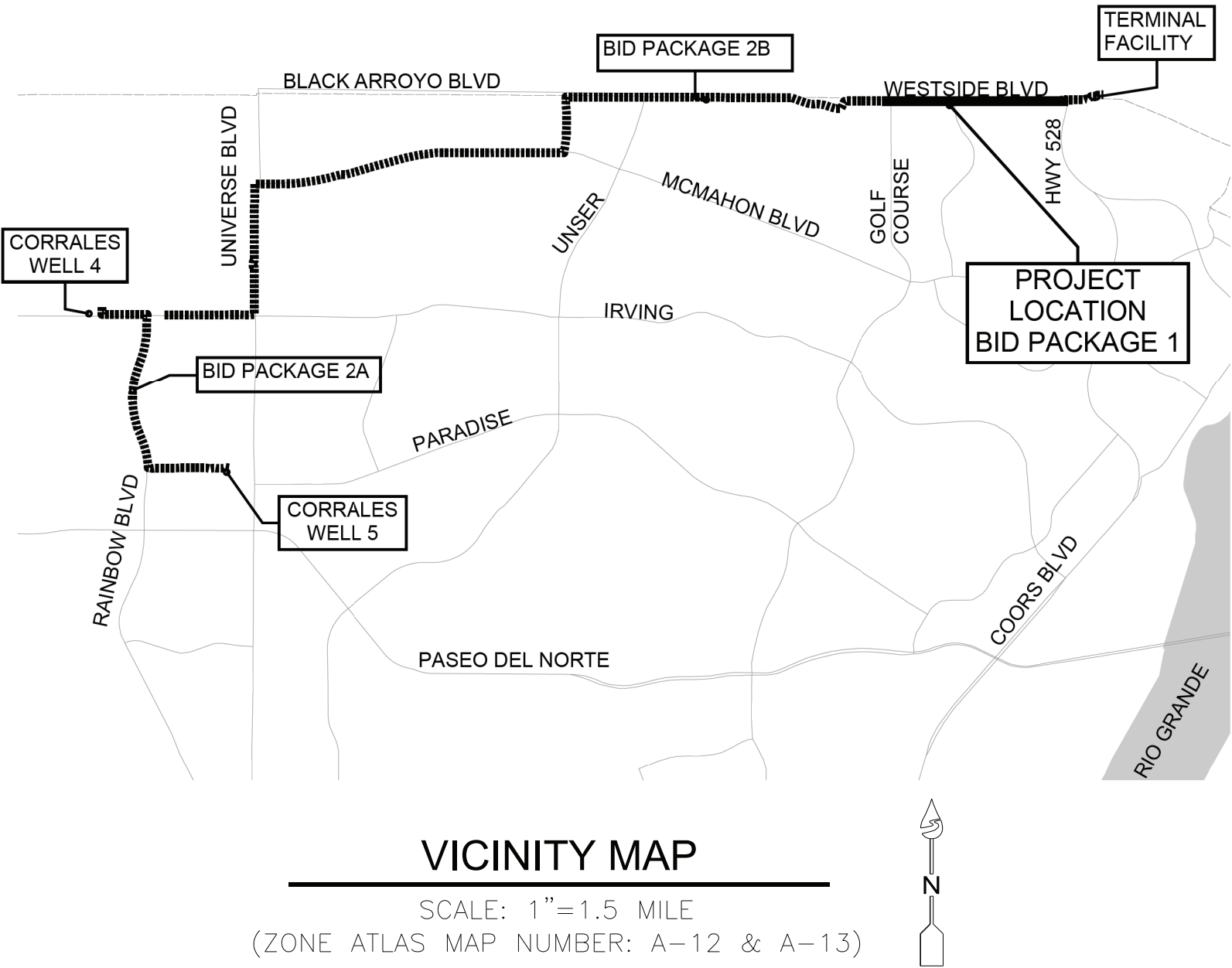




Albuquerque Bernalillo County Water Utility Authority

RECORD DRAWINGS

RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION, BID PACKAGE NO. 1 - WESTSIDE BLVD SEPTEMBER 2022



APPROVED RECORD DRAWINGS	
City Inspector	Matt Garduno
Contractor	AUI, Inc.
Construction Engineer	David Bishop
Date	4/3/2023



WATER AUTHORITY APPROVAL OF RECORD DRAWINGS

THIS SET OF DRAWINGS IS ACCEPTED FOR RECORD
PURPOSES BY:

Victoria Dery DATE: 02/14/2023
VICTORIA DERY, P.E.

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CITY OF ALBUQUERQUE PROJECT NUMBERS:	
WESTSIDE BOULEVARD WIDENING	CPN 771891
BID PACKAGE 1	CPN 771863
BID PACKAGE 2A	CPN 771864
BID PACKAGE 2B	CPN 771865

CONTACT LIST

ENTITY	NAME(S)	CONTACT INFORMATION
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY P.O. BOX 568 ALBUQUERQUE, NM 87103	VICTORIA DERY	PHONE: 505-289-3501 VDERY@ABCWUA.ORG
AMAFCA 2600 PROSPECT AVE. NE ALBUQUERQUE, NM 87107	DESIGN REVIEW ENGINEER: NICOLE FRIEDT FIELD ENGINEER: NOLAN BENNETT	PHONE: 505-884-2215 NFRIEDT@AMAFCA.ORG
CITY OF ALBUQUERQUE CITY SURVEYOR P.O. BOX 1293 ALBUQUERQUE, NM 87102	LOREN RISENHOOVER	PHONE: 505-768-3614 LRISENHOOVER@CABQ.GOV
CITY OF ALBUQUERQUE CONSTRUCTION SERVICES DIVISION P.O. BOX 1293 ALBUQUERQUE, NM 87102	BRYAN WOLFE	PHONE: 505-924-3400 BWOLFE@CABQ.GOV
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT (TRAFFIC ENGINEERING) P.O. BOX 1293 ALBUQUERQUE, NM 87102	N/A	PHONE: 505-768-3830 OR 311
PNM ELECTRIC MAIL STOP ES10 4201 EDITH BLVD. N.E. ALBUQUERQUE, NM 87107	STELLA MURDOCH	PHONE: 505-241-3369 STELLA.MURDOCH@PNM.COM
NEW MEXICO GAS MAIL STOP GS66 4625 EDITH BLVD. NE ALBUQUERQUE, NM 87107	DANNA DOMINGUEZ	PHONE: 505-697-3139 DANNA.DOMINGUEZ@NMGCO.COM

RECORD DRAWINGS

THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON
INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO
REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT
NOR MANNER OF CONSTRUCTION. THE DESIGN PROFESSIONAL
HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS
OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY
ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN
AS A RESULT.

INDEX OF DRAWINGS

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WELL COLLECTOR PIPELINE FROM CORRALES WELL 5 TO CONTROL TANK		
6	PP-201	PLAN AND PROFILE POB STA 1999+95 TO 2006+00
7	PP-202	PLAN AND PROFILE STA 2006+00 TO STA 2014+00
8	PP-203	PLAN AND PROFILE STA 2014+00 TO STA 2022+00
9	PP-204	PLAN AND PROFILE STA 2022+00 TO STA 2030+00
10	PP-205	PLAN AND PROFILE STA 2030+00 TO STA 2038+00
11	PP-206	PLAN AND PROFILE STA 2038+00 TO POE STA 2043+96.78
DETAILS		
12	DT-01	ABCWUA STANDARD DETAILS
13	DT-02	ABCWUA STANDARD DETAILS
14	DT-03	ABCWUA STANDARD DETAILS
	DT-04	NOT USED
	DT-05	NOT USED
15	DT-06	STANDARD DETAILS
16	DT-07	WATER LINE LOWERING
17	DT-08	CAV DETAIL 2350B

SURVEYOR'S CERTIFICATION

I, TIM SOLINSKI, A DULY QUALIFIED, REGISTERED, PROFESSIONAL LAND SURVEYOR
UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE
AS-BUILT INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM FIELD
CONSTRUCTION AND "AS-BUILT" INFORMATION SHOWN ON THESE DRAWINGS WAS
ADDED BY ME OR UNDER MY SUPERVISION, AND THAT THIS "AS-BUILT" INFORMATION
IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. AUI, INC. IS
NOT RESPONSIBLE FOR ANY OF THE DESIGN CONCEPTS, CALCULATIONS,
ENGINEERING, OR INTENT OF THE RECORD DRAWINGS.

Tim Solinski January 4, 2023
Timothy Solinski, PS DATE



CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, JILL L. PETERSON, of the firm JACOBS ENGINEERING, a Licensed Professional
Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and
belief, that the infrastructure installed as shown on these Record Drawings has been
constructed in accordance with the original design intent of the approved plans RAW
WATER TRANSMISSION PIPELINE TO INTEL CORPORATION, BID PACKAGE
NO. 1 - WESTSIDE BLVD. This Certification is based upon information provided by
the contractor and has been incorporated into these Record Drawings. I further certify
that Jacobs Engineering, verified substantial compliance with the plans and specifications
as provided by AUI, INC. This certification does not constitute a guarantee of absolute
accuracy or completeness, but is believed to be an accurate representation of the
improvements built under this project.

Jacobs

3271 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

ENGINEER STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****
	DRC CHAIRPERSON			APPROVED FOR CONSTRUCTION
	TRANSPORTATION			
	WATER/WASTEWATER			
	HYDROLOGY			CITY ENGINEER DATE
	PARKS			
	CONST. MGMT.			
	CONST. COORD.			
	WATER AUTHORITY			
	CONSTRUCTION			
	PROJECT NO.			

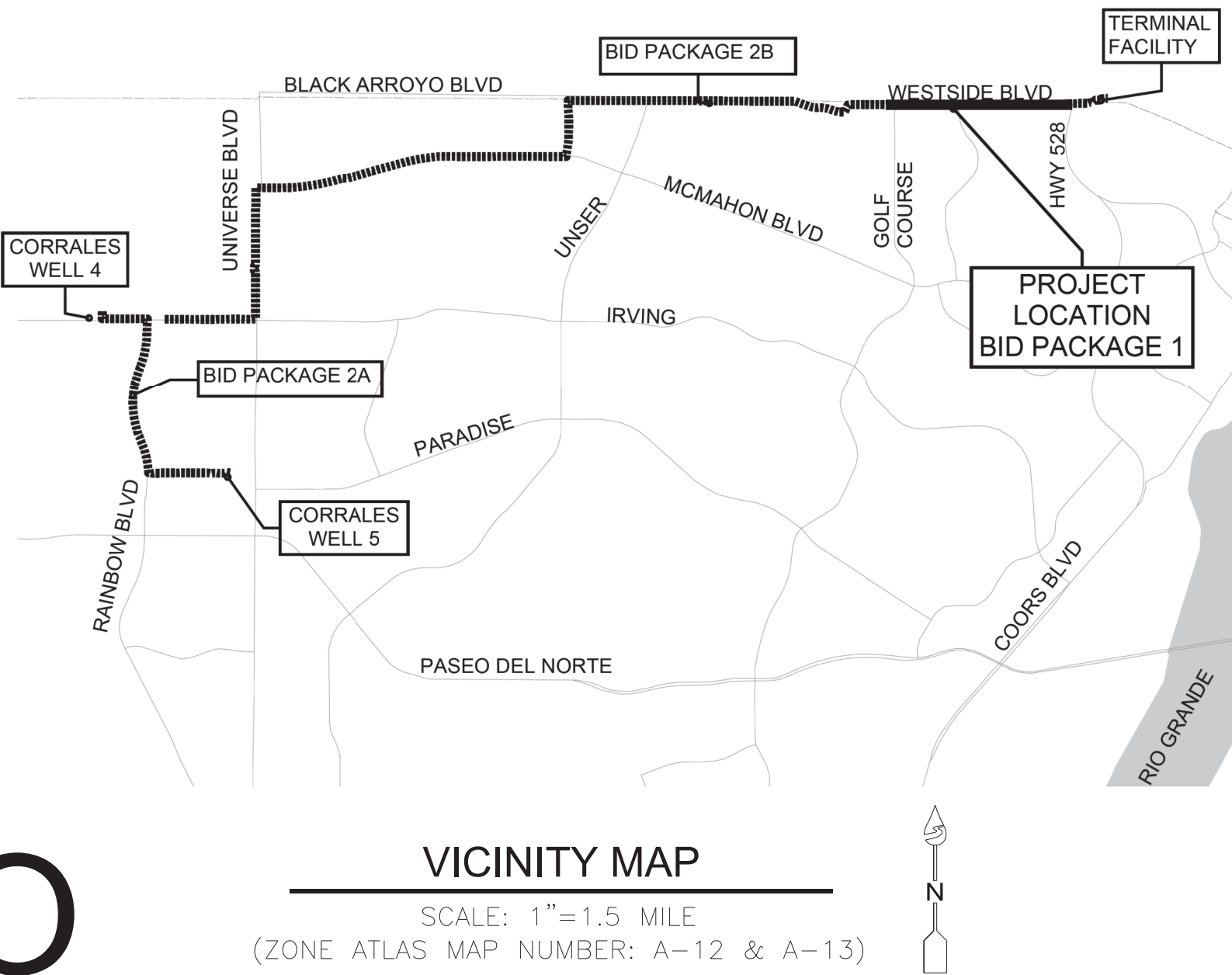
CPN 771863
A/E PROJECT NO. 2302.005

SHEET 1 OF 17



Albuquerque Bernalillo County Water Utility Authority

CONSTRUCTION DRAWINGS FOR RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION, BID PACKAGE NO. 1 - WESTSIDE BLVD DECEMBER 2021



CITY OF ALBUQUERQUE PROJECT NUMBERS:	
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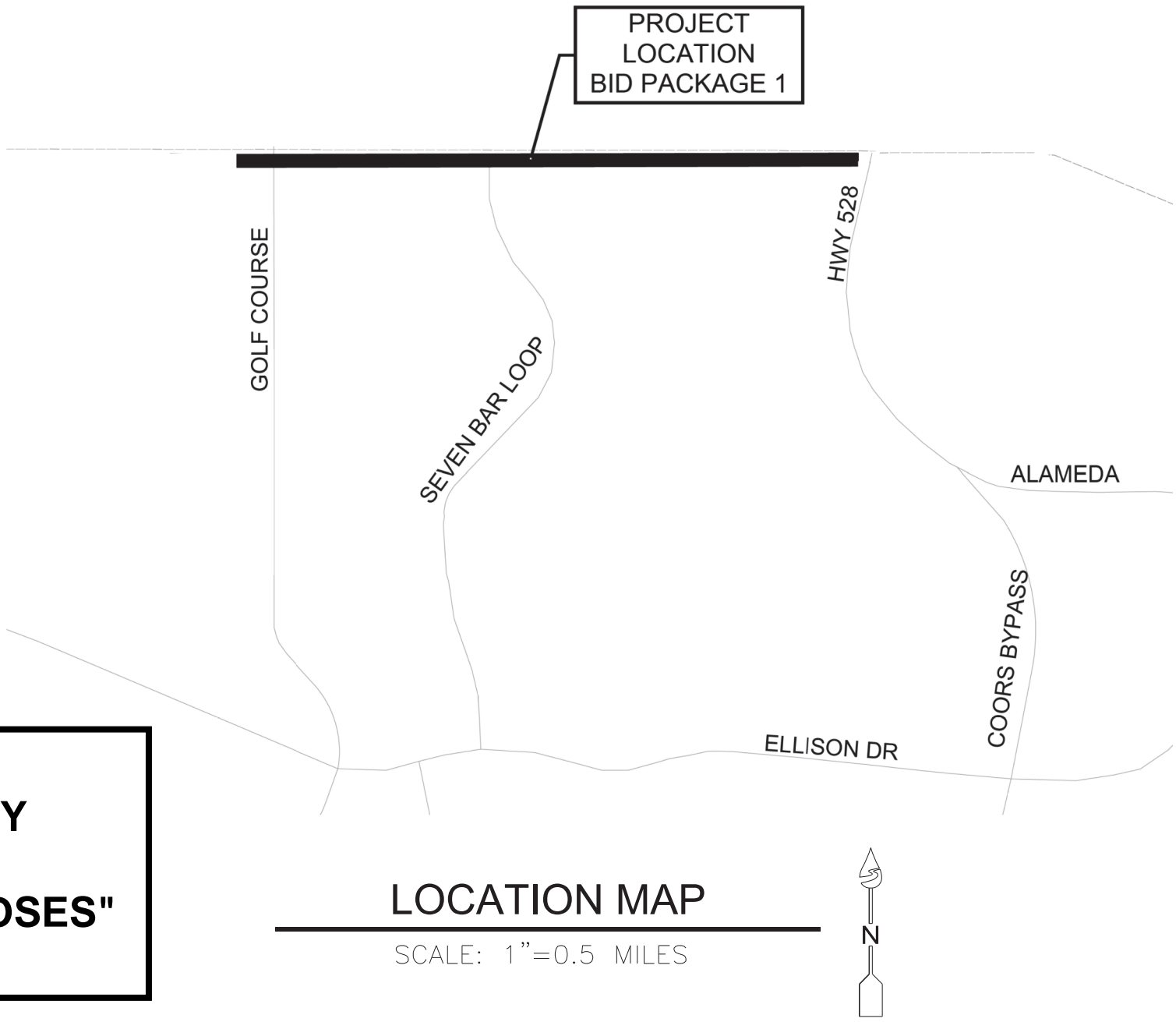
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THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"



Jacobs

3271 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

ENGINEER STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION
	DRC CHAIRPERSON		12/21/2021	APPROVED FOR CONSTRUCTION City Engineer, Feb. 10, 2022
	TRANSPORTATION		12/20/2021	
	WATER/WASTEWATER		12/20/2021	
	HYDROLOGY		12/20/21	
	PARKS		12/20/21	
2320.030XX CPN 771863				CITY ENGINEER DATE 2/10/2022
SHEET 1 OF 19				

RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION, BID PACKAGE NO. 1 WESTSIDE BLVD

GENERAL NOTES:

1.

CONTACT NEW MEXICO ONE CALL, INC., 1-800-321-2537 OR 811, FOR LOCATION OF EXISTING UTILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATION.

2.

CONTACT CITY OF ALBUQUERQUE (COA) TRAFFIC ENGINEERING (505-857-8000) FOR LOCATIONS OF TRAFFIC INTERCONNECT WIRING AND OTHER TRAFFIC SIGNAL EQUIPMENT.

3.

CONSTRUCT WORK DETAILED UNDER THESE DRAWINGS PER THE CONTRACT SPECIFICATIONS FOR THIS PROJECT, IN ACCORDANCE WITH WATER AUTHORITY STANDARD DRAWINGS, AND IN ACCORDANCE WITH COA STANDARD DRAWINGS AND SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (CURRENT EDITION). CONTRACT DOCUMENTS FOR THIS PROJECT SUPERSEDE WATER AUTHORITY AND COA DRAWINGS AND SPECIFICATIONS.

4.

QUANTITIES SHOWN FOR UNIT PRICE BID ITEMS ARE FOR COMPARISON ONLY. WATER AUTHORITY SHALL BASE PAYMENTS TO CONTRACTOR FOR UNIT PRICE BID ITEMS ON ACTUAL QUANTITIES, DETERMINED AS PROVIDED IN CONTRACT DOCUMENTS.

5.

KEEP CONSTRUCTION SITE AND OTHER AREAS FREE FROM ACCUMULATIONS OF WASTE MATERIALS, RUBBISH, AND OTHER DEBRIS. CONFORM TO APPLICABLE LAWS AND REGULATIONS WHEN REMOVING AND DISPOSING OF WASTE MATERIALS, RUBBISH, AND OTHER DEBRIS - INCIDENTAL TO CONTRACT.

6.

DO NOT STORE OR PARK EQUIPMENT IN FRONT OF PRIVATE RESIDENCES OVERNIGHT. MAINTAIN A GRAFFITI-FREE WORK SITE AND PROMPTLY REMOVE GRAFFITI FROM EQUIPMENT (PERMANENT AND TEMPORARY).

7.

CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY, AND FOR KNOWLEDGE AND COMPLIANCE WITH APPLICABLE OSHA STANDARDS -INCIDENTAL TO CONTRACT.

8.

MAINTAIN TRENCHES IN SAFE CONDITION PROTECTING WORKERS AND PUBLIC. PROTECT TRENCH IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P. SLOPE, BRACE, OR SHORE EXCAVATIONS AS REQUIRED BY OSHA REGULATIONS.

9.

BACKFILL OR PROPERLY FENCE OPEN EXCAVATIONS AT END OF EACH WORKDAY. BACKFILL OPEN EXCAVATIONS WHEN CONTRACTOR WILL NOT BE WORKING AT ON-SITE THE FOLLOWING DAY.

10.

AN EXCAVATION / CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING WORK WITHIN CITY RIGHT-OF-WAY.

11.

PROVIDE AND MAINTAIN CONSTRUCTION SIGNING UNTIL WATER AUTHORITY AND COA HAVE ACCEPTED THE PROJECT.

12.

COA NOISE CONTROL ORDINANCE FORBIDS LOUD CONSTRUCTION NOISE BETWEEN THE HOURS OF 10:00 PM AND 7:00 AM.

13.

DO NOT LOCATE PUMPS OR COMPRESSORS REQUIRED TO RUN FOR THE DURATION OF THE WORK ADJACENT TO RESIDENTIAL PROPERTY; IF UNAVOIDABLE, EMPLOY NOISE ABATEMENT SOLUTIONS.

14.

NOTIFY COA GEODETIC SURVEY (768-3609) NOT LESS THAN THREE (3) WORKING DAYS PRIOR TO STARTING WORK THAT WILL AFFECT ANY EXISTING GEODETIC SURVEY MONUMENT. REPLACE COA GEODETIC SURVEY, AT CONTRACTOR'S EXPENSE, ACS MONUMENT DAMAGED OR DESTROYED DUE TO FAILURE OF CONTRACTOR TO NOTIFY AS STATED ABOVE.

15.

NOTIFY ENGINEER NO LESS THAN SEVEN (7) CALENDAR DAYS PRIOR TO STARTING WORK SO THAT THE COA GEODETIC SURVEY MAY TAKE NECESSARY MEASURES TO ENSURE PRESERVATION OF OTHER PERMANENT SURVEY MONUMENTS (NON-ACS). DO NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT CONSENT OF THE ENGINEER. EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION IS AT THE EXPENSE OF THE CONTRACTOR. REPLACEMENT MUST BE PERFORMED BY THE COA GEODETIC SURVEY. WHEN A CHANGE IS MADE IN FINISHED ELEVATION OF PAVEMENT OF ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, ADJUST MONUMENT COVER TO NEW GRADE, UNLESS OTHERWISE SPECIFIED, AT CONTRACTOR EXPENSE.

16.

NOTIFY UTILITY OWNERS 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITY DISRUPTING UTILITY SERVICE. SUPPORT AND MAINTAIN OPERATIONAL UTILITIES EXPOSED DURING TRENCHING AND OTHER CONSTRUCTION OPERATIONS, COORDINATED WITH UTILITY OWNER PRIOR TO ANY DISTURBANCE INVOLVING GAS, POWER, WATER, FIBER OPTIC, TRAFFIC SIGNAL EQUIPMENT, OR OTHER UTILITY LINES.

17.

DUE TO INCREASED TRAFFIC VOLUMES EXCAVATION AND/OR BARRICADING PERMITS WILL NOT BE ISSUED FOR WORK AFFECTING HIGH TRAFFIC AREAS BEFORE AND DURING THE STATE FAIR, THE BALLOON FIESTA, AND THE HOLIDAY SHOPPING SEASON. SEE WWW.CABQ.GOV FOR CONSTRUCTION MORATORIUM EFFECTIVE DATES AND MAP OF AREAS. WORK AFFECTING BIKE TRAIL ALONG THE DOMINGO BACA CHANNEL WILL NOT BE ALLOWED DURING BALLOON FIESTA MORATORIUM.

18.

CONTRACTOR TO USE THE LATEST ONLINE VERSION OF CITY OF ALBUQUERQUE'S STANDARD DRAWINGS. THOSE DETAILS CAN BE ACCESSED WITH THE FOLLOWING LINK: <https://www.cabq.gov/planning/building-development-service/design-review-construction-forms>

CONSTRUCTION NOTES:

1.

ABIDE BY LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS.

2.

PRIOR TO CONSTRUCTION, DETERMINE EXACT HORIZONTAL AND VERTICAL LOCATION AND SIZE OF PERTINENT EXISTING UTILITIES AND / OR OBSTRUCTIONS THAT MAY IMPACT THE ALIGNMENT. SHOULD A CONFLICT EXIST, NOTIFY THE ENGINEER SO THE CONFLICT CAN BE RESOLVED WITHOUT A DELAY. COORDINATE RELOCATION OF UTILITY LINES WITH AFFECTED UTILITY COMPANIES AS REQUIRED. MARK EXACT LOCATION OF ENCOUNTERED UTILITIES AND NEW WATERLINE ON AS-BUILT DRAWINGS.

3.

PROTECT THE EXISTING PUBLIC AND PRIVATE UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE UNLESS OTHERWISE NOTED ON THE PLANS AND APPROVED BY THE ENGINEER.

4.

LIMIT CONSTRUCTION ACTIVITY TO THE RIGHTS-OF-WAY AND EASEMENTS, PROPERTY LIMITS AND/OR PROJECT LIMITS OF DISTURBANCE. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.

5.

REPLACE PROPERTY CORNERS DESTROYED DURING CONSTRUCTION AT CONTRACTOR'S EXPENSE. RESET PROPERTY CORNER BY A NEW MEXICO REGISTERED PROFESSIONAL SURVEYOR.

6.

SAWCUT PAVEMENT WITH UNIFORM EDGE AND SPRAY WITH A TACK COAT PRIOR TO PAVEMENT PLACEMENT. PER COA, USE PARALLEL OR ORTHOGONAL PAVEMENT CUTS ONLY, NO DIAGONAL CUTS IN EXISTING PAVEMENT PER COA STD. DWG. 2465. WHEN ABUTTING NEW PAVEMENT TO THE EXISTING INTERSECTING STREETS SAWCUT THE EXISTING PAVEMENT PER COA TO A STRAIGHT LINE AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. SAW CUTTING IS CONSIDERED INCIDENTAL TO PAVING, THEREFORE, NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING. CONTACT COA TO REQUEST AN INSPECTOR TO VERIFY PAVEMENT THICKNESS.

7.

WHEN ABUTTING NEW CURB AND GUTTER TO EXISTING PAVEMENT, SAWCUT, REMOVE, AND REPLACE A 1' WIDE SECTION OF EXISTING PAVEMENT ADJACENT TO THE CURB AND GUTTER AS PER THE COA STANDARD DRAWING 2465.

8.

SUPPORT EXPOSED EXISTING UTILITIES INCLUDING SEWER SERVICE LATERALS SUSPENDED ACROSS OR PARALLEL WITH TRENCH EXCAVATION. PROVIDE A SUPPORT PLAN FOR WATER, SANITARY SEWER, AND STORM DRAIN UTILITIES GREATER THAN 16 INCHES, UNLESS OTHERWISE REQUESTED, WHERE THE NEW PIPELINE IS CONSTRUCTED UNDERNEATH THE NEW UTILITY.

9.

UTILIZE FLOWABLE FILL WHERE NOTED ON PLANS OR WHEREVER BACKFILL MATERIAL CAN NOT BE PLACED AND COMPACTED PER SPECIFICATION BETWEEN THE NEW PIPE LINE AND EXISTING UTILITIES OR IF THE VERTICAL SEPARATION BETWEEN THE NEW PIPE LINE AND EXISTING UTILITY IS LESS THAN 18-INCHES OR IF REQUIRED BY THE DRAWINGS. THIS COST IS INCIDENTAL TO BACKFILL COSTS.

10.

STRUCTURAL CONCRETE TO BE 4000 PSI UNLESS OTHERWISE NOTED ON PLANS OR SPECIFICATIONS.

11.

