

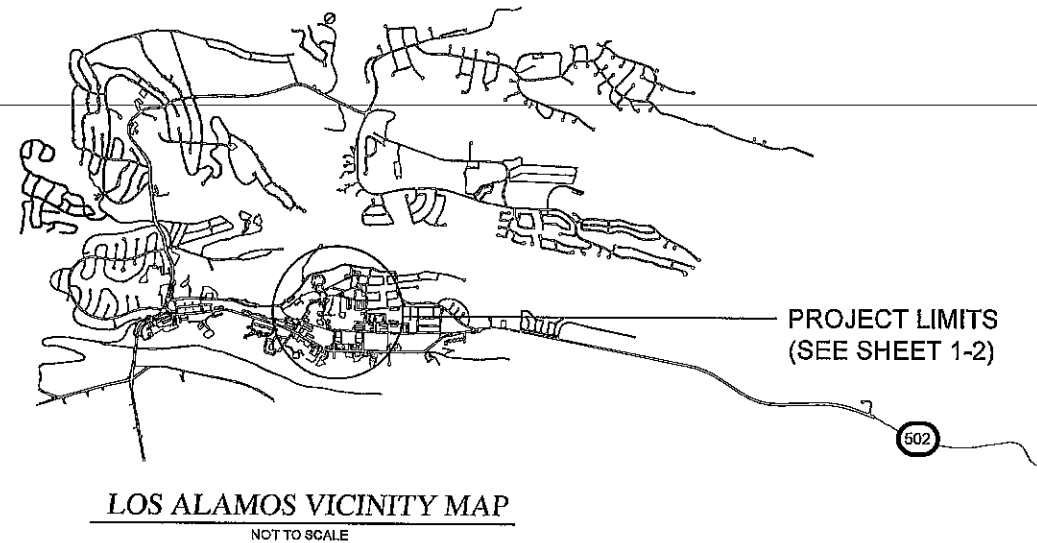
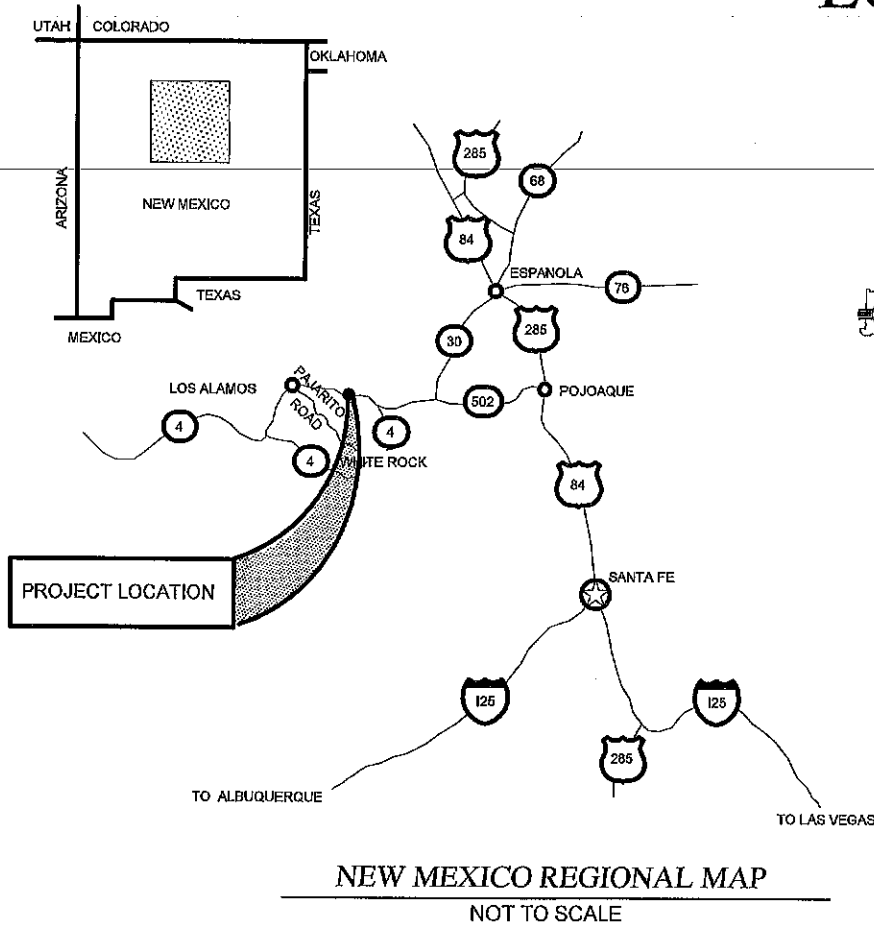
DEPARTMENT OF PUBLIC WORKS AND DEPARTMENT OF PUBLIC UTILITIES

PROJECT NO. IFB-24-74

BATHTUB ROW RECONSTRUCTION (BATHTUB ROW, PEACH ST & NECTAR ST) LOS ALAMOS COUNTY - NEW MEXICO



LOS ALAMOS



APPROVED BY: *JR* DATE 5/30/24
 JUAN RAEL, P.E., DIRECTOR
 DEPARTMENT OF PUBLIC WORKS

Eric Ulibarrri DATE 5/30/24
 ERIC ULIBARRI, P.E., COUNTY ENGINEER
 DEPARTMENT OF PUBLIC WORKS

Philo S. Shelton DATE 5/30/24
 PHILO S. SHELTON, P.E., UTILITIES MANAGER
 DEPARTMENT OF PUBLIC UTILITIES

CITY COUNCIL

DENISE DERKACS
 THERESA CULL
 MELANEE HAND
 SUZIE HAVEMANN
 KEITH LEPSCH
 DAVID REAGOR
 RANDALL T. RYTI

COUNCIL CHAIRMAN
 COUNCIL VICE-CHAIR
 COUNCILOR
 COUNCILOR
 COUNCILOR
 COUNCILOR
 COUNCILOR

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TERMINI MAP



SHIPPING POINTS
LOS ALAMOS, NM

PROJECT CONTACTS:

LOS ALAMOS COUNTY PROJECT MANAGER
JAMES MALCOM
505-663-1758
JAMES.MALCOM@LACNM.US

LOS ALAMOS COUNTY ENGINEER
ERIC ULIBARRI, P.E.
505-662-8212

LOS ALAMOS COUNTY SENIOR ENGINEER
KAREN HENDERSON, P.E.
505-709-7532
KAREN.HENDERSON@LACNM.US

LOS ALAMOS COUNTY DEPARTMENT OF PUBLIC UTILITIES
PROJECT MANAGER
CASEY AUMACK
505-663-1830
CASEY.AUMACK@LACNM.US

LENGTH OF PROJECT:
RECONSTRUCTION : 0.433 MILES
TOTAL: 0.433 MILES

INTENT OF PROJECT

RECONSTRUCT EXISTING ROADWAY, CURB AND GUTTER, SIDEWALKS, ADA RAMPS, DRAINAGE AND UTILITIES
 BID ALTERNATE 1: PARKING LOTS
 BID ALTERNATE 2: LITTLE THEATRE
 BID ALTERNATE 3: BROADBAND

EMERGENCY NUMBER CONTACTS	
DEPARTMENT OF PUBLIC UTILITIES	(505) 662-8333
LOS ALAMOS COUNTY PROJECT MANAGER	(505) 662-8150
GWS ON-CALL	(505) 780-4408



30 May 2024

NO.	REVISION DESCRIPTION
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DESIGNED BY:	LAC
DRAWN BY:	LAC
APPROVED BY:	LAC
DATE:	5/30/2024
SCALE:	#####

BATHTUB ROW RECONSTRUCTION
TERMINI MAP



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
1-2

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INDEX OF SHEETS		
SHEET NO.	DESCRIPTION	REV. DATE
1-1	COVER SHEET	
1-2	TERMINI MAP	
1-3	INDEX OF SHEETS	
1-4	LIST OF STANDARD DRAWINGS	
1-5	SUMMARY OF QUANTITIES	
1-6 TO 1-7	GENERAL NOTES	
1-8	INCIDENTAL ITEMS	
1-9	ENVIRONMENTAL NOTES	
		1 SERIES SUBTOTAL = 9
2-1	TYPICAL SECTION	
2-2	SURFACING SCHEDULE	
2-3 TO 2-6	MISCELLANEOUS QUANTITIES	
2-7	BID ALTERNATE - 2 LITTLE THEATRE MISCELLANEOUS QUANTITIES	
2-8 TO 2-10	CURB RAMP DETAIL	
2-11	BID ALTERNATE - 2 LITTLE THEATRE CURB RAMP DETAIL	
2-12	VALLEY GUTTER AND FILLETS DETAIL	
2-13 TO 2-17	NPDES PLANS	
		2 SERIES SUBTOTAL = 17
3-1 TO 3-2	BATHTUB ROW PLAN VIEW	
3-3 TO 3-4	PEACH ST - NECTAR ST PLAN VIEW	
3-5	BID ALTERNATE - 1 PARKING LOTS PLAN VIEW	
3-6	BID ALTERNATE - 2 LITTLE THEATRE PLAN VIEW	
3-7	PEACH ST - NECTAR ST FLOW LINE ADJUSTMENT PNP	
		3 SERIES SUBTOTAL = 7
4-X	NOT USED	
		4 SERIES SUBTOTAL =
5-X	NOT USED	
		5 SERIES SUBTOTAL =
6-1	SUGGESTED SEQUENCE OF CONSTRUCTION	
6-2	SIGN DETAILS	
6-3	SUGGESTED SEQUENCE OF CONSTRUCTION PHASE MAP	
		6 SERIES SUBTOTAL = 3
7-X	NOT USED	
		7 SERIES SUBTOTAL =
8-1	LUMINAIRE PLAN VIEW	
8-2	LUMINAIRE QUANTITIES	
8-3	TRENCH DETAIL	
		8 SERIES SUBTOTAL = 3
9-X	NOT USED	
		9 SERIES SUBTOTAL =
10-X	NOT USED	
		10 SERIES SUBTOTAL =
11-1 TO 11-37	UTILITIES	
		11 SERIES SUBTOTAL = 37
12-1 TO 12-2	BID ALTERNATE - 3 BROADBAND PLAN VIEW	
12-3	BID ALTERNATE - 3 BROADBAND TRENCH DETAIL	
12-4	BID ALTERNATE - 3 BROADBAND PULL BOX DETAIL	
12-5	BID ALTERNATE - 3 BROADBAND QUANTITIES	
		12 SERIES SUBTOTAL = 5
13-X	NOT USED	
		13 SERIES SUBTOTAL =
14-X	NOT USED	
		14 SERIES SUBTOTAL =
TOTAL = 81		



30 May 2024

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**BATHTUB ROW
 RECONSTRUCTION
 INDEX OF SHEETS**



INCORPORATED COUNTY
 OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 1-3

LIST OF STANDARD DRAWINGS			
13-1	TEMPORARY EROSION AND SEDIMENT AND CONTROL MEASURES	11/29/2004	603-01-1/7
13-2	TEMPORARY EROSION AND SEDIMENT AND CONTROL MEASURES CHECK DAMS	11/29/2004	603-01-2/7
13-3	TEMPORARY EROSION AND SEDIMENT AND CONTROL MEASURES SILT FENCE	11/29/2004	603-01-3/7
13-4	TEMPORARY EROSION AND SEDIMENT AND CONTROL MEASURES CULVERT AND DROP INLET PROTECTION	11/29/2004	603-01-4/7
13-5	TESCM SEDIMENT BASIN, SEDIMENT TRAP AND EARTH DIKE	11/29/2004	603-01-5/7
13-6	TESCM PIPE SLOPE DRAIN AND SURFACE ROUGHENING	11/29/2004	603-01-6/7
13-7	TESCM OFFSITE TRACKING PREVENTION AND DIVERSION DIKE	11/29/2004	603-01-7/7
13-8	PEDESTRIAN ACCESS ROUTE GENERAL NOTES	1/13/2015	608-01-1
13-9	PERPENDICULAR CURB RAMPS	1/13/2015	608-01-2
13-10	PARALLEL CURB RAMPS	1/13/2015	608-01-3
13-11	DIAGONAL CURB RAMPS	1/13/2015	608-01-4
13-12	COMBINATION CURB RAMPS	1/13/2015	608-01-5
13-13	PEDESTRIAN REFUGE ISLAND	1/13/2015	608-01-6
13-14	CURB RAMP AND SIDEWALK TRANSITION DETAILS	1/13/2015	608-01-7
13-15	DETECTABLE WARNING SURFACE	1/13/2015	608-01-8
13-16	DRIVEWAY APRONS	1/13/2015	608-01-9
13-17	DRIVEWAYS APRONS	1/13/2015	608-01-10
13-18	TEMPORARY TRAFFIC CONTROL GENERAL NOTES	3/2/2017	702-01-1/5
13-19	TEMPORARY TRAFFIC CONTROL GENERAL NOTES	3/2/2017	702-01-2/5
13-20	CONSTRUCTION & MAINTENANCE SIGN FACE DETAILS	12/1/2015	702-01-3/5
13-21	CHANNELIZATION DEVICES FOR CONSTRUCTION, MAINTENANCE, UTILITY & INCIDENT MANGEMENT OPERATIONS	11/3/2015	702-01-4/5
13-22	PAVEMENT MARKING AND MESSAGES	4/17/2008	704-03-1/2
13-23	PULL BOX DETAILS	10/30/2014	710S-01-1/1
SUBTOTAL = 23			

NO.	REVISION DESCRIPTION
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**BATHTUB ROW
 RECONSTRUCTION**
 LIST OF STANDARD DRAWINGS



INCORPORATED COUNTY
 OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109



30 May 2024

SHEET
 1-4

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SUMMARY OF QUANTITIES			PROJECT TOTAL	
ITEM NO.	DESCRIPTION	BID UNIT	ESTIMATE	FINAL
201000	CLEARING AND GRUBBING	L.S.	1	
203000	UNCLASSIFIED EXCAVATION	CU.YD.	1,280	
203100	BORROW	CU.YD.	140	
203221	UNSTABLE SUBGRADE STABILIZATION	SQ.YD.	2,650	
207000	SUBGRADE PREPARATION	SQ.YD.	7,640	
303160	BASE COURSE 6"	SQ.YD.	7,640	
407000	ASPHALT MATERIAL FOR TACK COAT	TON	3	
408100	PRIME COAT MATERIAL	TON	15	
417000	MISCELLANEOUS PAVING	SQ.YD.	470	
423270	HMA (SP-IV) COMPLETE	SQ.YD.	7,610	
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	1	
601110	REMOVAL OF SURFACING	SQ.YD.	7,640	
603262	COMPOSTED MULCHED SOCKS	LIN. FT.	105	
603281	SWPPP PLAN PREPARATION AND MAINTENANCE	L.S.	1	
608004	CONCRETE SIDEWALK 4"	SQ.YD.	840	
608009	ADA CURB RAMP	SQ.YD.	480	
608106	DRIVEPAD 6"	SQ.YD.	60	
608110	CONCRETE FILLET	SQ.YD.	150	
609200	12" HEADER CURB	LIN. FT.	110	
609424	CONCRETE VERTICAL CURB & GUTTER, TYPE B 6" X 24"	LIN.FT.	2,460	
609636	CONCRETE VALLEY GUTTER 6" x 36"	LIN.FT.	40	
609651	CONCRETE VALLEY GUTTER 6" x 84"	LIN.FT.	40	
609652	CONCRETE VALLEY GUTTER 6" x 96"	LIN. FT.	30	
609706	CONCRETE LAYDOWN CURB 6"	LIN. FT.	810	
613000	CLEANING OF CULVERTS AND DRAINAGE STRUCTURES	L.S.	1	
617000	VIBRATION MONITORING	L.S.	1	
617003	VIDEO RECORDING	L.S.	1	
618000	TRAFFIC CONTROL MANAGEMENT	L.S.	1	
621000	MOBILIZATION	L.S.	1	
663855	ADJUST VALVE BOX TO GRADE	EACH	1	
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	L.S.	1	
707810	REMOVE & RESET LIGHTING STANDARD & LUMINAIRE	EACH	2	
709020	RIGID ELECTRICAL CONDUIT 2" (DIA.)	LIN.FT.	340	
710000	ELECTRICAL PULL BOX (STANDARD)	EACH	8	
711110	SINGLE CONDUCTOR 10	LIN.FT.	1060	
801000	CONSTRUCTION STAKING BY CONTRACTOR	L.S.	1	
802000	POST CONSTRUCTION PLANS	L.S.	1	
901000	CONTRACTOR PROCESS QUALITY CONTROL	L.S.	1	

BID ALTERNATE - 1 PARKING LOTS SUMMARY OF QUANTITIES			PROJECT TOTAL	
ITEM NO.	DESCRIPTION	BID UNIT	ESTIMATE	FINAL
203000	UNCLASSIFIED EXCAVATION	CU.YD.	130	
203211	UNSTABLE SUBGRADE STABILIZATION	SQ.YD.	380	
207000	SUBGRADE PREPARATION	SQ.YD.	1,140	
303140	BASE COURSE 4"	SQ.YD.	1,140	
407000	ASPHALT MATERIAL FOR TACK COAT	TON	1	
408100	PRIME COAT MATERIAL	TON	1	
423270	HMA (SP-IV) COMPLETE	SQ.YD.	1,140	
601110	REMOVAL OF SURFACING	SQ.YD.	1,140	

BID ALTERNATE - 2 LITTLE THEATRE SUMMARY OF QUANTITIES			PROJECT TOTAL	
ITEM NO.	DESCRIPTION	BID UNIT	ESTIMATE	FINAL
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	1	
607079	PEDESTRIAN/BICYCLE RAILING	LIN. FT.	30	
608004	CONCRETE SIDEWALK 4"	SQ.YD.	340	
608009	ADA CURB RAMP	SQ.YD.	20	
609424	CONCRETE VERTICAL CURB AND GUTTER, TYPE B 6" X 24"	LIN.FT.	100	
609706	CONCRETE LAYDOWN CURB 6"	LIN. FT.	30	

BID ALTERNATE - 3 BROADBAND SUMMARY OF QUANTITIES			PROJECT TOTAL	
ITEM NO.	DESCRIPTION	BID UNIT	ESTIMATE	FINAL
709040	RIGID ELECTRICAL CONDUIT 4" (DIA.)	LIN. FT.	2,290	
710015	OPEN BOTTOM POLYMER CONCRETE VAULT	EACH	6	

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BATHTUB ROW
 RECONSTRUCTION
 SUMMARY OF QUANTITIES



INCORPORATED COUNTY
 OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

KAREN L. HENDERSON
 NEW MEXICO
 17686
Karen L. Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

SHEET
 1-5

GENERAL NOTES

1. THE 2019 NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, ALONG WITH THE SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS SHALL GOVERN CONSTRUCTION OF THIS PROJECT UNLESS OTHERWISE NOTED IN NOTICE TO CONTRACTORS SECTION.
2. CONCRETE: CLASS "AA" 4000 PSI FIBER REINFORCED CONCRETE TO BE USED ON ALL CONCRETE WORK WITHIN THE PROJECT. AIR CONTENT FOR CONCRETE SHALL BE FOR "HIGH RISK FREEZE / THAW ZONE".
3. "R" VALUE: THE DESIGN "R" VALUE FOR THIS PROJECT IS 25.
4. SUB-GRADE PREPARATION: FOLLOW ALL PROOF ROLL PROCEDURES IDENTIFIED IN SECTION 207 "SUBGRADE PREPARATION". SUB-GRADE PREPARATION SHALL MEET ALL DENSITY REQUIREMENTS FOR HIGH VOLUME SOILS. THIS WORK SHALL BE COORDINATED WITH THE LAC PROJECT MANAGER PRIOR TO PERFORMING THIS WORK.
5. CURB RAMPS: ALL CURB RAMPS ARE TO BE FIELD FIT TO JOIN EXISTING SIDEWALK CONDITIONS. ALL CURB RAMPS SHALL MEET THE REQUIREMENTS OF THE NMDOT SERIAL DRAWING 608-001 - 1 THRU 10. CAST IRON TRUNCATED DOMES ARE USED WITHIN THE COUNTY AND SHOULD BE INSTALLED AT REQUIRED LOCATIONS AND ARE INCIDENTAL TO ADA RAMP INSTALLATION.
6. ALL EXCESS ROADWAY MATERIALS SUCH AS CLEAN MILLINGS, BASE COURSE, AND CLEAN SOIL GENERATED FROM THE PROJECT, ARE THE PROPERTY OF THE COUNTY AND SHALL BE HAULED TO A SITE WITHIN THE COUNTY, AS COORDINATED BY THE PROJECT MANAGER. ALL MATERIAL DESIGNATED BY THE PROJECT MANAGER AS REMAINING OR EXCESS SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH APPLICABLE ENVIRONMENTAL CODES. REMOVED MATERIAL MAY BE STORED AT A TEMPORARY STORAGE LOCATION AS DIRECTED BY THE CONTRACTOR OR THE PROJECT MANAGER. THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL MATERIAL ON THE PROJECT AS COORDINATED PRIOR TO PROJECT COMPLETION AND FINAL PAYMENT.
7. CLEARING AND GRUBBING: ALL SIDEWALKS SHALL BE CLEARED OF EXISTING DIRT AND MATERIALS INCLUDING BRUSH AND FOLIAGE TO ALLOW UNOBSTRUCTED PEDESTRIAN TRAVEL. ALL SIDEWALKS AND ROADWAYS SHALL BE SWEEPED AND CLEAN PRIOR TO SUBSTANTIAL COMPLETION.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR REMEDIATION OF ALL LANDSCAPE (GRAVEL, ROCK, PAVERS, MULCH, LANDSCAPING FABRIC, SOD/GRASS, SPRINKLER SYSTEMS) IF DAMAGED OR REMOVED DURING CONSTRUCTION. PRIOR TO CONSTRUCTION THE CONTRACTOR IS TO IDENTIFY THOSE AREAS WITH LANDSCAPING OR IRRIGATION AND COORDINATE WITH THE PROPERTY OWNER. THESE AREAS INCLUDE BUT ARE NOT LIMITED TO AREAS WHERE ROADWAY AND PEDESTRIAN PATHWAY WORK SHALL BE PERFORMED WITHIN THE PROJECT. LANDSCAPING AND IRRIGATION REMEDIATION/REPAIR WILL BE INCIDENTAL TO PAVING OR SIDEWALK ITEM.
9. EXISTING UTILITIES: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT, MAINTAIN IN SERVICE AND VERIFY EXACT HORIZONTAL AND VERTICAL LOCATIONS OF UTILITIES DURING OR PRIOR TO CONSTRUCTION OPERATIONS OF THIS PROJECT. THE CONTRACTOR SHALL REPAIR ANY UTILITIES DAMAGED BY CONTRACTORS WORK OPERATIONS AT THEIR EXPENSE. LOCATE REQUEST BY CALLING NEW MEXICO 811 OR ENTER REQUESTS AT NM811.ORG.
10. WATER: IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN A WATER METER FROM THE COUNTY OF LOS ALAMOS DEPARTMENT OF PUBLIC UTILITIES. ALL WATER USED BY THE CONTRACTOR SHALL BE METERED, PAID FOR BY THE CONTRACTOR AND IS INCIDENTAL TO THE PROJECT. THE COUNTY OF LOS ALAMOS UTILITIES DEPARTMENT REQUIRES A DEPOSIT FOR THE WATER METER. CONTACT UTILITY DEPARTMENT @ 505-662-8130 FOR FURTHER INFORMATION.
11. VIBRATION: CONTRACTOR SHALL TAKE PROPER PRECAUTIONS WHEN USING VIBRATORY EQUIPMENT AND EXERTING LOAD(S) OVER EXISTING/FRAGILE UTILITIES. CONTRACTOR MAY CHOOSE TO USE STATIC COMPACTION PRACTICES OR USE ALTERNATIVE EQUIPMENT TO ACHIEVE REQUIRED DENSITY.
12. DAMAGES: ANY EXISTING CONCRETE (CURB & GUTTER, SIDEWALK, DRIVEWAYS, MARKED UTILITIES, ETC.) OTHER THAN WHAT IS INTENDED FOR REMOVAL GETS DAMAGED SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR/REPLACE AT THE CONTRACTOR'S SOLE EXPENSE.
13. HOMEOWNER PROPERTY: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSULT WITH THE RESIDENT/OWNER REGARDING THE RETAINAGE OF PERSONAL AND PRIVATE PROPERTY. CONTRACTOR SHALL HANDLE ITEMS OF PERSONAL PROPERTY (INCLUDING BUT NOT LIMITED TO LANDSCAPING, FENCING, ETC.) FOUND IN RIGHT-OF-WAY WITH REASONABLE CARE.
14. PUBLIC INFORMATION: CONTRACTOR SHALL COORDINATE WORK ACTIVITIES AFFECTING RESIDENTS AND BUSINESS WITHIN A 48-HOUR ADVANCE NOTICE. THE CONTRACTOR WILL COORDINATE AT LEAST 5 DAYS IN ADVANCE WITH THE PROJECT MANAGER REGARDING WORK ACTIVITIES INCLUDING BUT NOT LIMITED TO DRIVEWAY ENTRANCE CONSTRUCTION, CONCRETE WORK, AND PAVING OPERATIONS.
15. PROPERTY ACCESS: THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ADJACENT PROPERTIES WITHIN THE WORK ZONE THROUGHOUT THE COURSE OF THE PROJECT.
16. PEDESTRIANS IN THE WORK ZONE: THE CONTRACTOR SHALL MAKE SPECIAL ACCOMMODATIONS FOR RESIDENTS AND TRAVELING PUBLIC WHO ARE DISABLED SO THAT THEY HAVE ACCESS TO/FROM THEIR RESIDENCE AND ADDITIONAL LOCATIONS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE PROJECT MANAGER A PLAN ON HOW THIS IS TO BE ACCOMPLISHED.
17. RIGHT-OF-WAY: THE CONTRACTOR SHALL CONFINE OPERATIONS AND MATERIALS TO LOS ALAMOS COUNTY RIGHT-OF-WAY OR SPECIFIED CONSTRUCTION LIMITS OF THE PROJECT AND WILL BE HELD RESPONSIBLE FOR ANY DAMAGE CAUSED BY HIS/HER OPERATION TO PUBLIC OR PRIVATE PROPERTY, INCLUDING UTILITIES.
18. WORKSITE: CONTRACTOR SHALL KEEP WORK SITE IN AN ORDERLY CONDITION. DURING CONSTRUCTION, THE WORK SITE SHALL BE KEPT FREE DRAINING. AT COMPLETION OF WORK, CONTRACTOR SHALL REMOVE ALL DEBRIS AND LEAVE WORK SITE IN A CONDITION ACCEPTABLE TO THE PROJECT MANAGER.
19. DRAINAGE: THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING DRAINAGE FLOW IN EXISTING DRAINAGE DITCHES, STORM DRAINS. THE COST OF THIS WORK SHALL BE INCIDENTAL TO CONSTRUCTION.
20. SAWCUT PAVEMENT: WHEN ABUTTING NEW PAVEMENT TO EXISTING, THE CONTRACTOR SHALL CUT THE EXISTING PAVEMENT TO A NEAT STRAIGHT LINE, MATCH NEW TO EXISTING PAVEMENT, AND TACK AT ALL CUTS. NO SEPARATE PAYMENT WILL BE MADE FOR PAVEMENT CUTTING. WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF WORK.
21. PAVEMENT DROP-OFF GUIDELINE: IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION IN ACCORDANCE WITH THE NEW MEXICO DEPARTMENT OF TRANSPORTATION'S CURRENT "DROP-OFF GUIDELINE" (AD-241). THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
22. CONCRETE CURING: CONTRACTOR SHALL USE AN NMDOT APPROVED PRODUCT IN ALL FLAT WORK FINISHING. THE USE OF WATER SHALL NOT BE ALLOWED IN ANY CONCRETE FINISHING OPERATIONS. USE OF WATER SHALL BE SUBJECT TO CONCRETE REJECTION AT THE DISCRETION OF THE INSPECTOR OR PROJECT MANAGER.
23. TRAFFIC CONTROL: WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT THEIR TRAFFIC CONTROL PLAN/PERMIT TO THE LAC TRAFFIC DIVISION FOR APPROVAL A MINIMUM OF 10 DAYS PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
24. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRASH GENERATED FROM THE OPERATION. CLEANUP SHALL BE DONE ON A DAILY BASIS AND PLACED IN COVERED BINS PROVIDED BY THE CONTRACTOR OR REMOVED FROM THE PROJECT. BINS SHALL BE PRESENT AT ALL TIMES THROUGHOUT THE PROJECT.

Drawing File: U:\PROJECTS\2023-2100_BATHTUB_ROW\PEACH-NECTAR\02_CAD_DESIGN\PLANS\01_SERIES\6-7_BATHTUB_ROW_GEN_NOTES.DWG

REVISION DESCRIPTION	
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DESIGNED BY: LAC
 DRAWN BY: LAC
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**BATHTUB ROW
RECONSTRUCTION
GENERAL NOTES**



INCORPORATED COUNTY
OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

Karen L. Henderson
 PROFESSIONAL ENGINEER
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GENERAL NOTES

- 25. HOT MIX ASPHALT: WILL BE PAID FOR USING LINE ITEM NO. 423270 HMA (SP IV) COMPLETE. THIS PAY ITEM SHALL INCLUDE AGGREGATE, BINDER, LIME, AND SHALL BE PAID FOR BY THE SQ. YD. SEE SPECIAL PROVISION FOR SECTION 423.
- 26. MAINTENANCE OF AS BUILT PLANS: THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS, AT ALL TIMES AND SHALL BE SUBJECTED TO REVIEW BY THE PROJECT MANAGER OR HIS/HER REPRESENTATIVE THROUGHOUT THE PROJECT. THE FINAL AS-BUILT PLANS, AN ELECTRONIC COPY AND A HARD COPY, SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT. THIS WORK WILL BE INCIDENTAL TO BID ITEM 802000 POST CONSTRUCTION PLANS.
- 27. PROTECTION OF SURVEY MONUMENTS: THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS (MARK) FROM DAMAGE PRIOR TO INITIATING CONSTRUCTION. IF, DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A MARK, THE CONTRACTOR SHALL ESTABLISH A NEW MARK IN COMPLIANCE WITH THE STANDARDS AND PROCEDURES SET FORTH IN THE GEODETIC MARK PRESERVATION GUIDEBOOK. NATIONAL GEODETIC SURVEY, MARCH 1990. CONTACT: NGS MARK PRESERVATION CENTER-NOAA, TELEPHONE (505)768-3606. WHEN IT BECOMES NECESSARY, BY REASON OF CONSTRUCTION, TO REMOVE OR OBLITERATE ANY TRIANGULATION STATION, BENCHMARK, CORNER, MONUMENT, STAKE, WITNESS MARK, OR OTHER SURVEY REFERENCE MARK, IT SHALL BE THE DUTY OF THE CONTRACTOR TO CAUSE, AT THE CONTRACTOR'S EXPENSE, THE MARK TO BE RE-ESTABLISHED BY A REGISTERED SURVEYOR IN ACCORDANCE WITH THE NEW MEXICO STATE STATUTE 61-23-1 THROUGH 61-23-32.
- 28. CONTRACTOR SHALL USE CONCRETE OCTAGON PATTERN COLLARS FOR ALL MANHOLE AND VALVE ADJUSTMENTS. FOR LOCATIONS OF CLUSTER OF VALVES THE DIMENSION OF CONCRETE COLLAR SHALL BE APPROVED BY LOS ALAMOS COUNTY PROJECT MANAGER PRIOR TO PLACEMENT. SOME LOCATIONS OF VALVES, MANHOLES MAY RESIDE IN SIDEWALKS, VALLEY GUTTERS, DRIVE PADS, ETC. AND ARE INCIDENTAL TO THE ITEM OF INSTALLATION WHERE LOCATED.
- 29. CONTRACTOR SHALL SURVEY ALL VALVES AND MANHOLE LIDS DURING CONSTRUCTION STAKING AND VERIFY PRIOR TO ASPHALT REMOVAL AND PLACEMENT.
- 30. THE CONTRACTOR IS RESPONSIBLE TO FIX, BACK TO THE ORIGINAL STATE, ANY STRUCTURE DAMAGED THROUGHOUT THE DURATION OF CONSTRUCTION.
- 31. THE CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF STORM WATER POLLUTION PREVENTION MEASURES. ANY OFF-SITE OPERATIONS, LOCATIONS, SUCH AS STAGING AREAS AND STOCKPILE LOCATIONS SHALL BE PROTECTED AND MANAGED BY THE CONTRACTOR AS PER GENERAL PERMIT REQUIREMENTS.
- 32. THE LEFT AND RIGHT CURB LINE ELEVATIONS VARY THROUGHOUT ANY GIVEN SECTION OF ROADWAY.
 - A. PEACH / NECTAR ST. THE CONTROLLING CROSS SLOPE SHALL ORIGINATE FROM THE LOWEST CURB LINE ELEVATION FOR THAT SECTION OF ROADWAY. THE CROSS SLOPE ORIGINATING FROM THE HIGHEST CURB LINE ELEVATIONS SHALL MEET THE CONTROLLING CROSS SLOPE AT THE TRUE CENTERLINE. IT IS THE INTENT OF THIS CONTRACT THAT FOR ANY GIVEN SECTION OF ROADWAY, THE CROWN'S CROSS SLOPE WILL HAVE A NOMINAL VALUE OF 2.0%. THE CONTROLLING CROSS SLOPE SHALL BE 2.0% WHEREAS THE CROSS SLOPE ORIGINATING FROM THE HIGHEST CURB LINE SHALL BE NO LESS THAN 1.0%. EXCEPTIONS TO THIS OCCUR AT INTERSECTIONS. THE ROADWAY CROSS SLOPES WILL TRANSITION TO THE EXISTING GRADES OF THE INTERSECTION STREETS AND DRIVEWAYS TO ALLOW PROPER DRAINAGE.
 - B. BATHTUB ROW. THE CROSS SLOPE SHALL MATCH EXISTING CROSS SLOPE TO MAINTAIN THE EXISTING FLOW PATTERN.
- 33. CONTRACTOR SHALL AT ALL TIMES HAVE THE PROJECT MARKED WITH STATIONING. ALL STATIONING SHALL BE MARKED ON CURB FACE OR ON A LATH VISIBLE TO CONSTRUCTION AT ALL TIMES DURING CONSTRUCTION. STATIONING SHALL BE INCIDENTAL TO LINE ITEM 801000-CONSTRUCTION STAKING BY THE CONTRACTOR.
- 34. ALL UTILITY LOCATIONS SHALL BE OFFSET WITH DISTANCES AND DEPTHS (ONCE POT HOLED) AND VERIFIED BY THE PROJECT MANAGER. CONTRACTOR SHALL HAVE A LOG/BINDER WITH PICTURES OF ALL UTILITY LINES LOCATED ON THE PROJECT FOR REFERENCE THROUGHOUT THE PROJECT. THE LOG/BINDER SHALL BE ON SITE AT ALL TIMES.
- 35. CONTRACTOR SUBMITTALS SHALL ONLY UTILIZE PRODUCTS ON THE CURRENT NMDOT APPROVED PRODUCTS LIST. STANDARDS REFERENCED IN THE APPROVED PRODUCT LIST SHALL BE THE LATEST VERSION OF THAT STANDARD, REGARDLESS OF THE YEAR OR DATE INDICATED UNLESS OTHERWISE APPROVED BY PROJECT MANAGER.
- 36. LOS ALAMOS COUNTY NOISE ORDINANCE PROVISIONS: THE CONTRACTOR SHALL COMPLY WITH ALL LOS ALAMOS COUNTY ORDINANCES.
- 37. CONTRACTOR SHALL COORDINATE ALL UTILITY WORK WITH LOS ALAMOS COUNTY DEPARTMENT OF PUBLIC UTILITIES PRIOR TO BEGINNING WORK. ALL REROUTING OF UTILITY SERVICES SHALL MEET THE DPU CONSTRUCTION STANDARDS. RESIDENTS SHALL BE NOTIFIED 24 HOURS PRIOR TO UTILITY SHUTOFFS THAT ARE LESS THAN 2 HOURS AND 48 HOURS PRIOR FOR SHUTOFFS MORE THAN 2 HOURS.



30 May 2024

NO.	REVISION DESCRIPTION
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DESIGNED BY:	LAC
DRAWN BY:	LAC
APPROVED BY:	LAC
DATE:	5/30/2024
SCALE:	1" = 20'

**BATHTUB ROW
RECONSTRUCTION
GENERAL NOTES**



INCORPORATED COUNTY
OF LOS ALAMOS
PUBLIC WORKS DEPARTMENT
1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109

SHEET
1-7

Drawing File: U:\PROJECTS\2023-2100_BATHTUB_ROW\PEACH-NECTAR\02_CAD_DESIGN\PLANS\01_SERIES\8 BATHTUB ROW INCIDENTAL.DWG

INCIDENTAL ITEMS

1. PAVEMENT DROP-OFF PROTECTION. SEE GENERAL NOTE.
2. BED COURSE/BASE COURSE UNDER CURB AND GUTTER, VALLEY GUTTERS AND FILLETS, DRIVE PADS (SEE CURB AND GUTTER AND SIDEWALK DETAILS DRAWINGS).
3. CONTRACTOR UTILITY COORDINATION - SEE GENERAL NOTE 9 AND 37.
4. ALL TRIMMING OF SHRUBS AND OTHER LANDSCAPING NECESSARY (INCLUDING DISPOSAL) FOR CONSTRUCTION IS INCIDENTAL TO ITEM 201000, CLEARING AND GRUBBING.
5. CONCRETE FINISHING AND CURING COMPOUNDS.
6. CONTRACTOR IS RESPONSIBLE FOR DISTRIBUTION OF DOOR HANGERS OR ANY OTHER DOOR TO DOOR NOTIFICATIONS.
7. PAVEMENT MAINTENANCE (POT HOLES), STREET SWEEPING, AND DUST CONTROL DURING THE DURATION OF THE PROJECT.
8. ADDITIONAL MINOR REMOVALS (UP TO 5% OF QUANTITY) CONSIST OF ADDITIONAL SAW CUTTING, REMOVAL OF ASPHALT, REMOVAL OF CONCRETE NECESSARY TO COMPLETE THE SUMMARY OF WORK
9. MATERIAL TO INSTALL DETECTABLE WARNING SURFACE (CAST IRON) TO EITHER FRESH OR EXISTING CONCRETE
10. CONSTRUCTION WATER AND WATER METER
11. PAVEMENT NEATLINE SAW CUTTING AND GUTTER PAN OF EXISTING CONCRETE PAN THAT IS TO REMAIN, MATCH PROPOSED WIDTH.
12. REMOVAL OF DRIVE PADS, SIDEWALKS, CURB RAMPS AND CURB & GUTTER SHALL BE INCIDENTAL TO ITEM 601000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS.
13. $\frac{1}{2}$ " EXPANSION MATERIAL AT LOCATIONS THAT ABUT NEW CONCRETE, DESIGNATED BY PROJECT MANAGER.
14. HAULING, STOCKPILING AND DISPOSAL OF EXCESS MATERIALS.


Karen L. Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

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**BATHTUB ROW
 RECONSTRUCTION
 INCIDENTAL ITEMS**



INCORPORATED COUNTY
 OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
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SHEET
 1-8

ENVIRONMENTAL NOTES

1. TREES AND SHRUBS WILL BE REMOVED OUTSIDE OF THE GENERAL NESTING SEASON FOR THE AREA (MARCH 15 - SEPTEMBER 1) TO AVOID POTENTIAL MIGRATORY BIRDS IMPACTS. IF THIS IS NOT POSSIBLE, A PRE-CONSTRUCTION SURVEY FOR OCCUPIED NESTS WILL BE CONDUCTED PRIOR TO THE BEGINNING OF PROJECT CONSTRUCTION.
2. ANY TRENCHING OR EXCAVATION WILL BE BURIED CONCURRENTLY TO REDUCE TRAPPING OF SMALL MAMMALS AND REPTILES IN ACCORDANCE WITH THE NEW MEXICO DEPARTMENT OF GAME AND FISH TRENCHING GUIDELINES.
3. THE CONTRACTOR SHALL USE A CONCRETE WASHOUT SYSTEM BIN/CONTAINER OR APPROVED EQUAL AND THIS SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT.
4. THE CONSTRUCTION CONTRACTOR WILL DEVELOP AND IMPLEMENT A STORM WATER POLLUTION PREVENTION PLAN TO PREVENT EROSION AND SEDIMENT TRANSPORT.
5. DISTURBED AREAS SHALL BE REVEGETATED WITH A MIXTURE OF NATIVE SEEDS (EQUAL PARTS BLUE GRAMA-BOUPELOUSA GRACILIS, BIG BLUE STERN-ANDROPOGON GERARDII, WESTERN WHEATGRASS-ELYMUS SMITHII) AND MULCH CERTIFIED NOXIOUS WEED-FREE AS REQUIRED BY SECTION 632 OF THE 2019 NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION. THE SEED SHALL BE SUBMITTED TO LOS ALAMOS COUNTY FOR REVIEW AND APPROVAL.
6. PORT-O-JOHN SHALL BE ANCHORED SECURELY.



NO.	REVISION DESCRIPTION
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APPROVED BY:	LAC
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SCALE:	1" = 20'

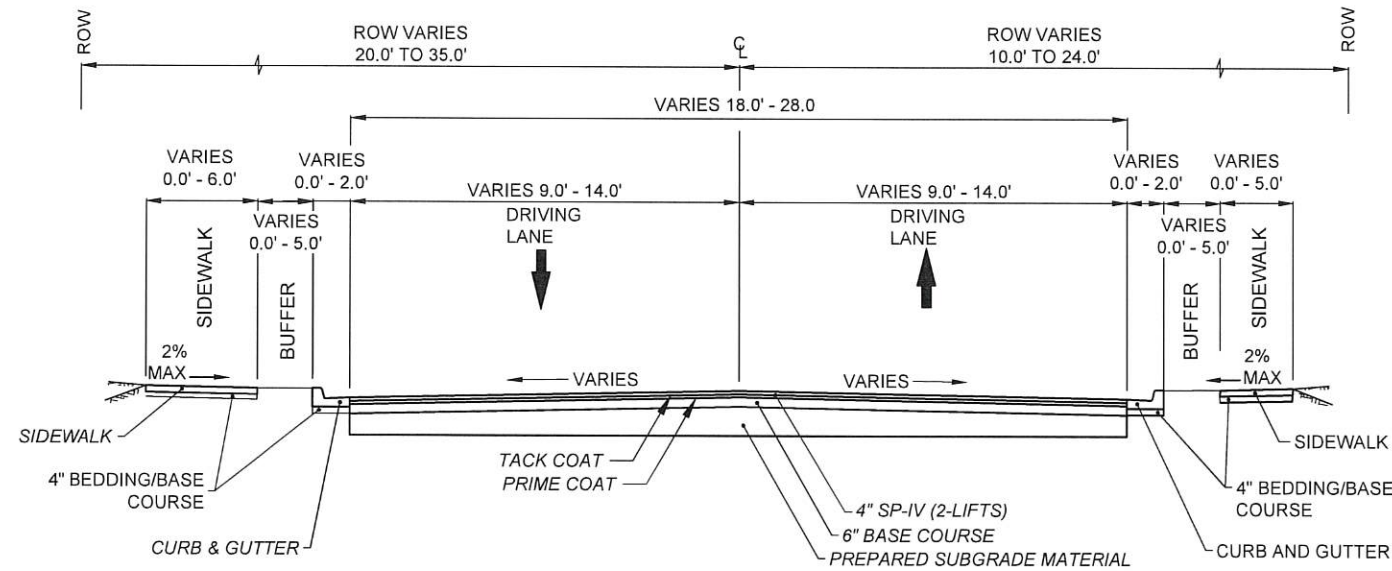
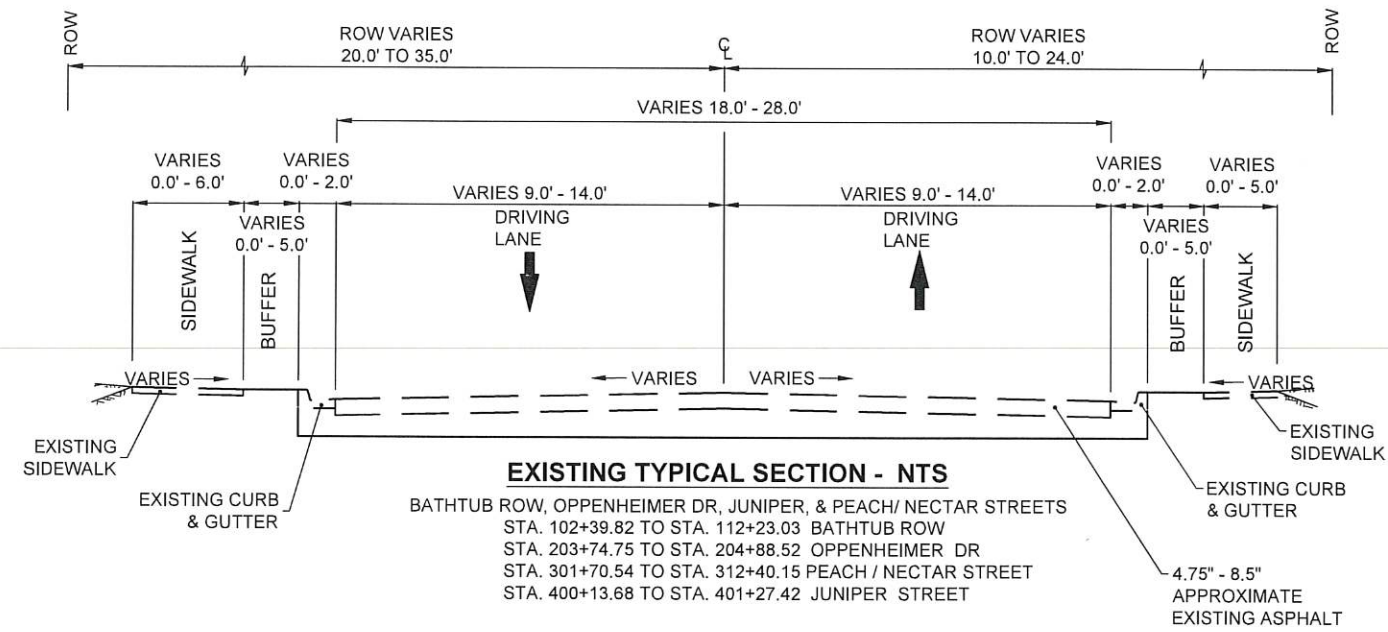
BATHTUB ROW
RECONSTRUCTION
ENVIRONMENTAL NOTES



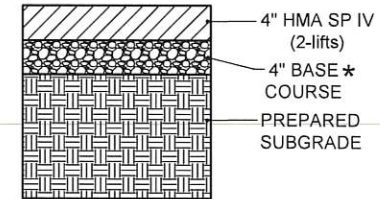
INCORPORATED COUNTY
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1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109

SHEET
1-9

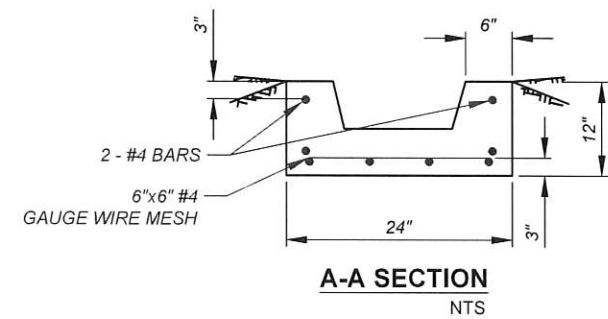
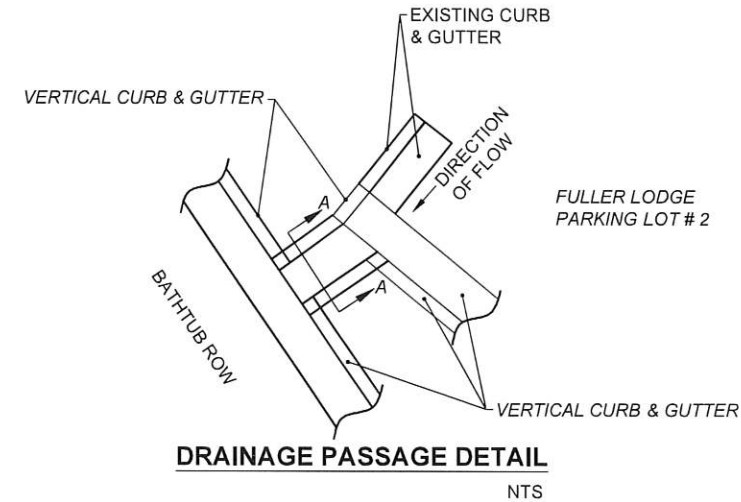
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LENGTH OF PROJECT					
STATION	TO	STATION	LENGTH		REMARKS
			LIN FT.	MILES	
102+39.82	-	112+23.03	983.21	0.186	BATHTUB ROW (ROADWAY)
203+74.75	-	204+88.52	113.77	0.022	OPPENHEIMER DRIVE (ROADWAY)
301+70.54	-	312+40.15	1069.61	0.203	PEACH / NECTAR STREET (ROADWAY)
400+13.68	-	401+27.42	113.74	0.022	JUNIPER STREET (ROADWAY)
PROJECT LENGTH			2280.33	0.433	



* UTILITY ITEMS PAVEMENT DETAIL FOR UTILITIES TRENCH. IF EXISTING IS GREATER THICKNESS MATCH EXISTING THICKNESS.
 ** PAVEMENT QUANTITY UNDER BID ALTERNATE 1 - PARKING LOTS.
 *** PAVEMENT QUANTITY UNDER UTILITY ITEMS.



KAREN L. HENDERSON
 NEW MEXICO
 17686
Karen L. Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

NO.	REVISION DESCRIPTION
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DESIGNED BY: LAC
 DRAWN BY: LAC
 APPROVED BY: LAC
 DATE: 5/30/2024
 SCALE: 1" = 10'

BATHTUB ROW RECONSTRUCTION
 TYPICAL SECTION



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET 2-1

Drawing File: U:\PROJECTS\2023-2100_BATHTUB_ROW\PEACH-NECTAR\02_CAD_DESIGN\PLANS\02_SERIES\BATHTUB_ROW_SURF_SCH.DWG

SURFACING SCHEDULE

	STATION	STATION	LENGTH (FT)	207000			303160			407000		408100		417000			423270			601110	
				WIDTH (FT)	UNIT (SY)	WIDTH (FT)	DEPTH (IN.)	UNIT (SY)	WIDTH (FT)	UNIT (TONS)	WIDTH (FT)	UNIT (TONS)	WIDTH (FT)	DEPTH (IN.)	UNIT (SY)	WIDTH (FT)	DEPTH (IN.)	UNIT (SY)	WIDTH (FT)	UNIT (SY)	
BATHTUB ROW																					
ROADWAY	102+39.82	105+05.00	265	20	589	20	6.0	589	20	0.20	20	1.10				20	4.0	589	20	589	
ROADWAY	105+05.00	112+23.03	718.03	23	1,835	23	6.0	1,835	23	0.61	23	3.44				23	4.0	1,835	23	1,835	
TIE IN RT	102+66.51	103+00.18	34	9	34	9	6.0	34	9	0.01	9	0.06				9	4.0	34	9	34	
TIE IN LT	102+84.28	103+06.08	22	5.7	14	5.7	6.0	14	5.7	0.00	5.7	0.03				5.7	5.0	14	5.7	14	
TIE IN RT	103+34.06	103+72.87	39		143		6.0	143		0.05		0.27					4.0	143		143	
TIE IN RT	104+20.65	104+49.71	29	4	13	4	6.0	13	4	0.00	4	0.02				4	4.0	13	4	13	
TIE IN RT	104+78.14	104+99.22	21	6	14	6	6.0	14	6	0.00	6	0.03				6	4.0	14	6	14	
TIE IN LT	105+38.72	105+85.90	47.18	9	47	9	6.0	47	9	0.02	9	0.09				9	4.0	47	9	47	
TIE IN LT	105+93.22	106+40.89	47.67	14	74	14	6.0	74	14	0.02	14	0.14				14	4.0	74	14	74	
OPPENHEIMER DR																					
ROADWAY	203+74.75	204+88.52	114	21	265	21	6.0	265	21	0.09	21	0.50				21	4.0	265	21	265	
PEACH/NECTAR ST																					
ROADWAY	301+70.54	304+48.00	277	26.5	817	26.5	6.0	817	26.5	0.27	26.5	1.53				26.5	4.0	817	26.5	817	
ROADWAY	304+48.00	305+64.00	116	25	322	25	6.0	322	25	0.11	25	0.60				25	4.0	322	25	322	
ROADWAY	305+64.00	312+40.15	676.15	26	1,953	26	6.0	1,953	26	0.65	26	3.66				26	4.0	1,953	26	1,953	
TIE IN RT	302+07.42	302+31.18	24	28	74	28	6.0	74	28	0.02	28	0.14				28	4.0	74	28	74	
TIE IN RT	304+51.75	305+17.33	65.58	14	102	14	6.0	102	14	0.03	14	0.19				14	4.0	102	14	102	
TIE IN LT	305+09.66	305+62.88	53.22	16	95	16	6.0	95	16	0.03	16	0.18				16	4.0	95	16	95	
SOCCER FIELD PARKING LOT	305+22.40	305+42.62	88	73	714	73.0	6.0	714	73.0	0.24	73.0	1.34				73.0	4.0	714	73.0	714	
TIE IN RT	306+76.60	307+10.25	33.65	7.5	28	7.5	6.0	28	7.5	0.01	7.5	0.05				7.5	4.0	28	7.5	28	
TIE IN RT	307+48.50	307+96.20	47.7	7.5	40	7.5	6.0	40	7.5	0.01	7.5	0.07				7.5	4.0	40	7.5	40	
TIE IN LT	308+58.72	308+77.84	19.12	13.5	29	13.5	6.0	29	13.5	0.01	13.5	0.05	13.5	4.0	29				13.5	29	
TIE IN LT	310+55.88	310+68.79	12.91	5	7	5.0	6.0	7	5.0	0.00	5.0	0.01	5	4.0	7				5.0	7	
JUNIPER ST																					
ROADWAY	400+13.68	401+27.42	114	34	430	34	6.0	430	34	0.14	34	0.81	34	3.0	430	34	4.0	430	34	430	
PROJECT TOTAL			2863.54		7,638.55			7,638.55		2.55		14.32			465.54			7,602.70		7,638.55	
PROJECT USE			2,864		7,640			7,640		3.0		15			470			7,610		7,640	

BID ALTERNATE -1 SURFACING SCHEDULE

	STATION	STATION	LENGTH (FT)	207000			303140			407000		408100		423270			601110	
				WIDTH (FT)	UNIT (SY)	WIDTH (FT)	DEPTH (IN.)	UNIT (SY)	WIDTH (FT)	UNIT (TONS)	WIDTH (FT)	UNIT (TONS)	WIDTH (FT)	DEPTH (IN.)	UNIT (SY)	WIDTH (FT)	UNIT (SY)	
BID ALTERNATE - 1 PARKING LOTS																		
PARKING LOT # 1					417		4.0	417		0.14		0.09		4.0	417		417	
PARKING LOT # 2					722		4.0	722		0.24		0.15		4.0	722		722	
PROJECT TOTAL			0.00		1138.67			1138.67		0.38		0.24			1138.67		1138.67	
PROJECT USE			0		1,140			1,140		1.0		1			1,140		1,140	

ESTIMATED SURFACING FACTORS

ITEM	64-28 OR 70-22 PERFORMANCE GRADED ASPHALT MATERIAL		UNIT WEIGHT	HYDRATED LIME (BY WEIGHT OF TOTAL MIX)	** TACK SECT.		** PRIME SECT.	
	UNIT (SY)	WIDTH (FT)			GAL/SY	GAL/TON	GAL/SY	GAL/TON
UNTREATED BASE COURSE			3950					
HMA SP IV COMPLETE	6.40%		4000	1.0%				
ASPHALT MATERIAL FOR PRIME COAT							0.45	240
ASPHALT MATERIAL FOR TACK COAT					0.08	240		

** FOR ESTIMATING PURPOSES ONLY, ACTUAL WEIGHTS OR PERCENTS DETERMINED BY APPROVED MIX DESIGN.

NO.	REVISION DESCRIPTION
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DESIGNED BY: LAC
 DRAWN BY: LAC
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 SCALE: 1" = 20'

BATHTUB ROW
 RECONSTRUCTION
 SURFACING SCHEDULE



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

KAREN L. HENDERSON
 NEW MEXICO
 17686
Karen Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

SHEET
 2-2

Drawing File: U:\PROJECTS\2023\2100_BATHUB_ROW\PEACHNECTAR02_CAD_DESIGN\PLANS\02_SERIES\BATHUB_ROW_MISC.DWG

ITEM NO. 601000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

STATION	TO	STATION	LT/RT	QUANTITY	REMARKS
BATHUB ROW					
104+47.02		104+65.84	LT	25.7	S.Y. EXISTING CONCRETE SIDEWALK 6'
105+15.00		105+49.32	LT	41.3	S.Y. EXISTING CONCRETE SIDEWALK 6'
105+66.54		106+03.97	LT	25.0	S.Y. EXISTING CONCRETE SIDEWALK 6'
106+32.93		106+36.69	LT	8.0	S.Y. EXISTING CONCRETE SIDEWALK 6'
107+14.48		107+20.92	LT	6.7	S.Y. EXISTING CONCRETE SIDEWALK 5'
102+07.57		102+14.38	RT	10.0	S.Y. EXISTING CONCRETE SIDEWALK 6'
102+53.71		102+65.68	RT	8.0	S.Y. EXISTING CONCRETE SIDEWALK 6'
102+93.36		103+39.44	RT	34.7	S.Y. EXISTING CONCRETE SIDEWALK 4'
104+50.90		104+55.10	RT	4.9	S.Y. EXISTING CONCRETE SIDEWALK 4'
104+99.22		107+11.56	RT	70.0	S.Y. EXISTING CONCRETE SIDEWALK 3'
104+39.27		104+68.14	LT	32.0	LIN. FT. EXISTING CURB & GUTTER
104+83.61		105+49.26	LT	80.0	LIN. FT. EXISTING CURB & GUTTER
105+69.51		106+09.94	LT	60.0	LIN. FT. EXISTING CURB & GUTTER
102+39.84		102+66.88	RT	35.0	LIN. FT. EXISTING CURB & GUTTER
102+93.36		103+39.44	RT	69.0	LIN. FT. EXISTING CURB & GUTTER
103+46.93		104+23.95	RT	132.0	LIN. FT. EXISTING CURB & GUTTER
103+93.37		104+10.83	RT	17.5	LIN. FT. EXISTING CURB & GUTTER
104+42.13		104+50.95	RT	14.6	LIN. FT. EXISTING CURB & GUTTER
108+30.37		108+74.26	RT	43.9	LIN. FT. EXISTING CURB & GUTTER
109+08.75		110+21.56	RT	112.8	LIN. FT. EXISTING CURB & GUTTER
110+43.88		112+23.03	RT	179.2	LIN. FT. EXISTING CURB & GUTTER
110+83.20		111+20.11	RT	10.3	S.Y. EXISTING DRIVE PAD
111+67.33		112+10.81	RT	29.0	S.Y. EXISTING DRIVE PAD
104+36.64		104+46.55	LT	5.0	S.Y. EXISTING FILLET
106+32.23		106+32.23	LT	1.0	EACH EXISTING ELECTRICAL PULL BOX
106+44.60		106+44.60	LT	1.0	EACH EXISTING ELECTRICAL PULL BOX
OPPENHEIMER DR					
203+88.48		203+98.51	LT	5.57	S.Y. EXISTING CONCRETE SIDEWALK 5'
204+52.31		204+88.29	LT	19.99	S.Y. EXISTING CONCRETE SIDEWALK 5'
204+52.31		204+88.29	LT	35.98	LIN. FT. EXISTING CURB & GUTTER
204+00.31		204+16.70	RT	10.93	S.Y. EXISTING CONCRETE SIDEWALK 6'
204+00.31		204+75.63	RT	75.32	LIN. FT. EXISTING CURB & GUTTER

