•	GATE VALVE
		⊕ ⊕	PIV & FDC



VICINITY MAP SCALE: |" = 6000'

PROJECT INFORMATION

CLIENT: CITY OF LAKEPORT 225 PARK STREET LAKEPORT, CA 95453 CONTACT: PAUL HARRIS

SITE ADDRESSES: LAKESHORE BLVD FAIRVIEW WAY TENTH & TUNIS STREETS ARMSTRONG BLVD MARTIN ST LAKEPORT BLVD & K ST

CIVIL ENGINEER: RSA^t NAPA, CA 94559

SURVEY NOTES

- THIS SURVEY WAS PERFORMED BY RSA+ USING MOBILE LIDAR SCANNING JULY, 2023. ANY CRITICAL CONFORM LOCATIONS SHOULD BE CONFIRMED FOR DESIGN AND CONSTRUCTION. CONTOURS ARE SHOWN EVERY ONE FOOT (I'), HIGHLIGHTED EVERY FIVE FEET (5').
- 2. HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83) 2011 EPOCH BASED UPON G.P.S. OBSERVATIONS ON NETWORK UTILIZING CONTINUALLY OPERATING REFERENCE STATION (C.O.R.S.) INFORMATION FROM THE CALIFORNIA SPATIAL REFERENCE CENTER (C.S.R.C.).

VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD29), PER THE CITY OF LAKEPORT BENCHMARK MAP POINTS: LAKEPORT BLVD, ARMSTRONG BLVD, & MARTIN ST: #24, EL: 1345.34' TENTH & TUNIS ST: #51, EL: 1348.05' LAKESHORE BLVD, FAIRVIEW WAY: #81, EL: 1338.50'

- 3. A BOUNDARY SURVEY WAS NOT PERFORMED. PARCEL LINES SHOWN PER LAKE COUNTY GIS. SHOWN FOR REFERENCE ONLY AND ARE TO BE CONSIDERED APPROXIMATE.
- 4. TREES WERE NOT A PART OF THIS SURVEY.

ABBREVIATIONS

	70014	- 7 1/ 1/10	
AB	AGGREGATE BASE ROCK	LLA	LOT LINE ADJUSTMENT
AC	ASPHALTIC CONCRETE	<i>LP</i>	LOW POINT
BGL	BOTTOM OF GRAVEL LAYER	MH	MANHOLE
BOT	BOTTOM	OC	ON CENTER
CB	CATCH BASIN	OR	OFFICIAL RECORD
Ł	CENTERLINE	Ľ	PROPERTY LINE
Cl	CURB INLET	(P)	PROPOSED NEW WORK
00	CLEANOUT	PCC	PORTLAND CEMENT CONCRETE
CONF	CONFORM	PIV	PRESSURE INDICATOR VALVE
DDCV	DOUBLE DETECTOR CHECK	PUE	PUBLIC UTILITY EASEMENT
	VALVE	PW	PROCESS WATER
DW	DOMESTIC WATER	PWW	PROCESS WASTE WATER
ELEV	ELEVATION	R	RADIUS
EP .	EDGE OF PAVEMENT	RPBP	REDUCED PRESSURE BACKFLOW
EV	ELECTRIC VEHICLE		PREVENTER
EM	EACH WAY	ROW	RIGHT OF WAY
EX / (E)	EXISTING	RW	RECYCLED WATER
FD	FOUND	5	SLOPE (FEET/FOOT)
FDC	FIRE DEPARTMENT	S.A.D.	SEE ARCHITECTS DRAWINGS
	CONNECTION	SD	STORM DRAIN
F	FINISH FLOOR	<i>SDCO</i>	STORM DRAIN CLEANOUT
F <i>G</i>	FINISH GRADE	SF	SQUARE FOOT
5H	FIRE HYDRANT	S.L.A.D.	SEE LANDSCAPE ARCHITECTS
Ē	FLOW LINE		DRAWINGS
FW .	FIRE WATER	<i>55</i>	SANITARY SEWER
9B	GRADE BREAK	<i>5500</i>	SANITARY SEWER CLEANOUT
9V	GATE VALVE	SSFM	SANITARY SEWER FORCED MAIL
HP	HIGH POINT	STA	STATION
HWL	HIGH WATER LEVEL	TC	TOP OF CURB
/NV	INVERT	TGL	TOP OF GRAVEL LAYER
P	IRON PIPE	TSL	TOP OF SOIL LAYER
W	IRRIGATION WATER	TYP	TYPICAL
LF	LINEAL FEET/FOOT	VCP	VITRIFIED CLAY PIPE
LIFM	LAKE INTAKE FORCE MAIN	WM	WATER METER

SHEET INDEX

COVER SHEET CI.I C2.0 LAKESHORE BLVD PLAN & PROFILE C2.1 LAKESHORE BLVD PLAN & PROFILE C2.2 LAKESHORE BLVD PLAN & PROFILE C2.3 LAKESHORE BLVD PLAN & PROFILE C2.4 SAYRE ST. PLAN & PROFILE C2.5 JONES ST. PLAN & PROFILE FAIRVIEW WAY PLAN & PROFILE C3.0 C3.1 FAIRVIEW WAY PLAN & PROFILE *C3.2* FAIRVIEW WAY PLAN & PROFILE TUNIS ST. PLAN & PROFILE C4.0 C4.1 TENTH ST. PLAN & PROFILE C5.0 ARMSTRONG ST. PLAN & PROFILE ARMSTRONG ST. PLAN & PROFILE C6.0 MARTIN ST. PLAN & PROFILE MARTIN ST. PLAN & PROFILE C6.2 MARTIN ST. PLAN & PROFILE C6.3 MARTIN ST. PLAN & PROFILE C6.4 MARTIN ST. PLAN & PROFILE C7.0 LAKEPORT BLVD PLAN & PROFILE C7.1 LAKEPORT BLVD PLAN & PROFILE C7.2 LAKEPORT BLVD PLAN & PROFILE C7.3 LAKEPORT BLVD & K ST. PLAN & PROFILE C7.4 FORBES ST. PLAN & PROFILE CB.0 DETAILS C8.1 **DETAILS** CB.2 DETAILS C8.3 **DETAILS** C8.4 DETAILS

C8.5

CB.6

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CMENT

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MAR. 12, 2024 DRAWN

DESIGNED CHECKED JOB NO. 4123018.1

1 OF 32 SHEETS

DETAILS

DETAILS

REPLACED AT THE CONTRACTOR'S EXPENSE.

MAX.

SIZE

SURFACES SHALL RECEIVE A UNIFORM MEDIUM BROOM FINISH.

IB INCHES WITH 2 MINIMUM PER LOCATION REQUIRED.

LABORATORY DENSITY AND CT 231 OR ASTM D6938.

AGGREGATE STRENGTH

FOLLOWS:

FACILITY TYPE

SIDEWALK

CURB/CURB & GUTTER

DRIVEWAY

CROSS GUTTER

SPECIFICATIONS, GRADE 40 OR 60.

MIXED INTO THE CONCRETE.

TO MATCH CONCRETE SURFACE.

MINIMUM WIDTH SHALL BE 48 INCHES.

BUS STOP

THESE NOTES ARE APPLICABLE TO ALL CONCRETE CONSTRUCTION INCLUDING CURB; CURB & GUTTER;

2. ALL CONCRETE SHALL BE JOINTED PER STANDARD PLAN 209, DEEPENING OF JOINTS BY SAW CUTTING

24 HOURS AFTER PLACEMENT. CONCRETE WHICH HAS UNCONTROLLED CRACKING (WITHIN I YEAR OF

INSTALLATION) DUE TO FAILURE TO COMPLY WITH JOINTING REQUIREMENTS SHALL BE REMOVED AND

CONCRETE

(PSI)

2500

3000

STEEL REINFORCEMENT SHALL CONFORM TO SECTION 52 OF THE 2010 CALTRANS STANDARD

6. UNLESS OTHERWISE APPROVED IN WRITING BY THE CITY ENGINEER OR BUILDING OFFICIAL, CONCRETE

FIBERMESH SHALL BE POLYPROPYLENE FIBERS OR EQUIVALENT, 3/4" MINIMUM LENGTH, AND THOROUGHLY

REBAR DOWELS ARE REQUIRED AT ALL COLD JOINT OR TIES TO EXISTING CONCRETE FACILITIES. IS" X

BE EMBEDDED A MINIMUM & INCHES INTO THE EXISTING CONCRETE SIDEWALKS, CURBS, GUTTER, CROSS

GUTTERS, BUS STOPS, ETC. THE DOWEL SHALL BE FULLY INSERTED AND CEMENTED IN PLACE WITH 2-PART

EPOXY (SIMPSON SET EPOXY ADHESIVE) OR EQUIVALENT. DOWELS SHALL HAVE A MAXIMUM SPACING OF

FINISH CONCRETE ADJACENT TO EXPANSION JOINTS WITH AN EDGER TOOL. EXPANSION JOINTS SHALL BE

PLACED AT CURB RETURNS, INTERIOR CORNERS OF ISLANDS, AND EVER 40 LINEAL FEET. SHAPE FILLER

EXPANSION JOINTS PER STD. DETAIL 209, CONSISTING OF 1/4 INCH THICK PREFORMED JOINT FILLER.

SUBGRADE PREPARATION SHALL CONSIST OF SCARIFYING: MOISTURE CONDITIONING TO +/- 2% OF

IO. AGGREGATE BASE SHALL BE PLACED TO THE DEPTH INDICATED ON THE APPLICABLE STANDARD PLAN. AGGREGATE BASE SHALL BE CLASS 2 AGGREGATE BASE PER CALTRANS STANDARD SPECIFICATION

SECTION 26. THE AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO OPTIMUM OR ABOVE AND

ALL CURB RAMPS SHALL COMPLY WITH MOST CURRENT CALIFORNIA ACCESSIBILITY REQUIREMENTS AND

CALTRANS STANDARD PLAN REQUIREMENTS. TRUNCATED DOMES SHALL BE ARMOR-TITLE BRICK RED

COLOR UNLESS AN EQUAL PRODUCT IS APPROVED IN WRITING BY THE CITY ENGINEER OR BUILDING

12. THE GAP BETWEEN THE SUBGRADE AND BOTTOM OF THE FOAM BOARDS SHALL NOT EXCEED 2 INCHES.

14. WHERE THE SIDEWALK IS BEING REPLACED DUE TO TREE ROOT DAMAGE, SPECIAL CONSTRUCTION IS

WITH THE REBAR EXTENDING THROUGH THE EXPANSION JOINT MATERIAL.

REQUIRED. CONCRETE ELEVATION ADJUSTMENTS SHALL BE APPROVED BY THE CITY ENGINEER OR

BUILDING OFFICIAL PRIOR TO THE WORK BEING PERFORMED. AGGREGATE BASE SHALL BE REPLACED

WITH COARSE SAND. NO. 3 LONGITUDINAL REINFORCEMENT SHALL BE PLACED ON 16-INCH CENTERS. THE

FIBERMESH SHALL BE EXTENDED TO A MINIMUM OF 15 FEET TO EACH SIDE OF THE TREE. THE MAXIMUM LONGITUDINAL SIDEWALK SLOPE SHALL BE 4.5%, EXPANSION JOINTS SHALL BE CENTERED ON THE TREES

REINFORCEMENT SHALL BE EXTENDED TO A MINIMUM OF 15 FEET TO EACH SIDE OF THE TREE. IN ADDITION.

MUSHROOM CONCRETE EXCRETED UNDER THE FORMS SHALL BE REMOVED PRIOR TO BACKFILLING.

I3. AT TREES OR OTHER OBSTRUCTIONS, A MINIMUM WIDTH OF 42 INCHES SHALL BE MAINTAINED BETWEEN THE

EDGE OF THE SIDEWALK AND THE OBSTRUCTION. IF THE OBSTRUCTION IS WIDER THAN IZ INCHES, THE

COMPACTED TO 90% TO 95% RELATIVE COMPACTION. COMPACTION SHALL BE PER ASTM DI557 OR CT 216

OPTIMUM AND COMPACTING THE TOP 6 INCHES OF NATIVE MATERIAL TO 90% TO 95% RELATIVE

1/2" DEFORMED BAR DOWELS. DOWELS MAY BE WET SET INTO CONCRETE BETWEEN PLACEMENTS OR SHALL

SIDEWALKS (STD. PLAN 205); DRIVEWAYS (STD. PLAN 210); CROSS GUTTERS (STD. PLAN 218); BUS PADS

(STD. PLAN 2II); OR OTHER MISCELLANEOUS SURFACE CONCRETE IMPROVEMENTS IN THE CITY RIGHT OF

SHALL BE PERFORMED AFTER THE CONCRETE HAS SUFFICIENTLY SET TO PREVENT DAMAGE BY PRIOR TO

CONCRETE SHALL CONFORM TO SECTION 90 OF THE 2010 CALTRANS STANDARD SPECIFICATIONS AND AS

THE LATEST EDITION OF THE DESIGN AND CONSTRUCTION STANDARDS CAN BE FOUND ON THE CITY OF LAKEPORT WEBSITE. FOR QUESTIONS CONCERNING WHAT STANDARDS APPLY, CONTACT THE CITY OF

- FOR WATER MAIN REPLACEMENT AND TIE-INS, BEGIN BY EXPOSING THE EXISTING MAIN AT ALL TIE-IN POINTS TO DETERMINE THE LINE AND GRADE OF EXISTING MAINS TO REMAIN, NOTIFY CITY WATER DEPARTMENT A MINIMUM OF 12 HOURS IN ADVANCE FOR INSPECTION OF EXISTING FACILITIES, CITY WATER DEPARTMENT WILL PROVIDE DIRECTION REGARDING TRANSITIONING THE NEW WATER MAINS PLACED AS REQUIRED UNDER ITEM 4 TO THE EXISTING FACILITIES. TYPICAL TRANSITION LENGTH IS 8
- TRACER WIRE CONSISTING OF NO. IO COPPER WIRE SHALL BE LAID ON TOP OF AND ALONG THE ENTIRE LENGTH OF ALL MAINS AND SERVICES. THE TRACER WIRE SHALL BE EXTENDED TO THE (EXAMPLE WOULD BE DUCT TAPE OR PLASTIC ZIP TIES AT MAXIMUM IO-FOOT INTERVALS). TRACER WIRE AROUND THE MAIN WIRE WITH A MINIMUM OF 8 FULL WRAPS.
- DESIGN. DESIGN SHALL BE APPROVED BY THE CITY ENGINEER.
- FACILITIES SHALL BE PER CITY STANDARD 222.
- WITHOUT OBTAINING PRIOR APPROVAL OF THE CITY ENGINEER IN WRITING.
- SINGLE RESIDENTIAL WATER SERVICES SHALL BE I INCH. TWO TO FOUR RESIDENTIAL WATER SERVICES SHALL BE 2 INCHES WITH SERVICE WYES AS INDICATED ON STANDARD PLAN 504. IN LIEU OF THE FITTINGS INDICATED ON STANDARD PLAN 504, THE CONTRACTOR MAY CONSTRUCT A MANIFOLD FROM THREADED BRASS PIPE AND FITTINGS, THE MANIFOLD MAY ONLY SERVICE 4 METERS, TWO ON EITHER SIZE OF THE TEE OFF OF THE SERVICE LINE. THE SERVICE LINE TEE SHALL BE 2" X I-/2" AND THE INTERMEDIATE TEE SHALL BE I-1/2" X I" X I".
- 12. COMMERCIAL SERVICES SHALL BE 2 INCHES OR LARGER.
- FEET (EXCEPT WHERE SHOWN SPECIFICALLY ON THE PLANS).
- FACE OF THE CURB. THE LETTER "W" SHALL BE 4 INCHES HIGH AND COMPLETELY LEGIBLE.
- IT. ALL METER BOXES AND VAULTS SHALL BE BEDDED ON 3 INCHES MINIMUM THICKNESS OF 3/4 INCH DRAIN ROCK, CLASS 2 AGGREGATE BASE, OR OTHER SUITABLE CLEAN MATERIAL. SUITABLE MATERIAL SHALL HAVE A MINIMUM SAND EQUIVALENT OF 20 AND BE APPROVED IN ADVANCE BY THE CITY
- FOR USE. ALL OTHER ITEMS SHALL BE SUBMITTED AND APPROVED BY THE CITY ENGINEER PRIOR TO
- 19. GASKETS FOR FLANGE FITTINGS SHALL CONFORM TO AWWA STANDARD CII5.
- LATERAL CONNECTION.
- 21. THE MINIMUM DISTANCE BETWEEN CORPORATION STOPS SHALL BE 12 INCHES.
- 23. NA (RESERVED)
- 24. NA (RESERVED)
- 25. ALL FIRE HYDRANT FLOW TESTING PERFORMED ON CITY FIRE HYDRANTS SHALL BE PERFORMED BY THE CITY OF LAKEPORT PUBLIC WORKS DEPARTMENT. PRIOR TO PLACING A FIRE HYDRANT IN SERVICE, A HIGH VELOCITY FLUSHING OF THE HYDRANT SHALL BE WITNESSED AND APPROVED BY CITY PERSONNEL. HIGH VELOCITY FLUSHING SHALL CONSIST OF PLACING A DIFFUSER, INCLUDING DECLORINATION TABLETS. UNDER CITY SUPERVISION, THE HYDRANT LATERAL IS FLUSHED UNTIL CITY PERSONNEL ARE SATISFIED THAT THE LINES ARE CLEAR OF DEBRIS, PRIOR TO TESTING AND
- 26. CONTRACTOR SHALL COORDINATE ALL WATER MAIN CONNECTION WORK WITH THE PUBLIC WORKS DEPARTMENT A MINIMUM OF 12 HOURS PRIOR TO COMMENCING WORK. ALL OTHER WATER MAIN CONSTRUCTION WORK SHALL BE COMPLETED PRIOR TO FINAL CONNECTION, THE FINAL CONNECTION SHALL BE MADE BY THE CONTRACTOR UNDER THE SUPERVISION OF CITY REPRESENTATIVE. THE CONTRACTOR SHALL PROVIDE ALL EXCAVATION, SHORING, BACKFILL, AND RESURFACING PER
- TAPPING VALVE AND SLEEVE AND ANY OTHER HARDWARE REQUIRED UNDER THE CITY'S SUPERVISION.
- 28. WHENEVER A WATER VALVE HAS BEEN COVERED WITH HOT MIX ASPHALT, THE VALVE LOCATION SHALL BE MARKED ON THE SURFACE OF THE NEW PAVEMENT WITH WHITE PAINT PRIOR TO THE END OF THE WORK SHIFT. THE WATER VALVE BOXES SHALL BE ADJUSTED TO GRADE WITHIN 48 HOURS AFTER FINAL PAVING.

CONCRETE CONSTRUCTION NOTES

- ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL CONFORM TO THE CITY OF LAKEPORT STANDARD DESIGN AND CONSTRUCTION STANDARDS.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE; HOWEVER, THE CITY OF LAKEPORT AND THE ENGINEER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION SHOWN, OR FOR THE INADVERTENT OMISSION OF ANY SUCH INFORMATION. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES AND OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THIS PROJECT.
- 3. NA (RESERVED)
- ALL NEW SEWER MAINS ARE TO BE PLUGGED AT THE EXISTING SEWER CONNECTION UNTIL THE NEW SEWER MAINS HAVE BEEN ACCEPTED BY THE CITY OF LAKEPORT.
- THE CONTRACTOR SHALL SECURE ALL ENCROACHMENT PERMITS FROM THE CITY OF LAKEPORT, COUNTY OF LAKE, AND ANY OTHER APPLICABLE AGENCIES.
- THE CONTRACTOR SHALL SECURE A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.
- NA (RESERVED)
- 8. NO CONSTRUCTION SHALL COMMENCE WITHOUT PRIOR APPROVAL OF THE CITY ENGINEER.
- UNDERGROUND SERVICE ALERT (USA) CALL TOLL FREE 800-221-2600 AT LEAST 48 HOURS PRIOR TO EXCAVATION.
- IO. NA (RESERVED)

SUPPLEMENTAL GENERAL NOTES

- CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR BEING FAMILIAR WITH THE PROVISIONS AND REQUIREMENTS CONTAINED IN THE CITY STANDARD SPECIFICATIONS, CONTRACTOR SHALL HAVE A COPY AVAILABLE AT THE JOB SITE AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN SUFFICIENT BARRICADES TO PROVIDE FOR THE SAFETY OF THE GENERAL PUBLIC TO THE SATISFACTION OF THE PUBLIC WORKS DIRECTOR.
- 3. ALL MATERIAL SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED.
- 4. N/A (RESERVED)
- CONTRACTOR SHALL CONFORM TO EXISTING ROADS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A SMOOTH TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADING, ETC., AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
- CONTRACTOR SHALL CONTACT THE CITY OF LAKEPORT PUBLIC WORKS AND ENGINEERING DEPARTMENT TO ARRANGE A PRE-PROJECT CONFERENCE FOR THE PURPOSE OF REVIEWING JOB REQUIREMENTS AND CITY
- CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF LAKEPORT PUBLIC WORKS AND ENGINEERING DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE START OF CONSTRUCTION.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY AND THE ENGINEER HARMLESS FROM ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THE PROJECT; EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE CITY OR THE ENGINEER.
- SHOULD ANY CONTRACTOR OR SUBCONTRACTOR FIND ANY DEFICIENCIES, ERRORS, CONFLICTS OR OMISSIONS IN THESE PLANS AND SPECIFICATIONS OR SHOULD HE BE IN DOUBT AS TO THEIR MEANING OR INTENT, HE SHALL NOTIFY THE ENGINEER FOR A WRITTEN CLARIFICATION, ADDENDUM, ETC. SHOULD HE FAIL TO DO SO BEFORE SUBMITTING A PROPOSAL HE CANNOT CLAIM ADDITIONAL COMPENSATION FOR WORK REQUIRED TO COMPLETE THE PROJECT.
- IO. IF THERE IS A CONFLICT BETWEEN WRITTEN AND SCALED DIMENSIONS, NOTIFY THE ENGINEER AND OBTAIN A CLARIFICATION. NO DEVIATIONS OR SUBSTITUTIONS SHALL BE ALLOWED WITHOUT OBTAINING WRITTEN APPROVAL
- ONE WIEEK PRIOR TO ANY EXCAVATION IN EXISTING STREET AREAS OUTSIDE OF THE AREAS PREVIOUSLY USA'D, THE CONTRACTOR SHALL CONTACT AND REQUEST PG&E, TELEPHONE AND CABLE COMPANIES, THE CITY OF LAKEPORT PUBLIC WORKS AND ENGINEERING DEPARTMENT, AND OTHER AGENCIES AS NECESSARY FOR MARKING THE LOCATION OF THEIR RESPECTIVE FACILITIES, COSTS OF REPAIRING ANY INJURIES OR DAMAGES CAUSED BY THE CONTRACTOR SHALL BE BORNE BY THE CONTRACTOR. VARIOUS UNDERGROUND LINES WERE PLOTTED ON THE PLANS FROM THE INFORMATION OBTAINED FROM THE RESPECTIVE UTILITY COMPANIES, THEREFORE, NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CORRECTNESS OF THEIR LOCATION.
- I2. ALL STATIONS (SHOWN ON PLAN AND PROFILE) ARE TAKEN ALONG CENTERLINE OF THE PROPOSED UTILITY TRENCH UNLESS OTHERWISE NOTED ON PLAN, AND SHOW MEASUREMENTS IN A HORIZONTAL PLANE.
- FADED BACKGROUND REPRESENTS EXISTING TOPOGRAPHIC FEATURES.
- UTILITIES SHOWN IN COLOR REPRESENT UTILITIES MARKED IN THE FIELD BY USA. UTILITIES SHOWN IN GREY ARE ASSUMED, AND SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION.

FIBERMESH | CEMENTITIOUS

MATERIAL

(LBS)

470

RATE

1.5 LBS/YD

(0.01%)

3.0 LBS/YD

(0.02%)

MAX.

SLUMP

(INCHES)

3

OF THE CITY OF LAKEPORT DESIGN AND CONSTRUCTION STANDARDS AND APPLICABLE PROJECT SPECIAL CONDITIONS AND PLAN NOTES.

LAKEPORT'S WATER DEPARTMENT.

- 2. THE MINIMUM SIZE FOR ALL WATER MAINS SHALL BE & INCH.
- MINIMUM DEPTH OF COVER FROM FINISHED GRADES SHALL BE 36 INCHES FOR ALL MAINS.
- MAIN LINE WATER VALVES UP TO AND INCLUDING 16 INCHES SHALL BE RESILIENT SEAT GATE VALVES. IB INCH AND LARGER MAINLINE VALVES SHALL BE BUTTERFLY VALVES. BLOW OFF VALVES SHALL BE 2- OR 3-INCH BRASS BALL VALVES WITH ROTATIONAL STOPS.
- SURFACE AT ALL WATER VALVE LOCATIONS, BLOW OFF VALVE AND METER BOXES, FASTEN TRACER WIRE TO THE TOP OF THE PIPE SUFFICIENT AS TO NOT BE DISPLACED BY BACKFILLING PROCEDURES WIRES FOR SERVICES SHALL BE CONNECTED TO THE MAIN TRACER WIRE BY WRAPPING THE SERVICE
- MAINS TO BE CONSTRUCTED WITHIN IO FEET OF SEWER PIPE REQUIRE SPECIAL INSTALLATION AND
- 8. ALL TRENCHING, BACKFILL, AND RESURFACING REQUIRED FOR INSTALLATION OF WATER SYSTEM
- 9. ONLY CITY PERSONNEL SHALL OPERATE VALVES ON EXISTING WATER MAINS (OR WATER SERVICES).
- IO. SERVICE LATERALS OTHER THAN THOSE SHOWN OR NOTED ON THE PLANS SHALL NOT BE INSTALLED

- I3. NO MORE THAN ONE WATER SERVICE SHALL BE PLACED WITHIN A TRENCH UNLESS INDICATED ON THE
- IA. WATER SERVICES AND SEMER LATERALS SHALL BE SEPARATED HORIZONTALLY BY A MINIMUM OF IO
- IS. AT THE LOCATION OF EACH WATER SERVICE LATERAL, THE LETTER "W" SHALL BE SCRIBED INTO THE
- IG. ALL RESIDENTIAL AND COMMERCIAL WATER SERVICE TUBING SHALL BE EITHER I- OR 2-INCH HDPE,

 - THE BEDDING MATERIAL SHALL EXTEND A MINIMUM OF 4 INCHES BEYOND THE OUTSIDE EDGES OF THE BOXES OR VAULT. BOXES AND VAULTS SHALL SET FLUSH WITH TOP OF CURB, SIDEWALK, OR GROUND, WHICHEVER IS APPLICABLE, LOT NUMBERS MUST BE NOTED ON THE TOP SIDE OF THE METER BOX WITH A PERMANENT MARKING PEN. METER BOXES AND VAULTS SHALL BE SET SO THAT THE READING LIDS ARE ALIGNED OVER THE METER REGISTERS AS CLOSELY AS POSSIBLE.
- IB. ITEMS SPECIFIED ON THE STANDARD PLANS OR IN PROJECT SPECIAL PROVISIONS ARE APPROVED
- 20. TO ABANDON A WATER SERVICE, EXPOSE AND TURN OFF CORPORATION STOP, THEN SEVER THE
- 22. PRESSURE TESTING AGAINST VALVES SHALL NOT BE ALLOWED.

- ACCEPTANCE OF HYDRANTS, BURLAP SACKS SHALL BE PLACED OVER HYDRANTS.
- STANDARD PLAN 222 OR AS SHOWN ON THE PLANS.
- 21. WHERE A "HOT TAP" CONNECTION IS REQUIRED, THE CONTRACTOR SHALL PROVIDE AND INSTALL THE CONTRACTOR SHALL PROVIDE A COUPON TO THE CITY ENGINEER FOR EACH TAP.

WATER MAIN AND SERVICE CONSTRUCTION NOTES (CONT')

29. NEW MAINS SHALL BE DISINFECTED IN ACCORDANCE TO AWWA C651-99. A MINIMUM FREE CHLORINE RESIDUAL OF 50 MG/L IS REQUIRED TO REMAIN IN CONTACT WITH PIPE FOR NO LEGS THAN 24 HOURS, THE TABLET METHOD MAY BE USED TO ACCOMPLISH THIS AS DESCRIBED BELOW:

CALCIUM HYPOCHLORITE TABLETS SHALL BE PLACED IN EACH SECTION OF PIPE, HYDRANTS, AND OTHER APPURTENANCES. THE TABLETS SHALL BE ATTACHED BY AN NSF APPROVED ADHESIVE. THE TABLETS ARE TO BE INSTALLED TO THE TOP OF EACH PIPE PRIOR TO BEING PLACED IN DITCH. FILLING THE MAIN WILL BE AT A RATE NOT TO EXCEED I CU FT/SEC.

PIPE DIAMETER	# OF 5-G TABS (65%) PER 20' OF PIPE
6"	2
8"	4
10"	6
12"	8
24"	14

- 30. BACTERIOLOGICAL TESTING IS REQUIRED PRIOR TO ANY TIE-INS TO EXISTING MAINS BY AN APPROVED LABORATORY. THE CITY WILL ANALYZE THE RESULTS AND DETERMINE IF THE CONTRACTOR CAN MOVE FORWARD WITH THE TIE-INS. IN THE EVENT OF A POSITIVE SAMPLE, IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO RESAMPLE AND OR DISINFECT THE MAIN TO OBTAIN THE "ABSENT" RESULTS REQUIRED.
- 31. PRESSURE TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH AWWA C600 ON ALL NEW WATER MAINS, CONTRACTOR SHALL FURNISH ALL EQUIPMENT NECESSARY FOR HYDROSTATIC TESTING INCLUDING A HYDRAULIC FORCE PUMP AND CALIBRATED TEST GAUGE. TEST PRESSURE SHALL NOT BE LESS THAN ISO PSI AT ANY LOCATION FOR A MINIMUM OF TWO HOURS AS OBSERVED BY AN INSPECTOR DESIGNATED BY THE CITY. LEAKAGE SHALL NOT EXCEED ALLOWABLE GALLONS AS CALCULATED IN AWWA C600 BASED ON MATERIAL AND LENGTH OF PIPE. IF PRESSURE TEST EXCEEDS THE ALLOWABLE LEAKAGE, THE CONTRACTOR SHALL AT HIS SOLE EXPENSE LOCATE AND REPAIR THE LEAKING JOINTS, THE PRESSURE PROCESS WILL BE REPEATED AS NECESSARY UNTIL THE NEW MAIN PASSES THE PRESSURE TEST.