ENCASE BURIED DUCTILE IRON PIPE IN PURPLE POLYETHYLENE SHEETING PER SUPPLEMENTAL SPECIFICATION SECTION 801.

12.

LIMIT LENGTH OF OPEN TRENCH TO 40 FEET MAXIMUM. TRENCH TO BE FENCED EVERY NIGHT AND DURING NON-WORKING HOURS.

13.

CONTRACTOR TO DESIGN, PROVIDE AND INSTALL TEMPORARY SUPPORT FOR EXISTING UTILITIES WHERE CROSSING.

14.

ALL CONSTRUCTION WORK TO BE IN ACCORDANCE WITH COA STANDARD SPECIFICATIONS 2020 EDITION.

WATER NOTES:

1.

COORDINATE WITH ABCWUA AT LEAST SEVEN (7) WORKING DAYS PRIOR TO WATER VALVE SHUTOFFS. NO ONE WITHOUT WRITTEN PERMISSION OR DIRECT SUPERVISION FROM THE WATER AUTHORITY FIELD DIVISION SUPERVISOR MAY OPERATE VALVE OR FIRE HYDRANT PER STANDARD SPECIFICATION SECTION 18.3. CONTRACTOR IS RESPONSIBLE FOR TIMING AND COORDINATION OF WATER VALVE SUT-OFF/TURN-ON REQUESTS. CONTRACTOR TO SUBMIT AN ELECTRONIC WATER MAIN SHUT-OFF/TURN-ON REQUEST VIA <https://www.abcwua.org/info-for-business-water-shut-off-and-turn-on-procedures/>

2.

NOTIFY ABCWUA FIELD AND COA FIRE DEPARTMENT AT LEAST SEVEN (7) WORKING DAYS IN ADVANCE OF ANY FIRE HYDRANT TAKEN OUT OF AND RETURNED TO SERVICE - REFER TO STANDARD SPECIFICATIONS.

3.

FIELD VERIFY WATERLINE CONNECTIONS TO EXISTING FACILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION TO ALLOW OBTAINING CORRECT ADAPTERS AND OTHER FITTINGS.

4.

INSTALL NEW WATERLINES AT ENGINEERED HORIZONTAL AND VERTICAL CONTROL SHOWN IN THE PLAN AND PROFILE DRAWINGS. PERFORM SURVEY STAKING A MINIMUM OF EVERY 100 FEET PER COA SPECIFICATION SECTION 4, AVAILABILITY OF LANDS; PHYSICAL CONDITIONS; REFERENCE POINTS.

5.

PLACE ELECTRONIC MARKER DEVICES (EMD) ACCORDING TO STANDARD SPECIFICATION SECTION 170 - INCIDENTAL TO CONTRACT.

6.

PROVIDE TEMPORARY WATER SERVICE FOR ANY RESIDENCE, SCHOOL, OR BUSINESS THAT WILL BE OUT OF SERVICE MORE THAN FOUR (4) HOURS. SHOEFLY WATERLINE BYPASS IS AN OPTION FOR TEMPORARY SERVICE - INCIDENTAL TO CONSTRUCTION.

7.

CONTRACTOR IS RESPONSIBLE FOR TIMING AND COORDINATION OF WATER VALVE SUT-OFF/TURN-ON REQUESTS. CONTRACTOR TO SUBMIT AN ELECTRONIC WATER MAIN SHUT-OFF/TURN-ON REQUEST VIA <https://www.abcwua.org/info-for-business-water-shut-off-and-turn-on-procedures/>. SUBMIT REQUEST FOR WATER SHUT-OFF OR TURN-ON AT LEAST FOURTEEN (14) WORKING DAYS IN ADVANCE FOR MAINS DESIGNATED AS A TRANSMISSION LINE MASTER PLAN LINE, COLLECTOR OR WELL COLLECTOR LINE. REQUESTS MADE AFTER 8:00 A.M. WILL BE LOGGED IN AND SCHEDULED ON THE FOLLOWING WORK DAY AND THE FOURTEEN (14) WORKING DAY REQUIREMENT WILL COMMENCE.

SEWER NOTES:

1.

UNDER NO CIRCUMSTANCE SHALL SEWAGE OR SOLIDS REMOVED FROM MANHOLES BE DISCHARGED ONTO STREETS OR INTO DITCHES, CATCH BASINS, STORM DRAINS, OR SANITARY SEWER MANHOLES, CLEANOUTS, OR DUMPS.

2.

IF SEWAGE SPILLS ONTO PUBLIC OR PRIVATE PROPERTY, WASH DOWN, CLEAN UP, AND DISINFECT THE SPILLAGE AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF WATER AUTHORITY AND THE PROPERTY OWNER. SEE SPECIFICATION SECTION 33 01 30.51, SEWAGE FLOW CONTROL.

PAVEMENT/DRAINAGE/CITY OF ALBUQUERQUE/RIO RANCHO:

1.

SUBMIT TO ENGINEER, WATER AUTHORITY, COA AND CITY OF RIO RANCHO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION. OBTAIN BARRICADING AND CONSTRUCTION PERMITS FROM COA AND / OR BERNALILLO COUNTY AND / OR CITY OF RIO RANCHO AS APPROPRIATE TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. NOTIFY COA CONSTRUCTION SERVICES (505-924-3400) PRIOR TO OCCUPYING AN INTERSECTION.

2.

DURING CONSTRUCTION, REPAIR OR REPLACE DAMAGE TO EXISTING FACILITIES AND INFRASTRUCTURE INCLUDING UTILITIES, VALVE BOXES, MANHOLES, SEWER SERVICES, PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, SIDEWALKS AND OTHER EXISTING FEATURES. REPAIR OR REPLACE PER UTILITY AGENCY, COA, WATER AUTHORITY, RIO RANCHO, AND OWNER OF THE INFRASTRUCTURE STANDARDS AT CONTRACTOR'S EXPENSE.

3.

ANY PAVEMENT, OR CURB AND GUTTER REMOVAL AND REPLACEMENT ASSOCIATED WITH REPLACEMENT OF WATER SERVICE LINES IS INCIDENTAL TO THE SERVICE LINE REPLACEMENT.

4.

ADJUST WATER VALVE BOXES AND SEWER MANHOLES WITHIN NEW PAVEMENT TO FINISH GRADE PER COA AND ABCWUA STANDARDS.

5.

RESTORE FINISHED GRADES TO EXISTING GRADES UNLESS OTHERWISE DIRECTED BY ENGINEER. MAKE SMOOTH TRANSITIONS BETWEEN EXISTING GRADE REMAINING IN PLACE AND FINISHED GRADE.

6.

REPLACE STREET STRIPING AND MARKINGS ALTERED OR DESTROYED WITH RETRO-REFLECTIVE PREFORMED THERMOPLASTIC PAVEMENT MARKINGS BY CONTRACTOR TO SAME LOCATION AS EXISTING.

7.

WITHIN ALBUQUERQUE CITY LIMITS, REPLACE ARTERIAL/COLLECTOR AND MAJOR LOCAL ASPHALT PAVEMENT IN ACCORDANCE WITH COA STANDARD SPECIFICATIONS AND STANDARD DRAWING 2465 AND REPLACE RESIDENTIAL PAVEMENT PER STANDARD DRAWING 2405A UNLESS OTHERWISE STATED IN THE DRAWINGS.

8.

CONTRACTOR IS RESPONSIBLE FOR SITE SOIL MANAGEMENT TO MEET THE R-VALUE REQUIREMENT OF 25 OF THE UPPER TWO (2) FEET OF PAVEMENT SUBGRADE SOIL. WITHIN THE CITY ROW, MAINTAIN THE EXISTING R-VALUE. IF THE R-VALUE OF PAVEMENT MATERIAL FAILS TO MEET THE REQUIRED VALUE BY MORE THAN SIX (6) R-VALUE UNITS, A LABORATORY R-VALUE TEST MAY BE REQUIRED AS DIRECTED BY THE ENGINEER. REMOVE AND REPLACE MATERIAL NOT MEETING THE REQUIRED R-VALUE WITH THE MATERIAL HAVING AT LEAST THE DESIGN R-VALUE OR REDESIGN THE PAVEMENT SECTION. VERIFY CONTRACTOR MATERIALS QUALITY CONTROL THROUGH THE ENGINEER.

9.

DURING CONSTRUCTION OF NEW WORK, INSTALL ANY TEMPORARY DRAINAGE MEASURES NECESSARY TO SAFELY CONVEY STORM WATER RUNOFF TO EXISTING OUTFALLS. INSTALL SILT FENCES AND SEDIMENT CONTROL MEASURES AS SHOWN IN THE SWPPP. ANY DAMAGES TO PRIVATE PROPERTY OR IMPROVEMENTS CONSTRUCTED BY THE CONTRACTOR RESULTING FROM STORM WATER FLOWS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC NOTES:

1.

DO NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES WITH OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT. DO NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.

2.

COORDINATE WITH THE CITY OF ALBUQUERQUE, AND / OR BERNALILLO COUNTY PUBLIC WORKS, AND / OR CITY OF RIO RANCHO WHICHEVER APPLICABLE CONSTRUCTION COORDINATION DIVISION, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.

3.

ENSURE THAT BARRICADES AND CONSTRUCTION SIGNING CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.

4.

CONSECUTIVE MAJOR ARTERIALS MAY NOT HAVE CONCURRENT LANE CLOSURES. WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY FOUR HOUR CONSTRUCTION.

5.

EXTEND SUBGRADE PREP ONE FOOT BEYOND THE FREE EDGE OF NEW CURB AND GUTTER AND SIDEWALK.

6.

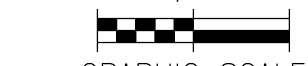
PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL.

7.

MAINTAIN A MINIMUM 10 FOOT HORIZONTAL SEPARATION BETWEEN WATER AND SEWER LINES AND MAINTAIN A MINIMUM OF 18 INCH VERTICAL SEPARATION AT A WATERLINE CROSSING A SEWER LINE. WHERE A WATERLINE PASSES BENEATH OR LESS THAN 18 INCH ABOVE AN EXISTING SEWER LINE, ENCASE THE SEWER LINE IN CONCRETE 6 INCH THICK AS DETAILED IN C.O.A. STD. DWG. 2140, FOR AT LEAST 10 FT. USE D.I. OR GASKETED PRESSURE RATED (MIN PRESSURE RATING 150PSI) PVC PIPE WITH GASKETED PRESSURE TYPE JOINTS FOR AT LEAST 10FT ON EACH SIDE OF THE WATERLINE, OR THE SEWER LINE AND APPLY WHERE A PARALLEL WATERLINE IS LESS THAN 10 FT HORIZONTALLY AND LESS THAN 2 FT ABOVE THE SEWER LINE. HYDROSTATICALLY TEST SEWER LINE TO 150PSI FOR 2 HOURS. RESTRAIN JOINTS FOR THIS TEST.

CPN 771863

REDRAWN FOR RECORD PURPOSES

RECORD DRAWINGS	SCALE:		DESIGN TRACKING		SUBMITTED BY:		AS BUILT INFORMATION		ENGINEER'S SEAL		<div>ALBUQUERQUE BERNALILLO COUNTY</div> <div>WATER UTILITY AUTHORITY</div> <div>TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION, BID PACKAGE NO. 1 – WESTSIDE BLVD</div> <div>GENERAL NOTES</div>								
	<div>ATTENTION</div> <div>0 1/2" 1"</div> <div></div> <div>GRAPHIC SCALE</div> <div>THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)</div>		DESIGNED BY:	M COUTURE	DATE:	12/2021	CONTRACTOR	AUI, INC	<div>THIS DOCUMENT IS AN ELECTRONIC COPY. ORIGINAL DOCUMENT WAS ISSUED AND SEALED ON 12/17/2021. THE ORIGINAL DOCUMENT IS STORED AT THE OFFICES OF JACOBS ALBUQUERQUE, NM.</div>	<div>5/31/2022</div>									
			DRAWN BY:	C LAMB	DATE:	12/2021	CONSTRUCTION BEGIN DATE	3/01/2022											
			CHECKED BY:	E FORD	DATE:	12/2021	INSPECTOR'S ACCEPTANCE BY	JACOBS											
												WATER AUTHORITY CONSTRUCTION PROJECT NO.	ZONE MAP NO.	SHEET					
												2320.03001							
												A-12 & A-13							
												G-2							

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SCALE:		DESIGN TRACKING	
1"=		DESIGNED BY:	M COUTURE
		DATE:	12/2021
		DRAWN BY:	C LAMB
		DATE:	12/2021
		CHECKED BY:	E FORD
		DATE:	12/2021
		CROSS CHK'D BY:	W CHRISTOFFERSON
		DATE:	12/2021
		APPROVED BY:	J PETERSON
		DATE:	12/2021
		MAPS/RECORDS INFO.	
		— — —	

JACOBS

3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

AS BUILT INFORMATION	
CONTRACTOR	AUI, INC
CONSTRUCTION BEGIN DATE	3/01/2022
INSPECTOR'S ACCEPTANCE BY	JACOBS
DATE	5/31/2022
INSPECTOR'S NAME	L KOIKE/V TORRES
SUBSTANTIAL COMPLETION DATE	5/31/2022
DRAWINGS CORRECTED BY	JACOBS
DATE	8/2022


























ENGINEER'S SEAL	
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ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION, BID PACKAGE NO. 1 – WESTSIDE BLVD		
GENERAL NOTES		
WATER AUTHORITY CONSTRUCTION PROJECT NO.	2320.03001	ZONE MAP NO.
A-12 & A-13		SHEET
G-2		

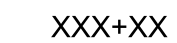









2 OF 17

LEGEND:




EXISTING CIVIL LEGEND

	W	WATER LINE
	SS	SANITARY SEWER
	SSFM	SANITARY SEWER FORCE MAIN
	G	GAS LINE
	E-OVH	OVERHEAD ELECTRIC
	E	BURIED ELECTRIC
	T	BURIED TELEPHONE
	CTV	CABLE
	FO	UNDERGROUND FIBER OPTIC
	SD	STORM DRAIN
	EL	EASEMENT LINE
		FENCE
		CURB/EDGE OF ROAD
		TELEPHONE/ELECTRIC/LIGHT POLE
		WATER SERVICE METER
		HYDRANT
		WATER VALVE
		WATER MANHOLE
		STORM DRAIN MANHOLE
		SANITARY SEWER MANHOLE
	PB	FIBER OPTIC EQUIPMENT
	FO	ELECTRIC EQUIPMENT
	E	TELEPHONE EQUIPMENT
	EM	TELEPHONE EQUIPMENT
	TV	TELEPHONE EQUIPMENT

CIVIL LEGEND

	XXX+XX	PIPELINE
		WORK LIMITS
		TRENCH EXCAVATION LIMITS
		PROPERTY LINE, RIGHT-OF-WAY
		CAV / VACUUM BREAKER
		BLOWOFF
		BUTTERFLY VALVE
		SURVEY CONTROL POINT
		POTHOLE LOCATION
		GEOTECH BORING

SURVEY QUALITY LEVEL

	X IS THE UTILITY AND NO LETTER INDICATES SURVEY QUALITY LEVEL B. THIS LEVEL PROVIDES THE POSITION OF SUBSURFACE UTILITIES WITHING APPROXIMATELY 1 FT ACCURACY
	X IS THE UTILITY AND C IS THE SURVEY QUALITY LEVEL. THIS LEVEL IS OBTAINED FROM VISIBLE ABOVE GROUND UTILITY FEATURES.
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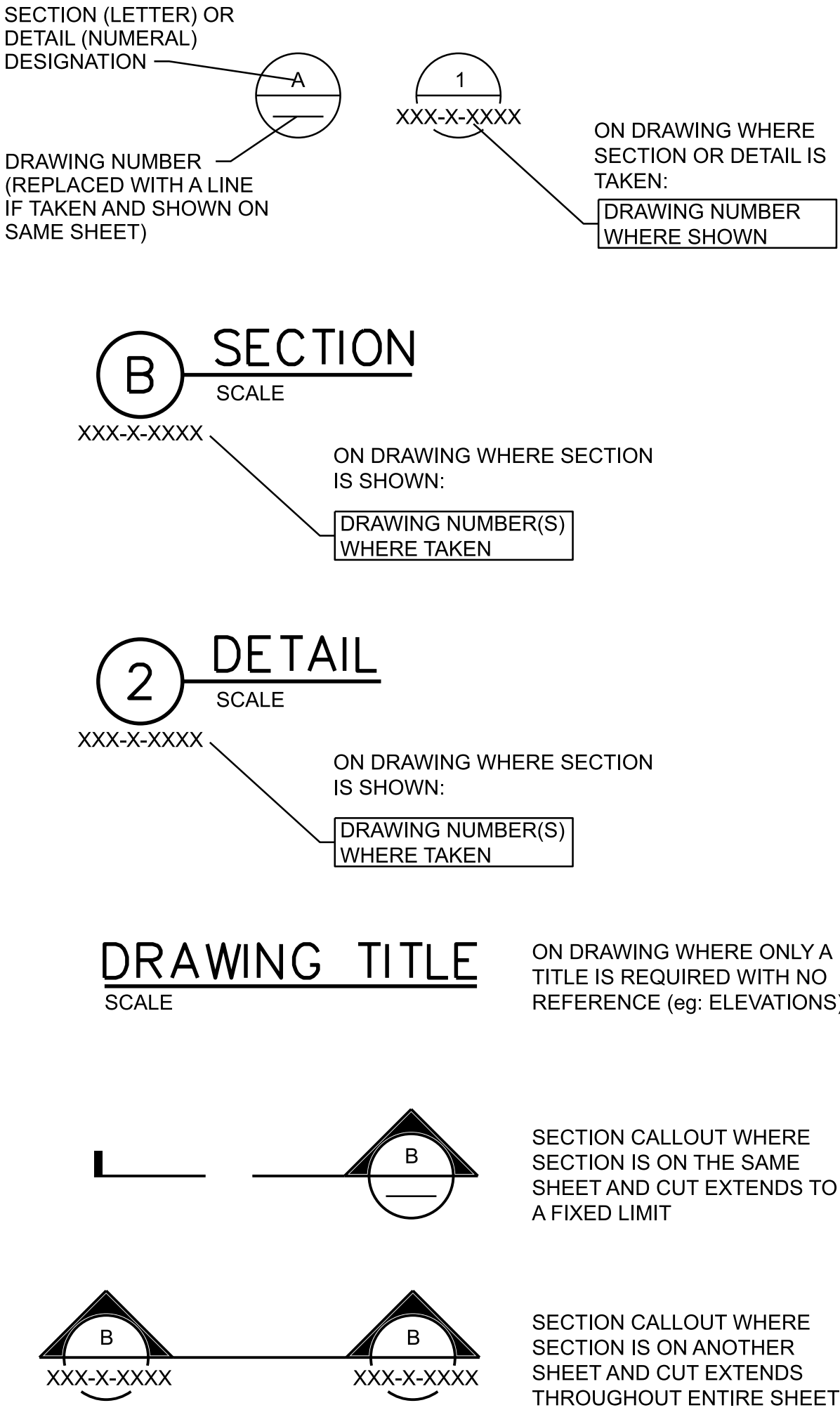
PIPE COATING COLOR SCHEDULE

BOLLARDS	SAFETY YELLOW
COMBINATION AIR/VACUUM VALVE VENT PIPE	BEIGE
METERS	FACTORY COLOR
RAW WATER PIPING	PURPLE
VALVES (EXPOSED)	FACTORY COLOR LIGHT BLUE OR DARK BLUE

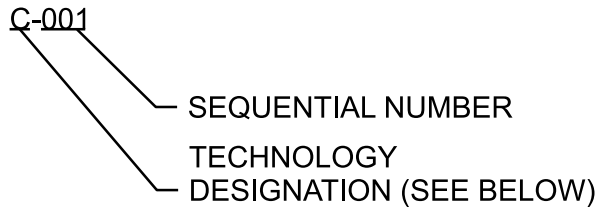
ABBREVIATIONS:

ABC	AGGREGATE BASE COURSE
APPROX	APPROXIMATE
BC	BACK OF CURB
BLVD	BOULEVARD
BO	BLOW OFF
BP	BID PACKAGE
CAV	COMBINATION AIR VALVE
C	FRICTION COEFFICIENT
CCP	CONCRETE CYLINDER PIPE
CIP	CAST IRON PIPE
CL	CENTERLINE
COA	CITY OF ALBUQUERQUE
CONC	CONCRETE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DR	DRIVE
DWG	DRAWING
E	EAST
EBM	ELECTRONIC BALL MARKER
EL	EASEMENT LINE
ELV	ELEVATION
ELEC	ELECTRIC
EXST	EXISTING
FC	FACE OF CURB
FT	FOOT, FEET
GPM	GALLONS PER MINUTE
H	HORIZONTAL
HGL	HYDRAULIC GRADE LINE
HDPE	HIGH DENSITY POLYETHYLENE
INV	INVERT
MAX	MAXIMUM
MIN	MINIMUM
MH	MANHOLE
N	NORTH
OD	OUTER DIAMETER
OHE	OVERHEAD ELECTRIC
PCC	PORTLAND CEMENT CONCRETE
PE	PLAIN END
PI	POINT OF INFLECTION
POB	POINT OF BEGINNING
POE	POINT OF ENDING
PP	PLAN AND PROFILE
PSI	POUNDS PER SQUARE INCH
PVC	POLYVINYL CHLORIDE PIPE
RJE	RESTRAINED JOINT END (SPIGOT)
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
RJ	RESTRAINED JOINT (BELL)
ROW, R/W	RIGHT OF WAY
RW	RAW WATER
S	SOUTH, SLOPE
SAS	SANITARY SEWER
SD	STORM DRAIN
STA	STATION
STL	STEEL
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
TOP	TOP OF PIPE
TH	TEST HOLE
UNK	UNKNOWN
VCP	VITRIFIED CLAY PIPE
W	WEST
WATER AUTHORITY	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
WL	WORK LIMIT
VPI	VERTICAL POINT INTERSECTION

SECTION/DETAIL DESIGNATIONS

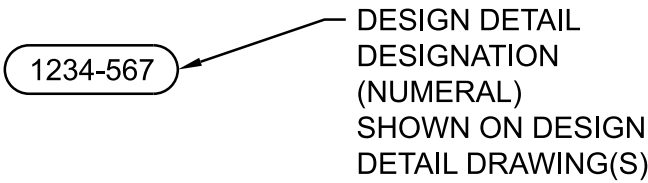


DRAWING IDENTIFICATION SYSTEM



TECHNOLOGY DESTINATION	
LETTER	TECHNOLOGY
D	REMOVAL AND RESTORATION
G	GENERAL
PP	PLAN AND PROFILE
SD	STANDARD DETAILS


DESIGN DETAIL DESIGNATION:



- NOTES:
- ALL DESIGN DETAILS ARE TYPICAL AND MUST BE USED EVEN IF DESIGN DETAIL DESIGNATION IS NOT SHOWN.
 - THE TERM STANDARD DETAIL, OR A FORM OF IT, IS SYNONYMOUS WITH DESIGN DETAILS. THE DESIGN DETAILS REPRESENT THE CHARACTER AND NATURE OF THE WORK REQUIRED THROUGHTOUT THE PROJECT. ALL ASSOCIATED WORK SHALL BE IN ACCORDANCE WITH THE DESIGN DETAILS SHOWN WHETHER THE DETAILS ARE SPECIFICALLY REFERENCED OR NOT.

CPN 771863

REDRAWN FOR RECORD PURPOSES
























<div>RECORD DRAWINGS</div> <div>THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.</div>	SCALE:	DESIGN TRACKING		<div>SUBMITTED BY:</div> <div>JACOBS</div> <div>3721 RUTLEDGE RD NE, SUITE B-1</div> <div>ALBUQUERQUE, NM 87109</div> <div>505-884-5600</div>	AS BUILT INFORMATION		ENGINEER'S SEAL	<div>ALBUQUERQUE BERNALILLO COUNTY</div> <div>WATER UTILITY AUTHORITY</div> <div>TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION</div> <div>BID PACKAGE NO. 1 – WESTSIDE BLVD</div> <div>LEGEND AND ABBREVIATIONS</div>		
	1"=	DESIGNED BY: M COUTURE	DATE: 12/2021		CONTRACTOR AUI, INC	THIS DOCUMENT IS AN ELECTRONIC COPY. ORIGINAL DOCUMENT WAS ISSUED AND SEALED ON 12/17/2021. THE ORIGINAL DOCUMENT IS STORED AT THE OFFICES OF JACOBS ALBUQUERQUE, NM.				
	ATTENTION	DRAWN BY: M MONAHAN	DATE: 12/2021		CONSTRUCTION BEGIN DATE 3/01/2022					
	0 1/2" 1"	CHECKED BY: E FORD	DATE: 12/2021		INSPECTOR'S ACCEPTANCE BY JACOBS DATE 5/31/2022					
		CROSS CHK'D BY: W CHRISTOFFERSON	DATE: 12/2021		INSPECTOR'S NAME L KOIKE/V TORRES					
	GRAPHIC SCALE	APPROVED BY: J PETERSON	DATE: 12/2021		SUBSTANTIAL COMPLETION DATE 5/31/2022					
	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	MAPS/RECORDS INFO.			DRAWINGS CORRECTED BY JACOBS DATE 8/2022					
	- - -			<div>WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.03001</div> <div>ZONE MAP NO. A-12 & A-13</div>	<div>SHEET G-3</div>					

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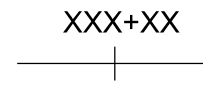
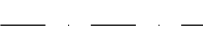
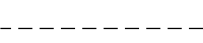
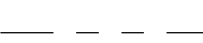
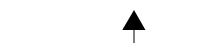




3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

LEGEND:

EXISTING CIVIL LEGEND

	W	WATER LINE
	SAS	SANITARY SEWER
		SANITARY SEWER FORCE MAIN
	G	GAS LINE
	E-OVH	OVERHEAD ELECTRIC
	E	BURIED ELECTRIC
	T	BURIED TELEPHONE
	CTV	CABLE
	FO	UNDERGROUND FIBER OPTIC
	SD	STORM DRAIN
	EL	EASEMENT LINE
		FENCE
		CURB/EDGE OF ROAD
		TELEPHONE/ELECTRIC/LIGHT POLE
		WATER SERVICE METER
		HYDRANT
		WATER VALVE
		WATER MANHOLE
		STORM DRAIN MANHOLE
		SANITARY SEWER MANHOLE
	PB	FIBER OPTIC EQUIPMENT
	E	ELECTRIC EQUIPMENT
	TV	TELEPHONE EQUIPMENT

CIVIL LEGEND

	XXX+XX	PIPELINE
		WORK LIMITS
		TRENCH EXCAVATION LIMITS
		PROPERTY LINE, RIGHT-OF-WAY
		CAV
		BLOWOFF
		SURVEY CONTROL POINT
		POTHOLE LOCATION
		GEOTECH BORING

QUALITY LEVEL

XXX	XXX IS THE UTILITY AND NO LETTER INDICATES SURVEY QUALITY LEVEL B. THIS LEVEL PROVIDES THE POSITION OF SUBSURFACE UTILITIES WITHING APPROXIMATELY 1 FT ACCURACY
XXX(C)	XXX IS THE UTILITY AND C IS THE SURVEY QUALITY LEVEL THIS LEVEL IS OBTAINED FROM VISIBLE ABOVE GROUND UTILITY FEATURES.
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ABBREVIATIONS:

ABC	AGGREGATE BASE COURSE	RCP	REINFORCED CONCRETE PIPE
APPROX	APPROXIMATE	RD	ROAD
BLVD	BOULEVARD	RJ	REINFORCED JOINT
BO	BLOW OFF	ROW, R/W	RIGHT OF WAY
BP	BID PACKAGE	RW	RAW WATER
C	FRICTION COEFFICIENT	S	SOUTH
CAV	COMBINATION AIR VALVE	SAS	SANITARY SEWER
COA	CITY OF ALBUQUERQUE	SD	STORM DRAIN
CIP	CAST IRON PIPE	STA	STATION
CL	CENTERLINE	STL	STEEL
CCP	CONCRETE CYLINDER PIPE	TH	TEST HOLE
DIA	DIAMETER	UNK	UNKNOWN
DIP	DUCTILE IRON PIPE	VCP	VITRIFIED CLAY PIPE
DR	DRIVE	W	WEST
DWG	DRAWING	WL	ALBUQUERQUE BERNALILLO COUNTY
E	EAST	VPI	WATER UTILITY AUTHORITY
EBM	ELECTRONIC BALL MARKER		WORK LIMIT
EL	EASEMENT LINE		VERTICAL POINT INTERSECTION
ELV	ELEVATION		
EXST	EXISTING		
FT	FOOT, FEET		
GPM	GALLONS PER MINUTE		
HGL	HYDRAULIC GRADE LINE		
HDPE	HIGH DENSITY POLYETHYLENE		
INV	INVERT		
MAX	MAXIMUM		
MIN	MINIMUM		
MH	MANHOLE		
N	NORTH		
OD	OUTER DIAMETER		
OHE	OVERHEAD ELECTRIC		
PI	POINT OF INFLECTION		
POB	POINT OF BEGINNING		
POE	POINT OF ENDING		
PP	PLAN AND PROFILE		
PSI	POUNDS PER SQUARE INCH		
PVC	POLYVINYL CHLORIDE PIPE		

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"



Approved by Albuquerque
City Engineer and Design
Review Committee, Feb. 10, 2022
CPN 771863

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	SUBMITTED BY:	AS BUILT INFORMATION		TITLE:	WATER AUTHORITY	CONSTRUCTION PROJECT NO.	ZONE	MAP NO.	SHEET
				1"=	DESIGNED BY: M COUTURE DATE: 12/17/21				RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION		2320.030XX			G-3
				ATTENTION	DRAWN BY: M MONAHAN DATE: 12/17/21				BID PACKAGE NO. 1 - WESTSIDE BLVD					
				0 1/2" 1"	CHECKED BY: E FORD DATE: 12/17/21				LEGEND AND ABBREVIATIONS					
					CROSS CHK'D BY: W CHRISTOFFERSON DATE: 12/17/21									
				GRAPHIC SCALE	APPROVED BY: J PETERSON DATE: 12/17/21									
				THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	MAPS/RECORDS INFO.									
					- - -									

Jacobs
3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600



SURVEY CONTROL TABLE SEE NOTE 2							
Point:	Latitude(Global)	Longitude(Global)	Height(Global)	Project Northing:	Project Easting:	Elevation:	Description:
2_B8	N35°11'40.28"	W106°44'48.25"	5477.82	1526963.32	1492502.35	5548.12	City of Albuquerque aluminum survey control 3.25" cap set in a concrete post 0.10 below back of walk, stamped "2-B8 2007".
9_A11	N35°12'47.69"	W106°41'53.17"	5231.57	1533711.81	1507067.90	5301.65	City of Albuquerque aluminum survey control 3.25" disc set in a concrete post projecting 0.20 above ground stamped "9-A11 2006".
601	N35°13'04.53"	W106°39'39.28"	5152.09	1535366.62	1518187.98	5221.98	1" Copper Plug "JACOBS 601"
602	N35°12'24.98"	W106°43'40.09"	5335.38	1531456.45	1498183.01	5405.57	1" Copper Plug "JACOBS 602"
603	N35°12'22.31"	W106°43'39.15"	5337.23	1531185.75	1498259.57	5407.42	1" Copper Plug "JACOBS 603"
604	N35°12'46.29"	W106°43'07.90"	5304.64	1533598.41	1500865.19	5374.77	2.25" Aluminum Cap "JACOBS 604"
605	N35°12'46.33"	W106°43'12.89"	5311.35	1533604.13	1500451.08	5381.49	1" Copper Plug "JACOBS 605"
651	N35°13'03.74"	W106°41'47.02"	5214.30	1535332.26	1507585.63	5284.34	Photo I.D. / TIP OF BIKE LANE ARROW
652	N35°13'04.07"	W106°41'26.20"	5163.43	1535357.55	1509313.66	5233.44	Photo I.D. / WATER VALVE
653	N35°13'03.95"	W106°41'16.88"	5155.83	1535342.48	1510087.64	5225.83	Photo I.D. / CORNER OF CONC PAN
654	N35°13'07.53"	W106°41'08.61"	5149.12	1535701.28	1510775.52	5219.10	Photo I.D. / TIP OF BIKE LANE ARROW
655	N35°13'03.41"	W106°40'57.67"	5131.24	1535281.24	1511681.90	5201.21	Photo I.D. / TIP OF BIKE LANE ARROW
656	N35°13'03.45"	W106°40'45.38"	5118.12	1535279.96	1512702.97	5188.07	Photo I.D. / TIP OF BIKE LANE ARROW
657	N35°13'03.34"	W106°40'17.61"	5141.59	1535259.59	1515006.64	5211.48	Photo I.D. / SDMH
658	N35°13'03.55"	W106°39'53.05"	5150.38	1535271.64	1517044.95	5220.22	Photo I.D. / TIP OF BIKE LANE ARROW
659	N35°13'03.93"	W106°39'41.39"	5145.91	1535306.55	1518012.20	5215.72	Photo I.D. / TIP OF LEFTMOST TURN LANE ARROW

Coordinate System: Project coordinates are modified New Mexico State Plane Central Zone (3002) NAD83(2011) coordinates. Elevations are based on the North American vertical datum of 1988 (NAVD88) and derived from the city of Albuquerque published vertical control monuments 9_A11 and 2_B8

Scale Factor: The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0003298123

Truncation : The project is scaled from 0.0 and no truncation was performed

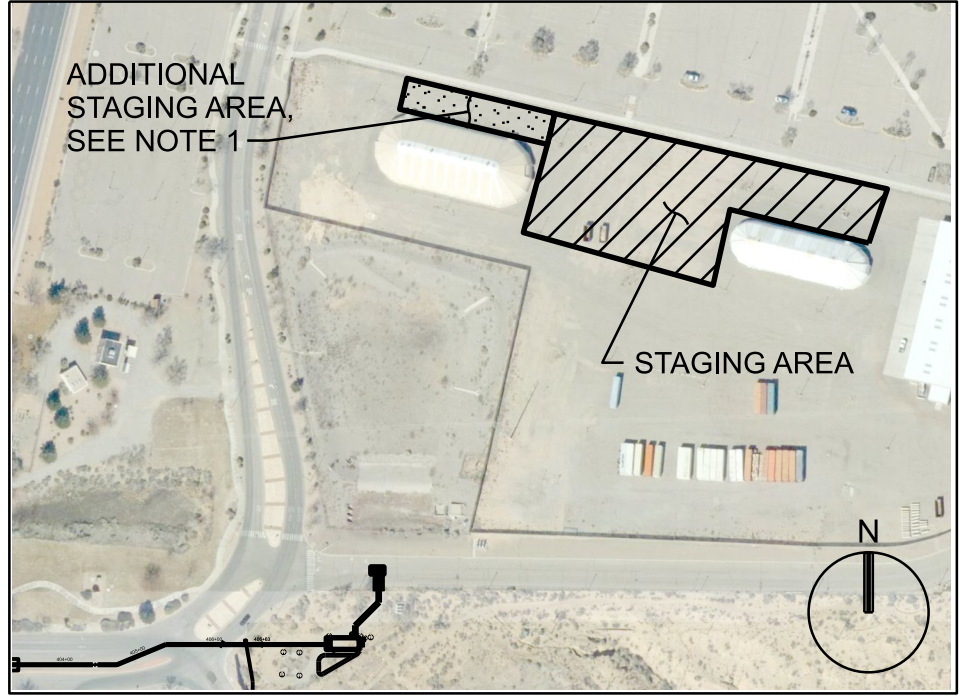
Modified State Plane: Modified state plane scale factor was derived from the reciprocal of the combined factor for City of Albuquerque control point 9_A11.

Horizontal positions: Horizontal positions for Primary control points 2_B8 and 601 were established with a redundant static GPS survey completed over two separate days

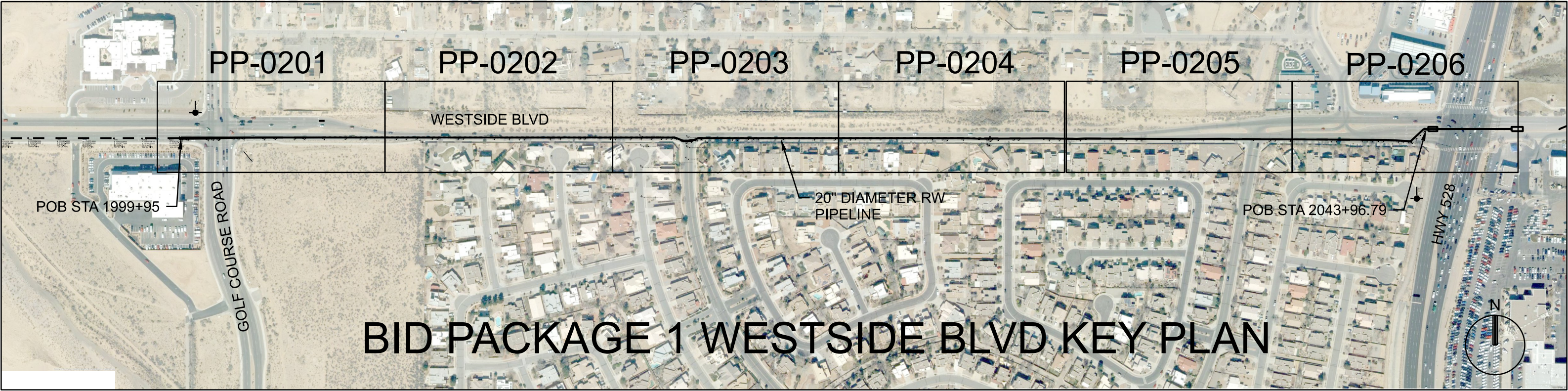
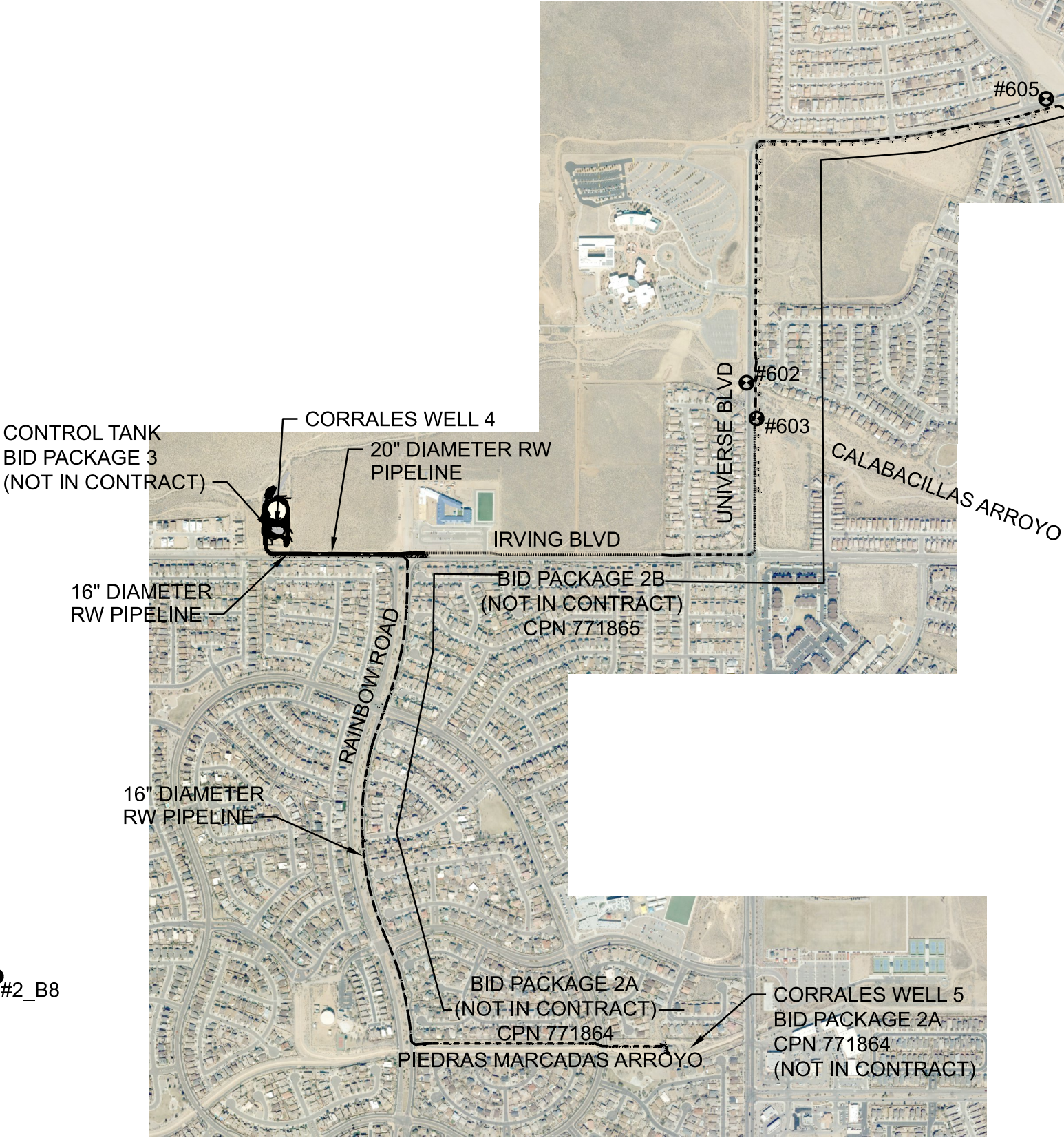
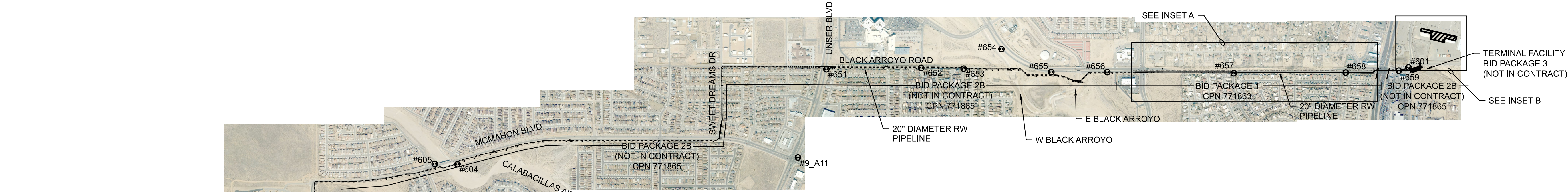
Basis of elevations: Project elevations are based on City of Albuquerque Control point 9_A11's published Orthometric height of 5301.647. Project elevations are GPS derived from 9_A11 using Geoid Model 18.

Units: U.S. Survey Feet

POT HOLE TABLE										
TEST HOLE #	UTILITY	SIZE	UTIL. MAT.	SURVEY PT#	NORTHING	EASTING	ELEV. (GROUND)	MARKER DESCRIPTION	DEPTH	ELEV. (TOP/UTILITY)
TH-01	ELECTRIC	0.33'	PVC	9528	1535271.84	1513265.13	5190.03	TH0-1 Nail / Disc	5.09'	5184.94
TH-02	WATER	1.00'	PVC	9529	1535254.43	1513336.92	5188.92	TH-02 Nail / Disc	5.30'	5183.62
TH-03	ELECTRIC	0.33' & 0.20'	PVC	9530	1535280.53	1513427.20	5191.51	TH-03 Nail / Disc	2.56'	5188.95
TH-04	WATER	1.50'	DUCTILE IRON	9531	1535291.94	1513585.96	5193.49	TH-04 Nail / Disc	4.85'	5188.64
TH-05	WATER	0.50'	PVC	9532	1535280.97	1514540.62	5210.59	TH-05 Nail / Disc	5.90'	5204.69
TH-06	WATER	0.50'	PVC	9533	1535278.41	1514830.58	5212.28	TH-06 Nail / Disc	6.40'	5205.88
TH-07	FO & TEL	0.15' & 0.10'	POLY & D.B.C.	9534	1535265.50	1514983.26	5211.48	TH-07 Nail / Disc	3.89'	5207.59
TH-08	WATER	1.00'	PVC	9535	1535274.78	1514990.34	5211.34	TH-08 Nail / Disc	5.09'	5206.25
TH-10	WATER	1.50'	DUCTILE IRON	9536	1535285.54	1516769.89	5225.29	TH-10 Nail / Disc	5.21'	5220.08
TH-11	FO & TEL	0.15' & 1.10'	POLY & D.B.C.	9537	1535268.38	1516979.07	5221.47	TH-11 CHISELED 'X'	6.95'	5214.52
TH-12	WATER	0.83'	PVC	9538	1535271.49	1516977.53	5221.79	TH-12 Nail / Disc	4.30'	5217.49
TH-13	GAS	0.20'	POLY	9539	1535274.28	1517019.24	5220.91	TH-13 Nail / Disc	3.43'	5217.48
TH-14	WATER	1.50'	DUCTILE IRON	10281	1535279.17	1517508.20	5212.58	TH 14 Nail / Disc	5.70'	5206.88
TH-15	ELECTRIC	0.30' & 0.20'	PVC	9523	1535292.58	1517597.62	5213.00	TH-15 Nail / Disc	3.13'	5209.87
TH-16	FIBER	0.33' (X8)	PVC	10282	1535273.87	1517591.92	5212.53	TH 16 Nail / Disc	6.09'	5206.44
TH-16A	STORM	2.00'	CONCRETE	10282	1535273.87	1517591.92	5212.53	TH 16 Nail / Disc	2.80'	5209.73
TH-17	FO DUCT	1.50'	CONCRETE	9524	1535296.95	1517793.19	5213.68	TH-17 Nail / Disc	4.10'	5209.58
TH-18	GAS	0.50'	STEEL	9525	1535298.50	1517811.78	5213.39	TH-18 Nail / Disc	5.10'	5208.29
TH-19	ELECTRIC	0.33' (X2 & 0.20' (X3)	PVC	9526	1535298.05	1517825.66	5213.34	TH-19 & 21 Nail / Disc	2.96'	5210.38
TH-20	FIBER OPTIC	0.33'	CONDUIT	9527	1535298.05	1517821.22	5213.37	TH-20 Nail / Disc	4.02'	5209.35
TH-22	T.U.N.F.	N/A	N/A	10283	1535289.07	1517840.51	5213.07	TH 22 DRY HOLE	N/A	N/A
TH-2002	FIBER	0.15'	CONDUIT	2845	1535287.87	1518155.66	5219.09	TH-2002 CHISELED 'X'	3.96'	5215.13
TH-2003	FIBER	0.15'	CONDUIT	2844	1535304.84	1518205.08	5221.31	TH-2003 REBAR / CAP	3.65'	5217.66
TH-2004	ELECTRIC	0.50'	PVC	2843	1535346.59	1518229.35	5222.01	TH-2004 REBAR / CAP	5.81'	5216.20
TH-2005	T.U.N.F.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
TH-2006	ELECTRIC	0.20' (X2)	PVC	2804	1535361.27	1518296.07	5219.53	TH-2006 REBAR / CAP	3.54'	5215.99
TH-2007	GAS	0.20'	WRAPPED STEEL	2805	1535360.58	1518294.82	5219.46	TH-2007 REBAR / CAP	3.75'	5215.71
TH-2008	GAS	0.67'	WRAPPED STEEL	71509	1535423.69	1518431.14	5217.23	TH 2008 Nail / Disc	4.15'	5213.08
TH-2009	ELECTRIC	0.15'	PVC	71508	1535414.07	1518430.84	5217.32	TH 2009 Nail / Disc	1.94'	5215.38



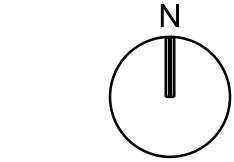
INSET B
NTS




INSET A
NTS

- NOTES:
- OWNER APPROVAL IS REQUIRED TO ACCESS ADDITIONAL STAGING AREA.
 - COA GEODETIC CONTROL MONUMENTS ARE THE BASELINE FOR SURVEY CONTROL SEE. <https://www.cabq.gov/gis/map-views/geodetic-control>

- LEGEND:
- SURVEY CONTROL POINT
 - EXST WATER AUTHORITY HYDRANT
 - ALIGNMENT NOT IN PACKAGE



CPN 771863

<div>RECORD DRAWINGS</div> <div>THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.</div>	SCALE:	DESIGN TRACKING		SUBMITTED BY:	AS BUILT INFORMATION		ENGINEER'S SEAL			
	1"=	DESIGNED BY:	A ARNING	DATE:	12/2021	CONTRACTOR	AUI, INC	<div>THIS DOCUMENT IS AN ELECTRONIC COPY. ORIGINAL DOCUMENT WAS ISSUED AND SEALED ON 12/17/2021. THE ORIGINAL DOCUMENT IS STORED AT THE OFFICES OF JACOBS ALBUQUERQUE, NM.</div>		
	<div>ATTENTION</div> <div>0 1/2" 1"</div> <div></div> <div>GRAPHIC SCALE</div> <div>THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)</div>	DRAWN BY:	C LAMB	DATE:	12/2021	CONSTRUCTION BEGIN DATE	3/01/2022			
		CHECKED BY:	E FORD	DATE:	12/2021	INSPECTOR'S ACCEPTANCE BY	JACOBS		DATE	5/31/2022
		CROSS CHK'D BY:	W CHRISTOFFERSON	DATE:	12/2021	INSPECTOR'S NAME	L KOIKE/V TORRES			
		APPROVED BY:	J PETERSON	DATE:	12/2021	SUBSTANTIAL COMPLETION DATE	5/31/2022		DRAWINGS CORRECTED BY	JACOBS
MAPS/RECORDS INFO.		3721 RUTLEDGE RD NE, SUITE B-1 ALBUQUERQUE, NM 87109 505-884-5600		ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY						
<div>TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION, BID PACKAGE NO. 1 - WESTSIDE BLVD</div> <div>KEY PLAN, SURVEY CONTROL AND STAGING AREA</div>										
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.03001				ZONE MAP NO. A-12 & A-13		SHEET G-4				

SURVEY CONTROL TABLE SEE NOTE 2							
Point:	Latitude(Global)	Longitude(Global)	Height(Global)	Project Northing:	Project Easting:	Elevation:	Description:
2_B8	N35°11'40.28"	W106°44'48.25"	5477.82	1526963.32	1492502.35	5548.12	City of Albuquerque aluminum survey control 3.25" cap set in a concrete post 0.10 below back of walk, stamped "2-B8 2007".
9_A11	N35°12'47.69"	W106°41'53.17"	5231.57	1533711.81	1507067.90	5301.65	City of Albuquerque aluminum survey control 3.25" disc set in a concrete post projecting 0.20 above ground stamped "9-A11 2006".
601	N35°13'04.53"	W106°39'39.28"	5152.09	1535366.62	1518187.98	5221.98	1" Copper Plug "JACOBS 601"
602	N35°12'24.98"	W106°43'40.09"	5335.38	1531456.45	1498183.01	5405.57	1" Copper Plug "JACOBS 602"
603	N35°12'22.31"	W106°43'39.15"	5337.23	1531185.75	1498259.57	5407.42	1" Copper Plug "JACOBS 603"
604	N35°12'46.29"	W106°43'07.90"	5304.64	1533598.41	1500865.19	5374.77	2.25" Aluminum Cap "JACOBS 604"
605	N35°12'46.33"	W106°43'12.89"	5311.35	1533604.13	1500451.08	5381.49	1" Copper Plug "JACOBS 605"
651	N35°13'03.74"	W106°41'47.02"	5214.30	1535332.26	1507585.63	5284.34	Photo I.D. / TIP OF BIKE LANE ARROW
652	N35°13'04.07"	W106°41'26.20"	5163.43	1535357.55	1509313.66	5233.44	Photo I.D. / WATER VALVE
653	N35°13'03.95"	W106°41'16.88"	5155.83	1535342.48	1510087.64	5225.83	Photo I.D. / CORNER OF CONC PAN
654	N35°13'07.53"	W106°41'08.61"	5149.12	1535701.28	1510775.52	5219.10	Photo I.D. / TIP OF BIKE LANE ARROW
655	N35°13'03.41"	W106°40'57.67"	5131.24	1535281.24	1511681.90	5201.21	Photo I.D. / TIP OF BIKE LANE ARROW
656	N35°13'03.45"	W106°40'45.36"	5118.12	1535279.96	1512702.97	5188.07	Photo I.D. / TIP OF BIKE LANE ARROW
657	N35°13'03.34"	W106°40'17.61"	5141.59	1535259.59	1515006.64	5211.48	Photo I.D. / SDMH
658	N35°13'03.55"	W106°39'53.05"	5150.38	1535271.64	1517044.95	5220.22	Photo I.D. / TIP OF BIKE LANE ARROW
659	N35°13'03.93"	W106°39'41.39"	5145.91	1535306.55	1518012.20	5215.72	Photo I.D. / TIP OF LEFTMOST TURN LANE ARROW

Coordinate System: Project coordinates are modified New Mexico State Plane Central Zone (3002) NAD83(2011) coordinates. Elevations are based on the North American vertical datum of 1988 (NAVD88) and derived from the city of Albuquerque published vertical control monuments 9_A11 and 2_B8

Scale Factor: The combined elevation/scale factor used to modify the coordinates from state plane to project coordinates is 1.0003298123

Truncation : The project is scaled from 0.0 and no truncation was performed

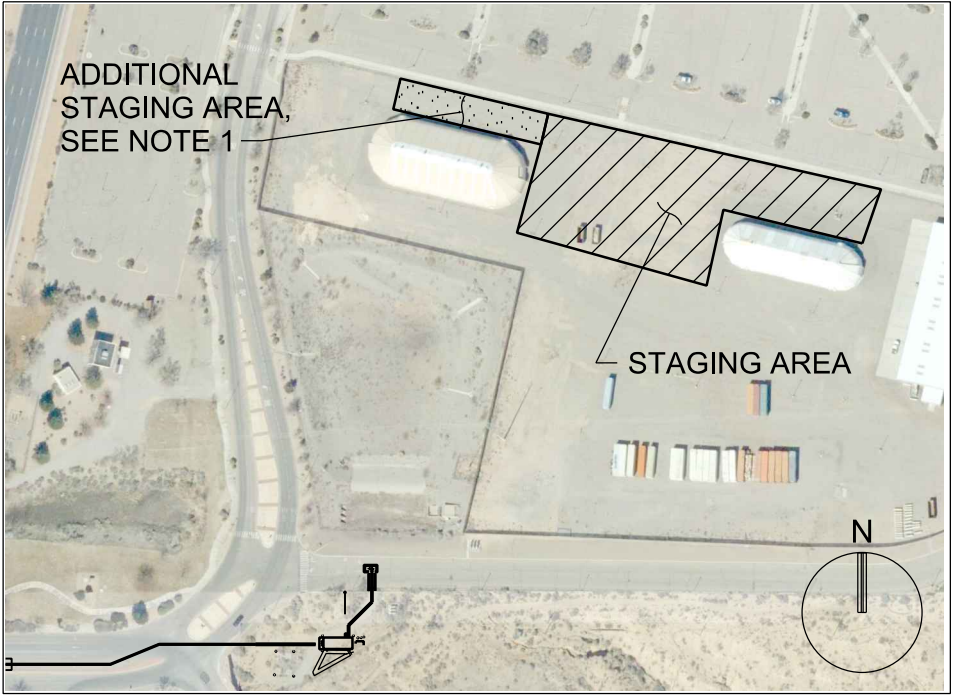
Modified State Plane: Modified state plane scale factor was derived from the reciprocal of the combined factor for City of Albuquerque control point 9_A11.

Horizontal positions: Horizontal positions for Primary control points 2_B8 and 601 were established with a redundant static GPS survey completed over two separate days

Basis of elevations: Project elevations are based on City of Albuquerque Control point 9_A11's published Orthometric height of 5301.647. Project elevations are GPS derived from 9_A11 using Geoid Model 18.