ITEM NO. 601000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

STATION	TO	STATION	LT/RT	QUANTITY	REMARKS
PEACH/NECTAR ST					
302+04.73		303+84.26	LT	79.79	S.Y. EXISTING CONCRETE SIDEWALK 4'
304+47.16		305+16.13	LT	30.65	S.Y. EXISTING CONCRETE SIDEWALK 4'
305+44.51		305+45.50	LT	5.50	S.Y. EXISTING CONCRETE SIDEWALK 4'
305+44.51		308+56.53	LT	138.68	S.Y. EXISTING CONCRETE SIDEWALK 4'
308+79.74		310+53.80	LT	77.36	S.Y. EXISTING CONCRETE SIDEWALK 4'
310+69.57		310+79.92	LT	9.20	S.Y. EXISTING CONCRETE SIDEWALK 8' TIE IN
310+71.03		312+16.66	LT	64.72	S.Y. EXISTING CONCRETE SIDEWALK 4'
301+26.17		301+40.95	RT	11.50	S.Y. EXISTING CONCRETE SIDEWALK 7'
301+40.95		301+62.48	RT	23.00	S.Y. EXISTING CONCRETE SIDEWALK 6'
301+58.90		301+90.68	RT	21.19	S.Y. EXISTING CONCRETE SIDEWALK 6'
302+17.75		303+05.97	RT	60.00	S.Y. EXISTING CONCRETE SIDEWALK 6'
303+05.97		303+79.95	RT	49.32	S.Y. EXISTING CONCRETE SIDEWALK 6'
304+16.80		304+69.28	RT	34.99	S.Y. EXISTING CONCRETE SIDEWALK 6'
304+57.70		304+68.68	RT	6.67	S.Y. EXISTING CONCRETE SIDEWALK 6'
305+02.95		306+83.61	RT	80.29	S.Y. EXISTING CONCRETE SIDEWALK 4'
307+06.04		307+56.73	RT	22.53	S.Y. EXISTING CONCRETE SIDEWALK 4'
307+85.12		309+32.73	RT	65.60	S.Y. EXISTING CONCRETE SIDEWALK 4'
307+98.83		308+03.50	RT	2.59	S.Y. EXISTING CONCRETE SIDEWALK 4'
309+67.59		309+82.72	RT	8.41	S.Y. EXISTING CONCRETE SIDEWALK 4'
302+04.73		303+84.26	LT	179.53	LIN. FT. EXISTING CURB & GUTTER
304+47.16		305+20.46	LT	80.00	LIN. FT. EXISTING CURB & GUTTER
304+96.92		305+20.46	LT	116.00	LIN. FT. EXISTING CURB & GUTTER
305+18.95		305+44.51	LT	139.00	LIN. FT. EXISTING CURB & GUTTER
305+44.51		308+56.53	LT	312.02	LIN. FT. EXISTING CURB & GUTTER
308+79.73		310+53.80	LT	174.07	LIN. FT. EXISTING CURB & GUTTER
310+69.57		312+16.66	LT	154.09	LIN. FT. EXISTING CURB & GUTTER
301+26.09		301+94.17	RT	106.08	LIN. FT. EXISTING CURB & GUTTER
302+18.64		304+73.15	RT	275.00	LIN. FT. EXISTING CURB & GUTTER
305+02.95		306+83.61	RT	190.00	LIN. FT. EXISTING CURB & GUTTER
307+06.13		307+57.07	RT	57.00	LIN. FT. EXISTING CURB & GUTTER
307+84.70		309+34.82	RT	155.00	LIN. FT. EXISTING CURB & GUTTER
309+67.32		309+82.68	RT	18.00	LIN. FT. EXISTING CURB & GUTTER
310+75.64		310+95.64	RT	20.00	LIN. FT. EXISTING CURB & GUTTER
301+70.54		302+04.73	LT	18.99	S.Y. EXISTING DRIVE PAD
310+53.80		310+69.57	LT	8.76	S.Y. EXISTING DRIVE PAD
309+34.99		309+65.20	RT	16.78	S.Y. EXISTING DRIVE PAD
310+48.49		310+55.88	LT	2.87	S.Y. EXISTING FILLET
310+68.79		310+76.78	LT	3.11	S.Y. EXISTING FILLET
309+26.07		309+34.99	RT	3.47	S.Y. EXISTING FILLET
309+65.20		309+75.68	RT	4.08	S.Y. EXISTING FILLET
305+60.27		305+30.27	LT	40.00	LIN. FT. EXISTING VALLEY GUTTER
310+55.88		310+68.79	LT	12.91	LIN. FT. EXISTING VALLEY GUTTER
301+81.53		302+54.96	RT	73.43	LIN. FT. EXISTING VALLEY GUTTER
309+34.99		309+65.20	RT	30.21	LIN. FT. EXISTING VALLEY GUTTER
JUNIPER ST					
400+17.02		400+43.08	RT	26.06	LIN. FT. EXISTING CURB & GUTTER
400+13.28		400+43.08	RT	29.80	LIN. FT. EXISTING CURB & GUTTER

SUMMARY

TOTAL PROJECT:
 1062.67 S.Y. REMOVE EXISTING SIDEWALK
 2929.79 LIN. FT. REMOVE EXISTING CURB & GUTTER
 83.78 S.Y. REMOVE EXISTING DRIVE PAD
 18.48 S.Y. REMOVE EXISTING FILLET
 2.00 EACH REMOVE EXISTING PULL BOX
 156.55 LIN. FT. REMOVE EXISTING VALLEY GUTTER

NO.	REVISION DESCRIPTION
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DESIGNED BY: LAC
 DRAWN BY: LAC
 APPROVED BY: LAC
 DATE: 5/30/2024
 SCALE: 1" = 20'

**BATHUB ROW
 RECONSTRUCTION
 MISCELLANEOUS
 QUANTITIES**



INCORPORATED COUNTY
 OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109



30 May 2024

ITEM NO. 608004 CONCRETE SIDEWALK 4"

STREET	STATION	TO	STATION	LT/RT	LENGTH	WDTH	AREA (SQ. YD.)	REMARKS
BATHTUB ROW	105+15.00		105+34.13	LT	29.50	6	19.7	
BATHTUB ROW	105+16.00		105+31.97	LT	14.00	9.5	14.8	
BATHTUB ROW	105+34.13		105+43.66	LT	19.00	6	12.7	
BATHTUB ROW	105+82.44		105+93.11	LT	12.00	5	6.7	
BATHTUB ROW	102+07.57		102+14.38	RT	15.00	5	8.3	
BATHTUB ROW	102+47.00		102+53.68	RT	6.68	5	3.7	BID ALTERNATE 3 BROADBAND PULL BOX
BATHTUB ROW	103+09.51		103+21.00	RT	11.49	5	6.4	
BATHTUB ROW	107+11.89		107+17.37	RT		5	11.9	SIDEWALK TIE-IN
OPPENHEIMER DR	203+88.48		203+98.51	LT	10.03	5	5.6	
OPPENHEIMER DR	204+52.31		204+88.29	LT	35.98	5	20.0	
PEACH ST/NECTAR ST	302+04.73		303+84.26	LT	179.53	5	99.7	BID ALTERNATE 3 BROADBAND PULL BOX
PEACH ST/NECTAR ST	304+47.16		305+00.00	LT	52.84	5	29.4	
PEACH ST/NECTAR ST	305+63.13		308+36.79	LT	273.66	5	152.0	
PEACH ST/NECTAR ST	308+98.17		310+41.62	LT	143.45	5	79.7	
PEACH ST/NECTAR ST	310+86.91		312+16.66	LT	129.75	5	72.1	
PEACH ST/NECTAR ST	301+26.17		301+40.95	RT	14.78	7	11.5	RAMP
PEACH ST/NECTAR ST	301+40.95		301+62.48	RT		6	23.0	
PEACH ST/NECTAR ST	302+68.02		303+79.95	RT	111.93	6	74.6	
PEACH ST/NECTAR ST	304+16.80		304+49.33	RT	32.53	6	21.7	
PEACH ST/NECTAR ST	305+19.93		306+69.50	RT	149.57	5	83.1	
PEACH ST/NECTAR ST	307+17.61		307+41.34	RT	23.73	5	13.2	
PEACH ST/NECTAR ST	308+10.50		309+19.45	RT	108.95	5	60.5	
PROJECT TOTAL							830.2	
PROJECT USE							840	

ITEM NO. 608106 DRIVEPAD 6"

STREET	STATION	TO	STATION	LT/RT	LENGTH	WIDTH	AREA (SQ. YD.)	REMARKS
BATHTUB ROW	110+83.20		111+20.11	RT	36.91	2	8.2	
BATHTUB ROW	111+67.33		112+10.81	RT	43.48	6	29.0	
PEACH ST/NECTAR ST	301+70.54		302+04.73	LT	34.19	5	19.0	
PROJECT TOTAL							56.2	
PROJECT USE							60	

REPLACEMENT OF CONCRETE VALLEY GUTTER, FILLETS AND LAYDOWN CURB *

STREET	STATION	TO	STATION	LT/RT	LIN. FT.	SY.YD	REMARKS
PEACH/NECTAR ST	312+42.15		312+47.15	LT/RT	26.00	14.44	CONCRETE VALLEY GUTTER 6"x60"
PEACH/NECTAR ST	312+28.48		312+47.20	RT		18.98	CONCRETE FILLET
PEACH/NECTAR ST	312+28.48		312+48.09	RT	27.50	35.92	CONCRETE LAYDOWN CURB 6"
PROJECT TOTAL						69.34	
PROJECT USE						70	

* QUANTITY UNDER UTILITY ITEMS

ITEM NO. 608009 ADA CURB RAMP

CR-#	STREET	STATION	TO	STATION	LT/RT	LENGTH	WDTH	AREA (SQ. YD.)	REMARKS
CR-4	BATHTUB ROW	104+47.02		104+65.83	LT		6	25.4	PERPENDICULAR CURB RAMP
CR-6	BATHTUB ROW	105+31.97		105+49.26	LT		6	19.8	PARALLEL CURB RAMP
CR-7	BATHTUB ROW	105+69.51		105+82.44	LT	20.00	5.5	12.2	SINGLE DIAGONAL PARALLEL CURB RAMP
CR-8	BATHTUB ROW	105+92.96		106+09.94	LT	22.00	5.5	13.4	PARALLEL CURB RAMP
CR-9	BATHTUB ROW	106+31.00		106+41.30	LT		6	13.8	PERPENDICULAR CURB RAMP
CR-12	BATHTUB ROW	107+07.32		107+28.36	LT		5	15.4	PERPENDICULAR CURB RAMP
CR-1	BATHTUB ROW	102+53.71		102+65.88	RT	13.50	6.5	14.6	PERPENDICULAR CURB RAMP
CR-2	BATHTUB ROW	102+93.36		103+09.51	RT	16.15	5.5	9.9	PARALLEL CURB RAMP
CR-3	BATHTUB ROW	103+21.00		103+39.44	RT		5.5	30.3	SINGLE DIAGONAL PARALLEL CURB RAMP
CR-5	BATHTUB ROW	104+45.23		104+62.01	RT		5	14.8	PERPENDICULAR CURB RAMP
CR-10	BATHTUB ROW	107+07.38		107+21.46	RT		5	15.3	PERPENDICULAR CURB RAMP
CR-31	OPPENHEIMER DR	204+00.31		204+16.70	RT	16.39	8	14.6	PARALLEL CURB RAMP
CR-17	PEACH/NECTAR ST	305+00.00		305+16.13	LT	16.13	5.5	9.9	PARALLEL CURB RAMP
CR-18	PEACH/NECTAR ST	305+44.51		305+63.13	LT	24.80	5.5	15.2	SINGLE DIAGONAL PARALLEL CURB RAMP
CR-30	PEACH/NECTAR ST	305+44.51		305+64.05	LT	41.50	5.5	25.4	PARALLEL CURB RAMP SOCCER FIELD
CR-23	PEACH/NECTAR ST	308+36.79		308+56.53	LT	25.00	5.5	15.3	SINGLE DIAGONAL PARALLEL CURB RAMP
CR-24	PEACH/NECTAR ST	308+79.73		308+98.17	LT	25.67	5.5	15.7	SINGLE DIAGONAL PARALLEL CURB RAMP
CR-27	PEACH/NECTAR ST	310+41.62		310+53.80	LT	12.18	5.5	7.4	PARALLEL CURB RAMP
CR-28	PEACH/NECTAR ST	310+69.57		310+86.91	LT	17.34	5.5	18.7	PARALLEL CURB RAMP
CR-13	PEACH/NECTAR ST	301+56.24		301+96.02	RT		6	33.4	PARALLEL CURB RAMP
CR-14	PEACH/NECTAR ST	302+34.02		302+68.02	RT		6.5	22.7	PARALLEL CURB RAMP
CR-15	PEACH/NECTAR ST	304+49.33		304+71.23	RT		7	27.6	SINGLE DIAGONAL PARALLEL CURB RAMP
CR-16	PEACH/NECTAR ST	305+02.95		305+19.93	RT		6	11.9	PARALLEL CURB RAMP
CR-19	PEACH/NECTAR ST	306+69.50		306+83.61	RT	14.11	5.5	8.6	PARALLEL CURB RAMP
CR-20	PEACH/NECTAR ST	307+06.04		307+17.61	RT	11.57	5.5	7.1	PARALLEL CURB RAMP
CR-21	PEACH/NECTAR ST	307+41.34		307+56.73	RT	15.39	5.5	9.4	PARALLEL CURB RAMP
CR-22	PEACH/NECTAR ST	307+85.12		308+10.50	RT		5.5	16.4	PARALLEL CURB RAMP
CR-25	PEACH/NECTAR ST	309+19.45		309+32.88	RT	13.43	5.5	8.2	PARALLEL CURB RAMP
CR-26	PEACH/NECTAR ST	309+67.32		309+82.68	RT	15.36	5.5	9.4	PARALLEL CURB RAMP
CR-11	JUNIPER ST	400+40.22		400+54.43	RT		5.5	13.3	PARALLEL CURB RAMP
PROJECT TOTAL								475.2	
PROJECT USE								480	

CONSTRUCTION ENGINEERING & LUMP SUM ITEMS

ITEM NO.	DESCRIPTION	UNIT	QTY
201000	CLEARING AND GRUBBING	LS	1
601000	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	1
603281	SWPPP PLAN PREPARATION AND MAINTANCE	LS	1
613000	CLEANING OF CULVERTS AND DRAINAGE STRUCTURES	LS	1
617000	VIBRATION MONITORING	LS	1
617003	VIDEO RECORDING	LS	1
618000	TRAFFIC CONTROL MANAGEMENT	LS	1
621000	MOBILIZATION	LS	1
702810	TRAFFIC CONTROL DEVICES FOR CONSTRUCTION	LS	1
801000	CONSTRUCTION STAKING BY CONTRACTOR	LS	1
802000	POST CONSTRUCTION PLANS	LS	1
901000	CONTRACTOR PROCESS QUALITY CONTROL	LS	1

REVISION DESCRIPTION	
NO.	
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DESIGNED BY:	LAC
DRAWN BY:	LAC
APPROVED BY:	LAC
DATE:	5/30/2024
SCALE:	1" = 20'

BATHTUB ROW
RECONSTRUCTION
MISCELLANEOUS
QUANTITIES



INCORPORATED COUNTY
OF LOS ALAMOS
PUBLIC WORKS DEPARTMENT
1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109

KAREN L. HENDERSON
NEW MEXICO
17686
Karen J. Henderson
PROFESSIONAL ENGINEER
30 May 2024

Drawing File: U:\PROJECTS\2023-2100_BATHTUB_ROW\PEACH-NECTAR\02_CAD_DESIGN\PLANS\02_SERIES\BATHTUB_ROW\MISC.DWG

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ITEM NO. 609424 CONCRETE VERTICAL CURB & GUTTER TYPE B 6" X 24"

STREET	STATION	TO	STATION	LT/RT	LIN. FT.
BATHTUB ROW	104+39.27		104+46.55	LT	10.50
BATHTUB ROW	104+46.55		104+50.44	LT	3.89
BATHTUB ROW	104+59.44		104+68.14	LT	8.70
BATHTUB ROW	104+83.61		105+31.97	LT	48.36
BATHTUB ROW	105+82.44		105+92.96	LT	10.52
BATHTUB ROW	106+41.30		107+07.32	LT	66.02
BATHTUB ROW	107+28.36		107+40.81	LT	12.45
BATHTUB ROW	102+39.84		102+65.68	RT	30.84
BATHTUB ROW	103+09.50		103+33.77	RT	24.27
BATHTUB ROW	103+46.93		103+75.74	RT	80.00
BATHTUB ROW	103+75.74		104+20.11	RT	44.37
BATHTUB ROW	103+93.37		104+10.83	RT	17.46
BATHTUB ROW	104+20.11		104+23.95	RT	6.50
BATHTUB ROW	104+42.13		104+45.23	RT	8.60
BATHTUB ROW	104+62.00		104+78.14	RT	16.14
BATHTUB ROW	104+99.22		107+07.37	RT	208.15
BATHTUB ROW	108+30.37		108+74.26	RT	43.89
BATHTUB ROW	109+08.75		109+99.35	RT	90.60
BATHTUB ROW	110+43.88		110+83.20	RT	39.32
BATHTUB ROW	111+20.11		111+67.33	RT	47.22
BATHTUB ROW	112+10.81		112+23.03	RT	12.22
OPPENHEIMER DR	204+52.31		204+88.29	LT	35.98
OPPENHEIMER DR	204+10.05		204+75.63	RT	65.58
PEACH/NECTAR ST	302+04.73		303+84.26	LT	179.53
PEACH/NECTAR ST	304+47.16		305+00.00	LT	52.84
PEACH/NECTAR ST	304+96.92		305+20.46	LT	23.54
PEACH/NECTAR ST	305+16.13		305+20.46	LT	9.30
PEACH/NECTAR ST	305+18.95		305+80.00	LT	101.50
PEACH/NECTAR ST	305+63.13		308+36.79	LT	273.66
PEACH/NECTAR ST	308+98.17		310+41.62	LT	143.45
PEACH/NECTAR ST	310+86.91		312+16.66	LT	129.75
PEACH/NECTAR ST	301+26.09		301+68.54	RT	42.45
PEACH/NECTAR ST	301+96.02		301+94.17	RT	17.10
PEACH/NECTAR ST	302+18.64		302+34.02	RT	28.60
PEACH/NECTAR ST	302+68.02		303+88.13	RT	120.11
PEACH/NECTAR ST	303+98.74		304+56.75	RT	58.01
PEACH/NECTAR ST	305+13.27		306+89.50	RT	156.23
PEACH/NECTAR ST	307+17.61		307+41.34	RT	23.73
PEACH/NECTAR ST	308+10.50		309+19.45	RT	108.95
PEACH/NECTAR ST	310+75.64		310+95.64	RT	20.00
JUNIPER ST	400+20.76		400+42.33	RT	21.57
JUNIPER ST	400+56.42		400+80.00	RT	23.58
PROJECT TOTAL					2454.98
PROJECT USE					2460

ITEM NO. 608110 CONCRETE FILLET

STREET	STATION	TO	STATION	LT/RT	LENGTH	WDTH	AREA (SQ. YD.)	REMARKS
BATHTUB ROW	104+36.64		104+46.54	LT	9.90	9.3	5.1	
PEACH/NECTAR ST	308+36.75		308+58.74	LT	21.99	14.8	18.1	LITTLE THEATRE
PEACH/NECTAR ST	308+77.85		308+98.17	LT	20.32	16.75	18.9	LITTLE THEATRE
PEACH/NECTAR ST	310+48.62		310+55.88	LT	7.26	7	2.8	
PEACH/NECTAR ST	310+68.79		310+76.87	LT	8.08	7	3.1	
PEACH/NECTAR ST	301+81.53		302+10.70	RT	29.17	29	47.0	INTERSECTION BATHTUB ROW
PEACH/NECTAR ST	302+34.18		302+60.74	RT	26.56	29	42.8	INTERSECTION BATHTUB ROW
PEACH/NECTAR ST	309+26.07		309+35.00	RT	8.93	7.5	3.7	
PEACH/NECTAR ST	309+65.20		309+75.68	RT	10.48	7.5	4.4	
PROJECT TOTAL							145.9	
PROJECT USE							150	

ITEM NO. 609706 CONCRETE LAYDOWN CURB 6"

STREET	STATION	TO	STATION	OFFSET	LIN. FT.	REMARKS
BATHTUB ROW	104+50.44		104+59.44	LT	9	CR-4
BATHTUB ROW	105+31.97		105+49.26	LT	26	CR-6
BATHTUB ROW	105+69.51		105+82.44	LT	21	CR-7
BATHTUB ROW	105+92.96		106+09.94	LT	26	CR-8
BATHTUB ROW	106+31.38		106+41.30	LT	19	CR-9
BATHTUB ROW	107+07.30		107+28.36	LT	17	CR-12
BATHTUB ROW	102+65.58		102+66.93	RT	12.5	CR-1
BATHTUB ROW	102+93.36		103+09.51	RT	23	CR-2
BATHTUB ROW	103+21.00		103+39.44	RT	46	CR-3
BATHTUB ROW	104+45.23		104+62.00	RT	16.77	CR-5
BATHTUB ROW	104+78.14		104+99.22	RT	21.08	DRMEWAY
BATHTUB ROW	107+07.38		107+21.46	RT	14.08	CR-10
BATHTUB ROW	109+99.35		110+21.56	RT	22.21	DRMEWAY
BATHTUB ROW	110+83.20		111+20.11	RT	36.91	DRMEWAY
BATHTUB ROW	111+67.33		112+10.81	RT	43.48	DRMEWAY
OPPENHEIMER DR	204+00.31		204+10.05	RT	9.74	CR-31
PEACH/NECTAR ST	301+70.54		302+04.73	LT	34.19	DRMEWAY
PEACH/NECTAR ST	305+00.00		305+16.13	LT	18	CR-17
PEACH/NECTAR ST	305+44.51		305+63.13	LT	25	CR-18
PEACH/NECTAR ST	305+44.51		305+60.00	LT	37	CR-30
PEACH/NECTAR ST	308+36.79		308+56.53	LT	26	CR-23
PEACH/NECTAR ST	308+79.73		308+98.17	LT	26	CR-24
PEACH/NECTAR ST	310+41.62		310+53.80	LT	15	CR-27
PEACH/NECTAR ST	310+69.57		310+86.91	LT	25	CR-28
PEACH/NECTAR ST	301+68.54		301+96.49	RT	33	CR-13
PEACH/NECTAR ST	302+34.02		302+68.02	RT	36.5	CR-14
PEACH/NECTAR ST	304+56.75		304+71.23	RT	21.5	CR-15
PEACH/NECTAR ST	305+02.95		305+13.27	RT	15	CR-16
PEACH/NECTAR ST	306+69.50		306+83.47	RT	17	CR-19
PEACH/NECTAR ST	307+06.13		307+17.61	RT	15	CR-20
PEACH/NECTAR ST	307+41.34		307+57.07	RT	18	CR-21
PEACH/NECTAR ST	307+84.70		308+10.50	RT	27.5	CR-22
PEACH/NECTAR ST	309+19.45		309+32.88	RT	17	CR-25
PEACH/NECTAR ST	309+67.32		309+82.68	RT	18	CR-26
JUNIPER ST	400+42.33		400+56.42	RT	14.1	CR-11
PROJECT TOTAL					802.5	
PROJECT USE					810	

NO.	REVISION DESCRIPTION
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DESIGNED BY:	LAC
DRAWN BY:	LAC
APPROVED BY:	LAC
DATE:	5/30/2024
SCALE:	1" = 20'

**BATHTUB ROW
RECONSTRUCTION
MISCELLANEOUS
QUANTITIES**



INCORPORATED COUNTY OF LOS ALAMOS
PUBLIC WORKS DEPARTMENT
1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109

KAREN L. HENDERSON
NEW MEXICO
17686
Karen L. Henderson
PROFESSIONAL ENGINEER
30 May 2024

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EARTHWORK SUMMARY

STATION	TO	STATION	LENGTH FT.	203000	203211	203100	REMARKS
				UNCLASSIFIED EXCAVATION CU. YD.	UNSTABLE SUBGRADE STABILIZATION SY	BORROW CU. YD.	
BATHTUB ROW							
102+39.82		112+74.47	1034.65	460.50	2644.11		AS DIRECTED BY PROJECT MANAGER
OPPENHEIMER DR							
203+74.75		204+87.50	112.75	44.17			AS DIRECTED BY PROJECT MANAGER
PEACH/NECTAR ST							
301+70.54		312+40.15	1069.61	696.83		114.07	AS DIRECTED BY PROJECT MANAGER
JUNIPER ST							
400+13.68		401+27.42	113.74	71.67		20.11	AS DIRECTED BY PROJECT MANAGER
PROJECT TOTAL				1273.17	2644.11	134.19	
PROJECT USE				1280	2650	140	

**BID ALTERNATE - 1 PARKING LOTS
EARTHWORK SUMMARY**

STATION	TO	STATION	LENGTH FT.	203000	203211	203100	REMARKS
				UNCLASSIFIED EXCAVATION CU. YD.	UNSTABLE SUBGRADE STABILIZATION SY	BORROW CU. YD.	
PARKING LOT # 1							
102+39.82		112+74.47		45.87	137.61		AS DIRECTED BY PROJECT MANAGER
PARKING LOT # 2							
203+74.75		204+87.50		79.42	238.15		AS DIRECTED BY PROJECT MANAGER
PROJECT TOTAL				125.29	375.76	0.00	
PROJECT USE				130	380	0	

**ITEM NO. 613000 CLEANING OF CULVERTS
AND DRAINAGE STRUCTURES**

STREET	LT/RT
BATHTUB ROW	LT
BATHTUB ROW AT FULLER LODGE	RT
OPPENHEIMER DR AT PARKING LOT	LT
OPPENHEIMER DR NEAR LIBRARY	LT
SENIOR CENTER PARKING LOT	LT
15TH ST	LT
15TH ST	RT
ROSE ST	LT/RT
SPRUCE ST	LT
LUMP SUM	1

ITEM NO. 663855 ADJUST VALVE BOX TO GRADE

STREET	STATION	LT/RT	EACH	REMARKS
PEACH/NECTAR ST	304+60.00	RT	1	GAS
PROJECT TOTAL				1
PROJECT USE				1

ITEM NO. 609636 CONCRETE VALLEY GUTTER 6"X36"

STREET	STATION	TO	STATION	LT/RT	LIN. FT.
PEACH/NECTAR ST	308+58.74		308+77.85	LT	19.11
PEACH/NECTAR ST	310+55.88		310+68.79	LT	12.91
PROJECT TOTAL					32.02
PROJECT USE					40

ITEM NO. 609651 CONCRETE VALLEY GUTTER 6"X84"

STREET	STATION	TO	STATION	LT/RT	LIN. FT.
PEACH/NECTAR ST	309+34.99		309+65.20	RT	30.21
PROJECT TOTAL					30.21
PROJECT USE					40

ITEM NO. 609652 CONCRETE VALLEY GUTTER 6"X96"

STREET	STATION	TO	STATION	LT/RT	LIN. FT.
PEACH/NECTAR ST	302+10.70		302+34.18	LT	23.48
PROJECT TOTAL					23.48
PROJECT USE					30

ITEM NO. 609200 12" HEADER CURB

STREET	STATION	TO	STATION	LT/RT	LENGTH
PEACH / NECTAR ST	308+10.50		309+19.38	RT	108.88
PROJECT TOTAL					108.88
PROJECT USE					110


 Karen L. Henderson
 17686
 PROFESSIONAL ENGINEER
Karen L. Henderson
 30 May 2024

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DESIGNED BY: LAC
 DRAWN BY: LAC
 APPROVED BY: LAC
 DATE: 5/30/2024
 SCALE: 1" = 20'

**BATHTUB ROW
RECONSTRUCTION**
 MISCELLANEOUS
QUANTITIES



INCORPORATED COUNTY
OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
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**BID ALTERNATE - 2 LITTLE THEATRE
ITEM NO. 608004 CONCRETE SIDEWALK 4"**

STREET	STATION	TO	STATION	LT/RT	LENGTH	WIDTH	AREA (SQ. YD.)	REMARKS
PEACH/NECTAR ST	308+79.71		308+97.31	LT	35.50	5	19.7	LITTLE THEATRE
PEACH/NECTAR ST	308+97.45		309+02.47	LT	82.50	5	45.8	LITTLE THEATRE
PEACH/NECTAR ST	308+95.79		309+00.79	LT	52.00	5	28.9	LITTLE THEATRE
PEACH/NECTAR ST	308+97.31		309+41.67	LT	44.36	5	24.6	LITTLE THEATRE
PEACH/NECTAR ST	309+41.67		309+69.47	LT	27.80	13	40.2	LITTLE THEATRE
PEACH/NECTAR ST	309+47.75		309+56.75	LT	20.50	8	18.2	LITTLE THEATRE
PEACH/NECTAR ST	309+51.86		309+62.07	LT	16.50	8	14.7	LITTLE THEATRE
PEACH/NECTAR ST	309+01.11		309+17.09	LT	15.00	7	23.3	LITTLE THEATRE RAMP
PEACH/NECTAR ST	309+69.47		310+19.79	LT	51.50	5	28.6	LITTLE THEATRE
PEACH/NECTAR ST	309+97.66		310+05.43	LT	19.00	7.5	15.8	LITTLE THEATRE
PEACH/NECTAR ST	310+05.43		310+17.68	LT	13.00	3	4.3	LITTLE THEATRE
PEACH/NECTAR ST	310+17.68		310+26.62	LT	58.00	10	64.4	LITTLE THEATRE
PROJECT TOTAL							328.7	
PROJECT USE							340	

ITEM NO. 609424 CONCRETE VERTICAL CURB & GUTTER TYPE B 6" X 24"

STREET	STATION	TO	STATION	LT/RT	LIN. FT.	REMARKS
PEACH/NECTAR ST	308+77.77		308+97.45	LT	35.50	LITTLE THEATRE SIDE
PEACH/NECTAR ST	308+95.79		308+99.59	LT	56.00	LITTLE THEATRE SIDE
PROJECT TOTAL					91.50	
PROJECT USE					100	

**BID ALTERNATE - 2 LITTLE THEATRE
ITEM NO. 609706 CONCRETE LAYDOWN CURB 6"**

STREET	STATION	TO	STATION	OFFSET	LIN. FT.	REMARKS
PEACH/NECTAR ST	308+94.28		308+96.28	LT	21	CR-29
PROJECT TOTAL					21.0	
PROJECT USE					30	

**BID ALTERNATE - 2 LITTLE THEATRE
ITEM NO. 608009 ADA CURB RAMP**

CR-#	STREET	STATION	TO	STATION	LT/RT	LENGTH	WIDTH	AREA (SQ. YD.)	REMARKS
CR-29	PEACH/NECTAR ST	308+96.28		309+17.09	LT	21.00	5	11.7	PARALLEL CURB RAMP (LITTLE THEATRE)
PROJECT TOTAL								11.7	
PROJECT USE								20	

**BID ALTERNATE - 2 LITTLE THEATRE
ITEM NO. 601000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

STATION	TO	STATION	LT/RT	QUANTITY	REMARKS
PEACH/NECTAR ST					
308+79.71		308+97.31	LT	19.7	S.Y. EXISTING CONCRETE SIDEWALK
308+97.45		309+02.47	LT	45.8	S.Y. EXISTING CONCRETE SIDEWALK
308+95.79		309+00.79	LT	28.9	S.Y. EXISTING CONCRETE SIDEWALK
308+97.31		309+41.67	LT	24.6	S.Y. EXISTING CONCRETE SIDEWALK
309+41.67		309+69.47	LT	40.2	S.Y. EXISTING CONCRETE SIDEWALK
309+47.75		309+56.75	LT	18.2	S.Y. EXISTING CONCRETE SIDEWALK
309+51.86		309+62.07	LT	14.7	S.Y. EXISTING CONCRETE SIDEWALK
309+01.11		309+17.09	LT	23.3	S.Y. EXISTING CONCRETE SIDEWALK
309+69.47		310+19.79	LT	28.6	S.Y. EXISTING CONCRETE SIDEWALK
309+97.66		310+05.43	LT	15.8	S.Y. EXISTING CONCRETE SIDEWALK
310+05.43		310+17.68	LT	4.3	S.Y. EXISTING CONCRETE SIDEWALK
310+17.68		310+26.62	LT	64.4	S.Y. EXISTING CONCRETE SIDEWALK
308+77.77		308+99.59	RT	113.00	LIN. FT. EXISTING CURB AND GUTTER
SUMMARY					
TOTAL PROJECT:					
328.69 S.Y. REMOVE EXISTING SIDEWALK					
113.00 LIN. FT. REMOVE EXISTING CURB & GUTTER					

**BID ALTERNATE - 2 LITTLE THEATRE
ITEM NO. 607079 PEDESTRIAN/BICYCLE RAILING**

STREET	STATION	TO	STATION	LT/RT	LENGTH (L.F.)
PEACH/NECTAR ST	309+01.11		309+17.09	LT	15.00
PEACH/NECTAR ST	309+01.11		309+17.09	RT	15.00
PROJECT TOTAL					30.00
PROJECT USE					30

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DESIGNED BY: LAC
 DRAWN BY: LAC
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 DATE: 5/30/2024
 SCALE: 1" = 20'

**BATHTUB ROW
RECONSTRUCTION**
 BID ALTERNATE - 2 LITTLE THEATRE
 MISCELLANEOUS QUANTITIES

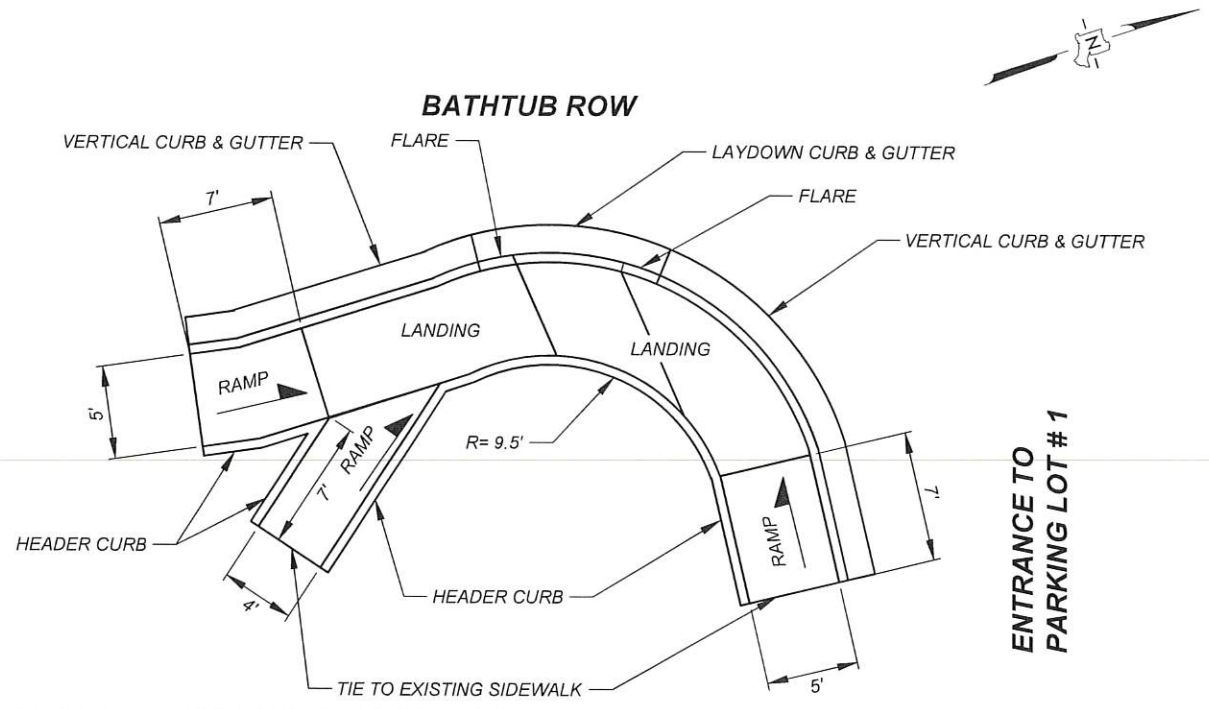


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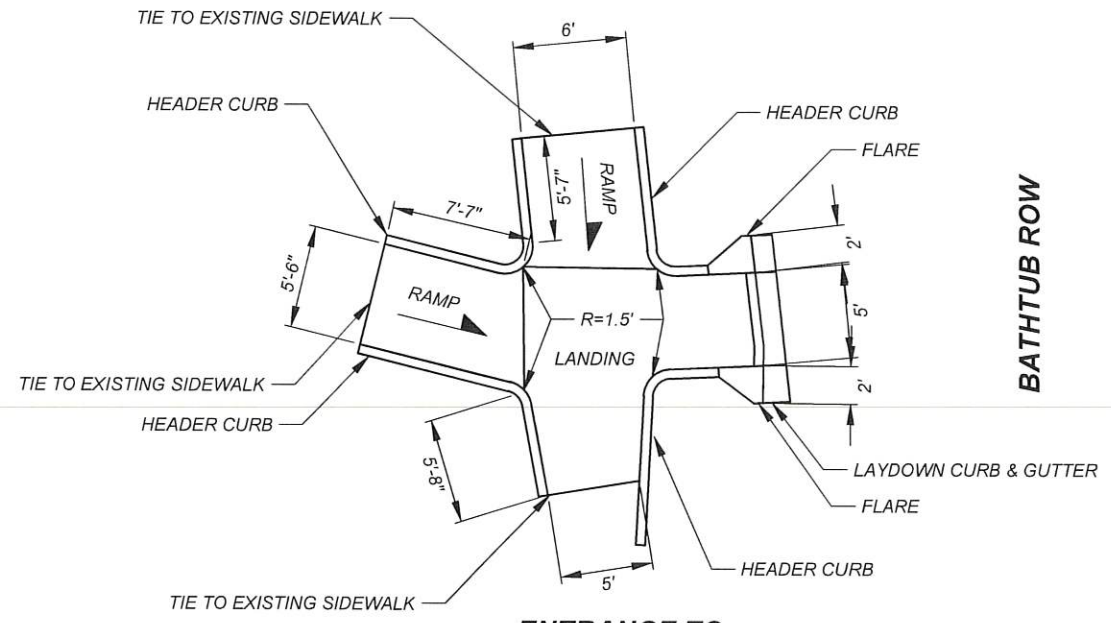


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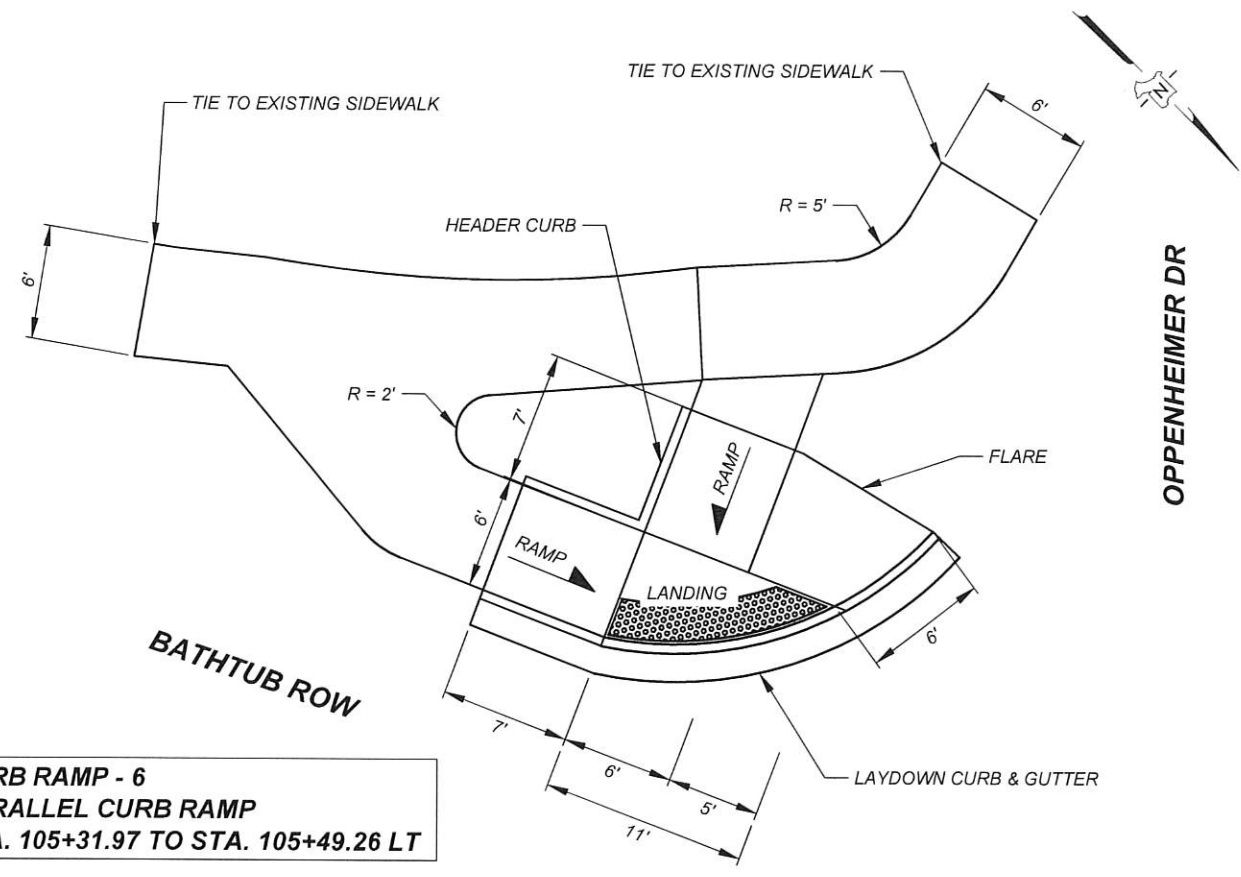
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CURB RAMP - 3
SINGLE DIAGONAL PARALLEL CURB RAMP
STA. 103+21.00 TO STA. 103+39.44 RT



CURB RAMP - 4
PERPENDICULAR CURB RAMP
STA. 104+47.02 TO STA. 104+65.83 LT



CURB RAMP - 6
PARALLEL CURB RAMP
STA. 105+31.97 TO STA. 105+49.26 LT



Karen L. Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

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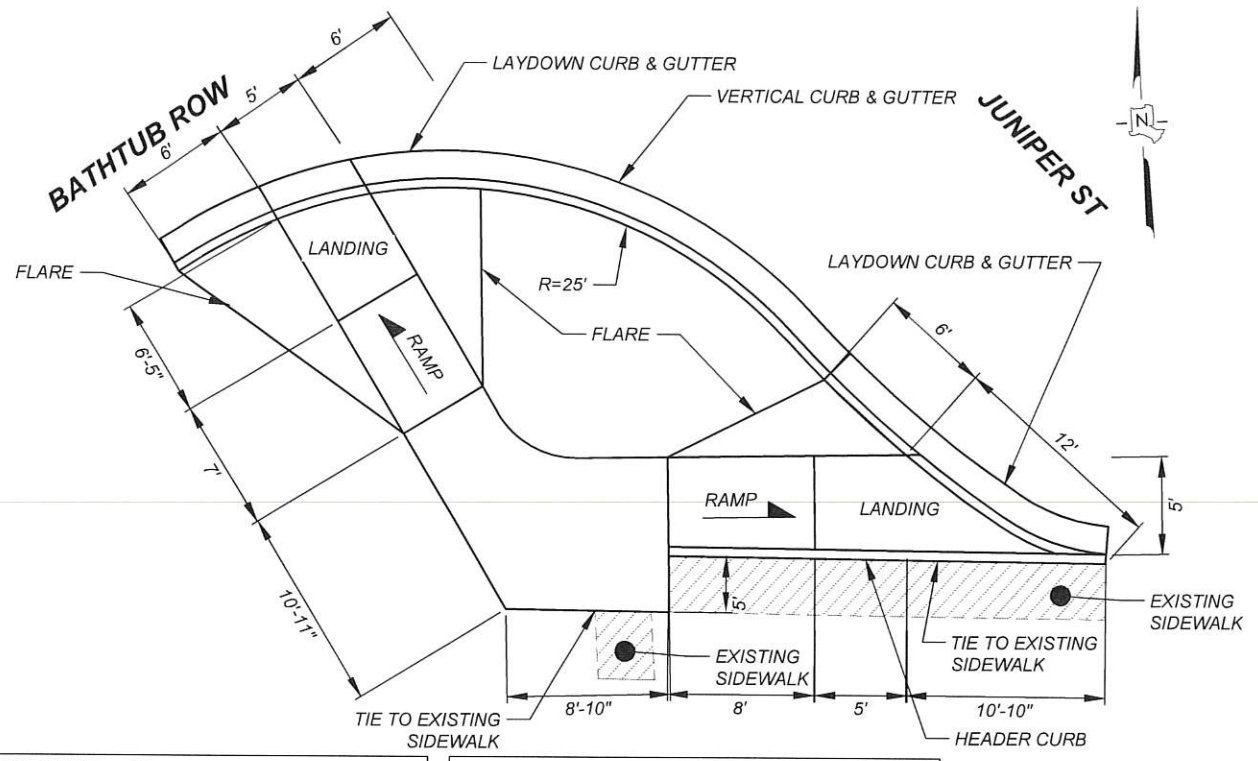
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BATHTUB ROW
RECONSTRUCTION
CURB RAMP DETAIL



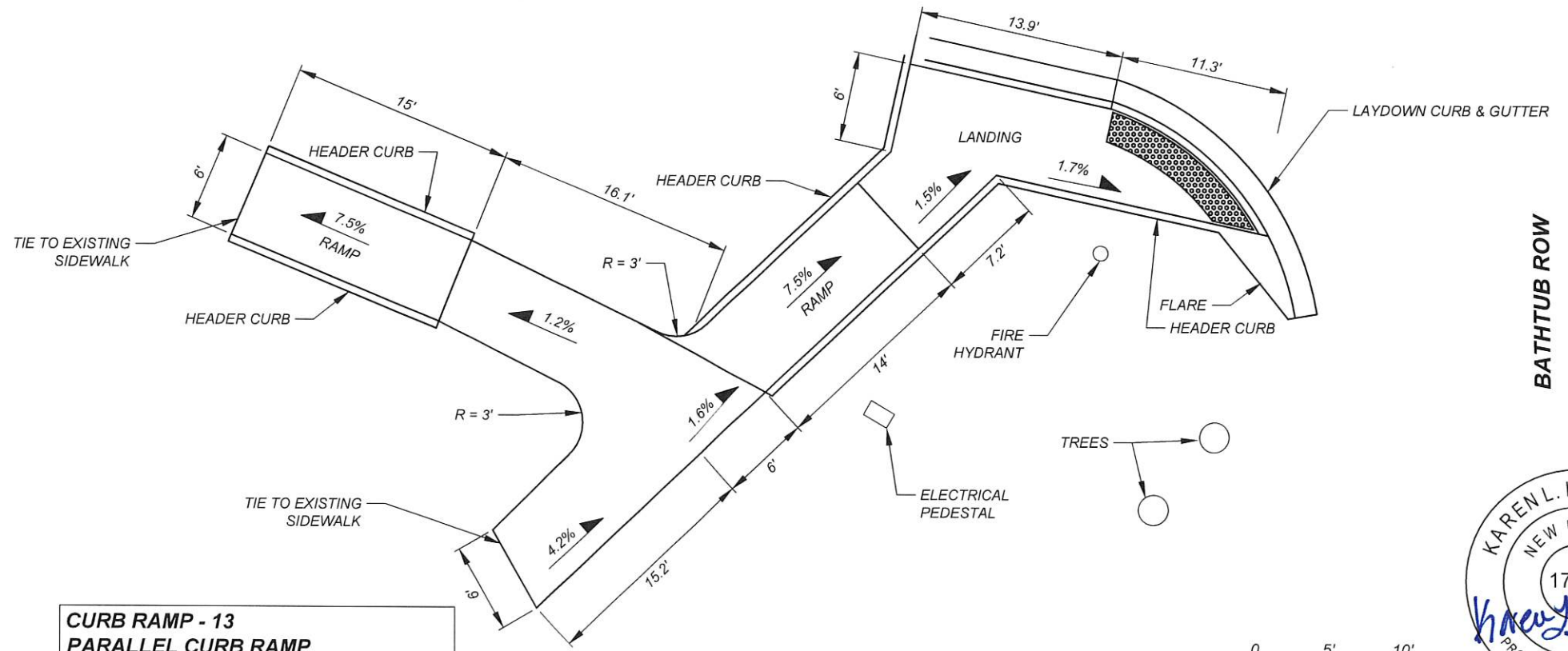
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SHEET
2-8



CURB RAMP - 10
PERPENDICULAR CURB RAMP
STA. 107+07.38 TO STA. 107+21.46 RT

CURB RAMP - 11
PARALLEL CURB RAMP
STA. 400+40.22 TO STA. 400+54.43 RT



CURB RAMP - 13
PARALLEL CURB RAMP
STA. 301+68.54 TO STA. 301+96.02 RT

KAREN L. HENDERSON
 NEW MEXICO
 17686
Karen L. Henderson
 PROFESSIONAL ENGINEER
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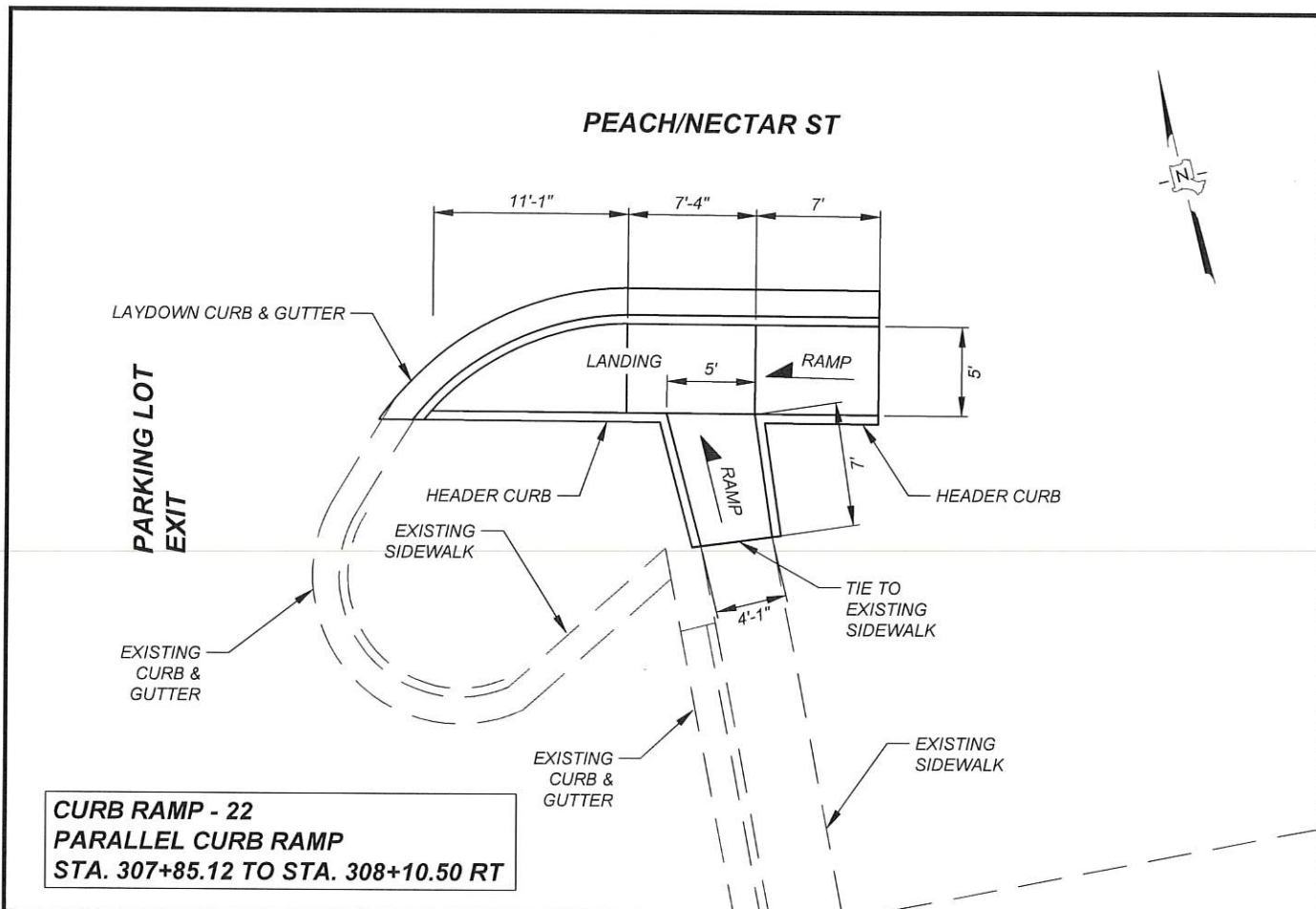
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BATH TUB ROW
RECONSTRUCTION
CURB RAMP DETAIL

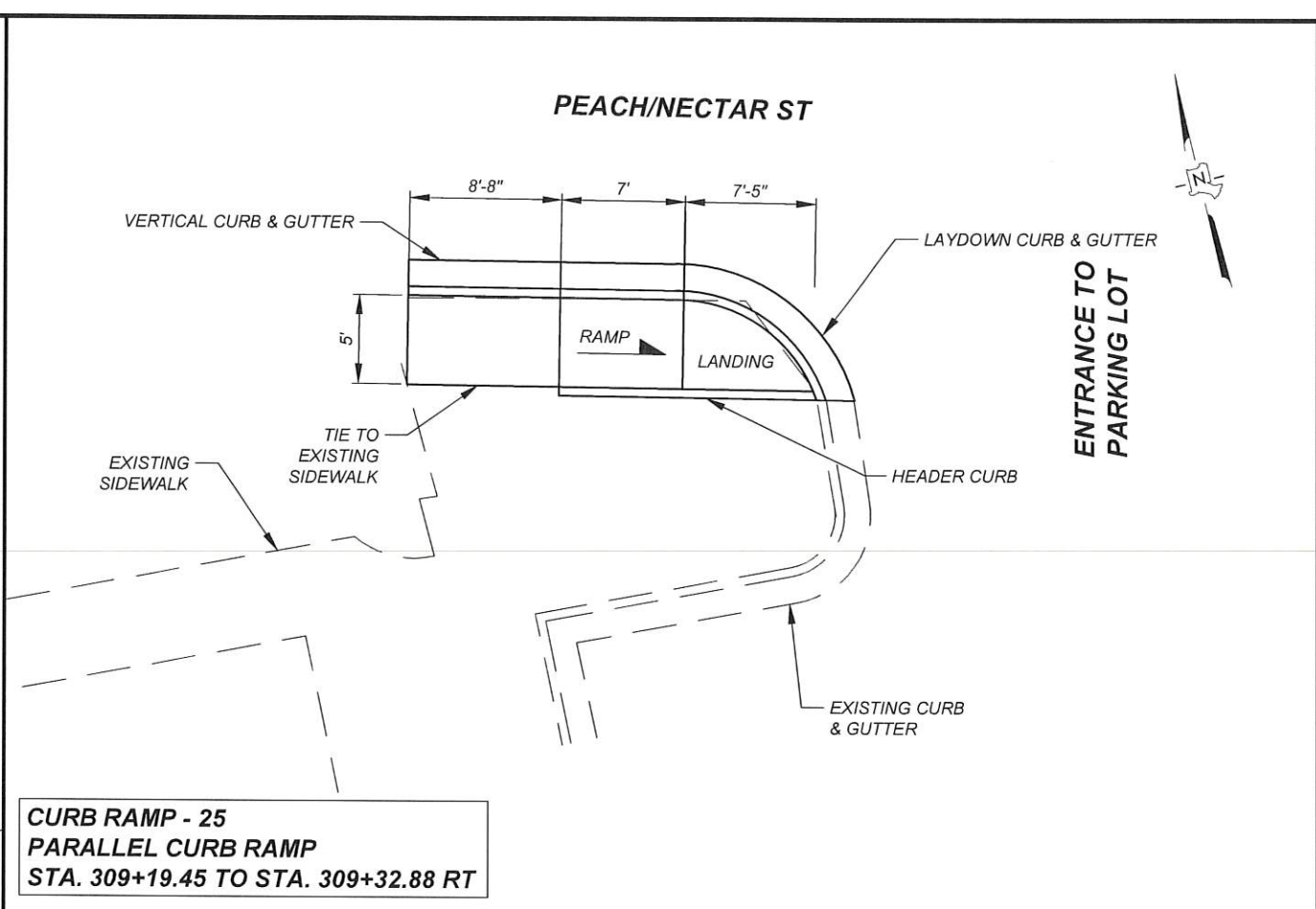


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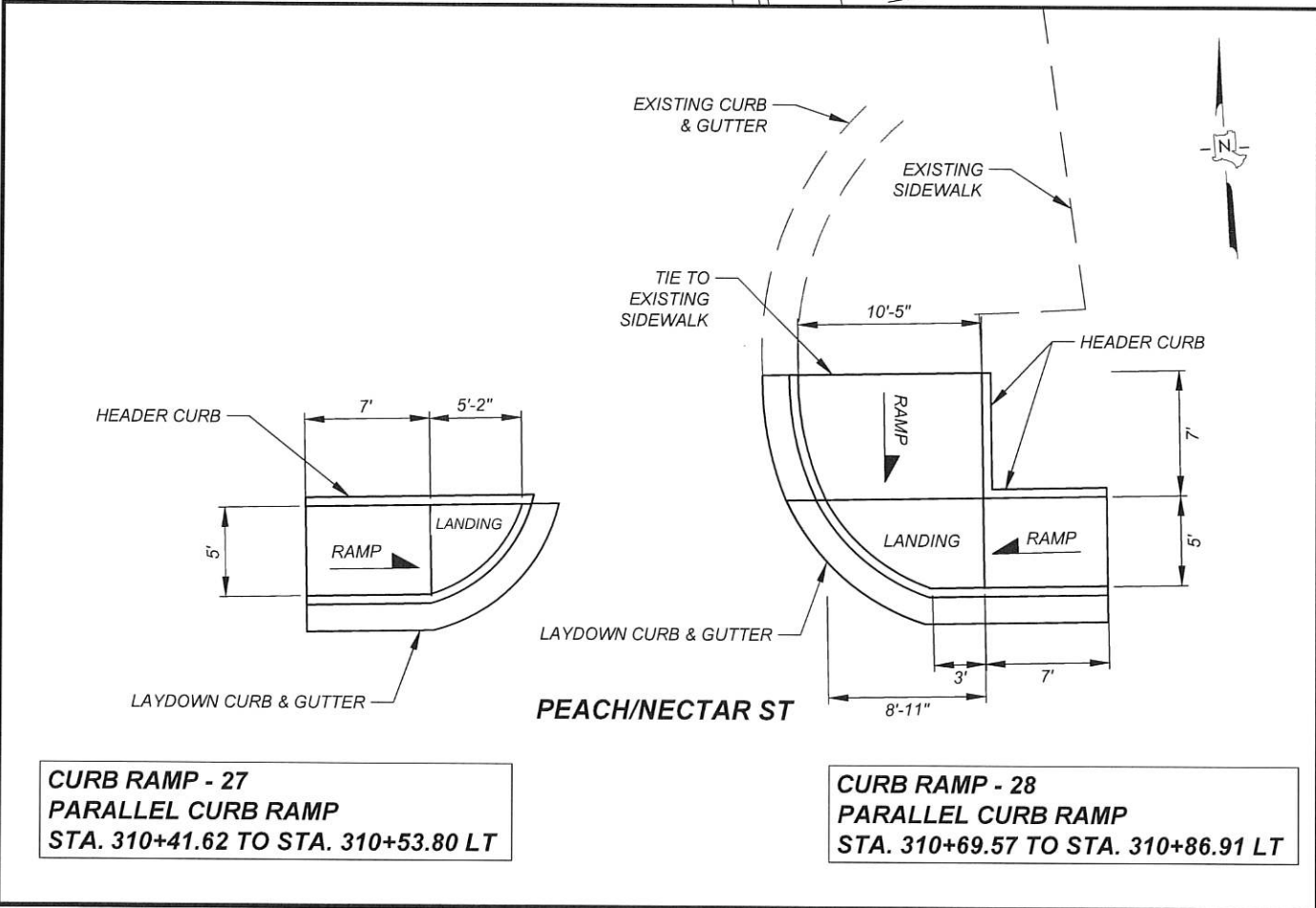
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CURB RAMP - 22
PARALLEL CURB RAMP
STA. 307+85.12 TO STA. 308+10.50 RT

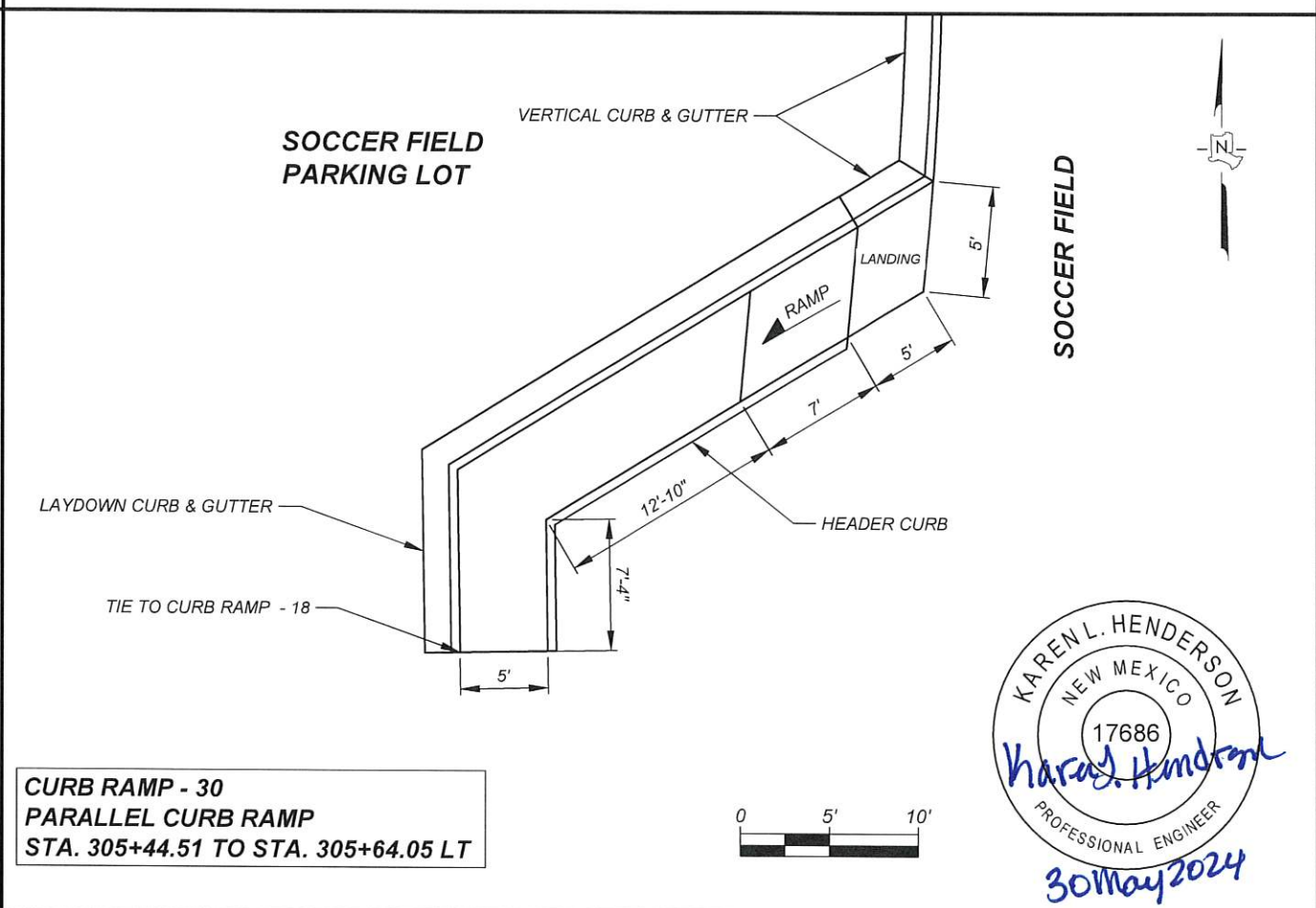


CURB RAMP - 25
PARALLEL CURB RAMP
STA. 309+19.45 TO STA. 309+32.88 RT



CURB RAMP - 27
PARALLEL CURB RAMP
STA. 310+41.62 TO STA. 310+53.80 LT

CURB RAMP - 28
PARALLEL CURB RAMP
STA. 310+69.57 TO STA. 310+86.91 LT



CURB RAMP - 30
PARALLEL CURB RAMP
STA. 305+44.51 TO STA. 305+64.05 LT

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BATHTUB ROW
RECONSTRUCTION
CURB RAMP DETAIL

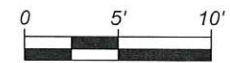
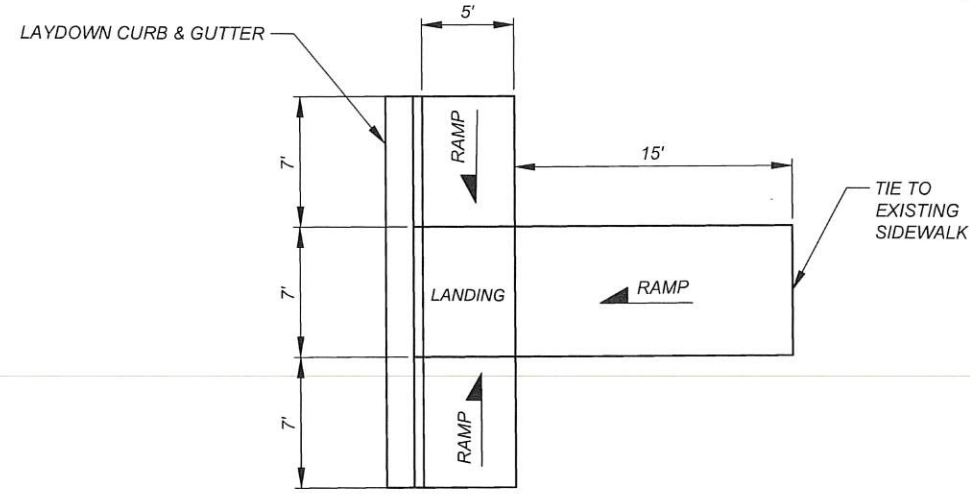