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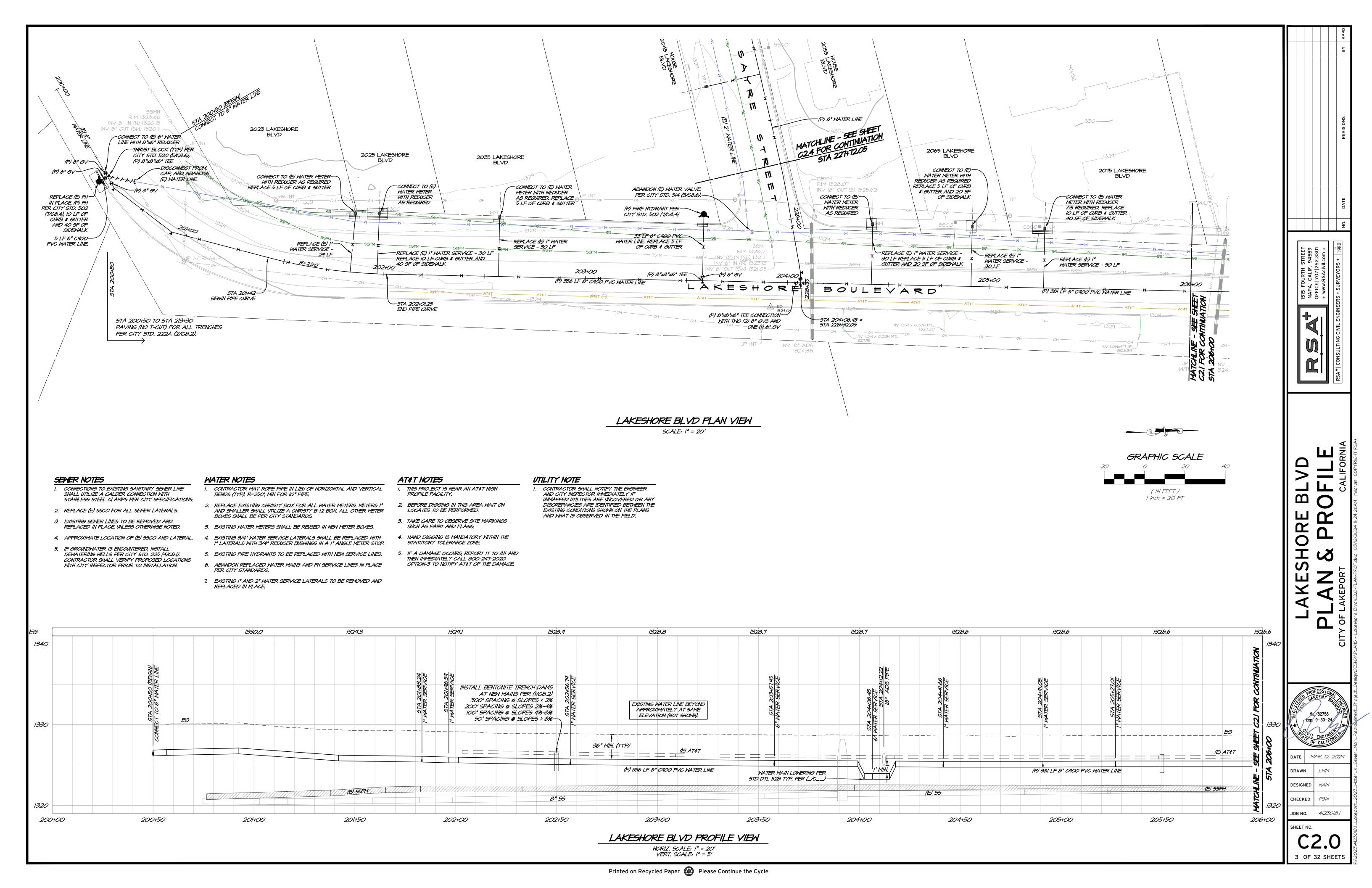
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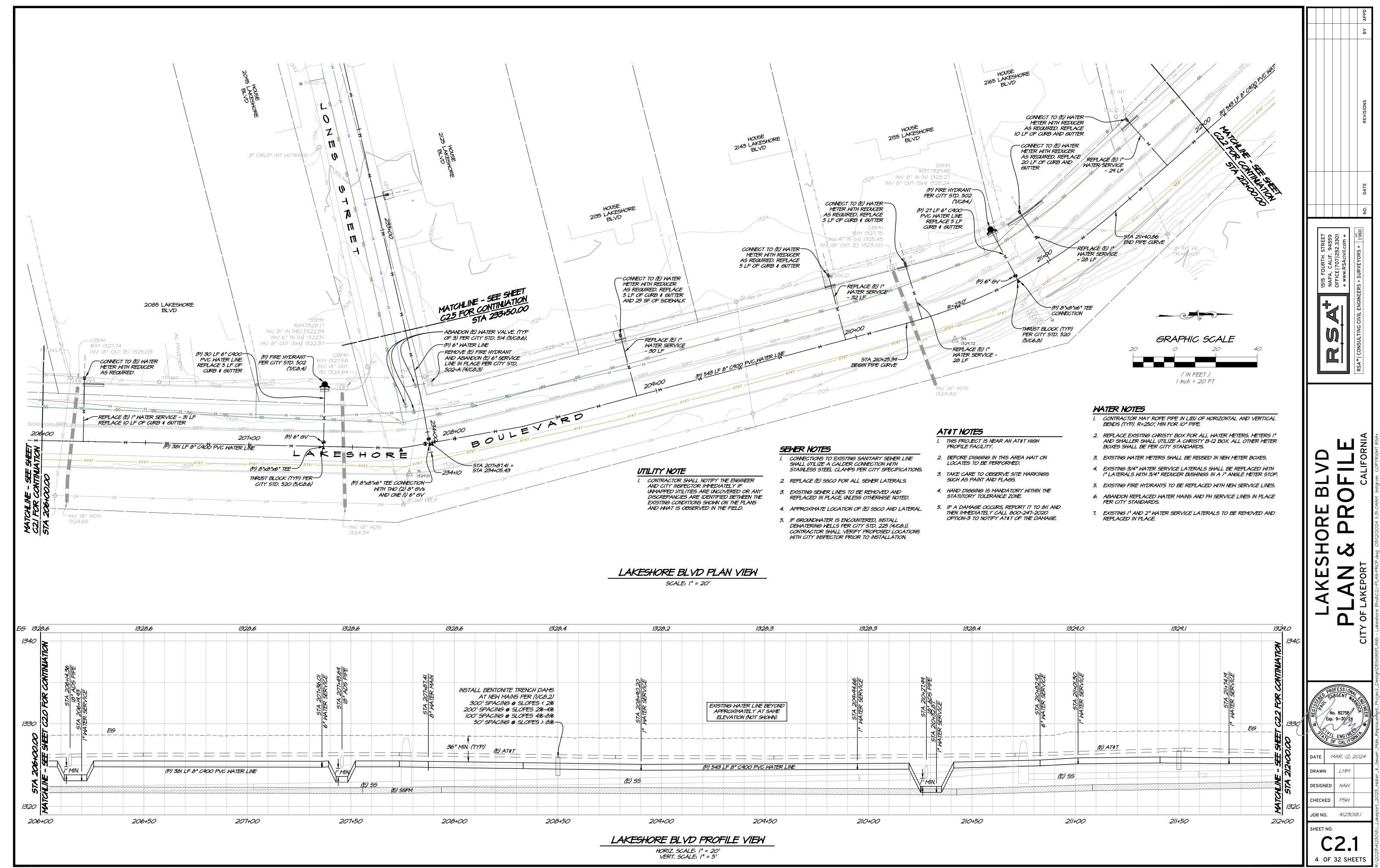
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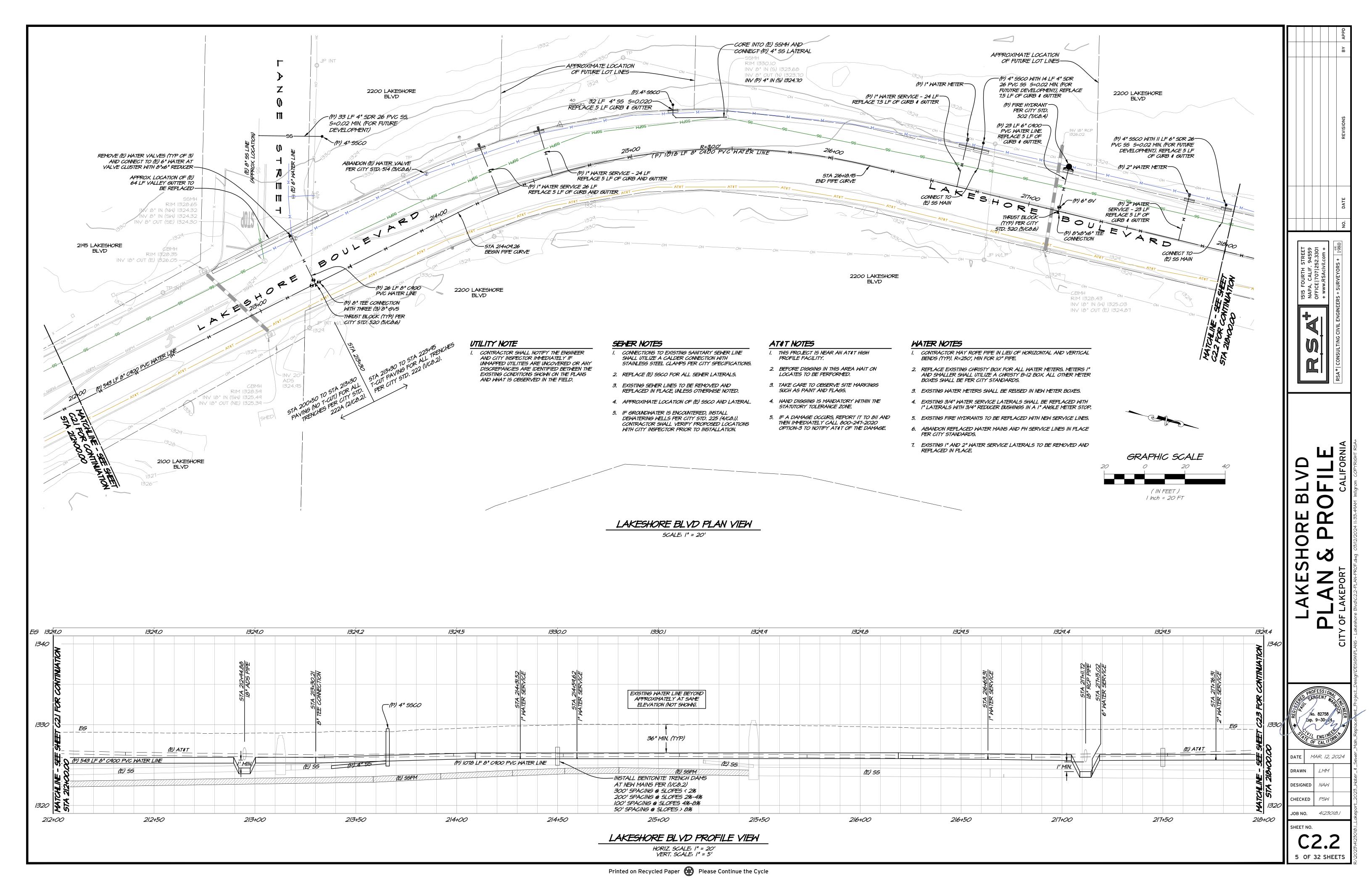
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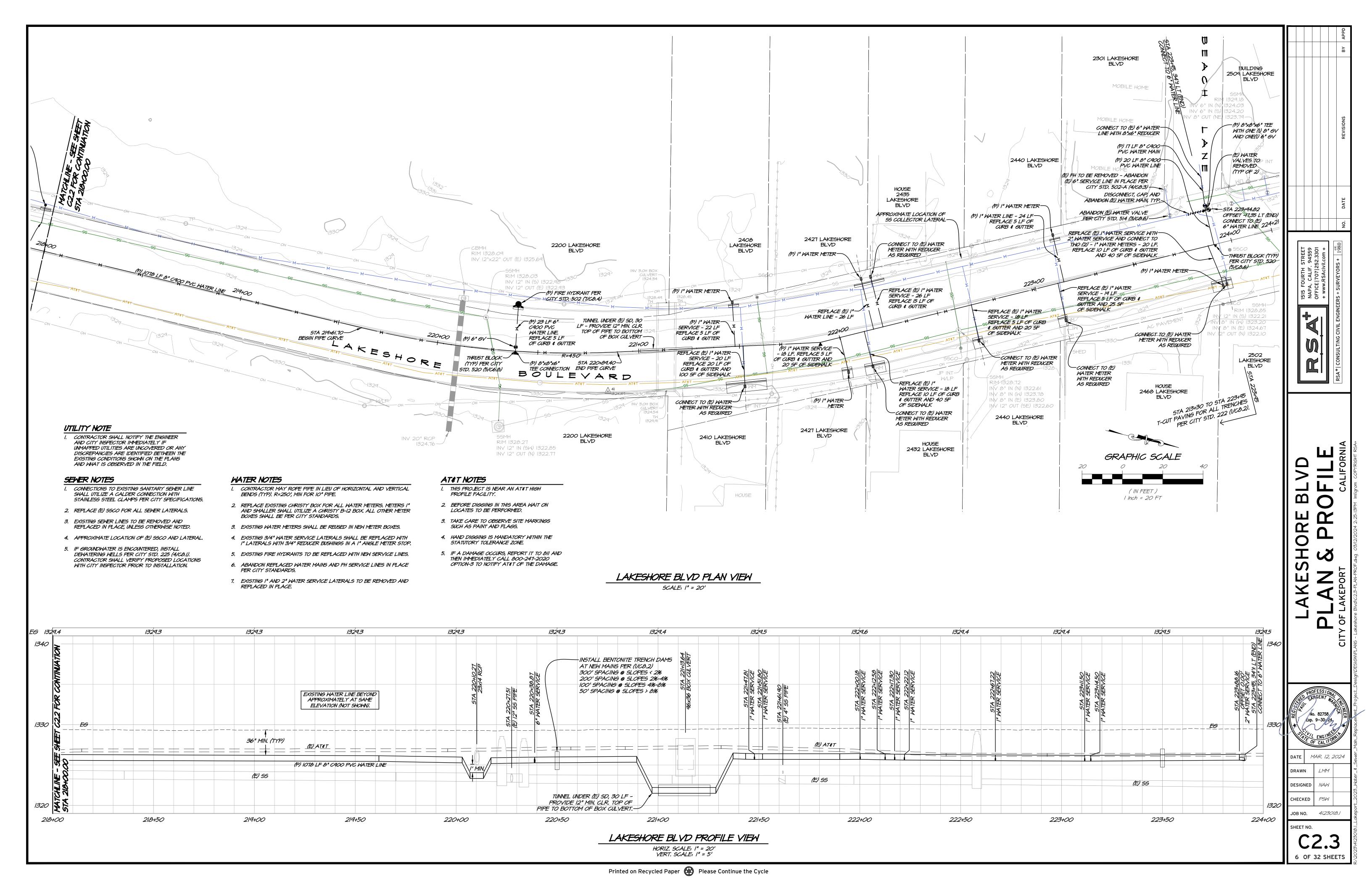
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SEWER NOTES

- I. CONNECTIONS TO EXISTING SANITARY SEWER LINE SHALL UTILIZE A CALDER CONNECTION WITH STAINLESS STEEL CLAMPS PER CITY SPECIFICATIONS.
- 2. REPLACE (E) SSCO FOR ALL SEWER LATERALS.
- 3. EXISTING SEWER LINES TO BE REMOVED AND REPLACED IN PLACE, UNLESS OTHERWISE NOTED.
- 4. APPROXIMATE LOCATION OF (E) SSCO AND LATERAL.
- 5. IF GROUNDWATER IS ENCOUNTERED, INSTALL
 DEWATERING WELLS PER CITY STD. 225 (4/C8.I).
 CONTRACTOR SHALL VERIFY PROPOSED LOCATIONS
 WITH CITY INSPECTOR PRIOR TO INSTALLATION.

WATER NOTES

- I. CONTRACTOR MAY ROPE PIPE IN LIEU OF HORIZONTAL AND VERTICAL BENDS (TYP). R=250', MIN FOR IO" PIPE.
- 2. REPLACE EXISTING CHRISTY BOX FOR ALL WATER METERS. METERS I" AND SMALLER SHALL UTILIZE A CHRISTY B-I2 BOX. ALL OTHER METER BOXES SHALL BE PER CITY STANDARDS.
- 3. EXISTING WATER METERS SHALL BE REUSED IN NEW METER BOXES.
- 4. EXISTING 3/4" WATER SERVICE LATERALS SHALL BE REPLACED WITH I" LATERALS WITH 3/4" REDUCER BUSHINGS IN A I" ANGLE METER STOP.

ABANDON REPLACED WATER MAINS AND FH SERVICE LINES IN PLACE

- 5. EXISTING FIRE HYDRANTS TO BE REPLACED WITH NEW SERVICE LINES.
- PER CITY STANDARDS.

 7. EXISTING I" AND 2" WATER SERVICE LATERALS TO BE REMOVED AND

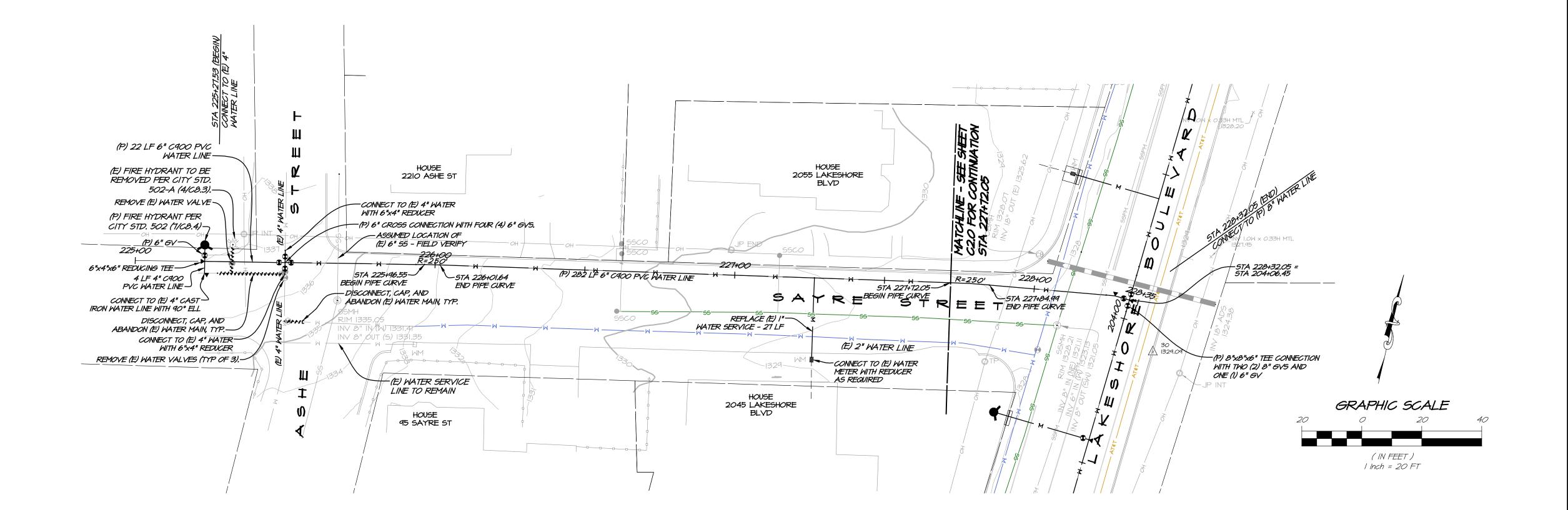
AT&T NOTES

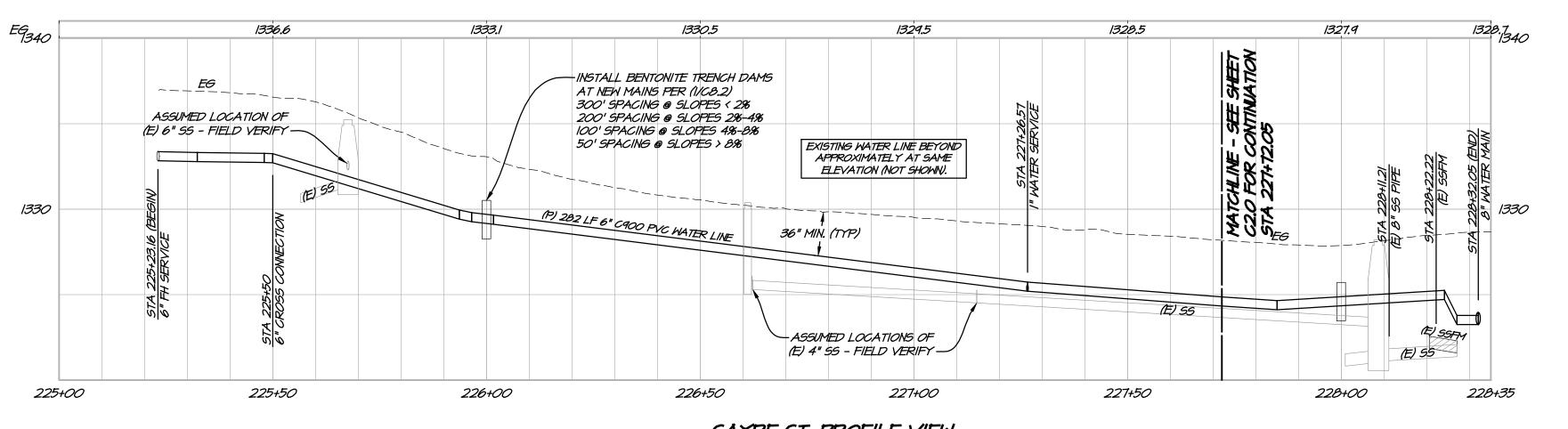
REPLACED IN PLACE.

- I. THIS PROJECT IS NEAR AN AT&T HIGH PROFILE FACILITY.
- 2. BEFORE DIGGING IN THIS AREA WAIT ON LOCATES TO BE PERFORMED.
- 3. TAKE CARE TO OBSERVE SITE MARKINGS SUCH AS PAINT AND FLAGS.
- 4. HAND DIGGING IS MANDATORY WITHIN THE STATUTORY TOLERANCE ZONE.
- 5. IF A DAMAGE OCCURS, REPORT IT TO 811 AND THEN IMMEDIATELY CALL 800-247-2020 OPTION-3 TO NOTIFY AT&T OF THE DAMAGE.

UTILITY NOTE

I. CONTRACTOR SHALL NOTIFY THE ENGINEER
AND CITY INSPECTOR IMMEDIATELY IF
UNMAPPED UTILITIES ARE UNCOVERED OR ANY
DISCREPANCIES ARE IDENTIFIED BETWEEN THE
EXISTING CONDITIONS SHOWN ON THE PLANS
AND WHAT IS OBSERVED IN THE FIELD.





SAYRE ST. PLAN VIEW

SCALE: |" = 20'

SAYRE ST. PROFILE VIEW

HORIZ. SCALE: I" = 20'
VERT. SCALE: I" = 5'

EET NO.

7 OF 32 SHEETS

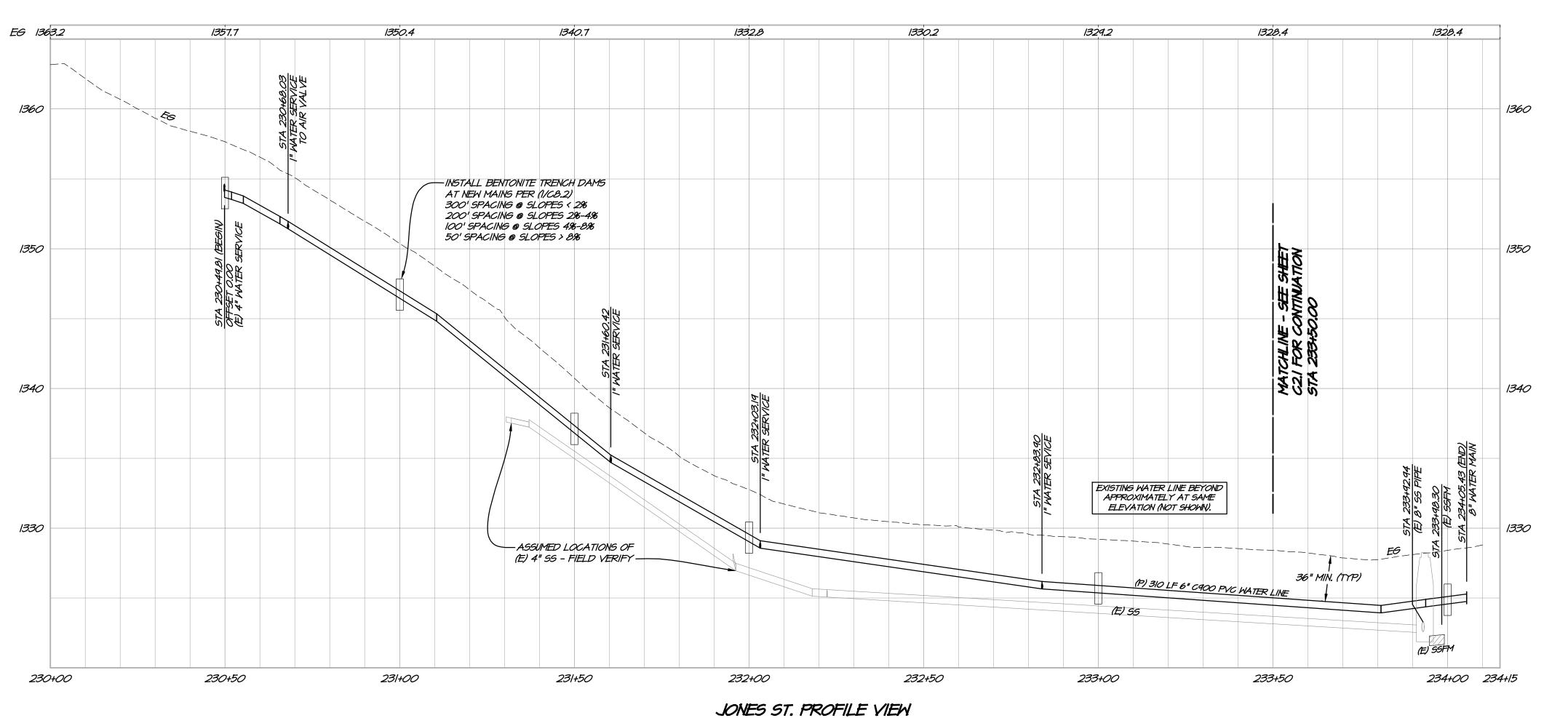
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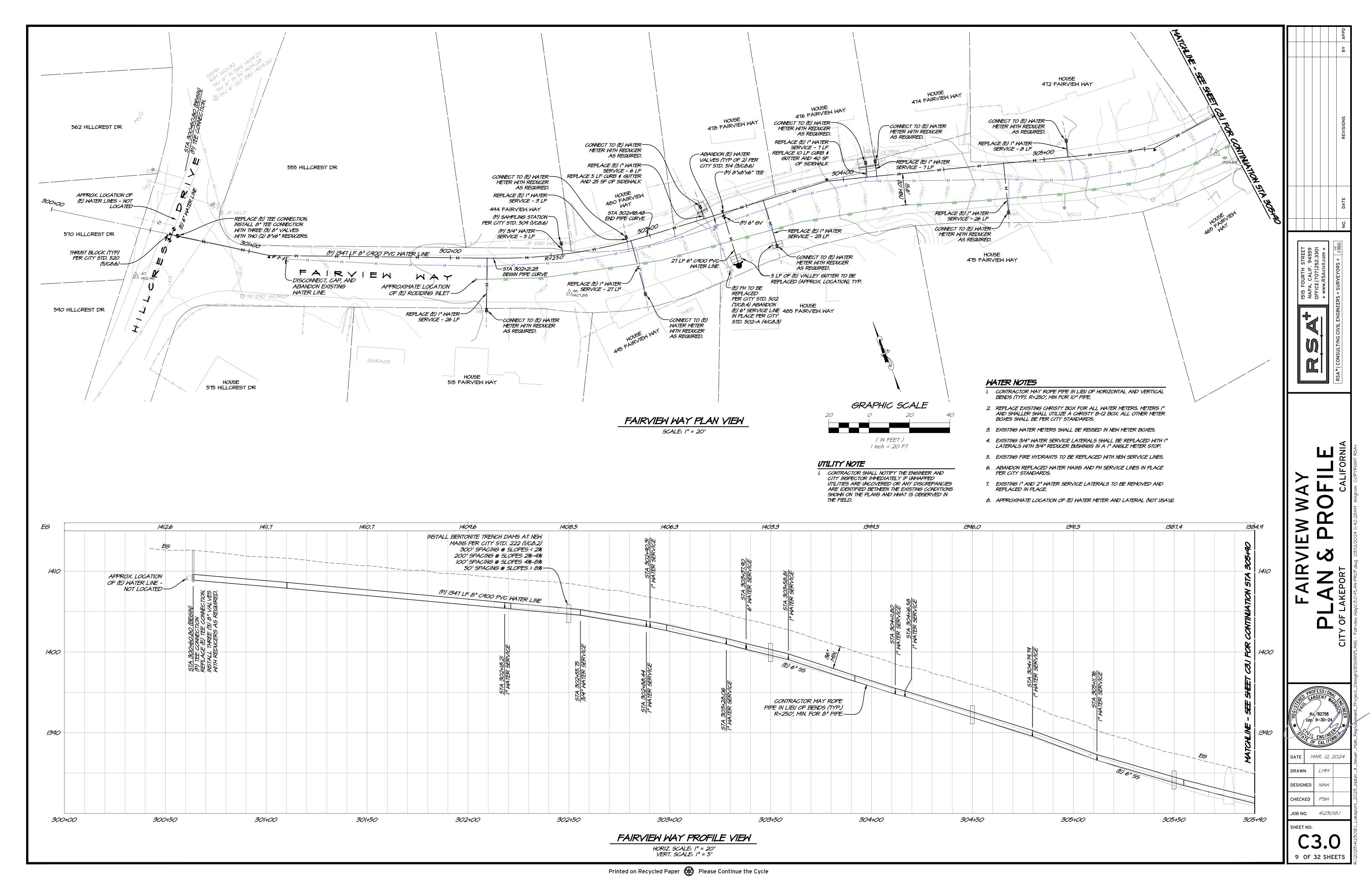


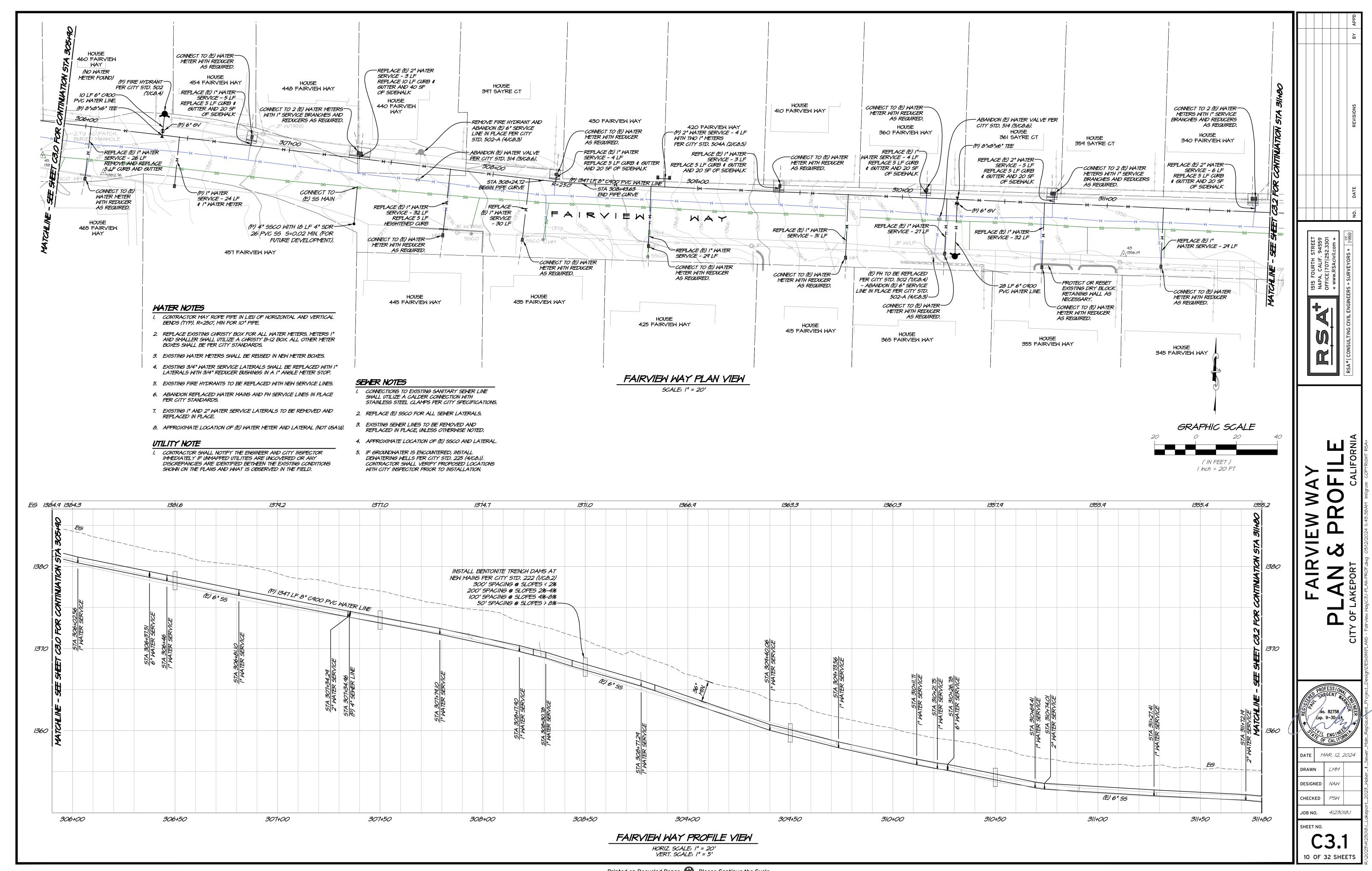
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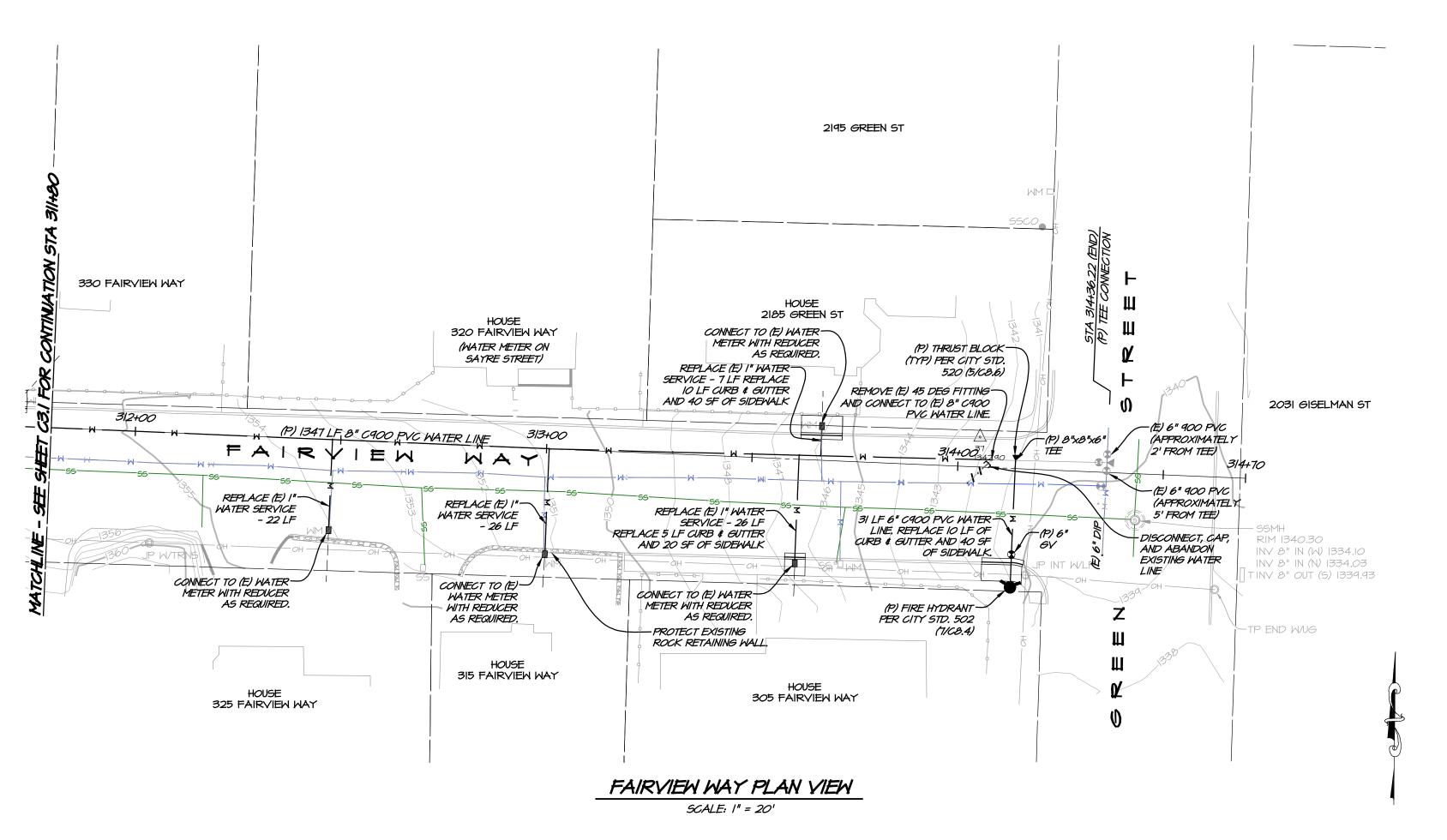
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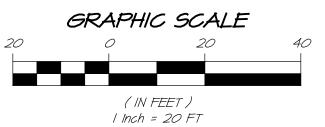
8 OF 32 SHEETS