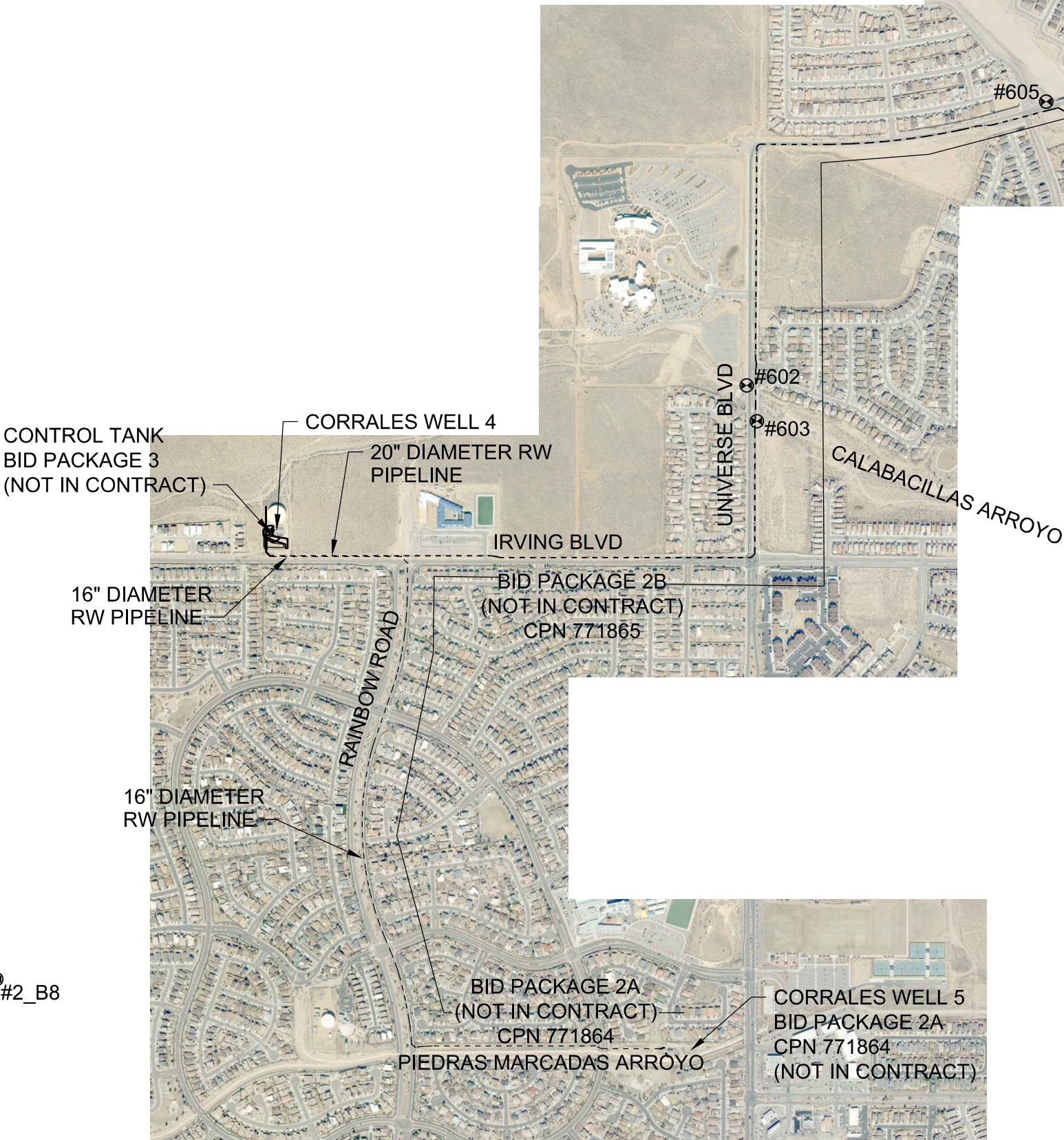
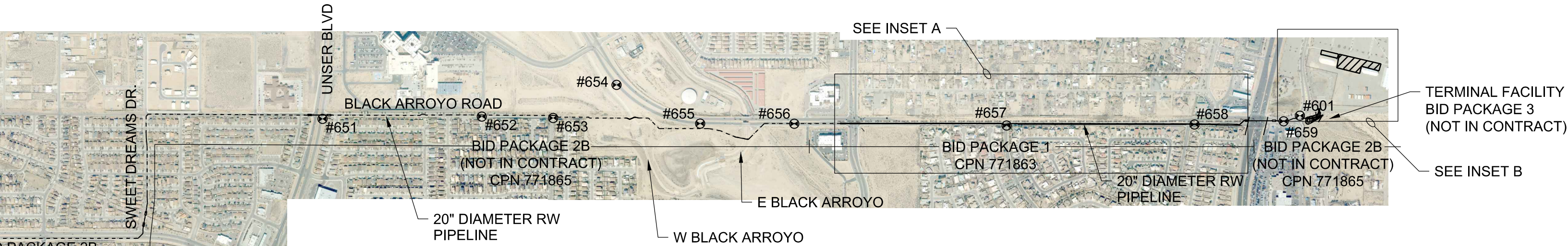
Units: U.S. Survey Feet

POT HOLE TABLE										
TEST HOLE #	UTILITY	SIZE	UTIL. MAT.	SURVEY PT#	NORTHING	EASTING	ELEV. (GROUND)	MARKER DESCRIPTION	DEPTH	ELEV. (TOP/UTILITY)
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TH-19	ELECTRIC	0.33' (X2 & 0.20' (X3)	PVC	9526	1535298.05	1517825.66	5213.34	TH-19 & 21 Nail / Disc	2.96'	5210.38
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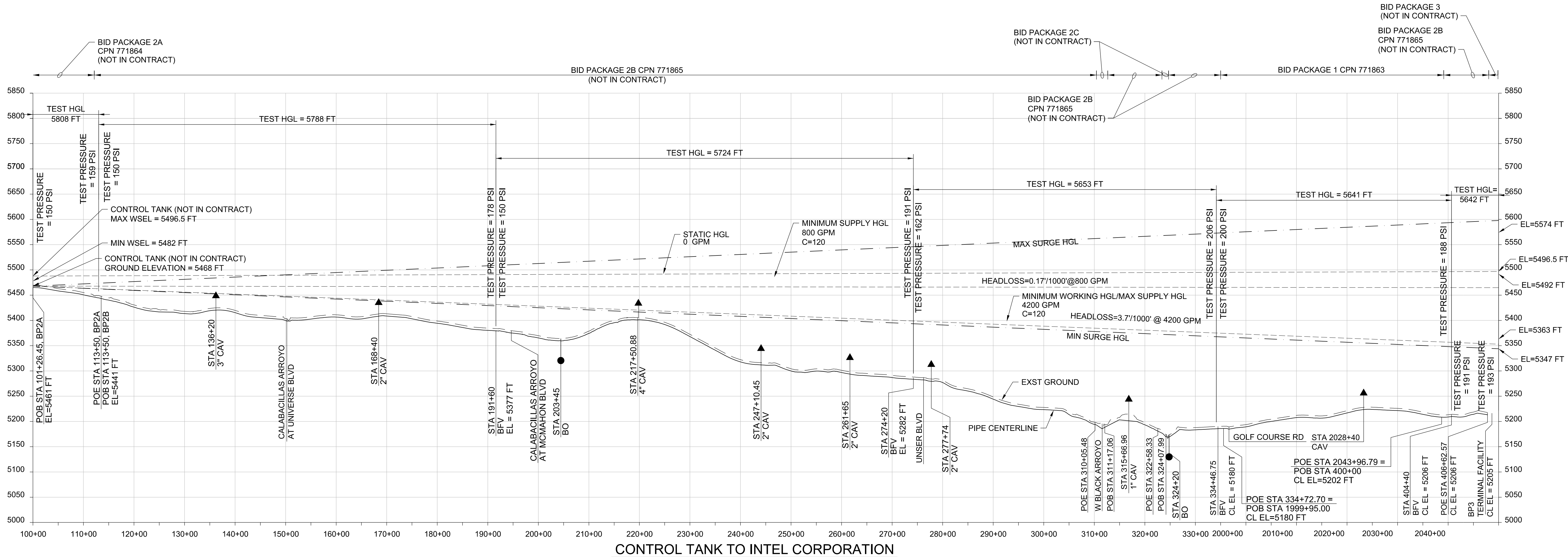


INSET B
NTS

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"



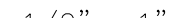
- NOTES:
- OWNER APPROVAL IS REQUIRED TO ACCESS ADDITIONAL STAGING AREA.
 - COA GEODETIC CONTROL MONUMENTS ARE THE BASELINE FOR SURVEY CONTROL SEE. <https://www.cabq.gov/gis/map-views/geodetic-control>

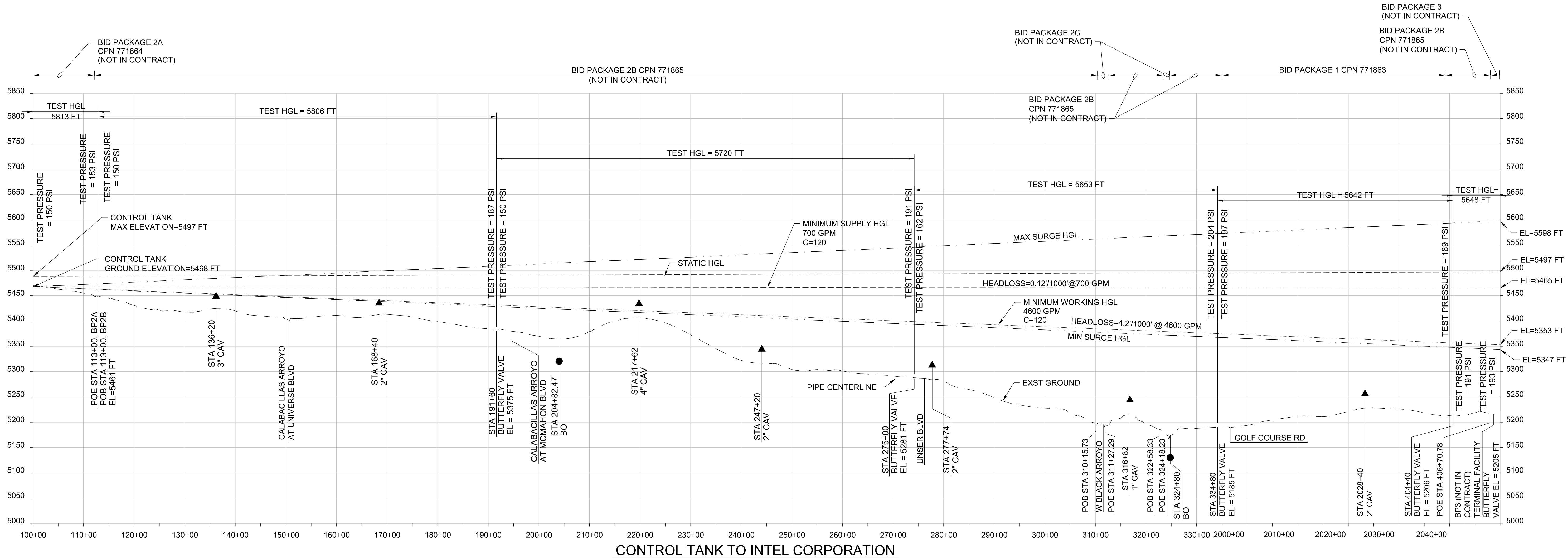


- NOTES:
- MAINTAIN TEST PRESSURE AT HGL AS SHOWN.
 - SUBMIT HYDROSTATIC TESTING PLAN AND FLUSHING PLAN TO WATER AUTHORITY 28 DAYS PRIOR TO CONDUCTING TESTS. PLAN TO INCLUDE PROPOSED LOCATIONS OF EXISTING HYDRANTS FOR FILLING THE PIPELINE.
 - UTILIZE 1/4-INCH DIAMETER 4-INCH DIAL CALIBRATED PRESSURE GAUGE (0-300 PSI) DURING TEST
 - THE WATER AUTHORITY WILL GRANT 2 VOLUMES OF WATER AT NO EXPENSE TO THE CONTRACTOR. ESTIMATED VOLUME OF WATER TO FILL PIPELINE ONCE IS APPROXIMATELY 72,000 GALLONS. CONTRACTOR IS RESPONSIBLE FOR THE COST OF THE METER RENTAL, ASSOCIATED PERMIT FEES, AND TEMPORARY INFRASTRUCTURE REQUIRED TO FILL AND FLUSH THE PIPELINE.
 - USE 5 FT STUB OUT TO TEST AGAINST BOTH SIDES OF THE CLOSED VALVE AT THE POB AND POE FOR THE SAME DURATION AS THE HYDROSTATIC TEST,
 - AFTER SUCCESSFUL COMPLETION OF THE HYDROSTATIC TEST, RELEASE PRESSURE AND MAINTAIN WATER IN THE PIPELINE.
 - TEST WATER WILL BE AVAILABLE FROM A HYDRANT WITHIN THE PROJECT SITE, SEE SHEET G-4.

CPN 771863

REDRAWN FOR RECORD PURPOSES

<div>RECORD DRAWINGS</div> <div>THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.</div>	SCALE:	DESIGN TRACKING		SUBMITTED BY:	AS BUILT INFORMATION		ENGINEER'S SEAL	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY				
	1"=	DESIGNED BY:	M COUTURE	DATE:	12/2021	CONTRACTOR	AUI, INC	THIS DOCUMENT IS AN ELECTRONIC COPY. ORIGINAL DOCUMENT WAS ISSUED AND SEALED ON 12/17/2021. THE ORIGINAL DOCUMENT IS STORED AT THE OFFICES OF JACOBS ALBUQUERQUE, NM.	TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 – WESTSIDE BLVD HYDRAULIC PROFILE	WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.03001	ZONE MAP NO. A-12	SHEET G-5
	ATTENTION	DRAWN BY:	C LAMB	DATE:	12/2021	CONSTRUCTION BEGIN DATE	3/01/2022					
	0 1/2" 1"	CHECKED BY:	E FORD	DATE:	12/2021	INSPECTOR'S ACCEPTANCE BY	JACOBS DATE 5/31/2022					
		CROSS CHK'D BY:	W CHRISTOFFERSON	DATE:	12/2021	INSPECTOR'S NAME	L KOIKE/V TORRES					
	GRAPHIC SCALE	APPROVED BY:	J PETERSON	DATE:	12/2021	SUBSTANTIAL COMPLETION DATE	5/31/2022					
THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	MAPS/RECORDS INFO.		3721 RUTLEDGE RD NE, SUITE B-1 ALBUQUERQUE, NM 87109 505-884-5600		DRAWINGS CORRECTED BY	JACOBS DATE 8/2022						



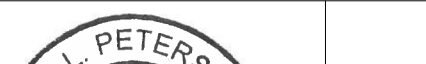

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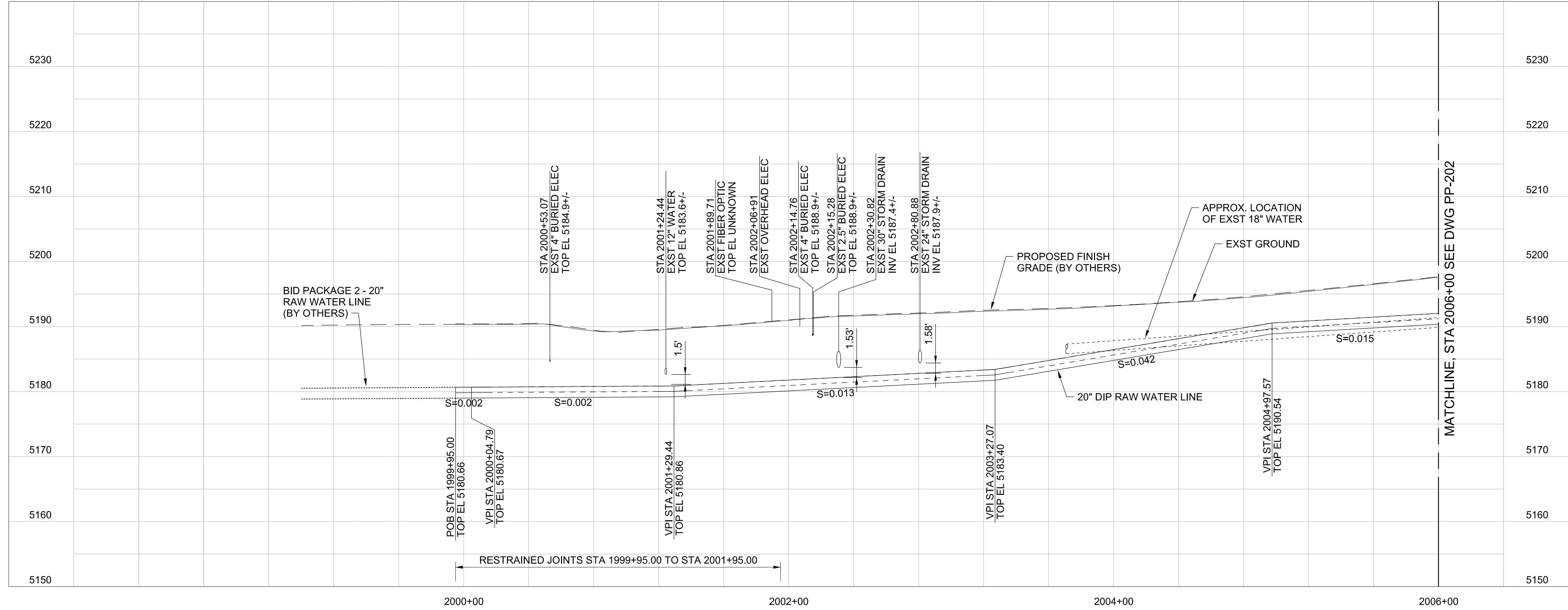
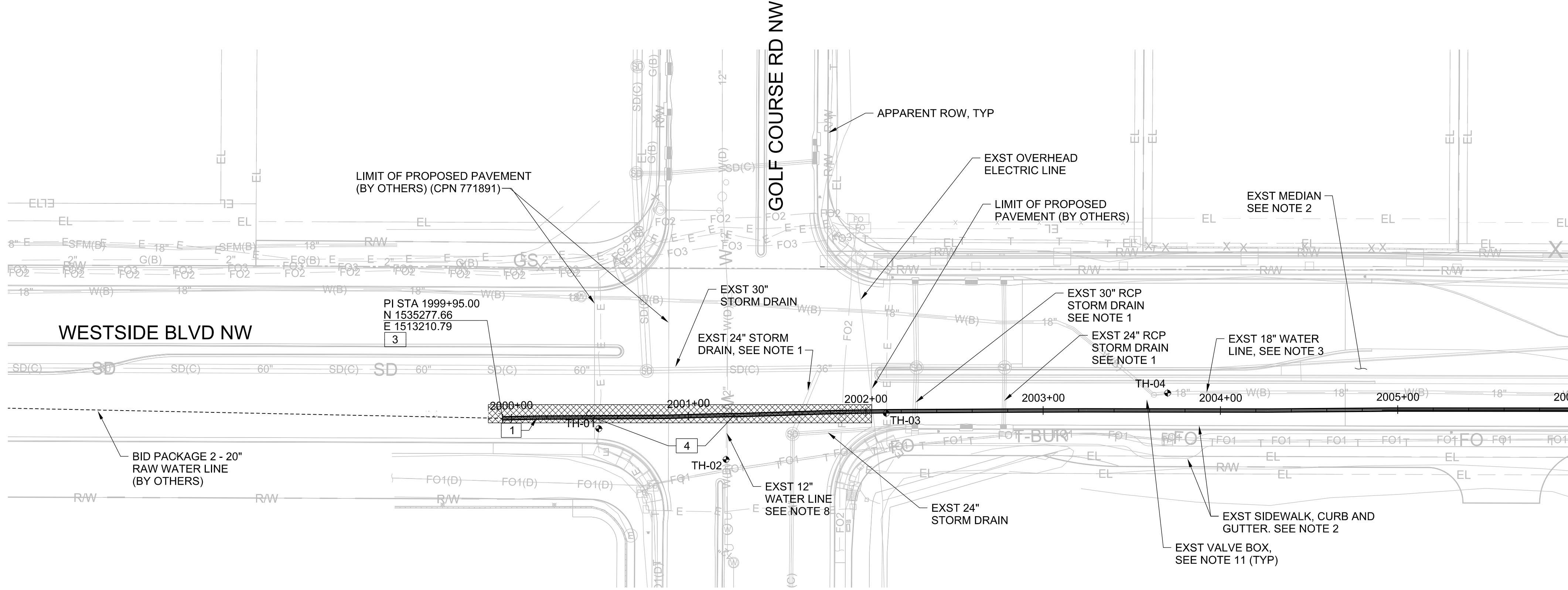
1. MAINTAIN TEST PRESSURE AT HGL AS SHOWN.
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7. TEST WATER WILL BE AVAILABLE FROM A HYDRANT WITHIN THE PROJECT SITE, SEE SHEET G-4.

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"



Approved by Albuquerque
City Engineer and Design
Review Committee, Feb. 10, 2022
CPN 771863

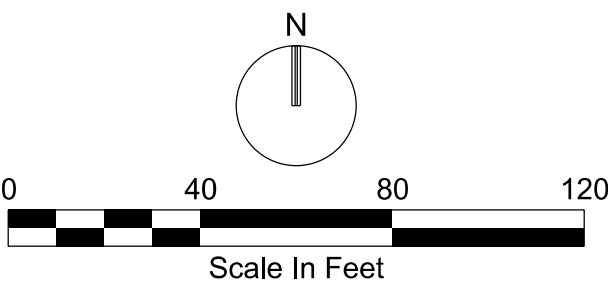
NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING		SUBMITTED BY:	AS BUILT INFORMATION			ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY					
				1"=	DESIGNED BY: M COUTURE	DATE: 12/17/21	<div>Jacobs</div> <div>3721 RUTLEDGE RD NE, SUITE B-1</div> <div>ALBUQUERQUE, NM 87109</div> <div>505-884-5600</div>	CONTRACTOR	--		TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 – WESTSIDE BLVD HYDRAULIC PROFILE	WATER AUTHORITY	CONSTRUCTION PROJECT NO. 2320.030XX	ZONE MAP NO. A-12	SHEET G-5	
			<div>ATTENTION</div> <div>0 1/2" 1"</div> <div></div> <div>GRAPHIC SCALE</div> <div>THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)</div>	DRAWN BY: C LAMB	DATE: 12/17/21	CONSTRUCTION BEGIN DATE		--								
				CHECKED BY: E FORD	DATE: 12/17/21	INSPECTOR'S ACCEPTANCE BY		--	DATE							--
				CROSS CHK'D BY: W CHRISTOFFERSON	DATE: 12/17/21	INSPECTOR'S NAME		--								
				APPROVED BY: J PETERSON	DATE: 12/17/21	SUBSTANTIAL COMPLETION DATE		--								
					MAPS/RECORDS INFO.			DRAWINGS CORRECTED BY	--	DATE	--					





- GENERAL NOTES:
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 - BACKFILL PIPE TRENCH PER SPECIFICATION SECTION 701 AND (3123-915) (SEE SHEET DT-07) BACKFILL TRENCH TO ELEVATION BELOW
PROPOSED BASE COURSE (BY OTHERS) UNLESS OTHERWISE NOTED ON DRAWINGS.
 - INSTALL PURPLE TRACE WIRE AND TEST STATIONS PER STANDARD DWG 2303 AND 2325.
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 - DEFLECT WATER PIPE HORIZONTAL AND VERTICAL ALIGNMENTS AT LOCATIONS INDICATED ON DRAWINGS WITH A MAXIMUM ALLOWABLE BELL-JOINT DEFLECTION OF 2 DEGREES OR 75% OF PIPE MANUFACTURER'S RECOMMENDATION, WHICHEVER IS LESS.
 - DESIGN AND INSTALL TEMPORARY SUPPORT FOR EXISTING 12" UNRESTRAINED PVC WATERLINE WHERE CROSSING. INSTALL SPLIT MECHANICAL JOINT RESTRAINT ON EXISTING WATERLINE WHERE EXPOSED. WATERLINE SHUT OFF WILL NOT BE ALLOWED.
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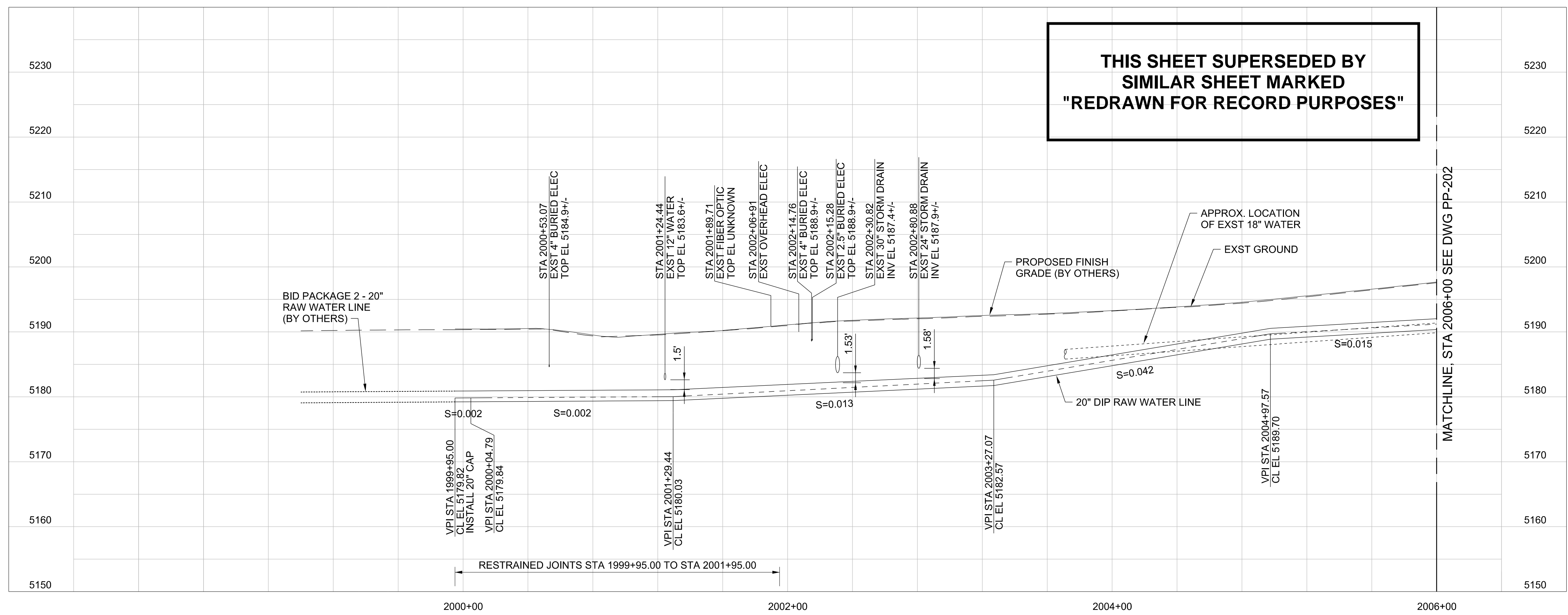
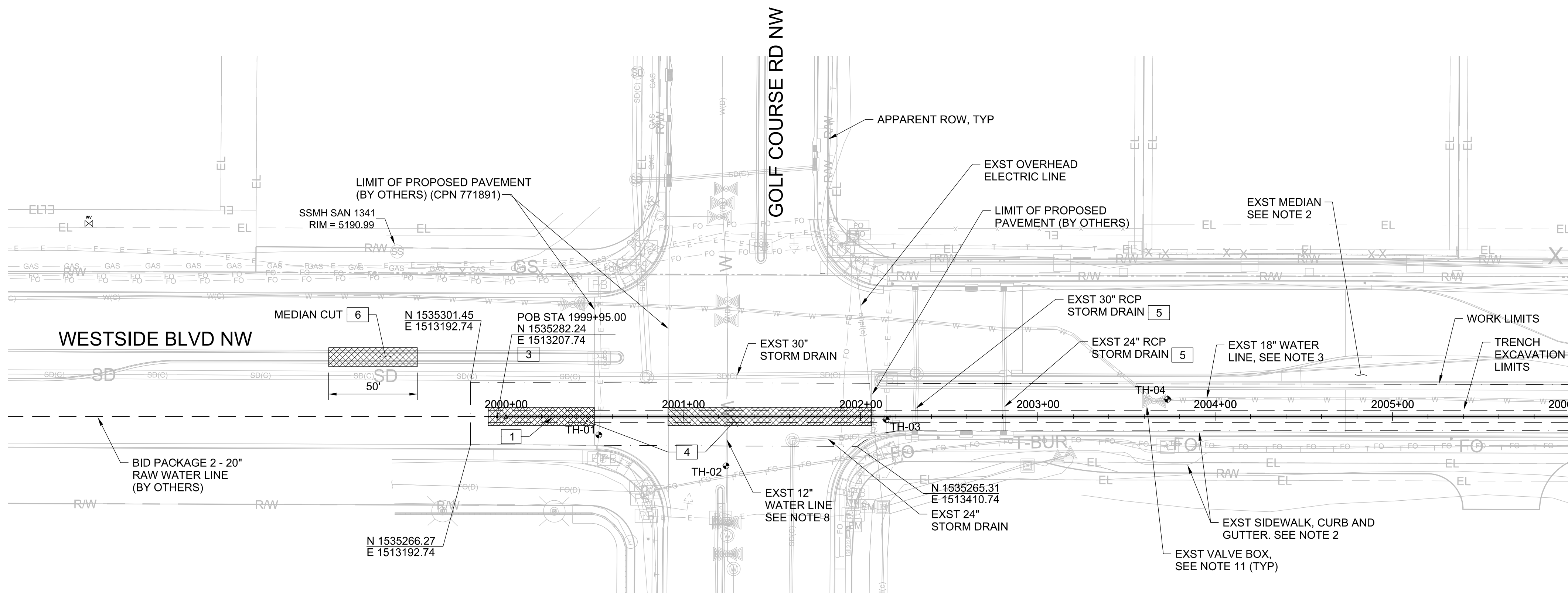
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REDRAWN FOR RECORD PURPOSES