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CURB RAMP - 29
PARALLEL CURB RAMP
STA. 308+96.28 TO STA. 309+17.09 LT

**LITTLE THEATRE
PARKING LOT**



30 May 2024

INCORPORATED COUNTY
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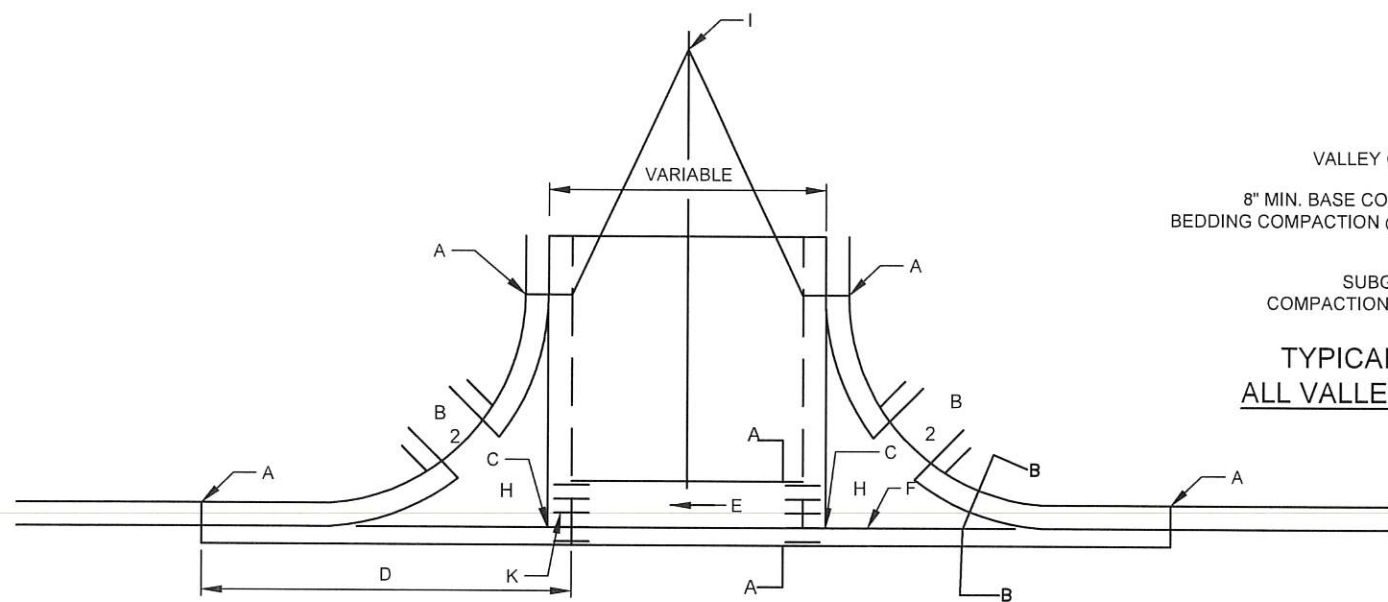
**BATHTUB ROW
RECONSTRUCTION**
BID ALTERNATE - 2 LITTLE THEATRE
CURB RAMP DETAIL

DESIGNED BY: LAC
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APPROVED BY: LAC
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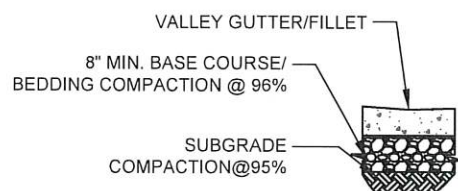
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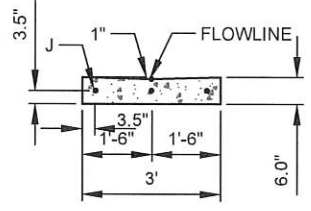
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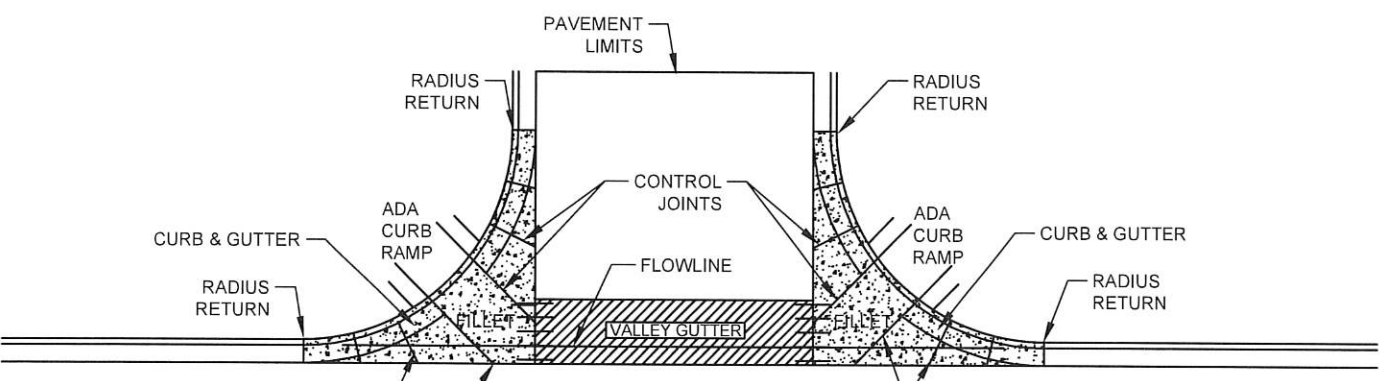
VALLEY GUTTER PLAN
NTS



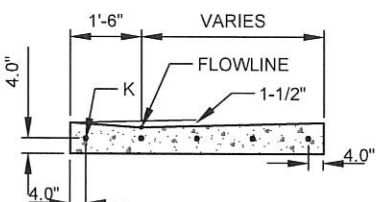
TYPICAL SURFACING REQUIRED FOR ALL VALLEY GUTTER & FILLET PLACEMENT
NTS



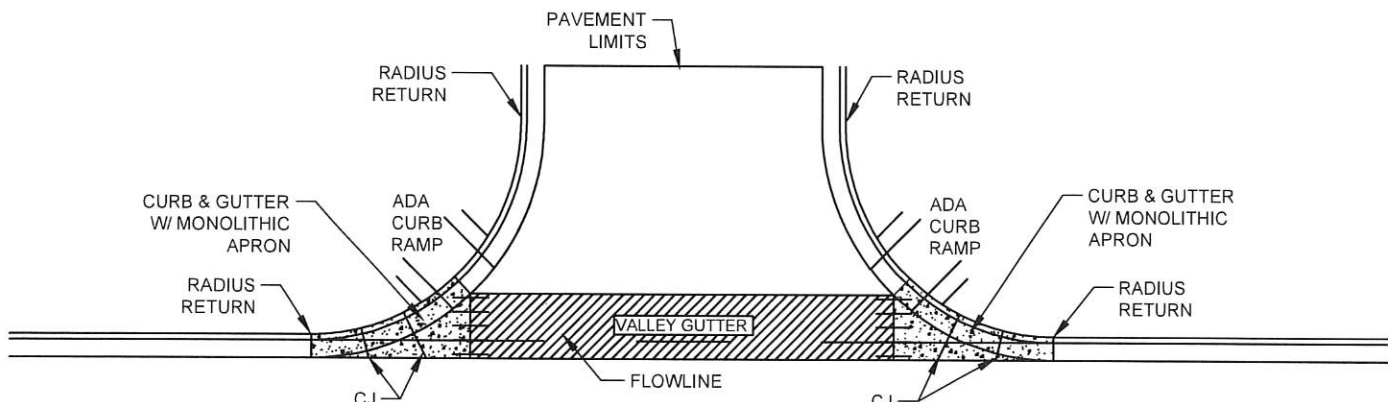
SECTION A-A
TYPICAL A-1 NTS



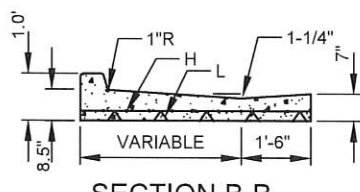
VALLEY GUTTER & FILLET TYPICAL A-2
NTS



SECTION A-A
TYPICAL A-2 NTS



VALLEY GUTTER TYPICAL A-1
NTS



SECTION B-B
NTS

GENERAL NOTES

1. ON UPSTREAM AND DOWNSTREAM ENDS OF THE INTERSECTION, VALLEY GUTTER CONSTRUCTION SHALL EXTEND TO THE END OF RETURNS.
2. INVERT OF VALLEY GUTTER TO EXTEND FROM FLOW LINE OF UPSTREAM CURB RETURN TO FLOW LINE OF DOWNSTREAM CURB RETURN.
3. CURB FLOW LINE AND TOP OF CURB ELEV. SHOWN IN THE BOX CORRESPOND TO QUARTER POINTS INDICATED ON THE CURB RETURN IN THE CLOCKWISE DIRECTION.
4. - - - DENOTES 1/2" EXPANSION JOINT.
5. FOR NEW CONSTRUCTION, VALLEY GUTTER SHALL BE CONSTRUCTED PRIOR TO NEW ADJACENT PAVEMENT. ASPHALT CONC. SHALL BE INSTALLED MONOLITHICALLY TO MEET NEW VALLEY GUTTER.
6. PRIOR TO CONSTRUCTION OF NEW VALLEY GUTTER ON EXISTING ACCEPTED STREETS, PAVEMENT SHALL BE REMOVED AS SHOWN ON PLANS.
7. CURB AND GUTTER, FILLETS, AND VALLEY GUTTER WILL BE POURED WITH FIBER 4,000 P.S.I. AT 28 DAYS CONCRETE.
8. FILLETS WILL BE PAID BY THE SY AND WILL BE POURED MONOLITHICALLY WITH THE CURB AND GUTTER.
9. CURB AND GUTTER WILL BE PAID BY THE LF ALONG FILLETS AND CURB RAMPS.
10. ALL VALLEY GUTTERS PLACED WITHOUT FILLETS WILL BE POURED MONOLITHICALLY WITH CURB & GUTTER. CURB AND GUTTER WILL BE PAID BY LINER FOOT AND VALLEY GUTTER WILL BE PAID BY SY.
11. ALL VALLEY GUTTER AND FILLETS SHALL HAVE WHICHEVER IS GREATER, A MINIMUM 8" OF BASE COURSE OR THE EQUIVALENT BASE COURSE DEPTH DESCRIBED IN THE ASPHALT SECTION.
12. VALLEY GUTTER IS IDENTIFIED ON DRAWING AND WILL BE PAID FOR AS ITEM 609624, SY.
13. FILLETS ARE IDENTIFIED ON DRAWING AND WILL BE PAID FOR AS ITEM 608206, SY.
14. FILLETS ARE TO BE MEASURED FROM RADIUS RETURN TO RADIUS RETURN.
15. CURB TO BE INSTALLED IN FILLET MONOLITHICALLY AND WILL BE PAID FOR IN LF OF 6"x24" TYPE "B" CURB AND GUTTER. MEASUREMENT OF THE FILLET WILL NOT THEN INCLUDE THE 24" FROM BACK OF CURB.
16. CURB TO BE INSTALLED IN VALLEY GUTTER MONOLITHICALLY AND WILL BE PAID FOR IN LF OF 6"x24" TYPE "B" CURB AND GUTTER. MEASUREMENT OF THE VALLEY GUTTER WILL NOT THEN INCLUDE THE 24" FROM BACK OF CURB.
17. ALL CURB & GUTTER PLACED ON RADIUS RETURNS WHERE FILLETS ARE IDENTIFIED SHALL BE A SEPARATE PAY ITEM FROM ANY ADA PEDESTRIAN RAMP BUILT.
18. IF NO FILLET IS PLACED ON RADIUS RETURN THEN CURB & GUTTER IS INCIDENTAL TO ADA PEDESTRIAN RAMP.
19. COMPACTION REQUIREMENTS AS PER SECTION 207 OF THE NMDOT STANDARD SPECIFICATIONS FOR BRIDGE AND HIGHWAY DESIGN.
20. ALL ITEMS ARE FINAL UNLESS OTHERWISE APPROVED BY PROJECT MANAGER.
21. CONTROL JOINTS ARE TO BE INSTALL IN 5 FOOT INTERVALS.
22. SUB-GRADE PREP IS INCIDENTAL TO VALLEY GUTTER PLACEMENT.

CONSTRUCTION NOTES

- A. END OF CURB RETURN.
- B. FOR RAMP DETAILS, SEE PAD-SERIES OF NMDOT SERIALS.
- C. INTERSECTION OF FLOW LINES.
- D. SURFACE AND CURB TO BE MONOLITHIC.
- E. DIRECTION OF FLOW.
- F. FLOW LINE.
- G. PROJECTED FLOW LINE OF 1 1/2" INVERT, SEE NOTE 2. THE 1 1/2" INVERT DEPTH MAY BE REDUCED TO IMPROVE RIDEABILITY WITH APPROVAL OF ENGINEER.
- H. 6" X 6" NO 4 GA WIRE MESH.
- I. BEGIN CROWN WARP TO STRAIGHT SECTION WHERE DETAILED ON SHEETS.
- J. NO 4 BARS 3'-0" LONG AT 16" OC. (SEE TYPICAL A-1)
- K. NO 4 BARS 3'-0" LONG AT 14.5" OC. (SEE TYPICAL A-2)
- L. 2.5" STEEL CHAIRS



30 May 2024

NO.	REVISION DESCRIPTION
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DESIGNED BY:	LAC
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APPROVED BY:	LAC
DATE:	5/30/2024
SCALE:	

**BATHTUB ROW
RECONSTRUCTION
VALLEY GUTTER AND
FILLET DETAILS**



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NOTES:

1. THE MOST CURRENT EDITION OF THE NMDOT NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MANUAL AND SECTION 603 - TEMPORARY EROSION AND SEDIMENT CONTROL OF THE 2019 EDITION OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION SHALL BE USED AS A MINIMUM REQUIREMENTS TO DEVELOP OR MODIFY THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP).
2. NOI SHALL BE ISSUED PRIOR TO COMMENCEMENT OF CONSTRUCTION
3. A COPY OF THE COMPLETED NOTICE OF INTENT (NOI) SHALL BE POSTED CONSPICUOUSLY NEAR THE MAIN ENTRANCE OF THE PROJECT SITE, OR AT A PUBLIC ACCESSIBLE LOCATION NEAR THE ACTIVE PART OF THE CONSTRUCTION PROJECT AT ALL TIMES DURING CONSTRUCTION.
4. THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND ALL MAINTENANCE AND INSPECTION REPORTS SHALL BE SIGNED BY AN AUTHORIZED INDIVIDUAL, AS DEFINED BY THE NPDES CONSTRUCTION. THE SWPPP AND THE INSPECTION REPORTS SHALL BE AVAILABLE TO EPA REPRESENTATIVE AT ALL TIME DURING CONSTRUCTION.
5. ALL DRAINAGE INFORMATION NEEDED TO COMPLETE THE NOTICE OF INTENT (NOI) IS PROVIDED IN THIS PLAN.
6. ERODIBLE SURFACE AREA ALL REQUIREMENTS OUTLINED BY EPA, NPDES AND THE NEW MEXICO CLEAN WATER ACT SHALL BE STRICTLY ADHERED TO DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. EXPOSED AREAS OF DISTURBANCE SHALL BE KEPT TO A MINIMUM TO PERFORM PROJECT CONSTRUCTION AND SHALL BE PROTECTED BY TEMPORARY SOIL STABILANT AND ANY OTHER SEDIMENT CONTROL DEVICES REQUIRED UNTIL PERMANENT MEASURES ARE APPLIED.
7. PERMANENT MEASURES PRIOR TO COMMENCING THE SEEDING OPERATION, THE PROJECT MANAGER AND THE CONTRACTOR'S REPRESENTATIVE SHALL REVIEW AREAS TO BE TREATED. THE SEEDING LOCATION SHOWN IN SCHEDULE ARE FOR ESTIMATED PURPOSES ONLY AND THE QUANTITY MAY VARY. THE CONTRACTOR SHALL PREPARE THE AREAS FOR SEEDING IN ACCORDANCE WITH ITEM 632 OF THE 2019 EDITION OF THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR HIGHWAY AND BRIDGE CONSTRUCTION AND LOS ALAMOS COUNTY GUIDELINES.
8. ALL STAGING AREAS AND OFF-SITE PROJECT LOCATIONS ASSOCIATED WITH THE WORK WILL REQUIRE BEST MANAGEMENT PRACTICES (BMPs) SUCH AS SEEDING, EROSION CONTROL, AND SEDIMENT CONTROL MEASURES. ALL BMPs ARE AT THE CONTRACTORS EXPENSE.

603262 COMPOSTED MULCH SOCKS			
LOCATION		UNIT	REMARKS (INLET DESCRIPTION)
STREET NAME	LT/RT	(LIN. FT)	
BATHTUB ROW	LT	10.0	Use as check dam at Rundown locations
BATHTUB ROW AT FULLER LODGE	RT	10.0	Use as check dam at Rundown locations
OPPENHEIMER DR AT PARKING LOT	LT	5.0	Use as check dam at Rundown locations
OPPENHEIMER DR NEAR LIBRARY	LT	10.0	Use as check dam at Rundown locations
SENIOR CENTER PARKING LOT	LT	20.0	Use as check dam at Rundown locations
15TH ST	LT	10.0	Use as check dam at Rundown locations
15TH ST	RT	10.0	Use as check dam at Rundown locations
ROSE ST	LT/RT	20.0	Use as check dam at Rundown locations
SPRUCE ST	LT	10.0	Use as check dam at Rundown locations
Total =		105.0	

Site Description & NOI Inputs	
Nature of Activity	Roadway Construction
General Location and Site Map	Refer to Vicinity Map (See Sheet 1-1)
Disturbed and Undisturbed Area	Refer to Roadway Plan Sheet (Sheet 3-1 to 3-4)
Permanent Erosion Control Measures	Refer to NPDES Plans(See Sheet 2-14 to 2-17)
Latitude	35.8838° N (decimal)
Longitude	-106.3021° W (decimal)
Total Site Area= Disturbed + Undisturbed	2.25 Acres
Disturbed Area	2.25 Acres
Surface waters with in 50ft?	No
Receiving Water	Pueblo Canyon
Impaired Waters	Pueblo Canyon (Los Alamos WWTP to Acid Canyon)
Impaired Waters Method:	2022-2024 State of New Mexico Clean Water Act §303(d)/§305(b) Integrated Report (Approved)
§303(d)/§305(b) Listed imparments;	Polychlorinated Biphenyls (PCBs)
Are waters TMDL Impaired?	No
TMDL Impairments:	N/A
Tier Designation	5/5C
Endangered Species Information (Criterion)	C
Historical Preservation:	No Impacts

Drainage Parameters	
Drainage Patterns	Refer to NPDES Plans(See Sheet 2-14 to 2-17)
Approximate Slopes after Major Grading	Refer to NPDES Plans(See Sheet 2-14 to 2-17)
Rainfall 2-year, 24-hour, inch (mm)	1.70
Rainfall 2-year, 1-hour, inch (mm)	0.868
Intensity, in/hr (mm/hr) for Tc= 10 minutes	2.52
Hydrological Soil Group	C
Curve number (CN), Undisturbed Area	81
Curve number (CN), Disturbed Area	69
Runoff Coefficient, Prior to Construction	0.50
Runoff Coefficient, During Construction	0.50
Runoff Coefficient, After Construction	0.50

NO.	REVISION DESCRIPTION
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**BATHTUB ROW
 RECONSTRUCTION
 NPDES PLAN**

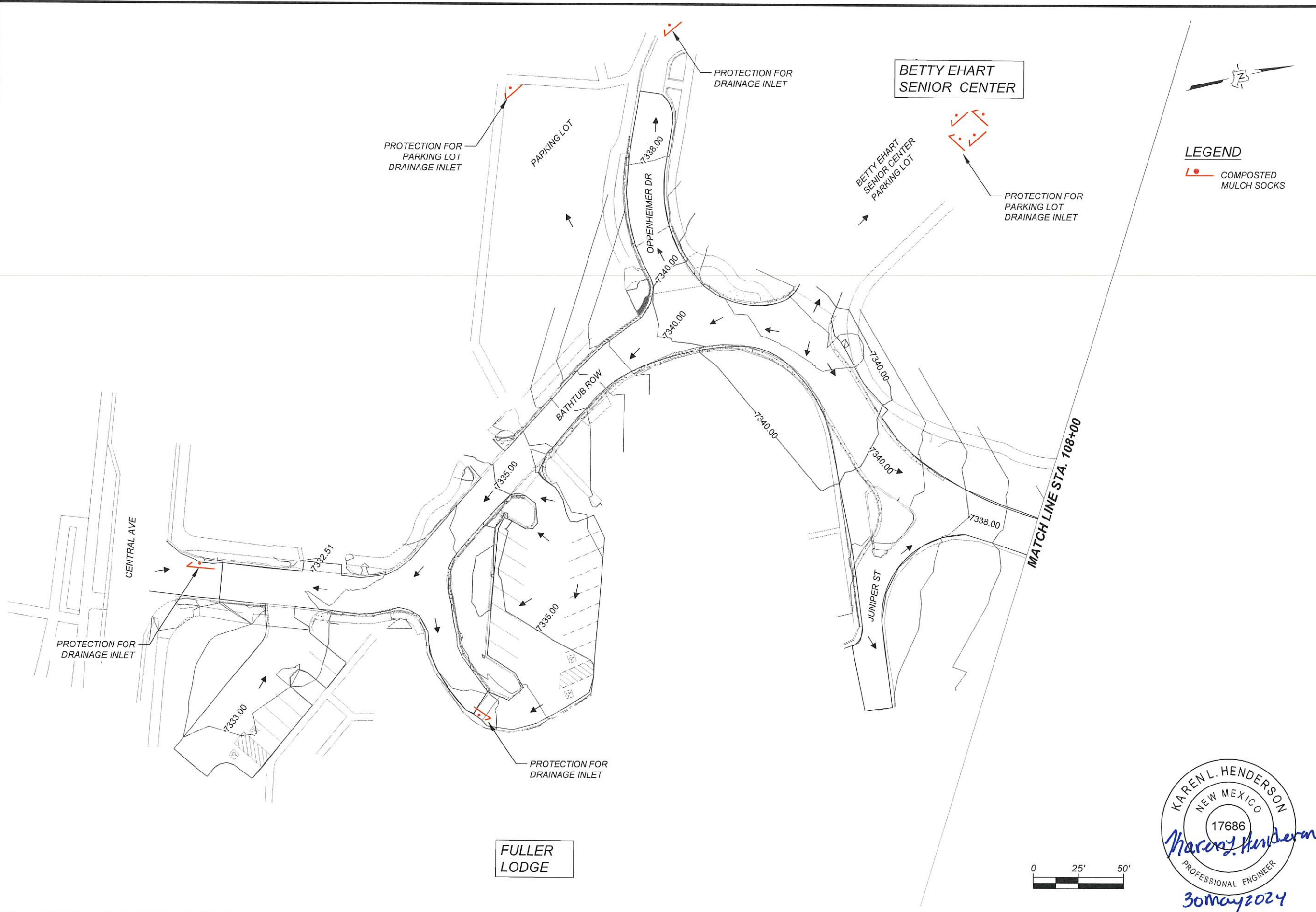


INCORPORATED COUNTY
 OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

KAREN L. HENDERSON
 NEW MEXICO
 17686
Karen Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

Drawing File: U:\PROJECTS\2023-2\100_BATHTUB_ROW\PEACH-NECTAR\02_CAD_DESIGN\PLANS\02_SERIES\BATHTUB_ROW\NPDES.DWG

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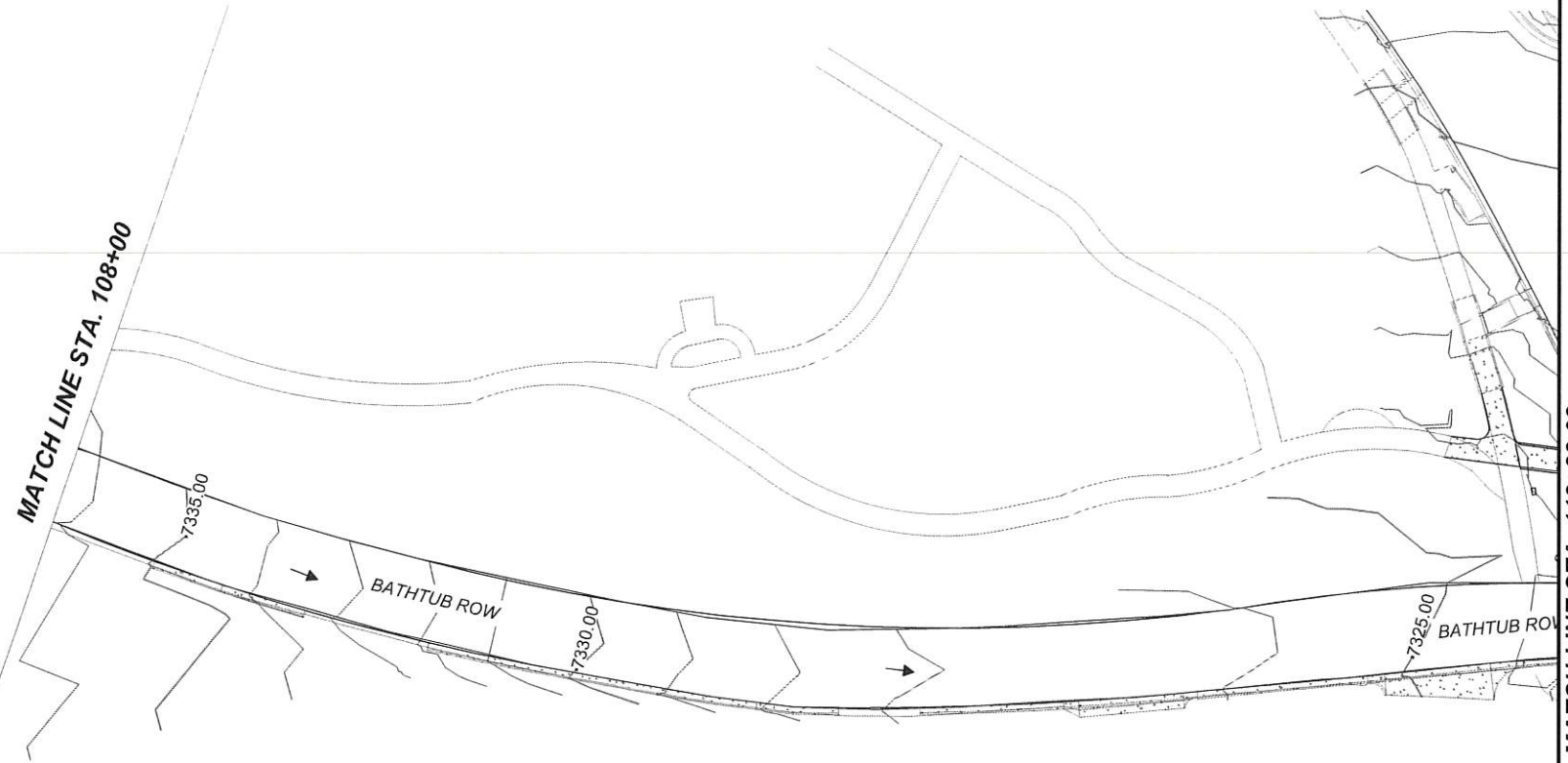
**BATHTUB ROW
RECONSTRUCTION
NPDES PLAN**



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PUBLIC WORKS DEPARTMENT
1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109

KAREN L. HENDERSON
NEW MEXICO
17686
Karen L. Henderson
PROFESSIONAL ENGINEER
30 May 2024

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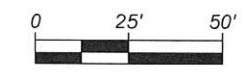


MATCH LINE STA. 112+23.03



LEGEND

 COMPOSTED MULCH SOCKS



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 30 May 2024



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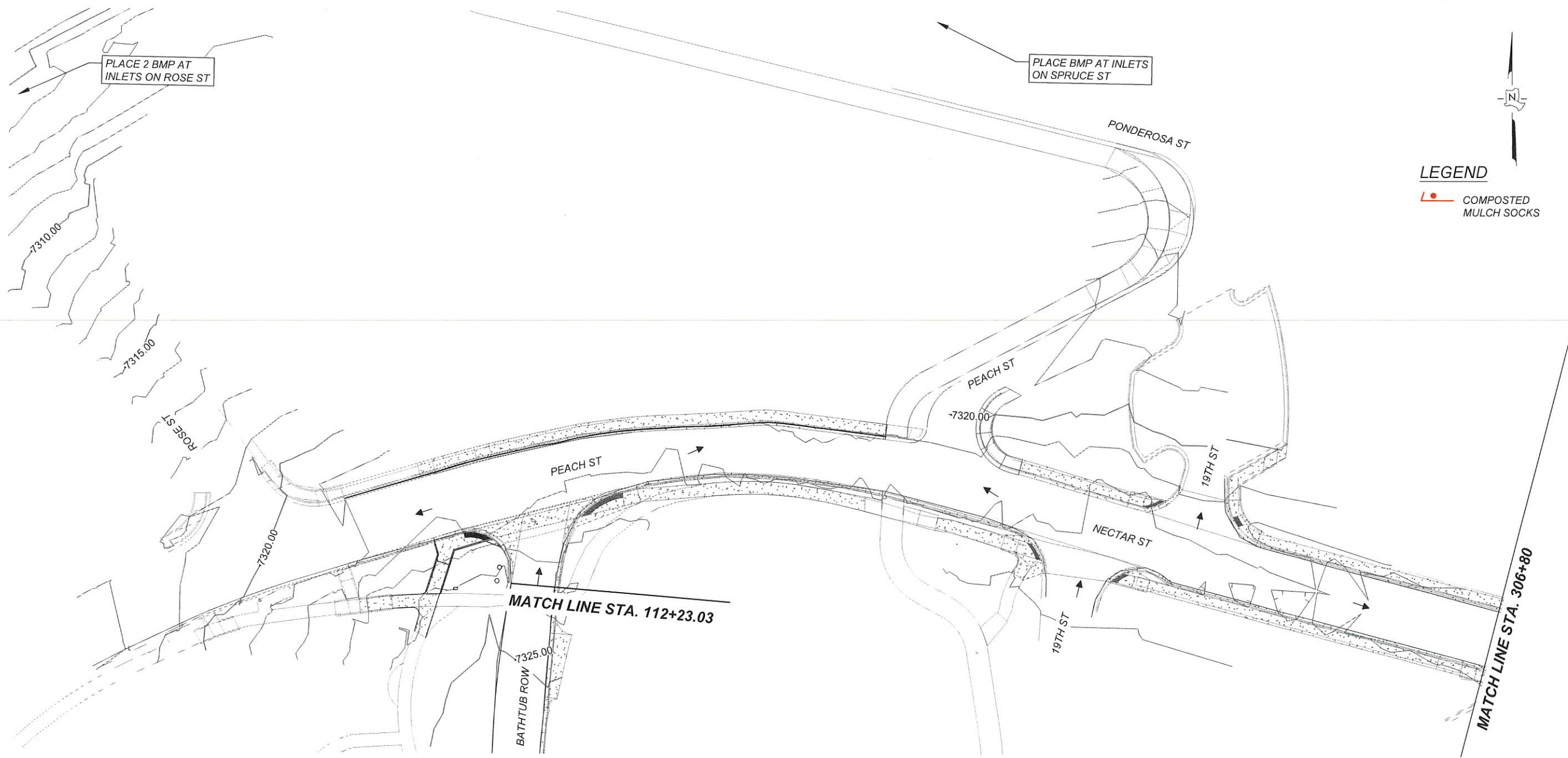
**BATHTUB ROW
 RECONSTRUCTION
 NPDES PLAN**



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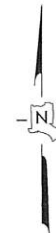
SHEET
 2-15

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LEGEND

● COMPOSTED MULCH SOCKS



Karen L. Henderson
 30 May 2024
 KAREN L. HENDERSON
 NEW MEXICO
 17686
 PROFESSIONAL ENGINEER

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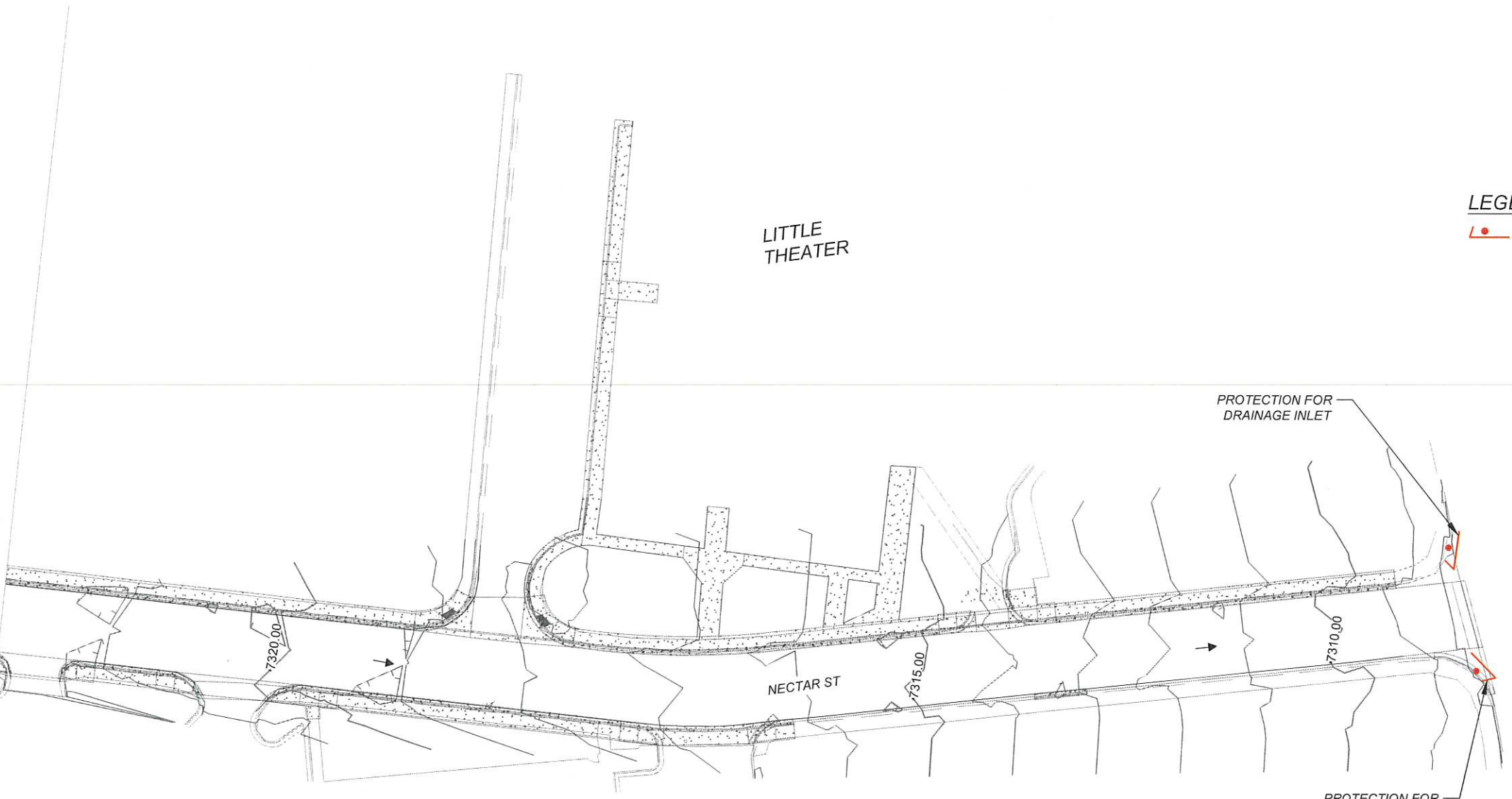
**BATHTUB ROW
 RECONSTRUCTION
 NPDES PLAN**



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MATCH LINE STA. 300+80



LITTLE THEATER

PROTECTION FOR DRAINAGE INLET

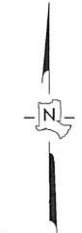
NECTAR ST

15TH ST

PROTECTION FOR DRAINAGE INLET

LEGEND

COMPOSTED MULCH SOCKS



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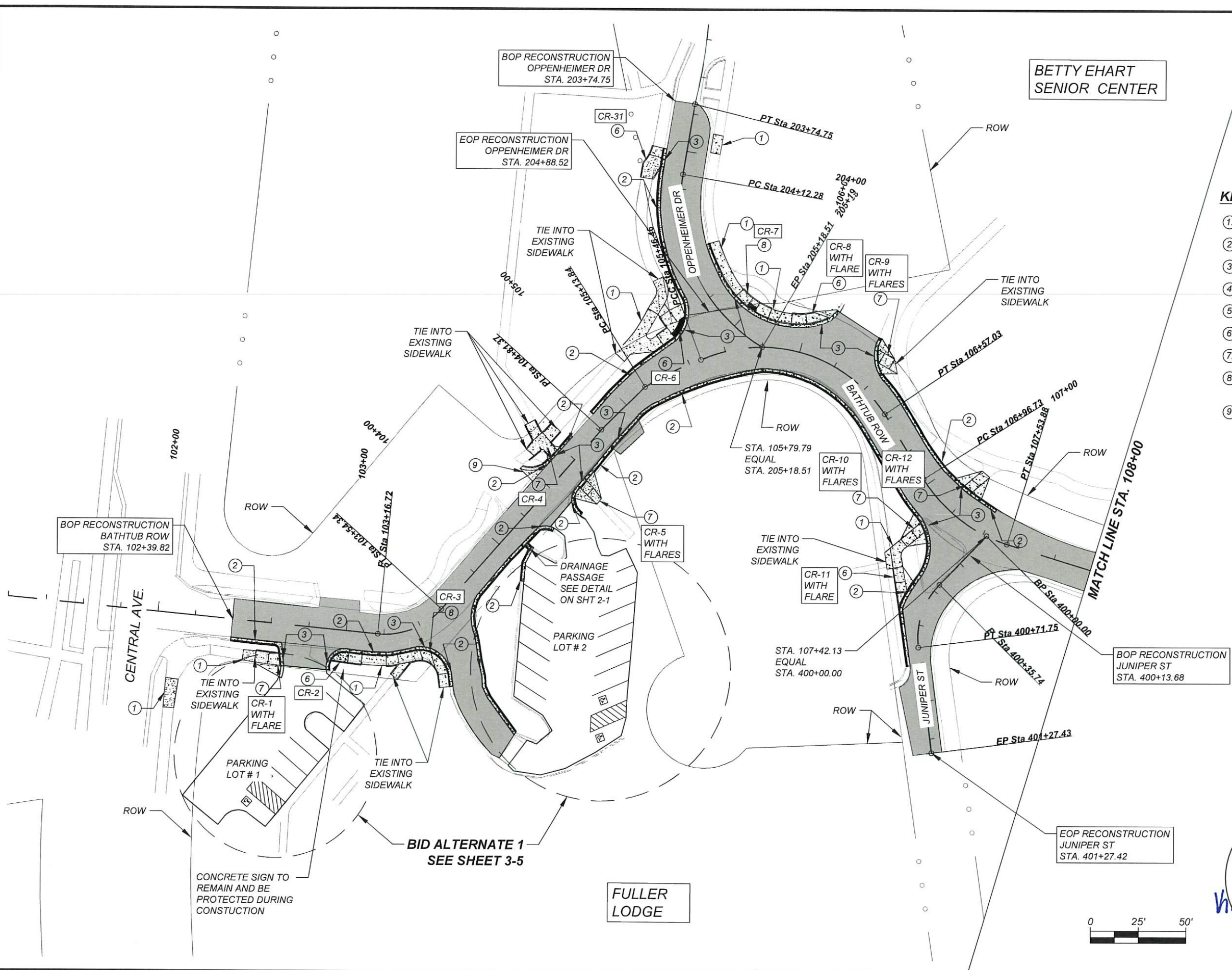
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BATHTUB ROW RECONSTRUCTION NPDES PLAN



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- ① SIDEWALK
- ② VERTICAL CURB AND GUTTER
- ③ LAYDOWN CURB AND GUTTER
- ④ DRIVE PAD
- ⑤ VALLEY GUTTER
- ⑥ PARALLEL CURB RAMP
- ⑦ PERPENDICULAR CURB RAMP
- ⑧ SINGLE DIAGONAL PARALLEL CURB RAMP
- ⑨ FILLET

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**BATHTUB ROW
RECONSTRUCTION**
BATHTUB ROW PLAN VIEW



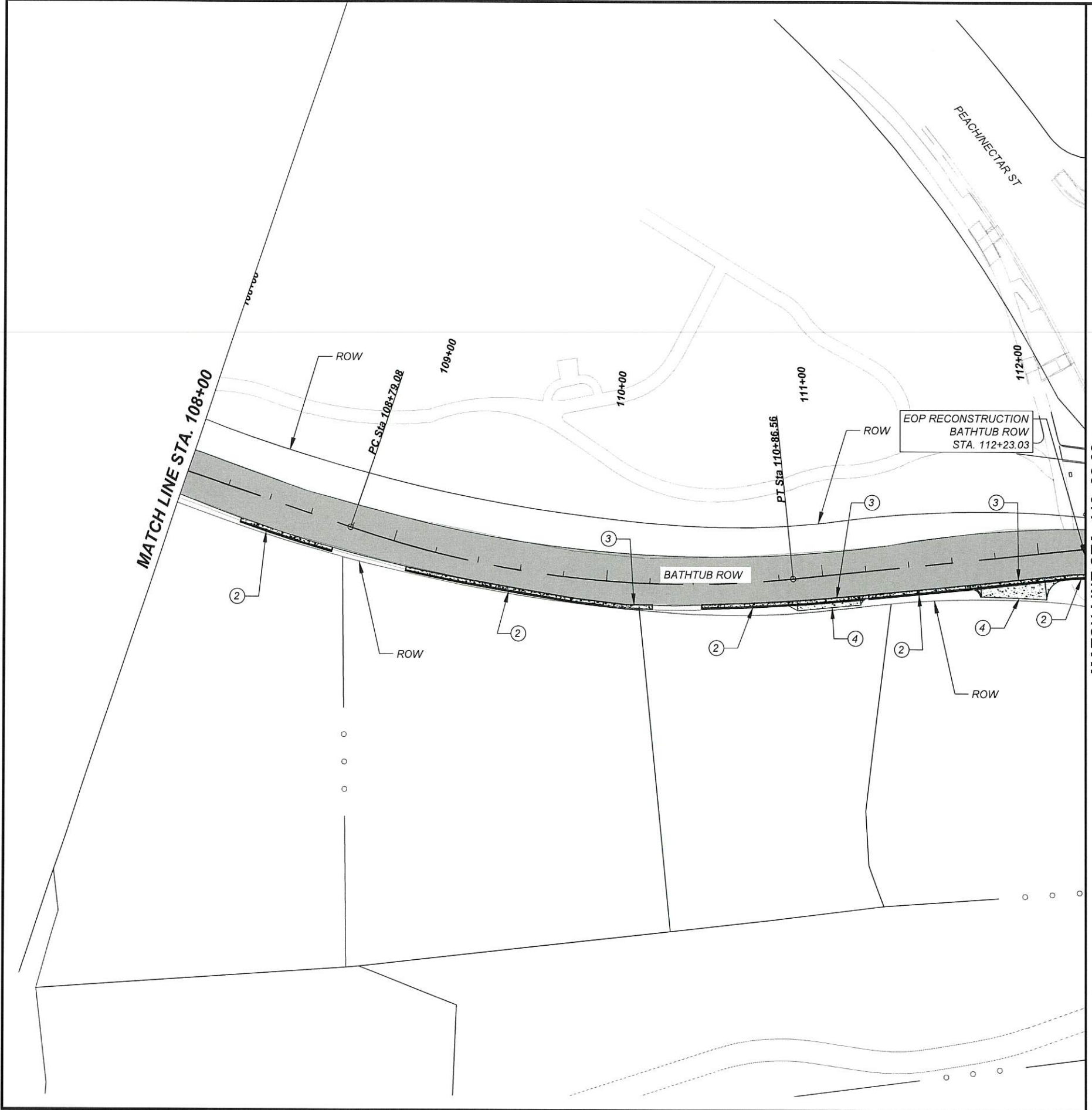
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1000 CENTRAL AVE., SUITE 160
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(505) 662-8150 FAX: (505) 662-8109

SHEET
3-1

KAREN L. HENDERSON
NEW MEXICO
17686
Karen L. Henderson
PROFESSIONAL ENGINEER
30 May 2024



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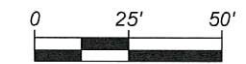


MATCH LINE STA. 112+23.03

MATCH LINE STA. 108+00

KEYED NOTES:

- ① SIDEWALK
- ② VERTICAL CURB AND GUTTER
- ③ LAYDOWN CURB AND GUTTER
- ④ DRIVE PAD
- ⑤ VALLEY GUTTER
- ⑥ PARALLEL CURB RAMP
- ⑦ PERPENDICULAR CURB RAMP
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 NEW MEXICO
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 PROFESSIONAL ENGINEER
 30 May 2024

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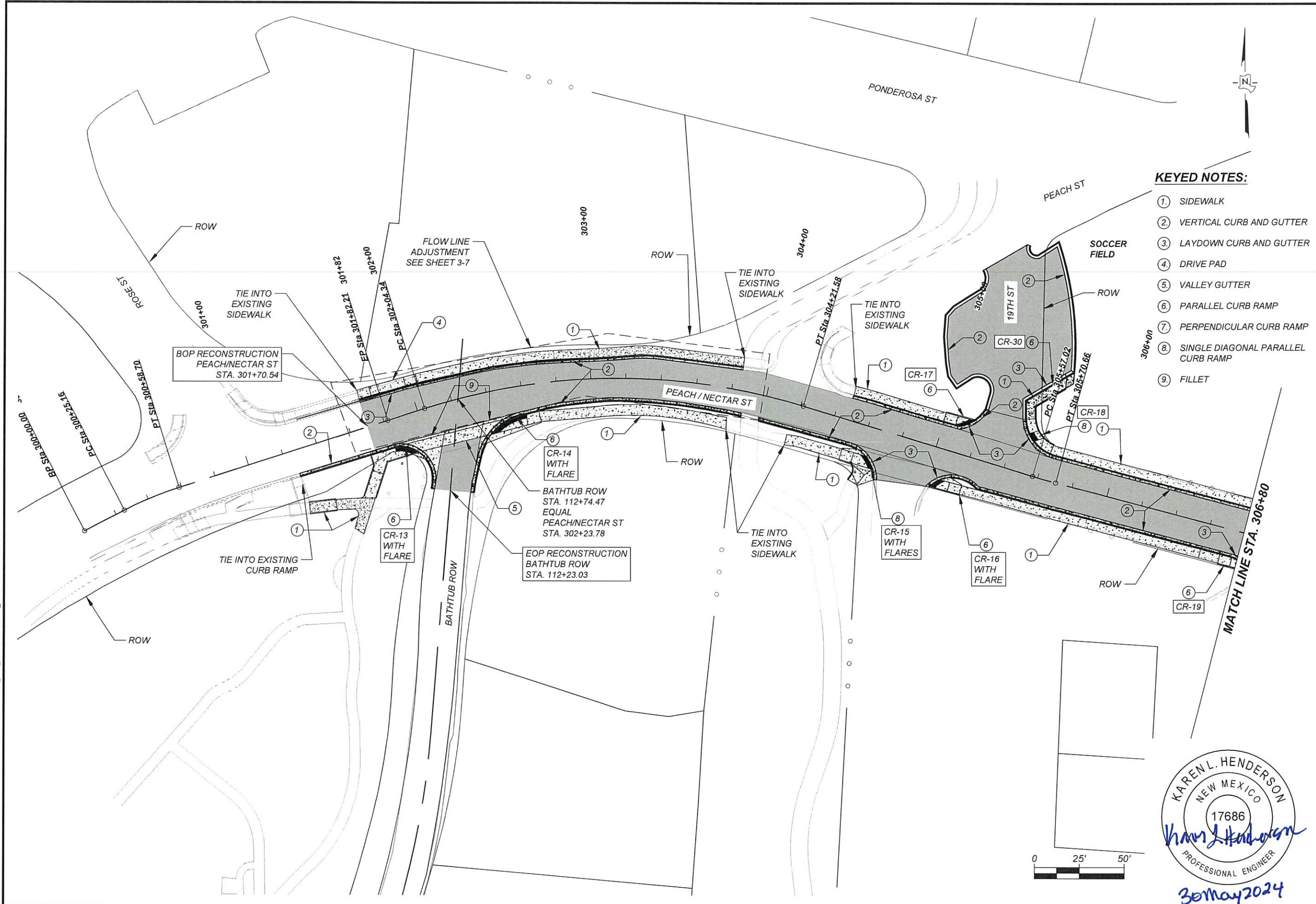
BATHTUB ROW RECONSTRUCTION
 BATHTUB ROW PLAN VIEW



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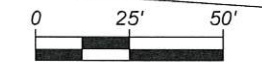
SHEET
 3-2

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KEYED NOTES:

- ① SIDEWALK
- ② VERTICAL CURB AND GUTTER
- ③ LAYDOWN CURB AND GUTTER
- ④ DRIVE PAD
- ⑤ VALLEY GUTTER
- ⑥ PARALLEL CURB RAMP
- ⑦ PERPENDICULAR CURB RAMP
- ⑧ SINGLE DIAGONAL PARALLEL CURB RAMP
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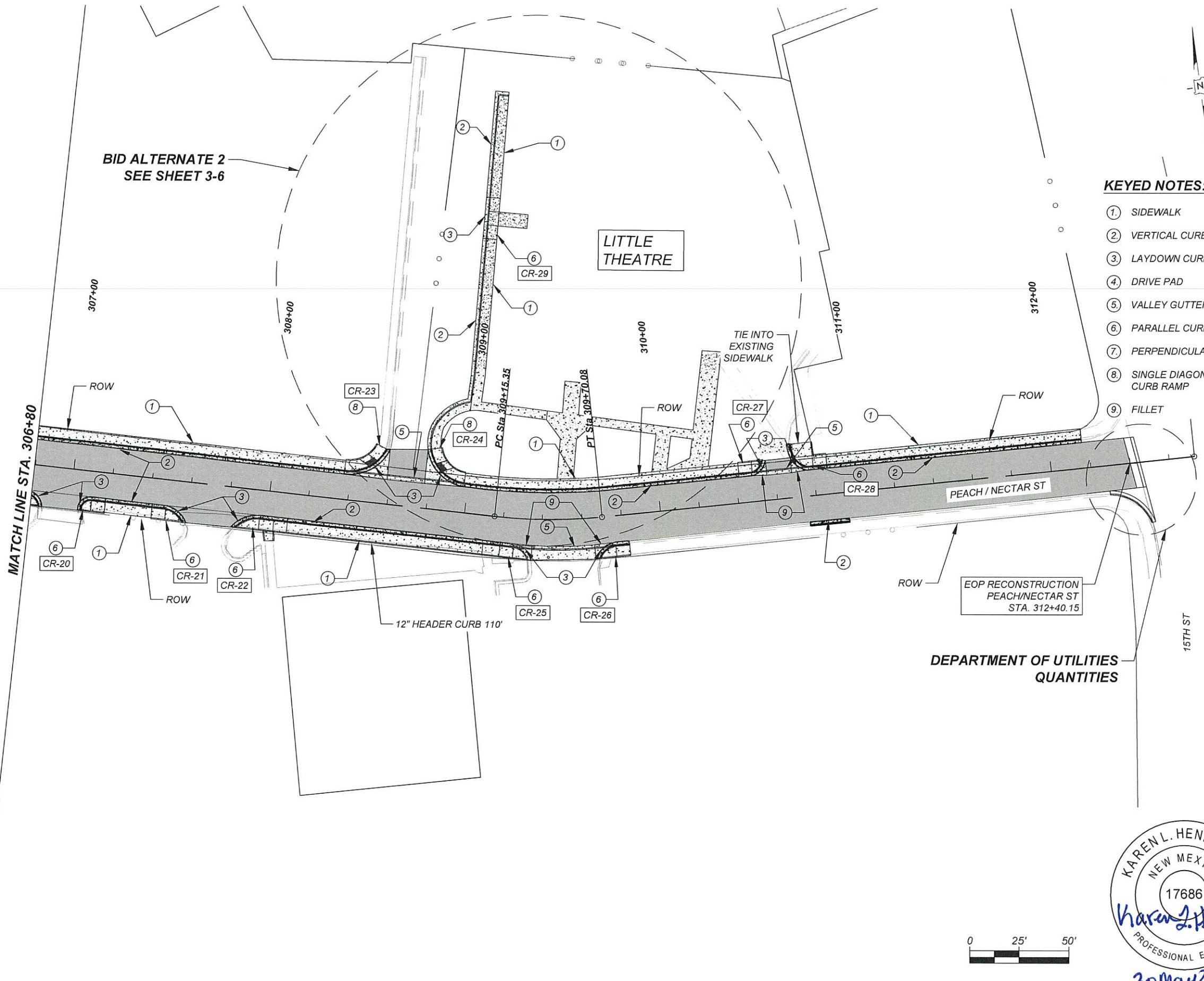
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**BATHTUB ROW
RECONSTRUCTION
PEACH ST-NECTAR ST
PLAN VIEW**



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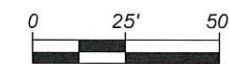


BID ALTERNATE 2
SEE SHEET 3-6

LITTLE
THEATRE

KEYED NOTES:

- ① SIDEWALK
- ② VERTICAL CURB AND GUTTER
- ③ LAYDOWN CURB AND GUTTER
- ④ DRIVE PAD
- ⑤ VALLEY GUTTER
- ⑥ PARALLEL CURB RAMP
- ⑦ PERPENDICULAR CURB RAMP
- ⑧ SINGLE DIAGONAL PARALLEL CURB RAMP
- ⑨ FILLET



DEPARTMENT OF UTILITIES
QUANTITIES

KAREN L. HENDERSON
NEW MEXICO
17686
Karen L. Henderson
PROFESSIONAL ENGINEER
30 May 2024

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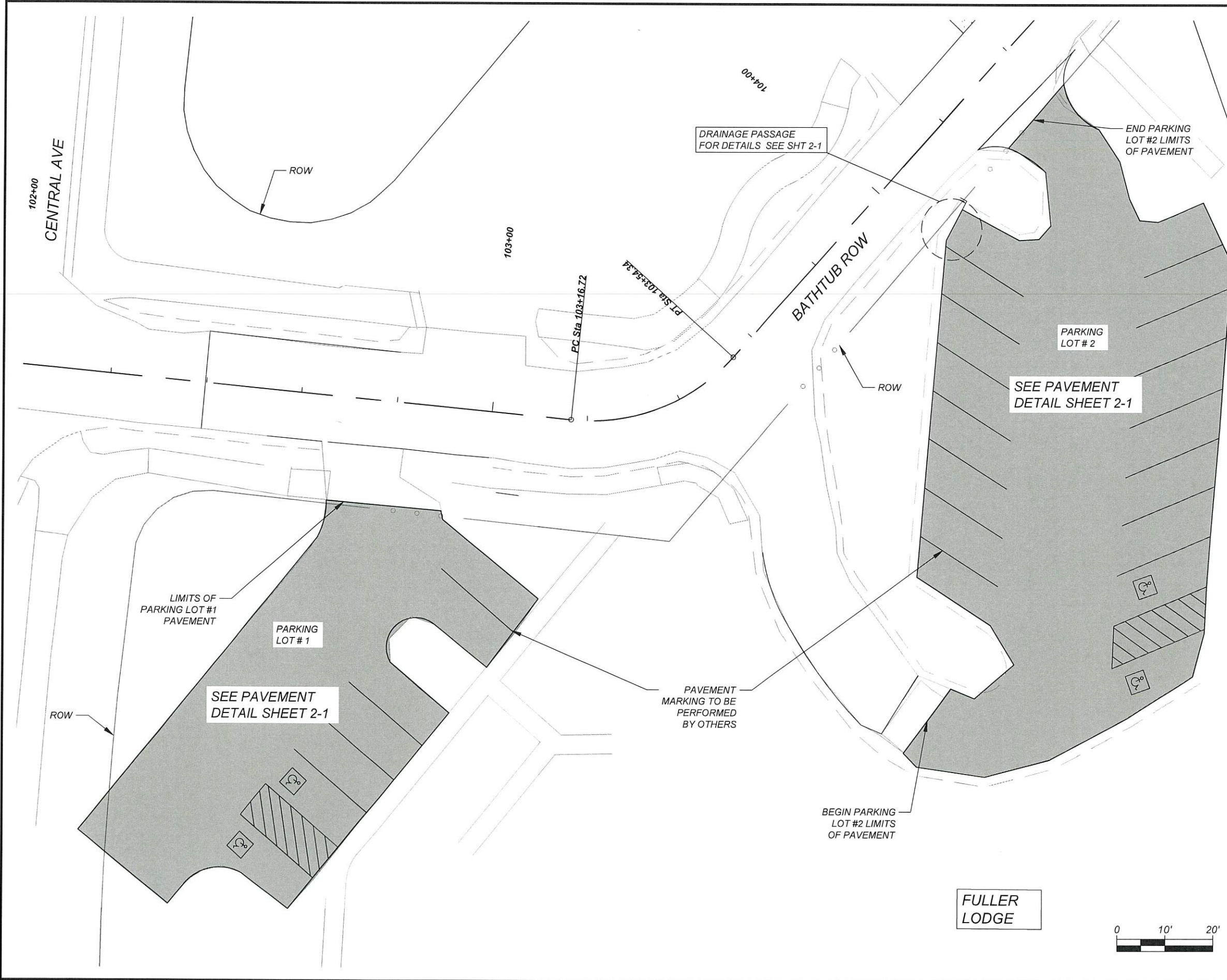
**BATHTUB ROW
RECONSTRUCTION
PEACH ST-NECTAR ST
PLAN VIEW**



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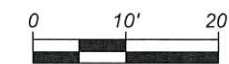
SHEET
3-4

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KEYED NOTES:

- ① SIDEWALK
- ② VERTICAL CURB AND GUTTER
- ③ LAYDOWN CURB AND GUTTER
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 Karen L. Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

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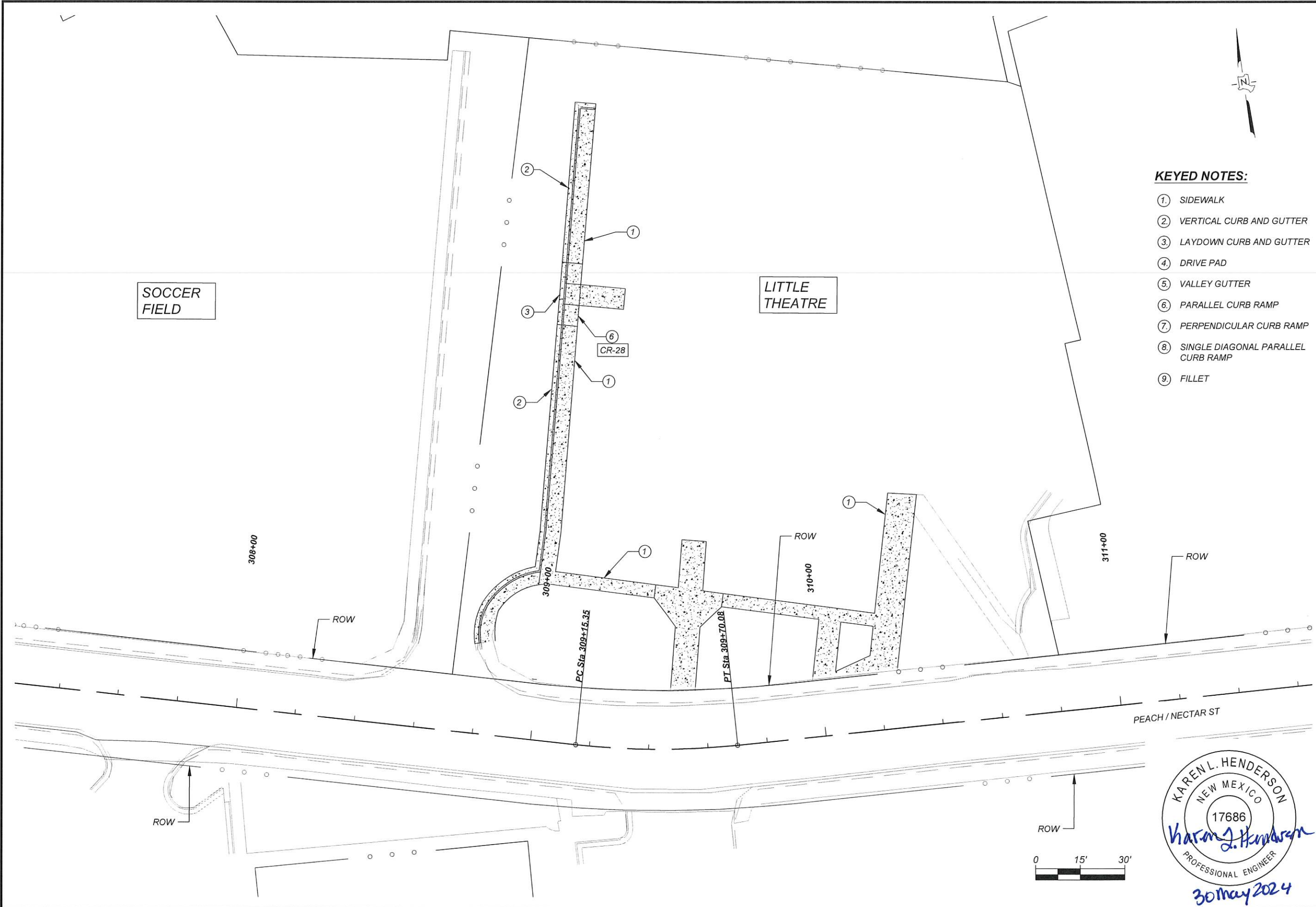
**BATHTUB ROW
 RECONSTRUCTION**
 BID ALTERNATE-1
 PARKING LOTS PLAN VIEW



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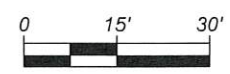
SHEET
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KEYED NOTES:

- ① SIDEWALK
- ② VERTICAL CURB AND GUTTER
- ③ LAYDOWN CURB AND GUTTER
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- ⑤ VALLEY GUTTER
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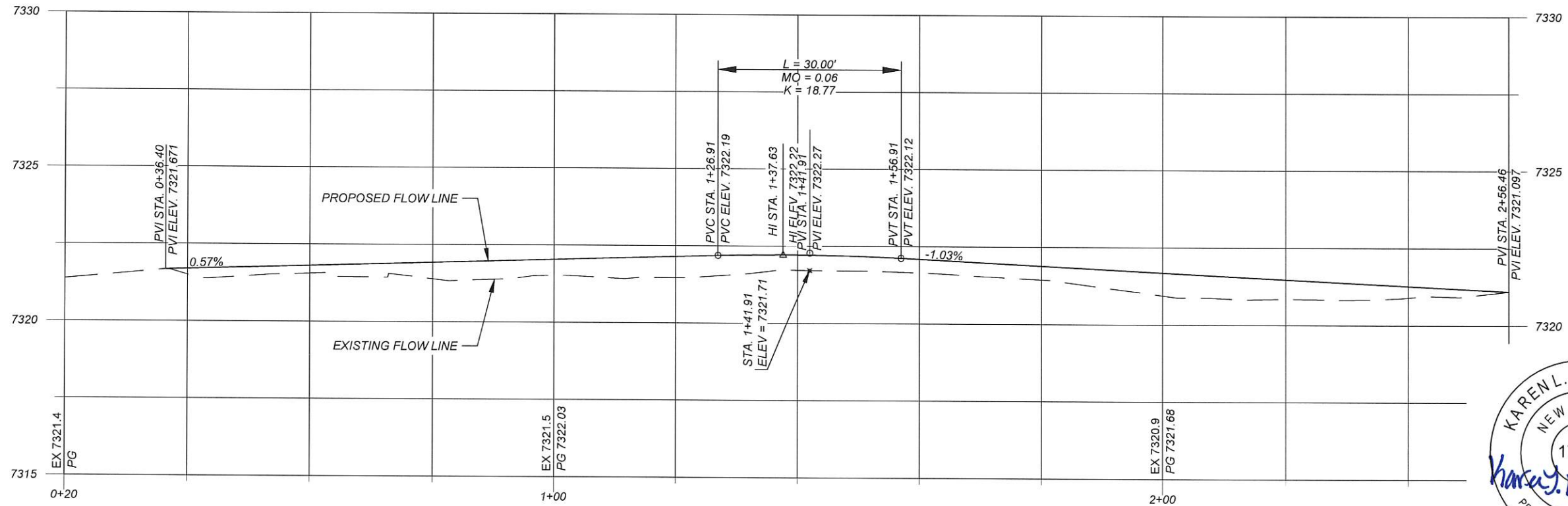
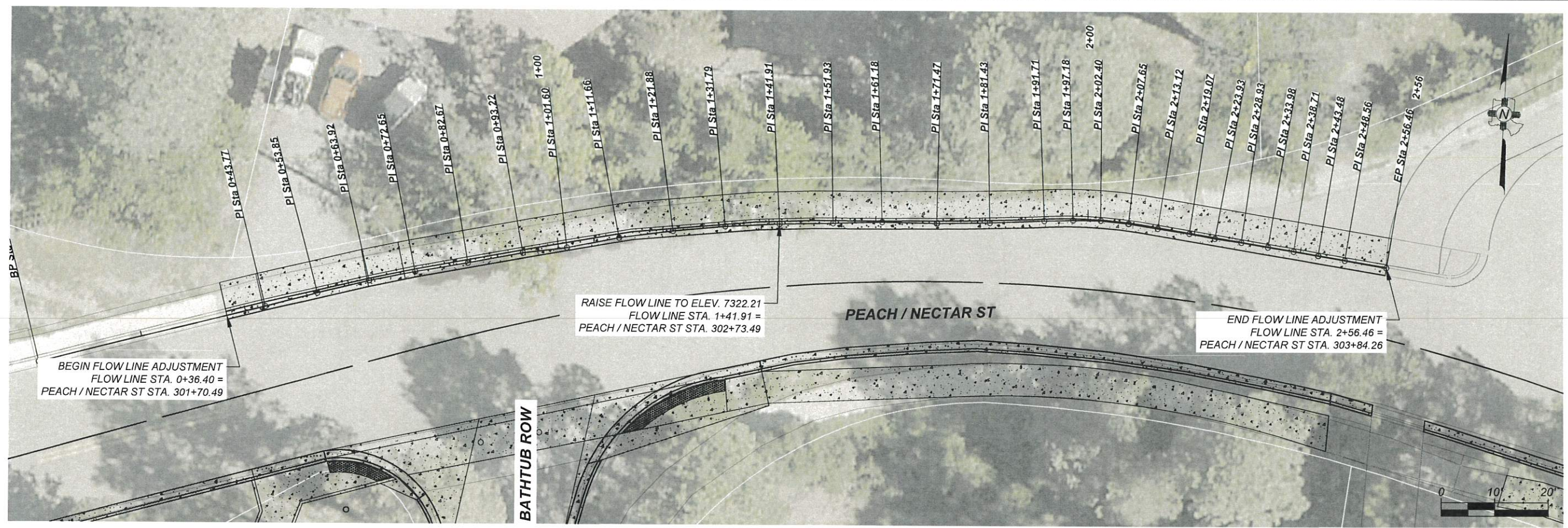
**BATHTUB ROW
RECONSTRUCTION**
 BID ALTERNATE-2
 LITTLE THEATRE PLAN VIEW



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SHEET
 3-6

Drawing File: U:\PROJECTS\2023\2100_BATHTUB_ROW\PEACH-NECTAR\02_CAD_DESIGN\PLANS\03_SERIES\FLOW LINE-SECTION-1.DWG



30 May 2024

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**BATHTUB ROW
RECONSTRUCTION
PEACH ST-NECTAR ST
FLOW LINE ADJUSTMENT PNP**



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SHEET
3-7

SUGGESTED SEQUENCE OF CONSTRUCTION

1. PLACE TRAFFIC SIGNS PER APPROVED TRAFFIC CONTROL PLAN FOR ALL PHASES OF CONSTRUCTION.
2. PLACE DRAINAGE PROTECTION DEVICES.