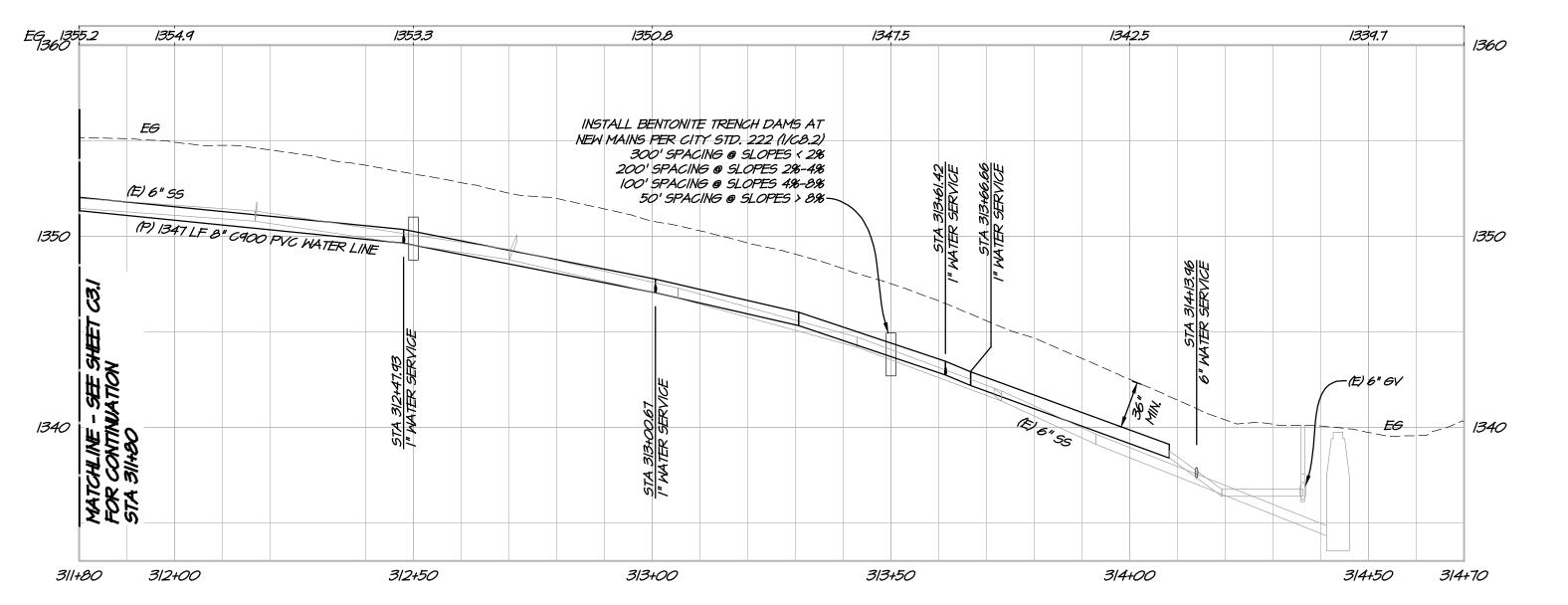
HORIZ. SCALE: |" = 20' VERT. SCALE: |" = 5'











FAIRVIEW WAY PROFILE VIEW

HORIZ. SCALE: I" = 20'
VERT. SCALE: I" = 5'

WATER NOTES

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- 7. EXISTING I" AND 2" WATER SERVICE LATERALS TO BE REMOVED AND REPLACED IN PLACE.
- B. APPROXIMATE LOCATION OF (E) WATER METER AND LATERAL (NOT USA'd).

UTILITY NOTE

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| 1515 FOURTH STREET | NAPA, CALIF. 94559 | OFFICE|707|252.3301 | + www.RSAcivil.com + | 1980 | NO. | D

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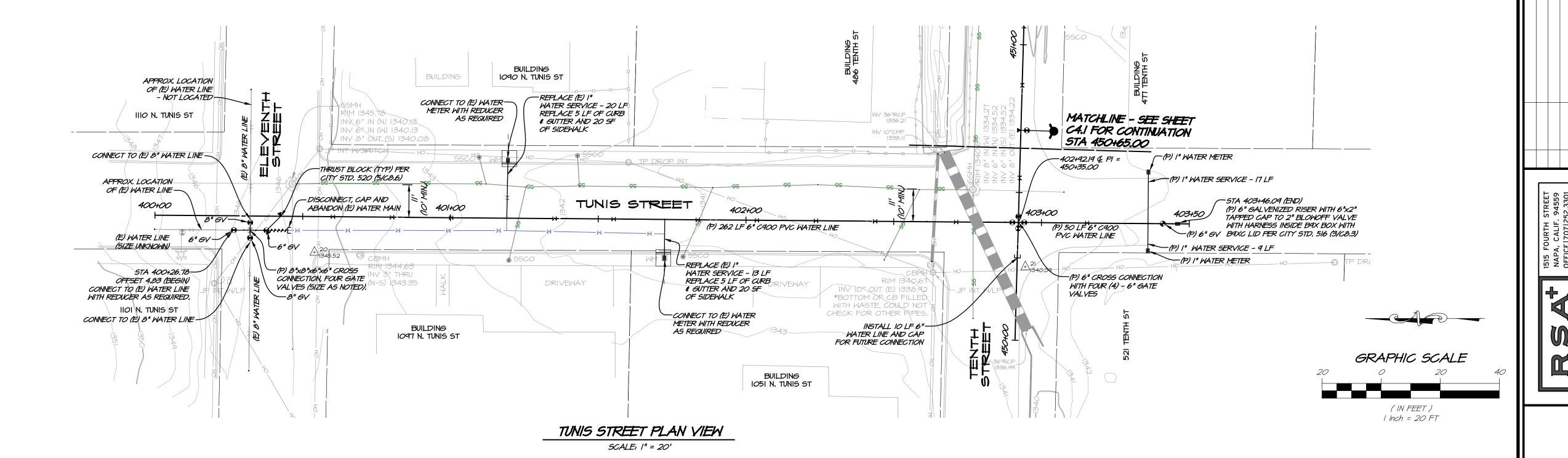
C3.211 OF 32 SHEETS

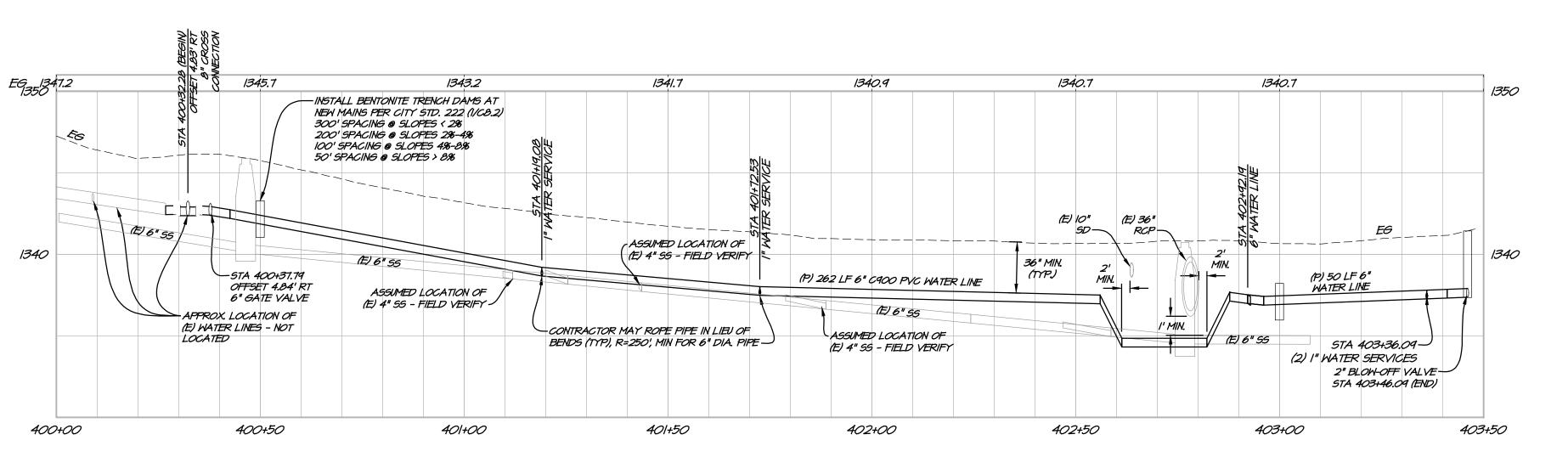
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TUNIS STREET PROFILE VIEW

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VERT, SCALE: I" = 5'

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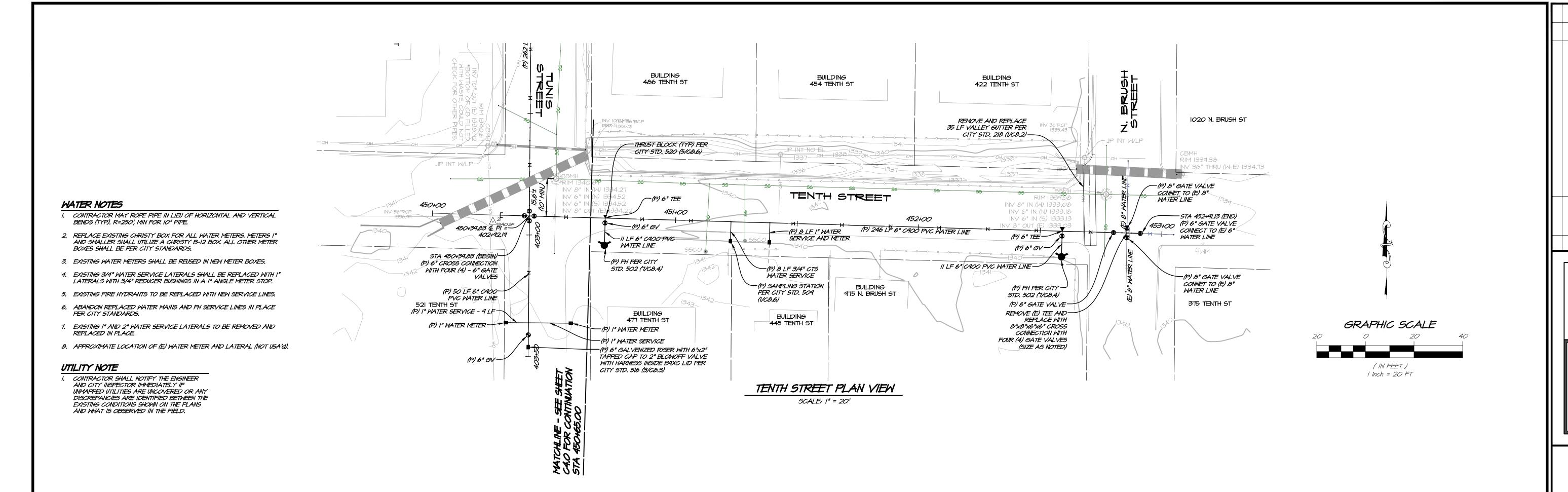
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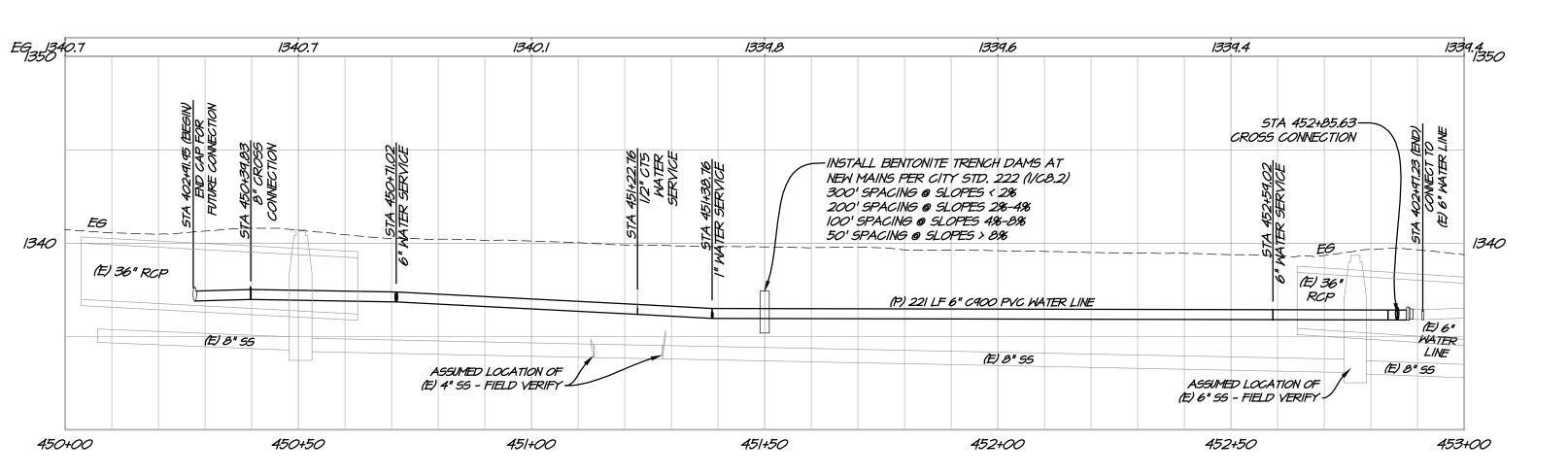
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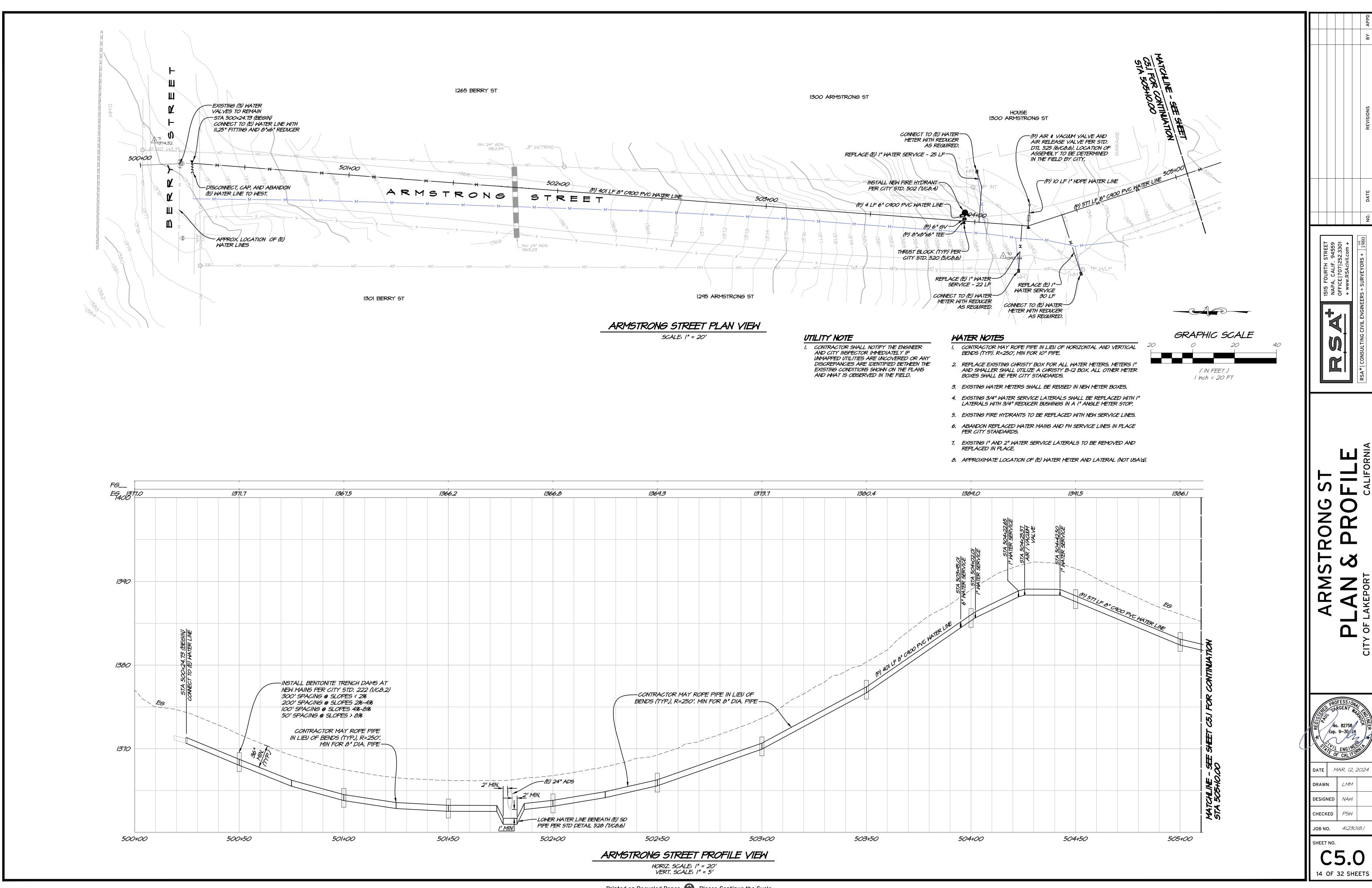
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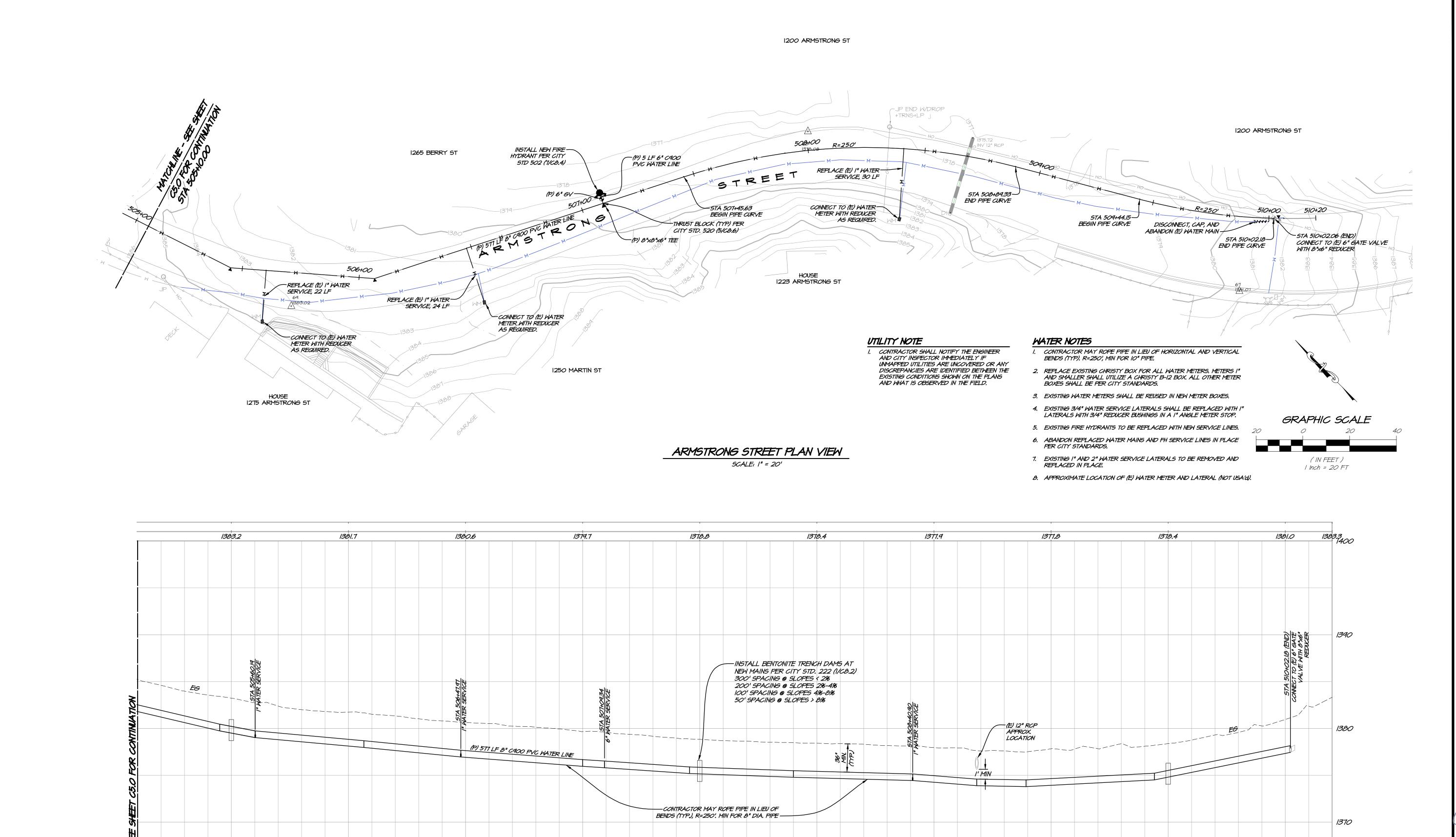
13 OF 32 SHEETS

JOB NO. 4123018.1



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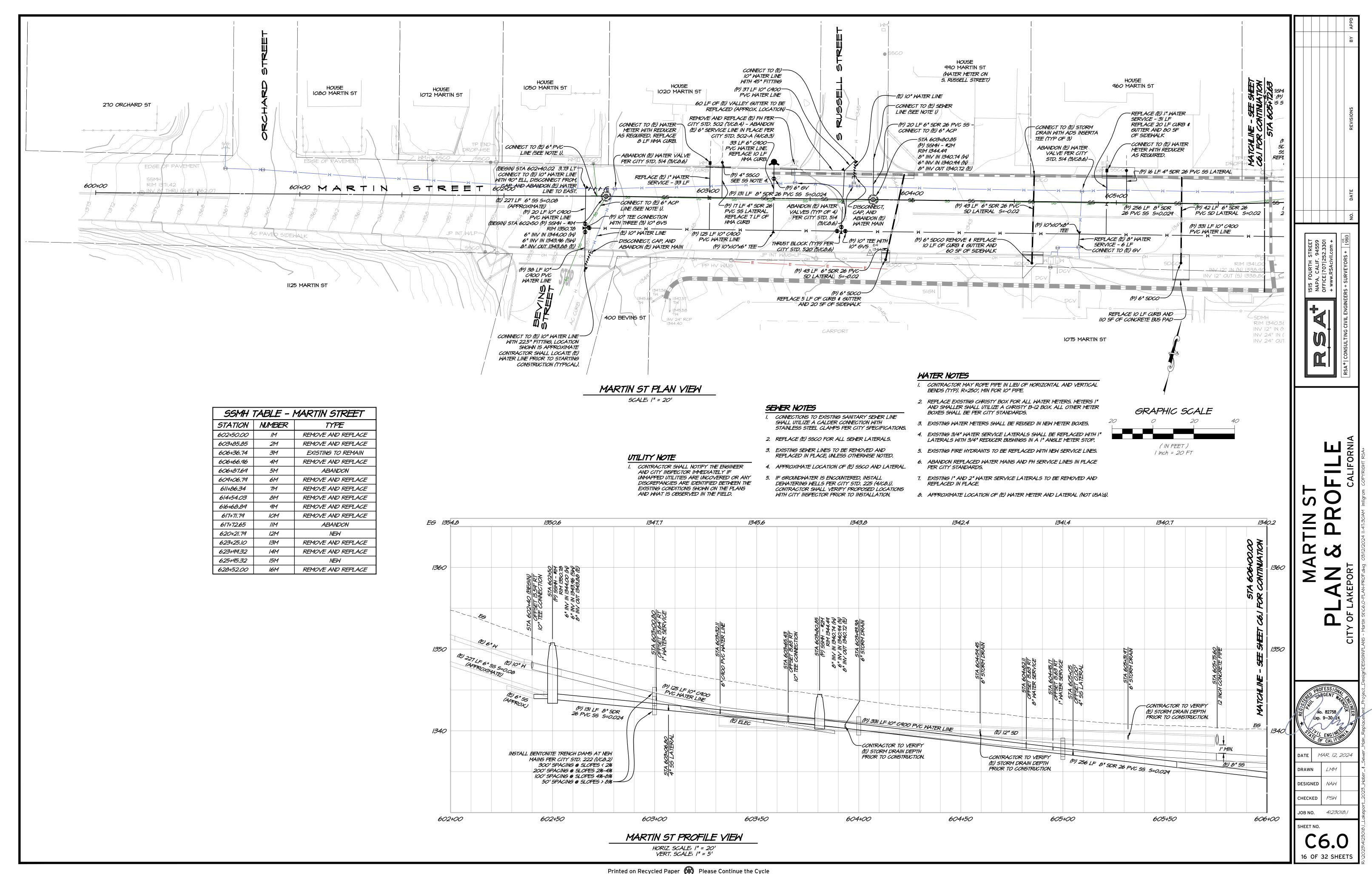
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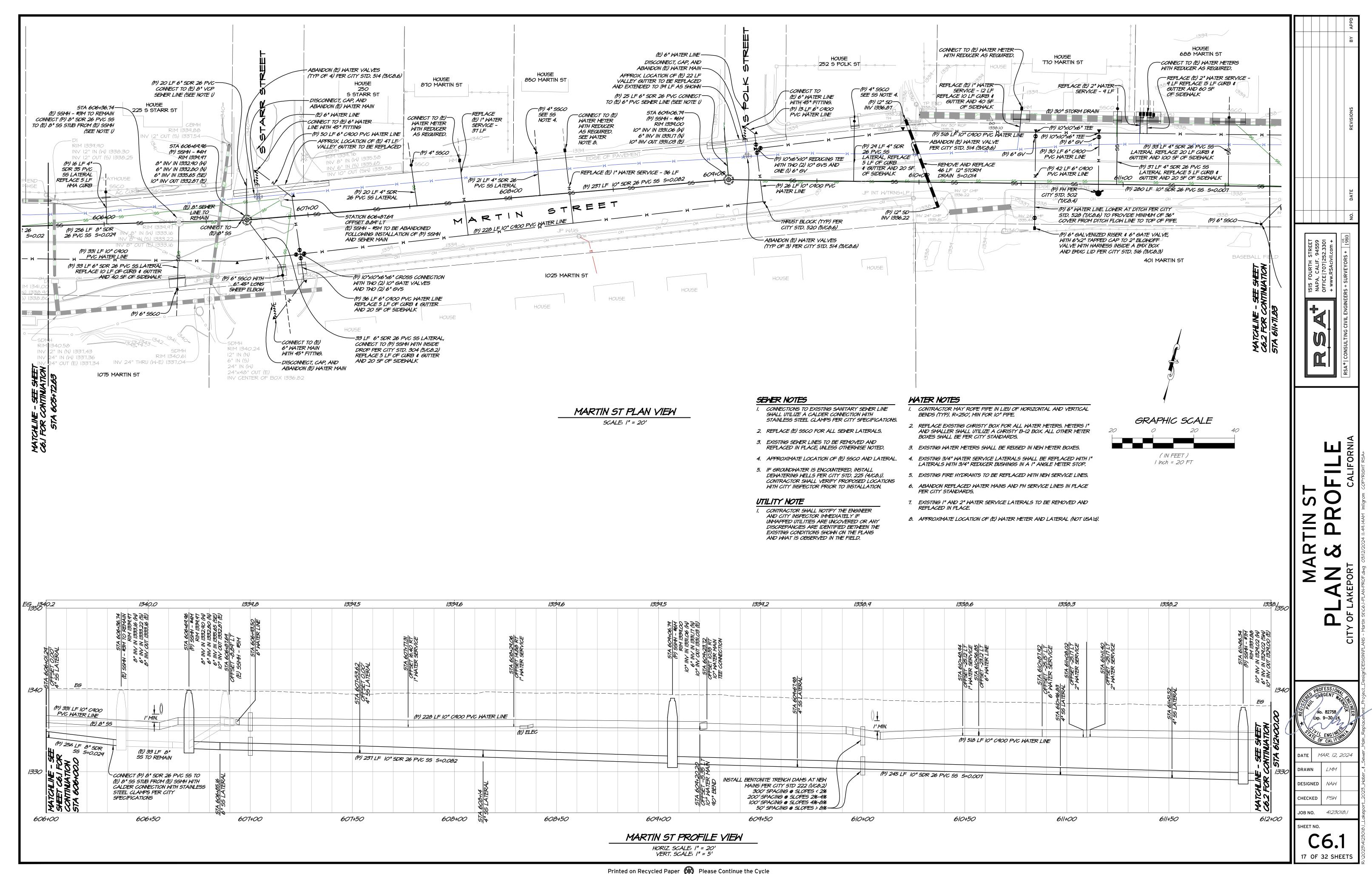
ARMSTRONG STREET PROFILE VIEW