CPN 771863

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	H 1"=40' V 1"=10'	DESIGNED BY:	M COUTURE	DATE:	12/2021	CONTRACTOR	AUI, INC	<div>THIS DOCUMENT IS AN ELECTRONIC COPY. ORIGINAL DOCUMENT WAS ISSUED AND SEALED ON 12/17/2021. THE ORIGINAL DOCUMENT IS STORED AT THE OFFICES OF JACOBS ALBUQUERQUE, NM.</div>	<div></div> <div>TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 – WESTSIDE BLVD POB STA 1999+95 TO STA 2006+00</div>	<div>WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.03001</div>	<div>ZONE MAP NO. A-12</div>	<div>SHEET PP-20</div>		
	ATTENTION	DRAWN BY:	S MILLER	DATE:	12/2021	CONSTRUCTION BEGIN DATE	3/01/2022							
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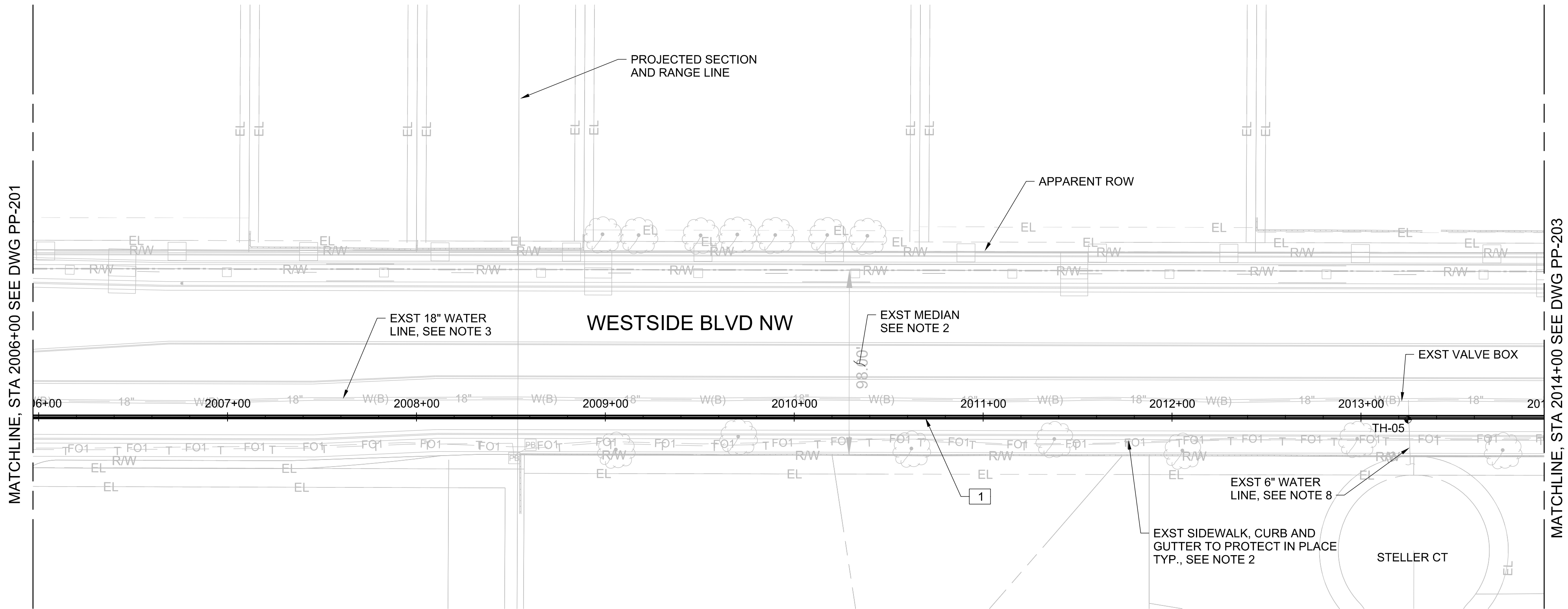
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 - REMOVE EXISTING RCP STORM DRAIN PRIOR TO INSTALL 20" RAW WATERLINE. REPLACE AND CONNECT PER (3305-951) INSTALL CONCRETE CRADLE AT CROSSING PER (3123-762)
 - REMOVE EXISTING MEDIAN, CURBS AND GUTTERS FOR TRAFFIC DIVERSION. MEDIAN CUT TO BE LOCATED IN THE FIELD PRIOR TO WORK. INSTALL TEMPORARY ASPHALT PAVEMENT FOR TRAFFIC DIVERSION. REPAIR MEDIAN PER EXISTING CONDITIONS AND CURB AND GUTTER PER STANDARD DETAIL 2415 AND SPECIFICATION SECTION 300.

APPROVED
Dec. 21, 2021
DESIGN REVIEW COMMITTEE

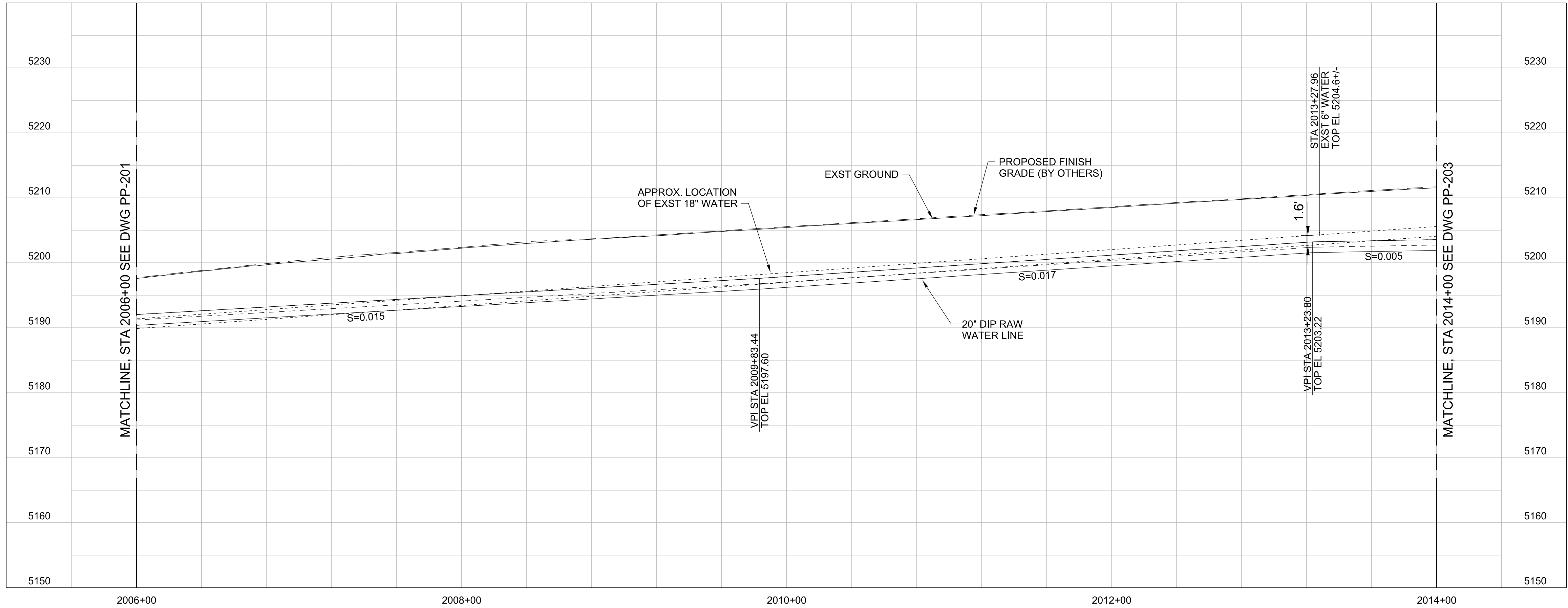
Approved by Albuquerque
City Engineer
Review Committee
Scale: 1"=40'
CPN 771863

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING		SUBMITTED BY:	AS BUILT INFORMATION			 ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 – WESTSIDE BLVD POB STA 1999+95 TO STA 2006+00 WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.030XX ZONE MAP NO. A-12 SHEET PP-201
				H 1"=40' V 1"=10'	DESIGNED BY: M COUTURE	DATE: 12/21/21	 3721 RUTLEDGE RD NE, SUITE B-1 ALBUQUERQUE, NM 87109 505-884-5600	CONTRACTOR	--		
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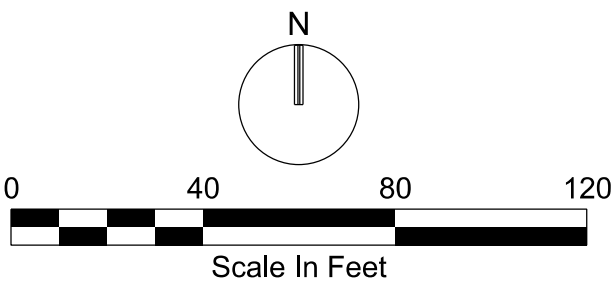


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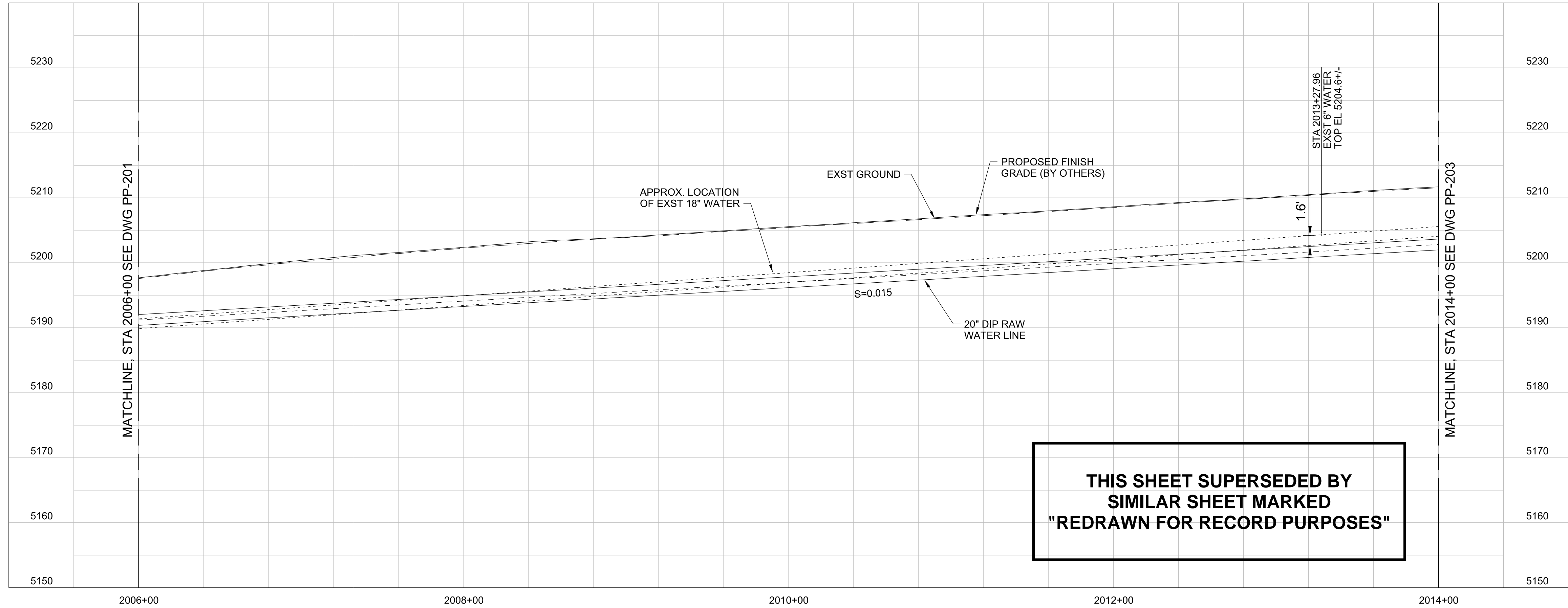
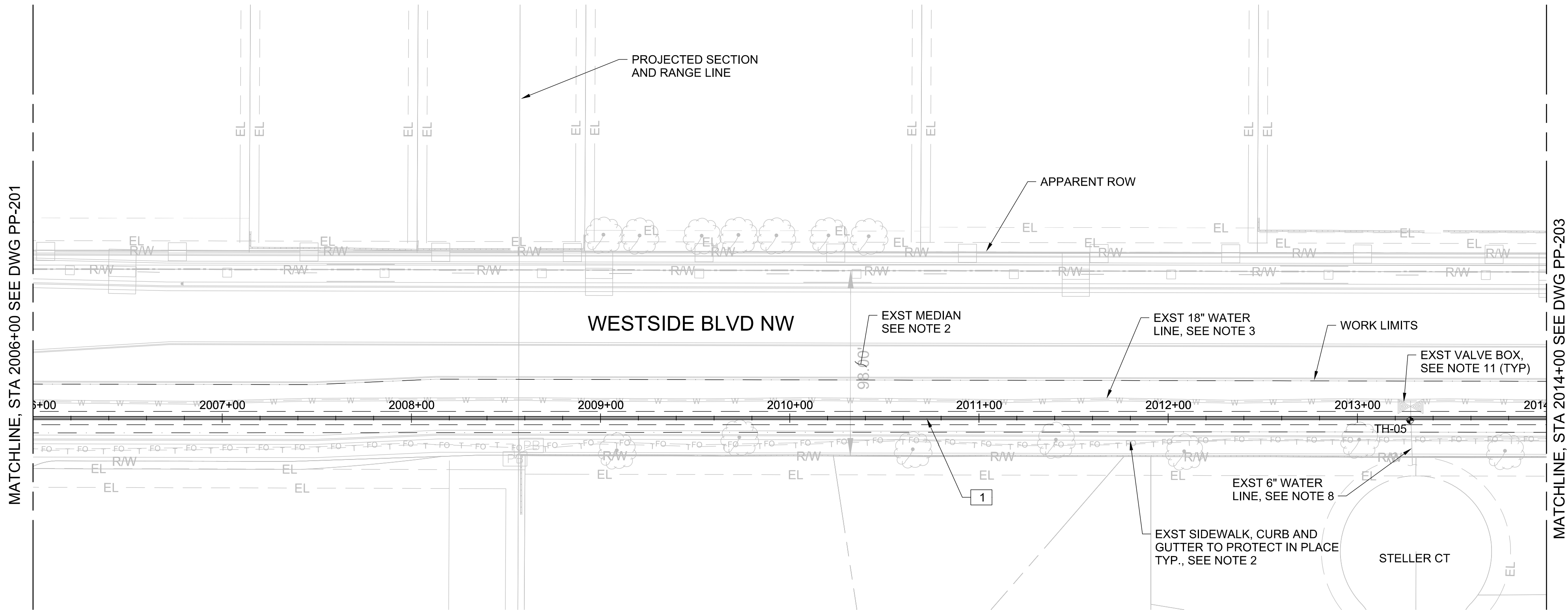


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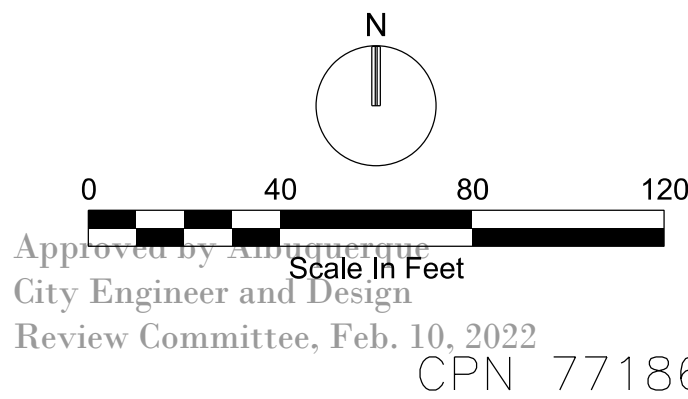
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	-		-		-		3721 RUTLEDGE RD NE, SUITE B-1 ALBUQUERQUE, NM 87109 505-884-5600						
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-		-		-		WATER AUTHORITY CONSTRUCTION PROJECT NO.			2320.03001	ZONE MAP NO.	A-12 & A-13	SHEET	PP-202



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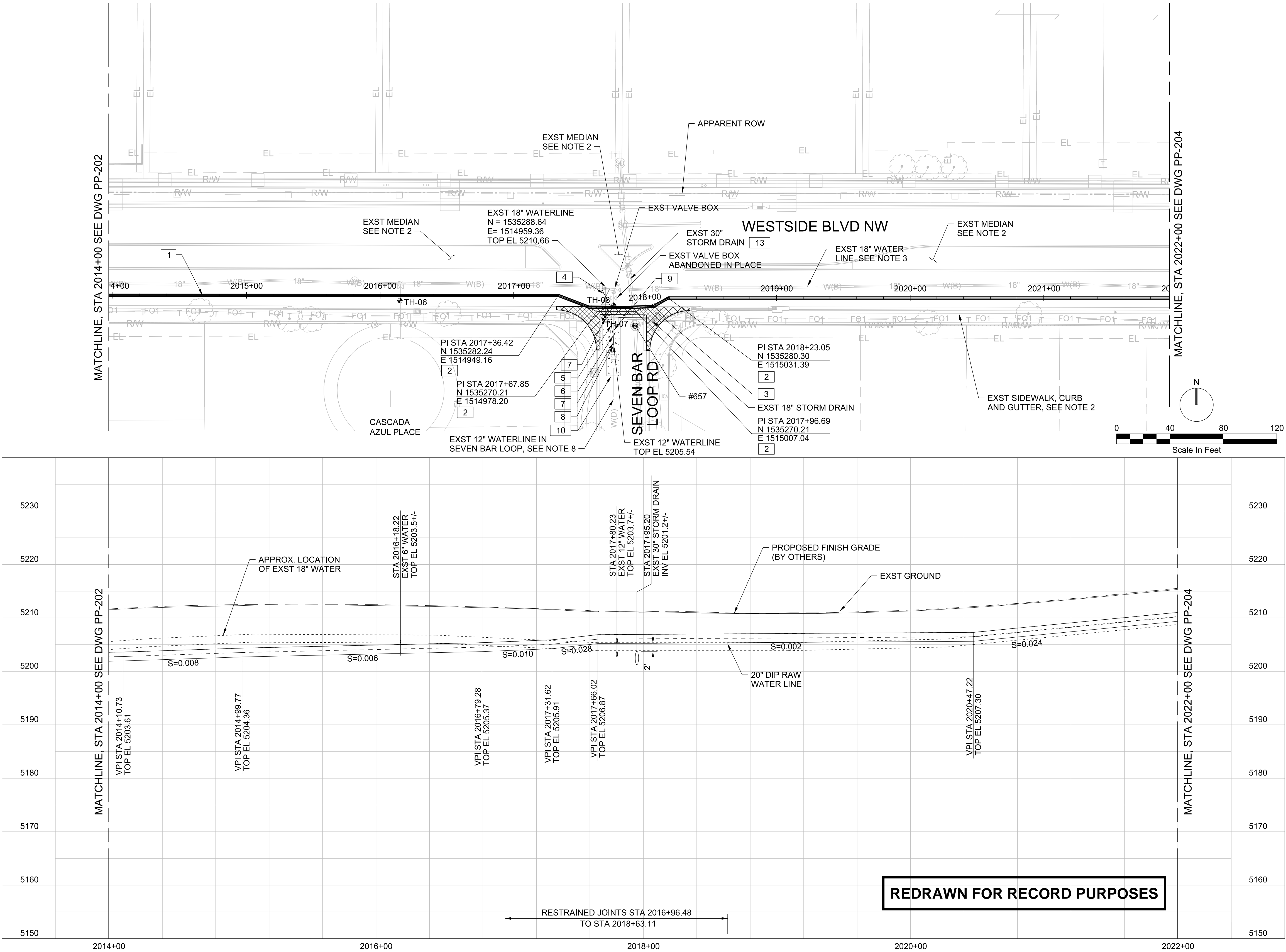
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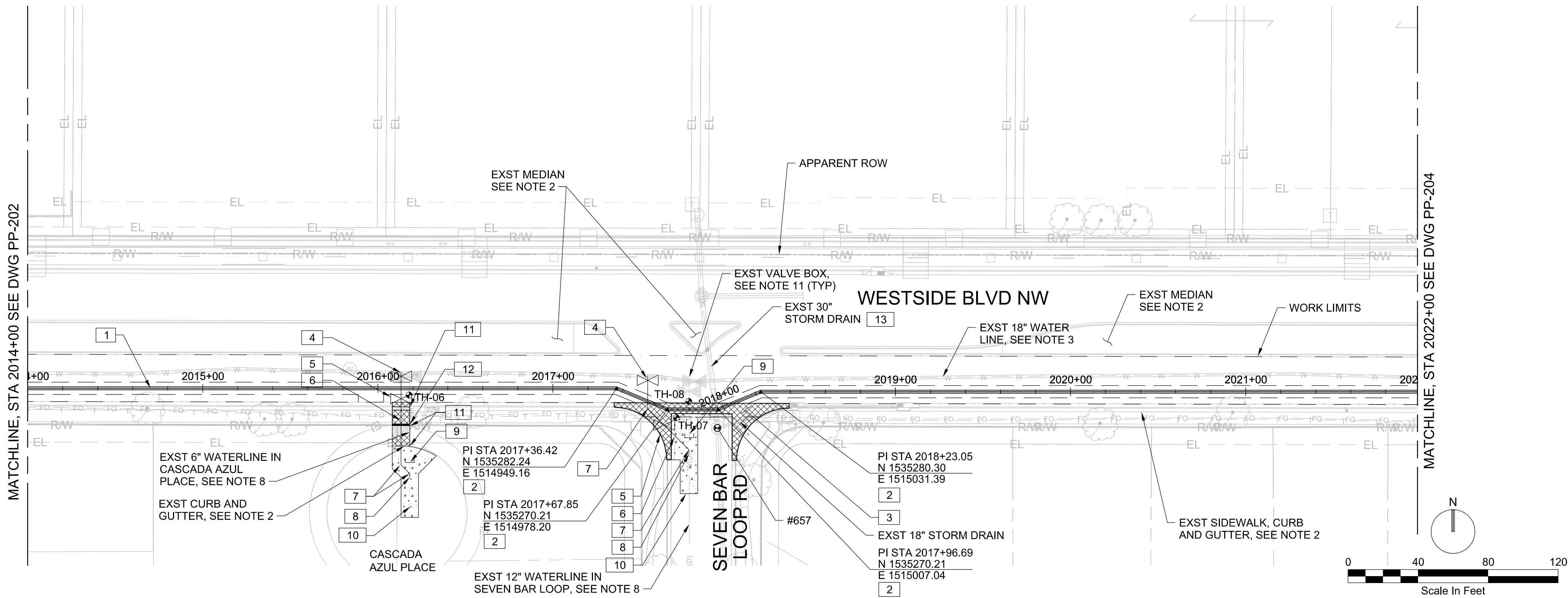
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 - INSTALL 20" DIA DUCTILE IRON 22.5" BENDS CLASS 250 PSI WITH MECHANICAL JOINT RESTRAINED.
 - REPAIR CURB, GUTTER AND VALLEY GUTTER WITH TEMPORARY COLD MIX ASPHALT (ADA COMPLIANT). FOR EXISTING AND PROPOSED GRADE FOR RECONSTRUCTION, SEE WESTSIDE BLVD WIDENING DRAWING SET BY T.Y. LIN INTERNATIONAL PROVIDED AS ATTACHMENT IN SPECIFICATIONS.
 - PRIOR TO INSTALL 20" RAW WATER LINE, INSTALL 18"x12" FLG OUTLET TAPPING SLEEVE WITH 12" FLG X MJ TAPPING GATE VALVE AND WATER LOWERING PER STD DWG 2332. TOP EL 5210.66 FT
 - INSTALL 12" MJXMJ GATE VALVE WITH ANCHOR PER STD DWG 2333. TOP EL 5205.30 FT
 - INSTALL 12" DIA PVC C-900 DR-18 FULLY RESTRAINED WATERLINE. ENCASE WATERLINE ON EACH SIDE OF CROSSING TO JOINT UP TO 10' BEYOND PROPOSED RAW WATER LINE.
 - INSTALL 12" DIA DUCTILE IRON 45° BENDS CLASS 350 PSI.
 - INSTALL TEMPORARY RESTRAINED CAP FOR TESTING WITH OUTLET AS NECESSARY. AFTER SUCCESSFUL TESTING AND DISINFECTION OF PROPOSED WATER LINE, REMOVE CAP AND CONNECT TO EXISTING WATER LINE PER SPECIFICATION SECTION 801 AND AT SUFFICIENT DISTANCE TO AVOID HIGH POINT IN NEW WATER LINE. COORDINATE WATER SHUT OFF WITH ABCWUA. WATER SHUT OFF TO BE AS SHORT AS POSSIBLE AND WILL BE DONE BY NIGHT. INSTALL MECHANICAL JOINT RESTRAINT ON NEW WATER LINE AND EXISTING WATERLINE TO A DISTANCE OF 20' PASS THE SOUTH 12" 45 BEND.
 - CAP EXISTING 12" PVC WATERLINE IN PLACE.
 - REPAIR ROAD STRUCTURE AND PAVEMENT PER STD DWG 2465.
 - BACKFILL TRENCH TO EXISTING FINAL GRADE. REPAIR CURB AND GUTTER PER STD DWG 2415 INCLUDING FOUNDATION, REPAIR SIDEWALK PER STANDARD DWG 2430, INCLUDING FOUNDATION AND REPAIR GRAVEL AND OTHER SURFACE TO EXISTING CONDITIONS.
 - REMOVE AND REPLACE EXISTING CMU WALL TO PRECONSTRUCTION CONDITION.
 - INSTALL CONCRETE CRADLE AT CROSSING PER STD DTL (3123-762)