PHASE 1 - MANDATORY SUBSTANTIAL COMPLETION - BATHTUB ROW FROM CENTRAL AVE. TO THE APPROXIMATE STATION 107+60

- A. INSTALLATION OF WATER LINES FROM APPROXIMATE STATION 102+39.82 TO 107+60.
- B. REMOVE AND REPLACE CURB AND GUTTER AND SIDEWALK FROM APPROXIMATE STATION 102+39.82 TO 107+60.
- C. INSTALLATION OF WATER DISTRIBUTION LINE TIE INS AND SERVICES.
- D. PERFORM UTILITY WORK AT THE LIBRARY AND SENIOR CENTER AREAS
- E. CONSTRUCT BID ALTERNATE - 1 PARKING LOTS FOR FULLER LODGE - IF AWARDED.
- F. CONSTRUCT BID ALTERNATE - 3 BROADBAND - IF AWARDED WITHIN PHASE 1 LIMITS.
- G. PAVEMENT OF BOTH TOP AND BOTTOM MATS FOR ENTIRE LIMITS OF PHASE 1.

PHASE 2 - BATHTUB ROW FROM APPROXIMATE STATION 107+60 TO PEACH STREET AND PEACH/NECTAR STREET FROM ROSE STREET TO 15TH STREET.

- A. INSTALLATION OF WATER LINES FROM APPROXIMATE STATION 107+60 TO 112+23.03 (BATHTUB ROW) AND STATION 301+82 TO STATION 312+40.15 (PEACH / NECTAR ST)..
- B. REMOVE AND REPLACE CURB AND GUTTER AND SIDEWALK FROM APPROXIMATE STATION 107+60 TO 112+23.03 (BATHTUB ROW) AND 301+82 TO 312+40.15 (PEACH / NECTAR ST)..
- C. PERFORM UTILITY TIE IN AT THE LIBRARY AND SENIOR CENTER AREAS FOR WATER PRODUCTION LINE.
- D. INSTALLATION OF WATER DISTRIBUTION AND WATER PRODUCTION TIE INS.
- E. CONSTRUCT BID ALTERNATE - 2 LITTLE THEATRE SIDEWALKS - IF AWARDED.
- F. CONSTRUCT BID ALTERNATE - 3 BROADBAND - IF AWARDED WITHIN PHASE 2 LIMITS.
- G. PAVEMENT OPERATIONS FOR ENTIRE LIMITS PHASE 2.

- NOTE:**
1. ALL UTILITY INSTALLATION GROUND OPENINGS SHALL BE BACKFILLED AT THE END OF EACH WORKDAY.
 2. WORK ON ANY SIDEWALK SEGMENTS SHALL REQUIRE A PEDESTRIAN TRAFFIC CONTROL PLAN USING THE APPROPRIATE TRAFFIC CONTROL DEVICES AND PEDESTRIAN DETOURS WHILE ADA RAMPS AND/OR SIDEWALK ARE UNDER CONSTRUCTION.
 3. PROVIDE INFORMATION SIGNS TO BE SUBMITTED WITH TRAFFIC CONTROL PERMIT TO ASSIST MOTORIST.


Karen L. Henderson
 30 May 2024
 PROFESSIONAL ENGINEER

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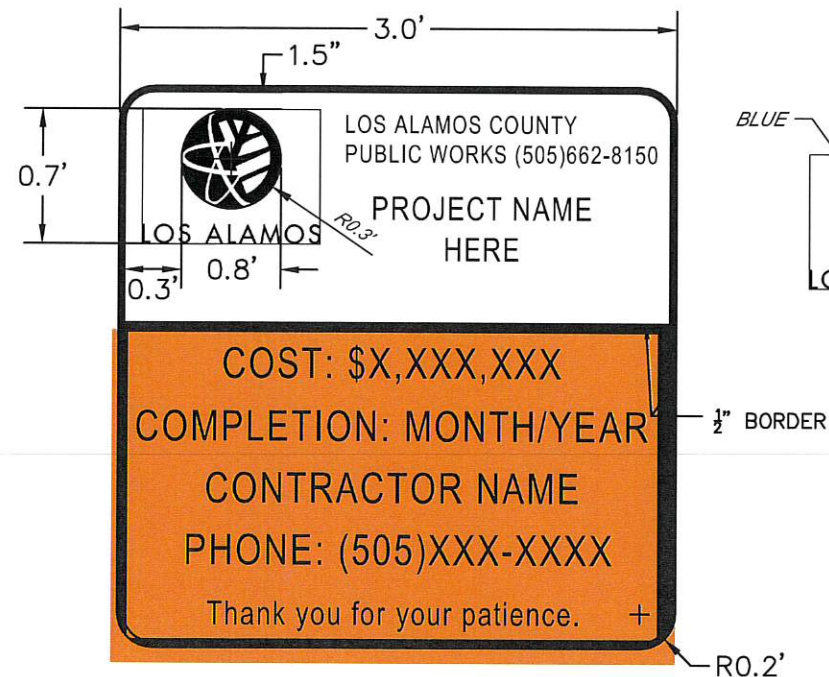
**BATHTUB ROW
 RECONSTRUCTION
 SUGGESTED SEQUENCE OF
 CONSTRUCTION**



INCORPORATED COUNTY
 OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 6-1

Drawing File: U:\PROJECTS\2023-2100_BATHTUB_ROW\PEACH-NECTAR\02_CAD_DESIGN\PLANS\06_TRAFFIC_CONTROL\BATHTUB_ROW_SEG_OF_CONST.DWG



WORK ZONE SIGN NOTES:

- 2 SETS OF ADVANCE WARNING SIGNS TO BE PLACED PRIOR TO CONSTRUCTION AND AT DIRECTION OF PROJECT MANAGER
- SIGNS TO BLACK/ORANGE
- DIMENSIONS TAKEN FROM INSIDE BORDER
- CONTRACTOR TO SUBMIT A SHOP DRAWING WITH LETTER SIZE AND TYPE TO MAXIMIZE SPACE AVAILABLE.
- SIGN FACE SHALL BE IN ACCORDANCE WITH NMDOT STANDARDS FOR CONSTRUCTION SIGNING
- SIGN IS INCIDENTAL TO ITEM 702810 TRAFFIC DEVICES FOR CONSTRUCTION

PROJECT SIGN NOTES:

- ONE PROJECT SIGN TO BE PLACED AT DIRECTION OF PROJECT MANAGER PRIOR TO CONSTRUCTION
- TOP SECTION TO BE WITH WHITE/BLACK
- BOTTOM SECTION TO BE BLACK/ORANGE
- DIMENSIONS TAKEN FROM INSIDE BORDER
- CONTRACTOR TO SUBMIT A SHOP DRAWING WITH LETTER SIZE AND TYPE TO MAXIMIZE SPACE AVAILABLE.
- SIGN FACE SHALL BE IN ACCORDANCE WITH NMDOT STANDARDS FOR CONSTRUCTION SIGNING
- SIGN IS INCIDENTAL TO ITEM 702810 TRAFFIC DEVICES FOR CONSTRUCTION
- LOS ALAMOS COUNTY LOGO SHALL BE IN COLOR. COLORS ARE AS FOLLOWS:
 - PANTONE 174C (RED)
 - PANTONE 7699C (BLUE)

SIGN FACE DETAILS FOR CONSTRUCTION / MAINTENANCE

1. SIGNS SHALL MEET SPECIFICATIONS IN THE STANDARD HIGHWAY SIGNS MANUAL AND CURRENT EDITION OF THE MUTCD.
2. SEE CURRENT EDITION OF MUTCD FOR ADDITIONAL SIGNS.
3. ALL SIGNS SHALL COMPLY WITH SHEETING REQUIREMENTS AS SPECIFIED IN STANDARD DRAWING 702-01-3/5.
4. SIGN SIZES MAY BE ADJUSTED PER MUTCD RECOMMENDATIONS.

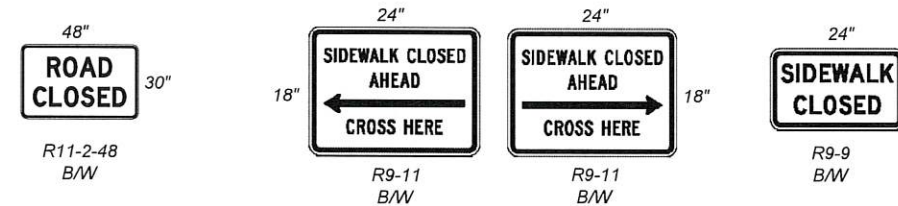
WARNING SIGNS:

ALL WARNING SIGNS ARE BLACK/FLUORESCENT ORANGE UNLESS OTHERWISE SPECIFIED.

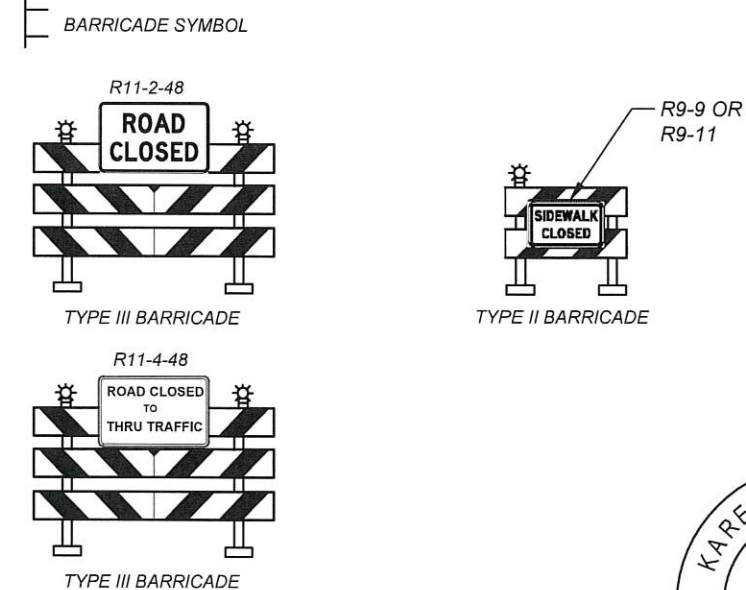


* THESE SIGNS REQUIRE APPROPRIATE DISTANCE INDICATION (1/2 MILE, 1 MILE, 1500 FT., 1000 FT., 500 FT., 350 FT.)

REGULATORY SIGNS:



8 FT. TYPE III BARRICADES, 2 FT. TYPE II BARRICADES



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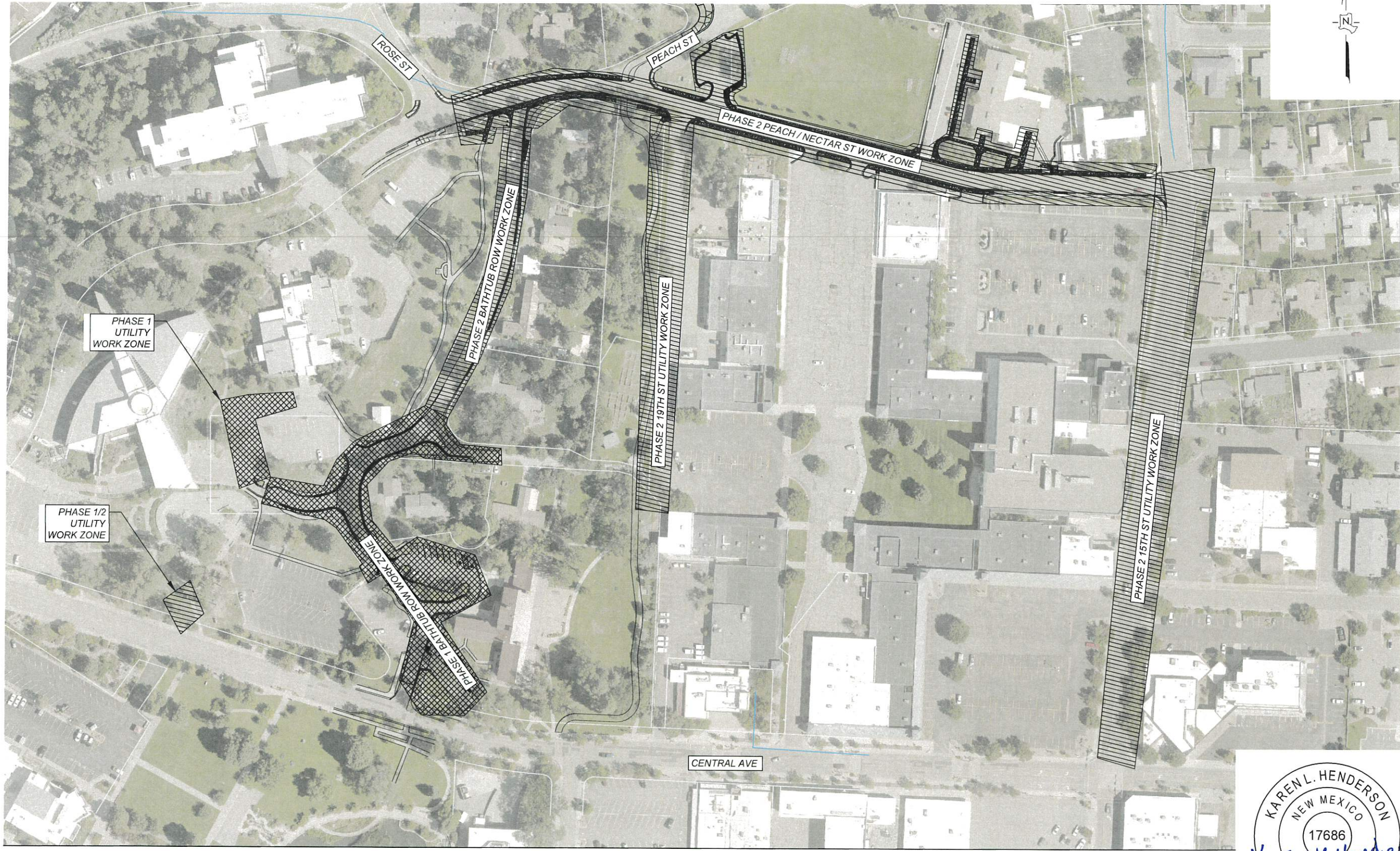
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BATHTUB ROW RECONSTRUCTION
 SIGN DETAILS



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 Karen L. Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

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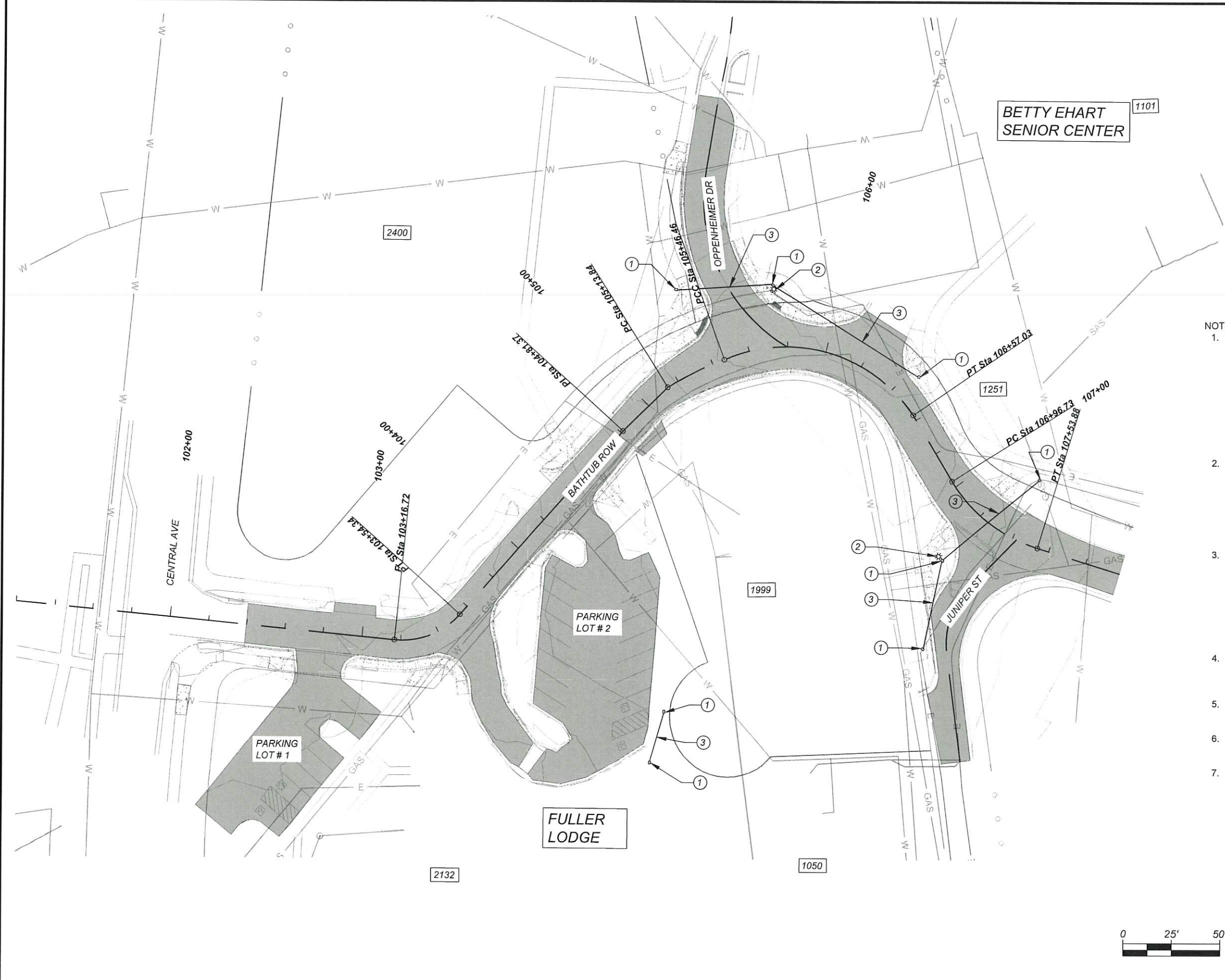


**BATHTUB ROW
 RECONSTRUCTION**
 SUGGESTED SEQUENCE OF
 CONSTRUCTION PHASE MAP

DESIGNED BY: LAC
 DRAWN BY: LAC
 APPROVED BY: LAC
 DATE: 5/30/2024
 SCALE: NTS

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Drawing File: U:\PROJECTS\2023-2100_BATHTUB_ROW\PEACH-NECTAR\02_CAD_DESIGN\PLANS\08_LIGHTING\BATHTUB_ROW_LIGHTING.DWG



KEYED NOTES:

- ① PULL BOX (STD)
- ② REMOVE & RESET BOLLARD LIGHT
- ③ CONDUIT 2" WITH SINGLE CONDUCTOR 10

NOTES:

1. INSTALLATION OF STANDARD PULL BOX AT BASE OF EXISTING BOLLARD LIGHT AT LOCATION INDICATED ON PLANS. RIGID ELECTRICAL CONDUIT 2" TO BE PLACED BY CONTRACTOR AS INDICATED ON PLANS. MINIMAL DISRUPTION TO EXISTING DRIVEWAY PADS AND SIDEWALK IS REQUIRED. TRENCHING DURING ROADWAY CONSTRUCTION IS DESIRED
2. ALL 2" ELECTRIC CONDUIT SHALL BE BURIED 24" FROM TOP OF ASPHALT IN ROADWAY AND 18" BELOW FINISHED GRADE BEHIND CURB AND UNDER SIDEWALK. SEE TRENCH DETAIL SHEET AND LUMINAIRE QUANTITIES SHEET FOR SCHEDULE AND DETAILS.
3. CONTRACTOR TO SWEEP 2" CONDUIT OUT OF PULL BOX TOWARDS LIGHTS. ALL MEASUREMENTS ARE BASED ON LINEAR MEASUREMENT. NO ADDITIONAL MEASUREMENT WILL BE MADE FOR 90 DEGREE SWEEPS. SWEEPS ARE INCIDENTAL TO THE PLACEMENT OF THE CONDUIT.
4. PULL BOX SIZE 12X24. 4" OF 3/4" GRAVEL IS TO BE PLACED UNDER ELECTRIC PULL BOXES.
5. PULL BOX TO BE INSTALLED BEHIND CURB AND GUTTER.
6. CAUTION TAPE SHALL BE INSTALLED 1' ABOVE CONDUIT.
7. FOR FINAL ELECTRICAL TIE IN CONTACT PROJECT MANAGER FOR COORDINATION WITH DEPARTMENT OF UTILITIES.

Karen L. Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

NO.	REVISION DESCRIPTION
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**BATHTUB ROW
 RECONSTRUCTION
 LUMINAIRE PLAN VIEW**



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 OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
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 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

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ITEM NO. 707810 REMOVE & RESET LIGHTING STANDARD & LUMINAIRE

STREET	STATION	OFFSET	EACH	REMARKS
BATHTUB ROW	105+74.80	-29.75	1	BOLLARD LIGHT
JUNIPER ST	400+34.53	22.89	1	BOLLARD LIGHT
PROJECT TOTAL				2
PROJECT USE				2

ITEM NO. 710000 ELECTRICAL PULL BOX (STANDARD)

STREET	STATION	OFFSET	EACH	REMARKS
BATHTUB ROW	103+64.00	124.00	1	ELECTRIC PULL BOX
BATHTUB ROW	103+88.50	112.20	1	ELECTRIC PULL BOX
BATHTUB ROW	105+37.50	-42.70	1	ELECTRIC PULL BOX
BATHTUB ROW	105+74.50	-31.80	1	ELECTRIC PULL BOX
BATHTUB ROW	106+44.60	-14.50	1	ELECTRIC PULL BOX
BATHTUB ROW	107+38.00	-32.89	1	ELECTRIC PULL BOX
JUNIPER ST	400+35.00	20.00	1	ELECTRIC PULL BOX
JUNIPER ST	400+69.00	12.42	1	ELECTRIC PULL BOX
PROJECT TOTAL				8
PROJECT USE				8

ITEM NO. 709020 RIGID ELECTRICAL CONDUIT 2" (DIA.)

STREET	STATION	LT/RT	LIN FT.	REMARKS
BATHTUB ROW	105+37.50	LT	55	PULL BOX TO PULL BOX
BATHTUB ROW	105+37.50	LT	6	PULL BOX TO BOLLARD LIGHT
BATHTUB ROW	105+74.50	LT	90	PULL BOX TO PULL BOX
BATHTUB ROW	105+74.50	LT	6	PULL BOX TO BOLLARD LIGHT
BATHTUB ROW	107+38.00	LT	65	PULL BOX TO PULL BOX
BATHTUB ROW	107+38.00	LT	6	PULL BOX TO BOLLARD LIGHT
BATHTUB ROW	103+64.00	RT	35	PULL BOX TO PULL BOX
BATHTUB ROW	103+64.00	RT	10	PULL BOX TO LIGHT POLE
BATHTUB ROW	103+88.50	RT	6	PULL BOX TO BOLLARD LIGHT
JUNIPER ST	400+35.00	RT	46	PULL BOX TO PULL BOX
JUNIPER ST	400+35.00	RT	6	PULL BOX TO BOLLARD LIGHT
JUNIPER ST	400+69.00	RT	6	PULL BOX TO BOLLARD LIGHT
PROJECT TOTAL			337	
PROJECT USE			340	

NOTE: SCHEDULE 40 PVC IS TO BE USED

ITEM NO. 711110 SINGLE CONDUCTOR 10

STREET	STATION	LT/RT	LIN FT.	REMARKS
BATHTUB ROW	105+37.50	LT	60	PULL BOX TO PULL BOX
BATHTUB ROW	105+37.50	LT	6	PULL BOX TO BOLLARD LIGHT
BATHTUB ROW	105+74.50	LT	100	PULL BOX TO PULL BOX
BATHTUB ROW	105+74.50	LT	6	PULL BOX TO BOLLARD LIGHT
BATHTUB ROW	107+38.00	LT	65	PULL BOX TO PULL BOX
BATHTUB ROW	107+38.00	LT	6	PULL BOX TO BOLLARD LIGHT
BATHTUB ROW	103+64.00	RT	35	PULL BOX TO PULL BOX
BATHTUB ROW	103+64.00	RT	10	PULL BOX TO LIGHT POLE
BATHTUB ROW	103+88.50	RT	6	PULL BOX TO BOLLARD LIGHT
JUNIPER ST	400+35.00	RT	46	PULL BOX TO PULL BOX
JUNIPER ST	400+35.00	RT	6	PULL BOX TO BOLLARD LIGHT
JUNIPER ST	400+69.00	RT	6	PULL BOX TO BOLLARD LIGHT
TIMES 3 =			1056	
PROJECT TOTAL			1056	
PROJECT USE			1060	


 Karen L. Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

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 APPROVED BY: LAC
 DATE: 5/30/2024
 SCALE: 1" = 20'

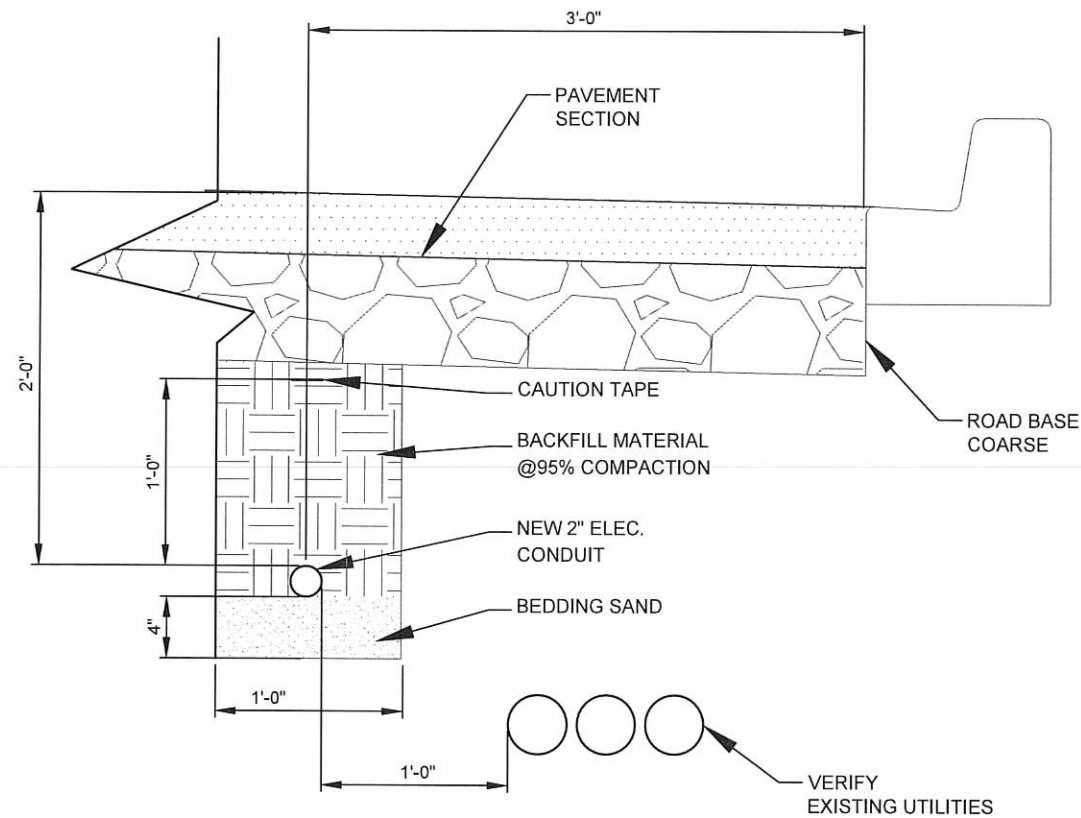
**BATHTUB ROW
 RECONSTRUCTION
 LUMINAIRE QUANTITIES**



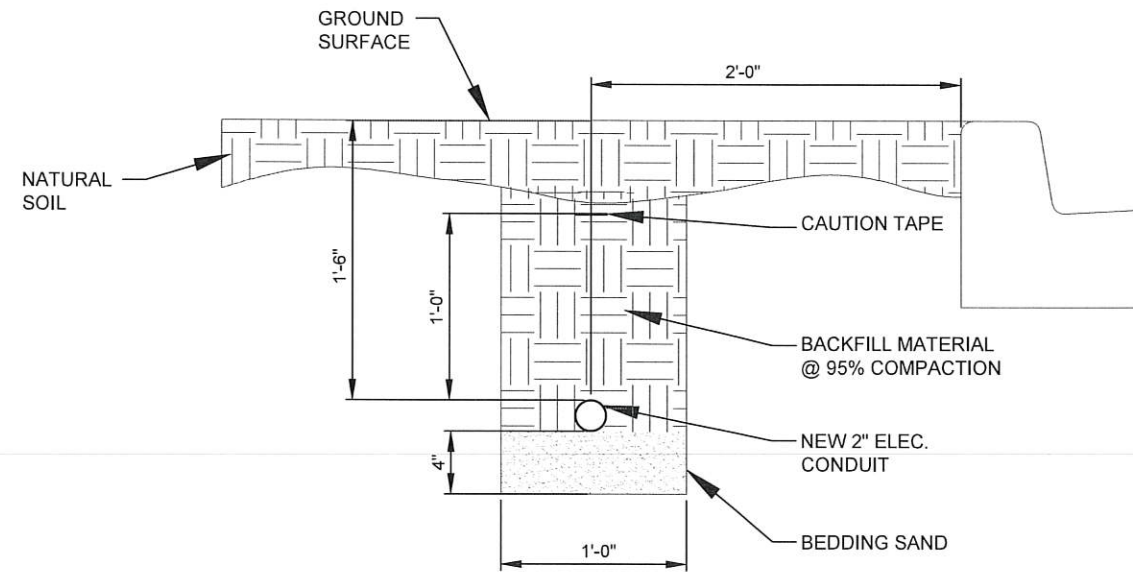
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 8-2**

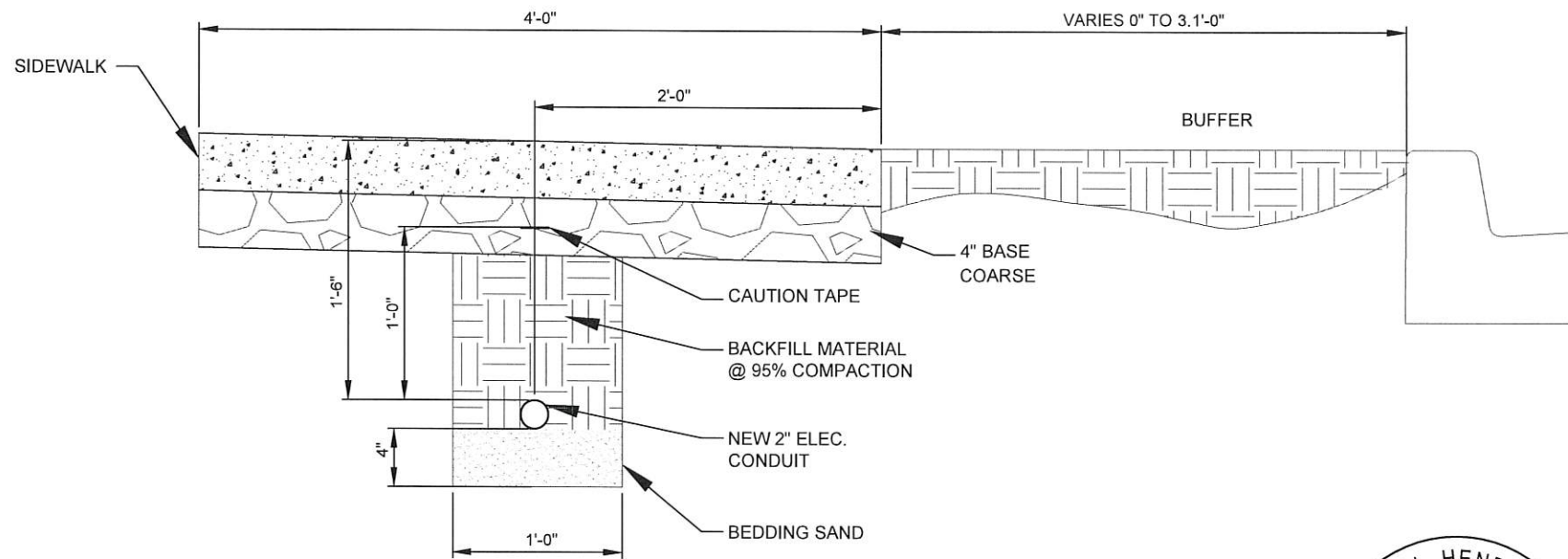
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TRENCH DETAIL IN ROADWAY
NTS



TRENCH DETAIL BEHIND CURB
NTS



TRENCH DETAIL IN SIDEWALK
NTS

- NOTES:
1. SEE LUMINAIRES QUANTITIES SHEET FOR CONDUIT AND PULL BOX SCHEDULE AND SEE 8 SHEET SERIES FOR LOCATION .
 2. IF STREET LIGHT CABLE IS HIT, CONTRACTOR IS TO NOTIFY PROJECT MANAGER IMMEDIATELY.
 3. COMPACTION TO BE 95% WHEN PLACING CONDUIT IN TRENCH. THIS INCLUDES IN THE ROADWAY AND UNDER SIDEWALK.
 4. BEDDING SAND SHALL BE PLACED UNDER CONDUIT AND MEET 95% COMPACTION AND SHALL BE INCIDENTAL TO PLACEMENT OF RIGID ELECTRICAL CONDUIT.

KAREN L. HENDERSON
NEW MEXICO
17686
Karen L. Henderson
PROFESSIONAL ENGINEER
30 May 2024

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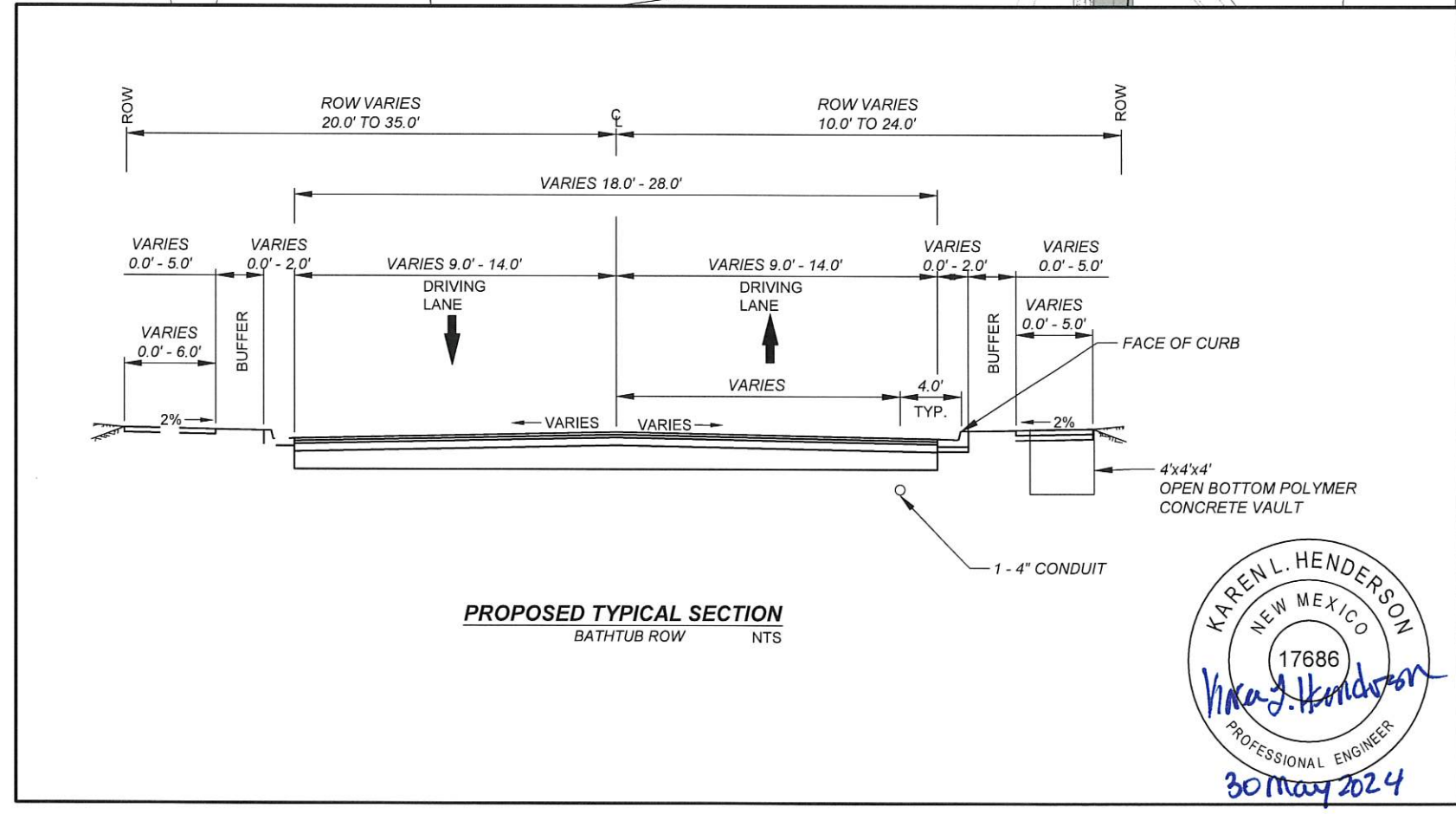
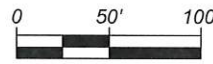
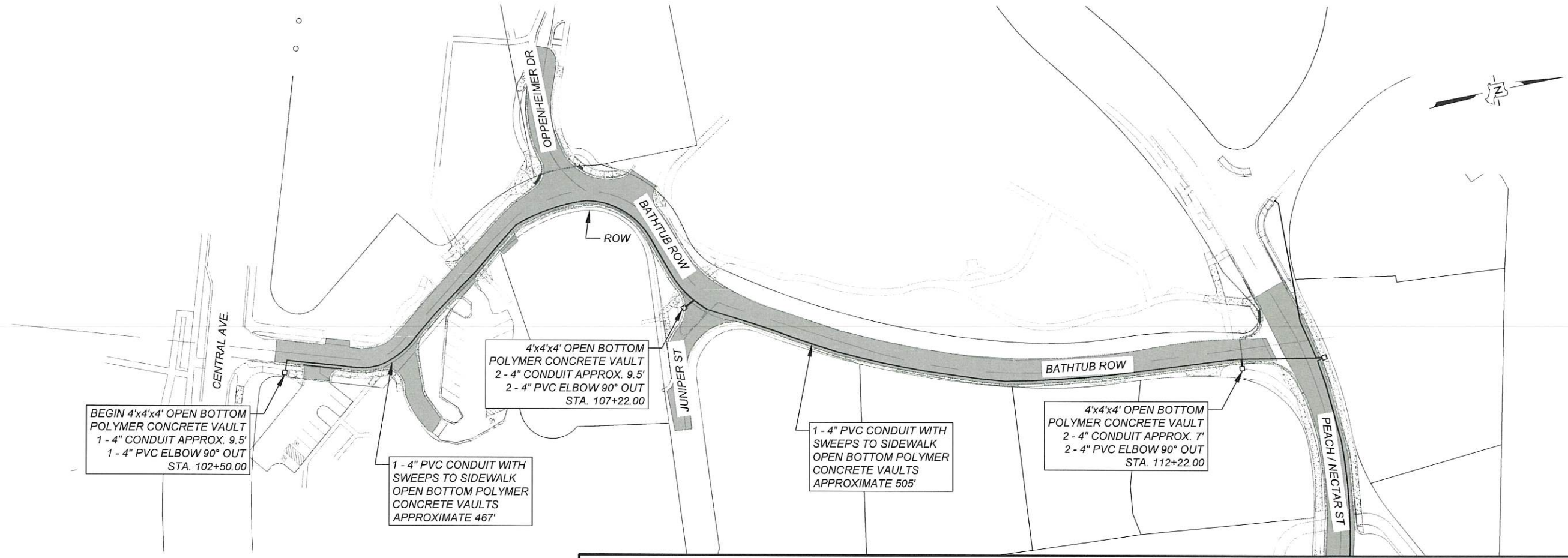
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SCALE:	1" = 20'

**BATHTUB ROW
RECONSTRUCTION
TRENCH DETAIL**



INCORPORATED COUNTY
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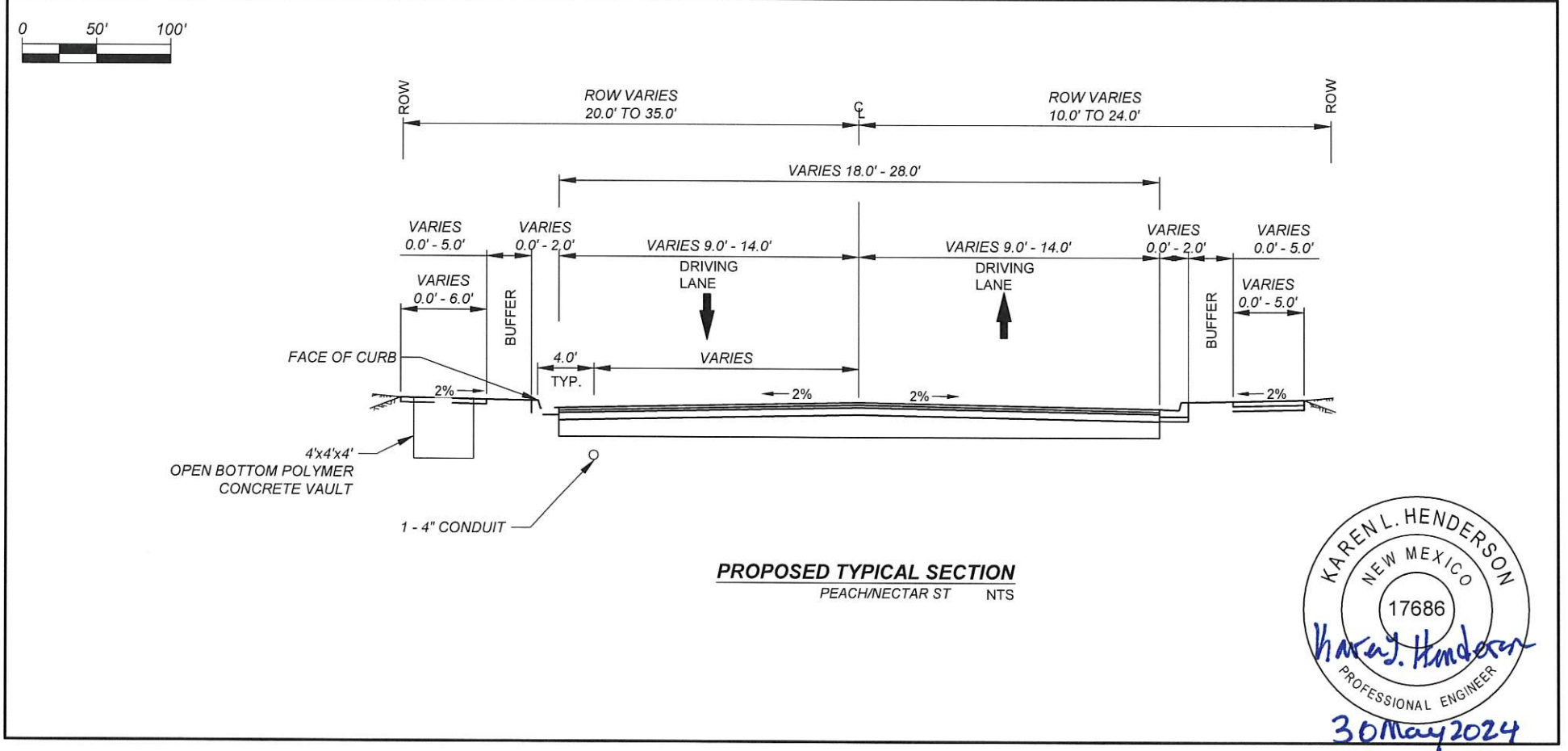
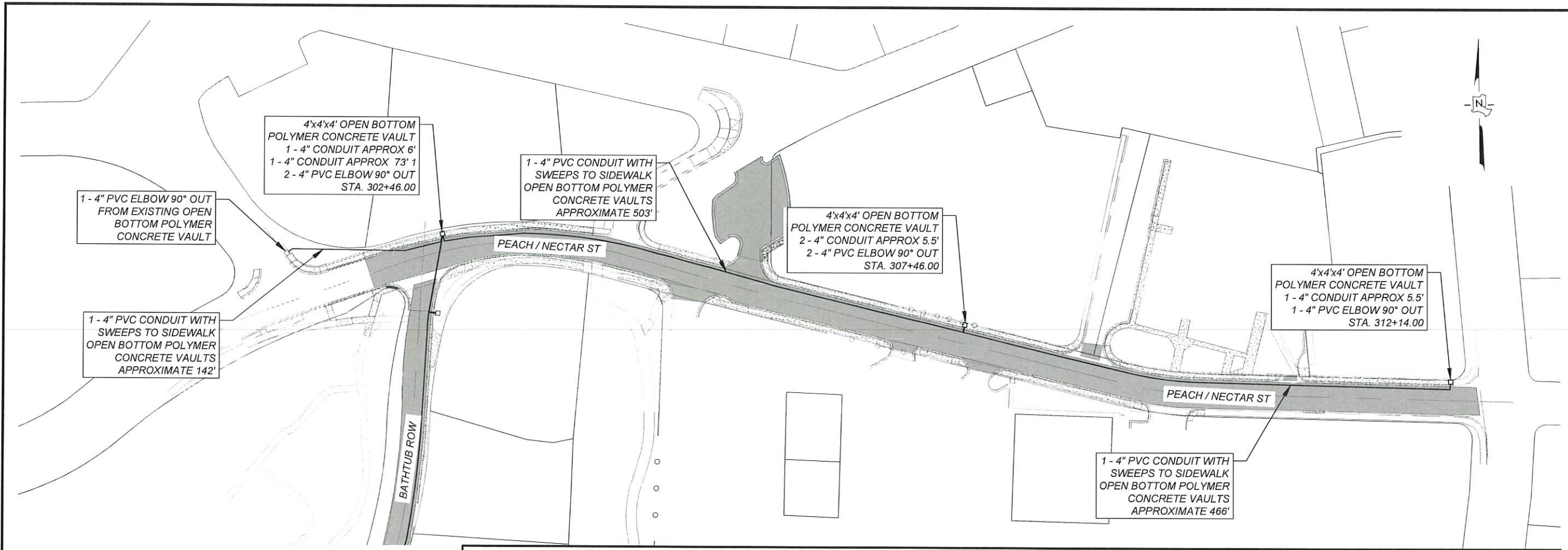
BATHTUB ROW RECONSTRUCTION
 BID ALTERNATE - 3
 BROADBAND PLAN VIEW



INCORPORATED COUNTY OF LOS ALAMOS
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KAREN L. HENDERSON
NEW MEXICO
17686
Karen L. Henderson
PROFESSIONAL ENGINEER
30 May 2024

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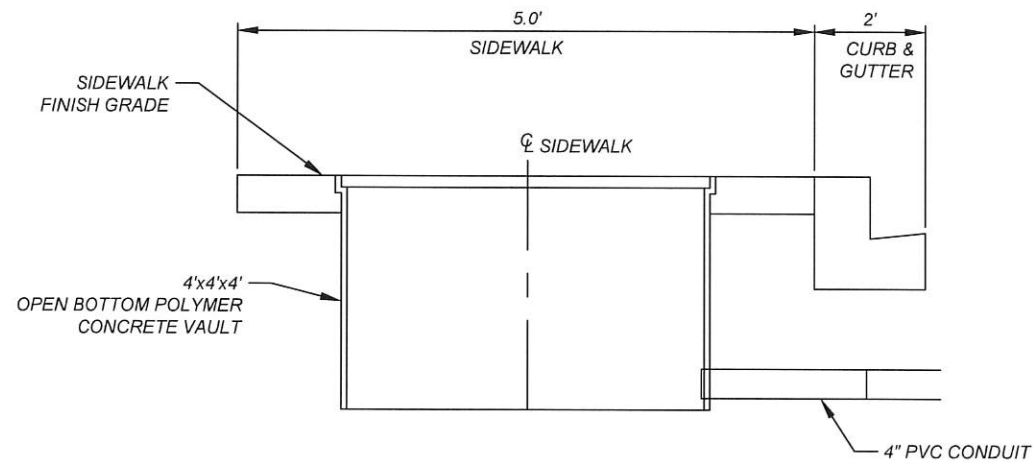
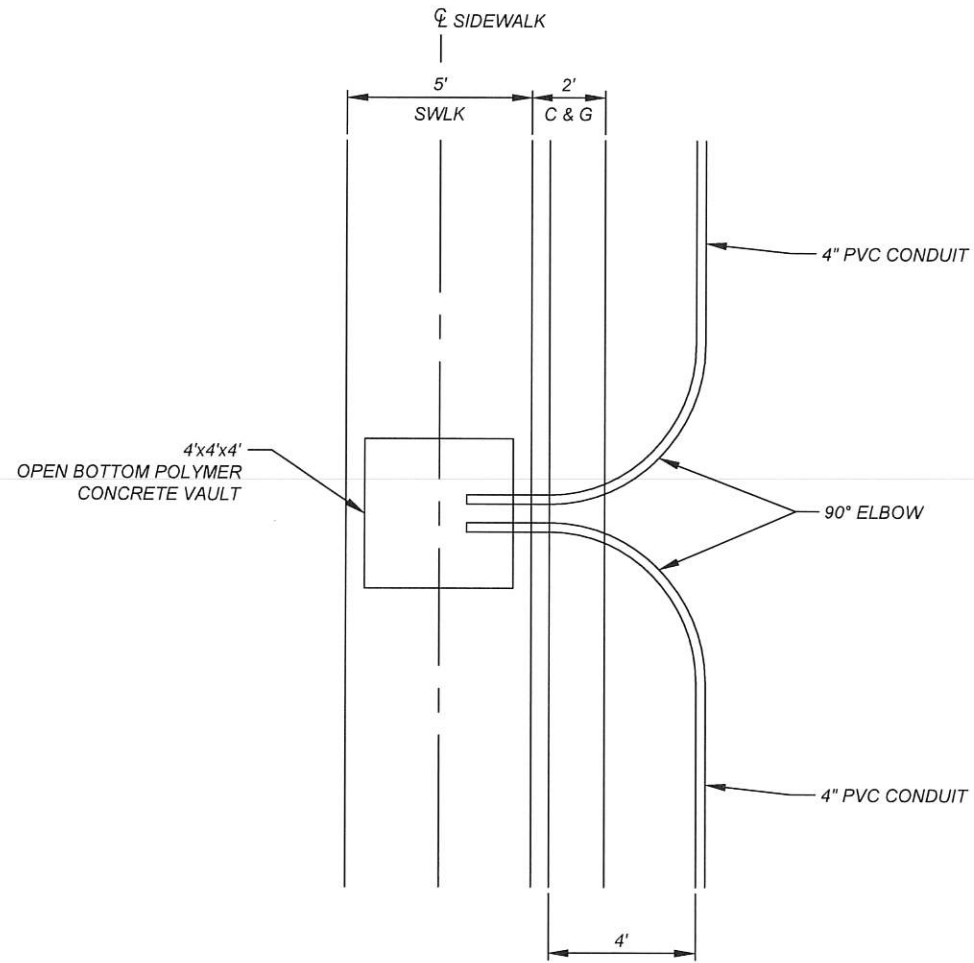
**BATHTUB ROW
RECONSTRUCTION**
 BID ALTERNATE - 3
 BROADBAND PLAN VIEW



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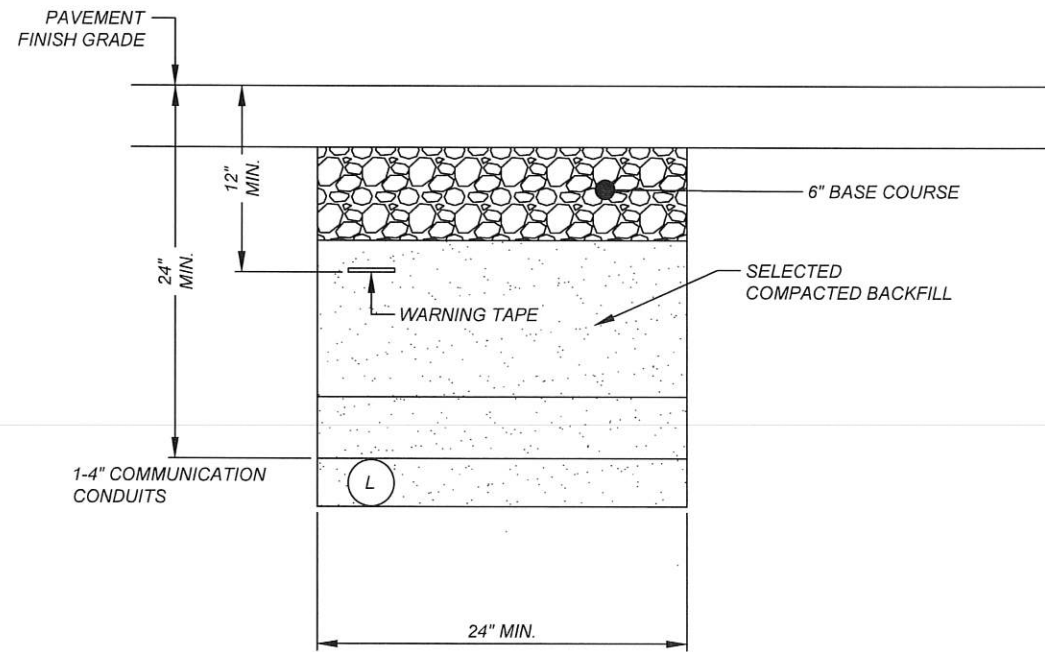
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OPEN BOTTOM POLYMER CONCRETE VAULT PLACEMENT DETAIL

NOTE: OPEN BOTTOM POLYMER CONCRETE VAULT TO BE INSTALLED ON CENTERLINE OF SIDEWALK

NTS



ATTENTION MUST BE GIVEN TO THE ORIENTATION OF CONDUITS
 PULL ROPE MUST BE INSTALLED ACCORDING TO SPECIFICATIONS.
 ELECTRIC ELBOWS TO BE PVC WITH 36" RADIUS
 COMPACTION SHALL BE 95%

ELECTRIC CONDUIT MUST DIVE TO AVOID SEPARATION CONFLICTS

NUMBER OF CONDUITS DETERMINED BY LOCATION IN DESIGN

TYPICAL TRENCH DETAIL



30 May 2024

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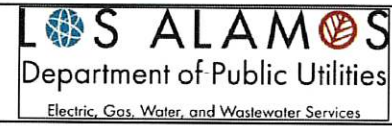
BATHTUB ROW RECONSTRUCTION
 BID ALTERNATE - 3
 BROADBAND TRENCH DETAIL



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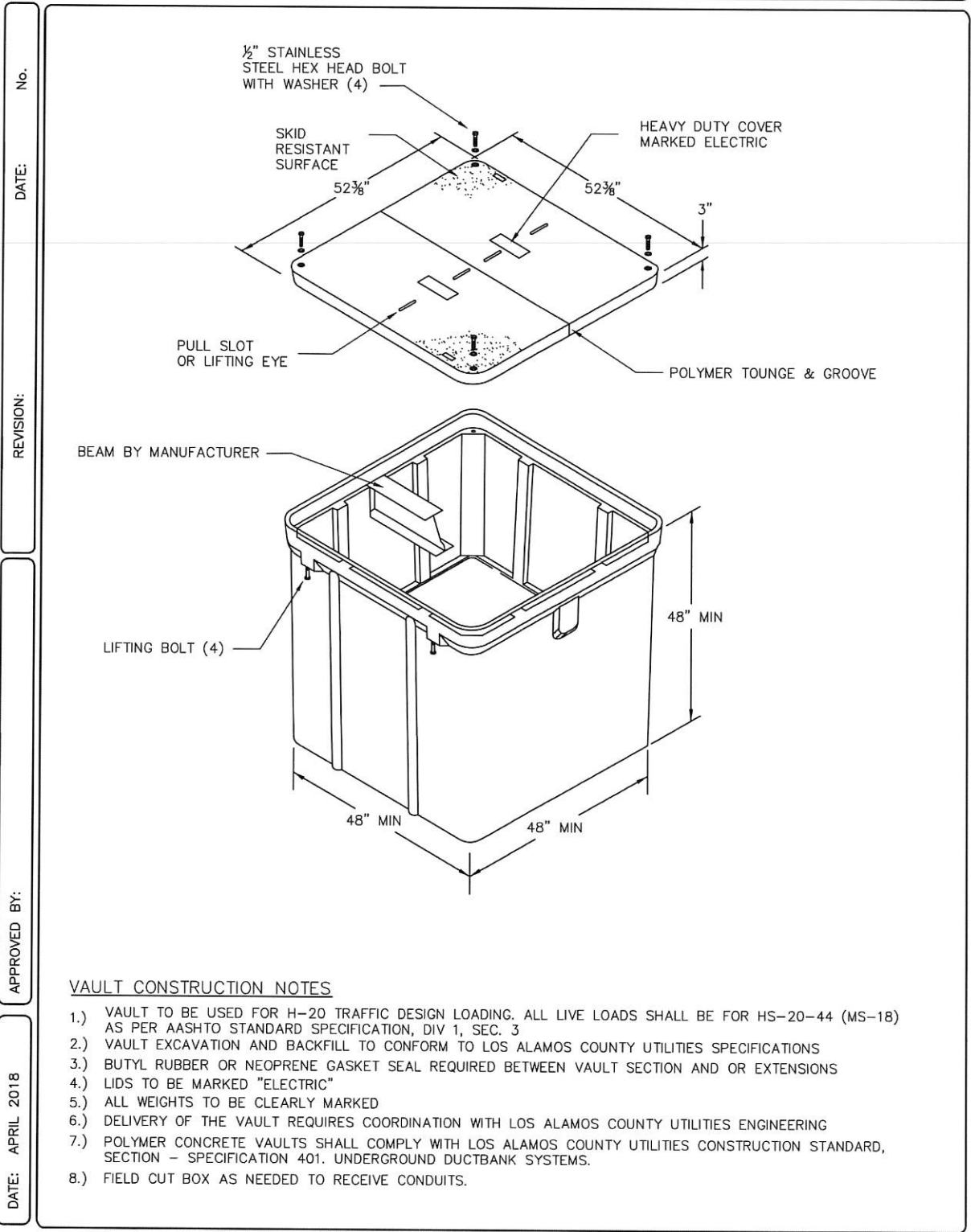
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UTILITY CONSTRUCTION STANDARDS - ELECTRIC
48" x 48" x 48"
OPEN BOTTOM POLYMER CONCRETE VAULT

SECTION
4000
4038



VAULT CONSTRUCTION NOTES

- 1.) VAULT TO BE USED FOR H-20 TRAFFIC DESIGN LOADING. ALL LIVE LOADS SHALL BE FOR HS-20-44 (MS-18) AS PER AASHTO STANDARD SPECIFICATION, DIV 1, SEC. 3
- 2.) VAULT EXCAVATION AND BACKFILL TO CONFORM TO LOS ALAMOS COUNTY UTILITIES SPECIFICATIONS
- 3.) BUTYL RUBBER OR NEOPRENE GASKET SEAL REQUIRED BETWEEN VAULT SECTION AND OR EXTENSIONS
- 4.) LIDS TO BE MARKED "ELECTRIC"
- 5.) ALL WEIGHTS TO BE CLEARLY MARKED
- 6.) DELIVERY OF THE VAULT REQUIRES COORDINATION WITH LOS ALAMOS COUNTY UTILITIES ENGINEERING
- 7.) POLYMER CONCRETE VAULTS SHALL COMPLY WITH LOS ALAMOS COUNTY UTILITIES CONSTRUCTION STANDARD, SECTION - SPECIFICATION 401. UNDERGROUND DUCTBANK SYSTEMS.
- 8.) FIELD CUT BOX AS NEEDED TO RECEIVE CONDUITS.