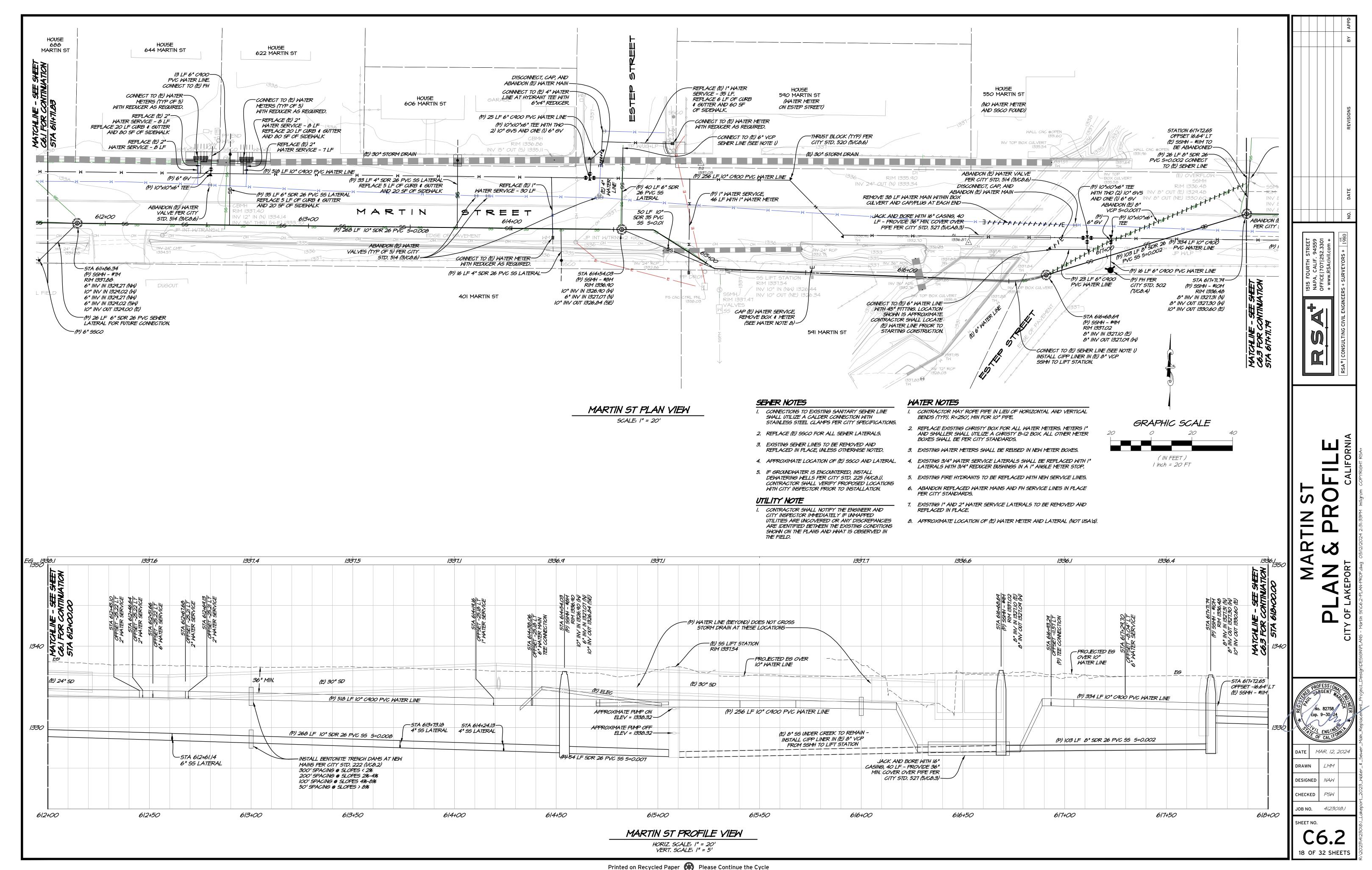
HORIZ. SCALE: |" = 20' VERT. SCALE: |" = 5'

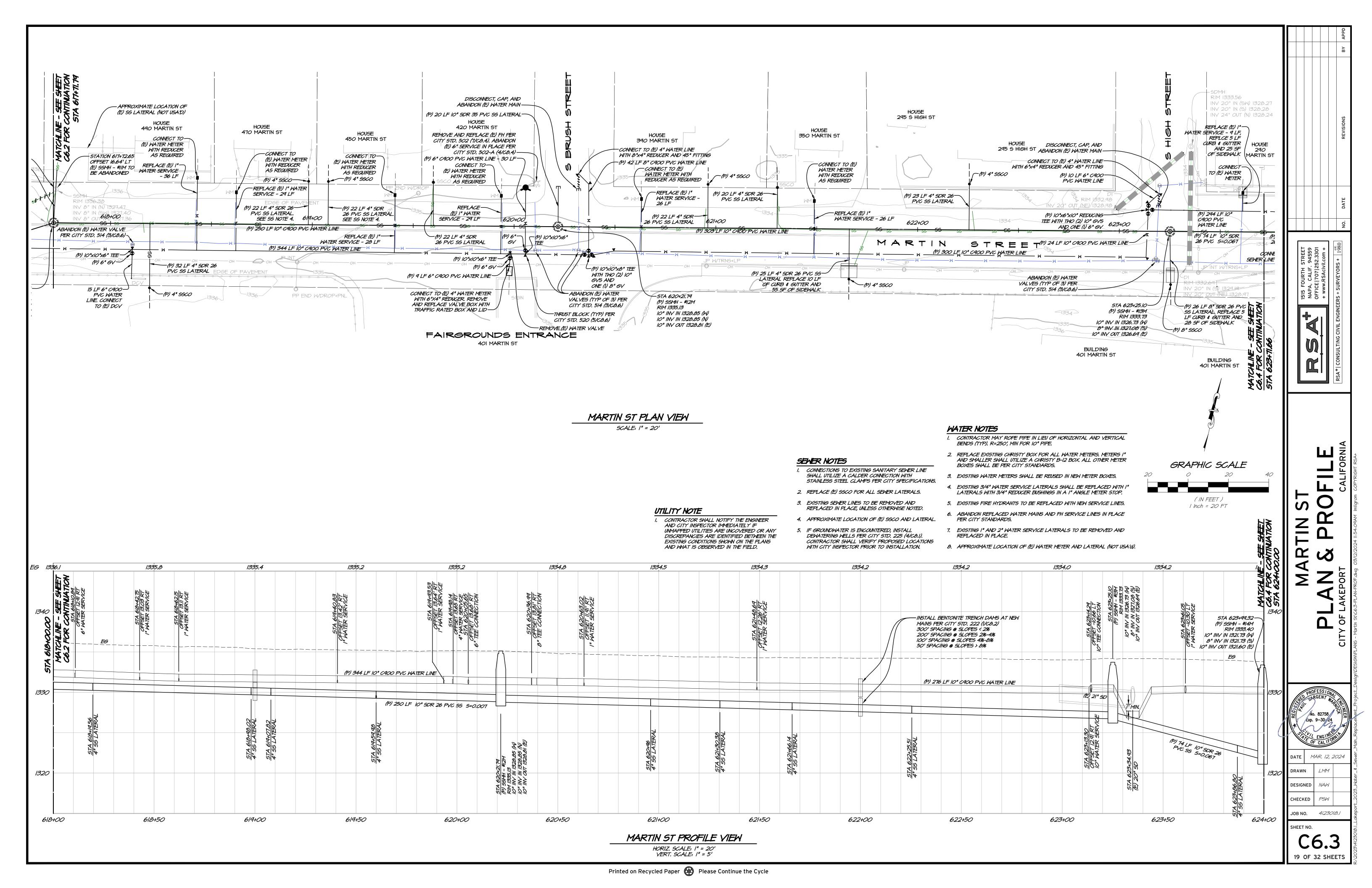
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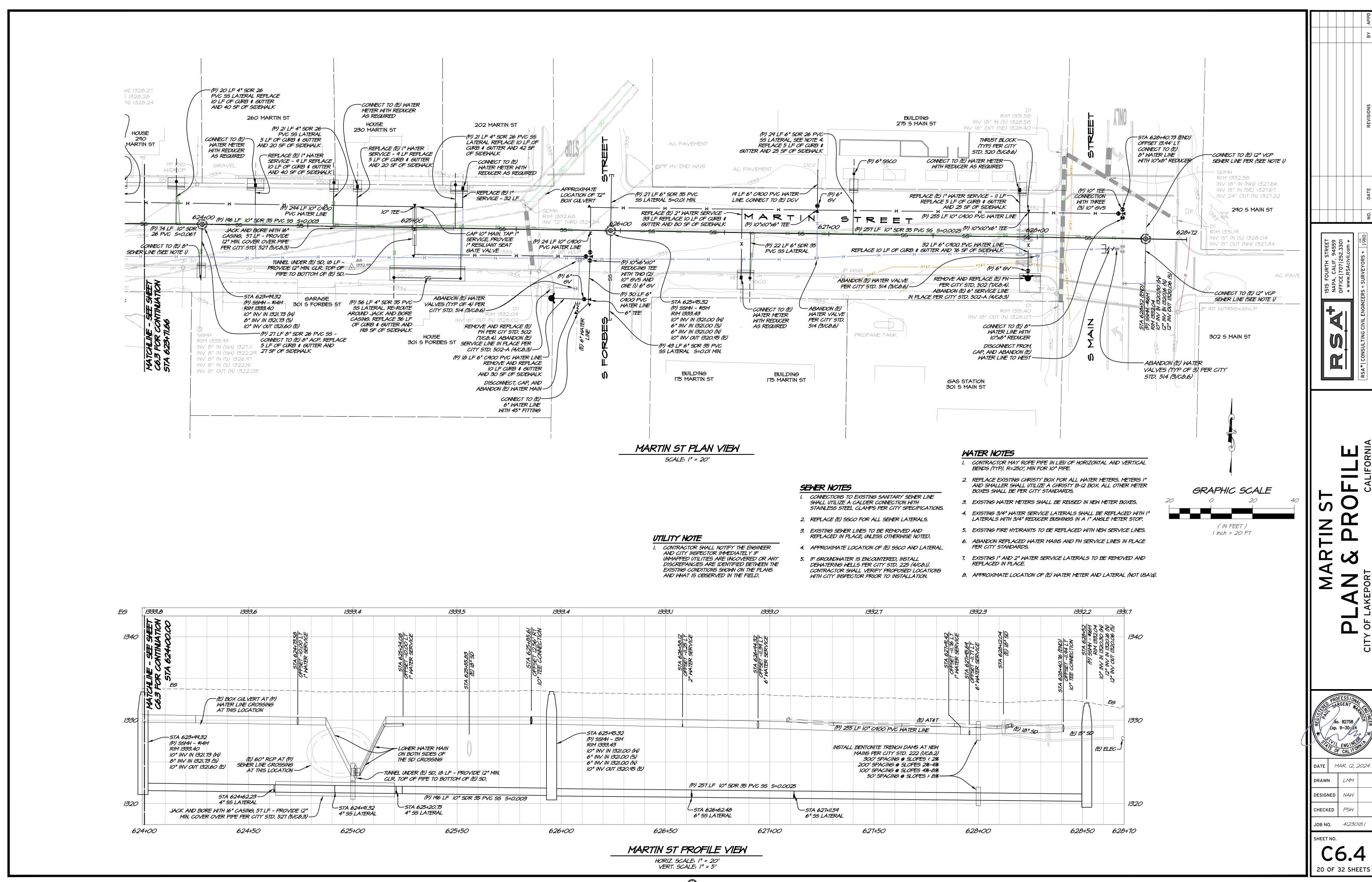
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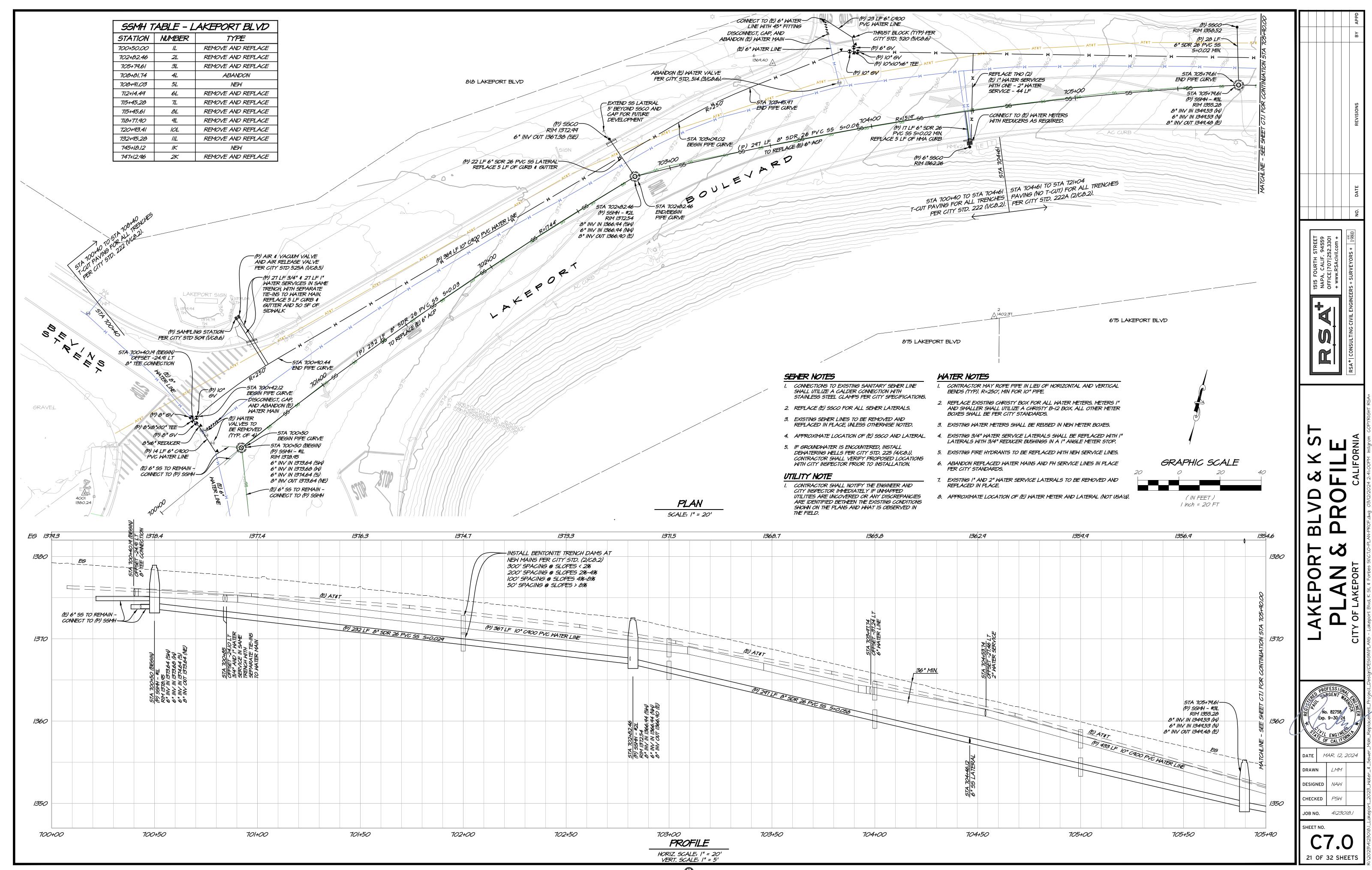


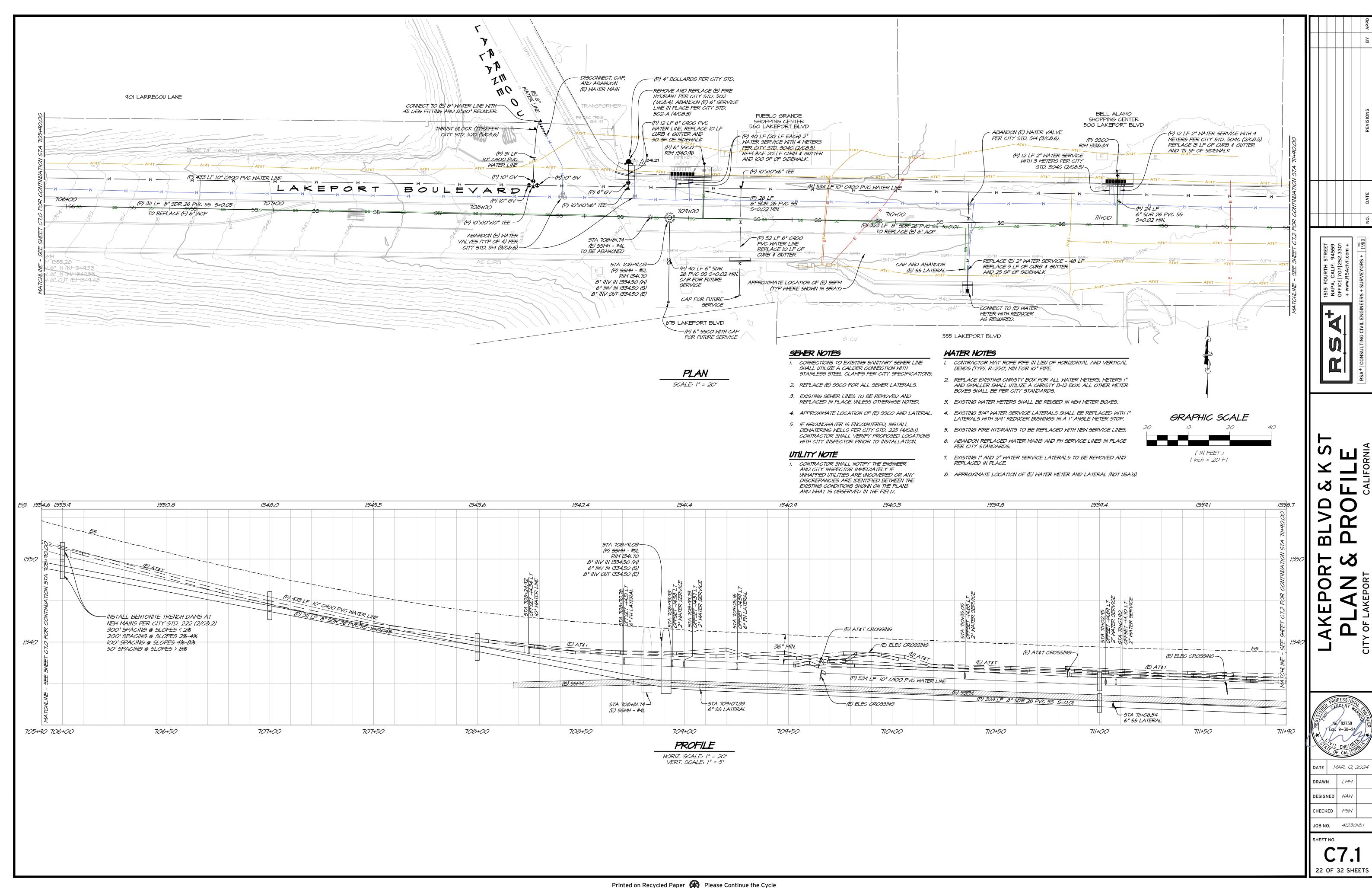


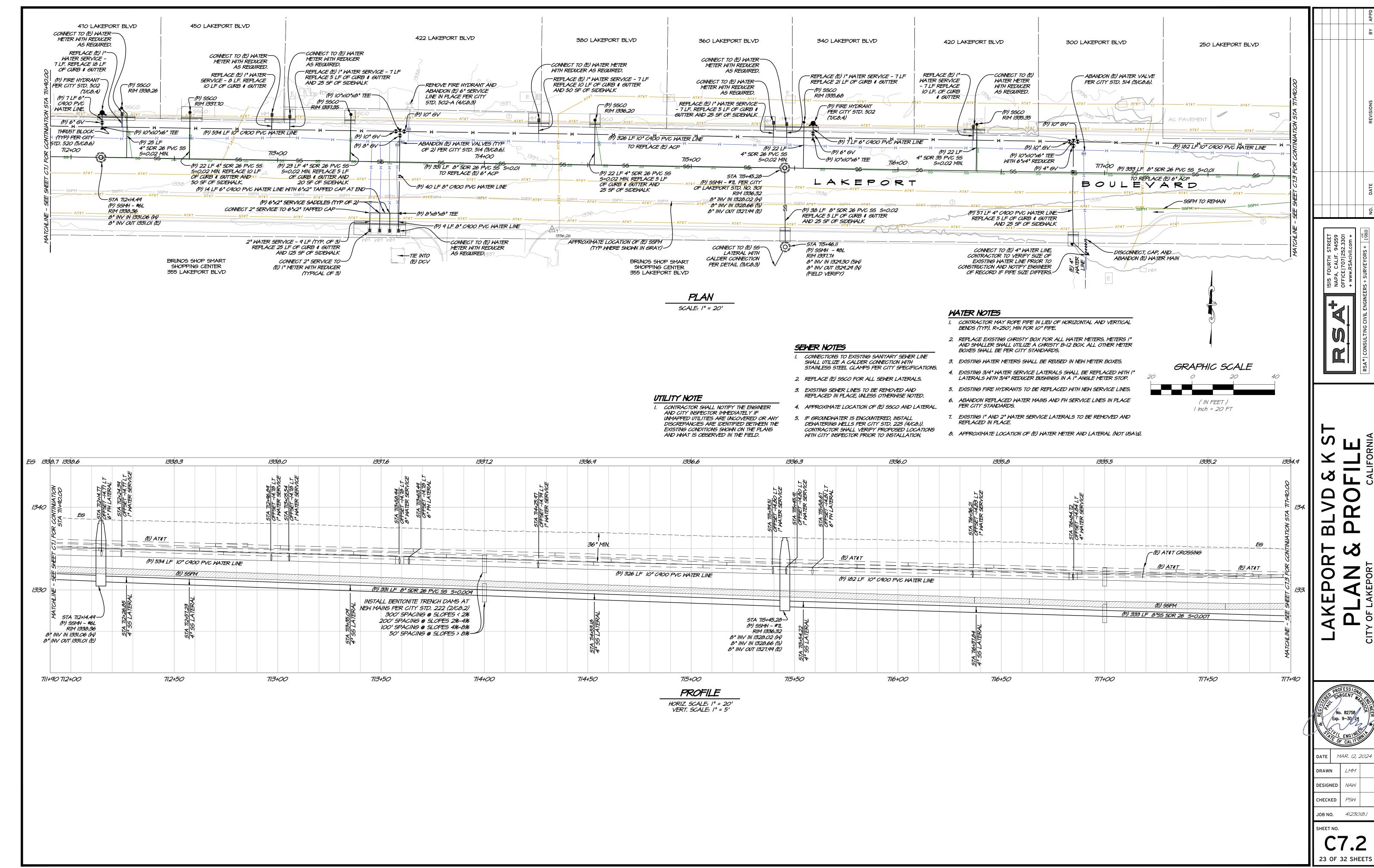


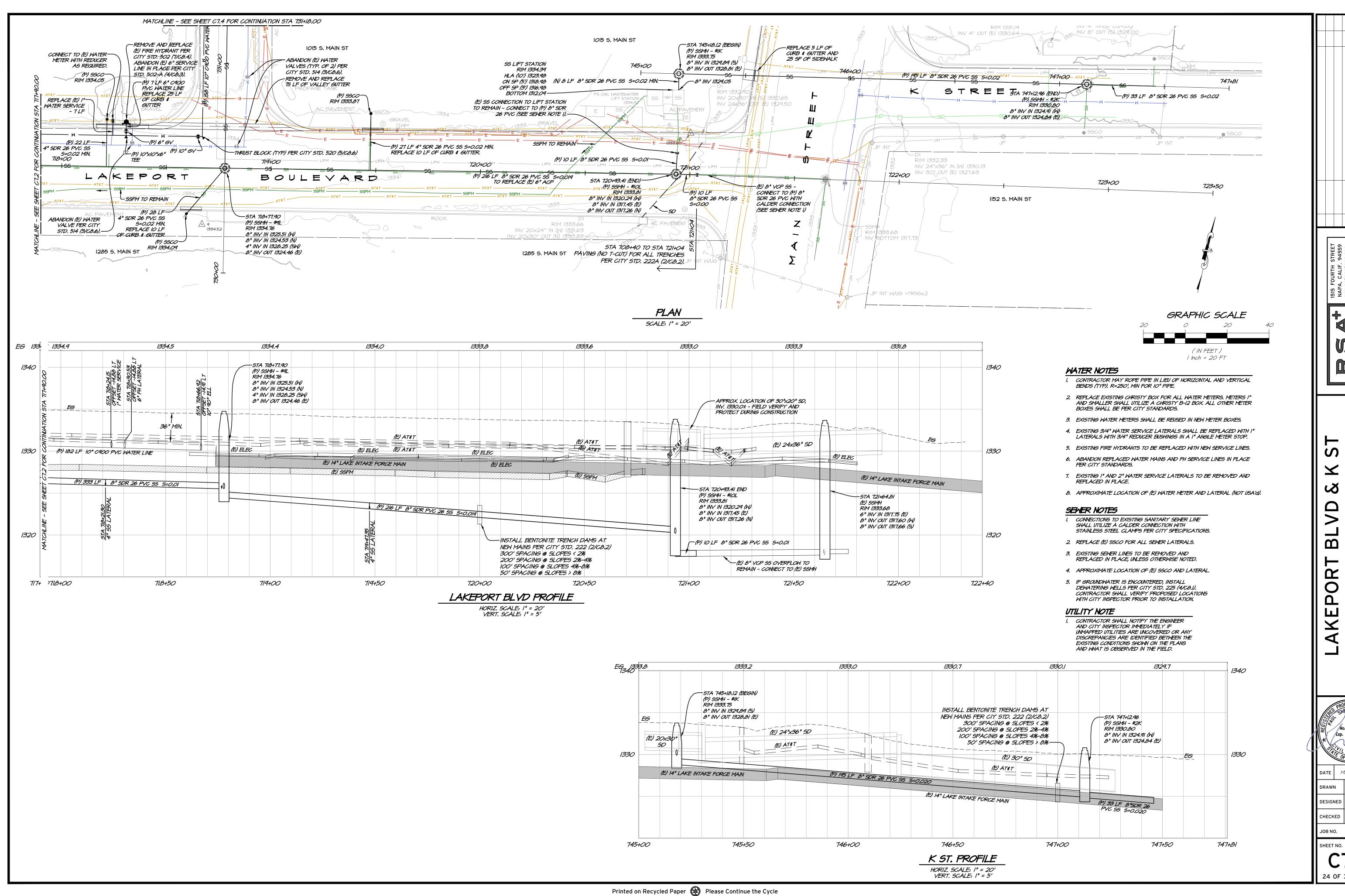


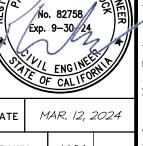












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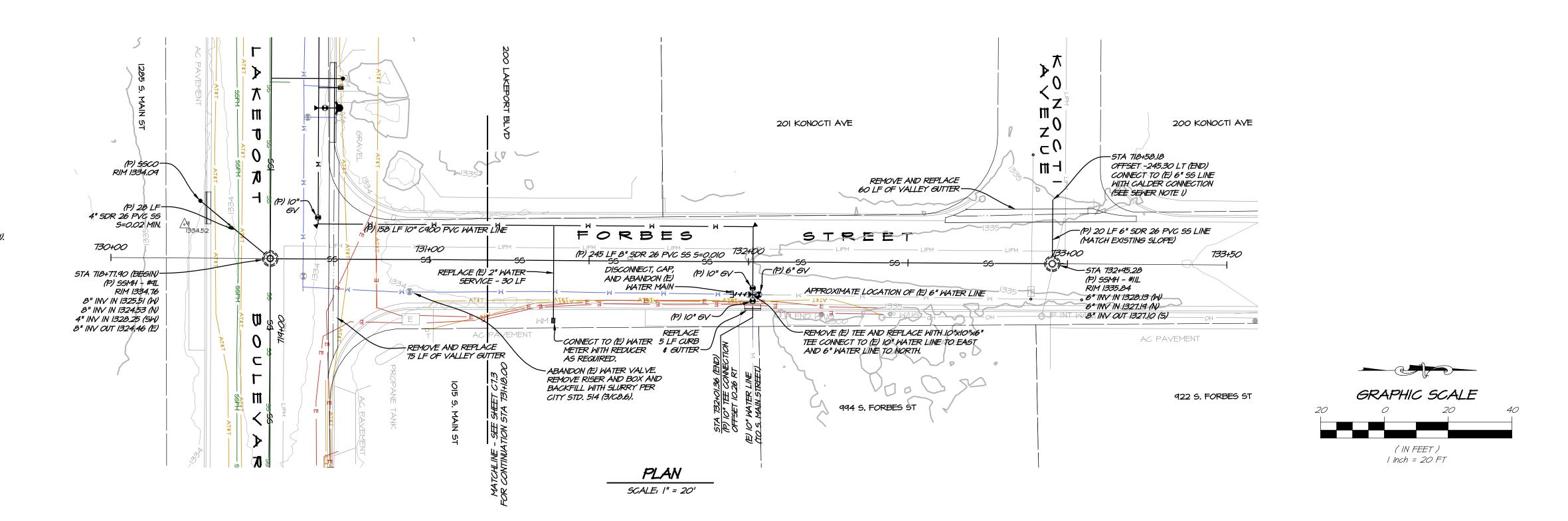
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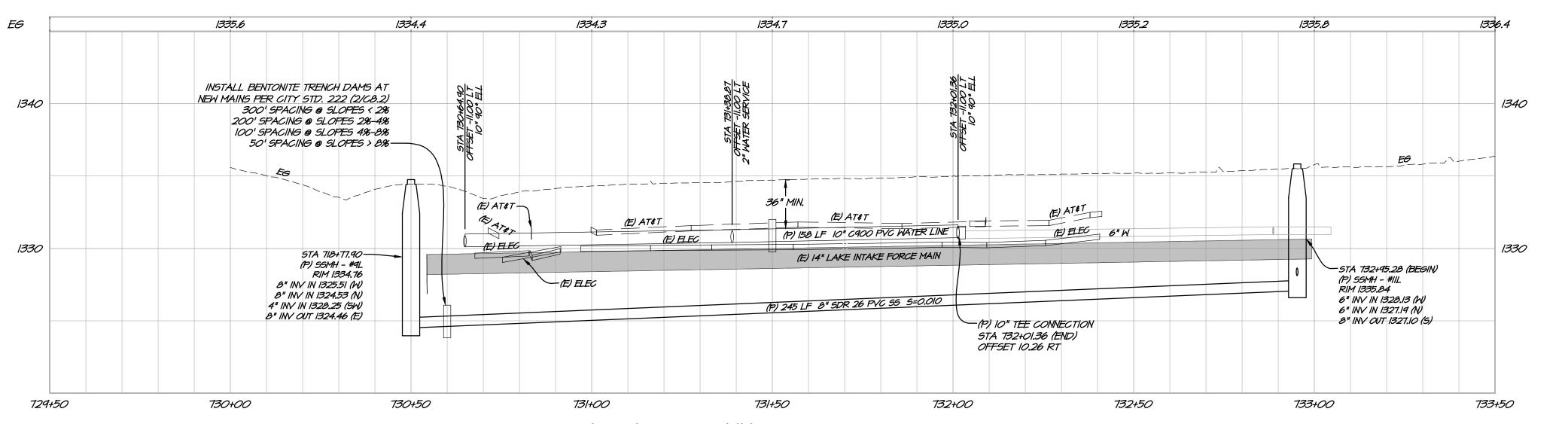
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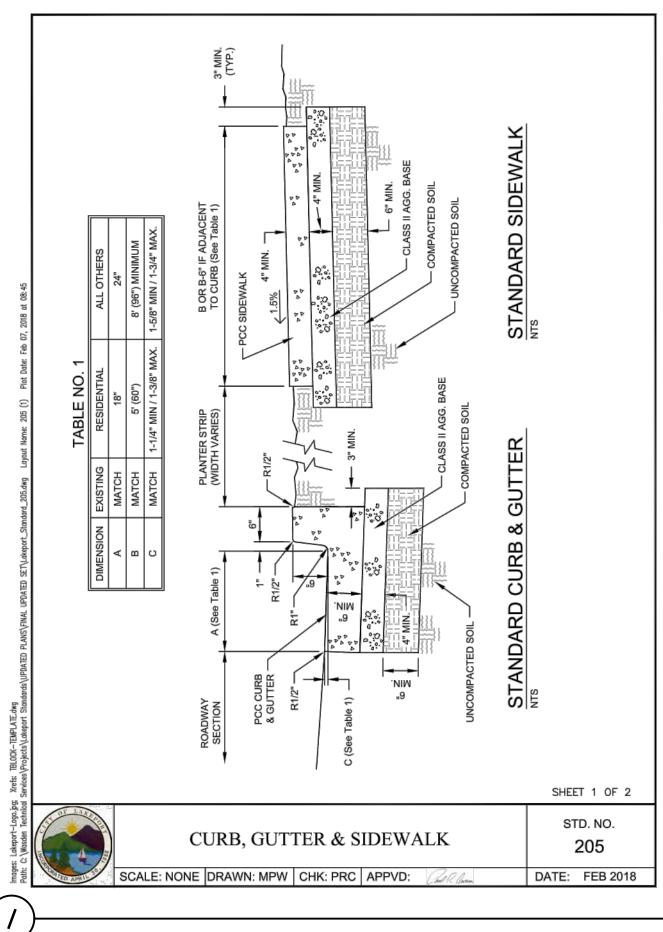