CPN 771863



REDRAWN FOR RECORD PURPOSES

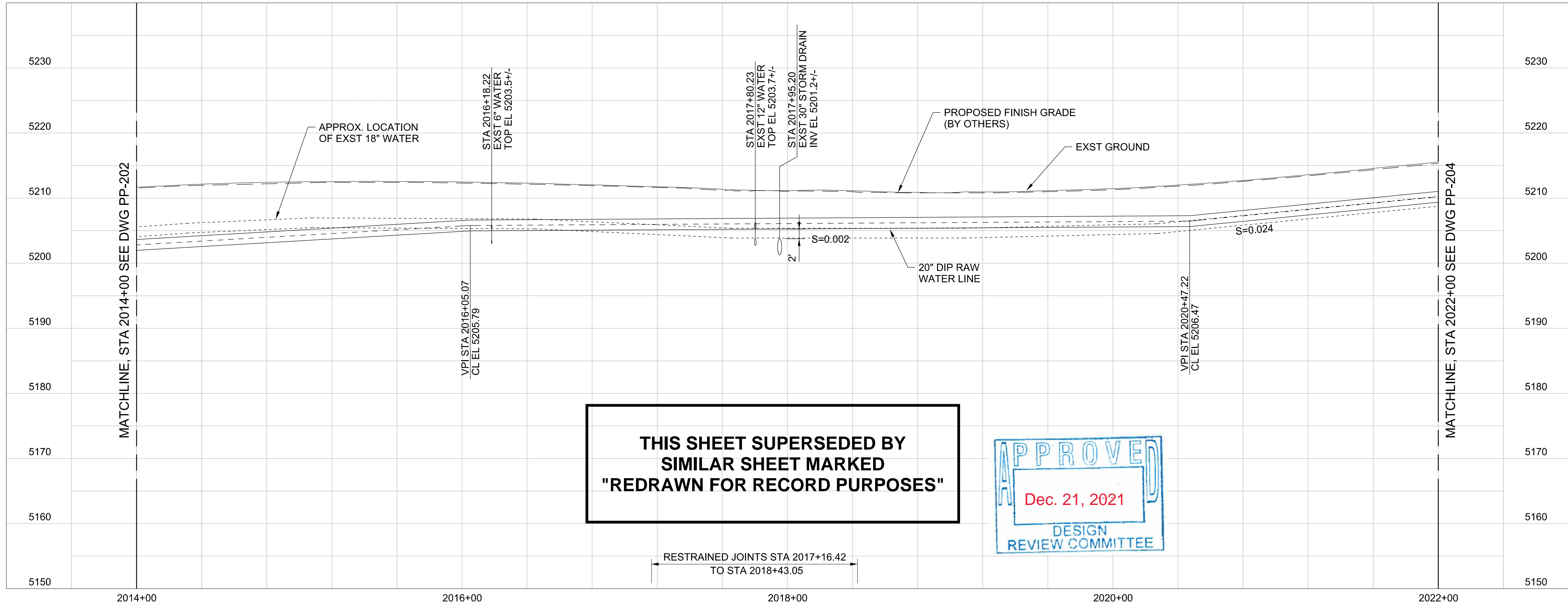
RECORD DRAWINGS		SCALE:		DESIGN TRACKING		SUBMITTED BY:		AS BUILT INFORMATION		ENGINEER'S SEAL		ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY					
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.		H 1"=40' V 1"=10'		DESIGNED BY:	M COUTURE	DATE:	12/2021	CONTRACTOR		AUI, INC	THIS DOCUMENT IS AN ELECTRONIC COPY. ORIGINAL DOCUMENT WAS ISSUED AND SEALED ON 12/17/2021. THE ORIGINAL DOCUMENT IS STORED AT THE OFFICES OF JACOBS ALBUQUERQUE, NM.		TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 – WESTSIDE BLVD STA 2014+00 TO STA 2022+00				
		ATTENTION		DRAWN BY:	S MILLER	DATE:	12/2021	CONSTRUCTION BEGIN DATE		3/01/2022							
		0 1/2" 1"		CHECKED BY:	E FORD	DATE:	12/2021	INSPECTOR'S ACCEPTANCE BY		JACOBS					DATE	5/31/2022	
				CROSS CHK'D BY:	W CHRISTOFFERSON	DATE:	12/2021	INSPECTOR'S NAME		L KOIKE/V TORRES					SUBSTANTIAL COMPLETION DATE		5/31/2022
		GRAPHIC SCALE		APPROVED BY:	J PETERSON	DATE:	12/2021	DRAWINGS CORRECTED BY		JACOBS					DATE	8/2022	
THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)		MAPS/RECORDS INFO.				3721 RUTLEDGE RD NE, SUITE B-1 ALBUQUERQUE, NM 87109 505-884-5600						WATER AUTHORITY PROJECT NO. 2320.03001		ZONE MAP NO. A-13	SHEET PP-203		



- GENERAL NOTES:
- PROTECT EXISTING UTILITIES IN PLACE. REPAIR DAMAGE TO EXISTING UTILITIES AT THE CONTRACTOR'S EXPENSE. SUPPORT EXISTING UTILITIES IN PLACE AS NECESSARY TO PROTECT DURING CONSTRUCTION OF THE 20" RAW WATER PIPELINE. INSTALL LEAN FILL AT EXISTING UTILITY CROSSINGS PER DETAIL (3123-762) AND COA STANDARD SPECIFICATION
 207. ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR DAMAGED UTILITIES AND THE COST TO REPAIR OR REPLACE.
REPAIR DAMAGE TO EXISTING ROADWAY, MEDIAN CURB, GUTTER AND SIDEWALK AT THE CONTRACTOR'S EXPENSE UNLESS OTHERWISE INDICATED ON DRAWINGS. THE FOLLOWING COA STANDARD DRAWINGS APPLY FOR ANY NECESSARY REPAIRS:
MEDIAN AND STANDARD CURB AND GUTTER: 2415
SIDEWALK: 2430
VALLEY CUTTER: 2420
MEDIAN PCOP SURFACING: 2408
 - PROTECT EXISTING UNRESTRAINED 18" DIP WATER LINE 125 PSI IN PLACE (APPROX. DEPTH 5 FT). EXISTING WATERLINE CANNOT BE ISOLATED AND NO SHUT OFF WILL BE ALLOWED. MONITOR EXISTING WATER LINE EVERY 250 FEET PER (3123-915)
 - BACKFILL PIPE TRENCH PER SPECIFICATION SECTION 701 AND (3123-915) (SEE SHEET DT-07) BACKFILL TRENCH TO ELEVATION BELOW PROPOSED BASE COURSE (BY OTHERS) UNLESS OTHERWISE NOTED ON DRAWINGS.
 - INSTALL PURPLE TRACER WIRE AND TEST STATIONS PER STANDARD DWG 2303 AND 2325.
 - NOT USED
 - DEFLECT WATER PIPE HORIZONTAL AND VERTICAL ALIGNMENTS AT LOCATIONS INDICATED ON DRAWINGS WITH A MAXIMUM ALLOWABLE BELL-JOINT DEFLECTION OF 2 DEGREES OR 75% OF PIPE MANUFACTURER'S RECOMMENDATION, WHICHEVER IS LESS.
 - DESIGN AND INSTALL TEMPORARY SUPPORT FOR EXISTING 12" UNRESTRAINED PVC WATERLINE WHERE CROSSING. INSTALL SPLIT MECHANICAL JOINT RESTRAINT ON EXISTING WATERLINE WHERE EXPOSED. WATERLINE SHUT OFF WILL NOT BE ALLOWED.
 - WORK LIMITS EXTEND FROM EDGE OF GUTTER NORTH TO EDGE OF GUTTER SOUTH UNLESS OTHERWISE NOTED ON DRAWINGS.
 - CONTRACTOR TO COORDINATE TRAFFIC CONTROL (BY OTHERS) AND PROPOSED PAVING AND SUBGRADE (BY OTHERS) WITH COA'S PAVING CONTRACTOR.
 - RAISE EXISTING AND PROPOSED VALVE BOX WITHIN WORK LIMITS TO PROPOSED FINISH PAVEMENT GRADE.

- KEY NOTES:
- INSTALL 20" DIA. DUCTILE IRON RAW WATER PIPE CLASS 250 PSI. ENCASE BURIED DUCTILE IRON PIPE IN PURPLE POLYETHYLENE SHEETING PER SUPPLEMENTAL SPECIFICATION SECTION 801.
 - INSTALL 20" DIA DUCTILE IRON 22.5° BENDS CLASS 250 PSI WITH MECHANICAL JOINT RESTRAINED.
 - REPAIR CURB AND GUTTER PER STANDARD DWG 2415 AND REPAIR VALLEY GUTTER PER STANDARD DWG 2420 AND SPECIFICATIONS SECTION 300. FOR EXISTING AND PROPOSED GRADE FOR RECONSTRUCTION, SEE WESTSIDE BLVD WIDENING DRAWING SET BY T.Y. LIN INTERNATIONAL PROVIDED AS ATTACHMENT IN SPECIFICATIONS.
 - PRIOR TO INSTALL 20" RAW WATER LINE, INSTALL 18"x6" (CASCADA AZUL PL)/ 18"x12" (SEVEN BAR LOOP) FLG OUTLET TAPPING SLEEVE WITH 6"/12" FLG X MJ TAPPING GATE VALVE AND WATER LOWERING PER STD DWG 2332.
 - INSTALL 6" (CASCADA AZUL PLACE)/12" (SEVEN BAR LOOP RD) MJX MJ GATE VALVE WITH ANCHOR PER STD DWG 2333.
 - INSTALL 6" (CASCADA AZUL PLACE)/12" (SEVEN BAR LOOP RD) DIA PVC C-900 DR-18 FULLY RESTRAINED WATERLINE. ENCASE WATERLINE ON EACH SIDE OF CROSSING TO JOINT UP TO 10' BEYOND PROPOSED RAW WATER LINE.
 - INSTALL 6" (CASCADA AZUL PLACE)/12" (SEVEN BAR LOOP RD) DIA DUCTILE IRON 45° BENDS CLASS 350 PSI.
 - INSTALL TEMPORARY RESTRAINED CAP FOR TESTING WITH OUTLET AS NECESSARY. AFTER SUCCESSFUL TESTING AND DISINFECTION OF PROPOSED WATER LINE, REMOVE CAP AND CONNECT TO EXISTING WATER LINE PER SPECIFICATION SECTION 801 AND AT SUFFICIENT DISTANCE TO AVOID HIGH POINT IN NEW WATER LINE. COORDINATE WATER SHUT OFF WITH ABCWUA. WATER SHUT OFF TO BE AS SHORT AS POSSIBLE AND WILL BE DONE BY NIGHT. INSTALL MECHANICAL JOINT RESTRAINT ON NEW WATER LINE AND EXISTING WATERLINE TO A DISTANCE OF 20' PASS THE SOUTH 6" 45 BEND AND TO A DISTANCE OF 20' PASS THE SOUTH 12" 45 BEND.
 - CAP EXISTING 6"(CASCADA AZUL PLACE)/12" (SEVEN BAR LOOP RD) PVC WATERLINE IN PLACE.
 - REPAIR ROAD STRUCTURE AND PAVEMENT PER STD DWG 2465.
 - BACKFILL TRENCH TO EXISTING FINAL GRADE. REPAIR CURB AND GUTTER PER STD DWG 2415 INCLUDING FOUNDATION, REPAIR SIDEWALK PER STANDARD DWG 2430, INCLUDING FOUNDATION AND REPAIR GRAVEL AND OTHER SURFACE TO EXISTING CONDITIONS.
 - REMOVE AND REPLACE EXISTING CMU WALL PER PRECONSTRUCTION CONDITION.
 - INSTALL CONCRETE CRADLE AT CROSSING PER STD DT (3123-762)

Approved by Albuquerque
City Engineer, Feb. 10, 2022
Review Committee, Feb. 10, 2022
CPN 771863



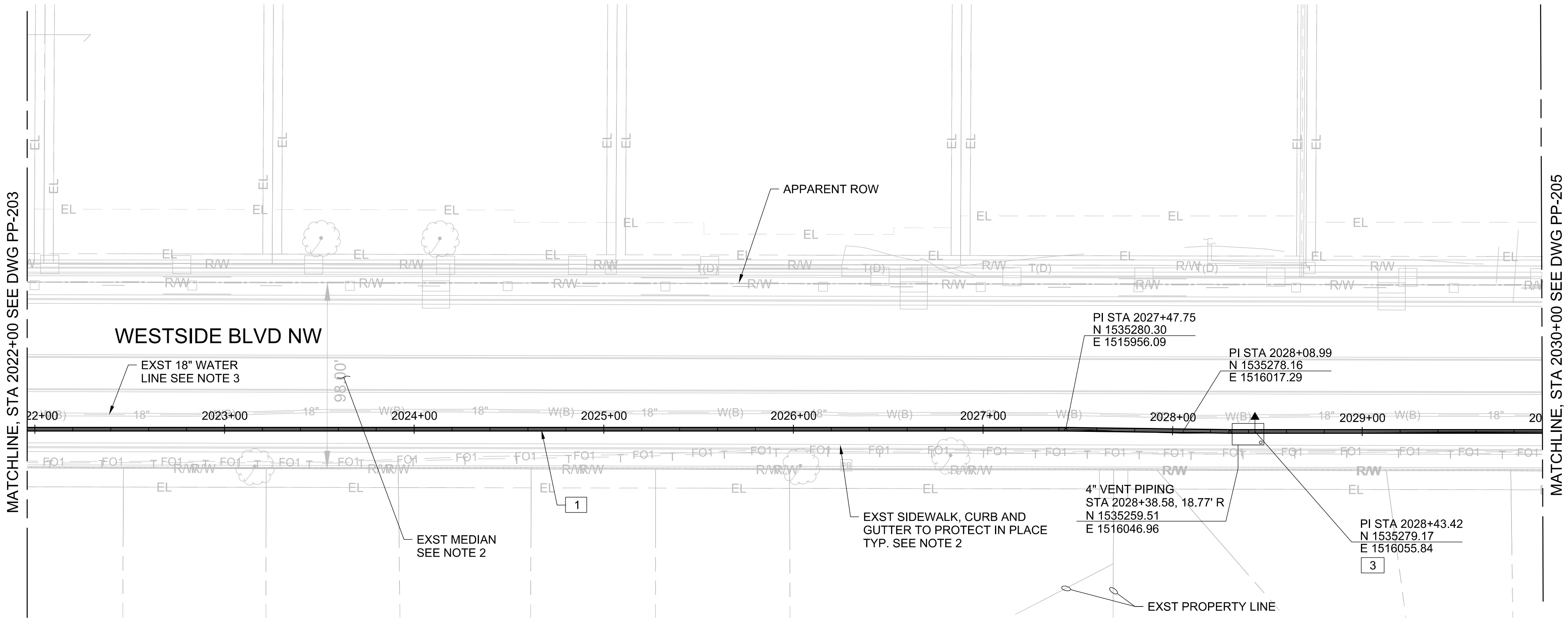
THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"



NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	SUBMITTED BY:	AS BUILT INFORMATION
				H 1"=40' V 1"=10'	DESIGNED BY: M COUTURE DATE: 12/21/21	Jacobs	CONTRACTOR --
				ATTENTION	DRAWN BY: S MILLER DATE: 12/21/21	3721 RUTLEDGE RD NE, SUITE B-1	CONSTRUCTION BEGIN DATE --
				0 1/2" 1"	CHECKED BY: E FORD DATE: 12/21/21	ALBUQUERQUE, NM 87109	INSPECTOR'S ACCEPTANCE BY -- DATE --
				GRAPHIC SCALE	CROSS CHK'D BY: W CHRISTOFFERSON DATE: 12/21/21	505-884-5600	INSPECTOR'S NAME --
				THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: J PETERSON DATE: 12/21/21		SUBSTANTIAL COMPLETION DATE --
					MAPS/RECORDS INFO.		DRAWINGS CORRECTED BY -- DATE --

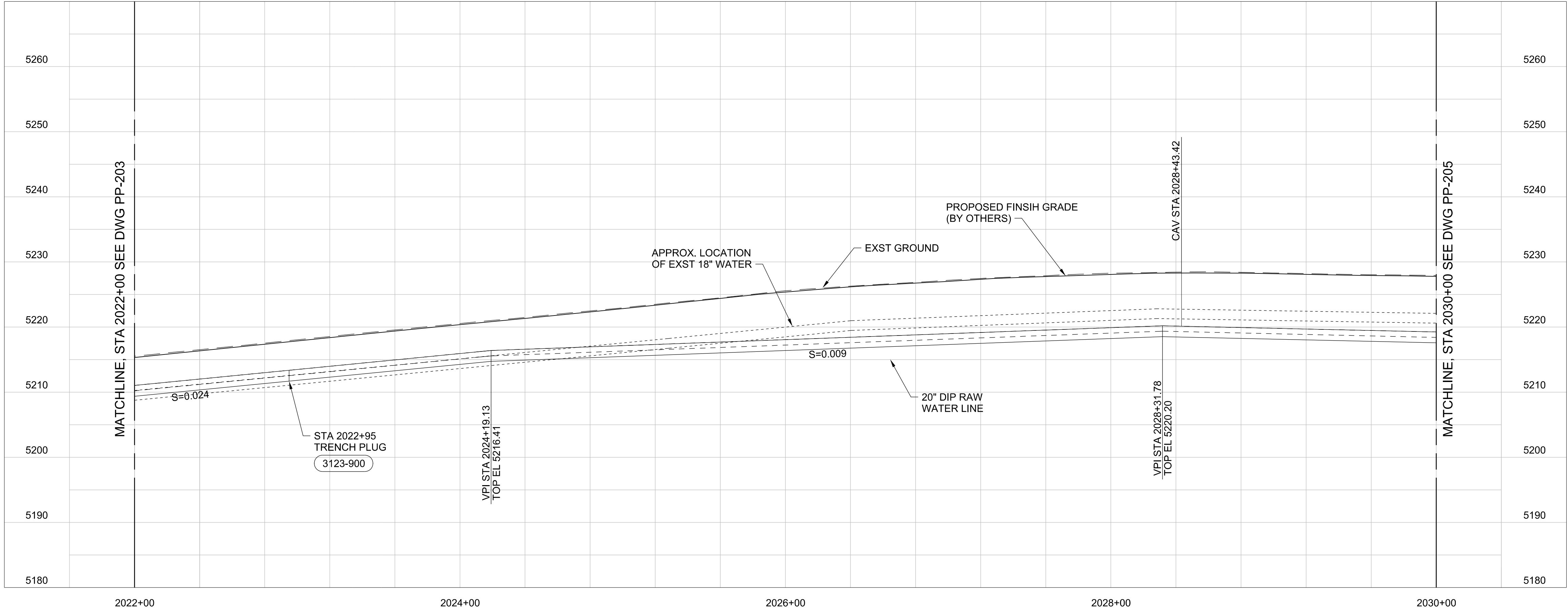


ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY
TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 - WESTSIDE BLVD
STA 2014+00 TO STA 2022+00
WATER AUTHORITY PROJECT NO. 2320.030XX ZONE MAP NO. A-13 SHEET PP-203

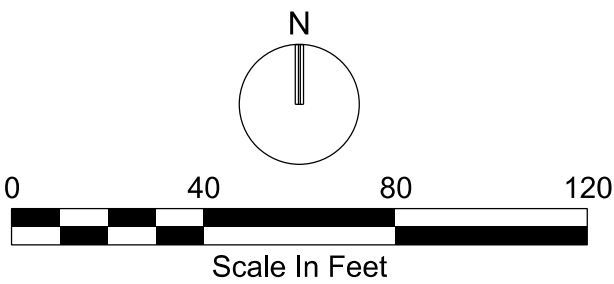


- GENERAL NOTES:
- PROTECT EXISTING UTILITIES IN PLACE. REPAIR DAMAGE TO EXISTING UTILITIES AT THE CONTRACTOR'S EXPENSE. SUPPORT EXISTING UTILITIES IN PLACE AS NECESSARY TO PROTECT DURING CONSTRUCTION OF THE 20" RAW WATER PIPELINE. INSTALL LEAN FILL AT EXISTING UTILITY CROSSINGS PER DETAIL (3123-762) AND COA STANDARD SPECIFICATION
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MEDIAN AND STANDARD CURB AND GUTTER: 2415
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 - PROTECT EXISTING UNRESTRAINED 18" DIP WATER LINE 125 PSI IN PLACE (APPROX. DEPTH 5 FT). EXISTING WATERLINE CANNOT BE ISOLATED AND NO SHUT OFF WILL BE ALLOWED. MONITOR EXISTING WATER LINE EVERY 250 FEET PER (3123-915)
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 - INSTALL PURPLE TRACE WIRE AND TEST STATIONS PER STANDARD DWG 2303 AND 2325.
 - NOT USED
 - DEFLECT WATER PIPE HORIZONTAL AND VERTICAL ALIGNMENTS AT LOCATIONS INDICATED ON DRAWINGS WITH A MAXIMUM ALLOWABLE BELL-JOINT DEFLECTION OF 2 DEGREES OR 75% OF PIPE MANUFACTURER'S RECOMMENDATION, WHICHEVER IS LESS.
 - DESIGN AND INSTALL TEMPORARY SUPPORT FOR EXISTING 12" UNRESTRAINED PVC WATERLINE WHERE CROSSING. INSTALL SPLIT MECHANICAL JOINT RESTRAINT ON EXISTING WATERLINE WHERE EXPOSED. WATERLINE SHUT OFF WILL NOT BE ALLOWED.
 - WORK LIMITS EXTEND FROM EDGE OF GUTTER NORTH TO EDGE OF GUTTER SOUTH UNLESS OTHERWISE NOTED ON DRAWINGS.
 - CONTRACTOR TO COORDINATE TRAFFIC CONTROL (BY OTHERS) AND PROPOSED PAVING AND SUBGRADE (BY OTHERS) WITH COA'S PAVING CONTRACTOR.

- KEY NOTES:
- INSTALL 20" DIA. DUCTILE IRON RAW WATER PIPE CLASS 250 PSI WITH CEMENT-MORTAR LINING AND ASPHALTIC COATING. ENCASE BURIED DUCTILE IRON PIPE IN PURPLE POLYETHYLENE SHEETING PER SUPPLEMENTAL SPECIFICATION SECTION 801.
 - NOT USED
 - INSTALL 2" CAV VAL-MATIC MODEL 202C.2, 150 PSI FOR CLEAN WATER WITH VAULT PER STANDARD DWG 2350. VENT PIPE INSTALLED AT ELEVATION 5229.00.

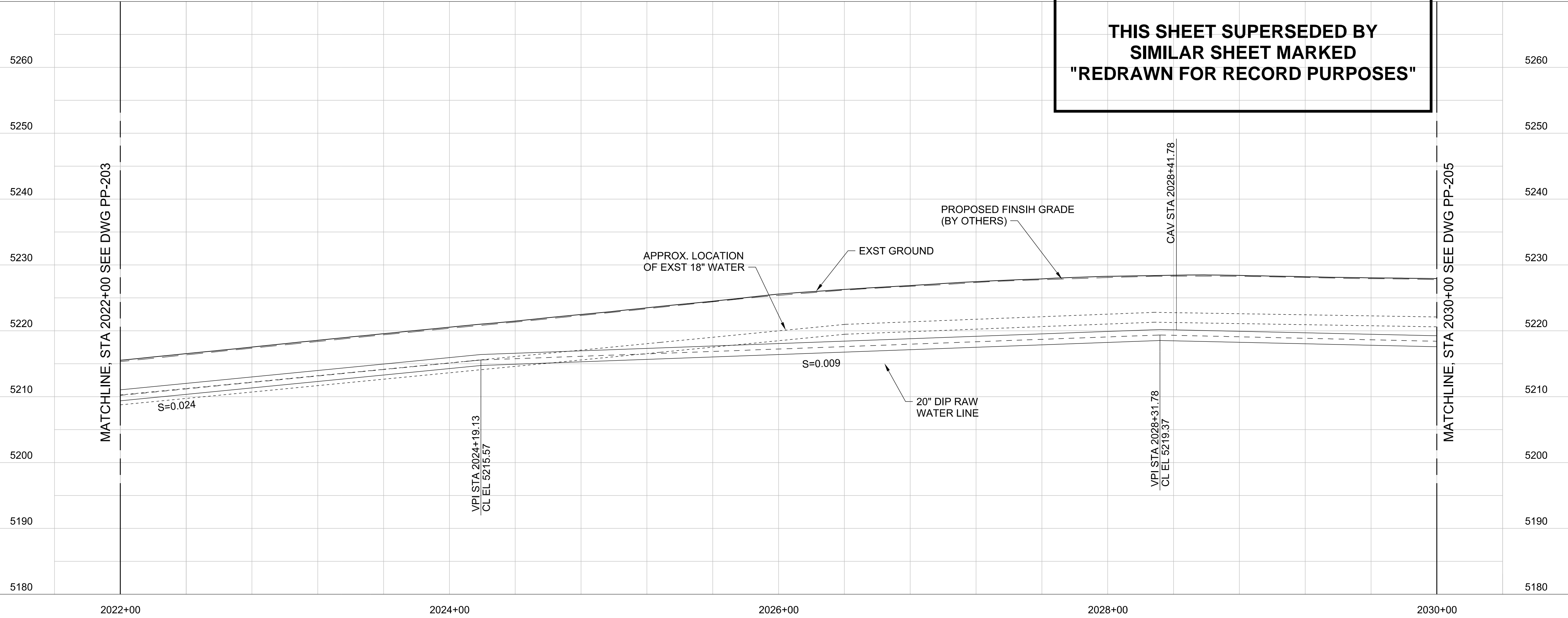
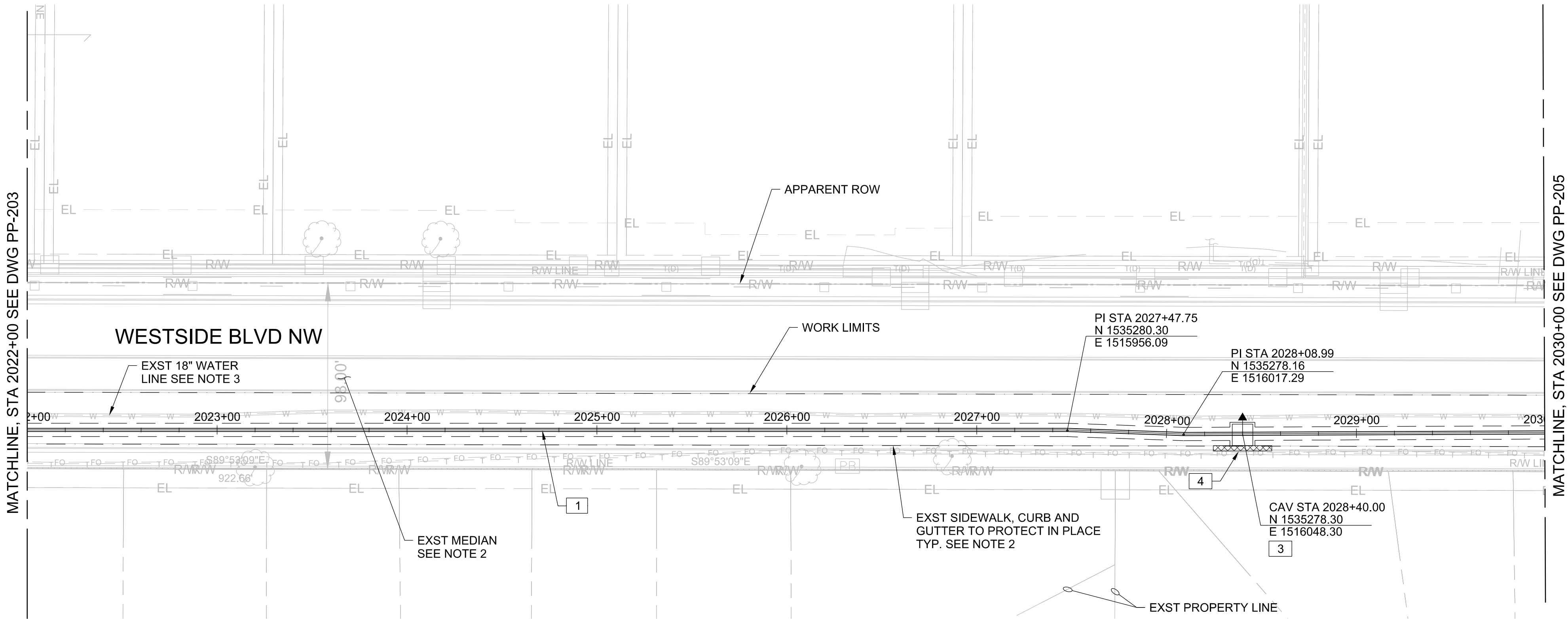


REDRAWN FOR RECORD PURPOSES



CPN 771863

RECORD DRAWINGS		DESIGN TRACKING		SUBMITTED BY:		AS BUILT INFORMATION		ENGINEER'S SEAL	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY		
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.		SCALE: H 1"=40' V 1"=10'	DESIGNED BY: M COUTURE	DATE: 12/2021	<div>Jacobs</div> <div>3721 RUTLEDGE RD NE, SUITE B-1 ALBUQUERQUE, NM 87109 505-884-5600</div>	CONTRACTOR AUI, INC	CONSTRUCTION BEGIN DATE 3/01/2022	THIS DOCUMENT IS AN ELECTRONIC COPY. ORIGINAL DOCUMENT WAS ISSUED AND SEALED ON 12/17/2021. THE ORIGINAL DOCUMENT IS STORED AT THE OFFICES OF JACOBS ALBUQUERQUE, NM.	TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 - WESTSIDE BLVD STA 2022+00 TO STA 2030+00		
		ATTENTION 0 1/2" 1" GRAPHIC SCALE THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	DRAWN BY: S MILLER	DATE: 12/2021		INSPECTOR'S ACCEPTANCE BY JACOBS	DATE 5/31/2022				
			CHECKED BY: E FORD	DATE: 12/2021		INSPECTOR'S NAME L KOIKE/V TORRES					
			CROSS CHK'D BY: W CHRISTOFFERSON	DATE: 12/2021		SUBSTANTIAL COMPLETION DATE 5/31/2022					
			APPROVED BY: J PETERSON	DATE: 12/2021		DRAWINGS CORRECTED BY JACOBS	DATE 8/2022		WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.03001		
			MAPS/RECORDS INFO.						ZONE MAP NO. A-13		
									SHEET PP-204		





THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"


- GENERAL NOTES:
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- KEY NOTES:
- INSTALL 20" DIA. DUCTILE IRON RAW WATER PIPE CLASS 250 PSI. ENCASE BURIED DUCTILE IRON PIPE IN PURPLE POLYETHYLENE SHEETING PER SUPPLEMENTAL SPECIFICATION SECTION 801.
 - NOT USED
 - INSTALL 2" CAV VAL-MATIC MODEL 202C.2, 150 PSI FOR CLEAN WATER WITH VAULT PER STANDARD DWG 2350.
 - REPAIR CURB AND GUTTER PER STANDARD DWG 2415A AND 2415B AND SPECIFICATION SECTION 300.