No. _____ DATE: _____ REVISION: _____ APPROVED BY: _____ DATE: APRIL 2018

NO.	REVISION DESCRIPTION
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 APPROVED BY: LAC
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BATHTUB ROW RECONSTRUCTION
 BID ALTERNATE - 3
 BROADBAND PULL BOX DETAIL



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KAREN L. HENDERSON
 NEW MEXICO
 17686
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 30 May 2024

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BID ALTERNATE - 3 BROADBAND

ITEM NO. 709040 RIGID ELECTRICAL CONDUIT 4" (DIA.)				
STREET	STATION	LT/RT	LIN FT.	REMARKS
BATHTUB ROW	102+50.00	RT	9.5	PULL BOX TO 90° ELBOW
BATHTUB ROW	102+50.00	RT	467	90° ELBOW TO 90° ELBOW
BATHTUB ROW	107+22.00	RT	9.5	90° ELBOW TO PULL BOX
BATHTUB ROW	107+22.00	RT	9.5	PULL BOX TO 90° ELBOW
BATHTUB ROW	107+22.00	RT	505	90° ELBOW TO 90° ELBOW
BATHTUB ROW	112+22.00	RT	7	90° ELBOW TO PULL BOX
BATHTUB ROW	112+22.00	RT	7	PULL BOX TO 90° ELBOW
BATHTUB ROW	112+22.00	RT	73	90° ELBOW TO PULL BOX
PEACH/NECTAR ST	302+44.00	LT	5	PULL BOX TO 90° ELBOW
PEACH/NECTAR ST	302+45.00	LT	142	90° ELBOW TO 90° ELBOW
PEACH/NECTAR ST	302+46.00	LT	6	PULL BOX TO 90° ELBOW
PEACH/NECTAR ST	302+46.00	LT	6	PULL BOX TO 90° ELBOW
PEACH/NECTAR ST	302+46.00	LT	48	PULL BOX TO PULL BOX
PEACH/NECTAR ST	302+46.00	LT	503	90° ELBOW TO 90° ELBOW
PEACH/NECTAR ST	307+46.00	LT	5.5	90° ELBOW TO PULL BOX
PEACH/NECTAR ST	307+46.00	LT	5.5	PULL BOX TO 90° ELBOW
PEACH/NECTAR ST	307+46.00	LT	466	90° ELBOW TO 90° ELBOW
PEACH/NECTAR ST	314+14.00	LT	6	PULL BOX TO 90° ELBOW
PROJECT TOTAL			2280.0	
PROJECT USE			2290	

BID ALTERNATE - 3 BROADBAND

ITEM NO. 710015 OPEN BOTTOM POLYMER CONCRETE VAULT				
STREET	STATION	OFFSET	EACH	REMARKS
BATHTUB ROW	102+50.00	18.18	1	ELECTRIC PULL BOX
BATHTUB ROW	107+22.00	21.30	1	ELECTRIC PULL BOX
BATHTUB ROW	112+22.00	17.24	1	ELECTRIC PULL BOX
PEACH/NECTAR ST	302+46.00	-16.00	1	ELECTRIC PULL BOX
PEACH/NECTAR ST	307+46.00	-17.37	1	ELECTRIC PULL BOX
PEACH/NECTAR ST	312+14.00	-17.51	1	ELECTRIC PULL BOX
PROJECT TOTAL			6	
PROJECT USE			6	


Karen L. Henderson
 PROFESSIONAL ENGINEER
 30 May 2024

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DESIGNED BY: LAC
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 APPROVED BY: LAC
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 SCALE: 1" = 20'

**BATHTUB ROW
RECONSTRUCTION**
 BID ALTERNATE - 3
 BROADBAND QUANTITIES



INCORPORATED COUNTY
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 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

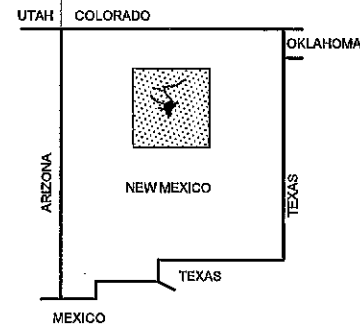
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UTILITIES IMPROVEMENTS

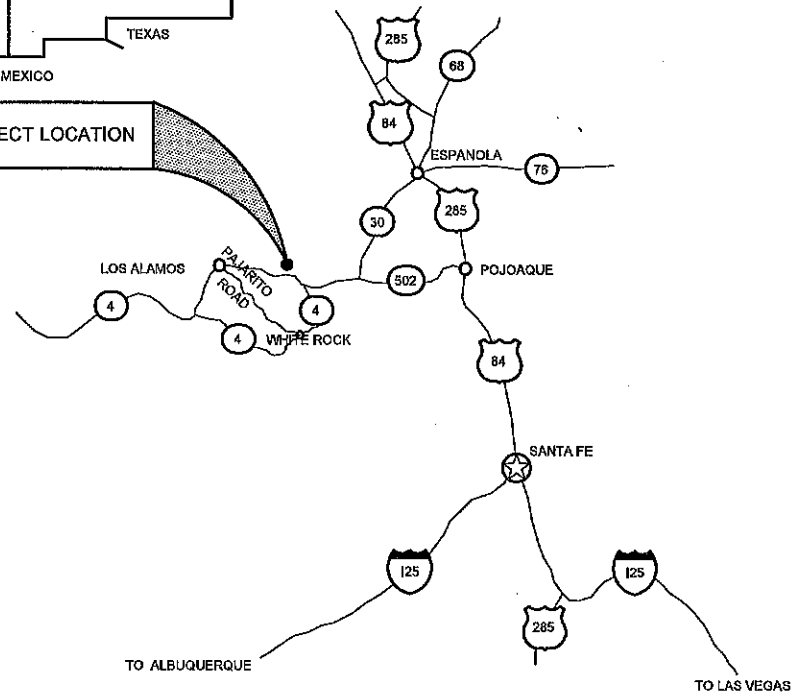
BATHTUB ROW RECONSTRUCTIONS PROJECT
 IFB-24-74
 LOS ALAMOS COUNTY - NEW MEXICO



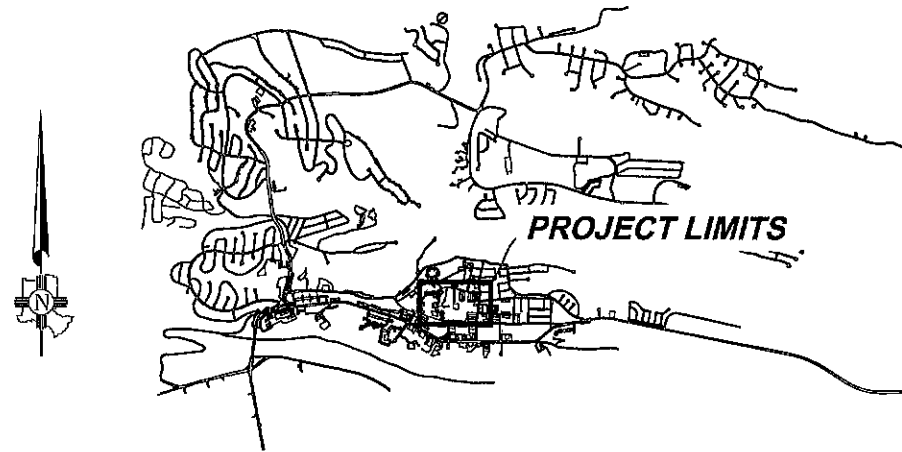
LOS ALAMOS



PROJECT LOCATION



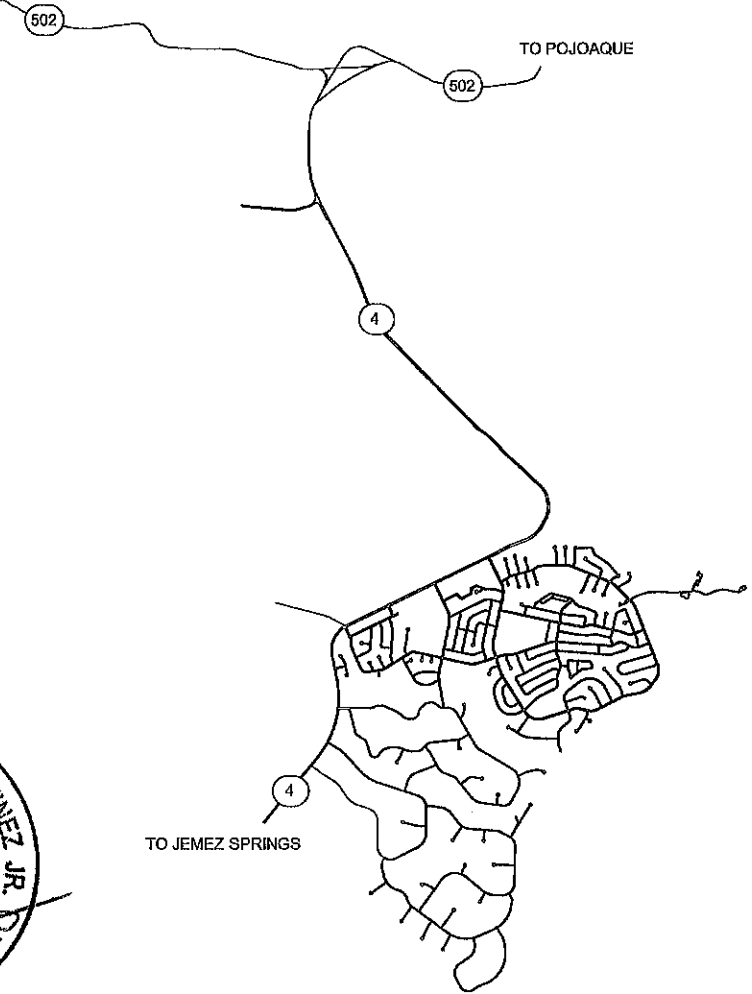
NEW MEXICO REGIONAL MAP
 NOT TO SCALE



LOS ALAMOS VICINITY MAP
 NOT TO SCALE

SHEET INDEX

	TITLE SHEET
11-02	CONSTRUCTION NOTES SHEET
11-03 TO 11-23	WATER DISTRIBUTION PLAN SHEETS
11-24 TO 11-34	WATER PRODUCTION PLAN SHEETS
11-35	SEWER DETAIL SHEETS
11-36 TO 11-38	STANDARDS SHEETS



WHITE ROCK VICINITY MAP
 NOT TO SCALE

APPROVED BY: *[Signature]* DATE 5/29/2024
 DEPARTMENT OF PUBLIC UTILITIES PROJECT ENGINEER

[Signature] DATE 5/29/2024
 DEPARTMENT OF PUBLIC UTILITIES ENGINEERING ASSOCIATE



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DEPARTMENT OF PUBLIC UTILITIES CONSTRUCTION NOTES

GENERAL

1. DEPTH OF TRENCH MAY BE DEEPER ALONG CERTAIN SEGMENTS OF PIPELINE TO CLEAR EXISTING UTILITIES AND TO AVOID THE CREATION OF HIGH POINTS ALONG THE ALIGNMENT. NO ADDITIONAL PAYMENT WILL BE MADE FOR INSTALLING PIPE DEEPER THAN MINIMUM REQUIRED DEPTH.
2. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY, AND FOR KNOWLEDGE AND COMPLIANCE WITH OSHA STANDARDS. THE CONTRACTOR SHALL MAINTAIN ALL TRENCHES IN A SAFE CONDITION PROTECTING THE WORKERS AND THE GENERAL PUBLIC. TRENCH PROTECTION SHALL BE IN ACCORDANCE WITH APPLICABLE OSHA REGULATIONS. EXCAVATION SHALL BE SLOPED, BRACED, OR SHORT AS REQUIRED BY OSHA REGULATIONS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SAFE HANDLING OF CONSTRUCTION EQUIPMENT AND MATERIALS TO AND FROM THE STAGING/STORAGE AREA AND FOR SITE SECURITY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND NO ADDITIONAL COMPENSATION SHALL BE MADE THEREFOR
3. ALL WATER, WASTEWATER, GAS AND ELECTRIC UTILITY INSTALLATIONS, RE-CONSTRUCTION OR REPAIR SHALL COMPLY WITH LOS ALAMOS COUNTY DEPARTMENT OF PUBLIC UTILITIES (DPU) CONSTRUCTION STANDARDS AND THE RELEVANT STANDARD DRAWINGS. THE CONSTRUCTION STANDARDS CAN BE FOUND AT:

<https://ladpu.com/ConstructionStandards/>

4. SUBMITTALS FOR ALL GAS, WATER, SEWER, ELECTRIC AND COUNTY OWNED COMMUNICATION INFRASTRUCTURE SHALL BE SUBMITTED TO THE DPU PROJECT MANAGER FOR REVIEW AND APPROVAL PER THE DPU STANDARD SPECIFICATIONS. SUBMITTALS SHALL INCLUDE THE COVER SHEET IN THE DPU CONSTRUCTION STANDARDS.
5. THE CONTRACTOR SHALL RETAIN THE SERVICES OF A NEW MEXICO LICENSED PROFESSIONAL SURVEYOR (NMPS), FOR CONSTRUCTION STAKING, AS WELL AS VERIFICATION OF ALL CRITICAL HORIZONTAL AND VERTICAL CONTROL DATA SHOWN ON THESE CONTRACT DRAWINGS. CONTRACTOR SHALL PROVIDE COORDINATE INFORMATION FOR ALL NEW SAS MANHOLES, WATER AND GAS VALVES, ALL BASED ON STATE PLANE COORDINATES.
6. FOR ANY WORK INVOLVING NEW WATER, GAS OR SEWER PIPELINE CONNECTING TO AN EXISTING PIPELINE, CONTRACTOR SHALL OBTAIN A PENETRATION PERMIT FROM THE COUNTY, AT LEAST 48 HOURS IN ADVANCE OF ANY SUCH WORK. THE PERMIT APPLICATION FORM FOR THIS PERMIT CAN BE FOUND AT:

<https://www.losalamosnm.us/files/sharedassets/public/v/2/departments/utilities/documents/utility-system-penetration-permit.pdf>

7. CONTRACTOR SHALL BE RESPONSIBLE FOR POTHOLING, TO DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES, PRIOR TO PERFORMING ANY EXCAVATION WORK.
8. PRIOR TO CONNECTING NEW WATER LINES INTO THE EXISTING SYSTEMS THE LOCATE WIRE SHALL BE TESTED AS FOLLOWS. CONTRACTOR WILL ENSURE THAT ALL LOCATE WIRE HAS BEEN INSTALLED AND MADE ACCESSIBLE IN ALL REQUIRED LOCATIONS. CONTRACTOR WILL VERIFY CONTINUITY IN THE LOCATE WIRE WITH THEIR OWN LOCATE EQUIPMENT. THE LOCATED LOCATION WILL BE PAINTED WITH WHITE PAINT AND DPU STAFF WILL THEN VERIFY THE LOCATION AND CONTINUITY OF THE LOCATE WIRE WITH THEIR OWN EQUIPMENT. ANY AREAS WHERE CONTINUITY IS LOST MUST BE REPAIRED AND RE-VERIFIED BY DPU STAFF TO BE LOCATEABLE. CONTRACTOR SHALL COORDINATE THE LOCATE WIRE VERIFICATION WITH DPU PROJECT MANAGER.
9. INFORMATION SPECIFICALLY STATED IN THE CONTRACT DRAWINGS, OR WHEN THE DPU PROJECT MANAGER SPECIFICALLY IDENTIFIES IN THE FIELD, CRITICAL DATA (X, Y, AND Z) RELATED TO WATER VALVES OF ALL KINDS, WATER METERS, FIRE HYDRANTS, CULVERT INLET OR OUTLET INVERTS, WASTEWATER COLLECTION MANHOLE INVERTS AND RIMS, CUSTOMER END OF WASTEWATER SERVICE CONNECTION PIPES/CLEANOUT, SHALL BE COLLECTED BY THE CONTRACTOR'S SURVEYOR FOR THE RECORD DRAWINGS TO BE COMPLETE.
10. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION OF SURVEY MONUMENTS OR MARKS. IF CONTRACTOR'S ACTIVITIES CAUSED DAMAGE TO ANY OF THESE MARKS, CONTRACTOR SHALL RETAIN, AT THEIR OWN EXPENSE, THE SERVICES OF A NMLPS, TO RE-ESTABLISH THE MARKS IN COMPLIANCE WITH STANDARDS AND PROCEDURES SET FORTH BY THE "GEODETIC MARK PRESERVATION GUIDEBOOK".
11. CONTRACTOR SHALL COMPLY WITH ALL PROVISIONS OF THE CLEAN WATER ACT, RELATED TO STORM WATERS. CONTRACTOR SHALL PREPARE, EXECUTE AND MAINTAIN A STORM WATER POLLUTION PREVENTION PLAN (SWPPP), IF THE AREA DISTURBED BY THE CONSTRUCTION OPERATIONS IS ONE ACRE OR MORE IN SIZE. COSTS ASSOCIATED WITH CLEAN WATER ACT COMPLIANCE, INCLUDING BMP'S, SHALL BE INCIDENTAL TO THE PROJECT'S COST.
12. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE COSTS OF REPAIRING ANY DAMAGE OR ALTERATIONS CAUSED DURING EXECUTION OF THIS PROJECT, TO THE ORIGINAL CONDITION OF THIRD PARTY'S PROPERTY (E.G. STRUCTURES, EXISTING UTILITIES OR UTILITY EASEMENTS) LOCATED WITHIN OR OUT OF THE PROJECT BOUNDARIES.
13. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE PROTECTION OF ALL PROJECT-RELATED MATERIALS OR EQUIPMENT, BEFORE INSTALLATION, UNTIL FINAL WRITTEN ACCEPTANCE APPROVAL OF THE PROJECT BY THE DPU PROJECT MANAGER AND THE COUNTY.

14. ALL MATERIAL QUALITY TESTS SHALL BE PERFORMED BY A RECOGNIZED LABORATORY. SUCH A LABORATORY SHALL BE OPERATED UNDER THE AUSPICES/DIRECTION OF AN NMPE. NAME AND CONTACT OF THE LABORATORY SHALL BE SUBMITTED BY THE CONTACTOR TO THE DPU PROJECT MANAGER AS SOON AS PRACTICAL AFTER THE CONTRACTOR'S RECEIPT OF THE NOTICE TO PROCEED.
15. CONTRACTOR SHALL PROVIDE THE INSTALLATION AND MAINTENANCE OF ANY NECESSARY TRAFFIC CONTROL DEVICES AS OTHERWISE REQUIRED BY LOS ALAMOS COUNTY TRAFFIC MANAGER. TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MOST CURRENT EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), BUT MAY BE REVISED UNDER WRITTEN DIRECTION FROM THE COUNTY TRAFFIC ENGINEER.
16. CONTRACTOR SHALL NOTIFY THE DPU PROJECT MANAGER, AT LEAST FIVE (5) DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT THE OPERATION OF THE PUBLIC UTILITY SYSTEMS (WATER, WASTEWATER, GAS AND ELECTRIC).
17. ALL STRUCTURAL OR UTILITY TRENCH FILL OR BACKFILL SHALL BE FREE OF VEGETATION AND DEBRIS AND CONTAIN NO ROCKS LARGER THAN 3-INCHES.
18. ALL AREAS DISTURBED BY THE CONSTRUCTION ACTIVITIES OF THIS PROJECT, INCLUDING PRIVATE LANDSCAPING, SHALL BE RESTORED.

WATER PIPELINES

1. THE PIPELINE SHALL BE SUPPLIED AND INSTALLED IN STRICT COMPLIANCE WITH THE DEPARTMENT OF PUBLIC UTILITIES CONSTRUCTION STANDARDS. CONTRACTOR SHALL NOTIFY THE DPU PROJECT MANAGER IMMEDIATELY UPON ENCOUNTERING FILED CONDITIONS THAT MAY REQUIRE DEVIATIONS FROM THESE STANDARDS.
2. CONTRACTOR SHALL INSTALL PIPELINE SO THAT HIGH POINTS ARE NOT CREATED, UNLESS SPECIFICALLY SHOWN ON APPROVED CONSTRUCTION DRAWINGS. THE PIPE SHALL BE PLACED WITH A UNIFORM GRADE, NO VERTICAL BENDS ARE ALLOWED.
3. MINIMUM BURY SHALL BE 48 INCHES FOR MAINS AND 36 INCHES FOR SERVICE LINES, AT ALL POINTS ALONG THE ALIGNMENT.
4. ALL FIRE HYDRANTS SHALL BE INSTALLED WITH A MINIMUM 4-FOOT HORIZONTAL CLEARANCE ALL AROUND THEM.
5. CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE DISINFECTION, CHLORINATION, CHLORINE RESIDUAL TESTING, AND HYDROSTATIC (PRESSURE) TESTING OF ALL WATER PIPES INSTALLED. PRESSURE TEST SHALL BE DOCUMENTED ON FORM INCLUDED IN STANDARD SPECIFICATION. DPU PROJECT MANAGER SHALL WITNESS ALL SUCH TESTING.

SANITARY SEWER PIPELINES

1. PARALLEL PUBLIC WATER AND SANITARY SEWER LINES SHALL HAVE A MINIMUM HORIZONTAL CLEARANCE (SEPARATION BETWEEN THEM) OF 10 FEET, PLUS A VERTICAL CLEARANCE OF 1 FEET, WHEREVER WATER AND SAS LINES CROSS. WATER LINES SHALL ALWAYS BE ABOVE THE SAS LINE, UNLESS OTHERWISE AUTHORIZED BY OWNER, IN RESPONSE TO PREVIOUSLY UNKNOWN. SPECIFIC REQUIREMENTS FOR SUCH A NON-STANDARD INSTALLATION SHALL BE ESTABLISHED BY THE DPU PROJECT MANAGER.
2. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PERFORMING OR COORDINATING PRESSURE TEST OF ALL GRAVITY-FLOW SEWER LINES, AS WELL AS THEIR TELEVISION INSPECTION, PRIOR TO INSTALLING ANY PAVEMENT OR ASPHALT ABOVE THE SEWER LINE.
3. ALL GRAVITY SEWER LINE SEGMENTS BETWEEN MANHOLES, INCLUDING ANY SAS SERVICE LINES WITHIN THE SEWER UTILITY CORRIDOR, SHALL BE FLUSHED, TELEVISED AND PRESSURE-TESTED BY THE CONTRACTOR BEFORE THEIR INSTALLATION CAN BE DEEMED COMPLETE BY THE DPU PROJECT MANAGER.
4. CONTRACTOR SHALL REVIEW INSPECTION TAPES IN DETAIL, TO IDENTIFY ANY DEFICIENCIES AND CORRECT THEM AS NECESSARY, PRIOR TO SUBMITTING TAPES TO OWNER. ALL VIDEO TAPES SHALL BE FILMED AND ASSEMBLED IN SEQUENTIAL ORDER AND BE PROPERLY LABELED. LINES AND MANHOLES SHALL BE IDENTIFIED BY THE NAMES AND STATIONING GIVEN IN THE APPROVED CONSTRUCTION DRAWINGS. VIDEO TAPES SHALL BE SUBMITTED TO THE DPU PROJECT MANAGER FOR REVIEW PRIOR TO OWNER ACCEPTANCE OF THE SEWER INSTALLATION.
5. SANITARY SEWER MAINS SHALL BE PVC SDR 35, INSTALLED ON CLASS BEDDING OR BETTER, PER THE TRENCH DETAIL IN DPU CONSTRUCTION STANDARDS. ALL SEWER MAINS SHALL HAVE 8-INCH MINIMUM DIAMETER.
6. PRESSURE TESTING OF GRAVITY SAS SHALL BE PERFORMED BY PRESSURIZING THE LINES TO 5 PSI, AND VERIFYING NO PRESSURE LOSS OCCURS UPON HOLDING THE PRESSURE FOR A PERIOD OF ONE HOUR. PRESSURE TEST SHALL BE DOCUMENTED ON FORM INCLUDED IN STANDARD SPECIFICATION.
7. SANITARY SEWER CONNECTIONS ON NEW SEWER MAINS SHALL BE MADE OF SDR-35 GASKETED WYES. MECHANICALLY-STRAPPED SADDLE-TYPE TEES CAN BE USED ONLY WHEN APPROVED BY DPU PROJECT MANAGER.
8. IF OVER-EXCAVATION OCCURS DURING THE COURSE OF THE WORK, CONTRACTOR SHALL REMEDY AND REPAIR, AT THE CONTRACTOR'S EXPENSE, BY INSTALLING AND COMPACTING CLASSIFIED FILL IN COMPLIANCE WITH CLASS-D BEDDING OR BETTER.
9. CONTRACTOR SHALL OBTAIN ONE SET OF BACKFILL DENSITY TESTS PER STANDARD SPECIFICATION 202 EXCAVATION, TRENCHING AND BACKFILL SECTION 3.6.
10. CONTRACTOR SHALL ARRANGE FOR TEST RESULTS TO BE SUBMITTED BY THE LABORATORY DIRECTLY TO THE DPU PROJECT MANAGER.

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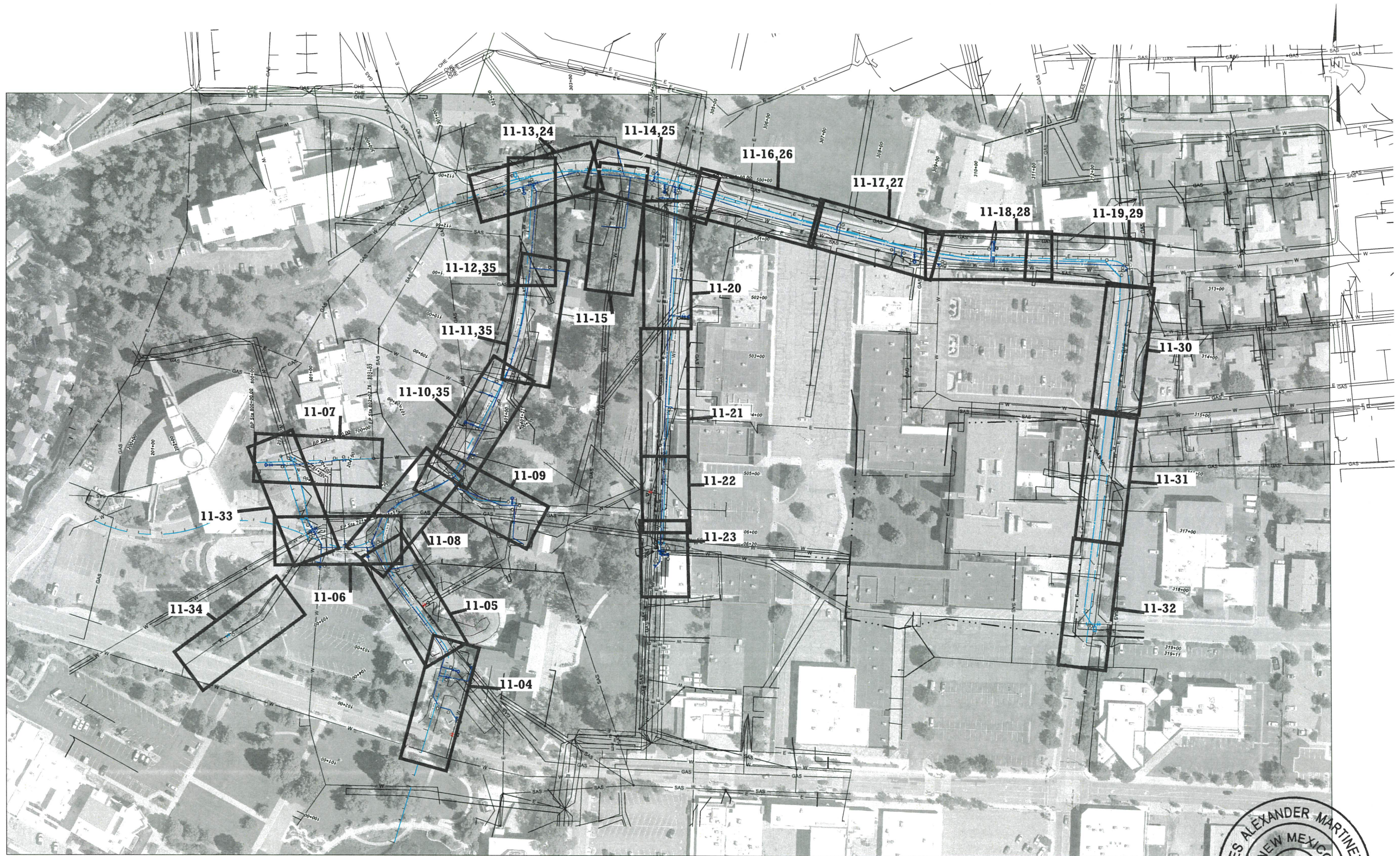
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DESIGNED BY:	CAA
DRAWN BY:	CAA
APPROVED BY:	JM
DATE:	5/10/2024
SCALE:	N/A

**BATHUB ROW
RECONSTRUCTION PROJECT
CONSTRUCTION NOTES**



INCORPORATED COUNTY
OF LOS ALAMOS
PUBLIC WORKS DEPARTMENT
1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109



NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JIM
 DATE: 5/10/2024
 SCALE: N/A

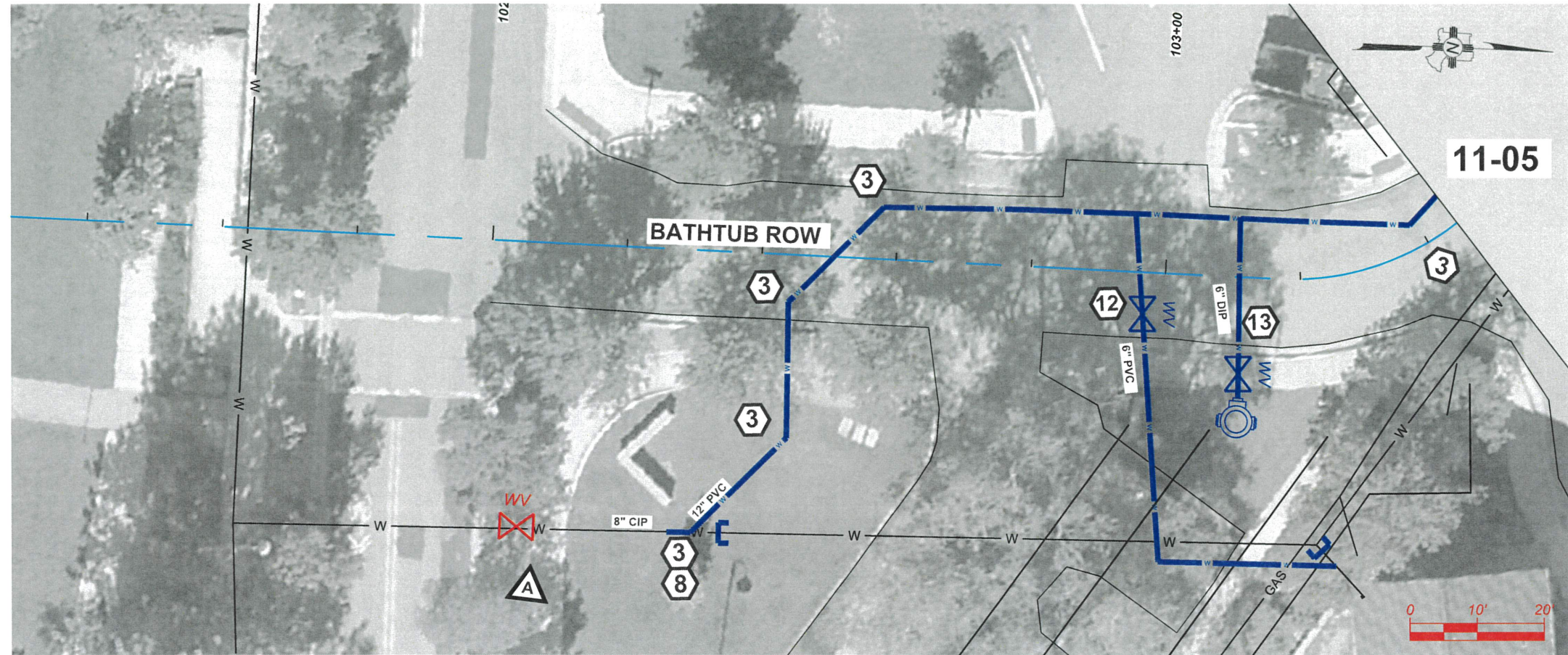
**BATH TUB ROW
 RECONSTRUCTION PROJECT**
 OVERVIEW



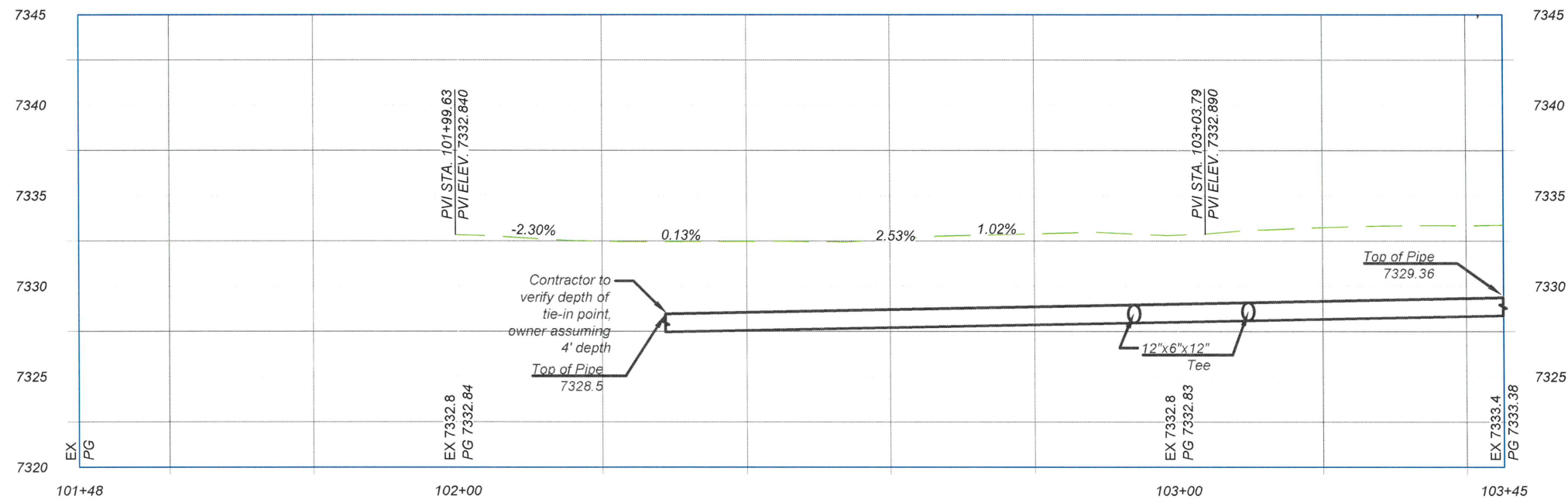
INCORPORATED COUNTY
 OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-03

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NEW 12" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
 GENERAL

- 1. REDUCER
 - 2. TEE
 - 3. 45° FITTING
 - 4. 22.5° FITTING
 - 5. 11.25° FITTING
 - 6. VALVE WITH VALVE BOX
 - 7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 10. 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
 - 11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 - 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
 - 13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 - 14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 - 15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 - 16. 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
 - 17. 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
 - 18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 - 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
 - 20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 - 21. CAP
 - 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1
- SERVICES**
- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT
- OTHER**

GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.



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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1"=20' XREF

BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION PLANS
BATH TUB ROW

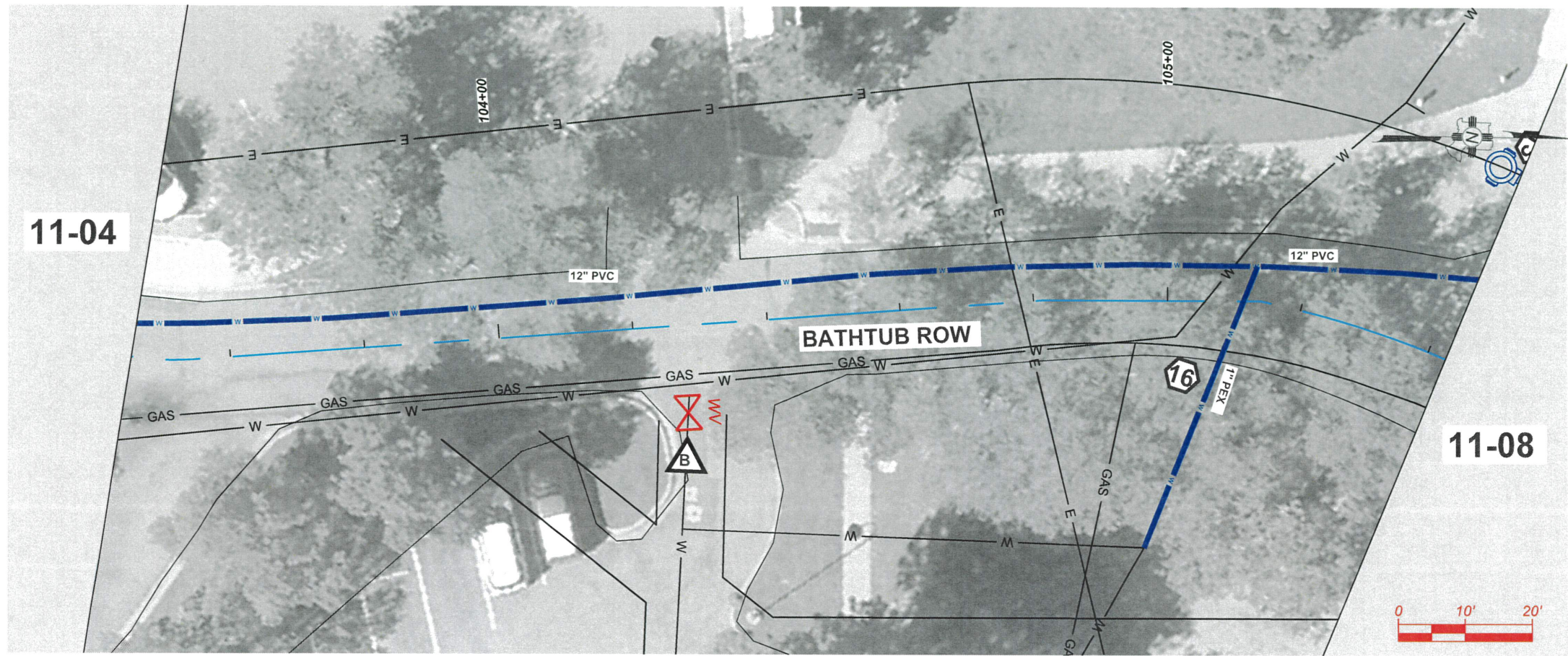


INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
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 LOS ALAMOS, NEW MEXICO 87544
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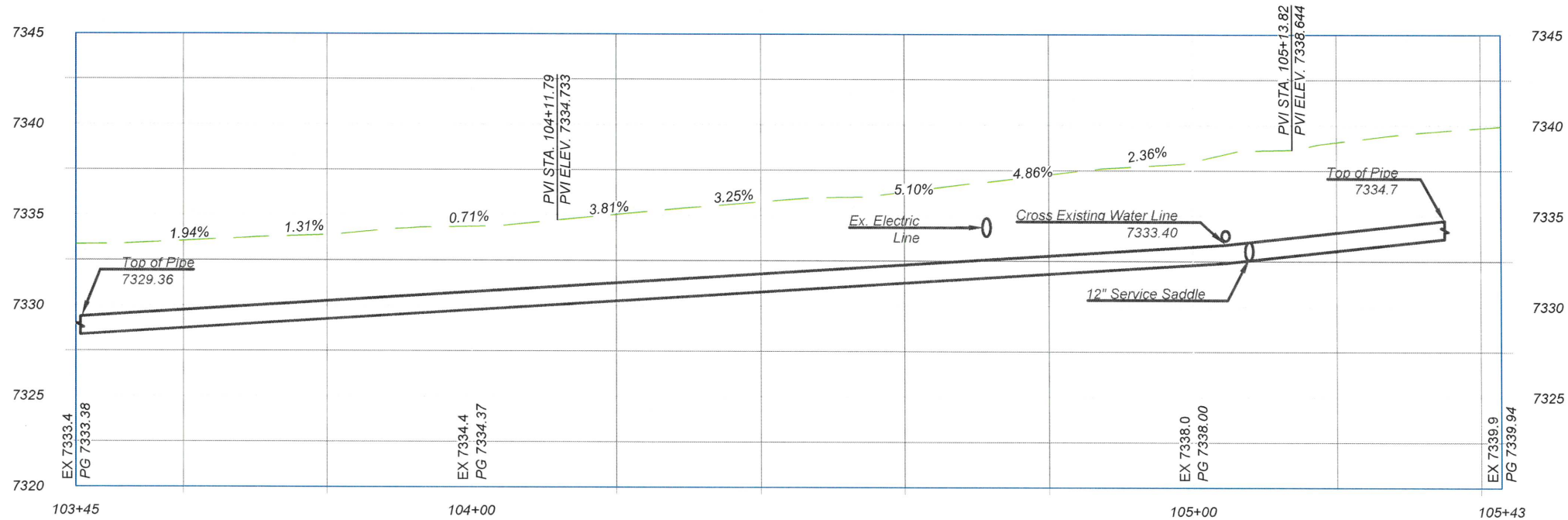
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NEW 12" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



KEYNOTES
INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
GENERAL

1. REDUCER
 2. TEE
 3. 45° FITTING
 4. 22.5° FITTING
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 6. VALVE WITH VALVE BOX
- TIE-INS
7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
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 10. 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
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 18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER
20. REMOVE EXISTING 14"X6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 21. CAP
 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

- ▲ EXISTING CONDITION ▲
- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

GENERAL NOTE
EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.



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DESIGNED BY: CAA
DRAWN BY: CAA
APPROVED BY: JM
DATE: 5/10/2024
SCALE: 1"=20' XREF

BATH TUB ROW RECONSTRUCTION PROJECT
WATER DISTRIBUTION PLANS
BATH TUB ROW

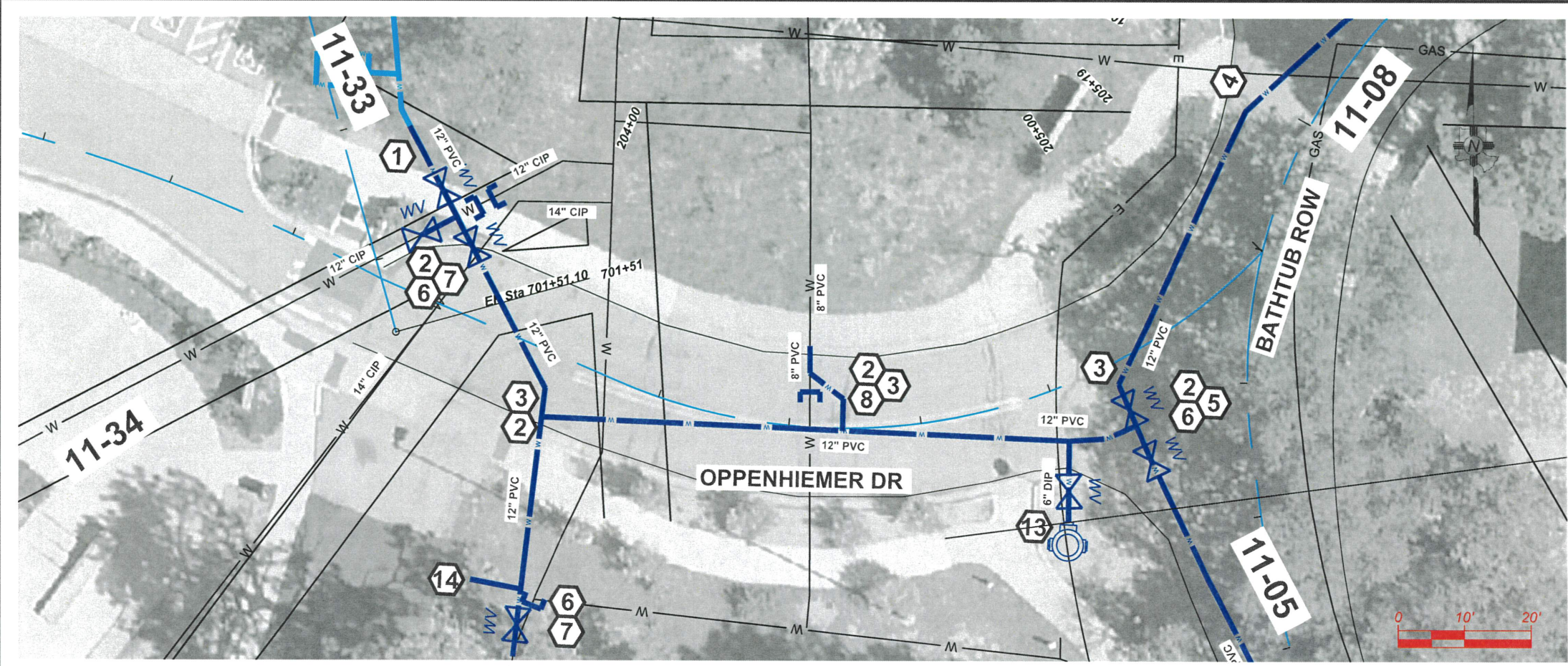


INCORPORATED COUNTY OF LOS ALAMOS
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1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109

SHEET
11-05

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- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38 GENERAL
- 1. REDUCER
 - 2. TEE
 - 3. 45° FITTING
 - 4. 22.5° FITTING
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 - 6. VALVE WITH VALVE BOX
- TIE-INS**
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 - 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
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 - 16. 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
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 - 18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 - 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER**
- 20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 - 21. CAP
 - 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1
- EXISTING CONDITION**
- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT
- GENERAL NOTE**
- EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.

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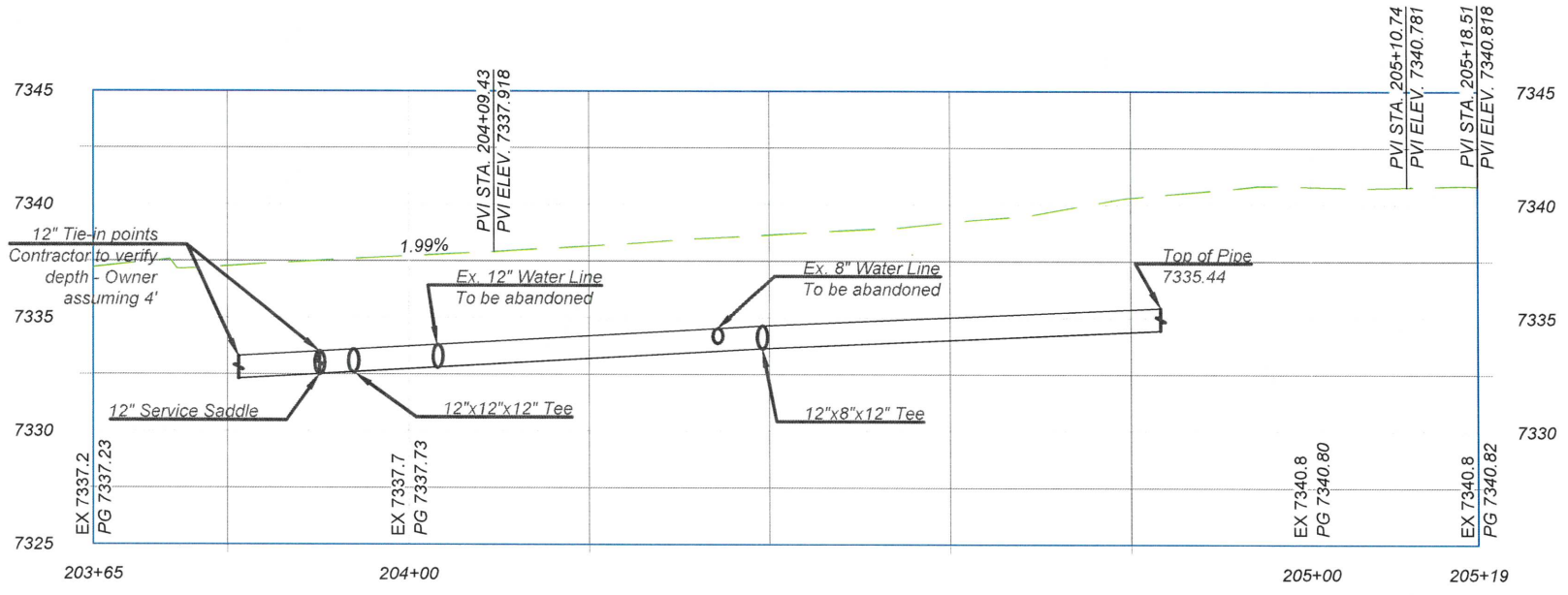
DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JIM
 DATE: 5/10/2024
 SCALE: 1:20 XREF

BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION LINE
 OPPENHEIMER AND
 PARKING LOT

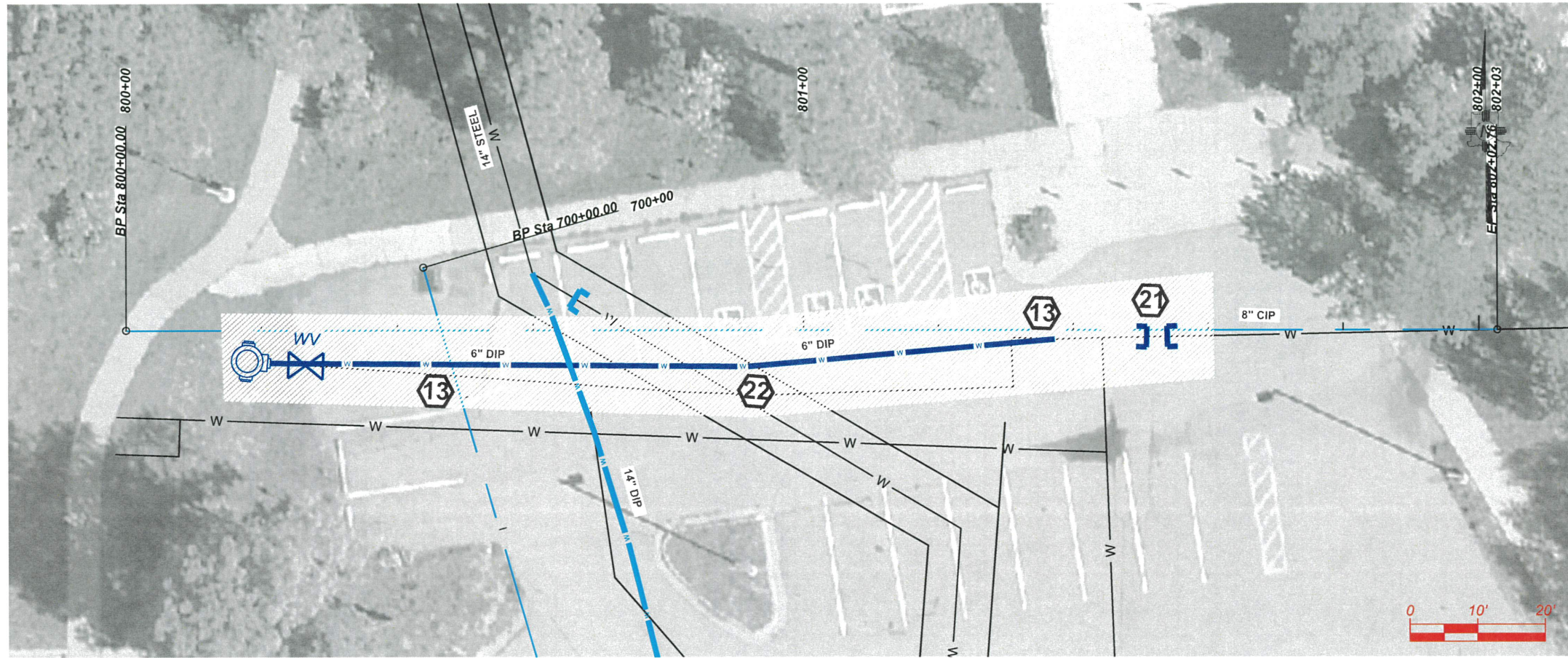


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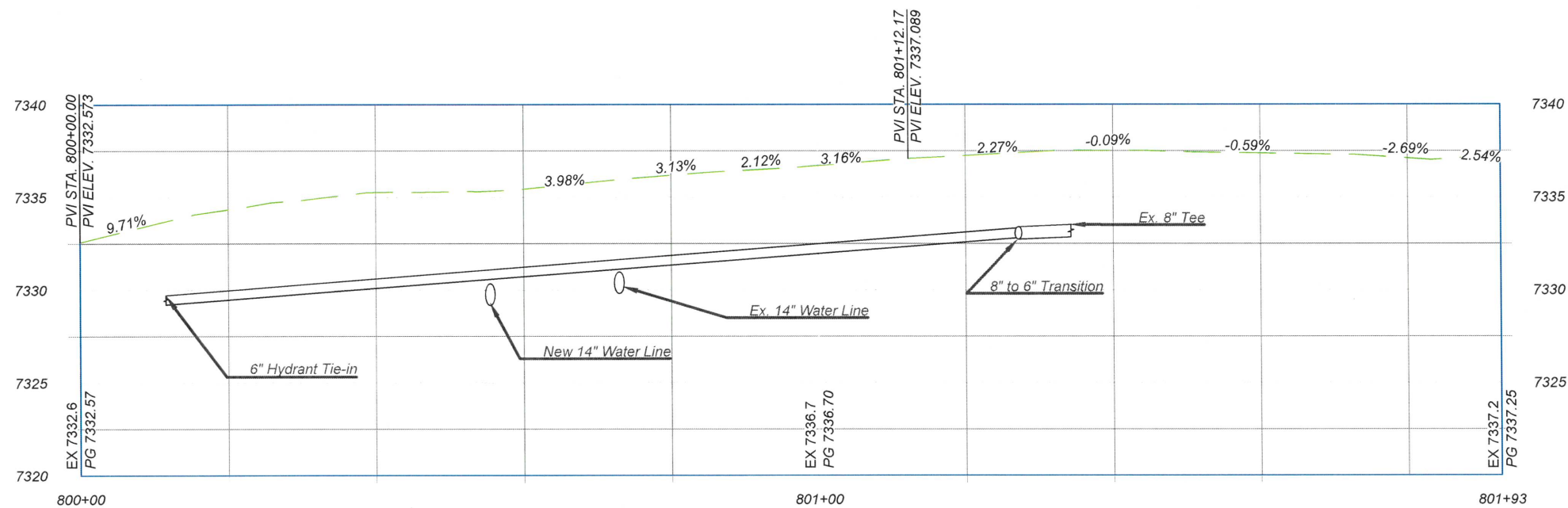
NEW 12" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



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NEW HYDRANT PROFILE - CONTRACTOR TO VERIFY TIE-IN LOCATIONS



KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
GENERAL

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- TIE-INS**
7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 10. 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
 11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
- SERVICES**
13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 16. 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
 17. 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
 18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER**
20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 21. CAP
 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

- EXISTING CONDITION**
- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

GENERAL NOTE

EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.