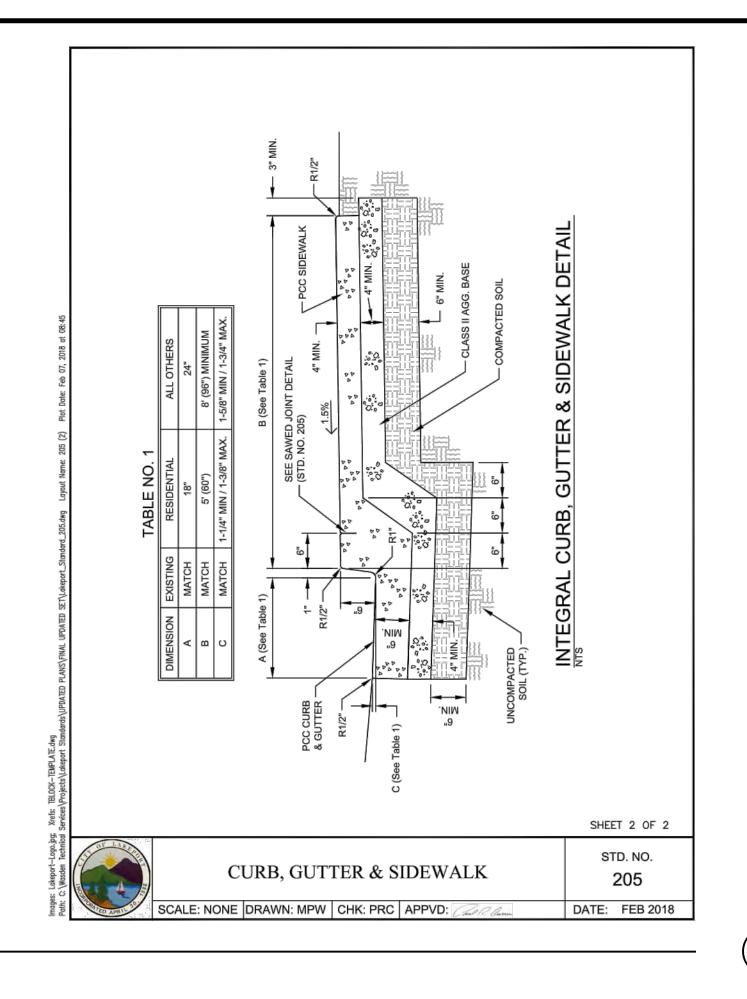


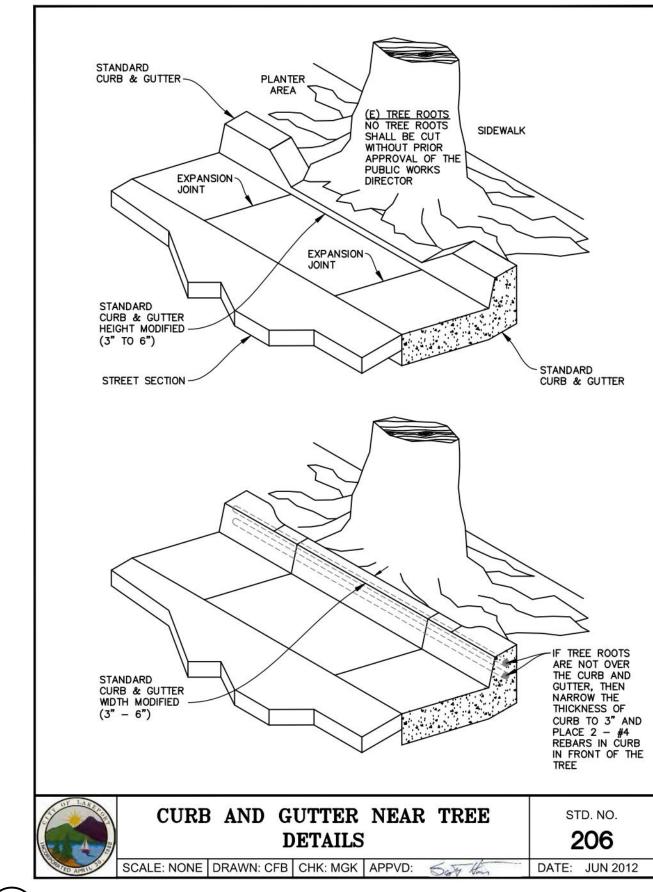
FORBES ST. PROFILE HORIZ. SCALE: |" = 20' VERT. SCALE: |" = 5'

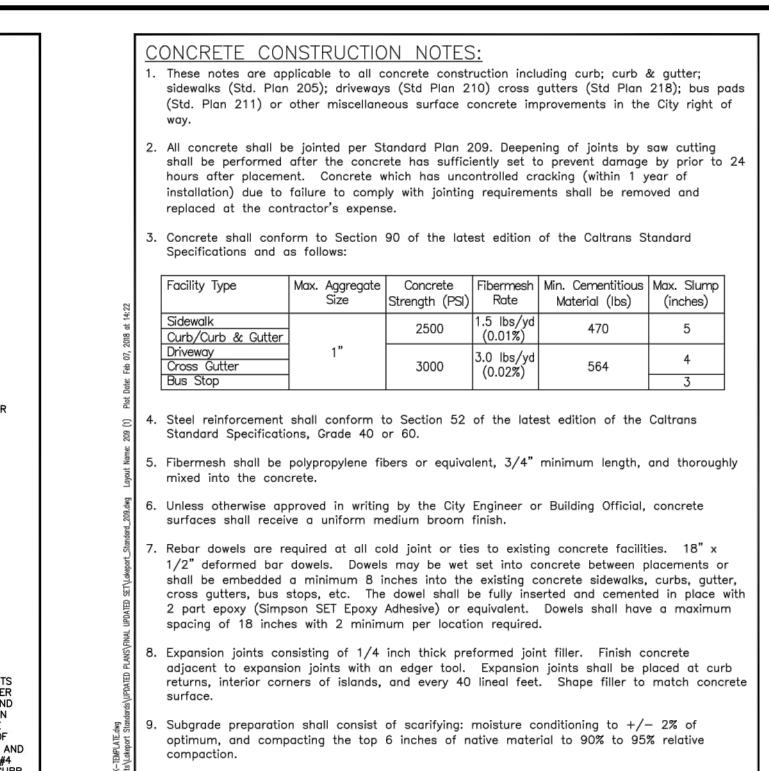
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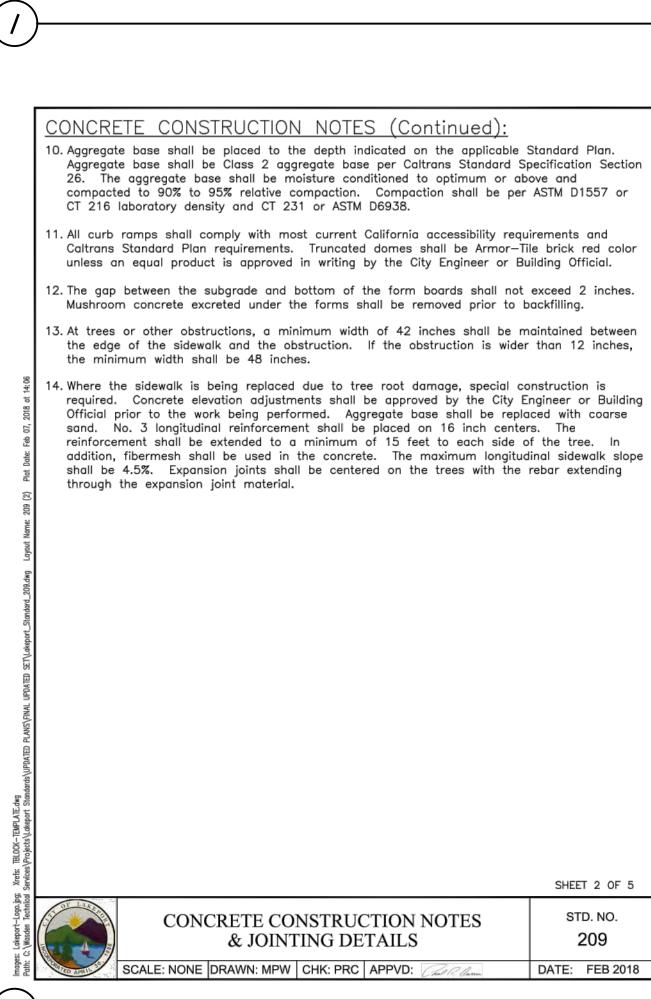


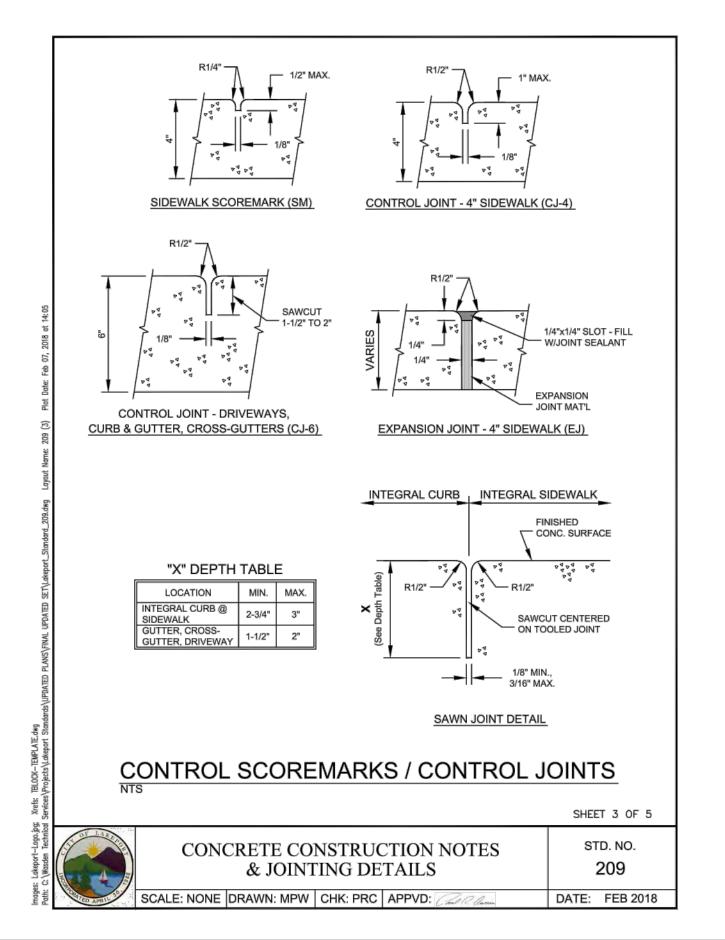
CONCRETE CONSTRUCTION NOTES

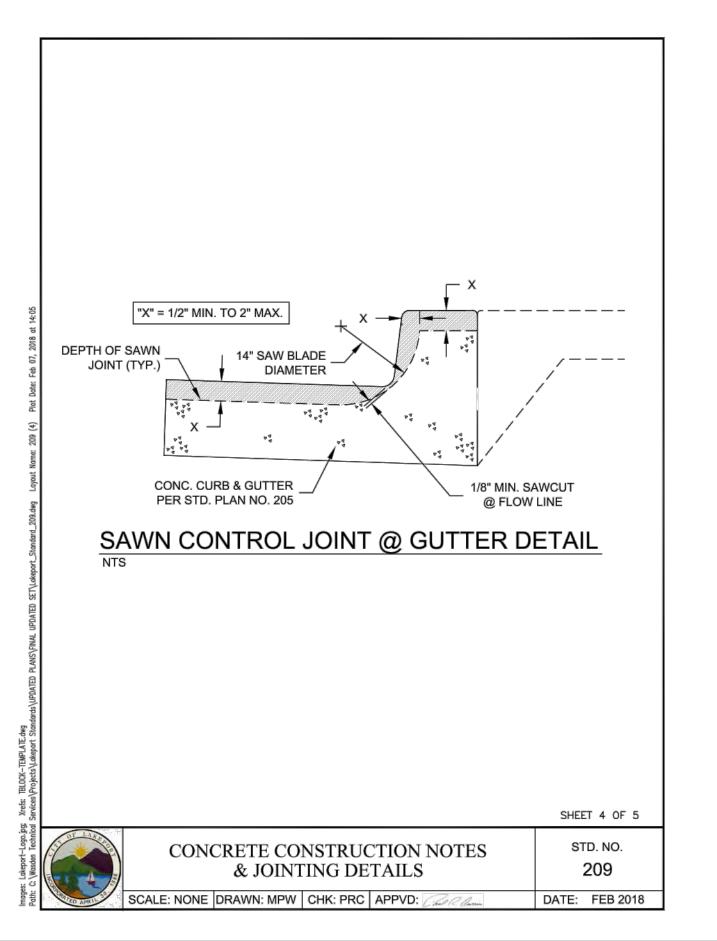
& JOINTING DETAILS

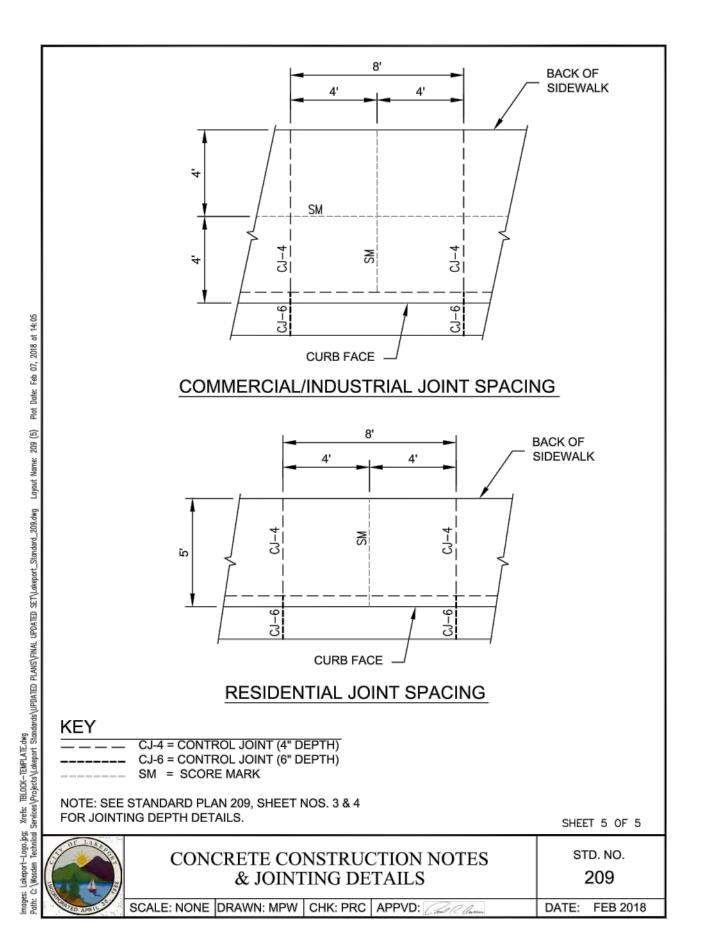
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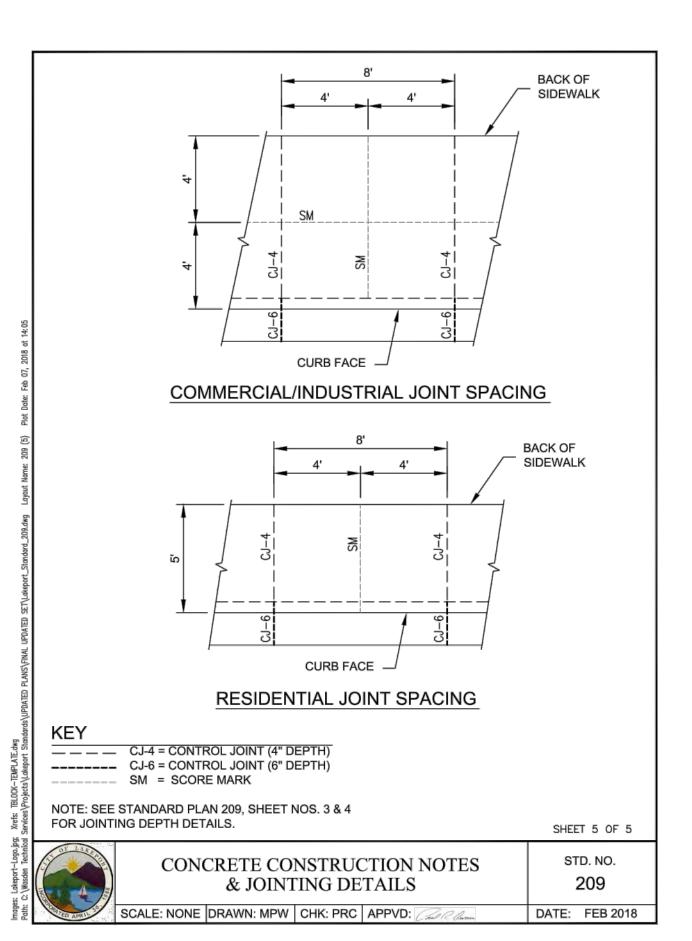
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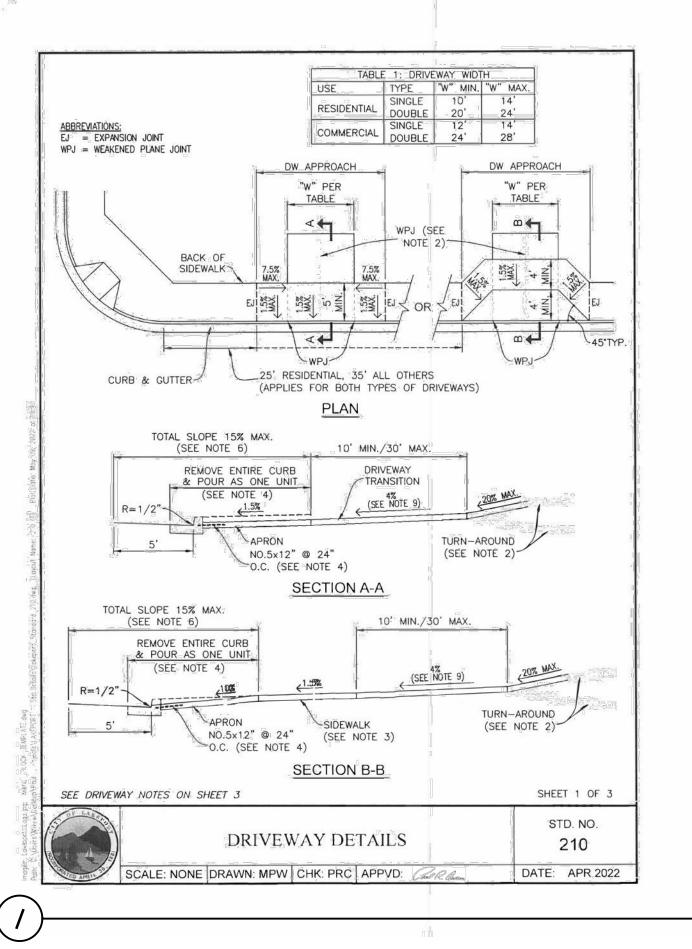
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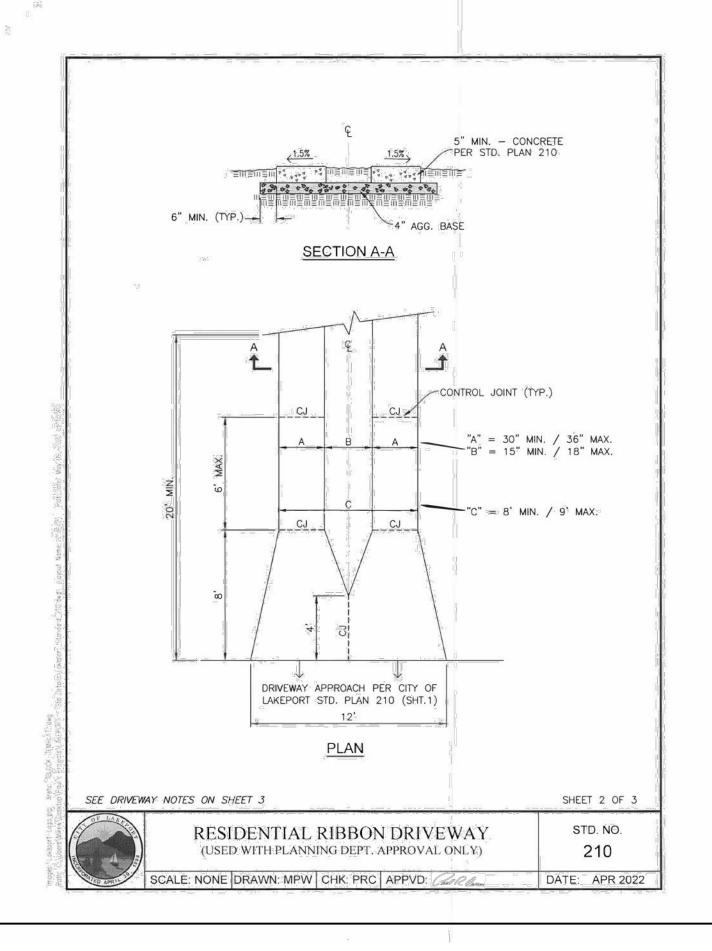
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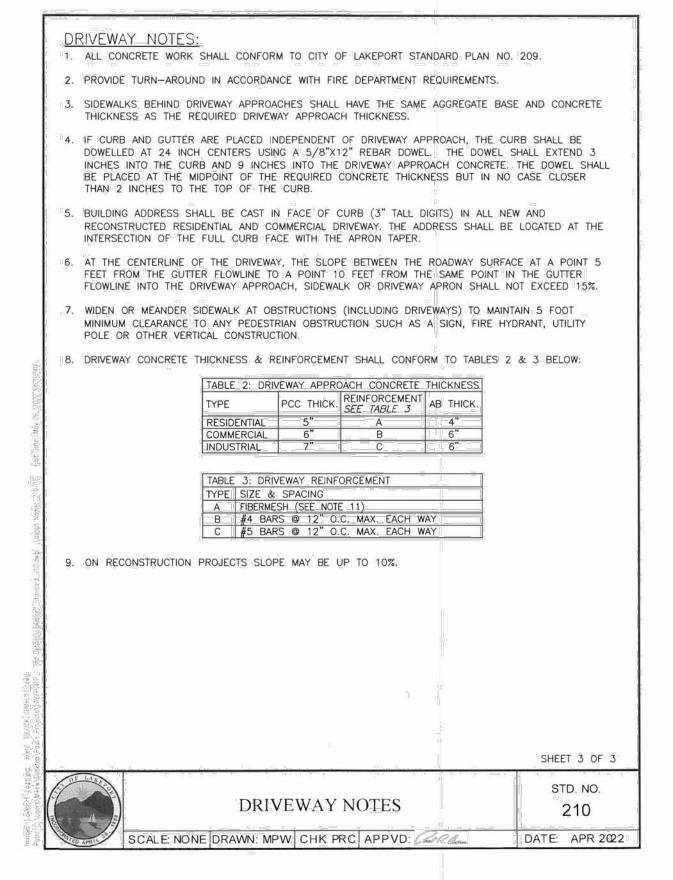
26 OF 32 SHEETS

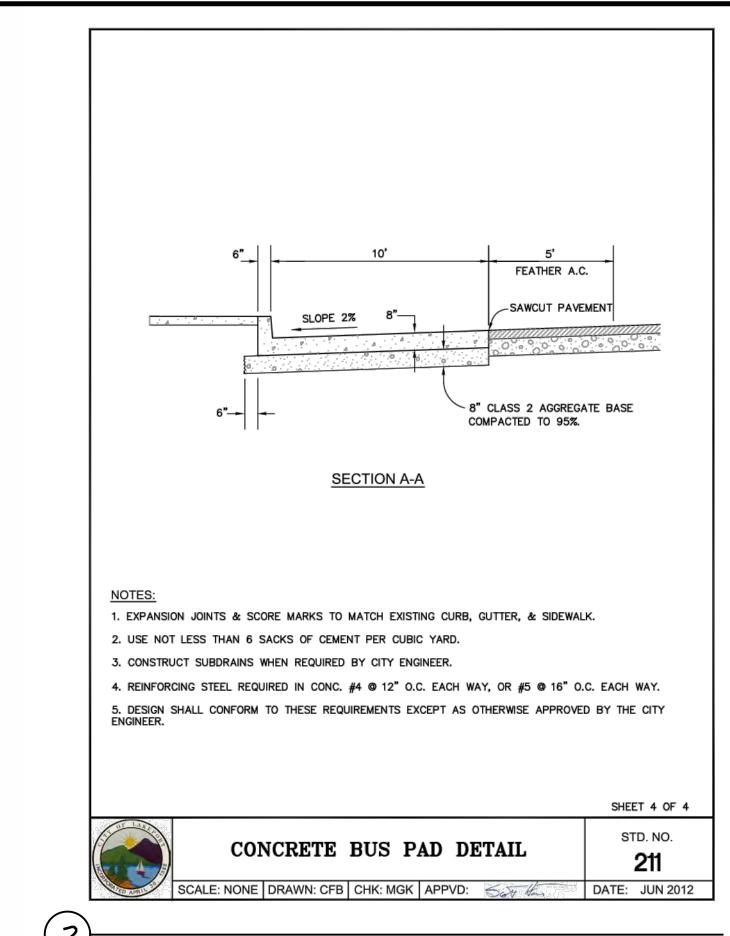
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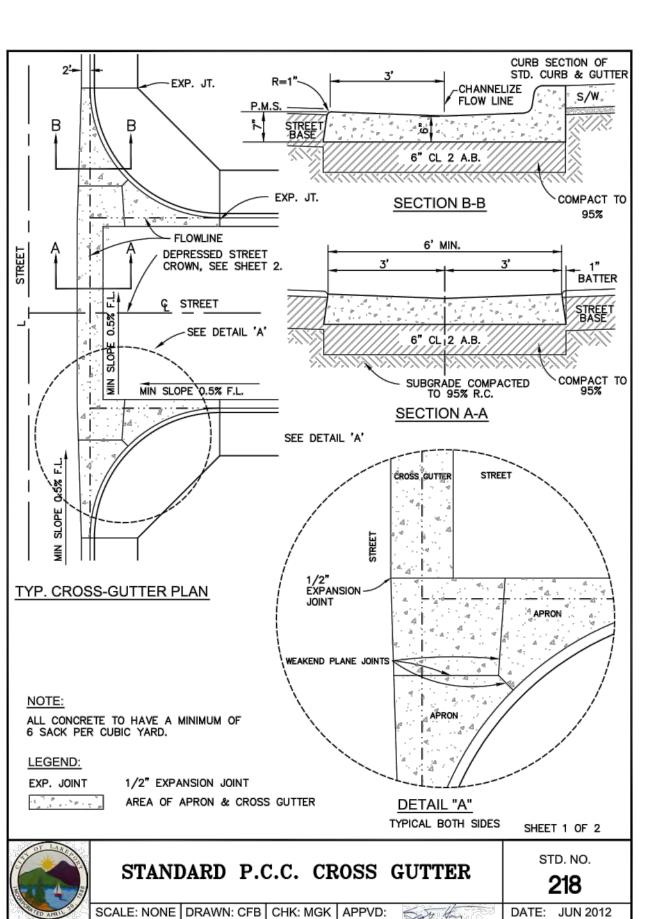
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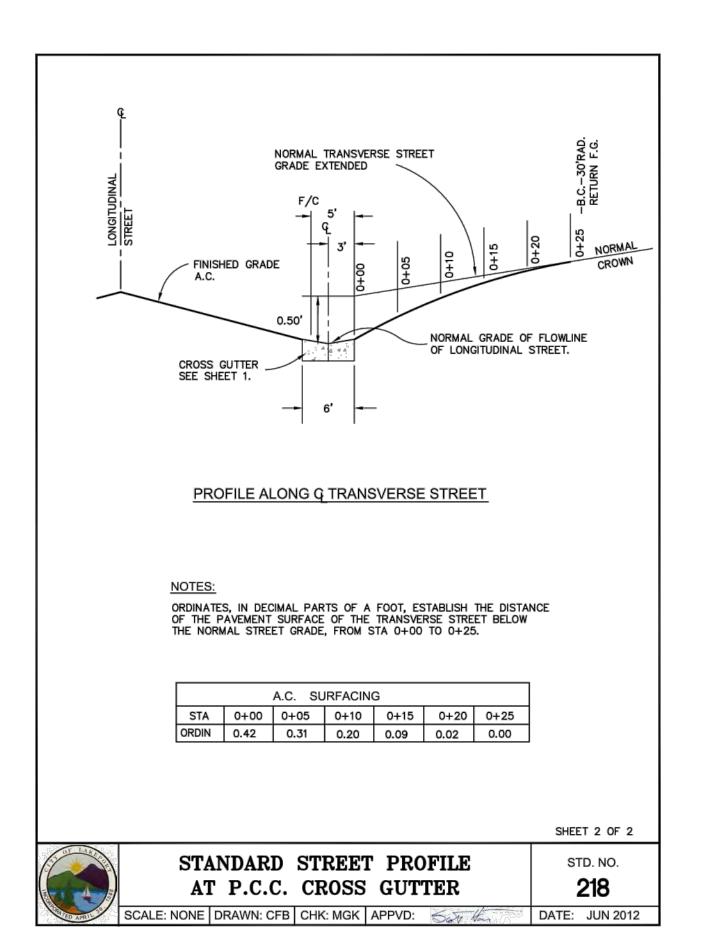