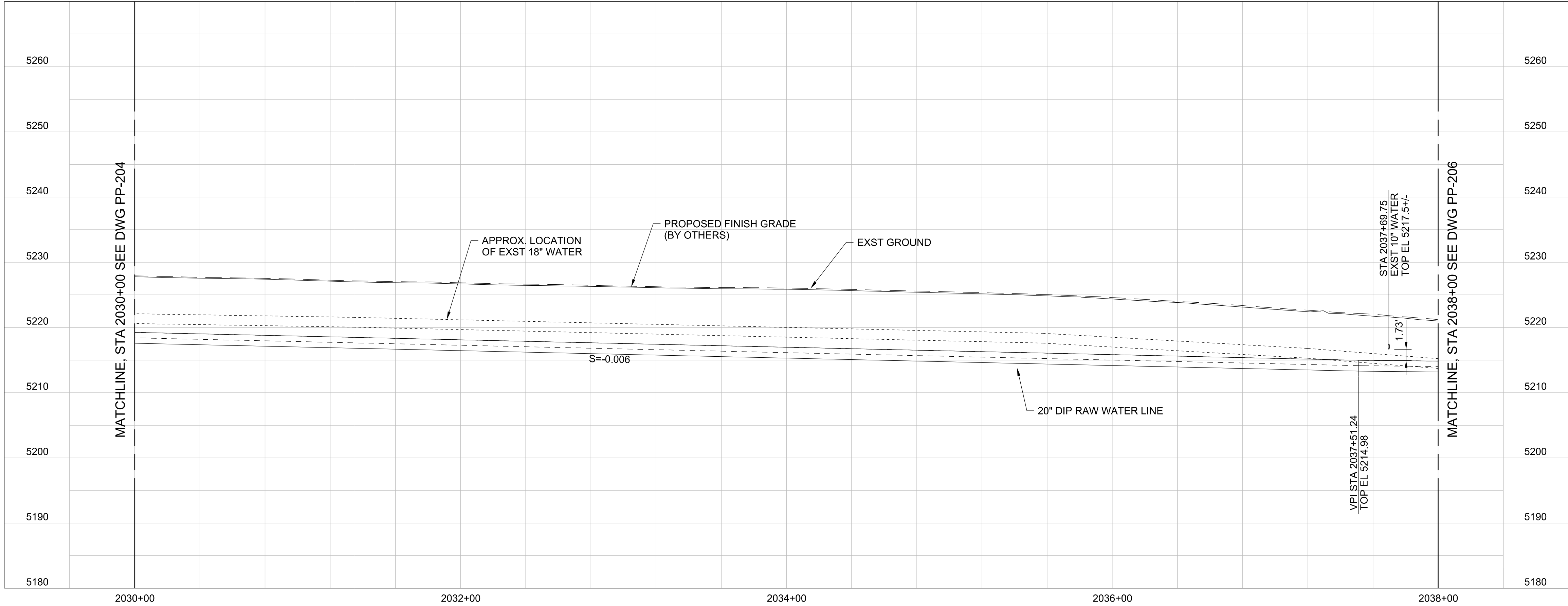
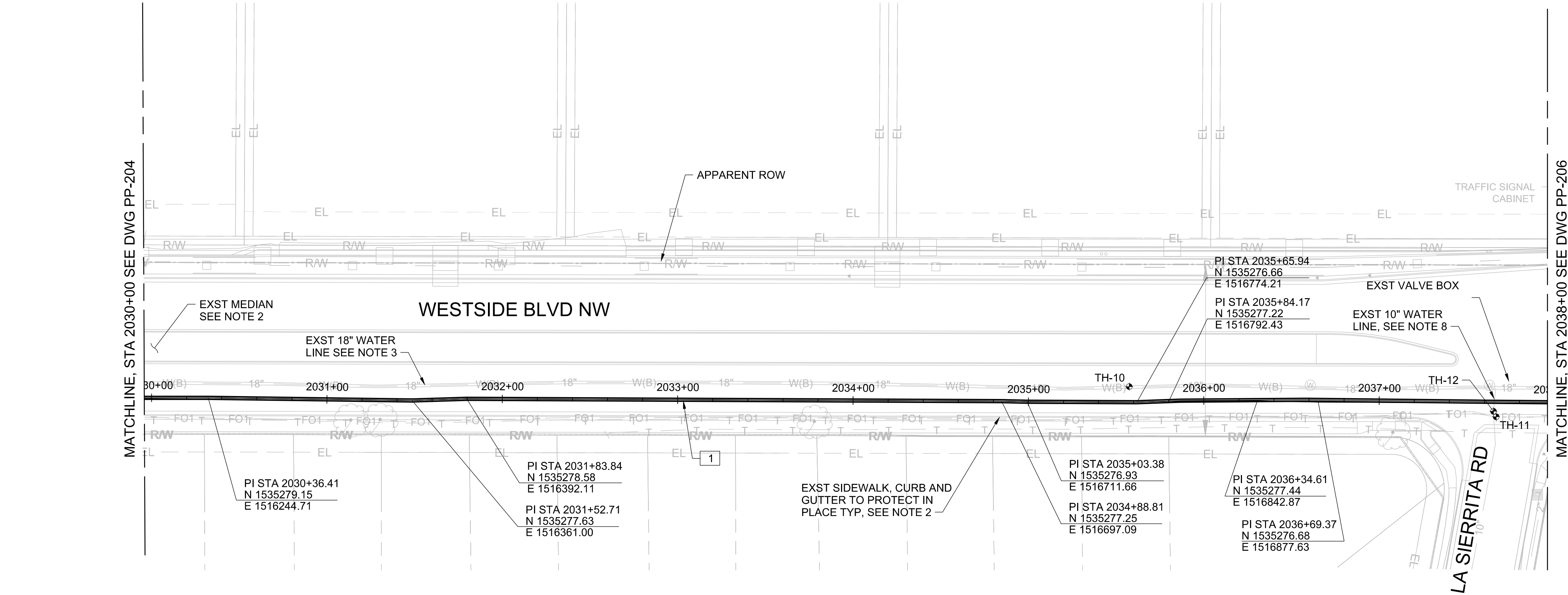
Approved by  J. Peterson
City Engineer
Review Committee
Scale: 1"=100'
CPN 771863

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	SUBMITTED BY:	AS BUILT INFORMATION
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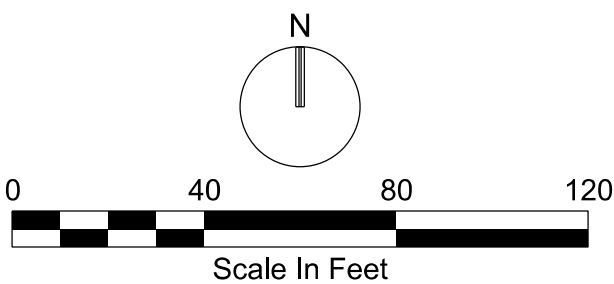
 ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY			
TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 - WESTSIDE BLVD			
STA 2022+00 TO STA 2030+00			
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.030XX	ZONE MAP NO. A-13	SHEET PP-204	

- GENERAL NOTES:
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 - PROPOSED BASE COURSE (BY OTHERS) UNLESS OTHERWISE NOTED ON DRAWINGS.
 - INSTALL PURPLE TRACE WIRE AND TEST STATIONS PER STANDARD DWG 2303 AND 2325.
 - NOT USED
 - DEFLECT WATER PIPE HORIZONTAL AND VERTICAL ALIGNMENTS AT LOCATIONS INDICATED ON DRAWINGS WITH A MAXIMUM ALLOWABLE BELL-JOINT DEFLECTION OF 2 DEGREES OR 75% OF PIPE MANUFACTURER'S RECOMMENDATION, WHICHEVER IS LESS.
 - DESIGN AND INSTALL TEMPORARY SUPPORT FOR EXISTING 10" UNRESTRAINED PVC WATERLINE WHERE CROSSING. INSTALL SPLIT MECHANICAL JOINT RESTRAINT ON EXISTING WATERLINE WHERE EXPOSED. WATERLINE SHUT OFF WILL NOT BE ALLOWED.
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- 1
- INSTALL 20" DIA. DUCTILE IRON RAW WATER PIPE CLASS 250 PSI WITH CEMENT-MORTAR LINING AND ASPHALTIC COATING.
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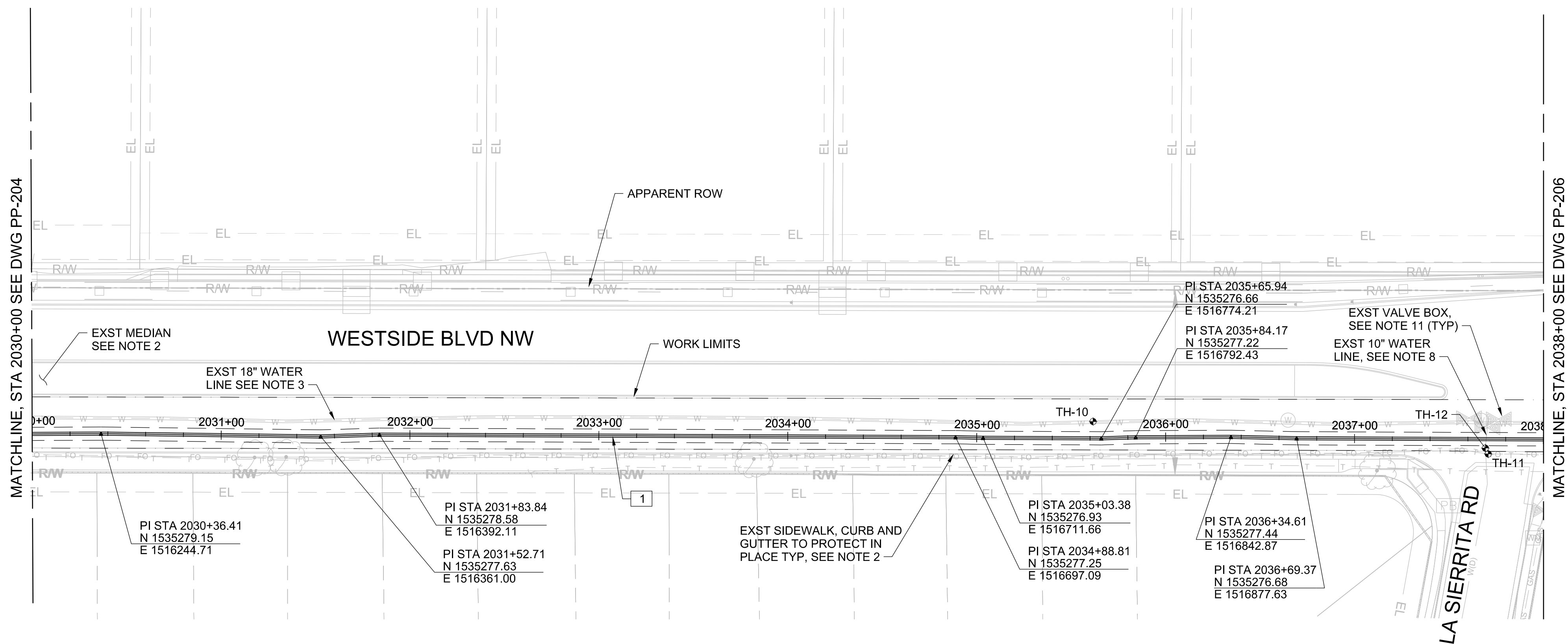


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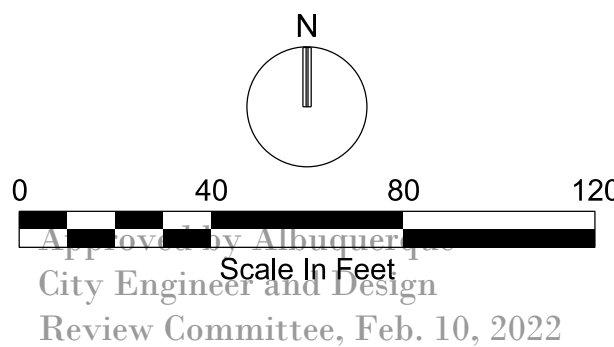
RECORD DRAWINGS	SCALE:		DESIGN TRACKING		SUBMITTED BY:	AS BUILT INFORMATION		ENGINEER'S SEAL	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY							
	H 1"=40'	V 1"=10'	DESIGNED BY:	M COUTURE		DATE:	12/2021	CONTRACTOR	AUI, INC	THIS DOCUMENT IS AN ELECTRONIC COPY. ORIGINAL DOCUMENT WAS ISSUED AND SEALED ON 12/17/2021. THE ORIGINAL DOCUMENT IS STORED AT THE OFFICES OF JACOBS ALBUQUERQUE, NM.	TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 – WESTSIDE BLVD STA 2030+00 TO STA 2038+00	WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.03001	ZONE MAP NO. A-13	SHEET PP-205		
	<div>ATTENTION</div> <div>0 1/2" 1"</div> <div></div> <div>GRAPHIC SCALE</div> <div>THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)</div>		DRAWN BY:	S MILLER		DATE:	12/2021	CONSTRUCTION BEGIN DATE	3/01/2022							
			CHECKED BY:	E FORD		DATE:	12/2021	INSPECTOR'S ACCEPTANCE BY	JACOBS						DATE	5/31/2022
			CROSS CHK'D BY:	W CHRISTOFFERSON		DATE:	12/2021	INSPECTOR'S NAME	L KOIKE/V TORRES						SUBSTANTIAL COMPLETION DATE	5/31/2022
		APPROVED BY:	J PETERSON	DATE:	12/2021	DRAWINGS CORRECTED BY	JACOBS	DATE	8/2022							
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					-											



- GENERAL NOTES:
- PROTECT EXISTING UTILITIES IN PLACE. REPAIR DAMAGE TO EXISTING UTILITIES AT THE CONTRACTOR'S EXPENSE. SUPPORT EXISTING UTILITIES IN PLACE AS NECESSARY TO PROTECT DURING CONSTRUCTION OF THE 20" RAW WATER PIPELINE. INSTALL LEAN FILL AT EXISTING UTILITY CROSSINGS PER DETAIL (3123-762) AND COA STANDARD SPECIFICATION
 207. ADDITIONAL PAYMENT WILL NOT BE PROVIDED FOR DAMAGED UTILITIES AND THE COST TO REPAIR OR REPLACE.
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MEDIAN AND STANDARD CURB AND GUTTER: 2415
SIDEWALK: 2430
VALLEY CUTTER: 2420
MEDIAN PCCP SURFACING: 2408
 - PROTECT EXISTING UNRESTRAINED 18" DIP WATER LINE 125 PSI IN PLACE (APPROX. DEPTH 5 FT). EXISTING WATERLINE CANNOT BE ISOLATED AND NO SHUT OFF WILL BE ALLOWED. MONITOR EXISTING WATER LINE EVERY 250 FEET PER (3123-915)
 - BACKFILL PIPE TRENCH PER SPECIFICATION SECTION 701 AND (3123-915) (SEE SHEET DT-07) BACKFILL TRENCH TO ELEVATION BELOW
 - PROPOSED BASE COURSE (BY OTHERS) UNLESS OTHERWISE NOTED ON DRAWINGS.
 - INSTALL PURPLE TRACER WIRE AND TEST STATIONS PER STANDARD DWG 2303 AND 2325.
 - NOT USED
 - DEFLECT WATER PIPE HORIZONTAL AND VERTICAL ALIGNMENTS AT LOCATIONS INDICATED ON DRAWINGS WITH A MAXIMUM ALLOWABLE BELL-JOINT DEFLECTION OF 2 DEGREES OR 75% OF PIPE MANUFACTURER'S RECOMMENDATION, WHICHEVER IS LESS.
 - DESIGN AND INSTALL TEMPORARY SUPPORT FOR EXISTING 10" UNRESTRAINED PVC WATERLINE WHERE CROSSING. INSTALL SPLIT MECHANICAL JOINT RESTRAINT ON EXISTING WATERLINE WHERE EXPOSED. WATERLINE SHUT OFF WILL NOT BE ALLOWED.
 - WORK LIMITS EXTEND FROM EDGE OF GUTTER NORTH TO EDGE OF GUTTER SOUTH UNLESS OTHERWISE NOTED ON DRAWINGS.
 - CONTRACTOR TO COORDINATE TRAFFIC CONTROL (BY OTHERS) AND PROPOSED PAVING AND SUBGRADE (BY OTHERS) WITH COA'S PAVING CONTRACTOR.
 - RAISE EXISTING AND PROPOSED VALVE BOX WITHIN WORK LIMITS TO PROPOSED FINISH PAVEMENT GRADE.

- KEY NOTES:
- 1 INSTALL 20" DIA. DUCTILE IRON RAW WATER PIPE CLASS 250 PSI. ENCASE BURIED DUCTILE IRON PIPE IN PURPLE POLYETHYLENE SHEETING PER SUPPLEMENTAL SPECIFICATION SECTION 801.

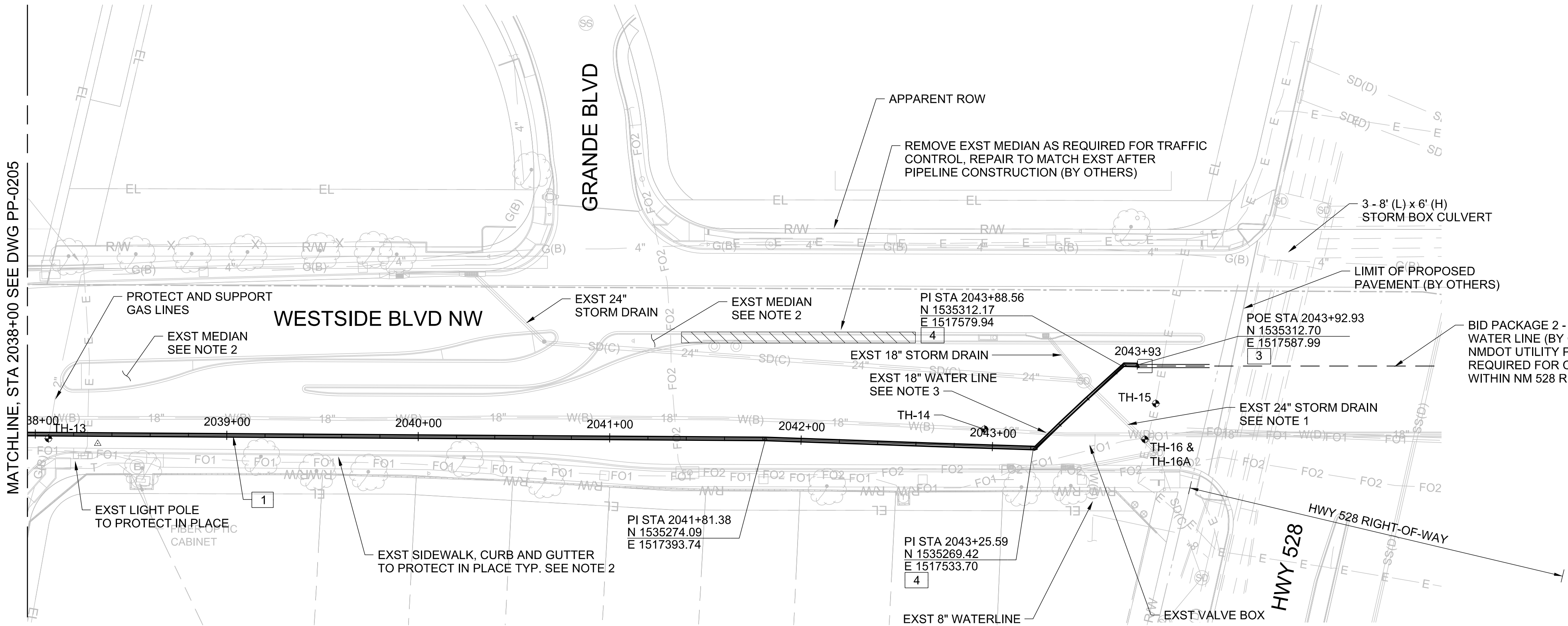
THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"



NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	SUBMITTED BY:	AS BUILT INFORMATION
				H 1"=40' V 1"=10'	DESIGNED BY: M COUTURE DATE: 12/17/21	Jacobs 3721 RUTLEDGE RD NE, SUITE B-1 ALBUQUERQUE, NM 87109 505-884-5600	CONTRACTOR --
				ATTENTION	DRAWN BY: S MILLER DATE: 12/17/21		CONSTRUCTION BEGIN DATE --
				0 1/2" 1"	CHECKED BY: E FORD DATE: 12/17/21		INSPECTOR'S ACCEPTANCE BY -- DATE --
				GRAPHIC SCALE	CROSS CHK'D BY: W CHRISTOFFERSON DATE: 12/17/21		INSPECTOR'S NAME --
				THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: J PETERSON DATE: 12/17/21		SUBSTANTIAL COMPLETION DATE --
					MAPS/RECORDS INFO.		DRAWINGS CORRECTED BY -- DATE --



ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY			
TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 - WESTSIDE BLVD			
STA 2030+00 TO STA 2038+00			
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.030XX	ZONE MAP NO. A-13	SHEET PP-205	



- GENERAL NOTES:
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 - INSTALL PURPLE TRACE WIRE AND TEST STATIONS PER STANDARD DWG 2303 AND 2325.
 - NOT USED
 - DEFLECT WATER PIPE HORIZONTAL AND VERTICAL ALIGNMENTS AT LOCATIONS INDICATED ON DRAWINGS WITH A MAXIMUM ALLOWABLE BELL-JOINT DEFLECTION OF 2 DEGREES OR 75% OF PIPE MANUFACTURER'S RECOMMENDATION, WHICHEVER IS LESS.
 - DESIGN AND INSTALL TEMPORARY SUPPORT FOR EXISTING 12" UNRESTRAINED PVC WATERLINE WHERE CROSSING. INSTALL SPLIT MECHANICAL JOINT RESTRAINT ON EXISTING WATERLINE WHERE EXPOSED. WATERLINE SHUT OFF WILL NOT BE ALLOWED.
 - WORK LIMITS EXTEND FROM EDGE OF GUTTER NORTH TO EDGE OF GUTTER SOUTH UNLESS OTHERWISE NOTED ON DRAWINGS.
 - CONTRACTOR TO COORDINATE TRAFFIC CONTROL (BY OTHERS) AND PROPOSED PAVING AND SUBGRADE (BY OTHERS) WITH COA'S PAVING CONTRACTOR.