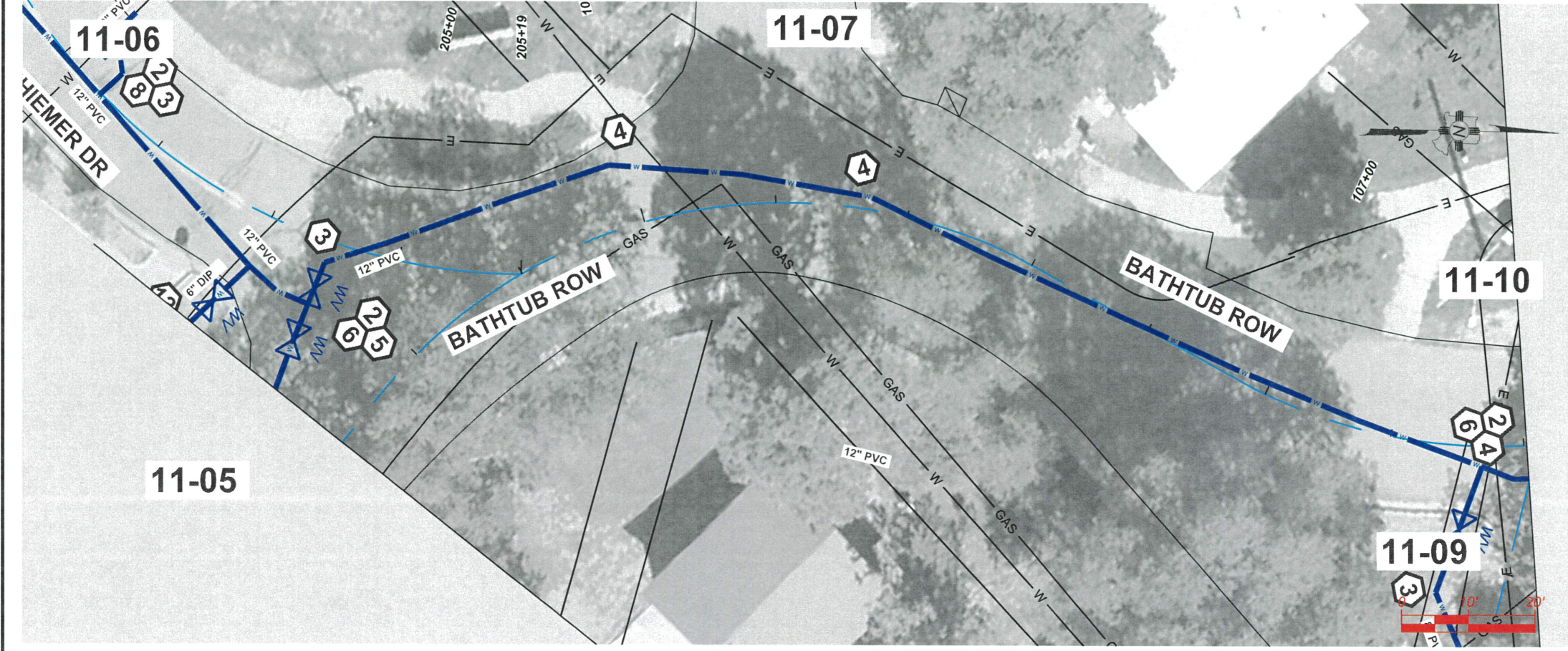
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DESIGNED BY:	CAA
DRAWN BY:	CAA
APPROVED BY:	JM
DATE:	5/10/2024
SCALE:	1:20 XREE

BATHTUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION PLANS
 SENIOR CENTER- BATHTUB



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109



KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
GENERAL

1. REDUCER
 2. TEE
 3. 45° FITTING
 4. 22.5° FITTING
 5. 11.25° FITTING
 6. VALVE WITH VALVE BOX
- TIE-INS**
7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 10. 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
 11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE

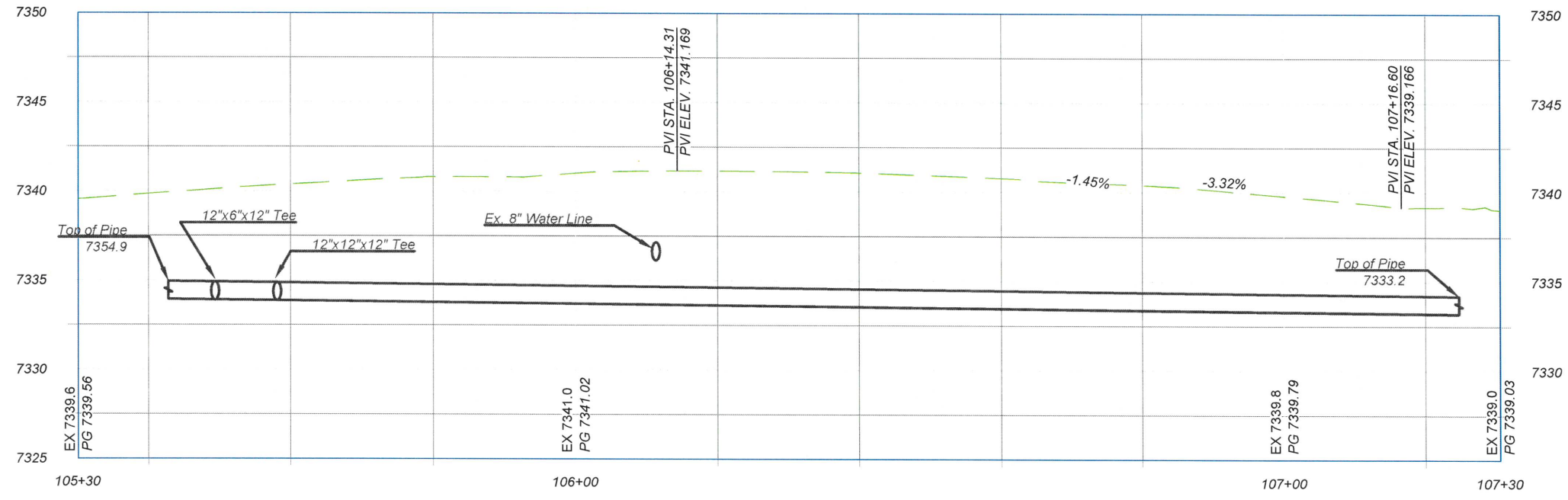
- SERVICES**
13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 16. 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
 17. 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
 18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER**
20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 21. CAP
 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

- EXISTING CONDITION**
- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.



NEW 12" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



Drawing File: L:\PROJECTS\FEB 2025\XX BATH TUB ROW\CONNECTAR RECON\03_DESIGN\CAD_DWG\SHEETS\BATH TUB ROW.DWG

NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1"=20' XREF

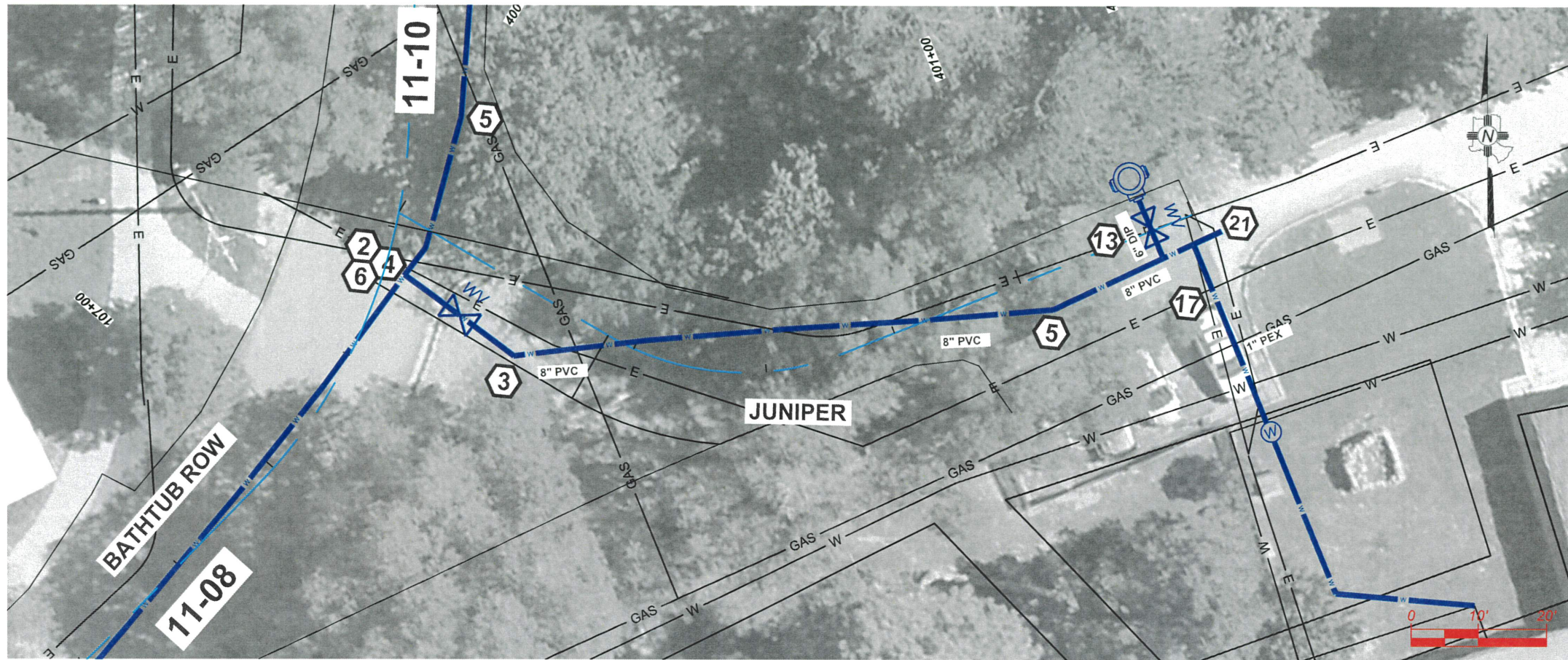
BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION PLANS
 BATH TUB ROW



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-08

Drawing File: L:\PROJECTS\FEB 2025 XX BATH TUB ROW\RECON03_DESIGN\CAD_DWG\SHEETS\JUNIPER.DWG

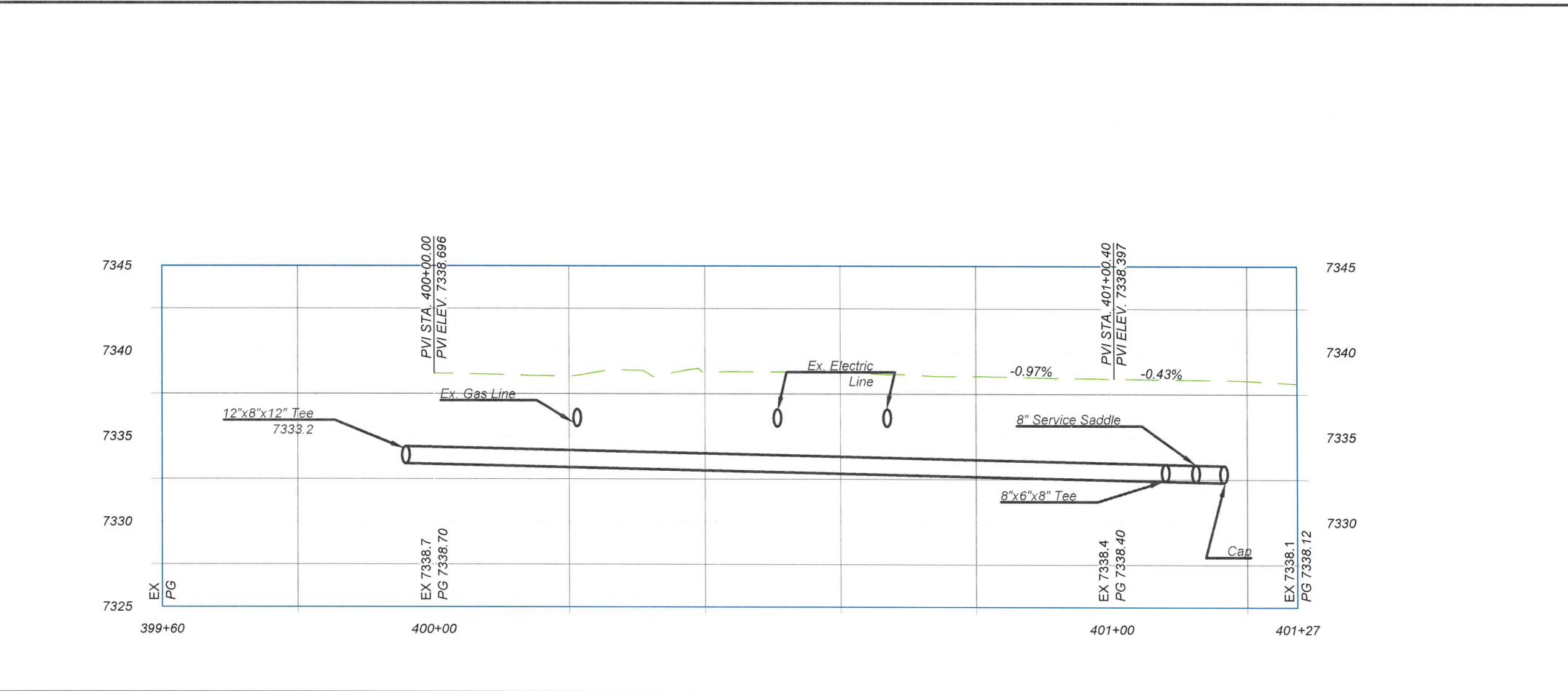


KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
 GENERAL

1. REDUCER
2. TEE
3. 45° FITTING
4. 22.5° FITTING
5. 11.25° FITTING
6. VALVE WITH VALVE BOX
- TIE-INS
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12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
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19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER
20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
21. CAP
22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

- ▲ EXISTING CONDITION ▲
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NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1"=20' XREF

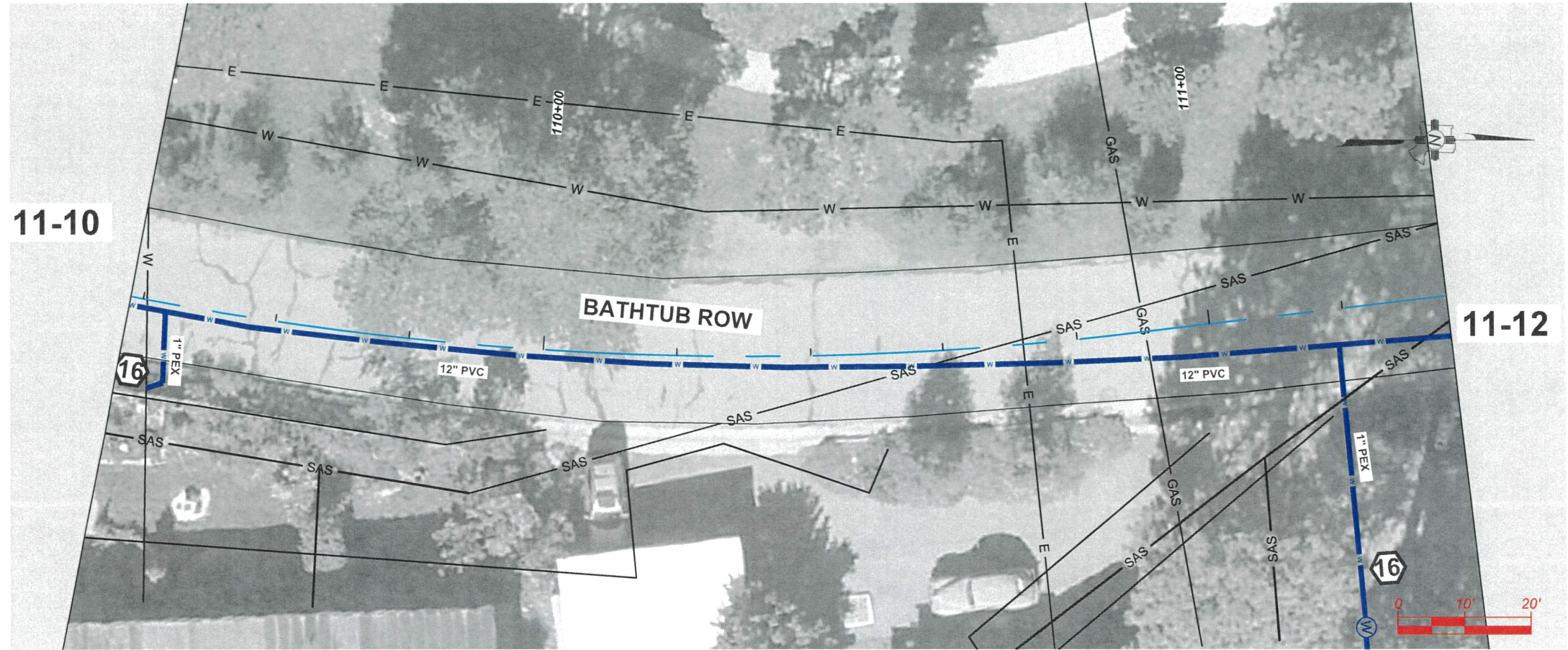
BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION LINE
 JUNIPER LINES



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
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 LOS ALAMOS, NEW MEXICO 87544
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SHEET
 11-09

Drawing File: L:\PROJECTS\IFB 2025\XX BATH TUB ROW\NECTAR RECON03_DESIGN\CAD_DWG\SS\SHETS\BATH TUB ROW.DWG



KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38 GENERAL

- 1. REDUCER
- 2. TEE
- 3. 45° FITTING
- 4. 22.5° FITTING
- 5. 11.25° FITTING
- 6. VALVE WITH VALVE BOX
- 7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- 8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- 9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- 10. 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
- 11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
- 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE

- 13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
- 14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
- 15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
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- 17. 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
- 18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
- 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- 20. REMOVE EXISTING 14"X6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
- 21. CAP
- 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
- B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

GENERAL NOTE
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NO.	REVISION DESCRIPTION
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DESIGNED BY:	CAA
DRAWN BY:	CAA
APPROVED BY:	JM
DATE:	5/10/2024
SCALE:	1"=20' XREF

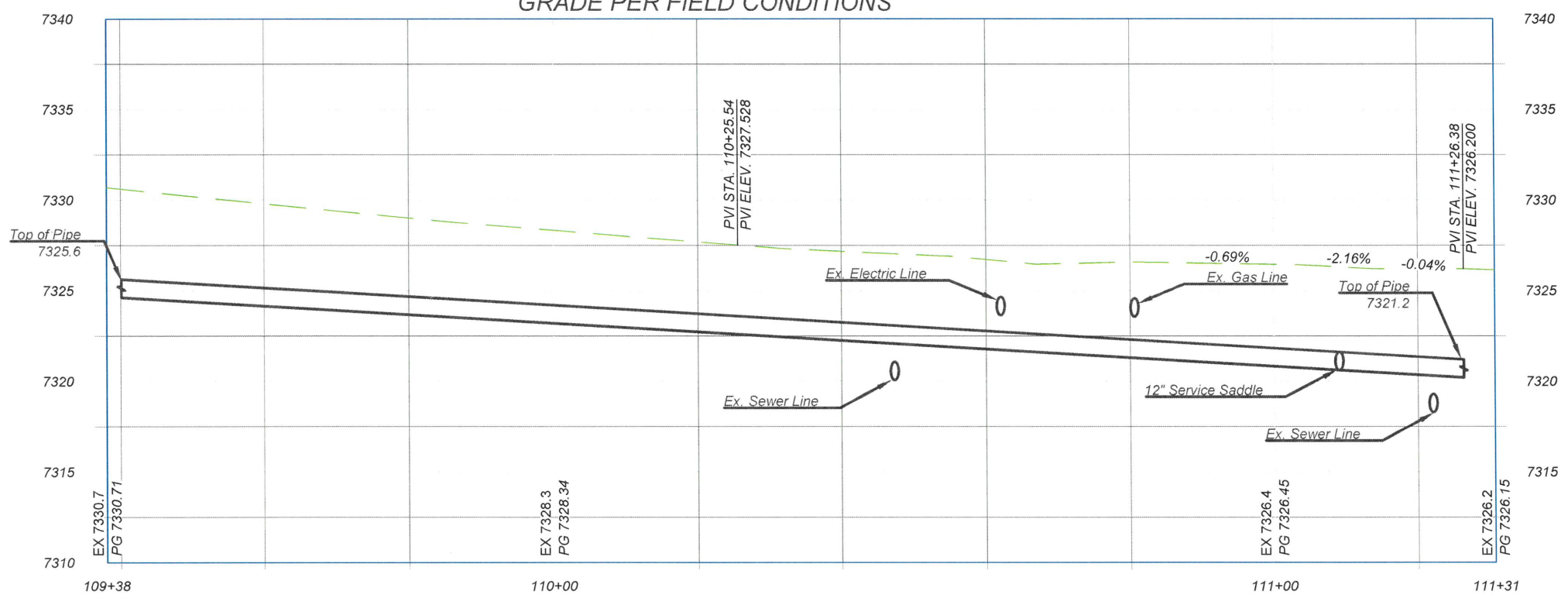
BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION PLANS
 BATHTUB ROW



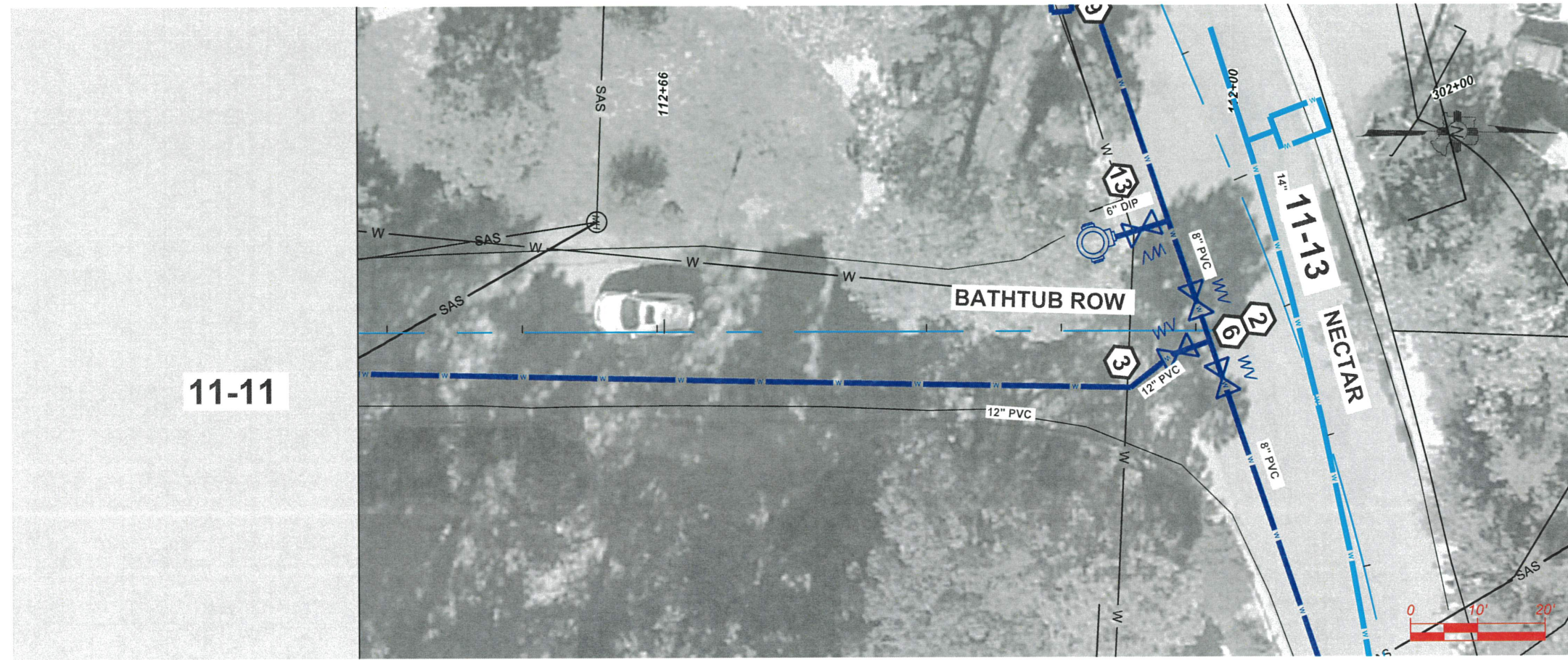
INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-11

NEW 12" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



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- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38 GENERAL
1. REDUCER
 2. TEE
 3. 45° FITTING
 4. 22.5° FITTING
 5. 11.25° FITTING
 6. VALVE WITH VALVE BOX
 7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 10. 8" TIE IN TO EXISTING 6" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
 13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
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 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
 20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 21. CAP
 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1
- SERVICES**
- OTHER**
- GENERAL NOTE**
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.

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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JIM
 DATE: 5/10/2024
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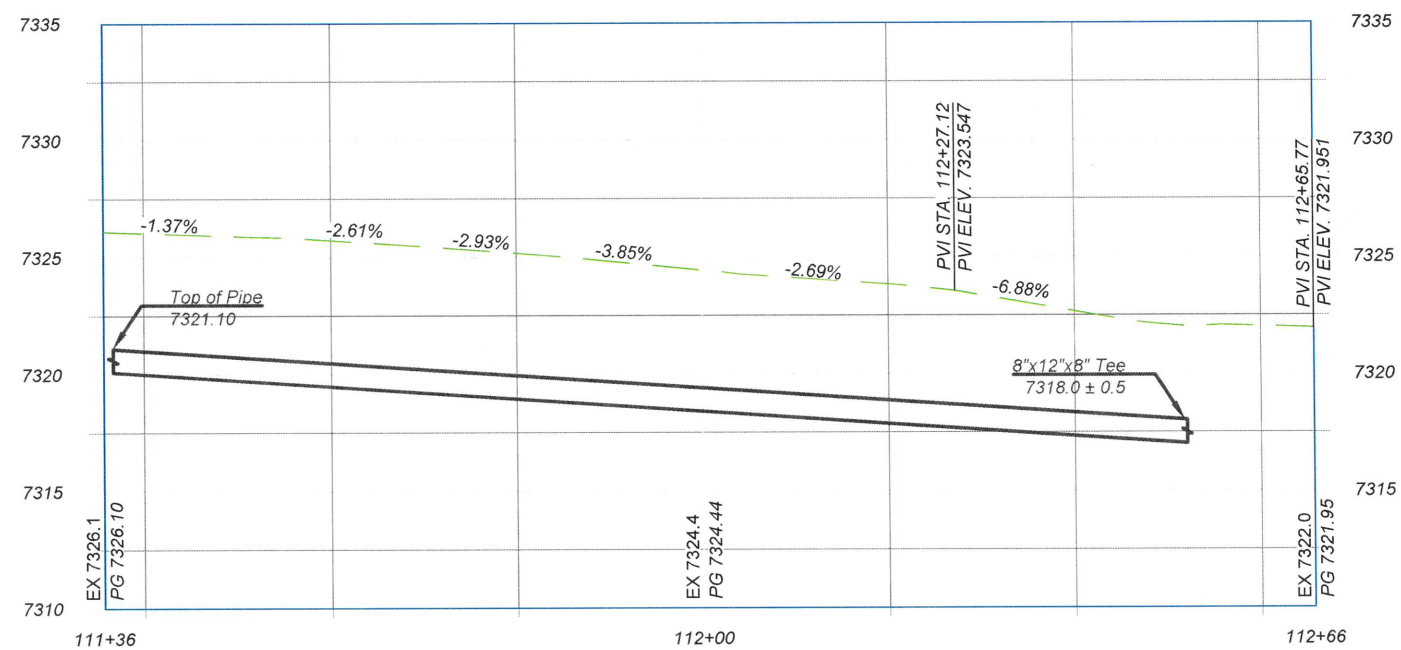
BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION PLANS
 BATH TUB ROW

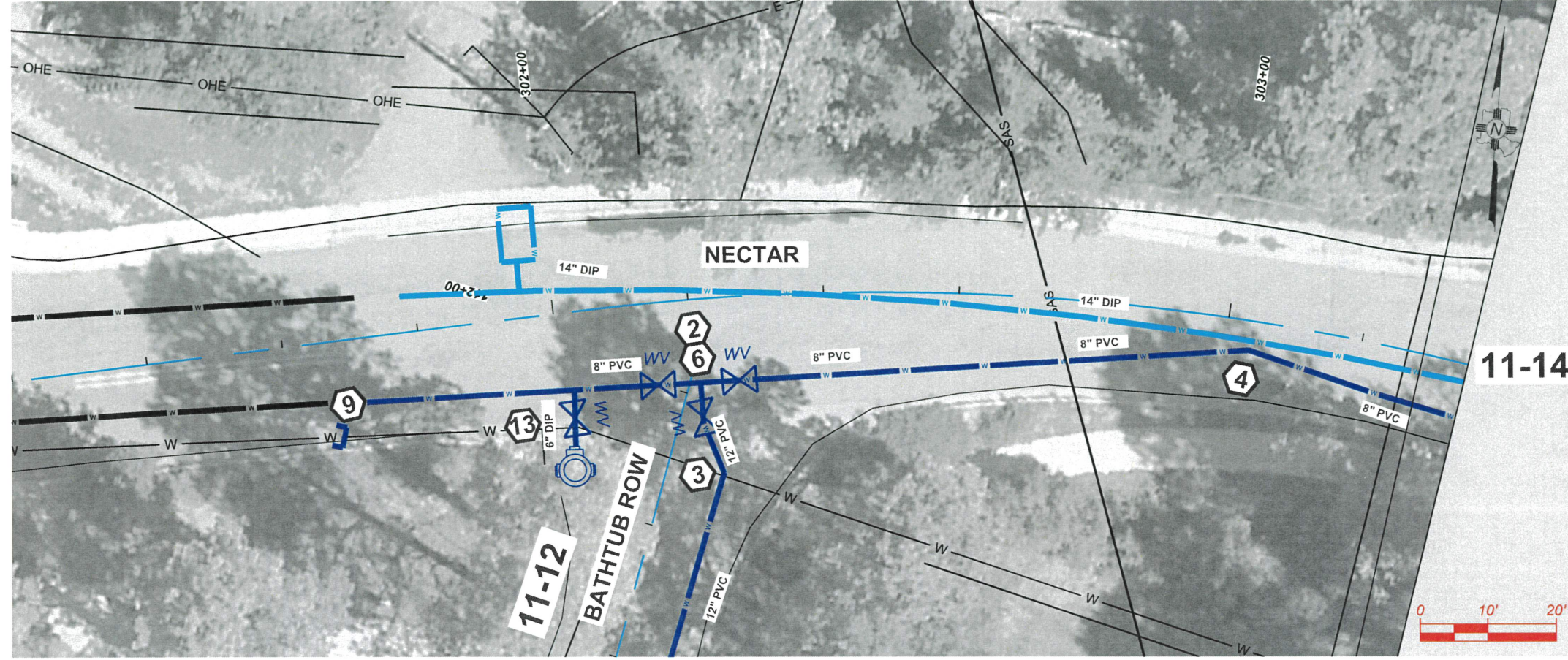


INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-12

NEW 12" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS





KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
 GENERAL

1. REDUCER
2. TEE
3. 45° FITTING
4. 22.5° FITTING
5. 11.25° FITTING
6. VALVE WITH VALVE BOX
- TIE-INS
7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
10. 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
- SERVICES
13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
16. 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
17. 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER
20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
21. CAP
22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1
- EXISTING CONDITION
- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
- B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

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 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1"=20' XREF

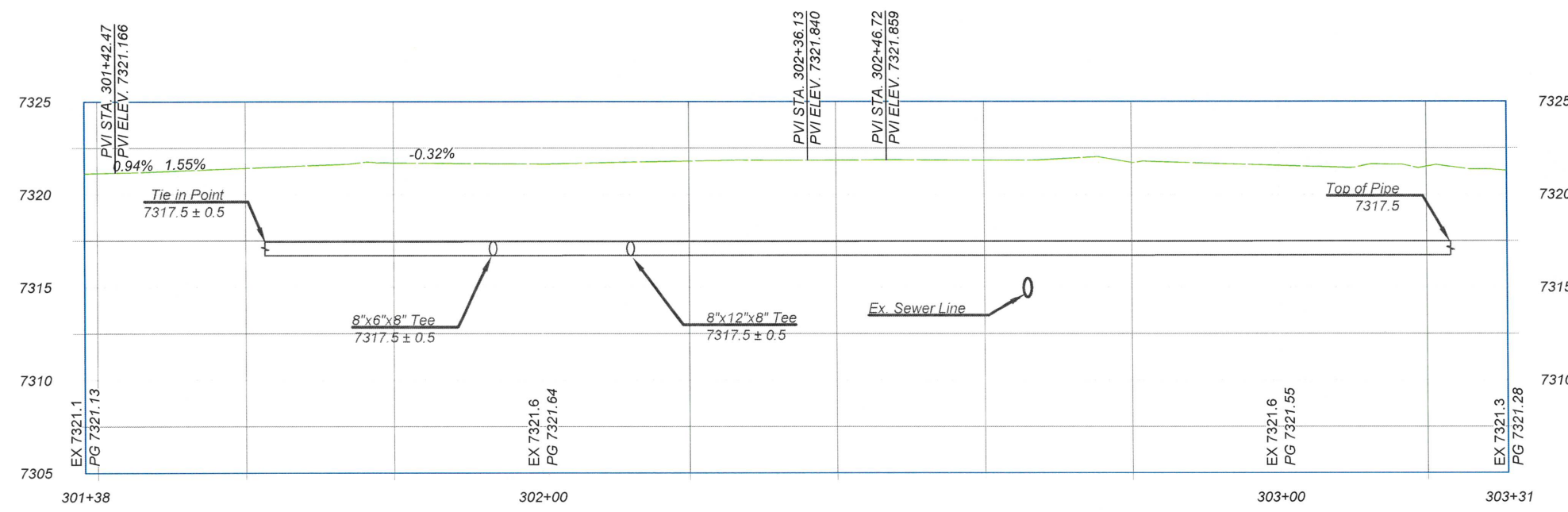
BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION
 NECTAR



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-13

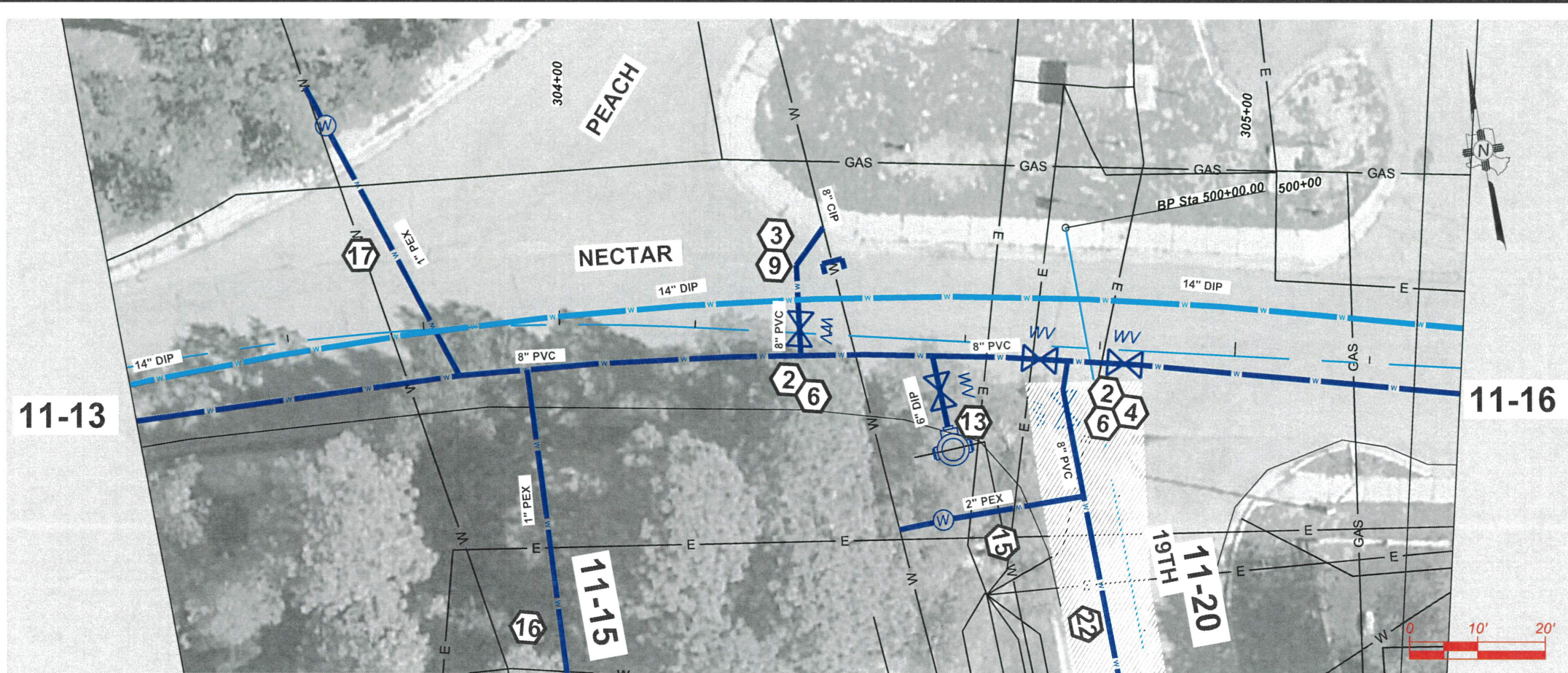
NEW 8" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.



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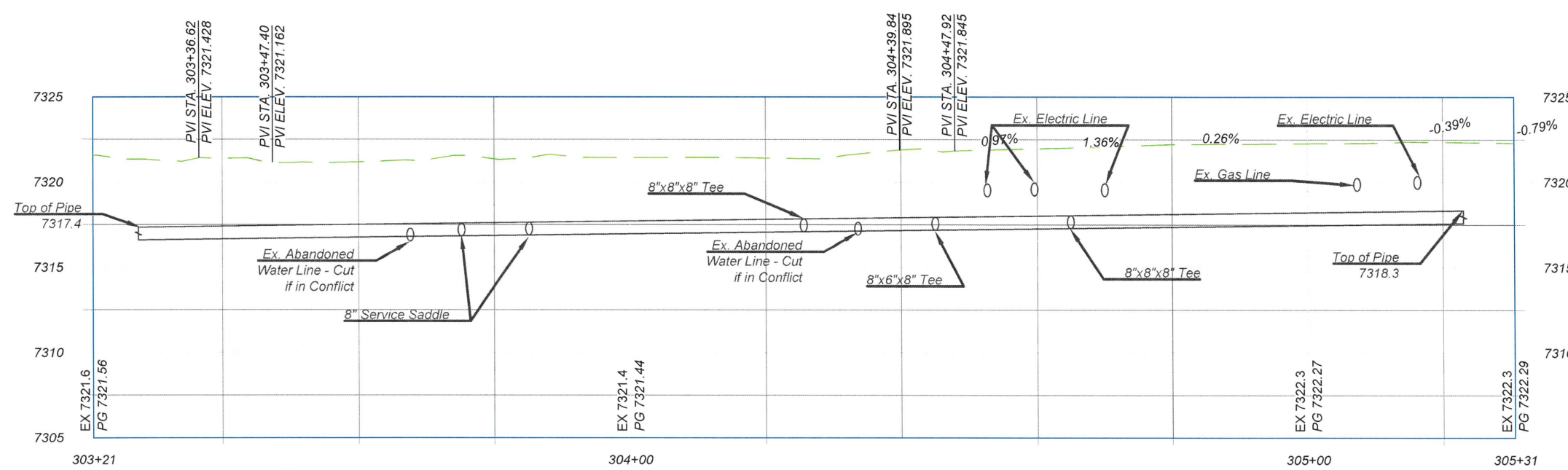
- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
 GENERAL
- REDUCER
 - TEE
 - 45° FITTING
 - 22.5° FITTING
 - 11.25° FITTING
 - VALVE WITH VALVE BOX
- TIE-INS
- 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 - TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
- SERVICES
- HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 - 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 - 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 - 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
 - 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
 - 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 - 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER
- REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 - CAP
 - REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1"=20' XREF

BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTURBUTION
 NECTAR

NEW 8" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



- EXISTING CONDITION
- EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

GENERAL NOTE
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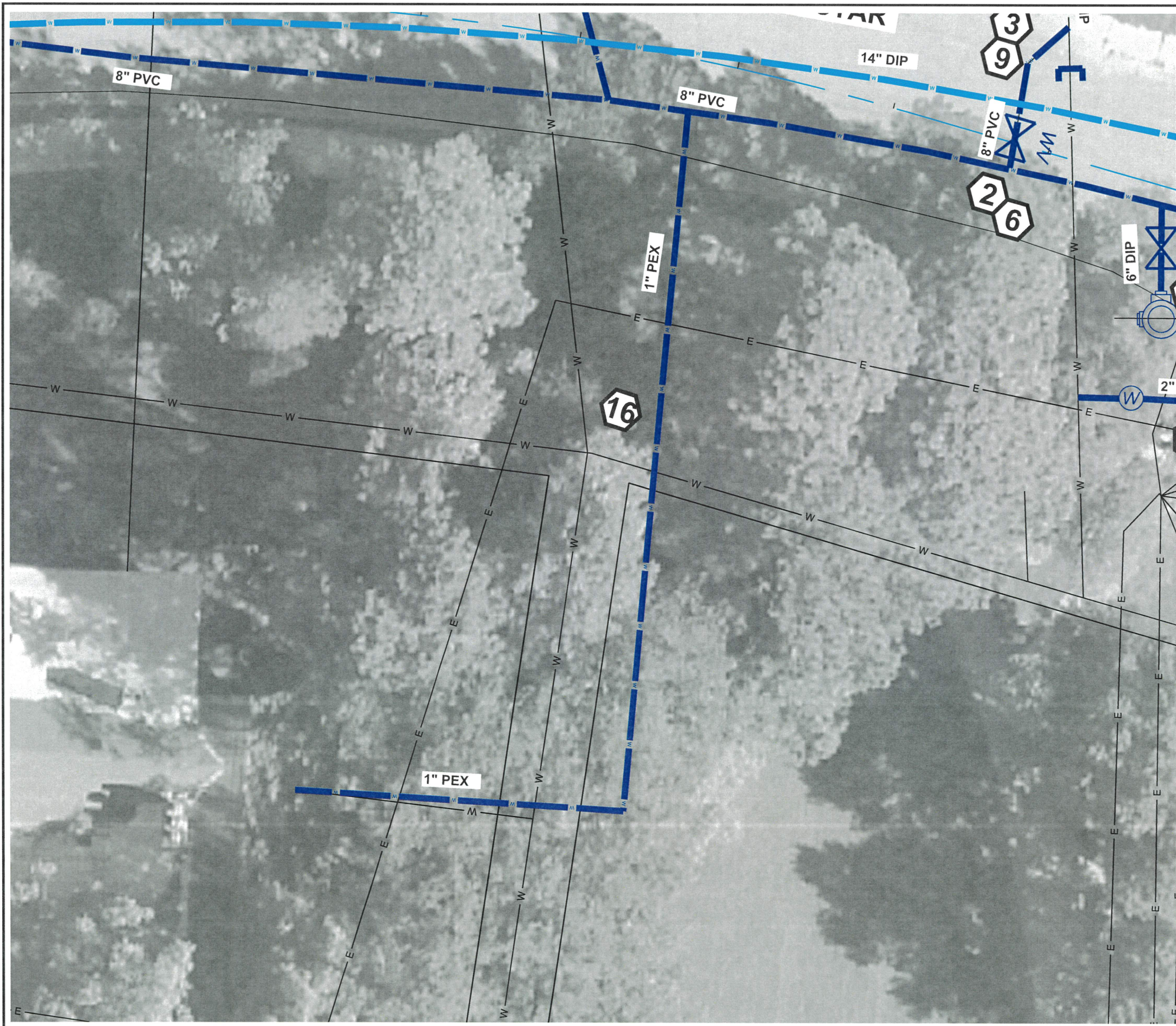


INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
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 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-14

Drawing File: L:\PROJECTS\FEB 2025 XX BATH TUB ROW\NECTAR RECON\03_DESIGN\CAD_DWG\SHEET\NECTAR.DWG

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KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38 GENERAL

- 1. REDUCER
- 2. TEE
- 3. 45° FITTING
- 4. 22.5° FITTING
- 5. 11.25° FITTING
- 6. VALVE WITH VALVE BOX
- TIE-INS
- 7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
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- 11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
- 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
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- 14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
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- 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER
- 20. REMOVE EXISTING 14"X6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
- 21. CAP
- 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1
- EXISTING CONDITION
- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
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NO.	REVISION DESCRIPTION
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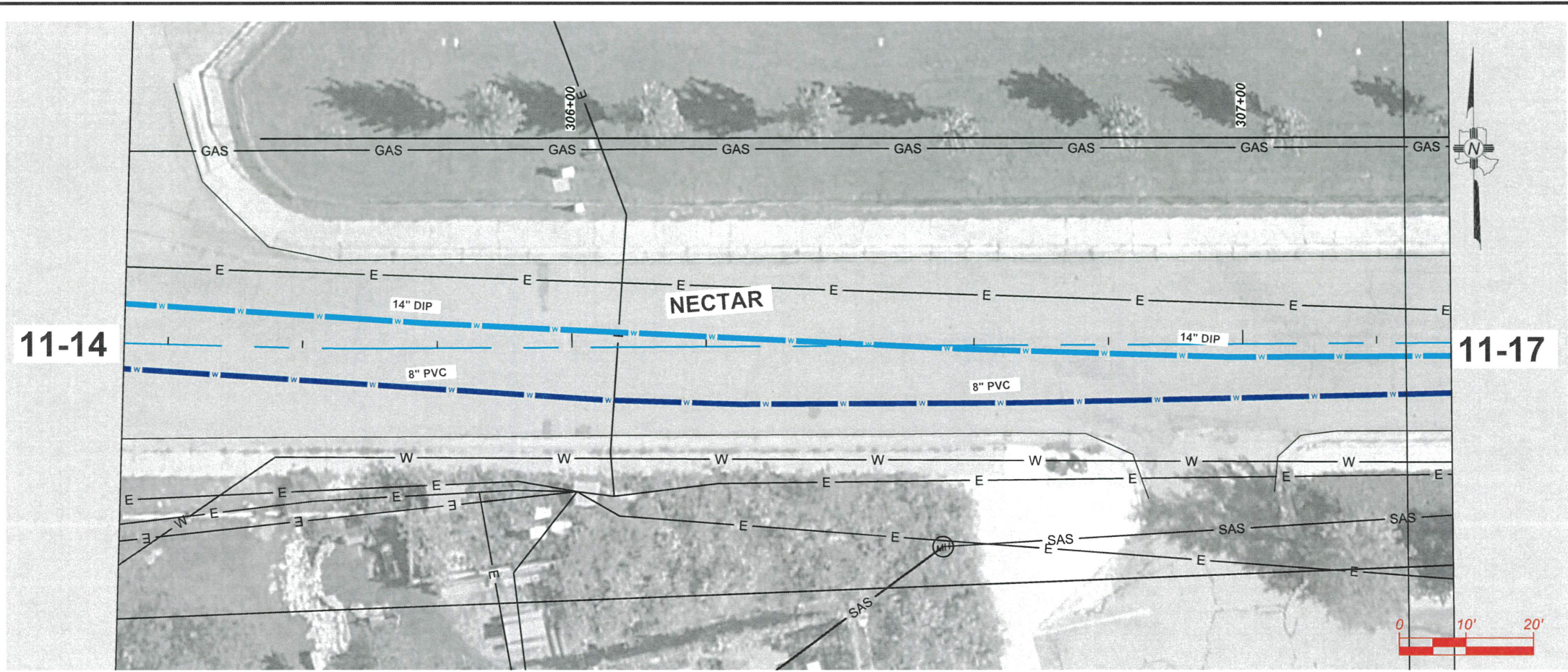
DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1"=20'

BATHTUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION PLAN
 NECTAR



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-15



- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
GENERAL
- REDUCER
 - TEE
 - 45° FITTING
 - 22.5° FITTING
 - 11.25° FITTING
 - VALVE WITH VALVE BOX
- TIE-INS**
- 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 - TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
- SERVICES**
- HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 - 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 - 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 - 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
 - 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
 - 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 - 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER**
- REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 - CAP
 - REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1"=20' XREF

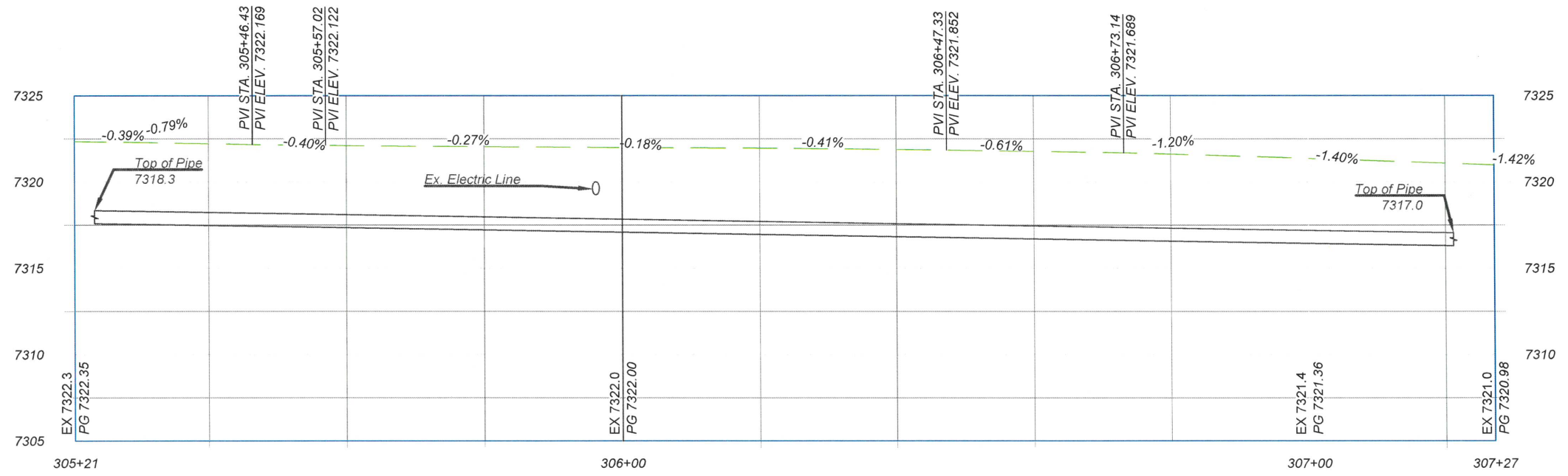
BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTURBUTION
 NECTAR



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
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SHEET
 11-16

NEW 8" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



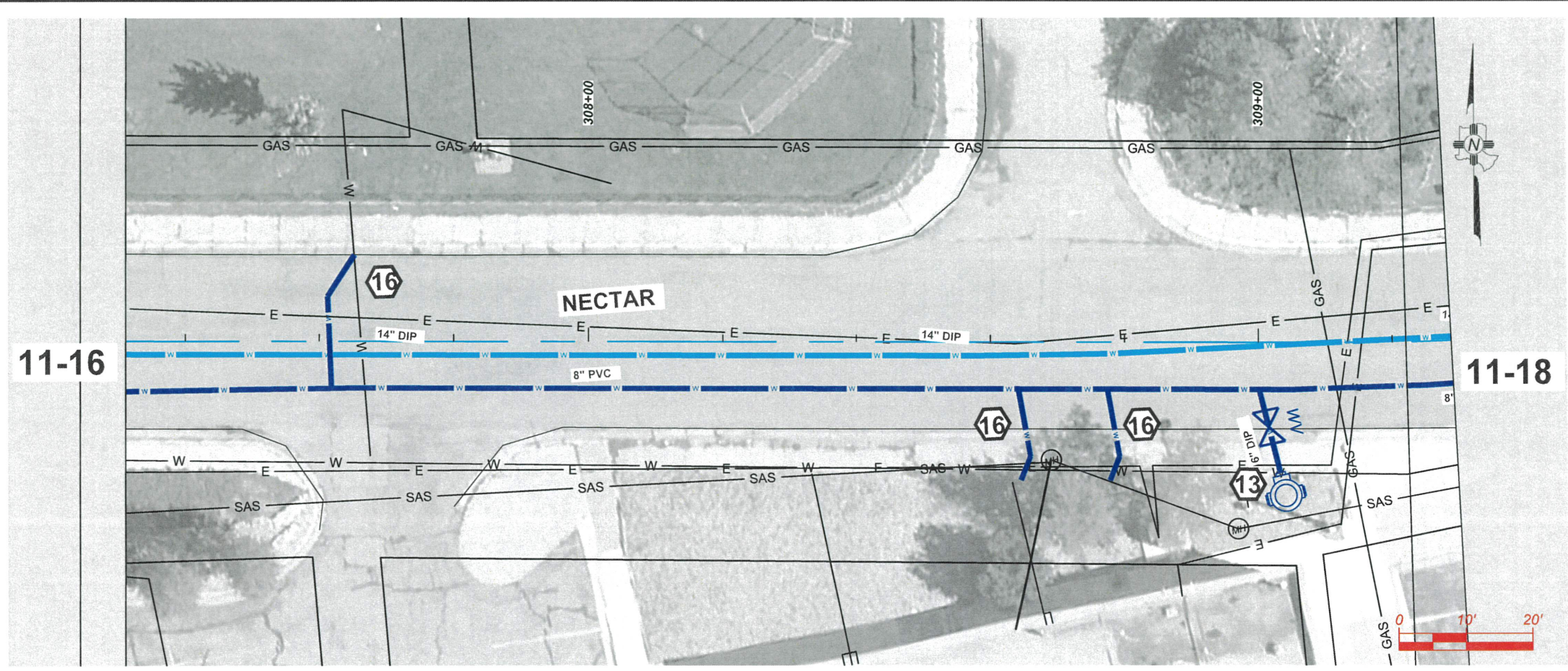
- EXISTING CONDITION**
- EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.

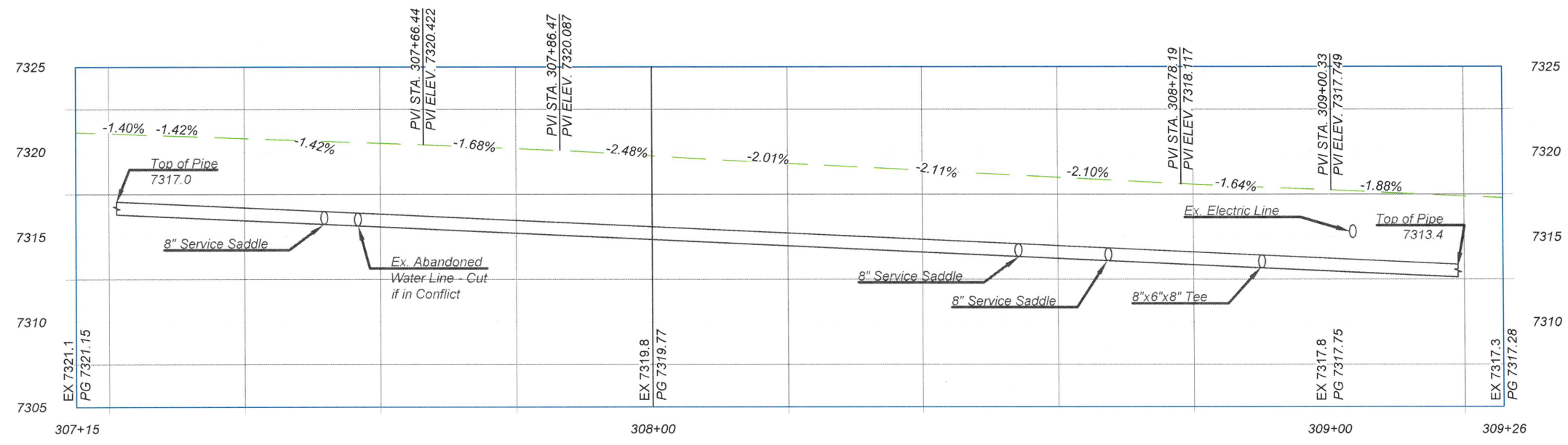


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NEW 8" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES,
 PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS
 GIVEN FROM 11-36 THRU 11-40
 GENERAL

1. REDUCER
 2. TEE
 3. 45° FITTING
 4. 22.5° FITTING
 5. 11.25° FITTING
 6. VALVE WITH VALVE BOX
- TIE-INS**
7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 10. 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
 11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
- SERVICES**
13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 16. 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
 17. 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
 18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER**
20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 21. CAP

EXISTING CONDITION

- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
- B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT



NO.	REVISION DESCRIPTION
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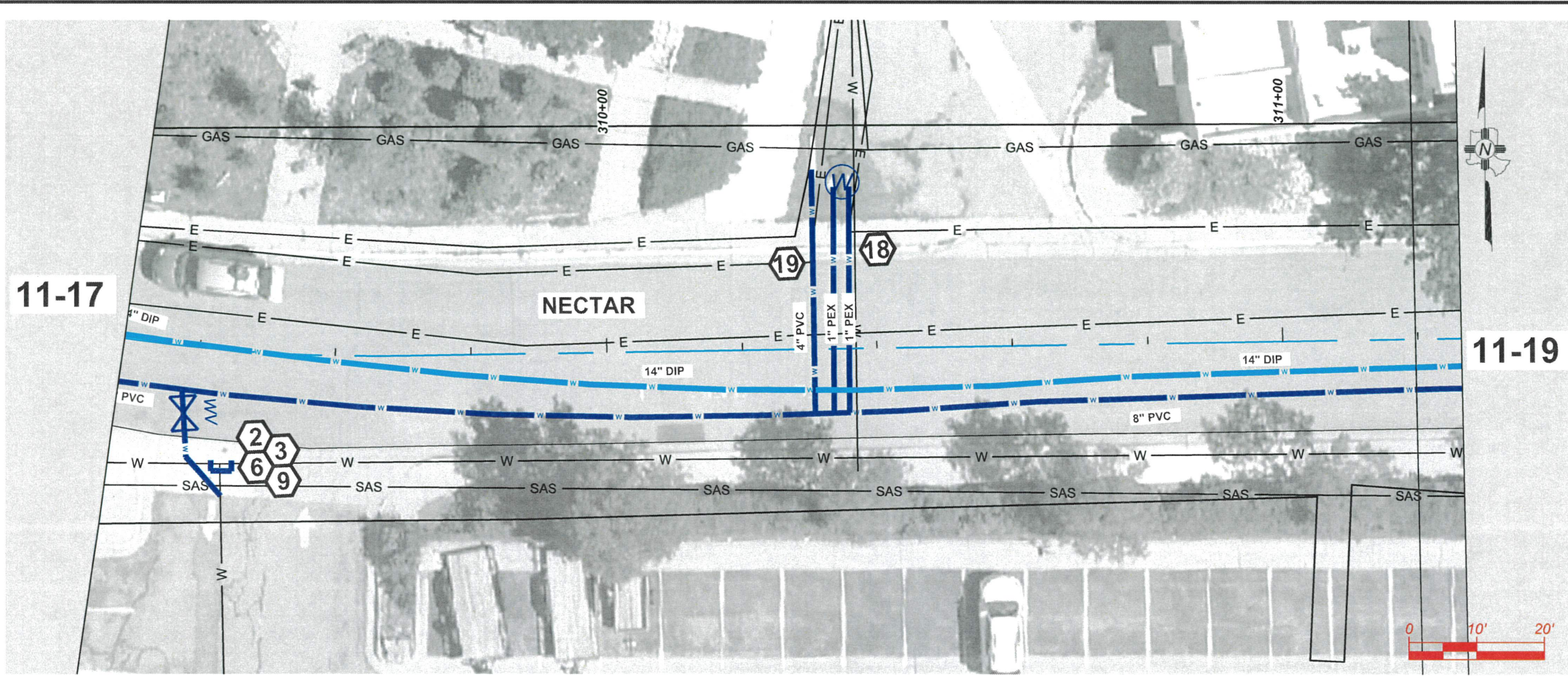
DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1"=20' XREF

BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTURBUTION
 NECTAR



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-17



- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
- REDUCER
 - TEE
 - 45° FITTING
 - 22.5° FITTING
 - 11.25° FITTING
 - VALVE WITH VALVE BOX
- TIE-INS**
- 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 - TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
- SERVICES**
- HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 - 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 - 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 - 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
 - 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
 - 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 - 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER**
- REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 - CAP
 - REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1
- EXISTING CONDITION**
- EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
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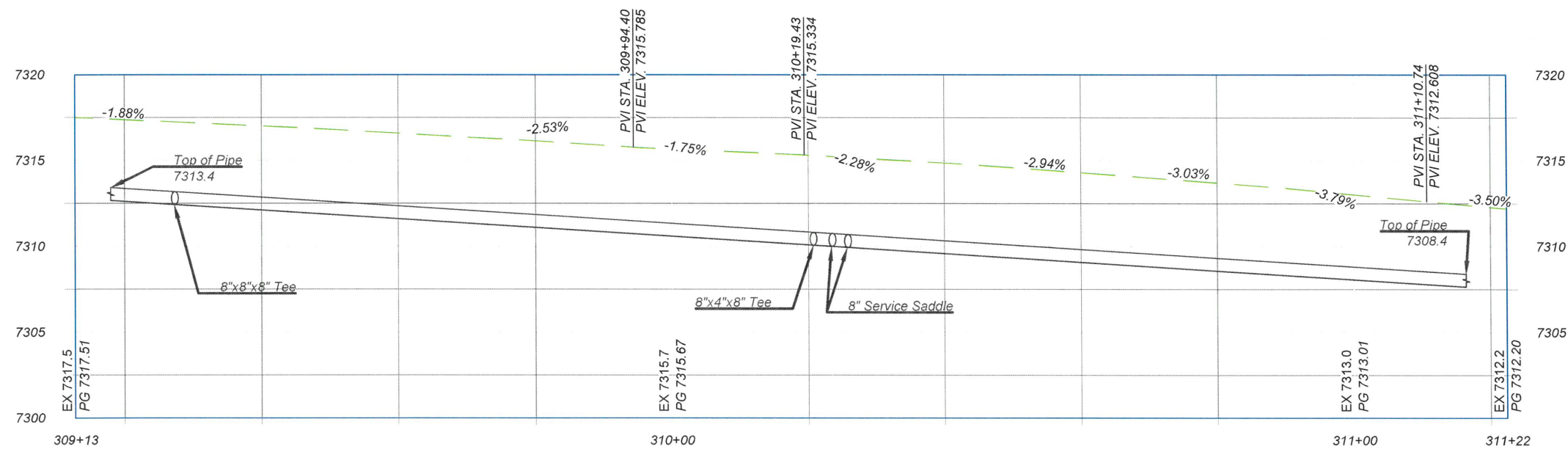
BATH TUB ROW RECONSTRUCTION PROJECT
 WATER DISTURBUTION
 NECTAR



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-18

NEW 8" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS

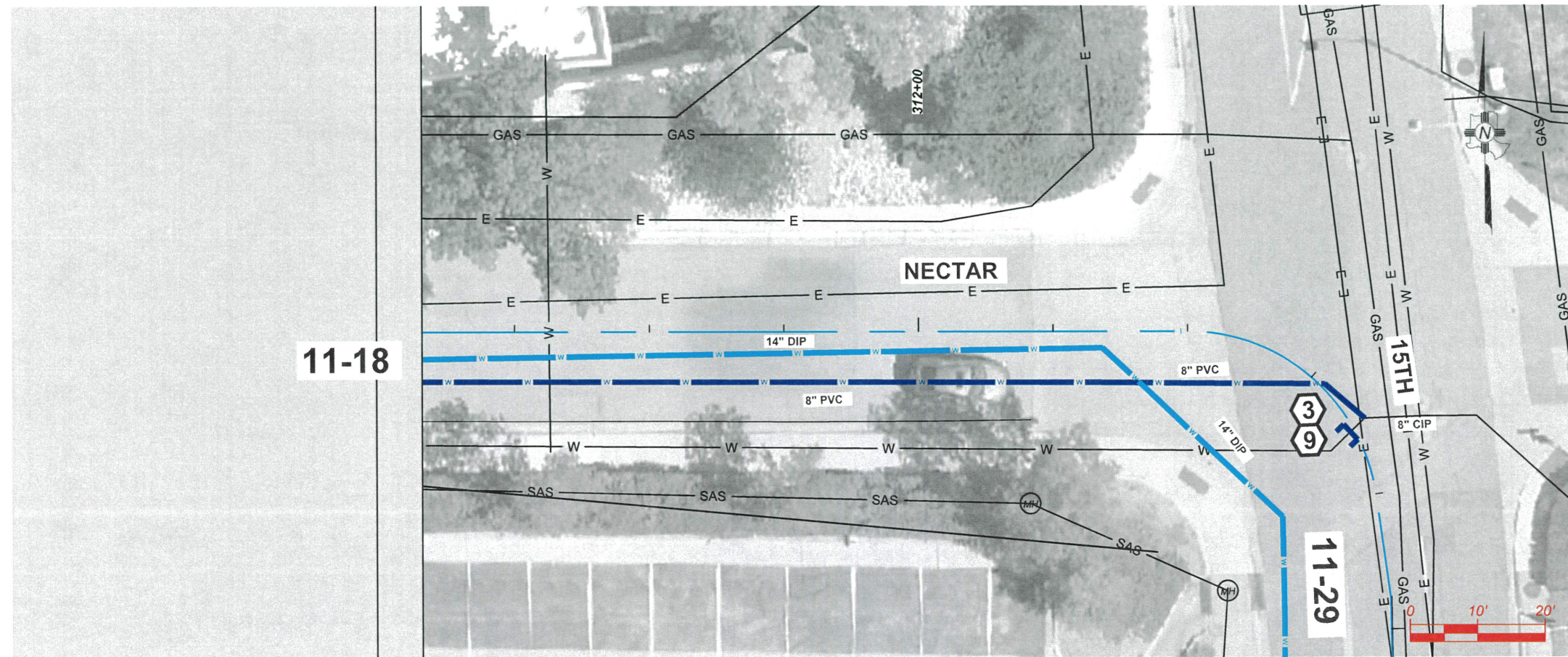


GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.