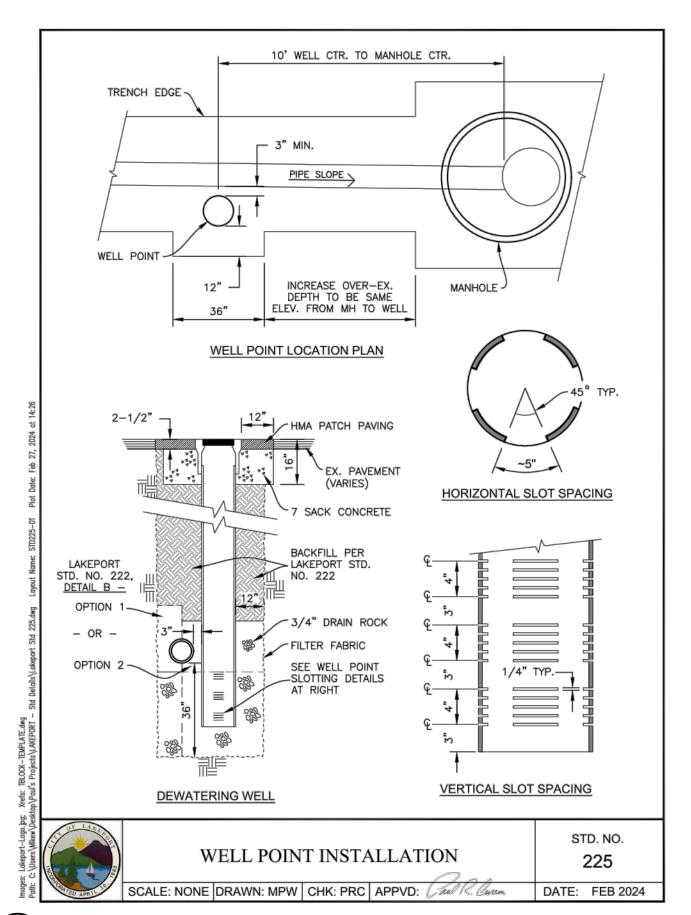


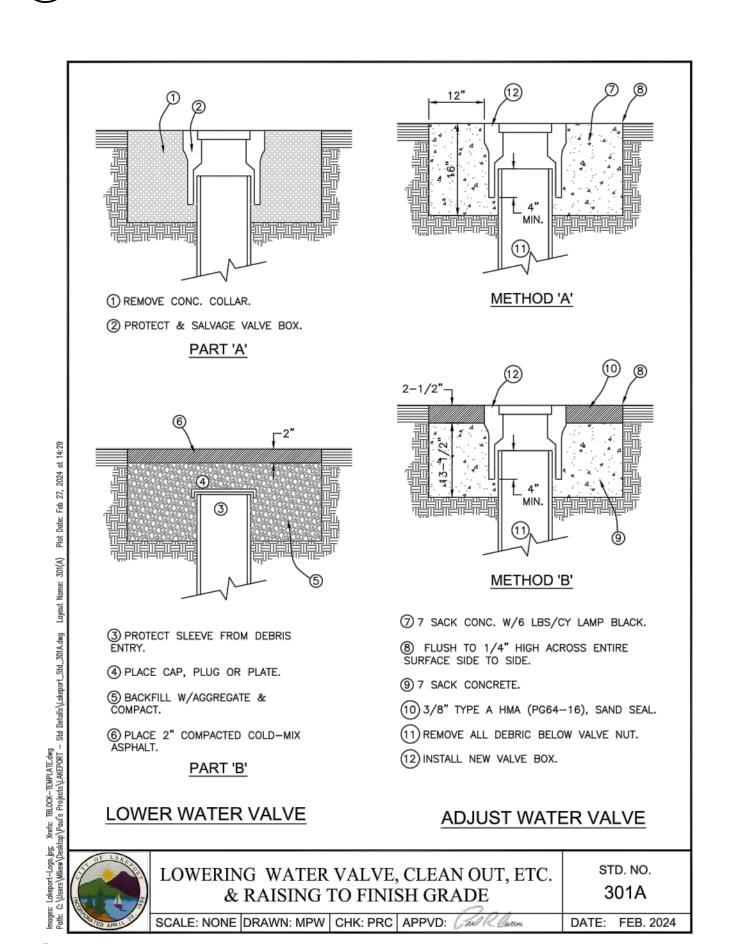


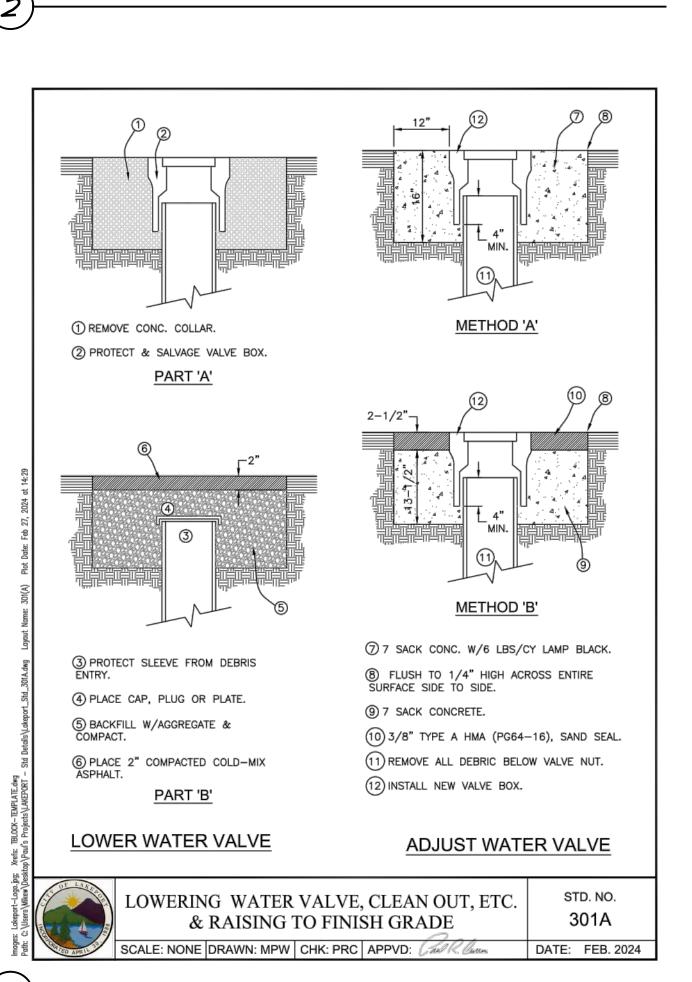












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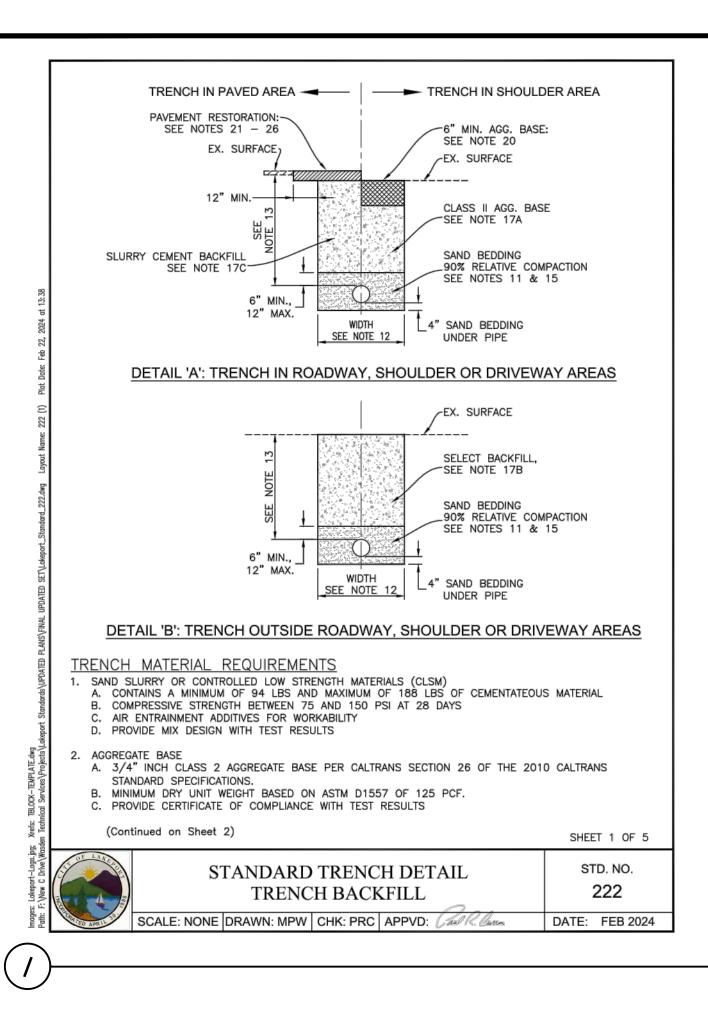
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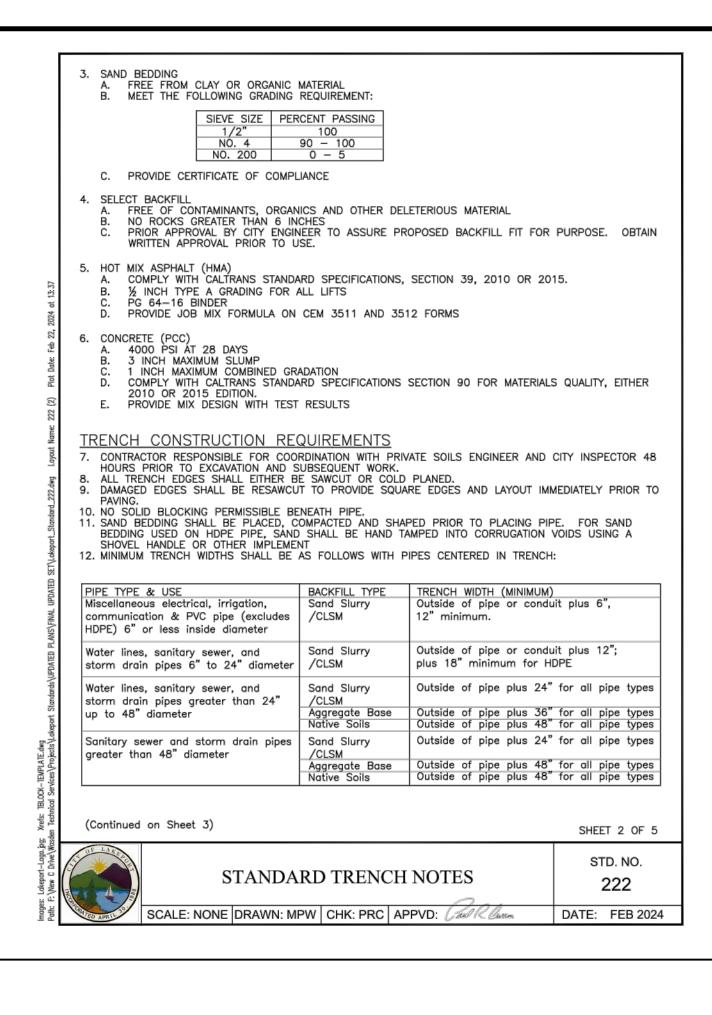
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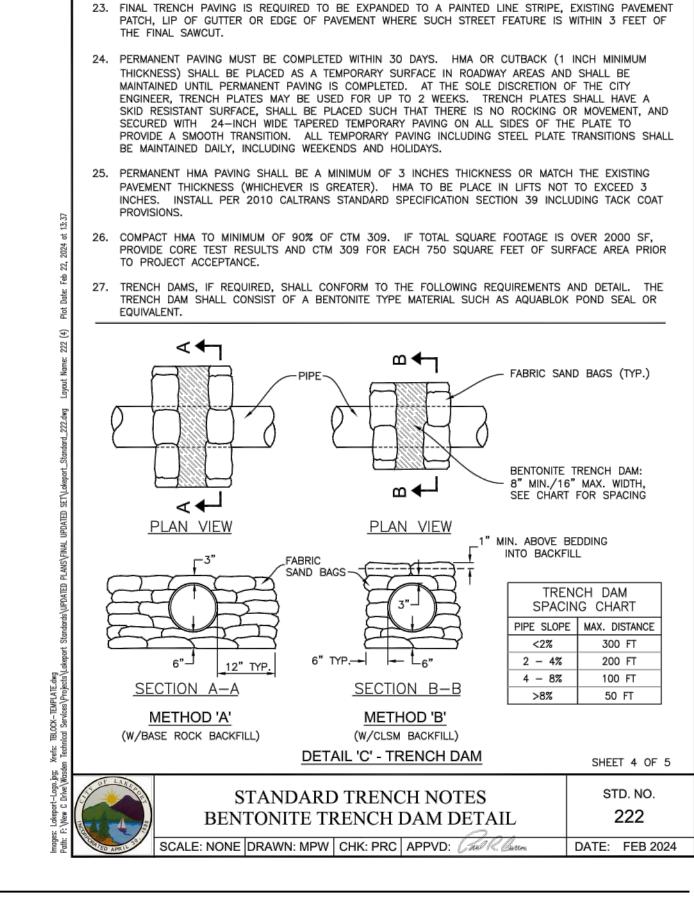
27 OF 32 SHEETS

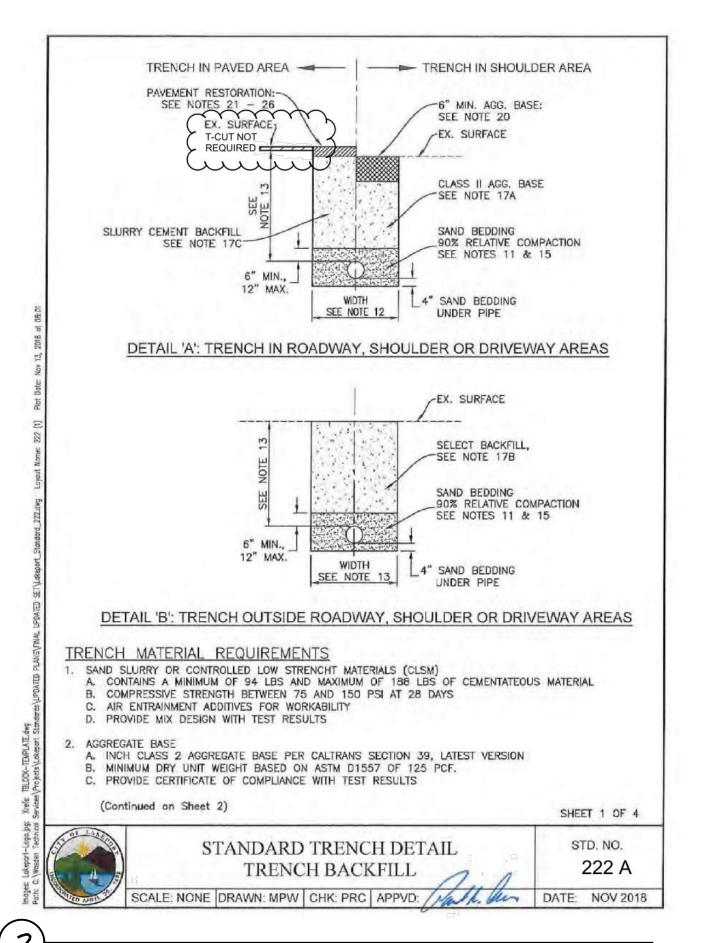
MAR. 12, 2024

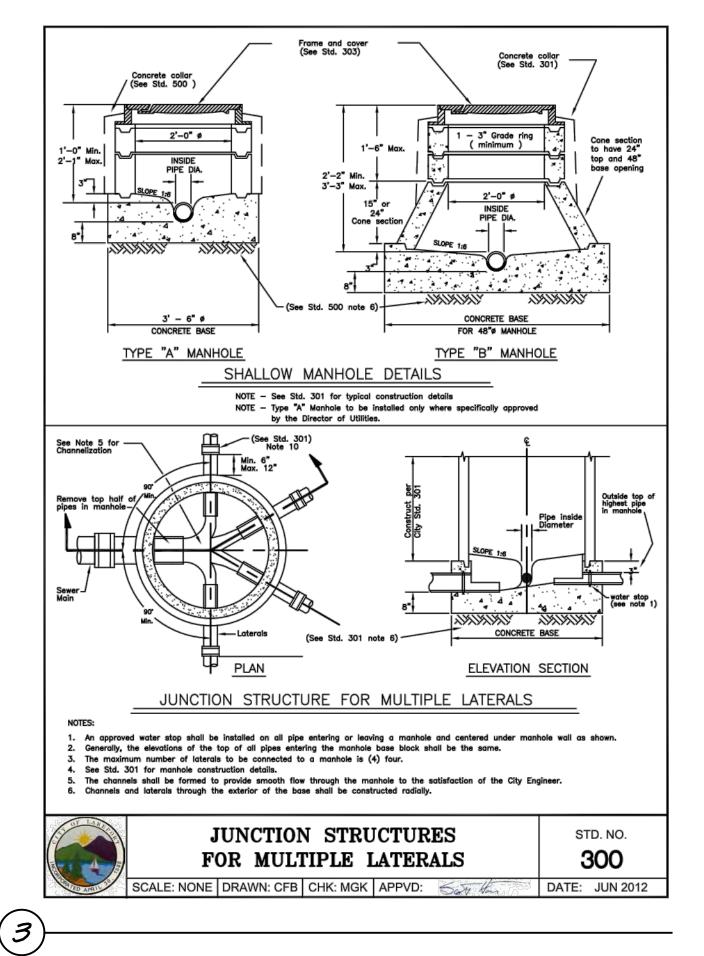


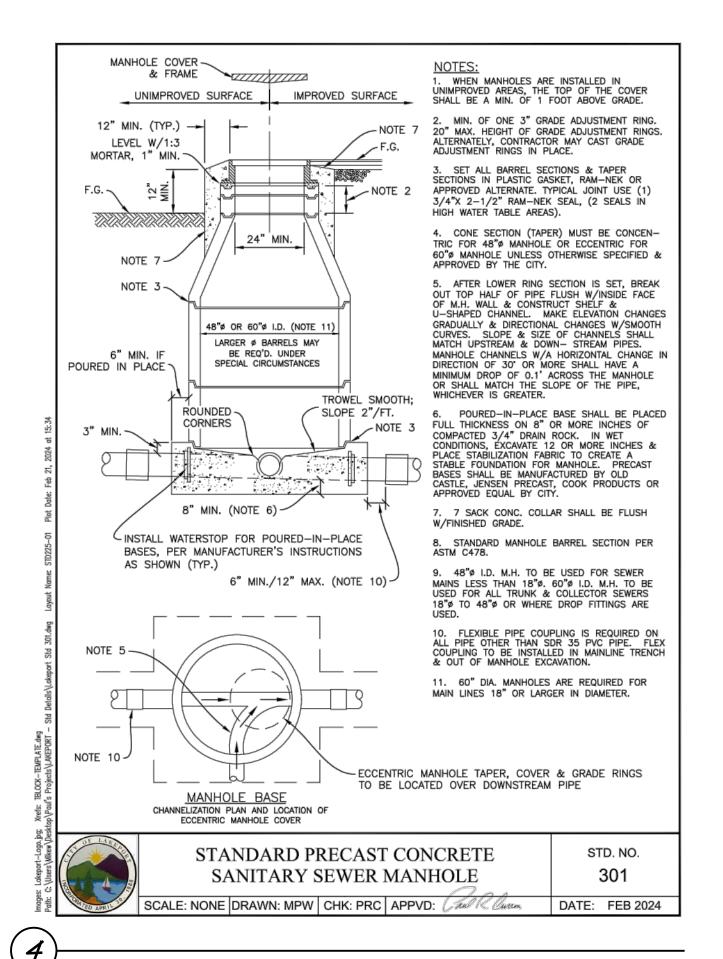


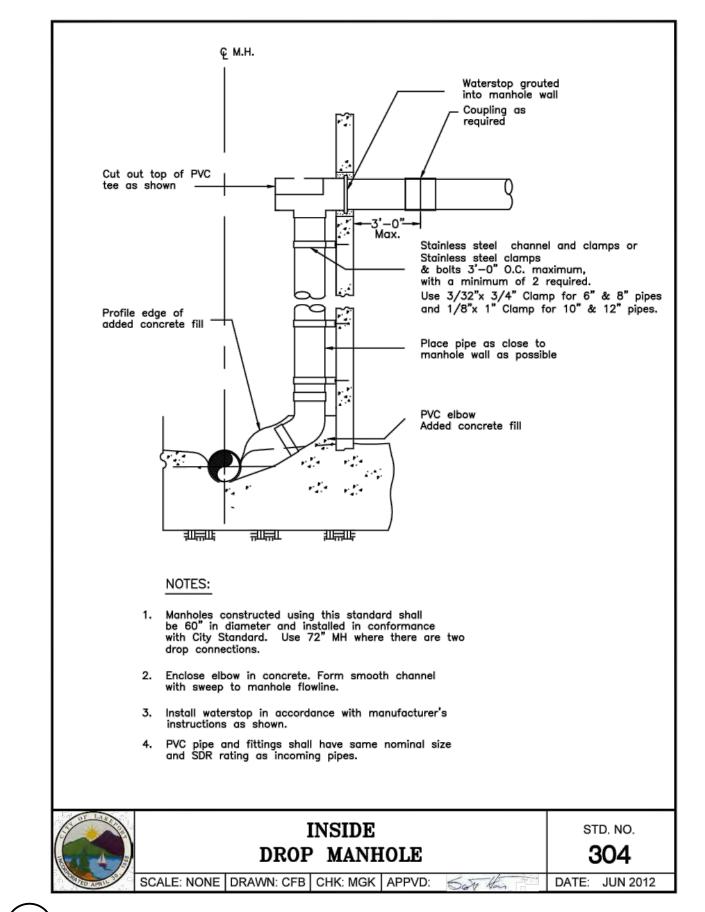
	PIPE TYPE & USE Communication conduits and sleeves with	MINIMUM DEPTH 24 INCHES		
	24 volts or less, irrigation water, sewer and other pipes or conduits.	2		
	Communication conduits and sleeves with voltages greater than 24 volts	30 INCHES		
	Water service lines	30 INCHES		
	All water line mains	36 INCHES		
3	SAND SLURRY OR OTHER CITY ENGINEER PREMAIN PERMEABLE BACKFILL TO PREVENT WATER MISUCH THAT THERE IS A MINIMUM OF 12 INCHEST THE SAND BEDDING. CUT OFF DAMS SHALL BE TO 5% AND EVERY 50 FEET FOR TRENCH SLOT REQUIRE CUT OFF DAMS.	GRATION. SAND SLURRY DAMS S (MAXIMUM OF 30 INCHES) OF E PLACED EVERY 100 FEET FOR	SHALL BE CONSTRUCTION SAND SLURRY DIVIDING TRENCH SLOPES OF 2	
<u>BAC</u> 15.	KFILL COMPACTION AND TESTING REQUIREMENTS SAND BEDDING SHALL BE COMPACTED USING A BE FULLY WETTED BUT NOT FLOODED PRIOR TO	VIBRAPLATE TYPE COMPACTOR. COMPACTION. 90% RELATIVE	SAND BEDDING SHALL COMPACTION REQUIRES	
16.	NO JETTING ALLOWED FOR ANY BACKFILL OR BE	EDDING TYPE.		
3	COMPACTION TESTING REQUIREMENTS: A. UNDER UNPAVED SHOULDERS: 95% RELATIVE	/E COMPACTION FROM BEDDING	TO SURFACE FOR ALL	
277	MATERIAL TYPES. B. UNIMPROVED AREAS: 90% RELATIVE COMPA			
Layout maries, 24.6	RELATIVE COMPACTION IN TOP 12 INCHES OF C. UNDER ROADWAY AREAS: SAND SLURRY REQ COMPACTION TESTING REQUIRED.			
18.		GREGATE BASE AND SELECT BACKFILL REQUIRES CONTINUOUS MONITORING AND TESTING BY A SOILS SINEER HIRED BY THE DEVELOPER OR CONTRACTOR.		
19.	TRENCH COMPACTION TESTING DETAILS A. LABORATORY DENSITY: ASTM D1557 (DRY)	OR CTM216G (WET)		
DEI /LOKE	 B. FIELD DENSITY: ASTM D6398 C. ONE TEST FOR EACH 200 LINEAL FEET OF DEPTH OR PORTION THEREOF. 3 TEST LOC D. PROVIDE TEST RESULTS PRIOR TO HMA PAV 	ATIONS PER LIFT MINIMUM.	2 INCHES OF TRENCH	
<u>PA</u>	VEMENT RESTORATION			
20.	UNPAVED SHOULDERS SHALL HAVE AN AGGREGA			
21.	CONCRETE STREETS SHALL BE REPLACED TO MACONCRETE SHALL BE 4000 PSI. PLACE 18 INCINCH ON CENTER ALONG ALL EDGES. PROTECT STEEL PLATES FOR A MINIMUM OF 10 CALENDA PERPENDICULAR TO TRAFFIC.	CH LONG X 5/8 INCH DIAMETER	REBAR DOWELS AT 24	
Tojecis/Lukepi	WHERE EXISTING STREET IS CONCRETE OVERLAID REPLACED TO MATCH THE EXISTING THICKNESS 18 INCH LONG X 5/8 INCH DIAMETER REBAR DEPROTECT CONCRETE AFTER PLACEMENT WITH 1 CALENDAR DAYS PRIOR TO PAVING. HMA PAVING THICKNESS.	PLUS 1 INCH. CONCRETE SHA OWELS AT 24 INCH ON CENTER INCH MINIMUM STEEL PLATES F	LL BE 4000 PSI. PLA R ALONG ALL EDGES. OR A MINIMUM OF 10	
	(Continued on Sheet 4)		SHEET 3 OF	
E ST			STD. NO.	
	STANDARD TR	ENCH NOTES	222	
CONTROL OF	SCALE: NONE DRAWN: MPW CHK:	PRC APPVD: Caul R. Cura	DATE: FEB 20	
		100		

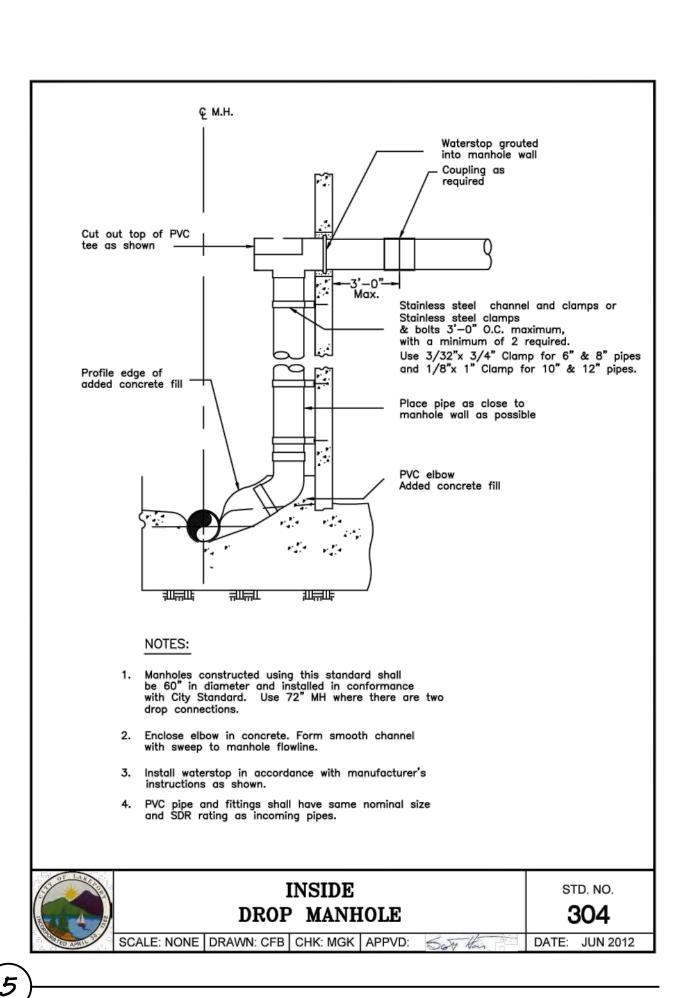












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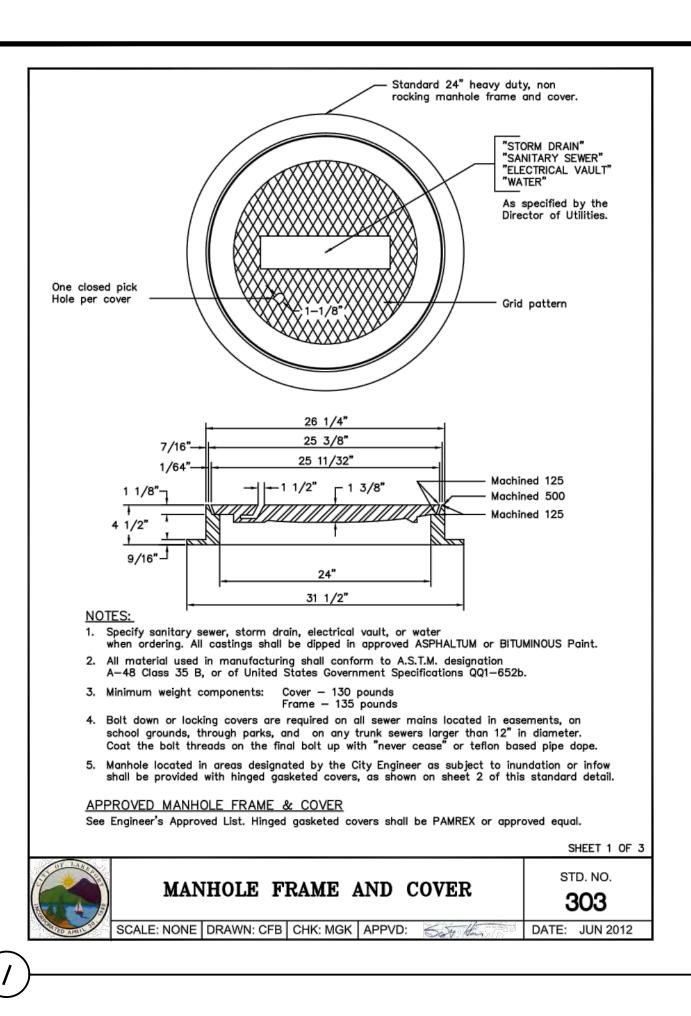
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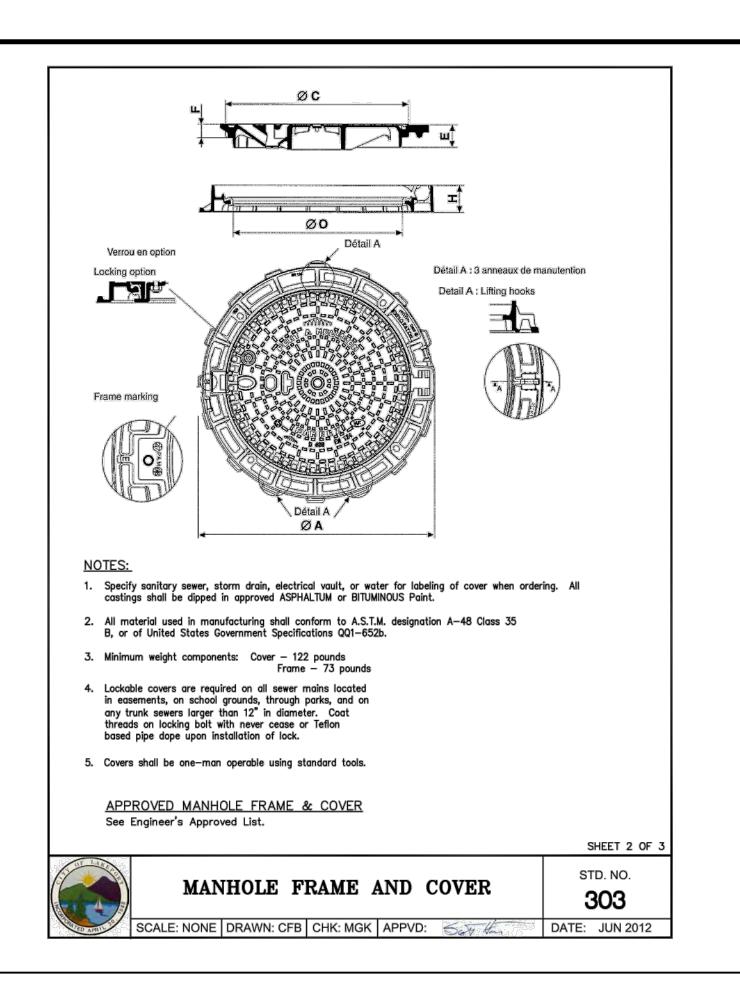
MAR. 12, 2024 DRAWN DESIGNED NAW

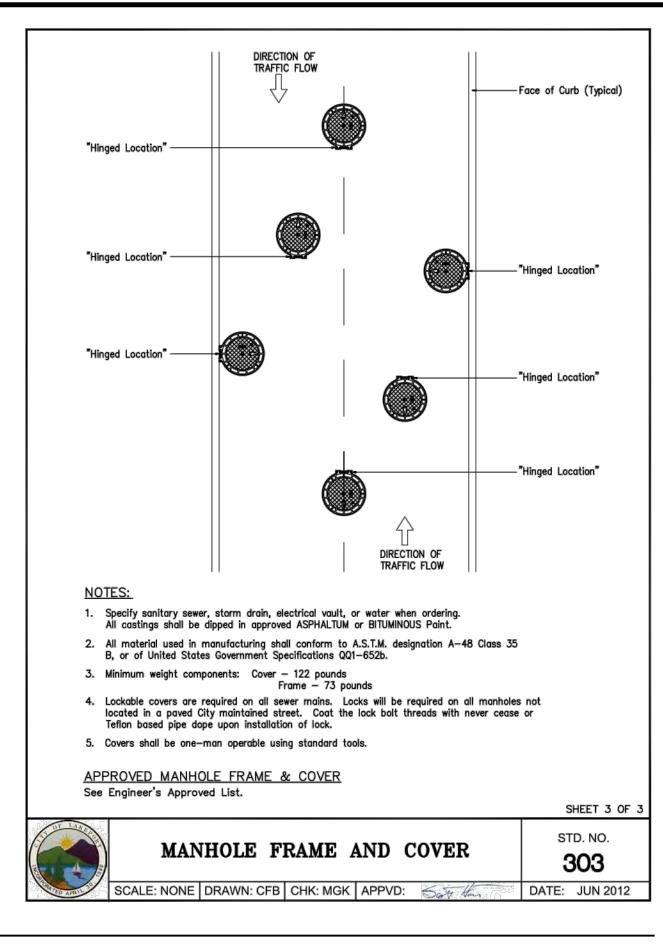
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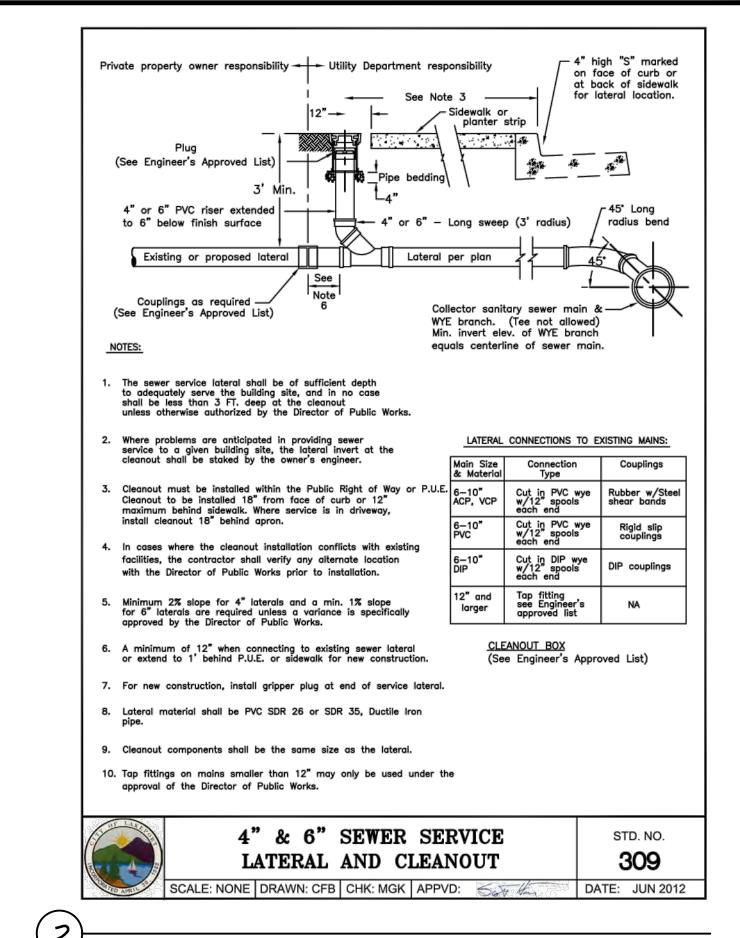
JOB NO. 4123018.1

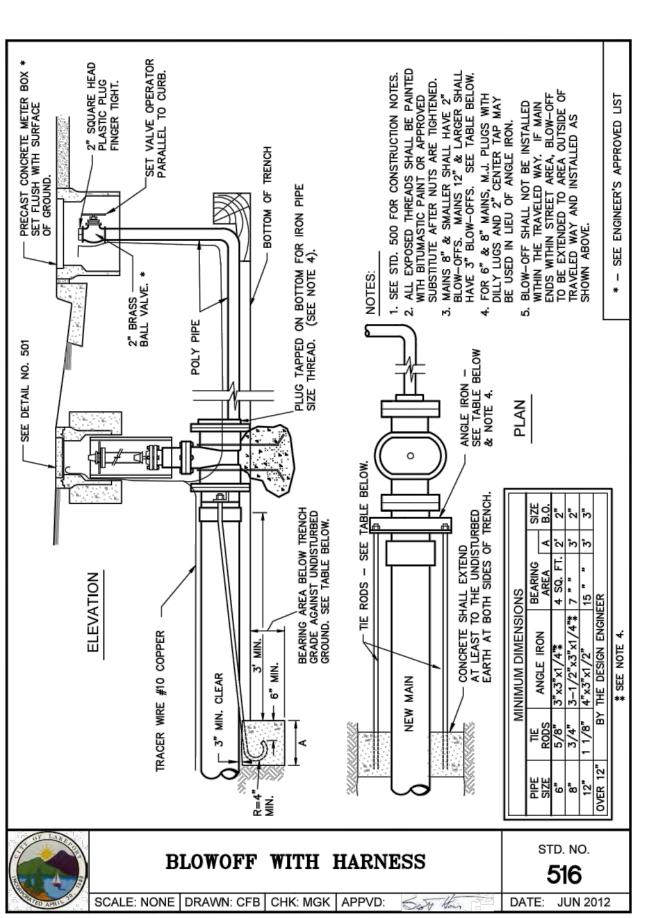
C8.2 28 OF 32 SHEETS

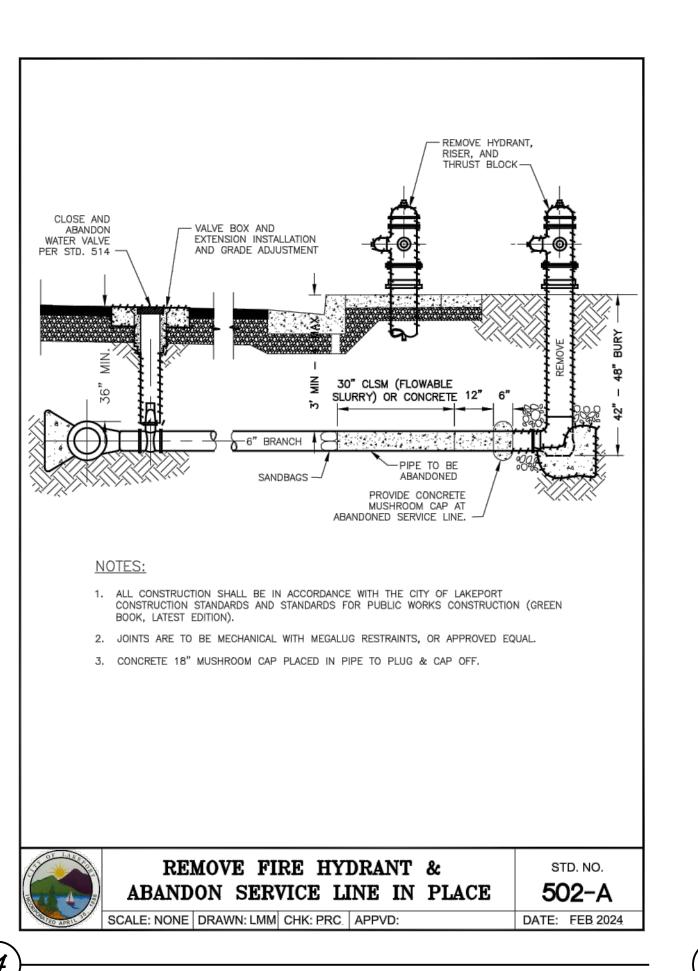


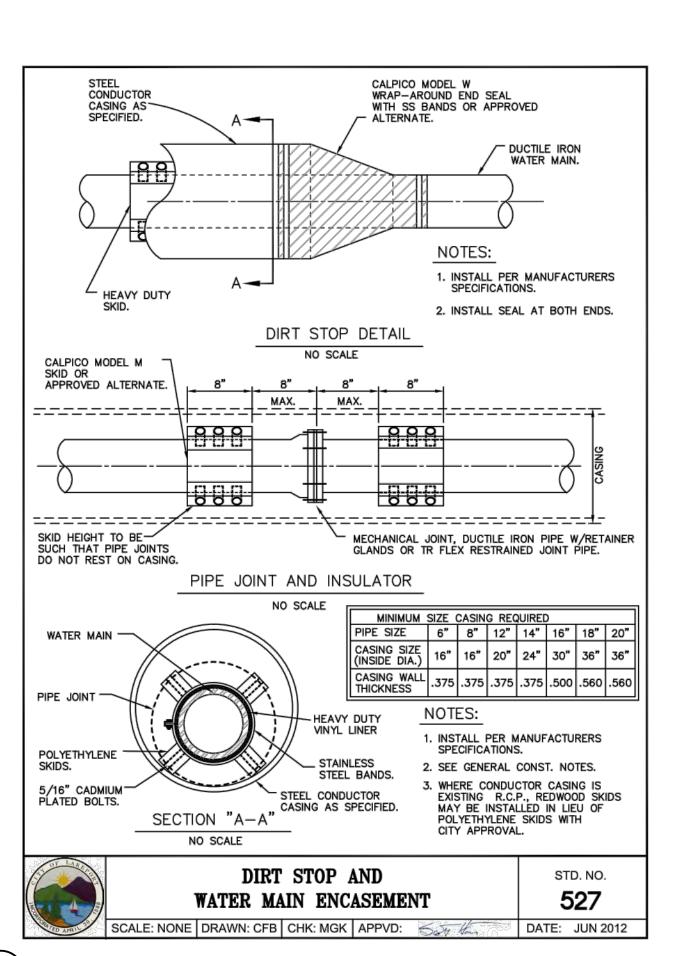


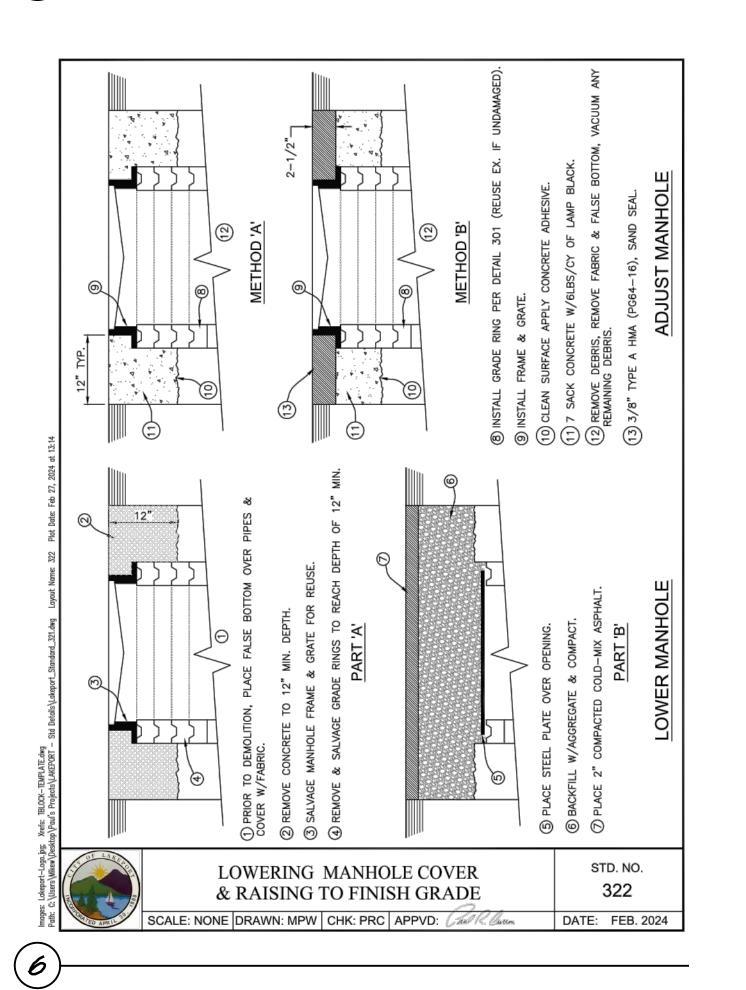














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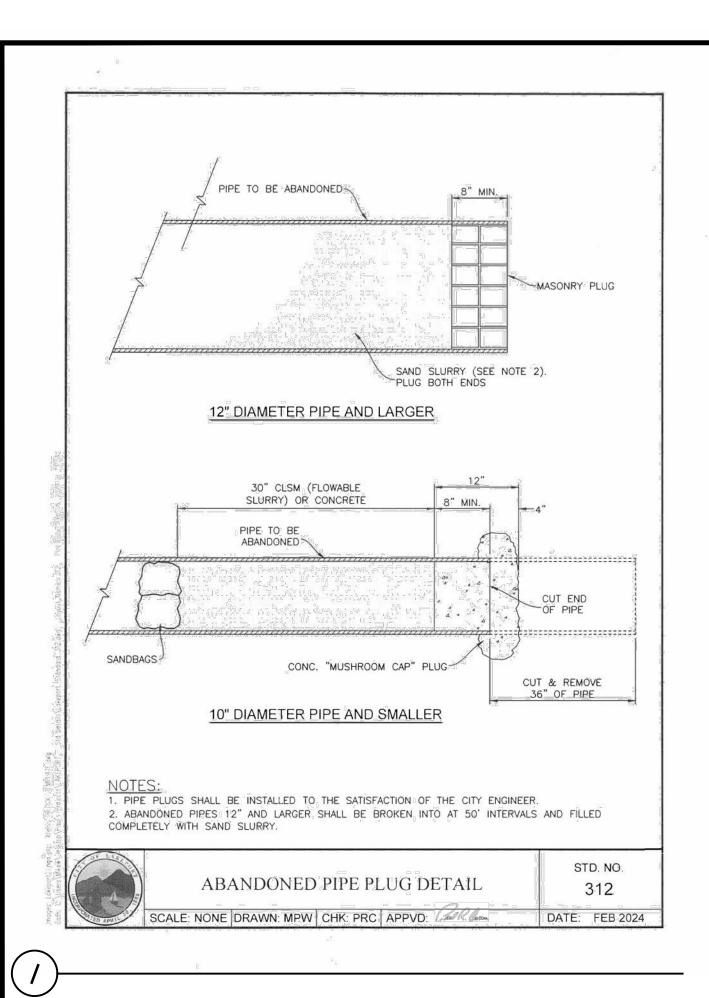
29 OF 32 SHEETS

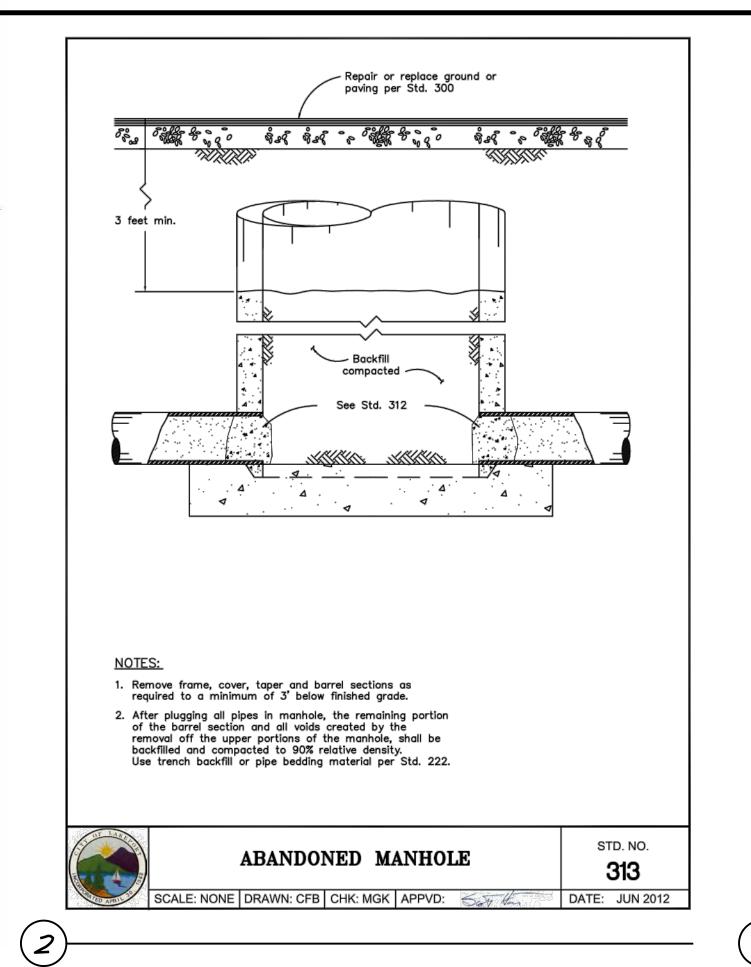
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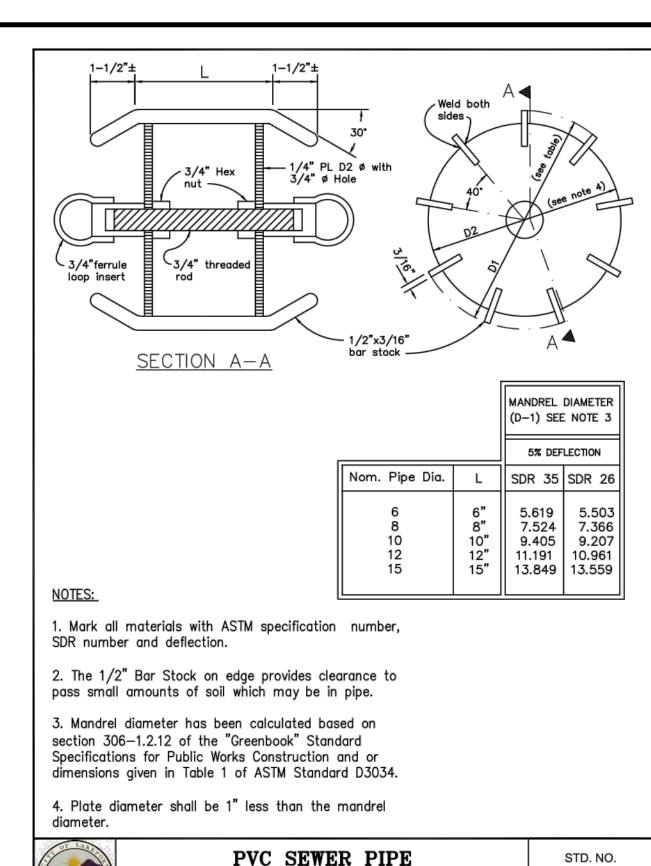
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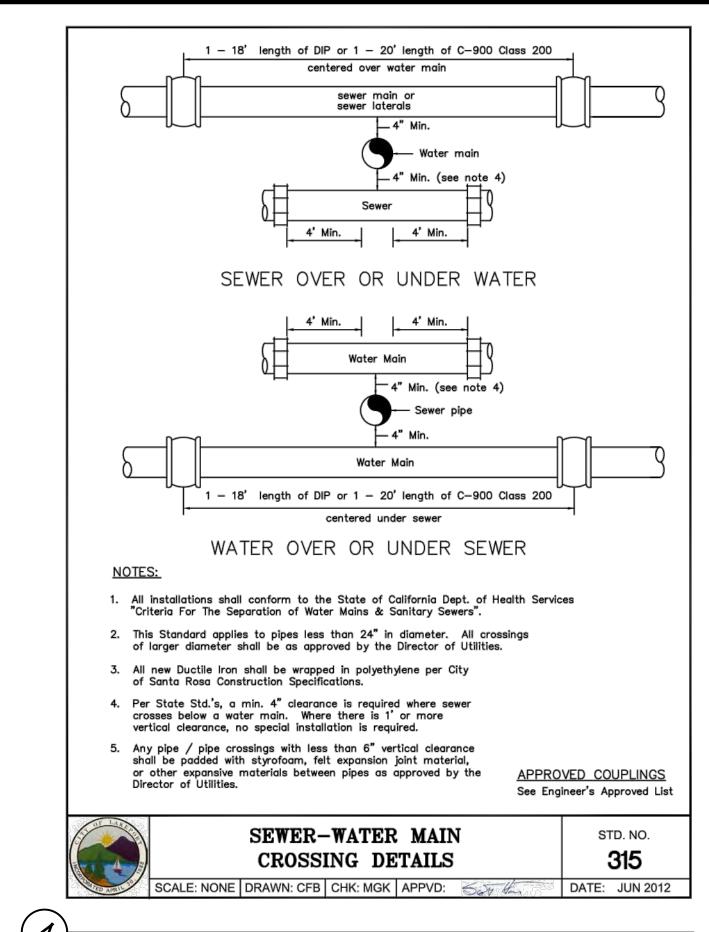


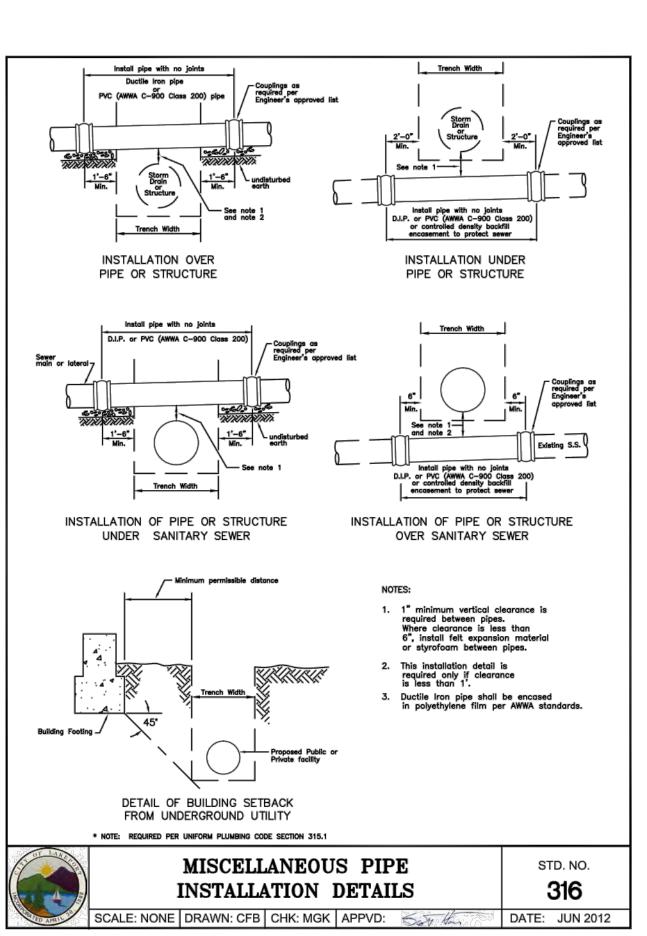


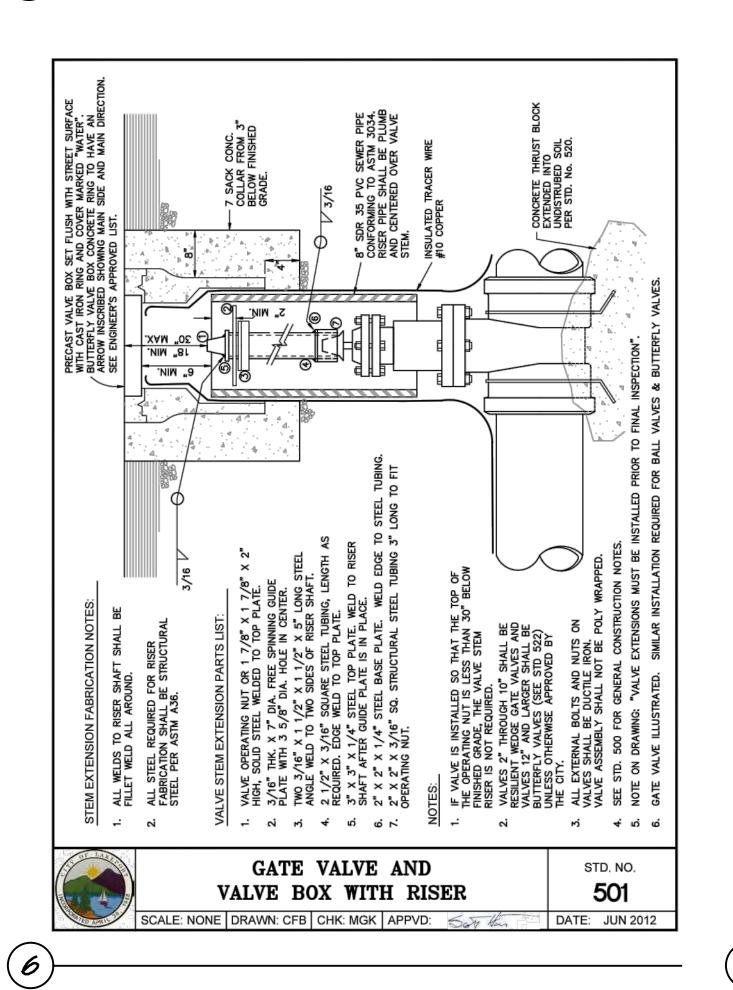


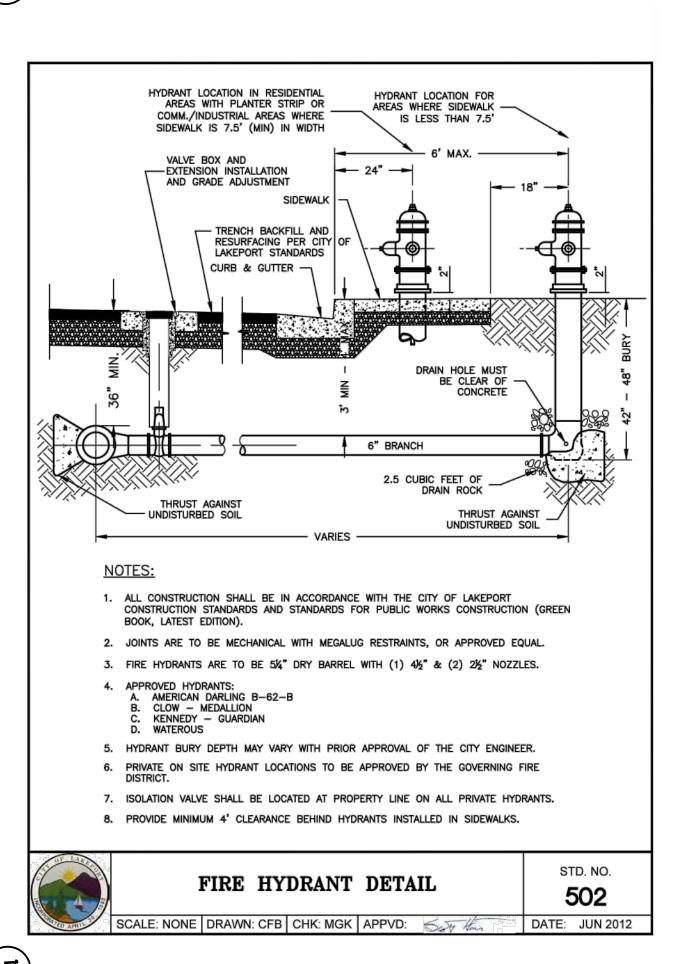
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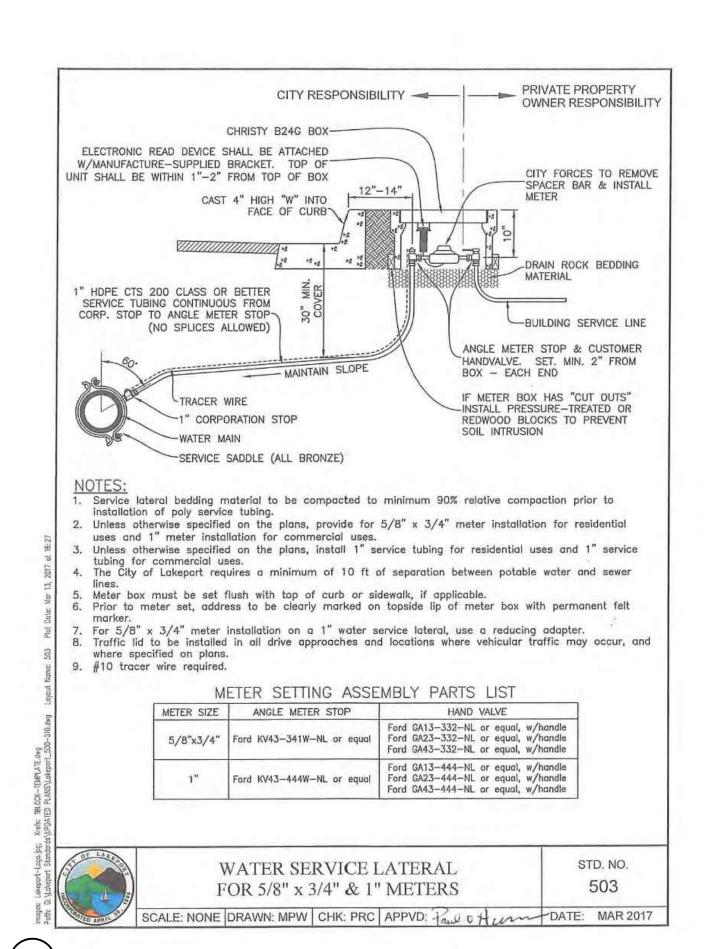
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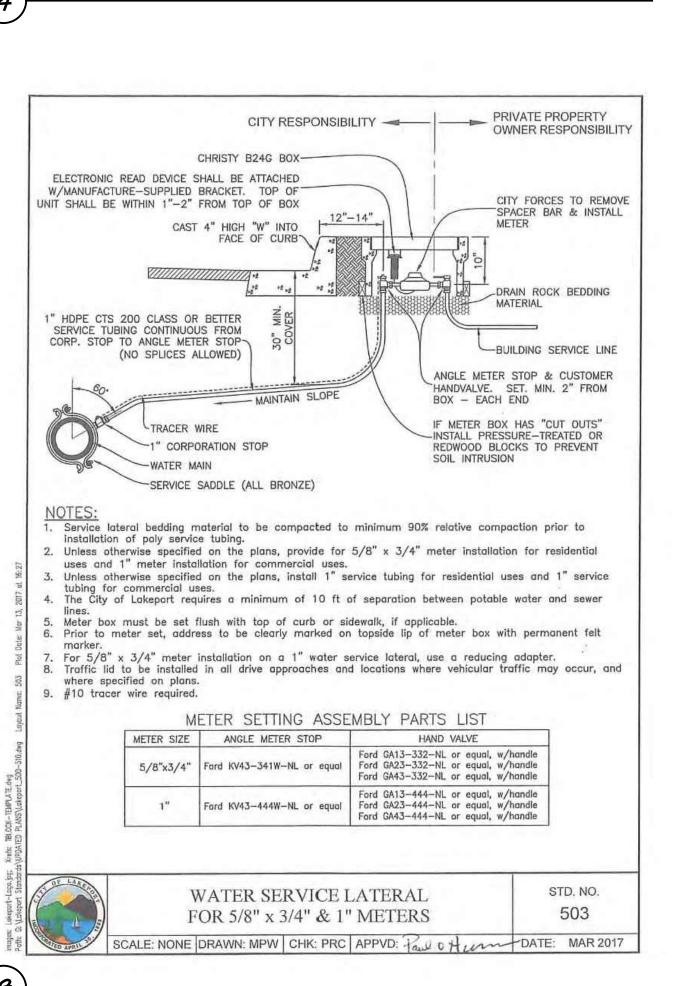