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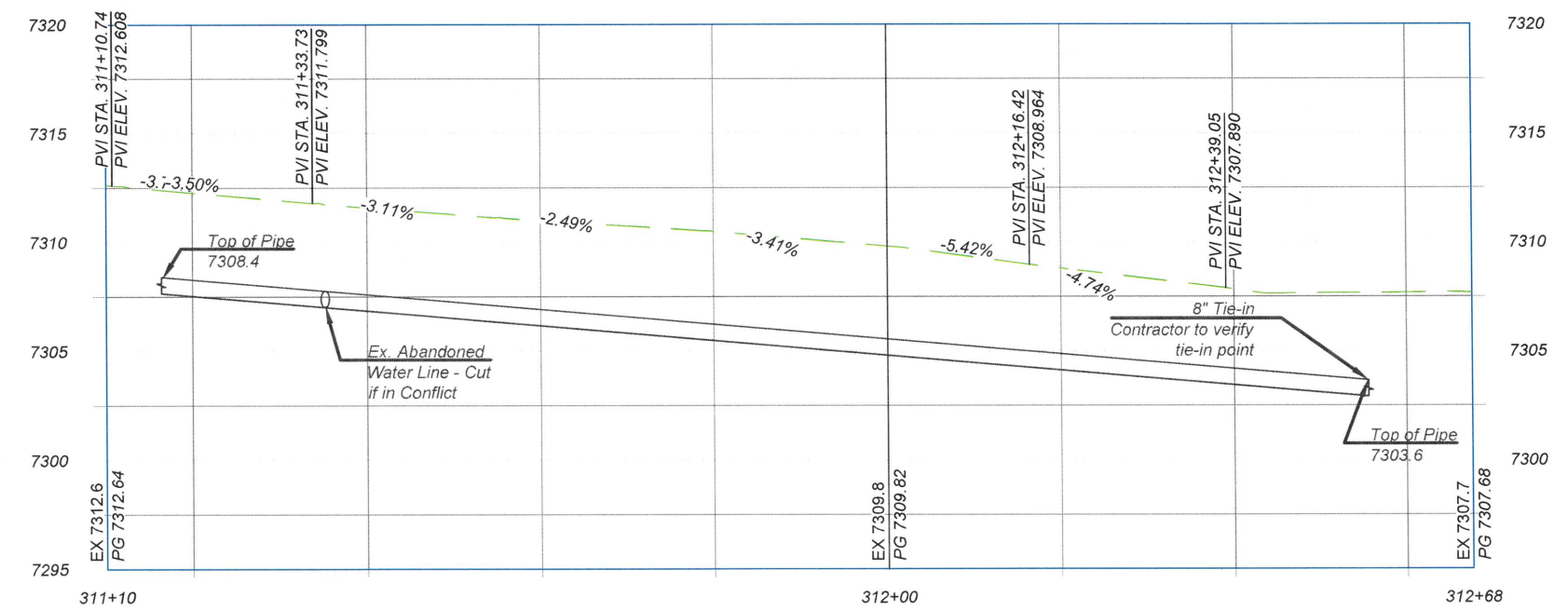
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11-18

11-29

NEW 8" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



- KEYNOTES**
INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
- REDUCER
 - TEE
 - 45° FITTING
 - 22.5° FITTING
 - 11.25° FITTING
 - VALVE WITH VALVE BOX
- TIE-INS**
- 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
 - 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 - TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
- SERVICES**
- HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 - 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 - 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 - 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
 - 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
 - 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 - 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER**
- REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 - CAP
 - REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1
- EXISTING CONDITION**
- EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

GENERAL NOTE

EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.



NO.	REVISION DESCRIPTION
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DESIGNED BY:	CAA
DRAWN BY:	CAA
APPROVED BY:	JM
DATE:	5/10/2024
SCALE:	1"=20' XREF

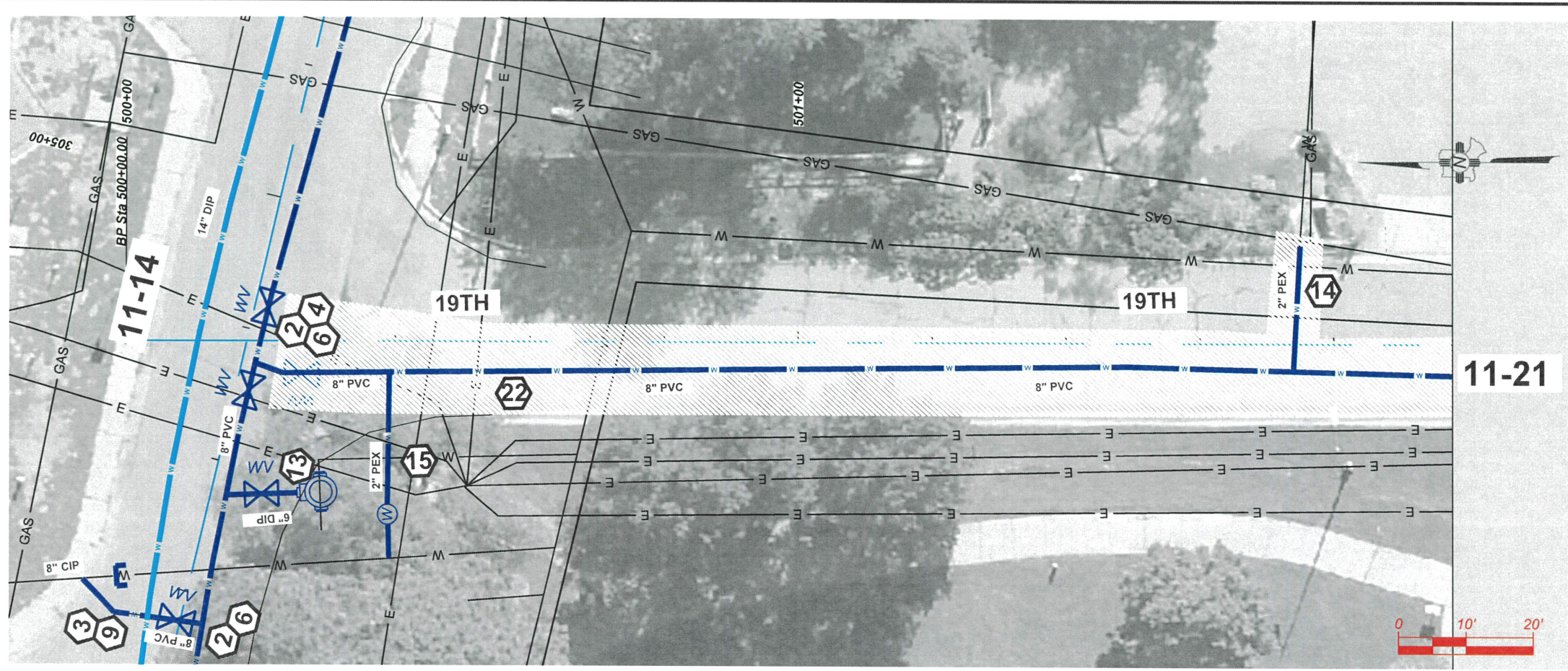
BATH TUB ROW
RECONSTRUCTION PROJECT
 NECTAR



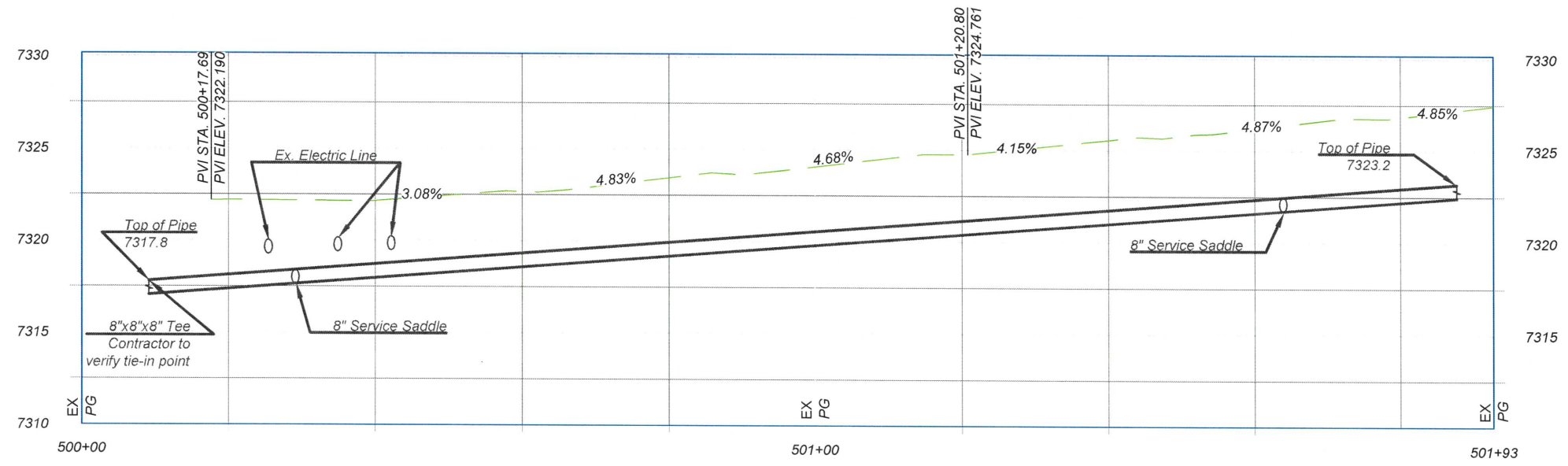
INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
11-19

Drawing File: L:\PROJECTS\IFB 2025 XX BATH TUB ROW\CONNECTAR RECON\03_DESIGN\CAD_DWG\SIS\SHEET\19TH.DWG



NEW 8" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38 GENERAL

- 1. REDUCER
- 2. TEE
- 3. 45° FITTING
- 4. 22.5° FITTING
- 5. 11.25° FITTING
- 6. VALVE WITH VALVE BOX
- 7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- 8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- 9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- 10. 8" TIE IN TO EXISTING 6" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- 11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
- 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
- 13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
- 14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
- 15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
- 16. 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
- 17. 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
- 18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
- 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- 20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
- 21. CAP
- 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

- ▲ EXISTING CONDITION ▲
- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
- B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.



NO.	REVISION DESCRIPTION
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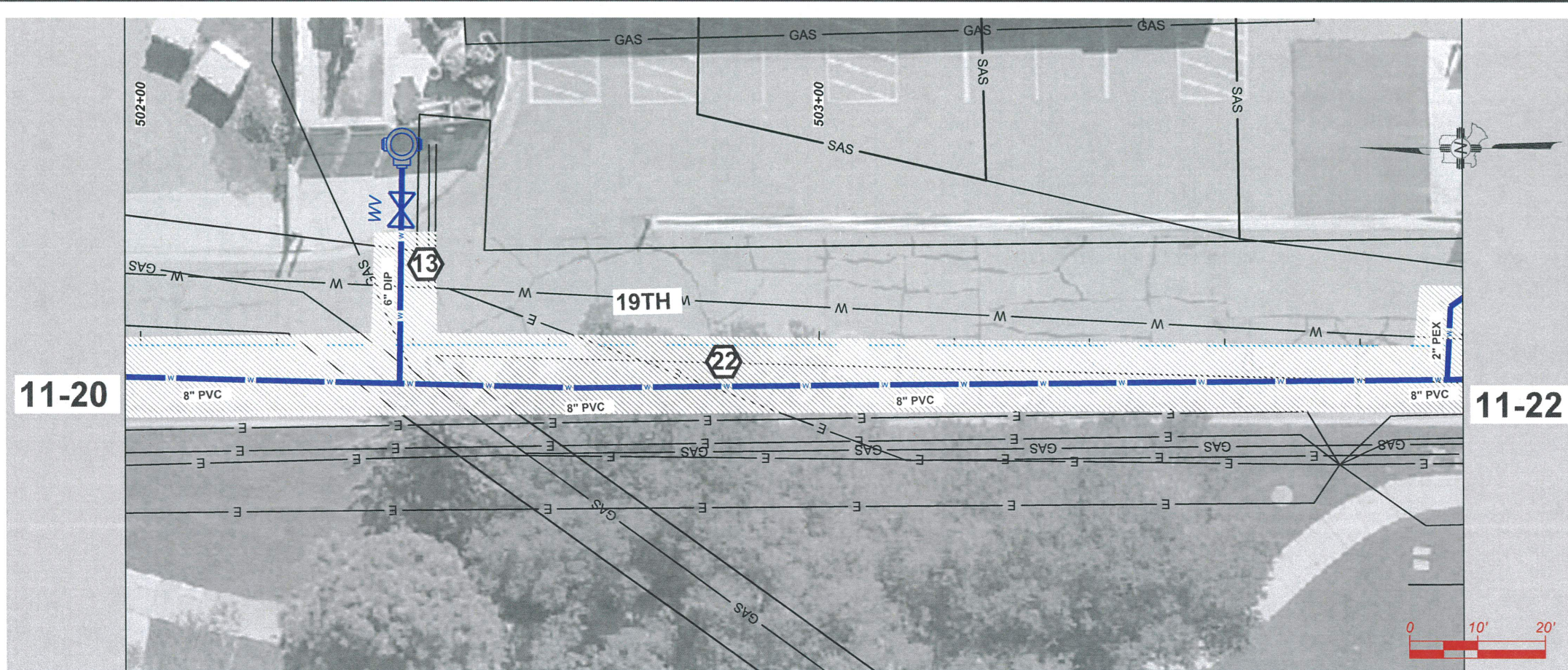
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DRAWN BY:	CAA
APPROVED BY:	JM
DATE:	5/10/2024
SCALE:	1:20 XREF

BATHTUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION LINE
 19TH



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

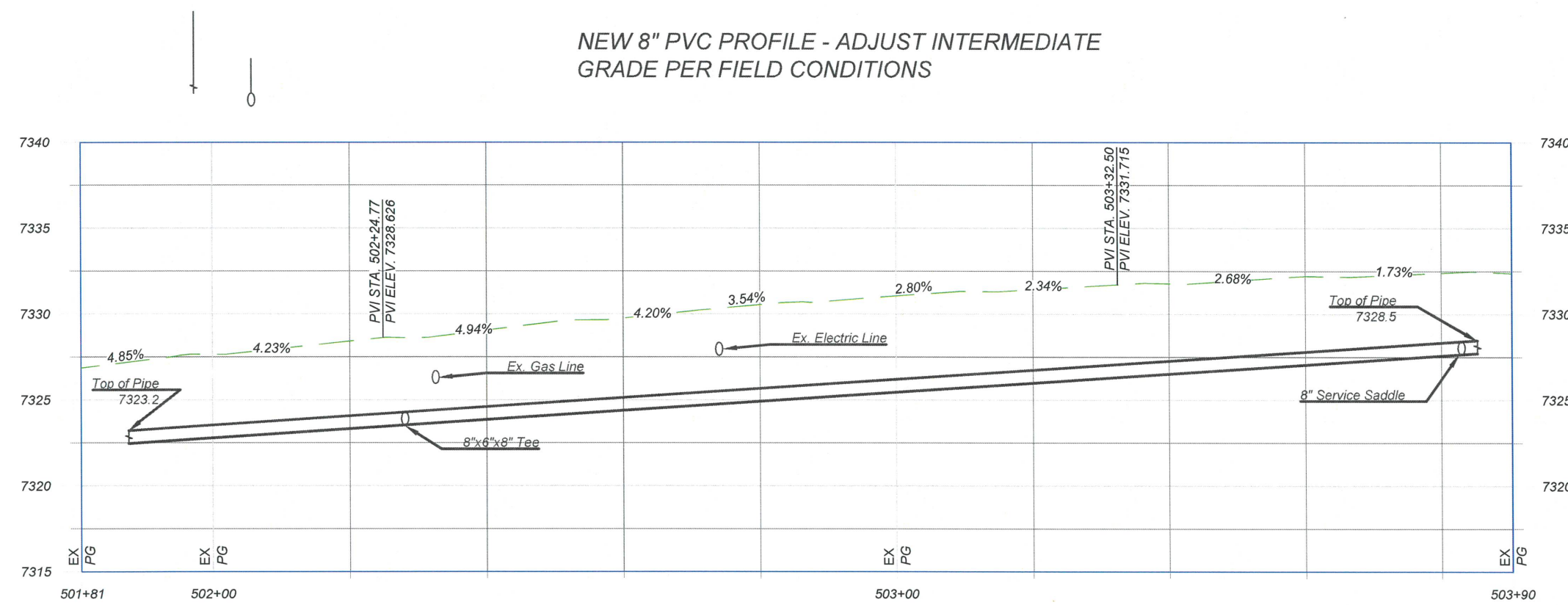
SHEET
 11-20



11-20

11-22

NEW 8" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38 GENERAL

1. REDUCER
 2. TEE
 3. 45° FITTING
 4. 22.5° FITTING
 5. 11.25° FITTING
 6. VALVE WITH VALVE BOX
- TIE-INS
7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 10. 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
 11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE

- SERVICES
13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 16. 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
 17. 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
 18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER
20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 21. CAP
 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

- EXISTING CONDITION
- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.



NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1:20 XREF

BATHTUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION LINE
 19TH

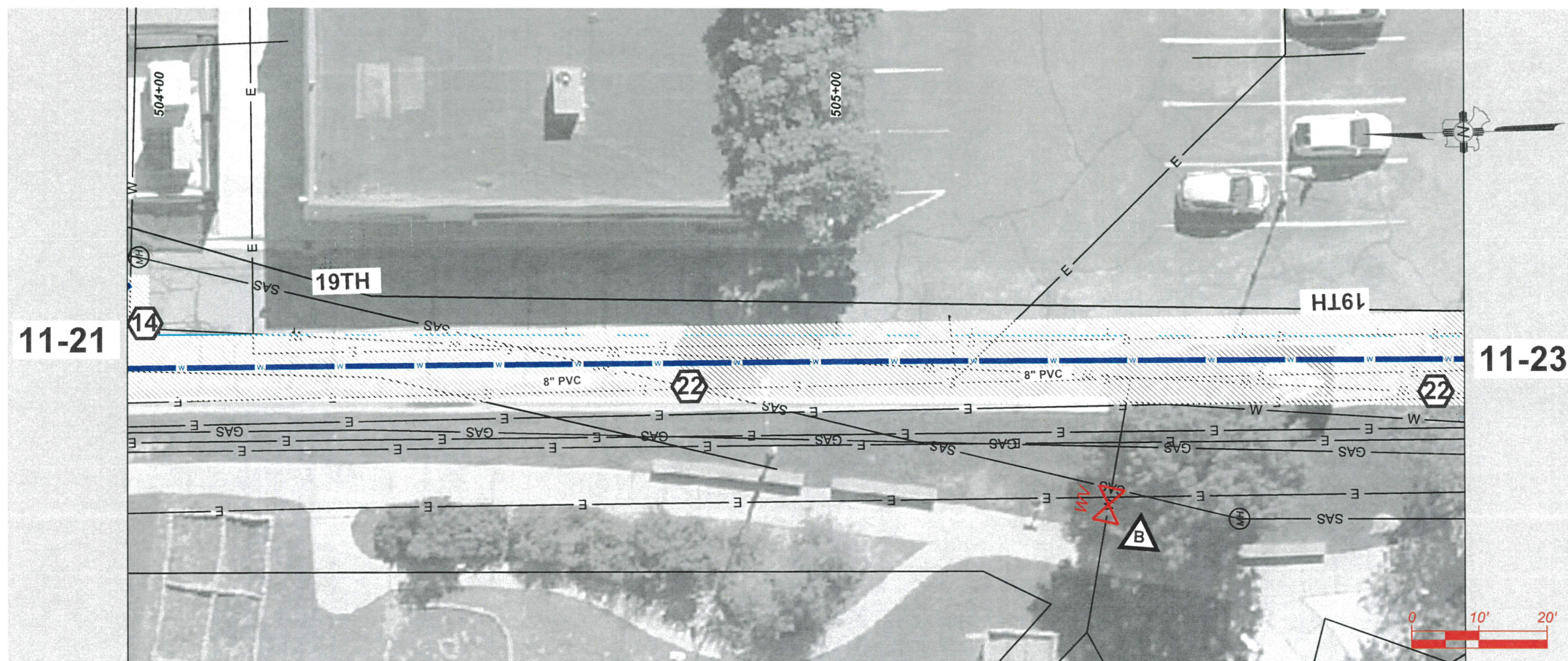


INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-21

Drawing File: L:\PROJECTS\FB 2025 XX BATH TUB ROW\RECON\DESIGN\CAD_DWG\SS\SSHEETS\19TH.DWG

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- KEYNOTES**
INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
1. REDUCER
 2. TEE
 3. 45° FITTING
 4. 22.5° FITTING
 5. 11.25° FITTING
 6. VALVE WITH VALVE BOX
- TIE-INS**
7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 10. 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
 11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
 12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE
- SERVICES**
13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
 14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
 16. 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
 17. 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
 18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
 19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.
- OTHER**
20. REMOVE EXISTING 14"X6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
 21. CAP
 22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1
- EXISTING CONDITION**
- A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED
 - B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

NO.	REVISION DESCRIPTION
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DESIGNED BY:	CAA
DRAWN BY:	CAA
APPROVED BY:	JM
DATE:	5/10/2024
SCALE:	1:20 XREF

BATHTUB ROW RECONSTRUCTION PROJECT
WATER DISTRIBUTION LINE
19TH



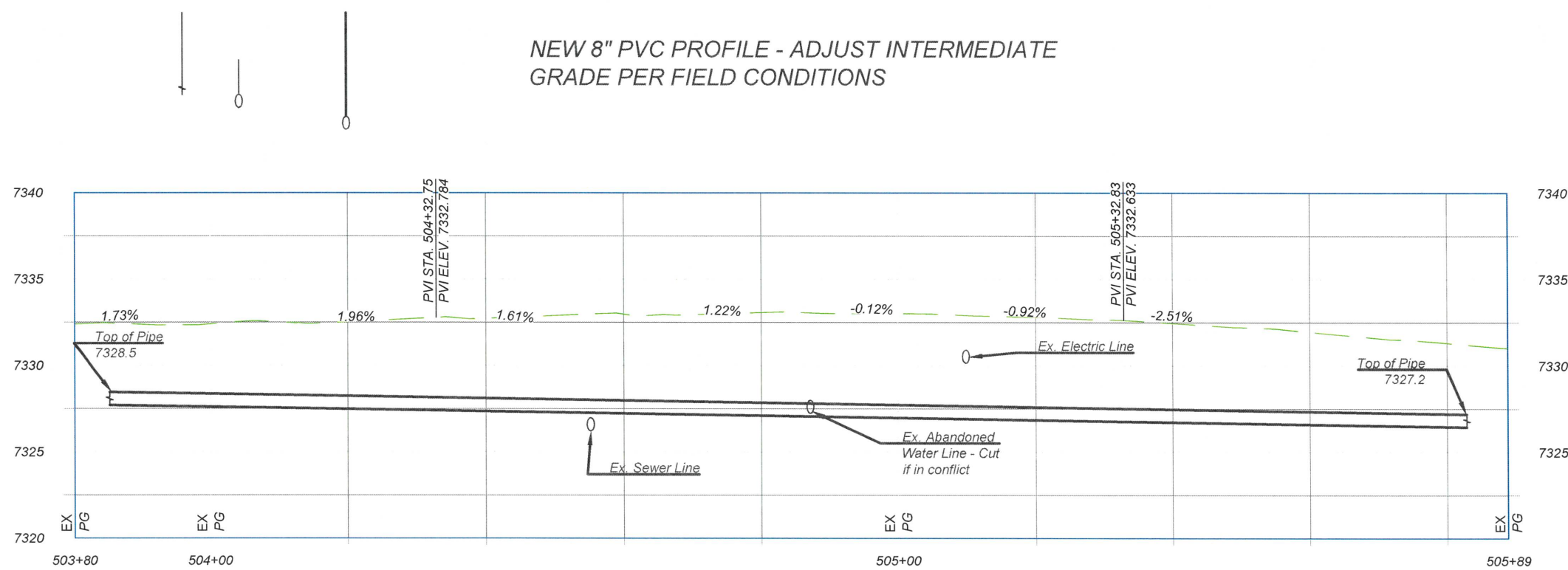
INCORPORATED COUNTY OF LOS ALAMOS
PUBLIC WORKS DEPARTMENT
1000 CENTRAL AVE., SUITE 160
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8150 FAX: (505) 662-8109

SHEET
11-22

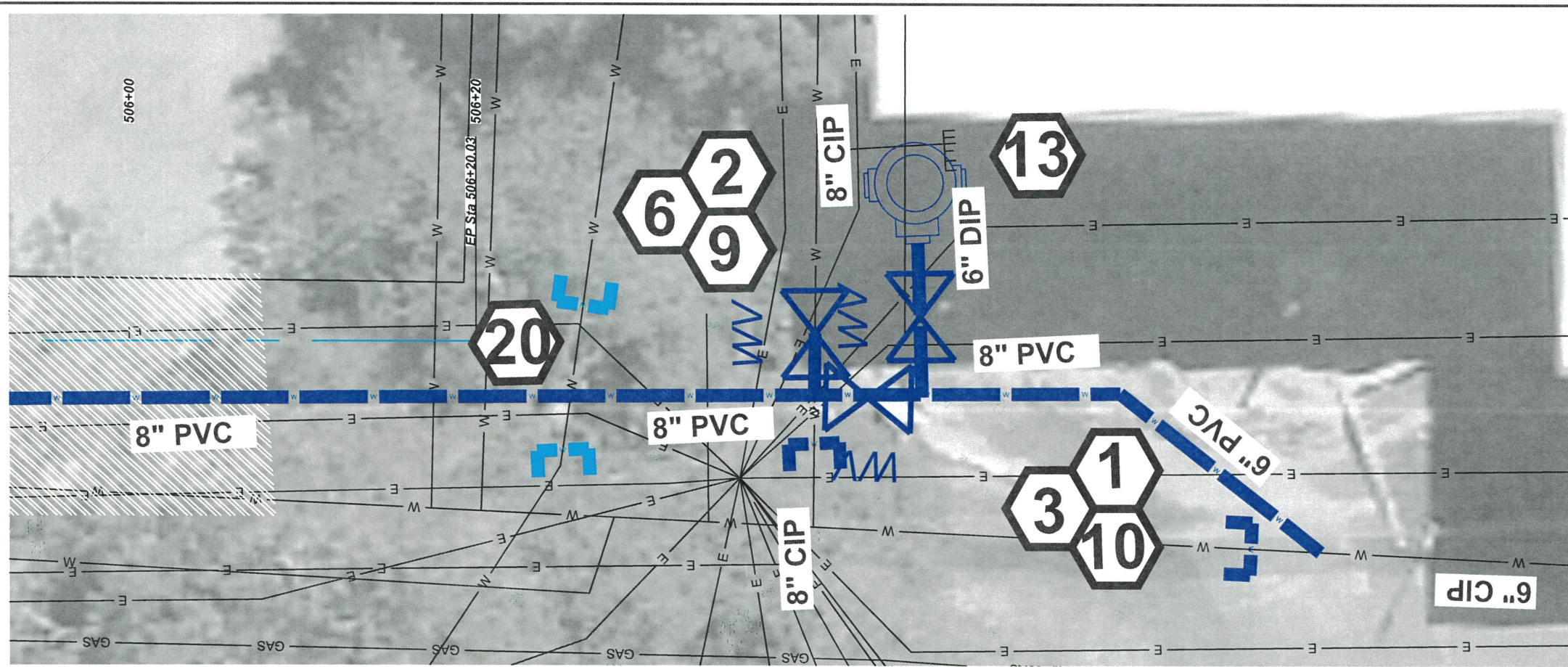
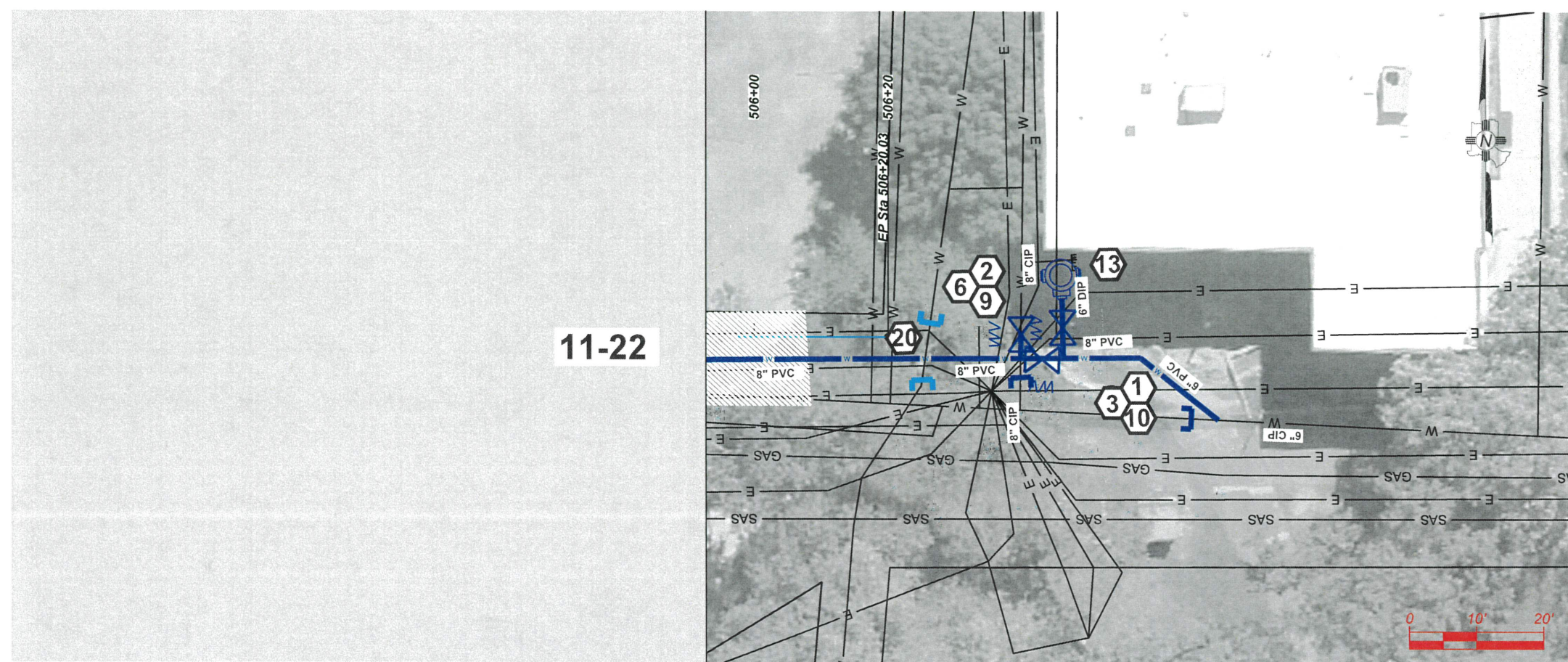


GENERAL NOTE
EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.

NEW 8" PVC PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



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KEYNOTES
INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
GENERAL

1. REDUCER
2. TEE
3. 45° FITTING
4. 22.5° FITTING
5. 11.25° FITTING
6. VALVE WITH VALVE BOX

TIE-INS

7. 12" TIE IN TO EXISTING 12" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
8. 12" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
9. 8" TIE IN TO EXISTING 8" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
10. 8" TIE IN TO EXISTING 6". CAP AND ABANDON EXISTING PIPE IN PLACE
11. 8" CAP AND ABANDON EXISTING PIPE IN PLACE
12. TIE IN TO 6" EXISTING FIRE SERVICE CAP AND ABANDON EXISTING PIPE IN PLACE

SERVICES

13. HYDRANT, TEE, 6" DIP PIPE AND 6" VALVE WITH VALVE BOX. REMOVE EXISTING HYDRANT
14. 2" PEX SERVICE TIE IN TO WATER EXIST SERVICE WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
15. 2" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN WITH CURBSIDE CORPS STOP VALVE AND VALVE BOX
16. 1" PEX SERVICE TIE IN TO WATER EXIST SERVICE
17. 1" PEX SERVICE WITH METER CAN. FILL AND ABANDON EXISTING WATER METER CAN
18. 2-1" PEX SERVICE WITH DOUBLE METER CAN. REMOVE EXISTING SINGLE WATER METER CANS
19. 4" FIRE SERVICE STUB-OUT BEHIND SIDEWALK.

OTHER

20. REMOVE EXISTING 14"x6" CROSS AFTER 14" WATER TIE IN IS COMPLETE
21. CAP
22. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

EXISTING CONDITION

A. EXIST INSERTA VALVE- KEEP VALVE IN USE AFTER PROJECT IS FINISHED

B. EXIST INSERTA VALVE- REMOVE VALVE BOX AND BURY AS PART OF WATERLINE RETIREMENT

GENERAL NOTE

EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.

NO.	REVISION DESCRIPTION
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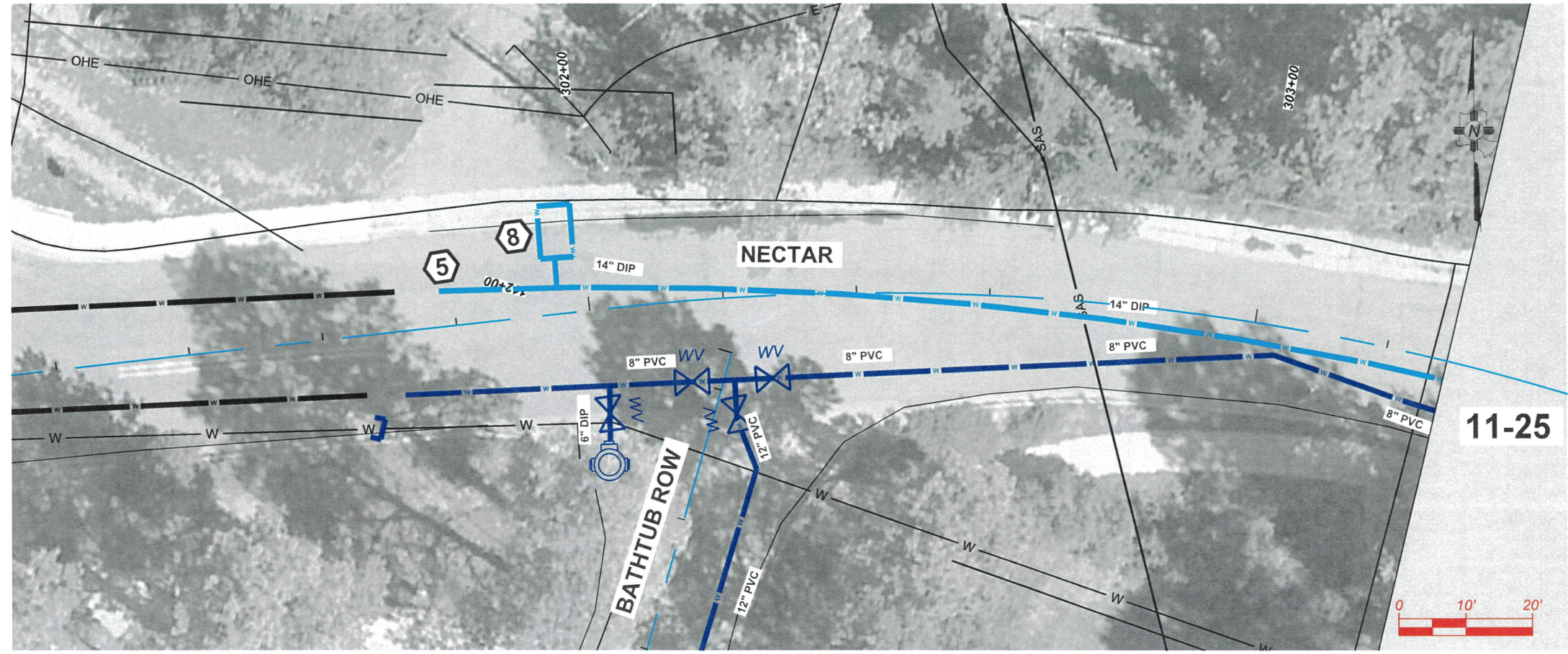
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 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1:20 XREF

BATHUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION LINE
 19TH



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-23



KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES,
 PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS
 GIVEN FROM 11-36 THRU 11-38

- GENERAL**
1. 45° FITTING
 2. 22.5° FITTING
 3. 11.25° FITTING
 4. VALVE WITH VALVE BOX
 5. EXISTING 14" TO HAVE POTABILITY TEST AND FLUSHING BEFORE NEW 14" TIE IN TO EXISTING 14" PIPE
 6. 14" TIE IN TO EXISTING 14" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
 7. CAP
 8. INSTALL ARV VAULT
 9. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.

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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1:20 XREF

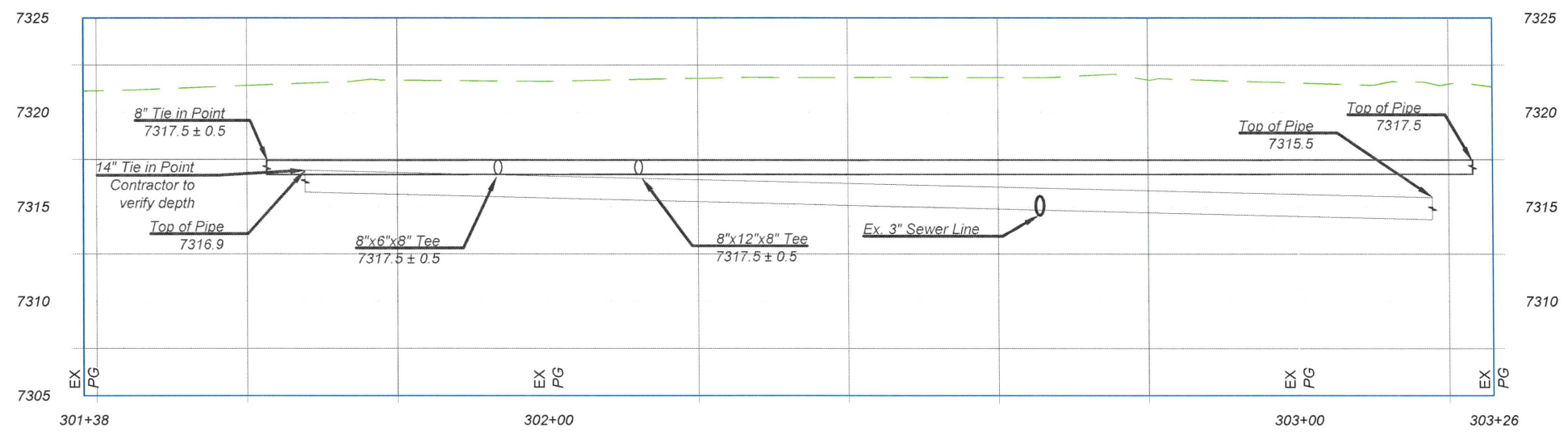
BATHTUB ROW RECONSTRUCTION PROJECT
 WATER PRODUCTION LINE
 NECTAR



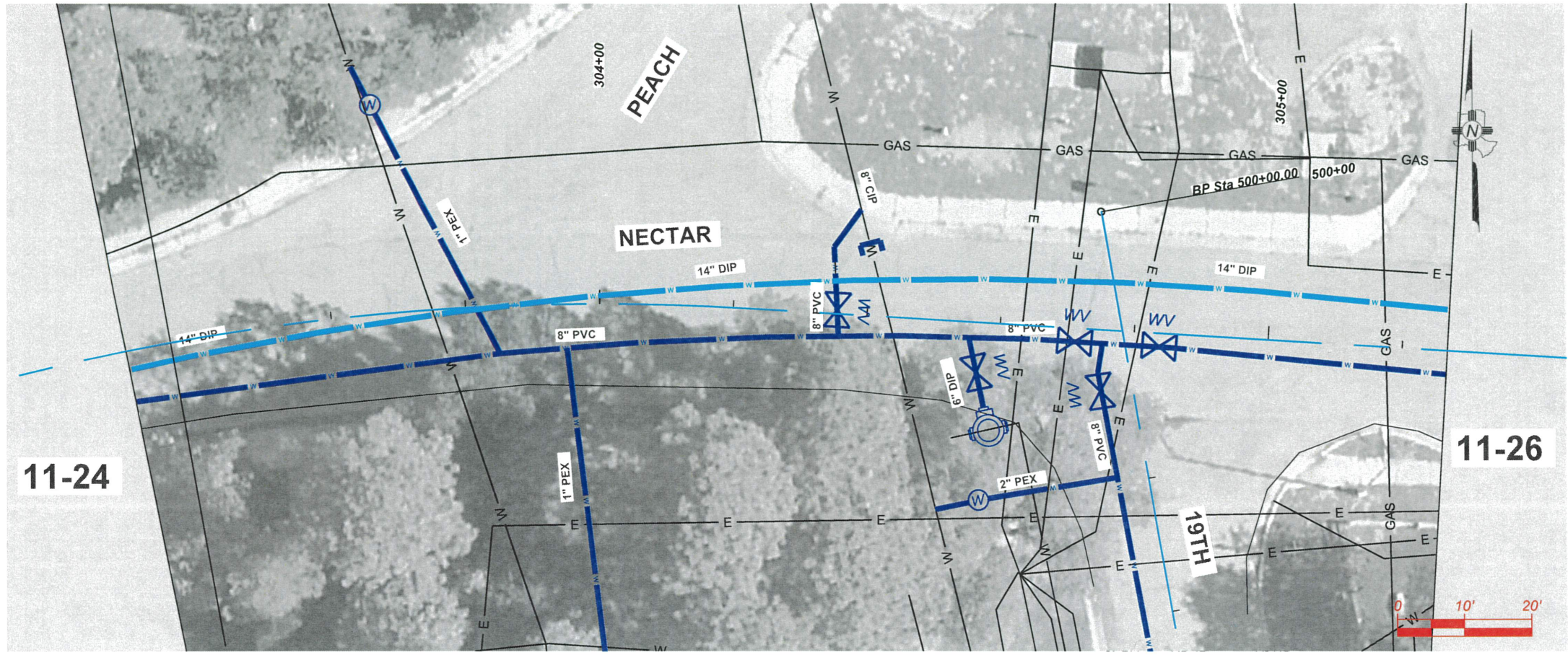
INCORPORATED COUNTY
 OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-24

NEW 14" DIP PROFILE - ADJUST INTERMEDIATE GRADE PER FIELD CONDITIONS



Drawing File: L:\PROJECTS\IFB 2025 XX BATH TUB ROW\NECTAR RECON\03_DESIGN\CAD_DWG\SSHSHEETS\WATER PRO.DWG



- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
- 1. 45° FITTING
 - 2. 22.5° FITTING
 - 3. 11.25° FITTING
 - 4. VALVE WITH VALVE BOX
- TIE-INS**
- 5. EXISTING 14" TO HAVE POTABILITY TEST AND FLUSHING BEFORE NEW 14" TIE IN TO EXISTING 14" PIPE
 - 6. 14" TIE IN TO EXISTING 14" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- OTHER**
- 7. CAP
 - 8. INSTALL ARV VAULT
 - 9. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.

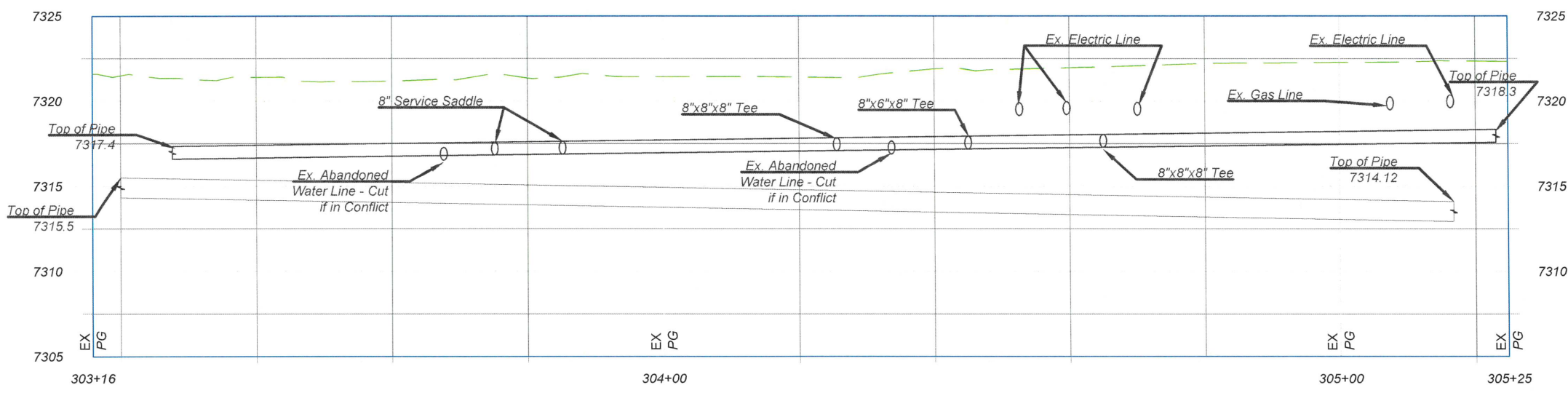
NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1:20 XREF

11-24

11-26

NEW 14" DIP PROFILE - AVERAGE 0.7% GRADE



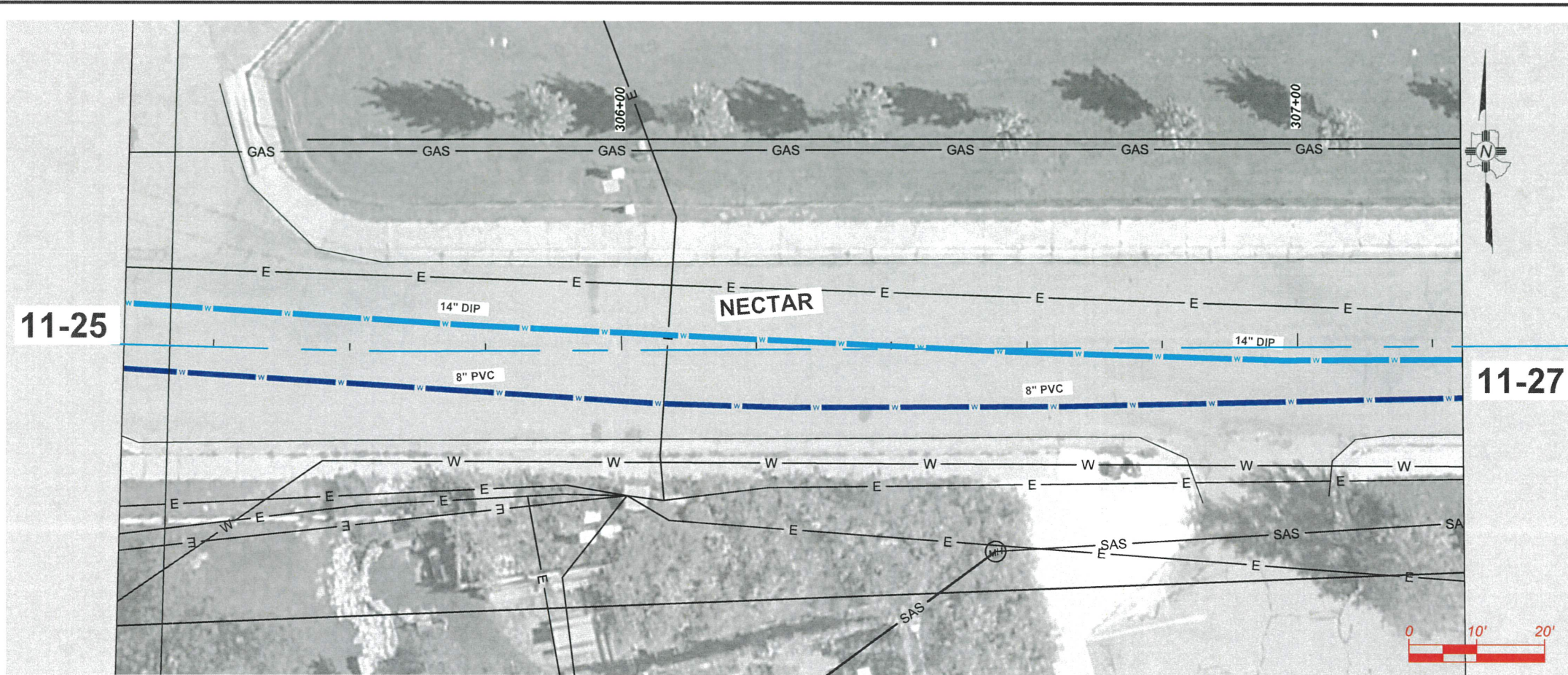
BATHTUB ROW RECONSTRUCTION PROJECT
 WATER PRODUCTION LINE
 NECTAR



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 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
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SHEET
 11-25

Drawing File: L:\PROJECTS\IFB 2025 XX BATH TUB ROW\NECTAR\RECON\01_DESIGN\CAD_DWG\SSHEETS\WATER PRO.DWG



- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
- 45° FITTING
 - 22.5° FITTING
 - 11.25° FITTING
 - VALVE WITH VALVE BOX
- TIE-INS**
- EXISTING 14" TO HAVE POTABILITY TEST AND FLUSHING BEFORE NEW 14" TIE IN TO EXISTING 14" PIPE
 - 14" TIE IN TO EXISTING 14" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- OTHER**
- CAP
 - INSTALL ARV VAULT
 - REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

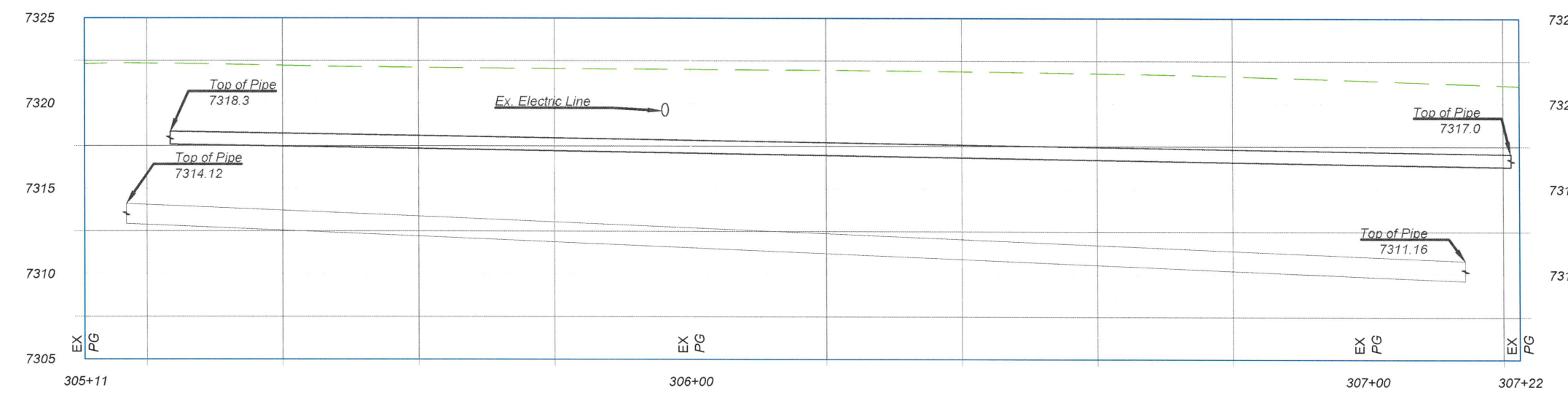
GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.

NO.	REVISION DESCRIPTION
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DESIGNED BY:	CAA
DRAWN BY:	CAA
APPROVED BY:	JM
DATE:	5/10/2024
SCALE:	1:20 XREF

Drawing File: L:\PROJECTS\11-26 XX BATH TUB ROW\NECTAR RECON\03_DESIGN\CAD_DWG\SHEETS\WATER PRO.DWG

NEW 14" DIP PROFILE - AVERAGE 1.5% GRADE

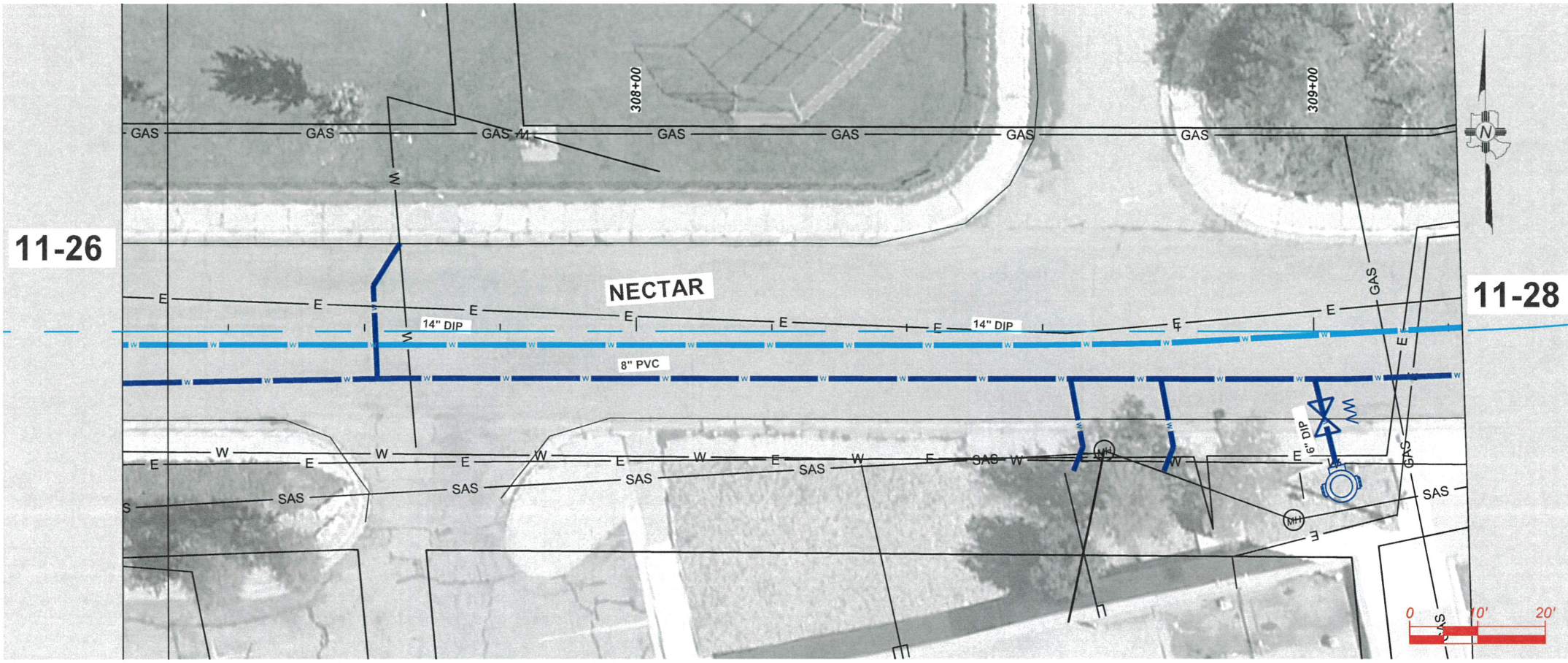


BATHTUB ROW RECONSTRUCTION PROJECT
 WATER PRODUCTION LINE
 NECTAR



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 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109





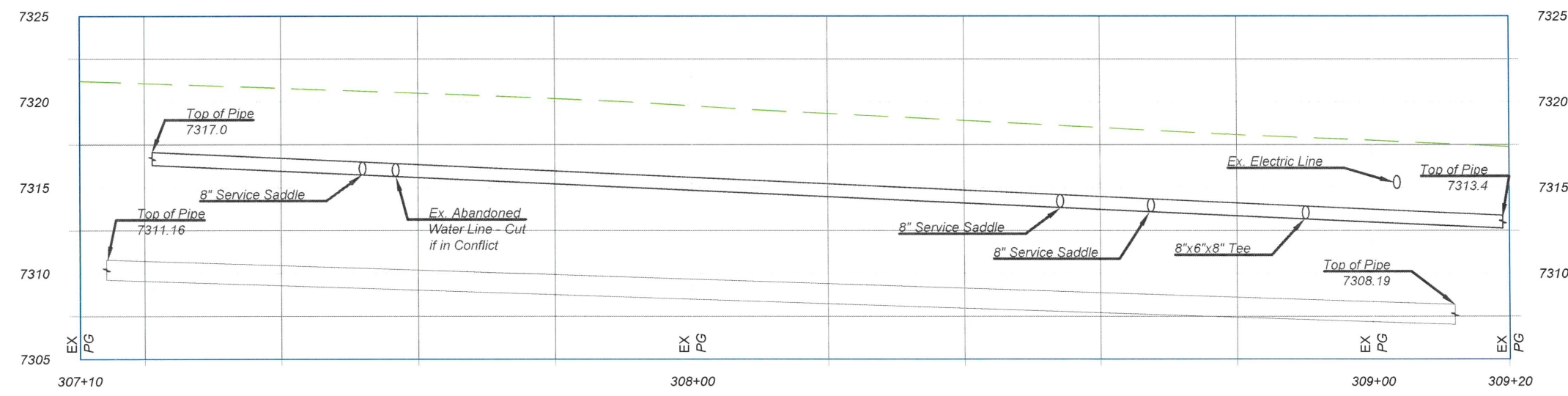
- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
- 45° FITTING
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 - 11.25° FITTING
 - VALVE WITH VALVE BOX
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- EXISTING 14" TO HAVE POTABILITY TEST AND FLUSHING BEFORE NEW 14" TIE IN TO EXISTING 14" PIPE
 - 14" TIE IN TO EXISTING 14" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- OTHER**
- CAP
 - INSTALL ARV VAULT
 - REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

GENERAL NOTE
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.

NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
 DRAWN BY: CAA
 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1:20 XREF

NEW 14" DIP PROFILE - AVERAGE 1.5% GRADE



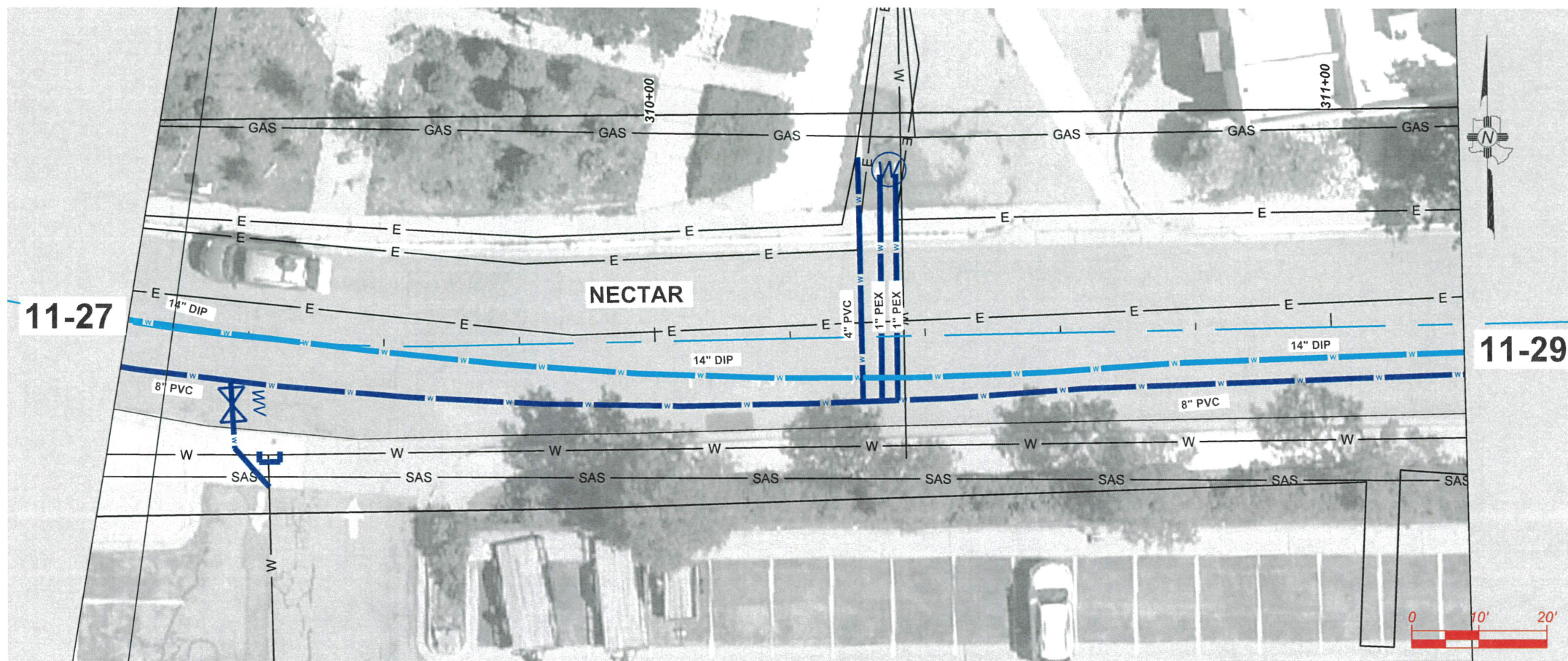
BATHTUB ROW RECONSTRUCTION PROJECT
 WATER PRODUCTION LINE
 NECTAR



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SHEET
 11-27

Drawing File: L:\PROJECTS\IFB 2025 XX BATH TUB ROW\NECTAR\RECON\03_DESIGN\CAD_DWG\SS\SSHEETS\WATER PRO.DWG



- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
- 1. 45° FITTING
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 - 4. VALVE WITH VALVE BOX
 - 5. EXISTING 14" TO HAVE POTABILITY TEST AND FLUSHING BEFORE NEW 14" TIE IN TO EXISTING 14" PIPE
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 - 7. CAP
 - 8. INSTALL ARV VAULT
 - 9. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

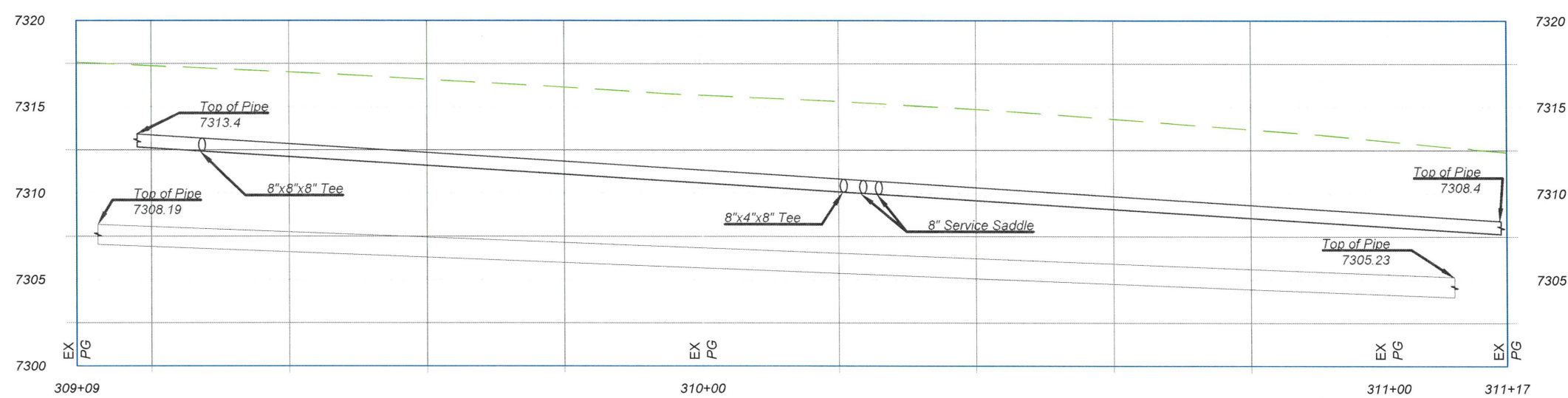
GENERAL NOTE
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NO.	REVISION DESCRIPTION
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 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1:20 XREF

BATHTUB ROW RECONSTRUCTION PROJECT
 WATER PRODUCTION LINE
 NECTAR

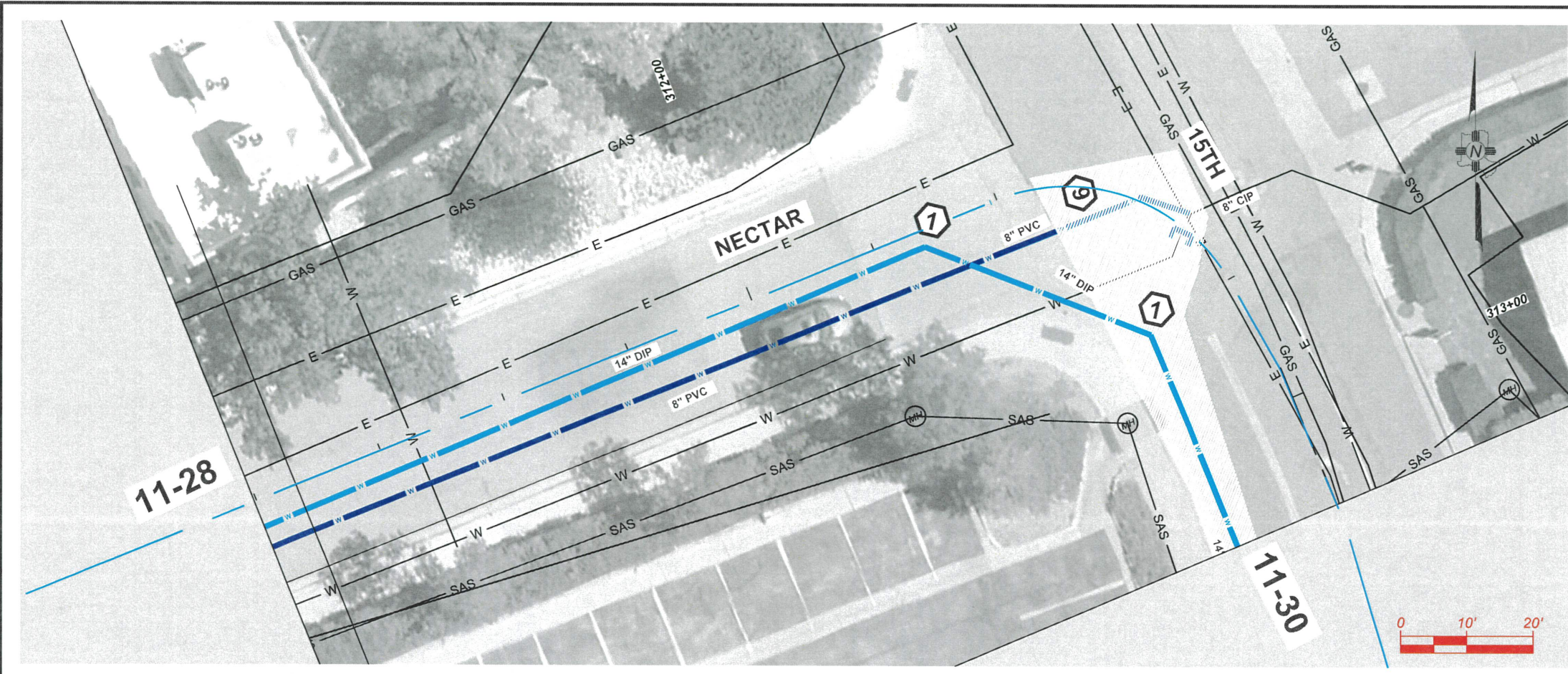
NEW 14" DIP PROFILE - AVERAGE 1.5% GRADE



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SHEET
 11-28

Drawing File: L:\PROJECTS\FEB 2025 XX BATH TUB ROW\NECTAR\RECON03_DESIGN\CAD_DWG\SHEETS\WATER_PRO.DWG



- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
- 45° FITTING
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 - VALVE WITH VALVE BOX
- TIE-INS**
- EXISTING 14" TO HAVE POTABILITY TEST AND FLUSHING BEFORE NEW 14" TIE IN TO EXISTING 14" PIPE
 - 14" TIE IN TO EXISTING 14" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- OTHER**
- CAP
 - INSTALL ARV VAULT
 - REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1
- GENERAL NOTE**
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NO.	REVISION DESCRIPTION
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APPROVED BY:	JM
DATE:	5/10/2024
SCALE:	1:20 XREF

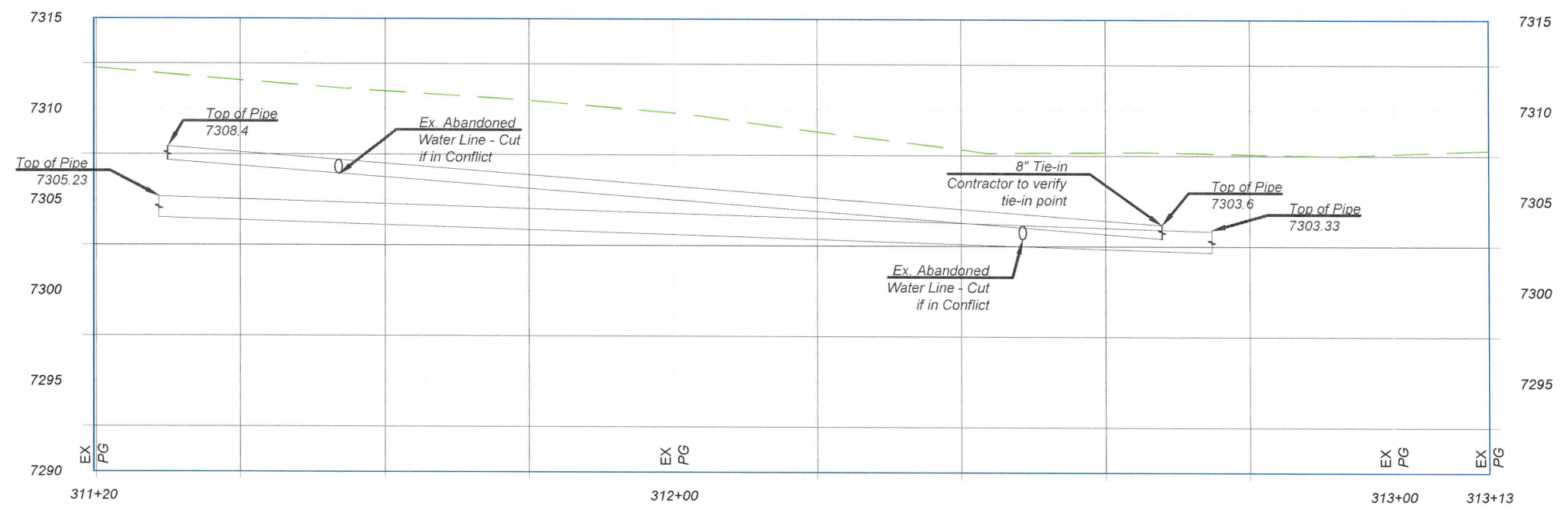
BATHUB ROW RECONSTRUCTION PROJECT
 WATER PRODUCTION LINE
 NECTAR AND 15TH



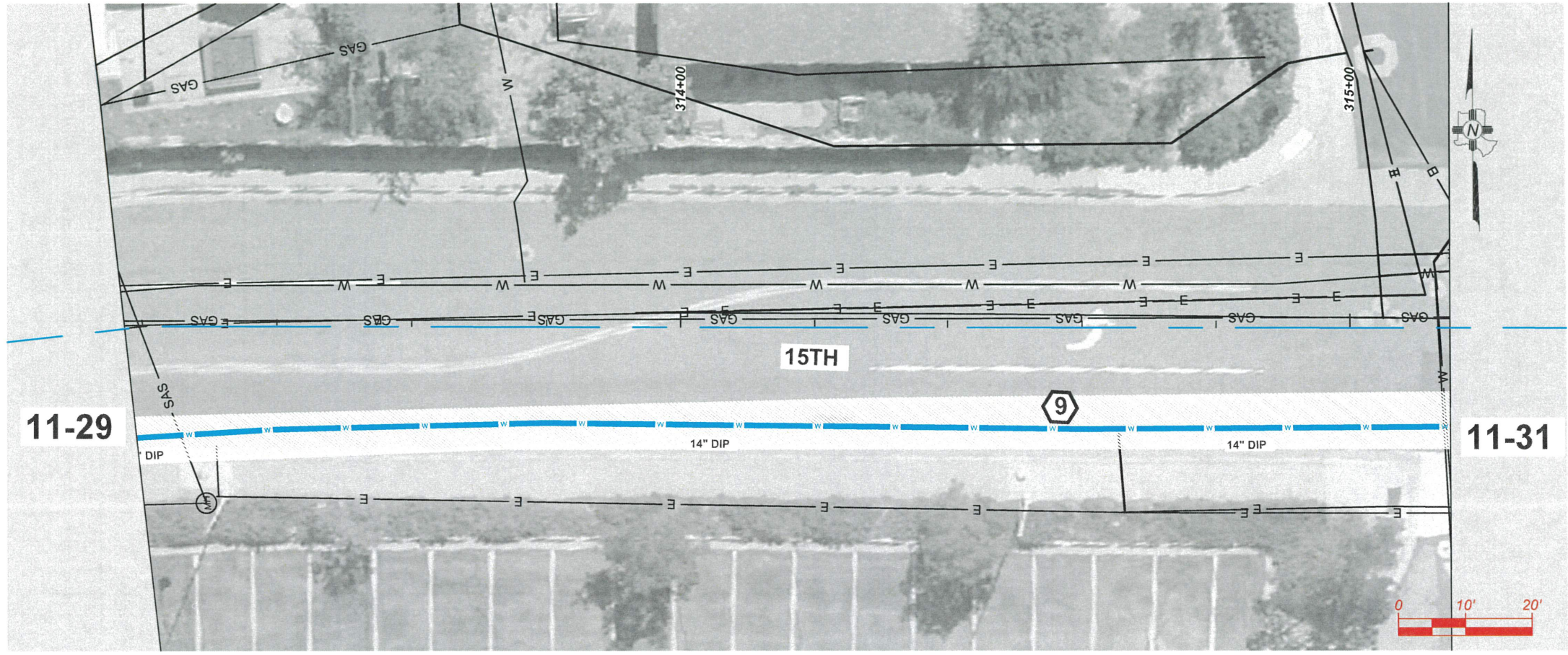
INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
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 (505) 662-8150 FAX: (505) 662-8109

SHEET
 11-29

NEW 14" DIP PROFILE - AVERAGE 1.3% GRADE



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- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
- 45° FITTING
 - 22.5° FITTING
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 - VALVE WITH VALVE BOX
- TIE-INS**
- EXISTING 14" TO HAVE POTABILITY TEST AND FLUSHING BEFORE NEW 14" TIE IN TO EXISTING 14" PIPE
 - 14" TIE IN TO EXISTING 14" PIPE. CAP AND ABANDON EXISTING PIPE IN PLACE
- OTHER**
- CAP
 - INSTALL ARV VAULT
 - REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

GENERAL NOTE
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NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
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 APPROVED BY: JM
 DATE: 5/10/2024
 SCALE: 1:20 XREF

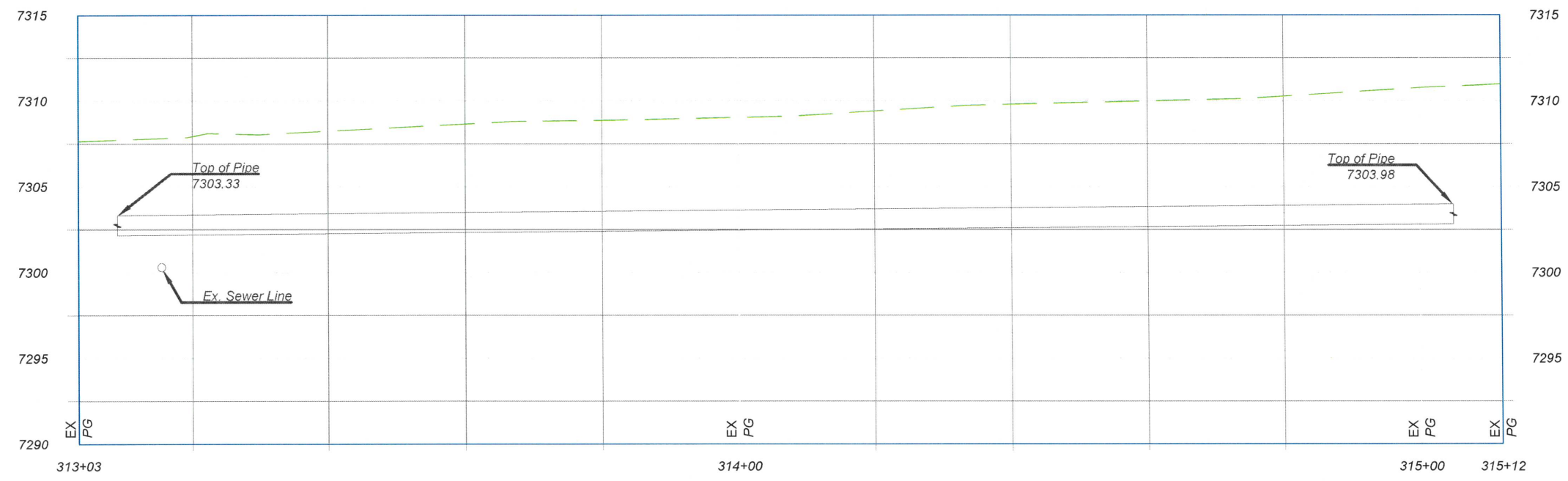
BATHTUB ROW RECONSTRUCTION PROJECT
 WATER PRODUCTION LINE
 15TH



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 PUBLIC WORKS DEPARTMENT
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 LOS ALAMOS, NEW MEXICO 87544
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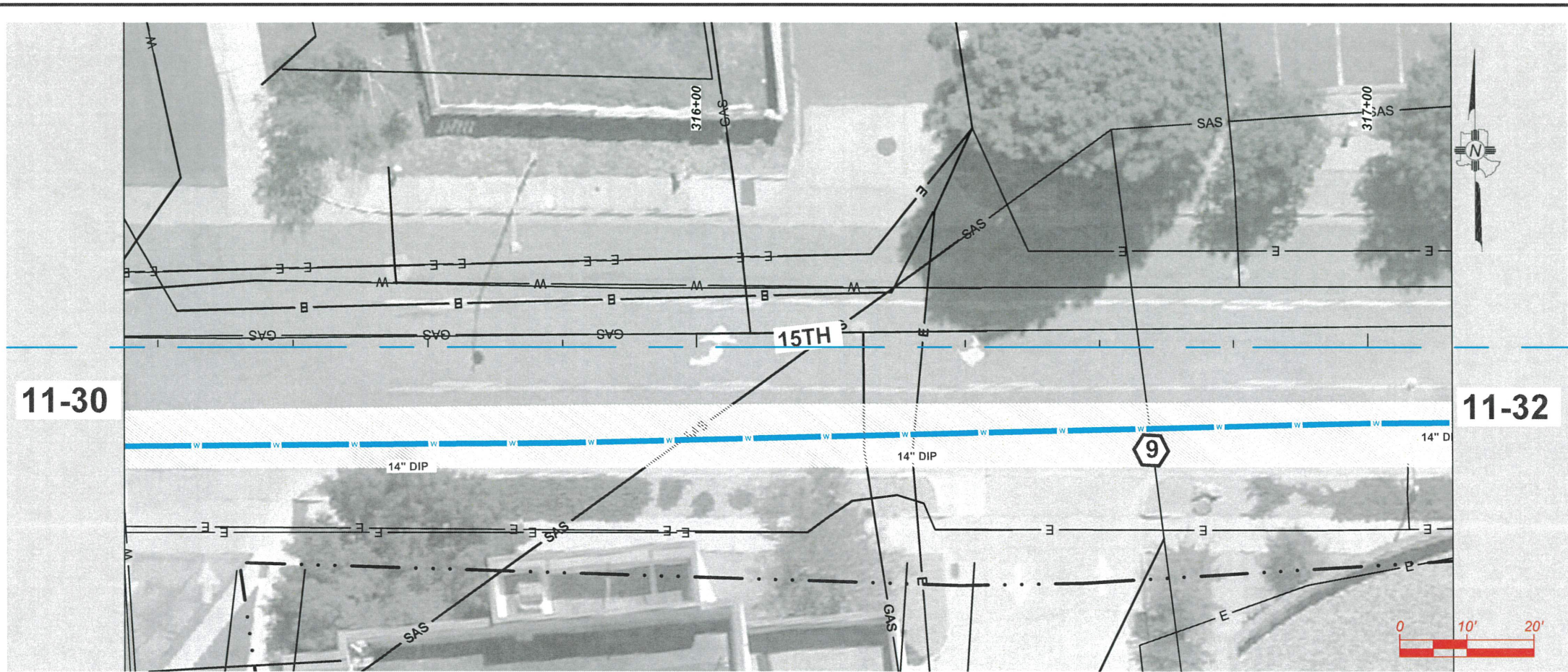


NEW 14" DIP PROFILE - AVERAGE 1/3% GRADE



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SHEET
 11-30

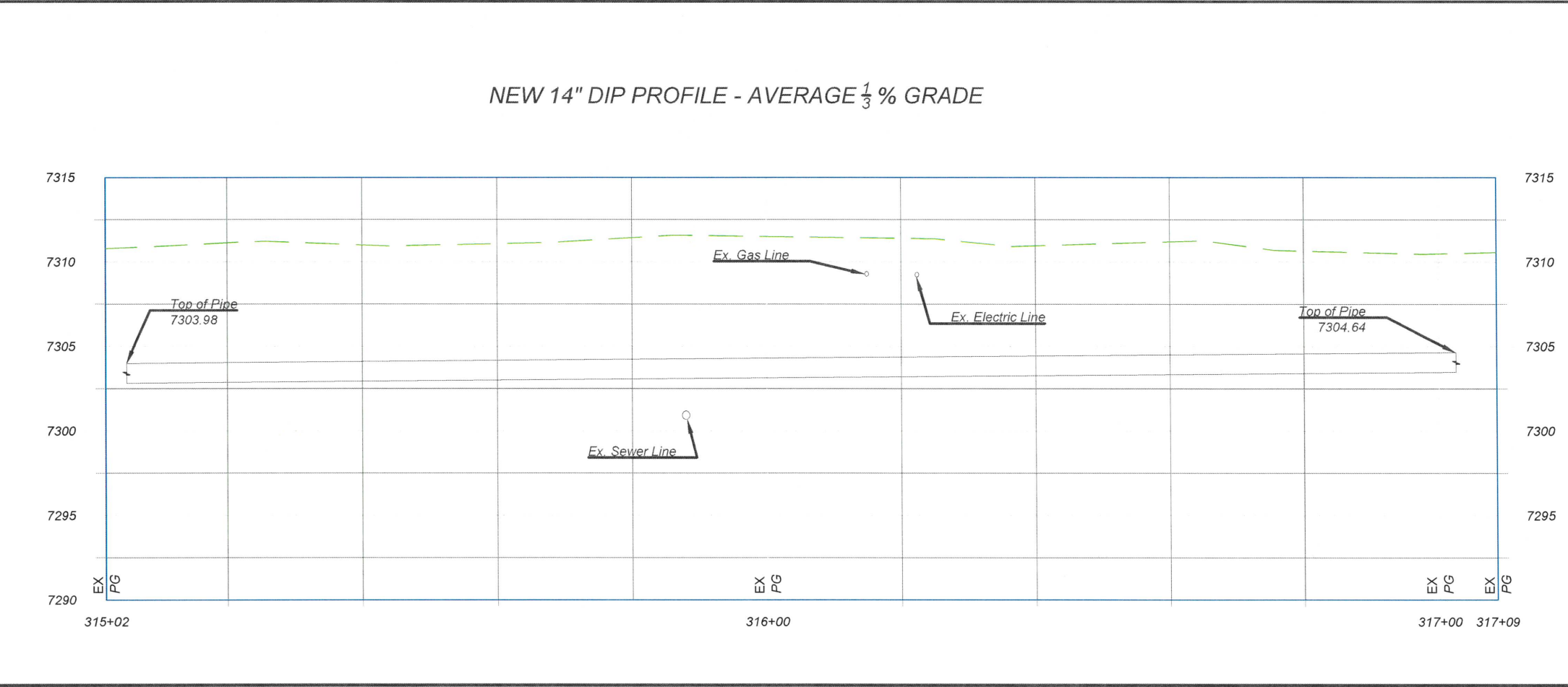


- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
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- TIE-INS**
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 - INSTALL ARV VAULT
 - REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

GENERAL NOTE
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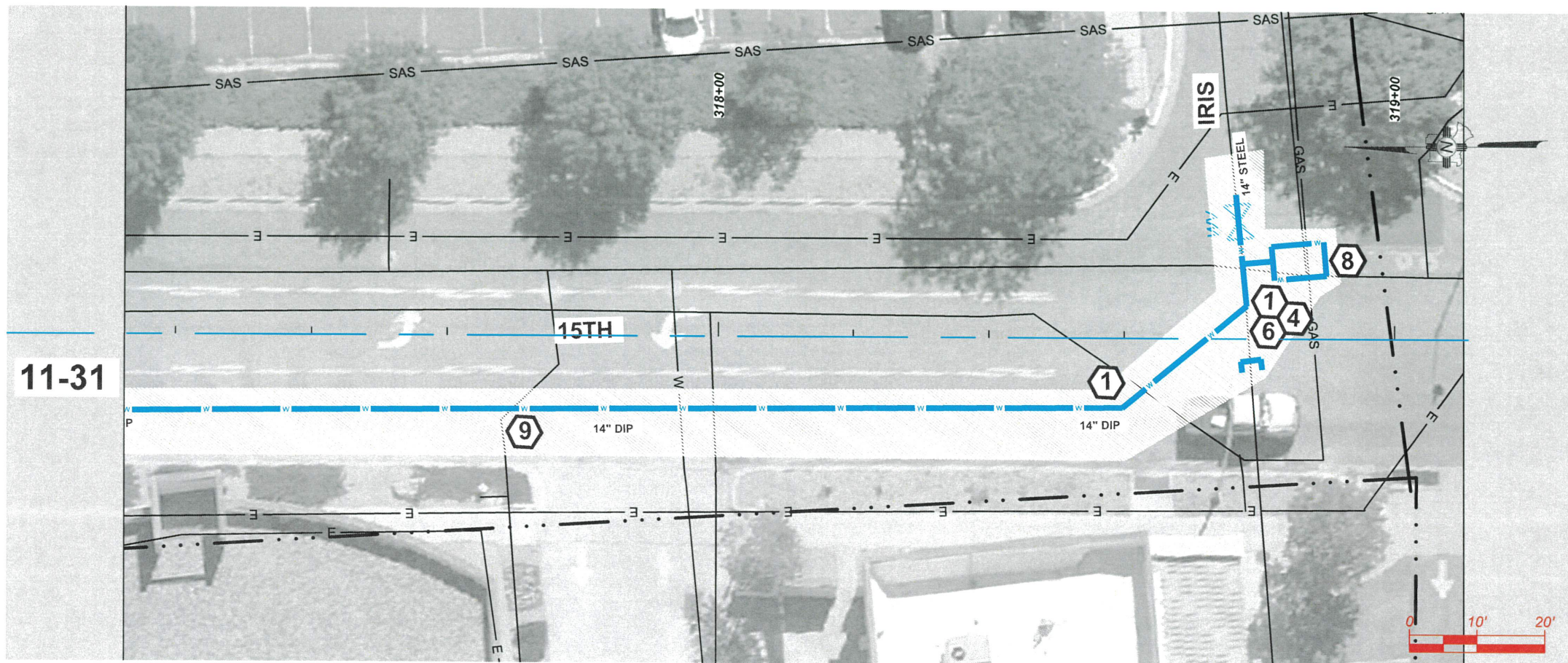
BATHTUB ROW RECONSTRUCTION PROJECT
 WATER PRODUCTION LINE
 15TH



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SHEET
 11-31

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- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
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- CAP
 - INSTALL ARV VAULT
 - REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

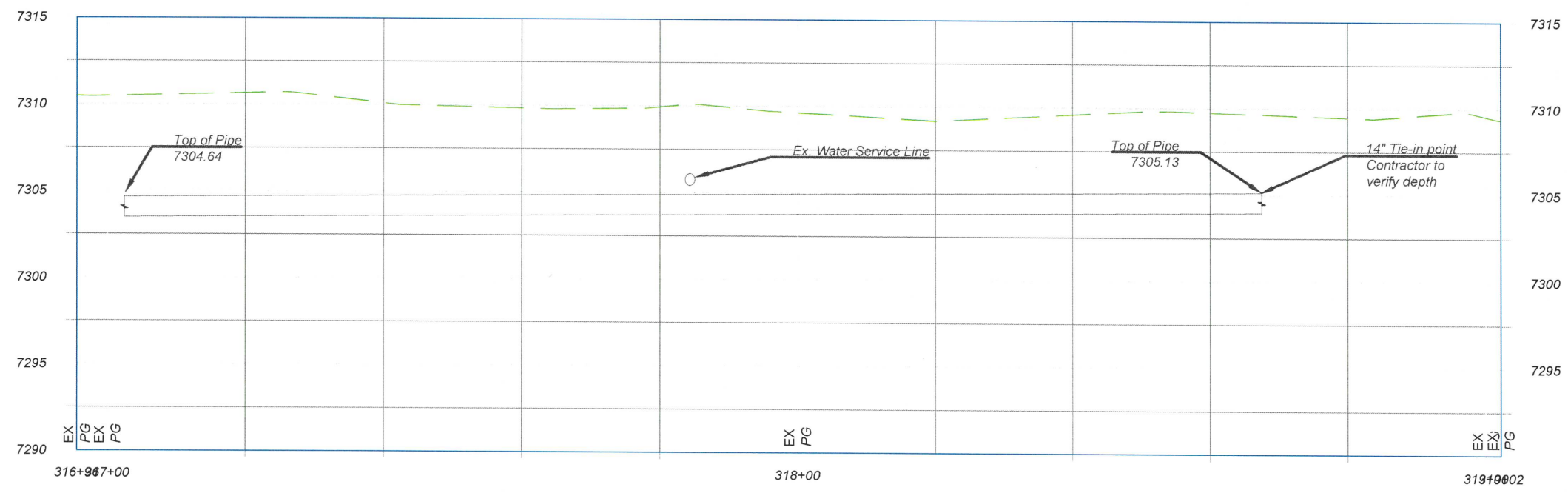
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DESIGNED BY:	CAA
DRAWN BY:	CAA
APPROVED BY:	JM
DATE:	5/10/2024
SCALE:	1:20 XREF

11-31

NEW 14" DIP PROFILE - AVERAGE 1/3 % GRADE



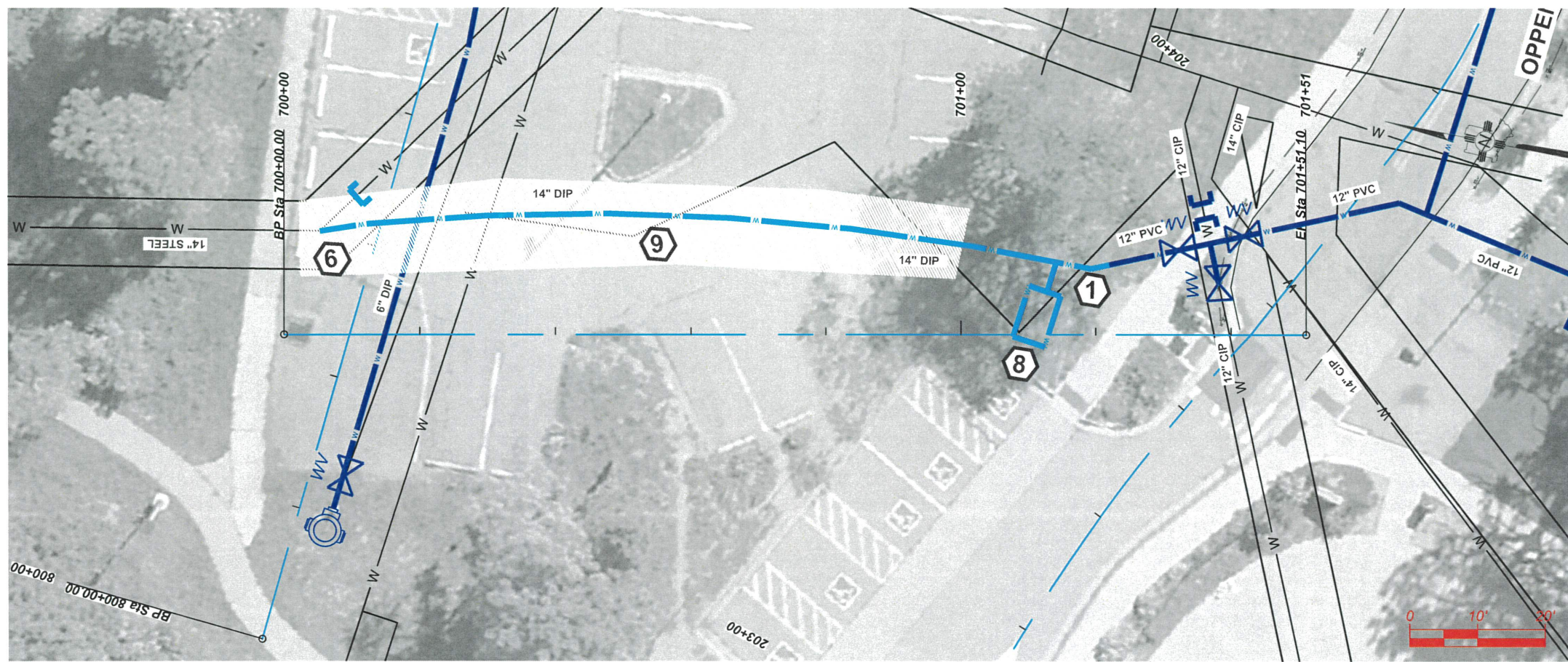
BATHTUB ROW RECONSTRUCTION PROJECT
 WATER PRODUCTION LINE
 15TH



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 PUBLIC WORKS DEPARTMENT
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SHEET
 11-32

Drawing File: L:\PROJECTS\IFB 2025 XX BATH TUB ROW\NECTAR RECON\03_DWG\SS\SSHEETS\WATER PRO.DWG



KEYNOTES
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES,
 PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS
 GIVEN FROM 11-36 THRU 11-38
 GENERAL

- 1. 45° FITTING
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- 4. VALVE WITH VALVE BOX
- 5. EXISTING 14" TO HAVE POTABILITY TEST AND FLUSHING BEFORE NEW 14" TIE IN TO EXISTING 14" PIPE
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- 7. CAP
- 8. INSTALL ARV VAULT
- 9. REMOVE AND REPLACE ASPHALT AS PER PROVIDE SHEET 2-1

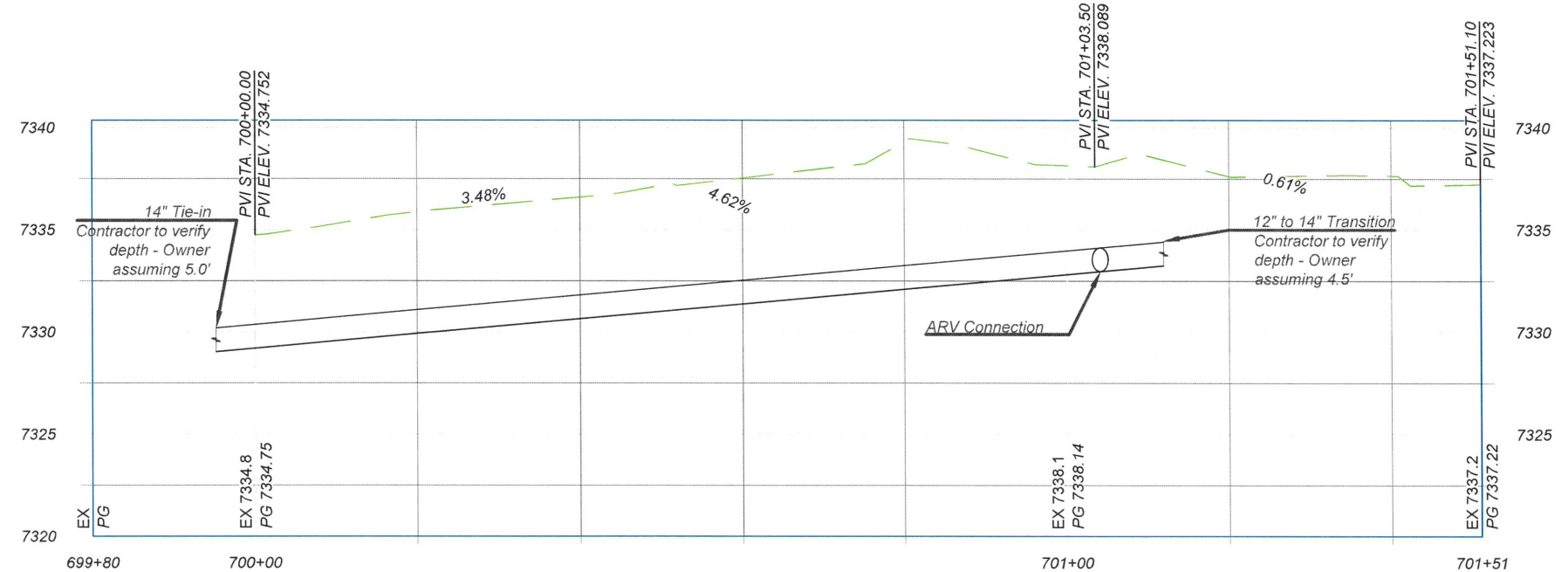
GENERAL NOTE
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NO.	REVISION DESCRIPTION
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DESIGNED BY:	CAA
DRAWN BY:	CAA
APPROVED BY:	JM
DATE:	5/10/2024
SCALE:	1:20 XREF

BATHTUB ROW RECONSTRUCTION PROJECT
 WATER PRODUCTIONS PLANS
 SENIOR CENTER-OPPENHIEMER

NEW 14" DIP PROFILE - GRADE DETERMINED BY TIE-IN POINTS



INCORPORATED COUNTY OF LOS ALAMOS
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 LOS ALAMOS, NEW MEXICO 87544
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SHEET
 11-33

Drawing File: L:\PROJECTS\IFB 2025 XX BATH TUB ROW\NECTAR RECON\03_DESIGN\CAD_DWG\SS\SSHEETS\41IN PARKING.DWG

Drawing File: L:\PROJECTS\IFB 2025 XX BATH TUB ROW\NECTAR RECON\03_DESIGN\CAD_DWG\SBATHTUBROW BASE.DWG



- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38
- GENERAL**
1. 45° FITTING
 2. 22.5° FITTING
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 4. VALVE WITH VALVE BOX
- TIE-INS**
5. EXISTING 14" TO HAVE POTABILITY TEST AND FLUSHING BEFORE NEW 14" TIE IN TO EXISTING 14" PIPE
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7. CAP
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NO.	REVISION DESCRIPTION
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DESIGNED BY: CAA
DRAWN BY: CAA
APPROVED BY: JM
DATE: 5/10/2024
SCALE: 1"=20'

BATHTUB ROW RECONSTRUCTION PROJECT
 WATER DISTRIBUTION PLAN
 NECTAR



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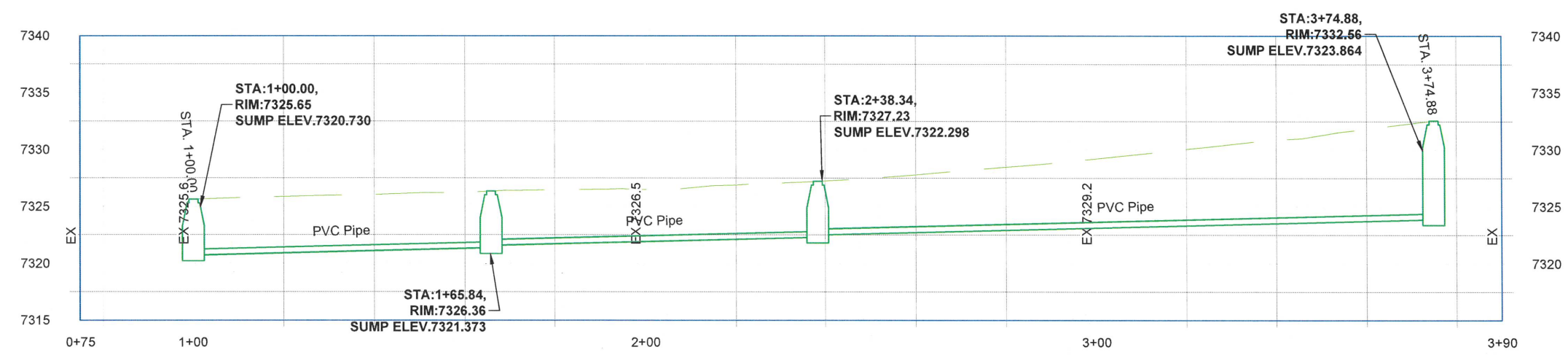
SHEET
 11-34

Drawing File: L:\PROJECTS\11-35 XX BATH TUB ROW\CONNECTAR RECON\11-35 XX BATH TUB ROW\NEW SEWER LINE (P&P SHEETS).DWG

- KEYNOTES**
 INSTALL APPROPRIATE COMPONENTS AS PER NOTES, PIPE SIZE AND TYPE ON SITE PLAN, AND PER STANDARDS GIVEN FROM 11-36 THRU 11-38 GENERAL
- 1. MANHOLE
 - 2. 8" TIE IN TO EXISTING MANHOLE. CAP AND ABANDON EXISTING PIPE INLET IN MANHOLE
 - 3. SERVICES
 - 4. 4" SERVICE LINE TO EXIST 4" SERVICE
- GENERAL NOTE**
 EXISTING UTILITIES SHOWN AND PROFILE ARE ASSUMED TO HAVE BEEN INSTALLED AS PER STANDARDS. CONTRACTOR SHALL POTHOLE AND VERIFY THE DEPTHS.

NO.	REVISION DESCRIPTION
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DESIGNED BY:	CAA
DRAWN BY:	CAA
APPROVED BY:	JM
DATE:	XXX
SCALE:	



BATHTUB ROW RECONSTRUCTION PROJECT
 SEWER PLANS
 BATHTUB ROW



INCORPORATED COUNTY OF LOS ALAMOS
 PUBLIC WORKS DEPARTMENT
 1000 CENTRAL AVE., SUITE 160
 LOS ALAMOS, NEW MEXICO 87544
 (505) 662-8150 FAX: (505) 662-8109

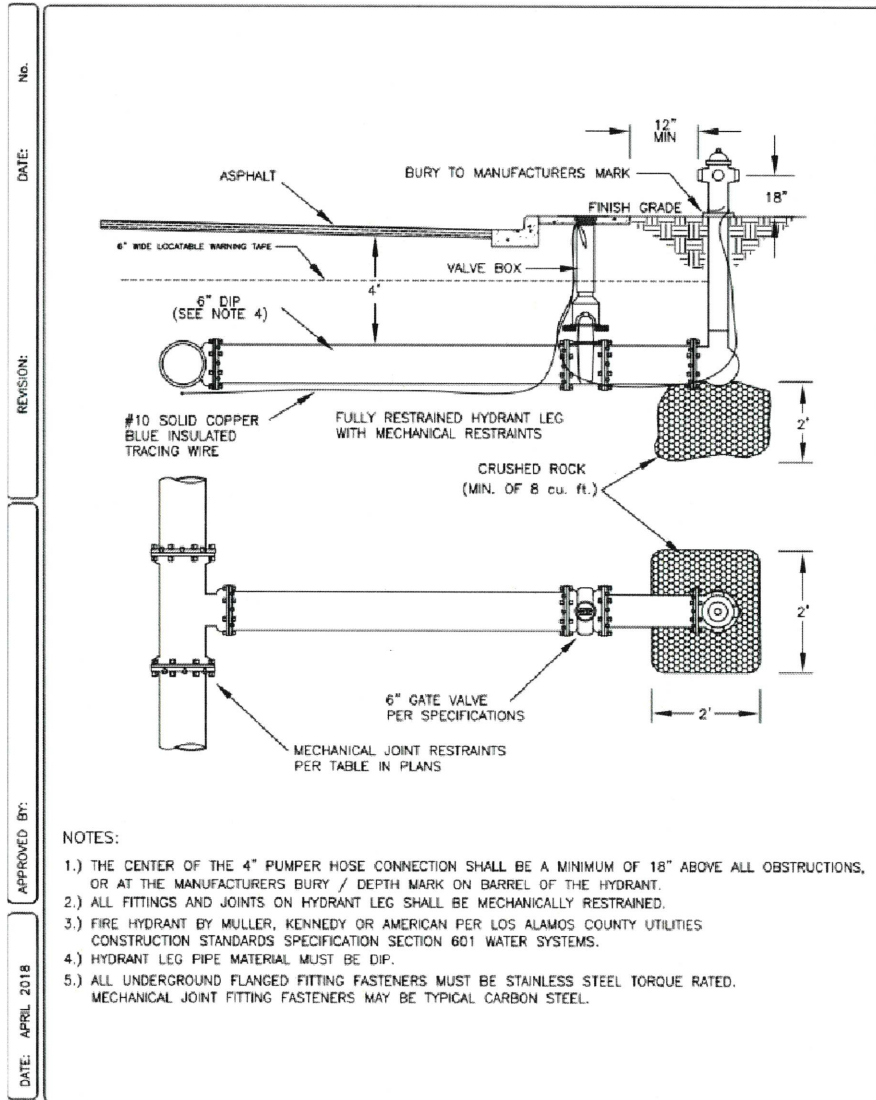
SHEET
 11-35

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LOS ALAMOS
Department of Public Utilities
Electric, Gas, Water, and Wastewater Services

UTILITY CONSTRUCTION STANDARDS - WATER
FIRE HYDRANT DETAIL

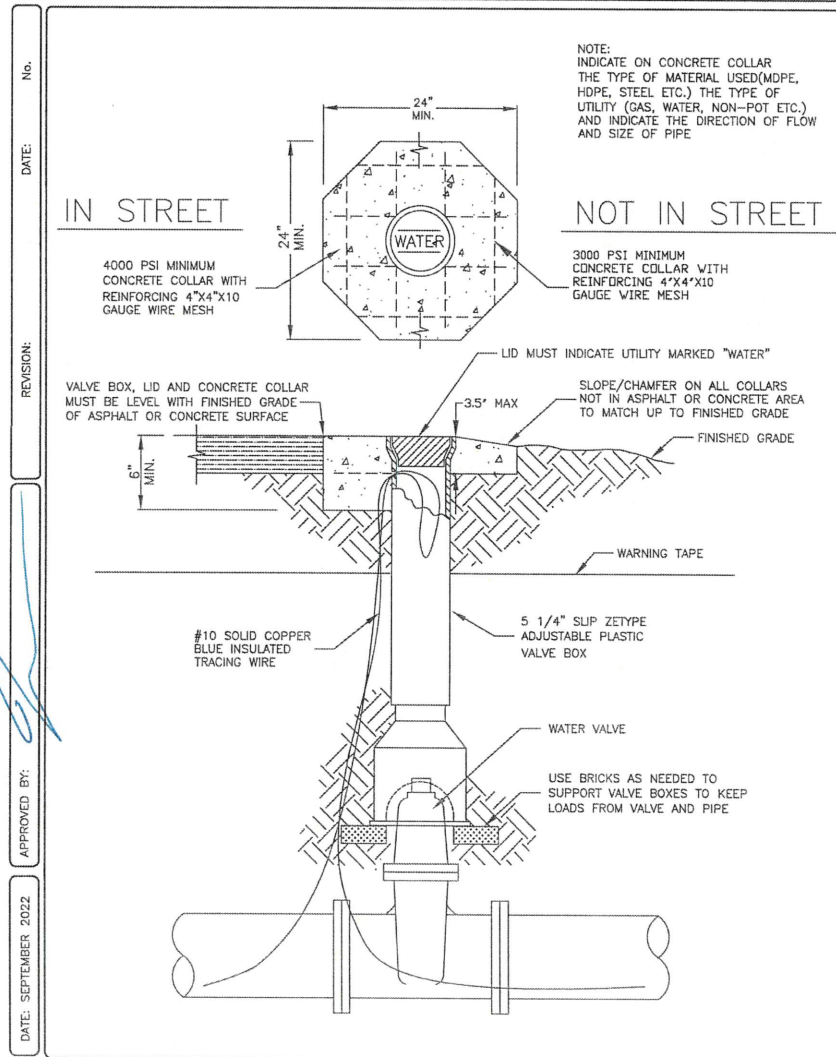
SECTION 6000
6011



LOS ALAMOS
Department of Public Utilities
Electric, Gas, Water, and Wastewater Services

UTILITY CONSTRUCTION STANDARDS - WATER
WATER VALVE BOX

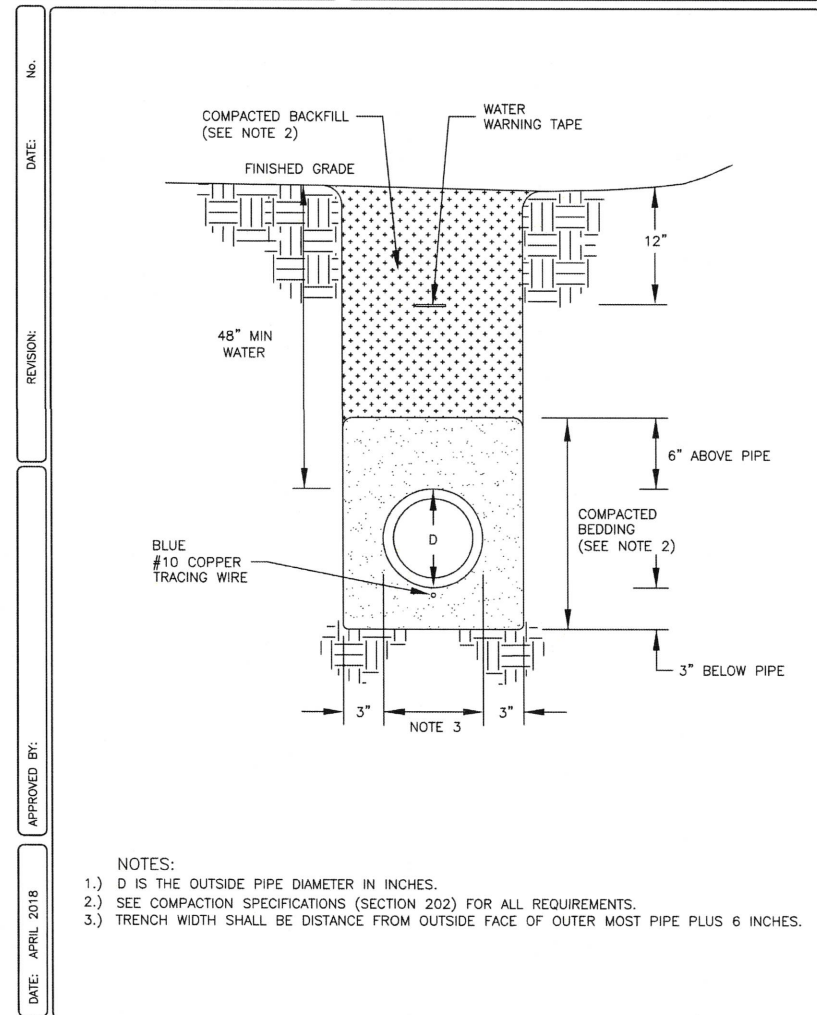
SECTION 6000
6013



LOS ALAMOS
Department of Public Utilities
Electric, Gas, Water, and Wastewater Services

UTILITY CONSTRUCTION STANDARDS - WATER
WATER MAIN TRENCH DETAIL

SECTION 6000
6009



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DATE: _____
SCALE: _____

BATHTUB ROW RECONSTRUCTION PROJECT

WATER SHEETS



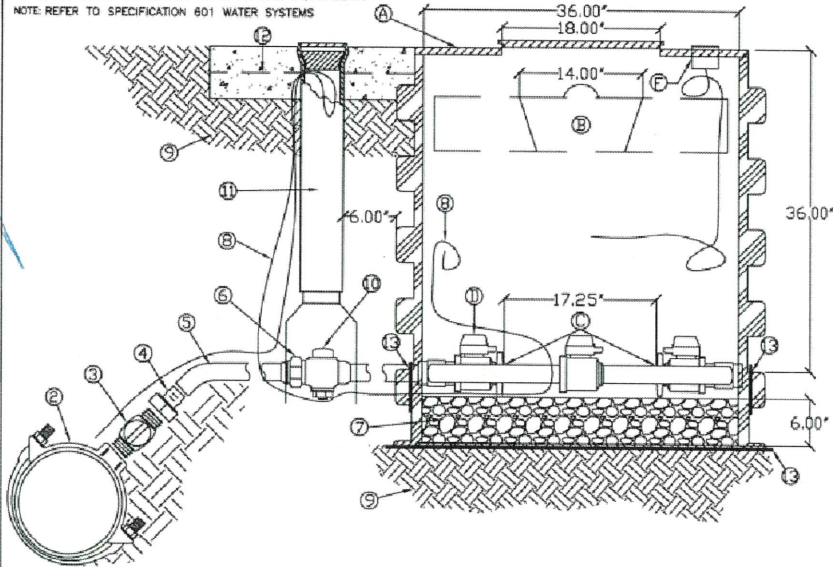
INCORPORATED COUNTY OF LOS ALAMOS
DEPARTMENT OF PUBLIC UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8333 FAX: (505) 662-8005



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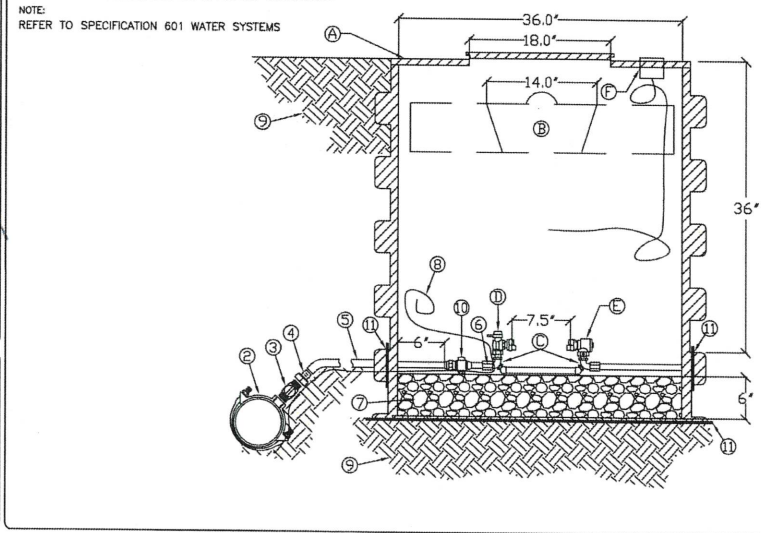
KEYED NOTES

- 1 METER BOX ASSEMBLY
- 2 36" DIA. CAST IRON METER BOX COVER WITH 18" DIA. KEY LOCK LID WITH 2" CUT OUT FOR TOUCH READ HOPE METER BOX WITH SMOOTH INTERIOR
- 3 INSULATING PAD: CLOSED CELL POLYETHYLENE PAD, 6" THICK WITH 14" INNER PAD OPENING BY IN-FACT CORPORATION
- 4 2" NO-RISE METER YOKE
- 5 2" SERVICE VALVE
- 6 2" METER FLANGE
- 7 METER TOUCH READ ATTACHMENT WITH WIRE LOOPED FOR SLACK
- 8 2" BYPASS VALVE
- 9 DUCTILE IRON BODY WITH DOUBLE STRAP SERVICE SADDLE
- 10 2" CORPORATION STOP
- 11 2" PEX x FIP BRASS FITTING
- 12 2" PEX TUBING (WIRSBO) OR TYPE-K COPPER
- 13 2" PEX TUBING TO 2" MIP BRASS FITTING
- 14 3/4" GRAVEL 6" MINIMUM THICKNESS
- 15 #10 COPPER BLUE INSULATED TRACING WIRE
- 16 FOR COMPACTION (SEE SPECIFICATION SECTION 202)
- 17 2" CURB STOP VALVE (FIP x FIP)
- 18 2" WATER CURB BOX WITH CAST IRON LID LABELED "WATER" HANDLEY OR APPROVED EQUAL
- 19 INSTALL 12" x 12" x 6" THICK CONCRETE COLLAR WITH WIRE MESH REINFORCEMENT
- 20 SEAL METER BOX BOTTOM OPENING WITH 1/4" x 1/4" STEEL MESH, 19 GAUGE OR LARGER, GALVANIZED OR 304 STAINLESS STEEL. SEAL PIPE ENTRY THROUGH METER BOX WALL WITH NON-SHRINK CEMENT GROUT, SPRAY FOAM INSULATION OR APPROVED EQUIVALENT.



KEYED NOTES

- 1 METER BOX ASSEMBLY
- 2 36" DIA. CAST IRON METER BOX COVER WITH 18" DIA. KEY LOCK LID WITH 2" CUT OUT FOR TOUCH READ HOPE METER BOX WITH SMOOTH INTERIOR
- 3 INSULATING PAD: CLOSED CELL POLYETHYLENE PAD, 6" THICK WITH 14" INNER PAD OPENING BY IN-FACT CORPORATION
- 4 5/8" x 3/4" METER YOKE, STRAIGHT LINE INLET AND OUTLET, MIP INLET AND OUTLET
- 5 ANGLE SHUT OFF VALVE
- 6 3/4" TOP ENTRY DUAL CHECK VALVE ASSE CERTIFIED (FIP x METER SADDLE NUT)
- 7 METER TOUCH READ ATTACHMENT WITH WIRE LOOPED FOR SLACK
- 8 DUCTILE IRON BODY WITH DOUBLE STRAP SERVICE SADDLE
- 9 1" CORPORATION STOP
- 10 1 EA. 1" PEX x FIP BRASS FITTING
- 11 1" PEX TUBING (WIRSBO) OR TYPE-K COPPER
- 12 1" PEX TUBING TO 3/4" MIP BRASS FITTING
- 13 3/4" GRAVEL 6" MINIMUM THICKNESS
- 14 #10 COPPER BLUE INSULATED TRACING WIRE
- 15 FOR COMPACTION(SEE SPECIFICATION SECTION 202)
- 16 1" SERVICE VALVE
- 17 SEAL METER BOX BOTTOM OPENING WITH 1/4" x 1/4" STEEL MESH, 19 GAUGE OR LARGER, GALVANIZED OR 304 STAINLESS STEEL. SEAL PIPE ENTRY THROUGH METER BOX WALL WITH NON-SHRINK CEMENT GROUT, SPRAY FOAM INSULATION OR APPROVED EQUIVALENT.



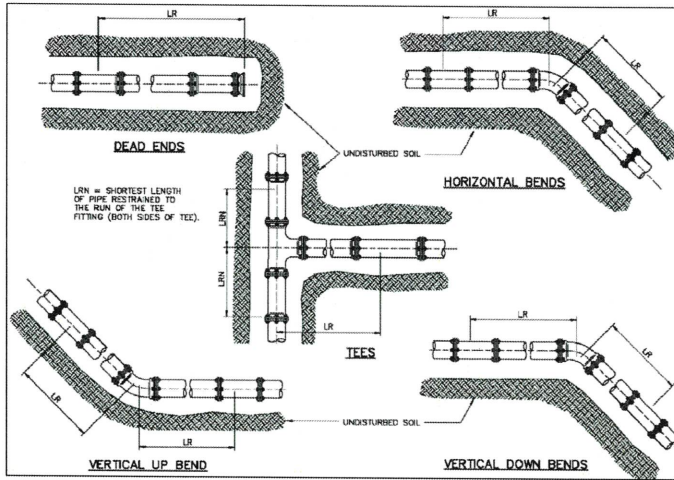
PVC Mechanical Joint Restraint Table

PIPE SIZE	BENDS				TEES			VERTICAL OFFSETS			DEAD ENDS & VALVES	
	11 1/4	22 1/2	45	90	LRN = 5	LRN = 10	LRN = 20	45		22 1/2		
	DOWN	UP	DOWN	UP	DOWN	UP	DOWN	UP	DOWN	UP		
4"	2	4	7	18	15	1	1	16	4	8	2	39
6"	2	5	10	25	30	7	1	23	5	11	3	55
8"	3	7	14	33	48	24	1	30	7	15	3	73
10"	4	8	16	39	61	37	1	36	8	17	4	88
12"	5	9	19	46	76	52	5	43	10	21	5	104

Ductile Iron/Poly Wrap Mechanical Joint Restraint Table

PIPE SIZE	BENDS				TEES			VERTICAL OFFSETS				DEAD ENDS & VALVES
	11 1/4	22 1/2	45	90	LRN = 5	LRN = 10	LRN = 18	45		22 1/2		
	DOWN BEND	UP BEND	DOWN BEND	UP BEND	DOWN BEND	UP BEND	DOWN BEND	UP BEND	DOWN BEND	UP BEND		
4"	2	4	9	21	23	1	1	24	4	12	2	59
6"	3	6	12	29	47	10	1	34	6	17	3	83
8"	4	8	16	38	74	37	1	45	8	22	4	109
10"	5	9	19	46	94	57	1	54	10	26	5	131
12"	5	11	22	54	118	80	20	64	12	31	6	155
14"	6	12	25	61	139	101	41	73	14	35	7	177
16"	7	14	29	69	162	124	63	83	15	40	7	200
18"	7	15	32	76	183	145	84	92	17	44	8	222

1. Restrained lengths provided are in feet.
2. Lr - the minimum attached length of solid pipe without joints, fittings, etc. to extend in each direction along the run of the tee.
3. Restrained lengths computed for pipe with 4" of cover from top of pipe.
4. Maximum test pressure of 150 psi.
5. All pipe joints and fittings within the restrained length specified in the table shall be restrained.



NO.	REVISION DESCRIPTION
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DESIGNED BY: _____
DRAWN BY: _____
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SCALE: _____

**BATHTUB ROW RECONSTRUCTION
PROJECT**

WATER SHEETS



INCORPORATED COUNTY
OF LOS ALAMOS
DEPARTMENT OF PUBLIC
UTILITIES
1000 CENTRAL AVE., SUITE 130
LOS ALAMOS, NEW MEXICO 87544
(505) 662-8333 FAX: (505) 662-8005

SHEET