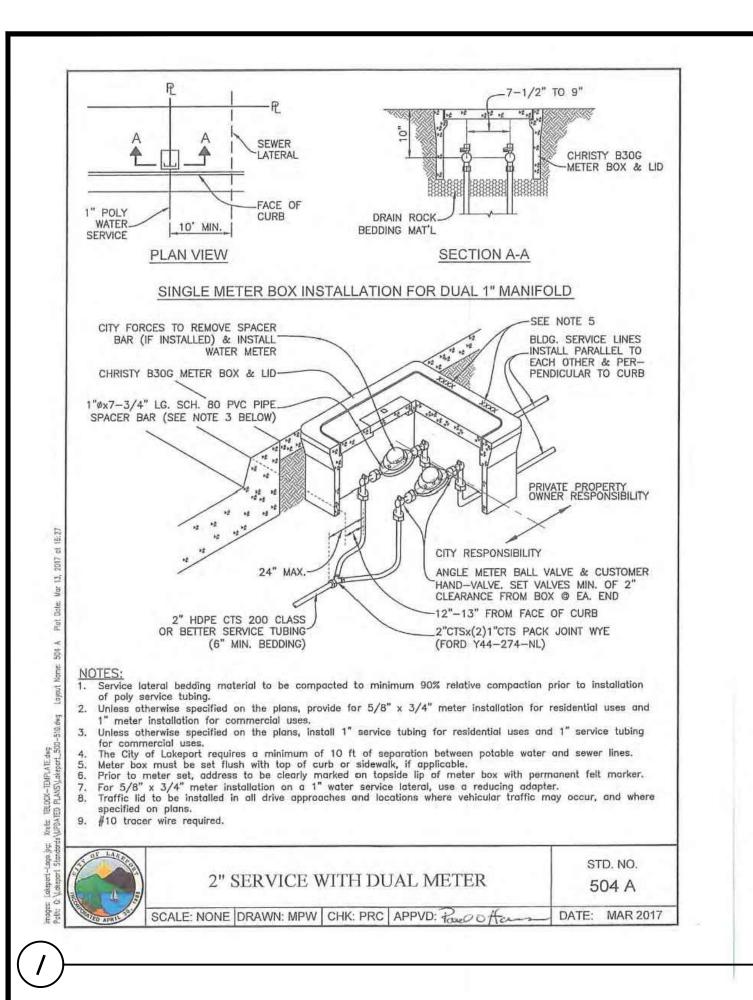


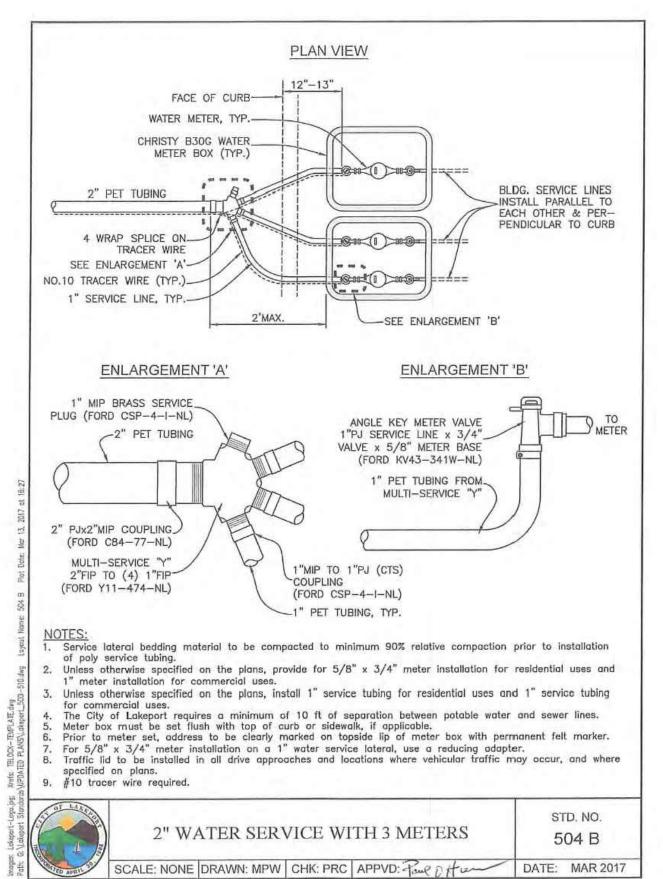


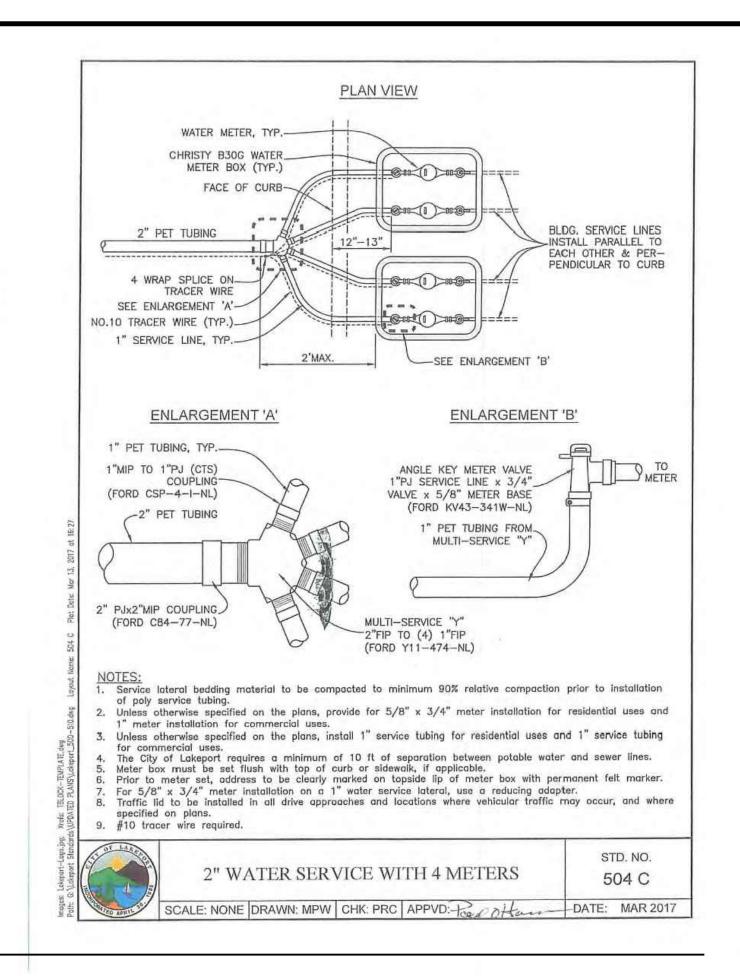
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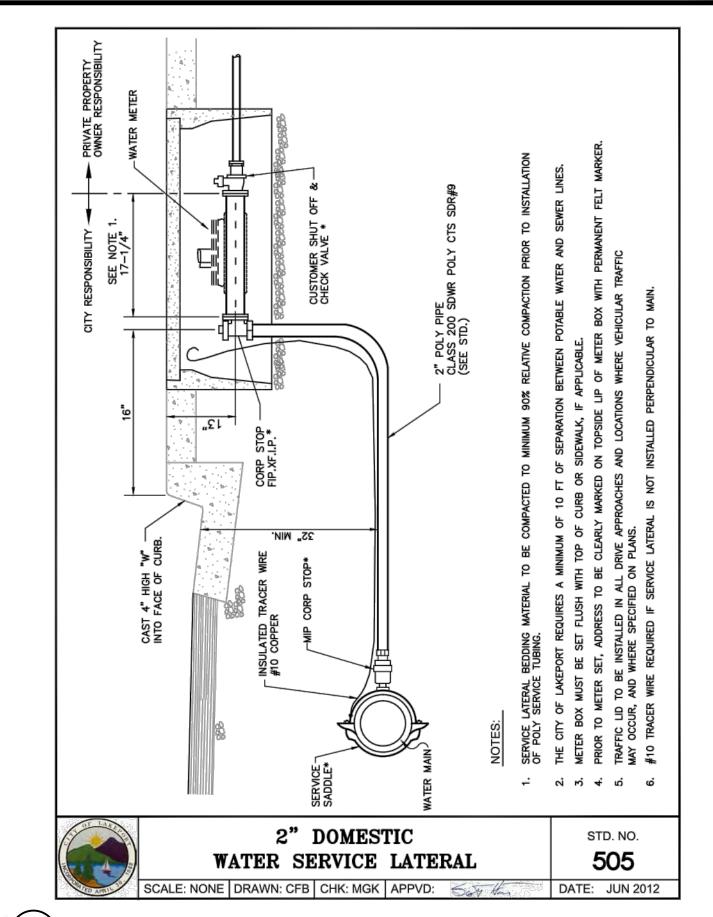
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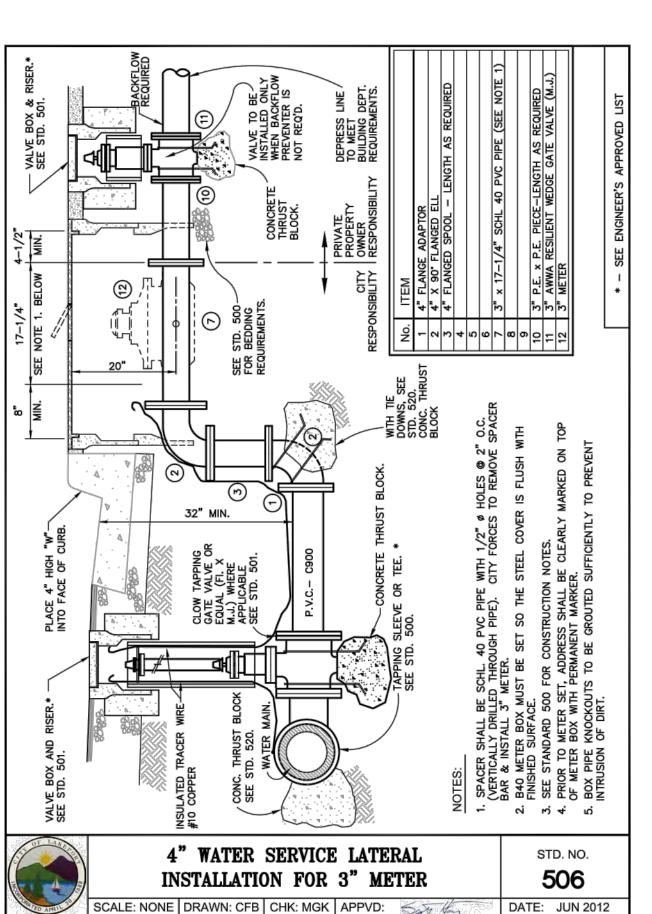
C8.4



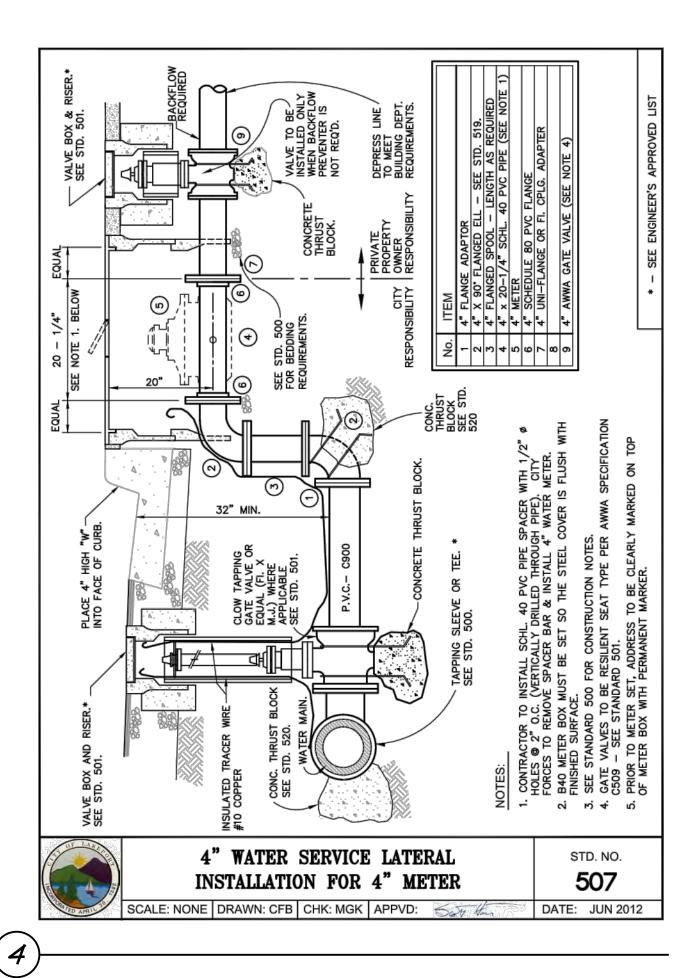


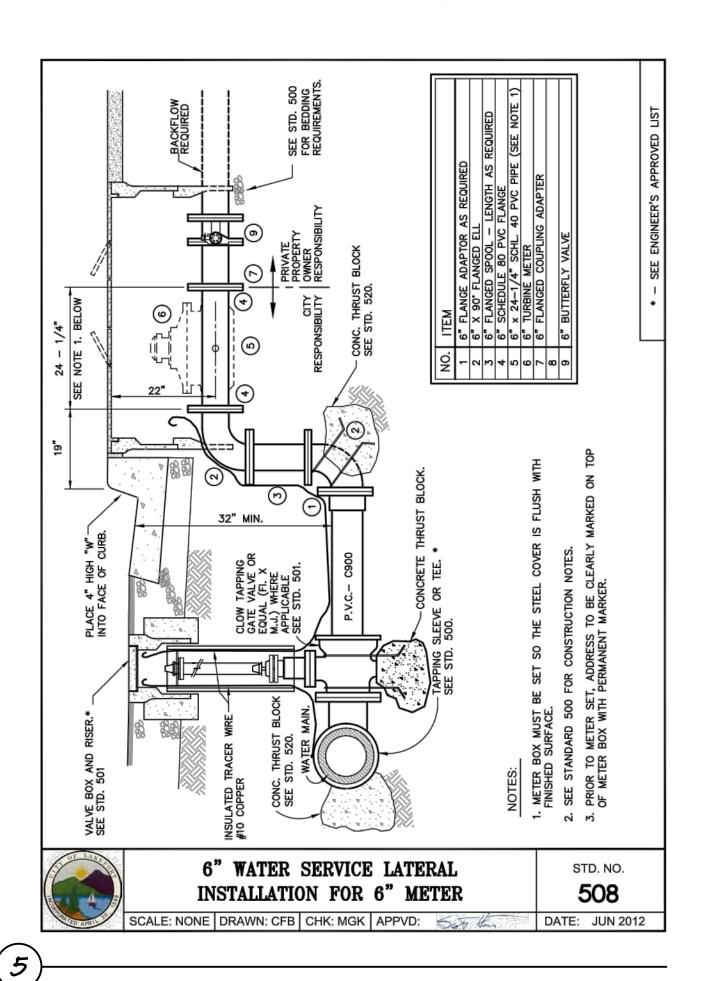


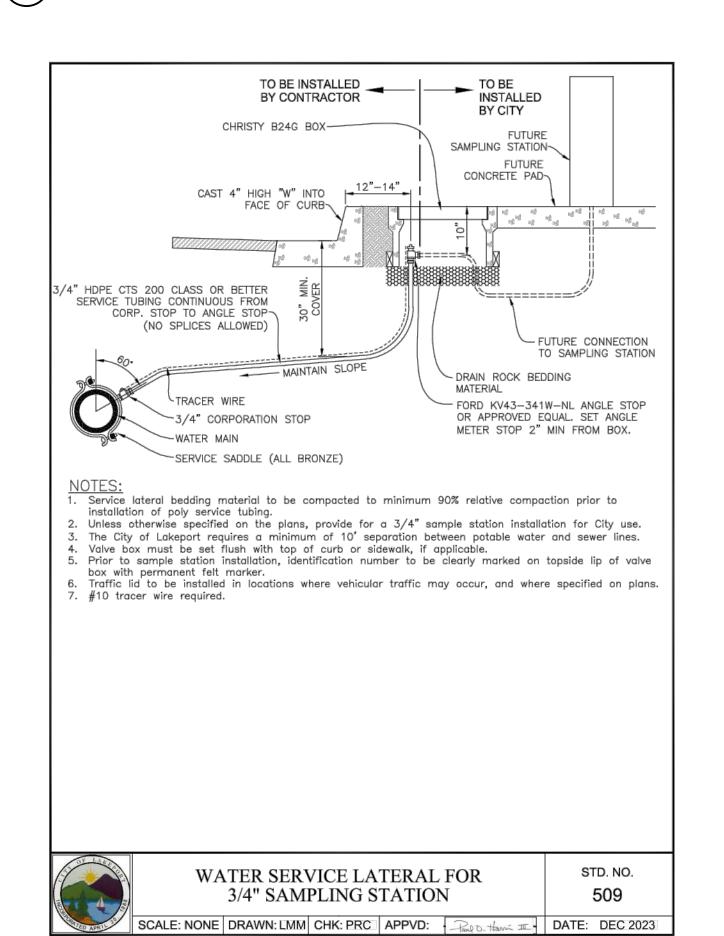




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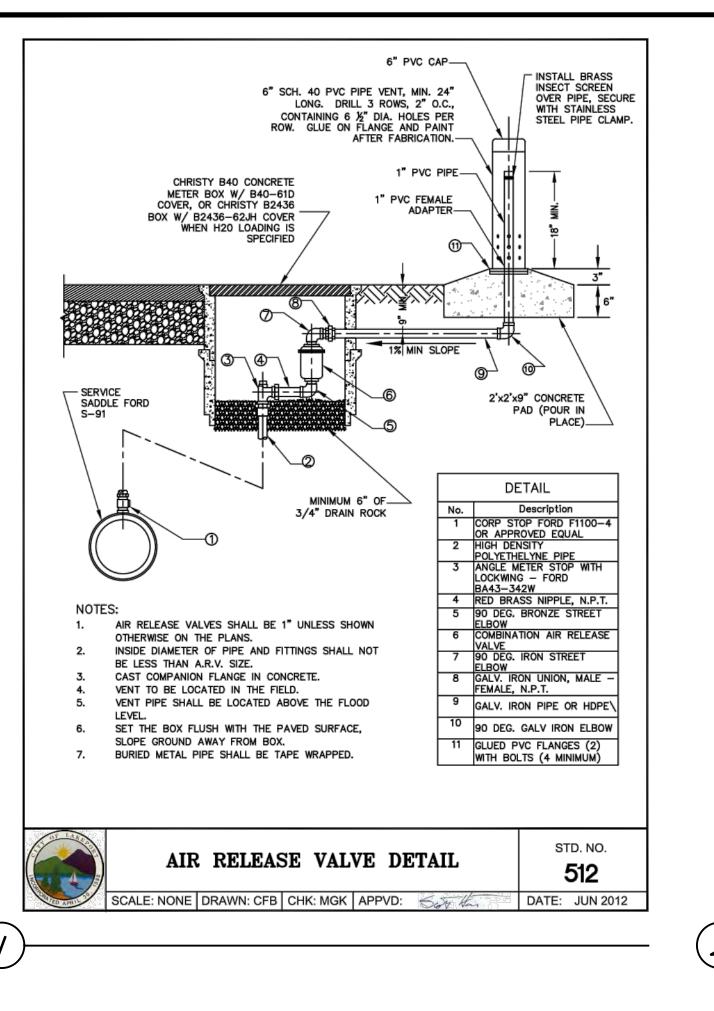
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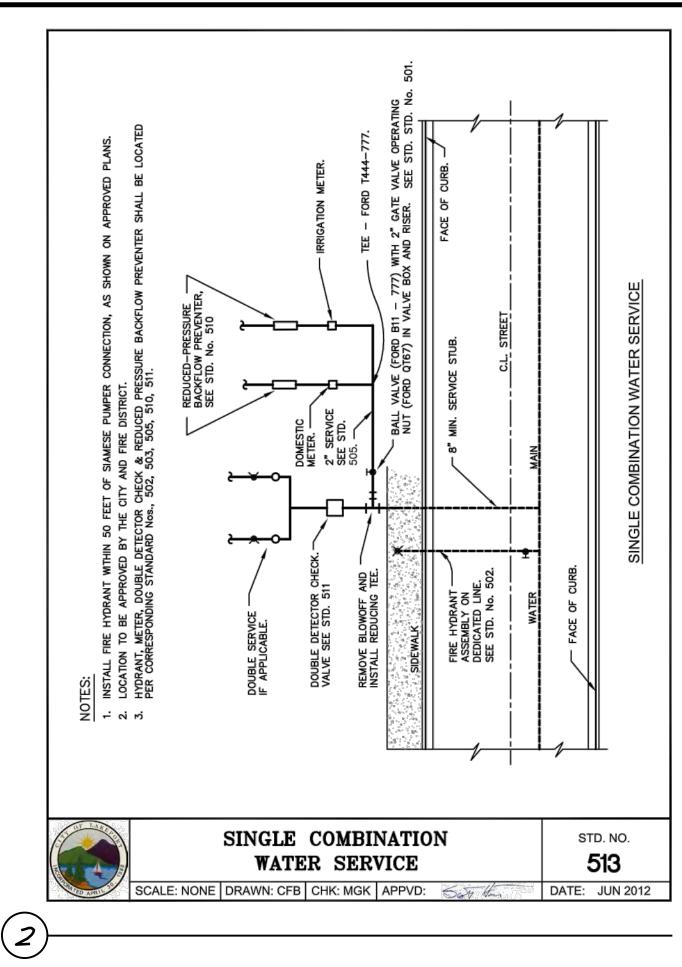
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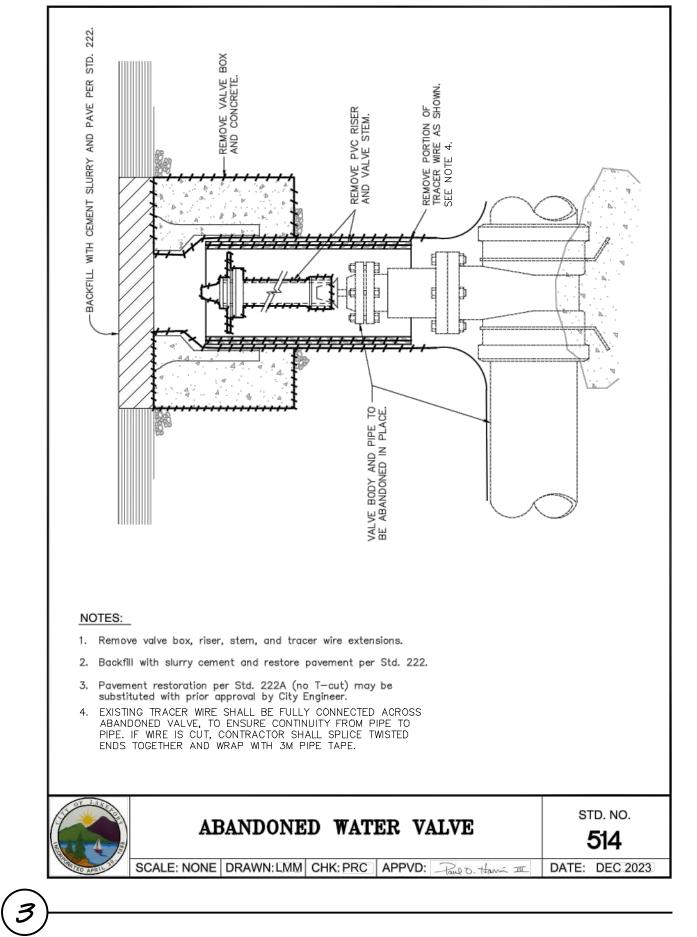
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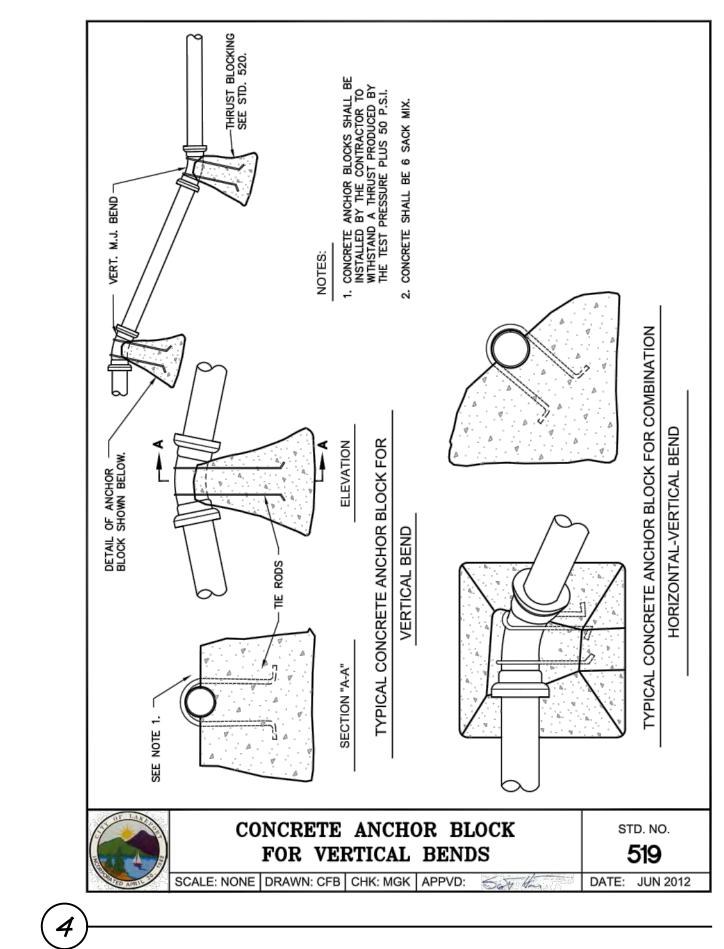
MAR. 12, 2024 DRAWN DESIGNED NAW CHECKED 4123018.1 JOB NO.

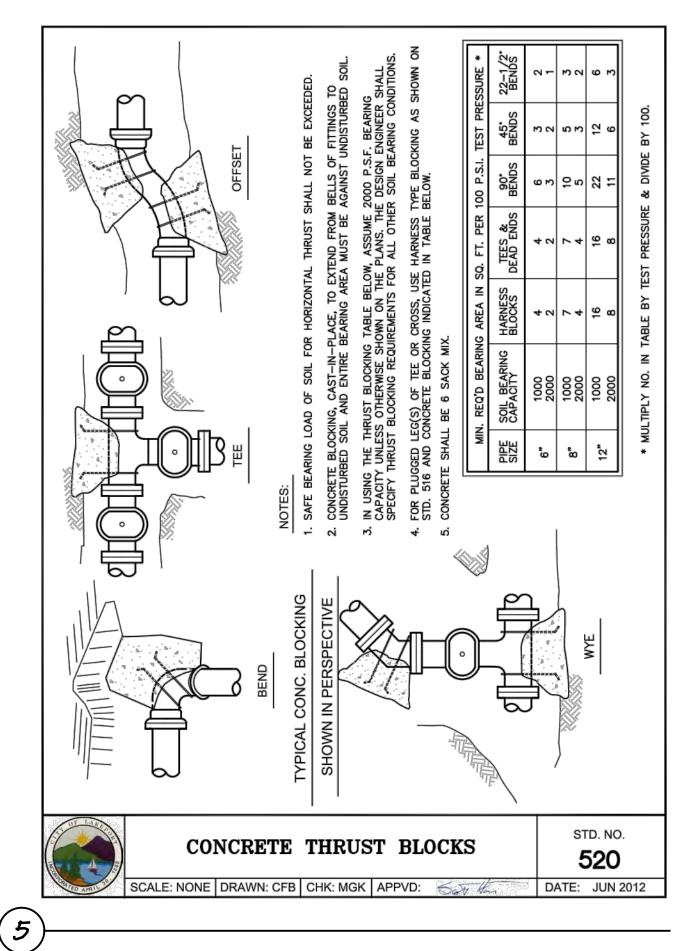
C8.5 31 OF 32 SHEETS

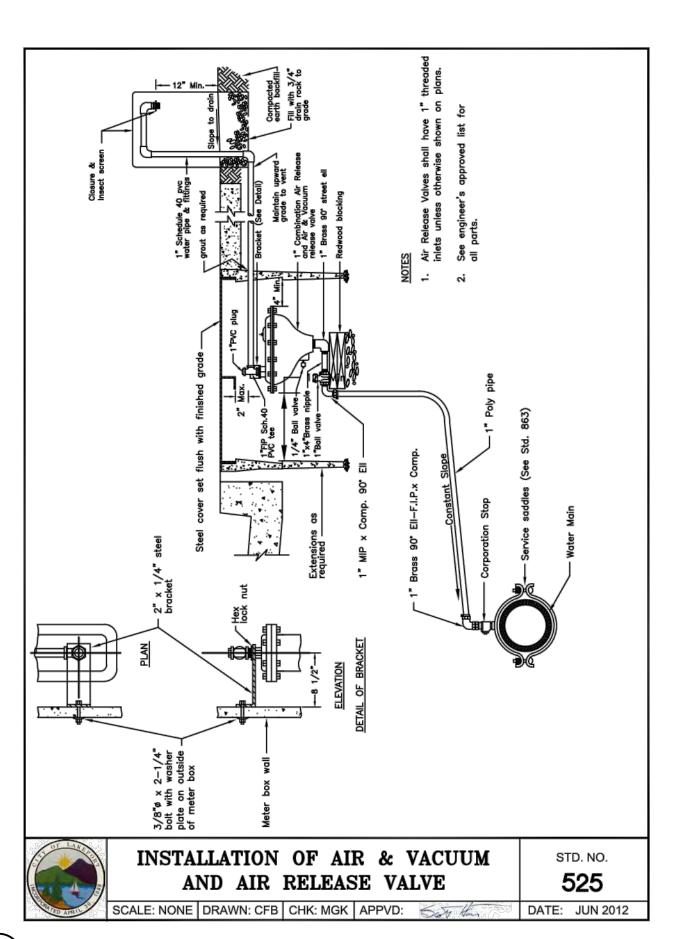




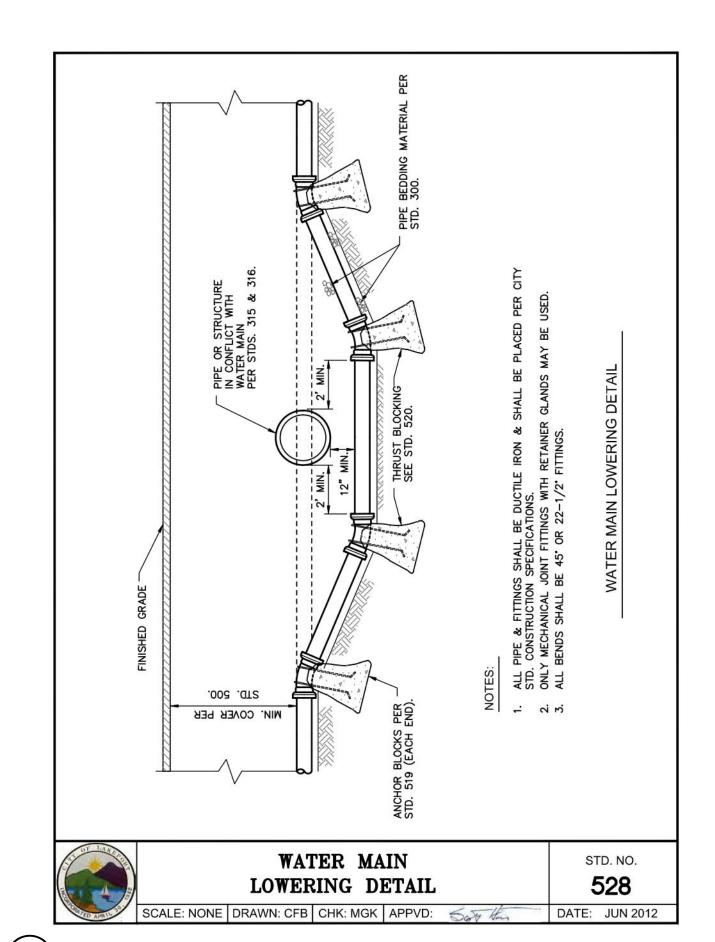


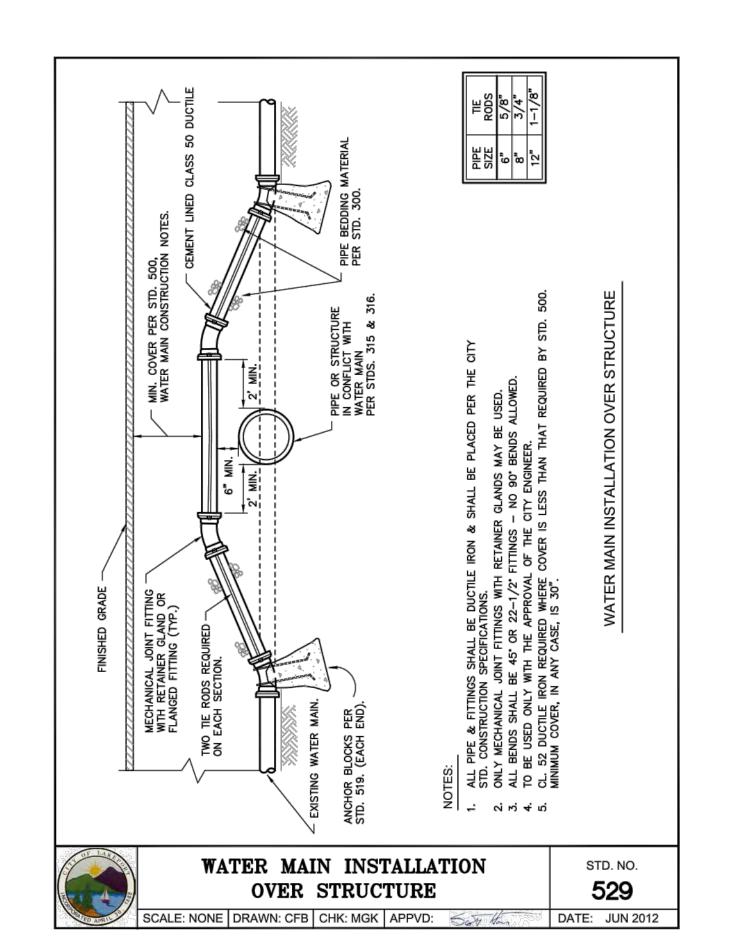


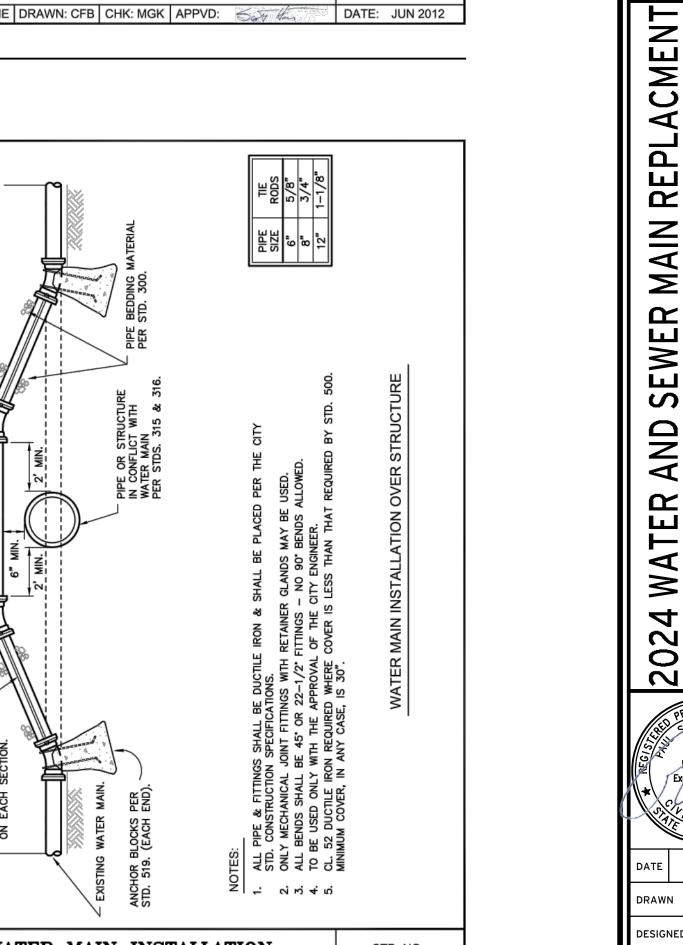




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