KEY NOTES:

- 1

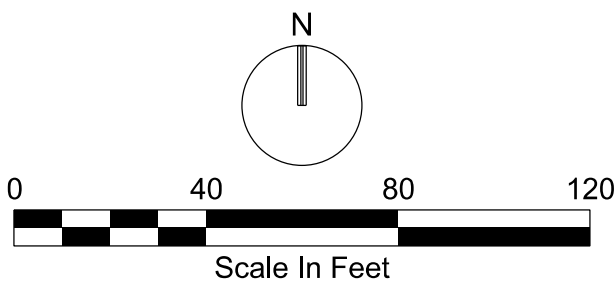
INSTALL 20" DIA. DUCTILE IRON RAW WATER PIPE CLASS 250 PSI WITH CEMENT-MORTAR LINING AND ASPHALTIC COATING. ENCASE BURIED DUCTILE IRON PIPE IN PURPLE POLYETHYLENE SHEETING PER SUPPLEMENTAL SPECIFICATION SECTION 801.
- 2

NOT USED
- 3


INSTALL 20" DIA DUCTILE IRON CAP WITH INCORPORATED OUTLETS AS NECESSARY AND WITH MECHANICAL RESTRAINED LENGTH FOR PIPE PRESSURE TESTING.
- 4

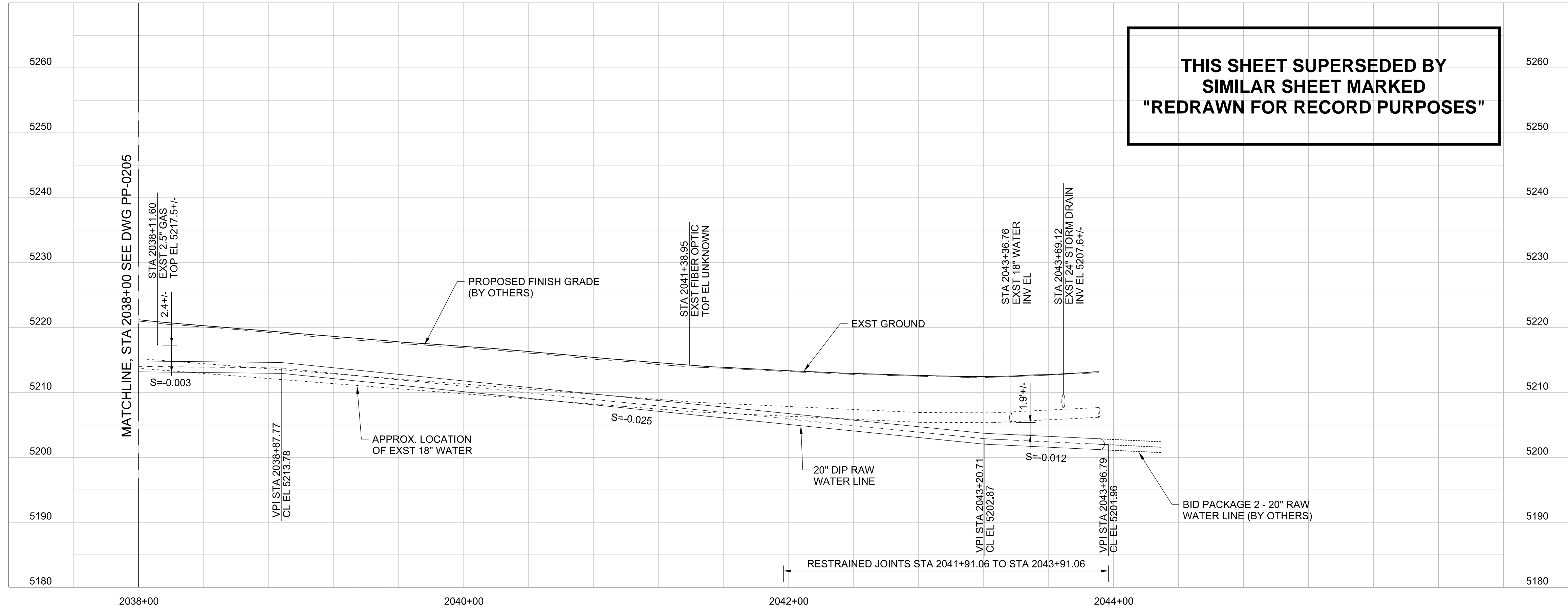
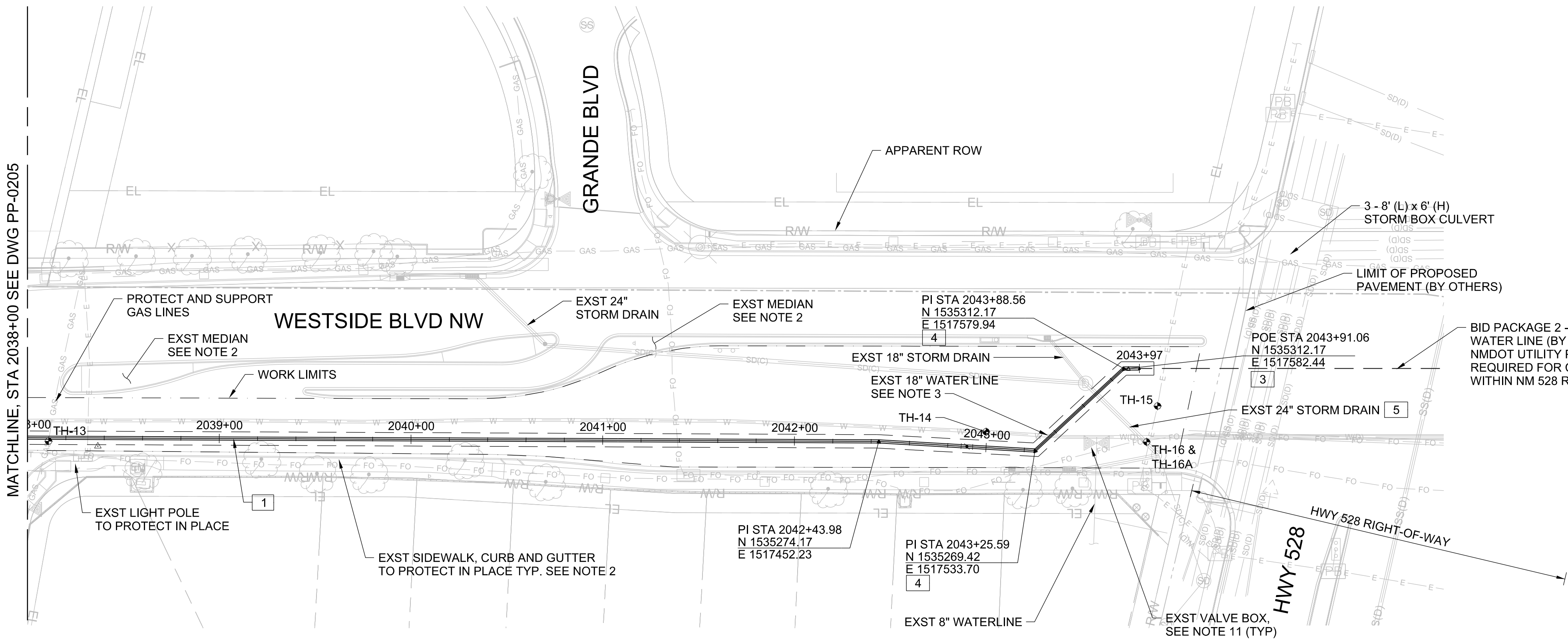
INSTALL 20" DIA DUCTILE IRON 45° BENDS WITH MECHANICAL JOINT RESTRAINT.

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CPN 771863

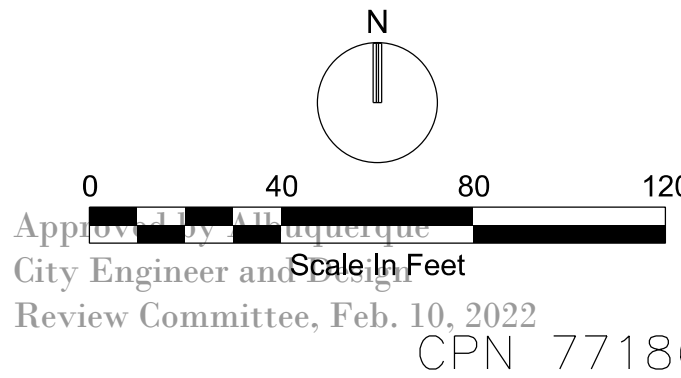
RECORD DRAWINGS		SCALE:		DESIGN TRACKING		SUBMITTED BY:		AS BUILT INFORMATION		ENGINEER'S SEAL	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY			
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				CHECKED BY:	E FORD	DATE:	12/2021	INSPECTOR'S ACCEPTANCE BY		JACOBS		DATE	5/31/2022	
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				APPROVED BY:	J PETERSON	DATE:	12/2021	SUBSTANTIAL COMPLETION DATE		5/31/2022				
				MAPS/RECORDS INFO.		3721 RUTLEDGE RD NE, SUITE B-1 ALBUQUERQUE, NM 87109 505-884-5600		DRAWINGS CORRECTED BY		JACOBS	DATE	8/2022	STA 2038+00 TO POE STA 2043+96.79	
				-										



THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"

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- KEY NOTES:
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 - NOT USED
 - INSTALL 20" DIA DUCTILE IRON CAP WITH INCORPORATED OUTLETS AS NECESSARY AND WITH MECHANICAL RESTRAINED LENGTH FOR PIPE PRESSURE TESTING.
 - INSTALL 20" DIA DUCTILE IRON 45° BENDS WITH MECHANICAL JOINT RESTRAINT.
 - REMOVE EXISTING RCP STORM DRAIN PRIOR TO INSTALL 20" RAW WATERLINE. REPLACE AND CONNECT PER (3305-951) INSTALL CONCRETE CRADLE AT CROSSING PER (3123-762)



NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	SUBMITTED BY:	AS BUILT INFORMATION
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				ATTENTION	DRAWN BY: S MILLER DATE: 12/17/21	3721 RUTLEDGE RD NE, SUITE B-1	CONSTRUCTION BEGIN DATE --
				0 1/2" 1"	CHECKED BY: E FORD DATE: 12/17/21	ALBUQUERQUE, NM 87109	INSPECTOR'S ACCEPTANCE BY -- DATE --
				GRAPHIC SCALE	CROSS CHK'D BY: W CHRISTOFFERSON DATE: 12/17/21	505-884-5600	INSPECTOR'S NAME --
				THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: J PETERSON DATE: 12/17/21		SUBSTANTIAL COMPLETION DATE --
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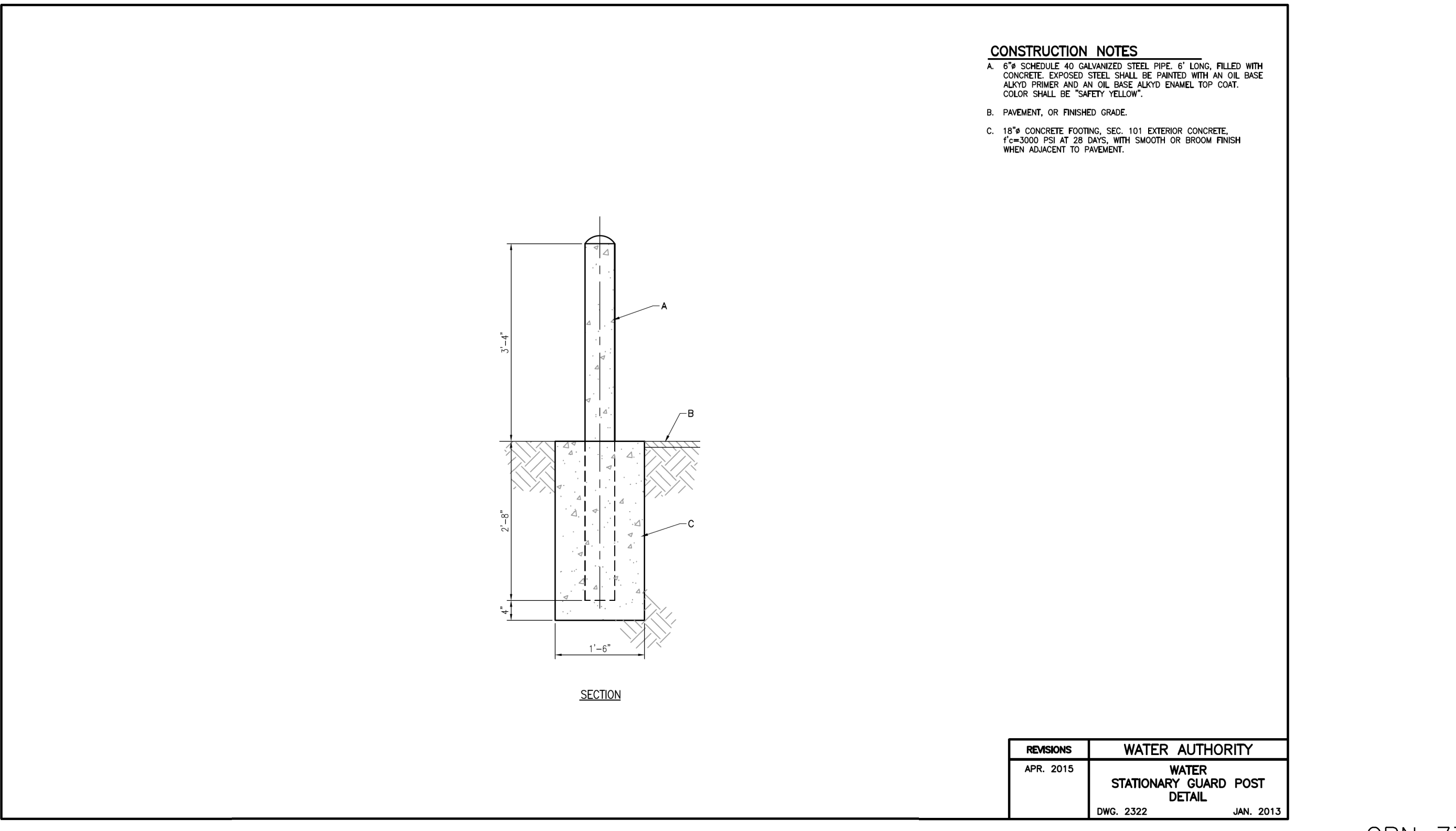
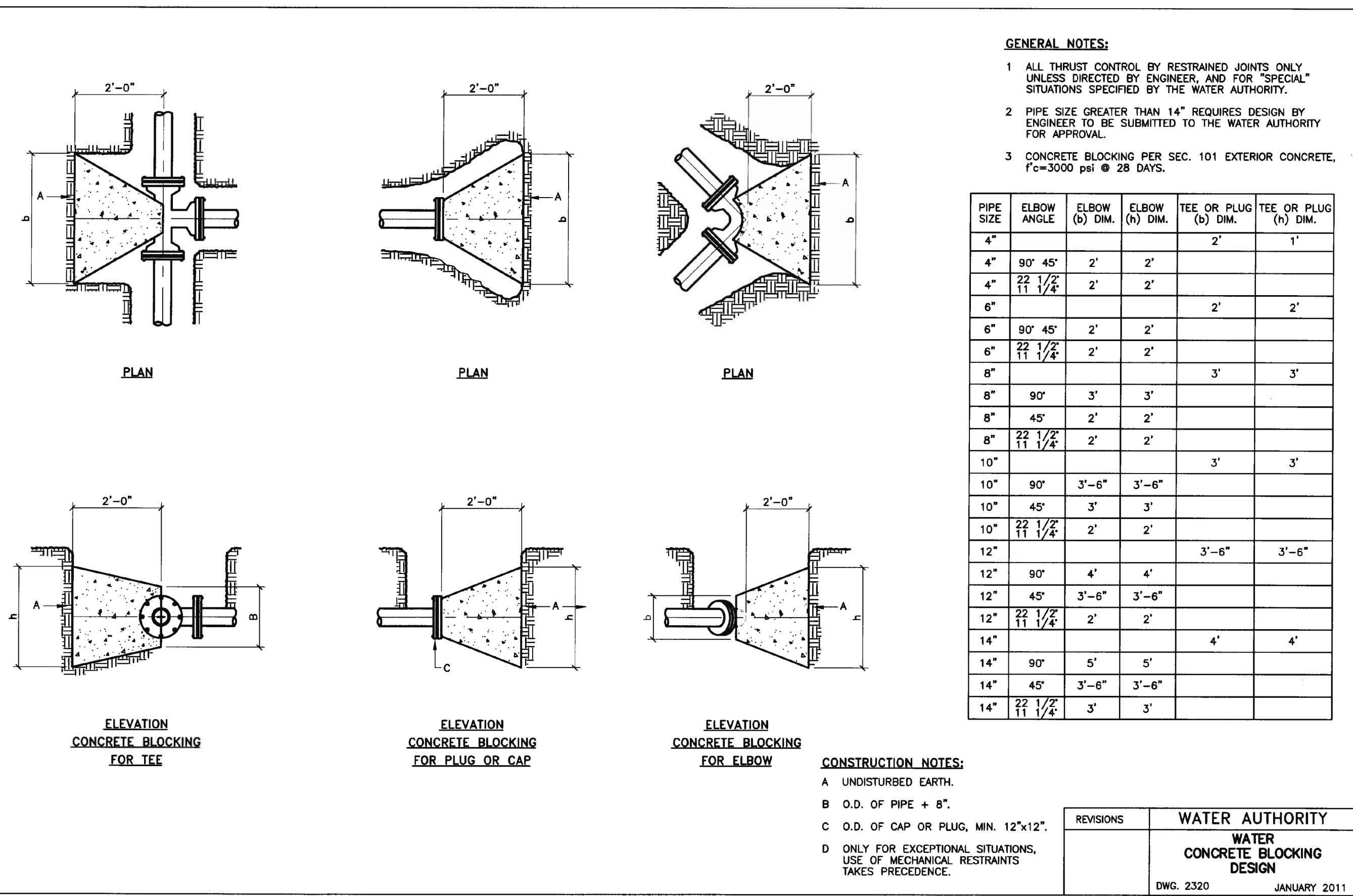
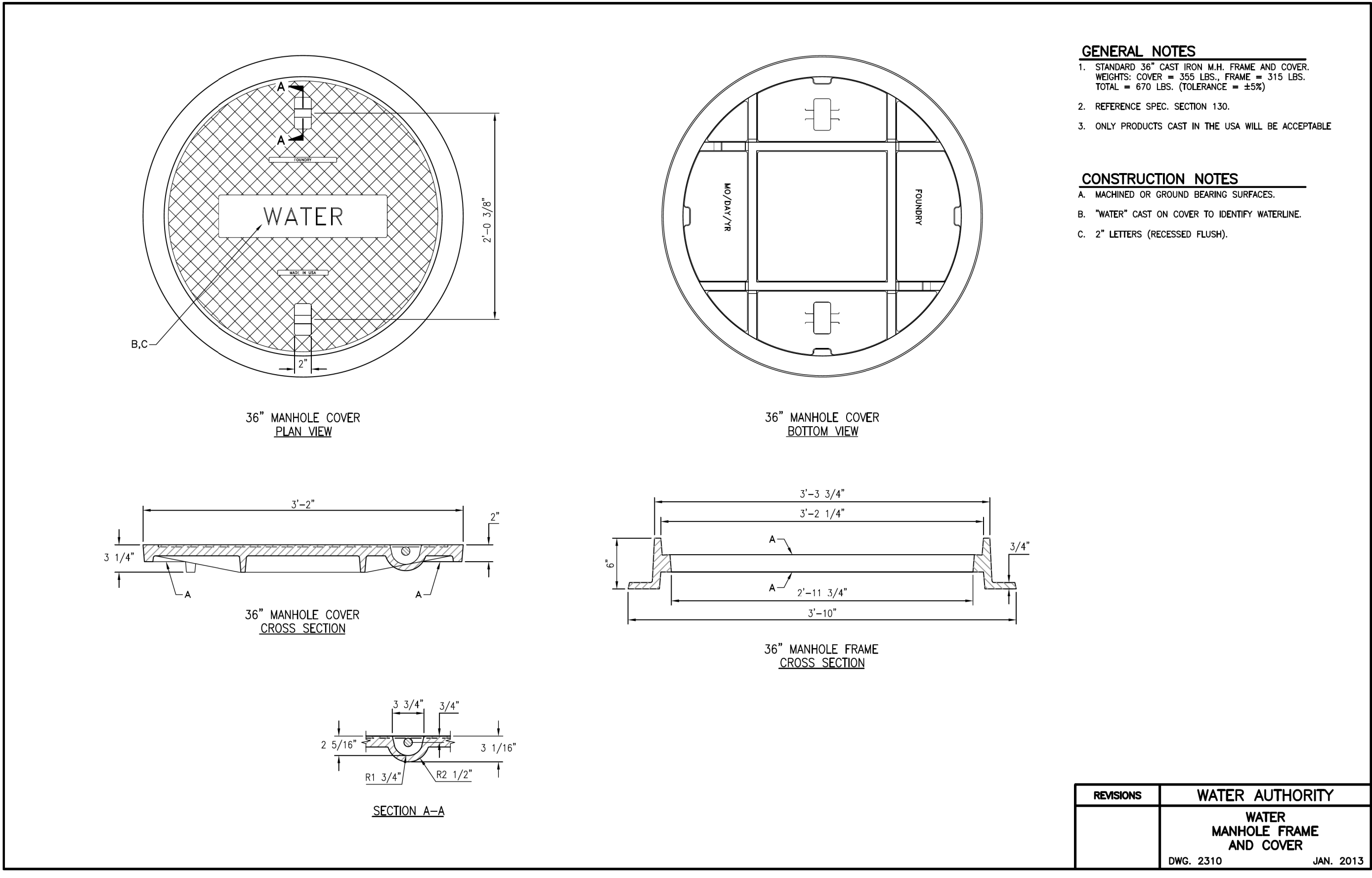
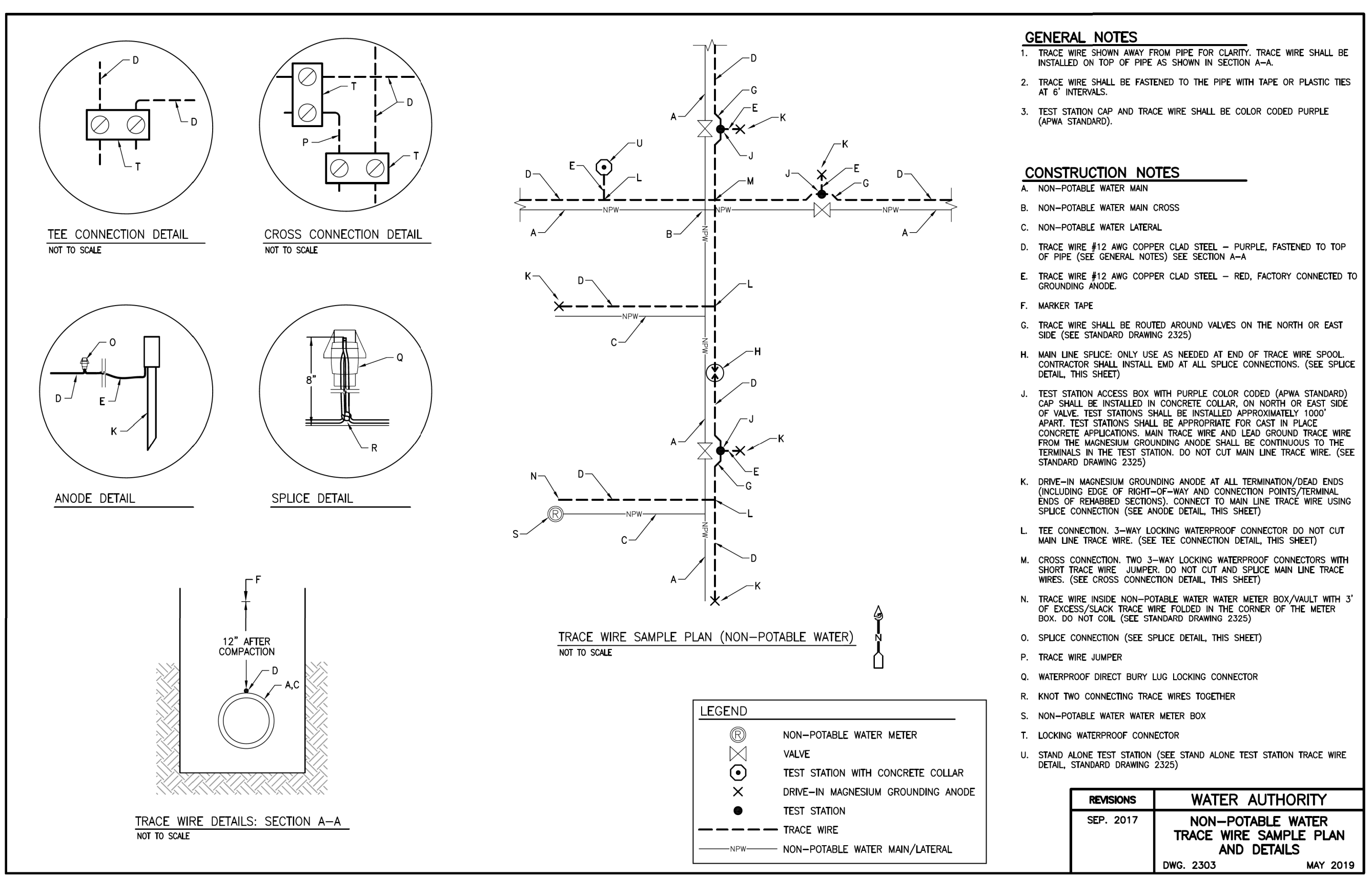
ALBUQUERQUE BERNALILLO COUNTY
WATER UTILITY AUTHORITY

TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION
BID PACKAGE NO. 1 - WESTSIDE BLVD

STA 2038+00 TO POE STA 2043+96.79

WATER AUTHORITY PROJECT NO. 2320.030XX ZONE MAP NO. A-13 SHEET PP-206

CONSTRUCTION PROJECT NO. 2320.030XX ZONE MAP NO. A-13 SHEET PP-206



REDRAWN FOR RECORD PURPOSES

CPN 771863

RECORD DRAWINGS

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1"=	DESIGNED BY: M COUTURE DATE: 12/2021
ATTENTION	DRAWN BY: C LAMB DATE: 12/2021
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GRAPHIC SCALE	CROSS CHK'D BY: W CHRISTOFFERSON DATE: 12/2021
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	MAPS/RECORDS INFO.

SUBMITTED BY:

Jacobs

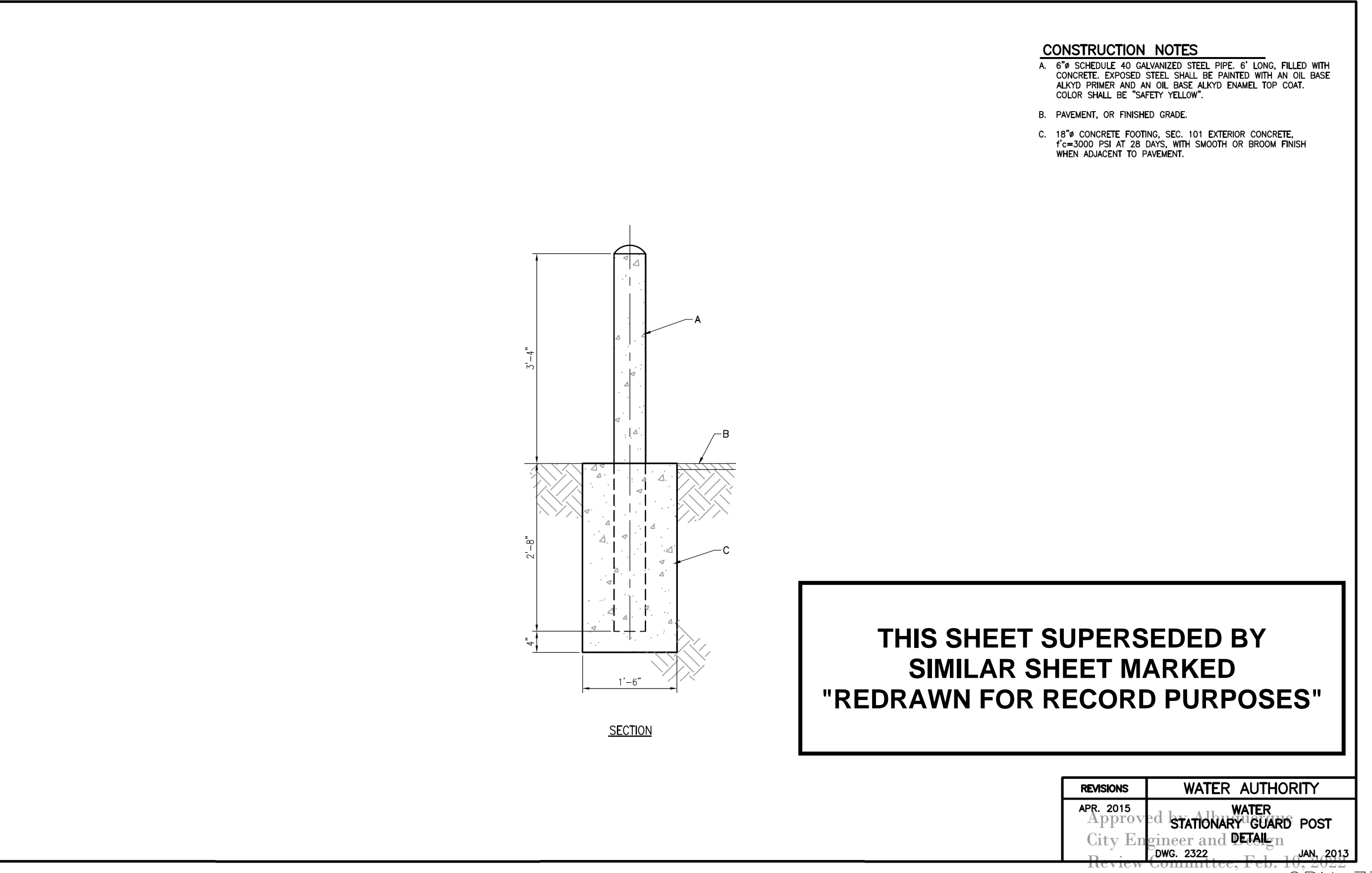
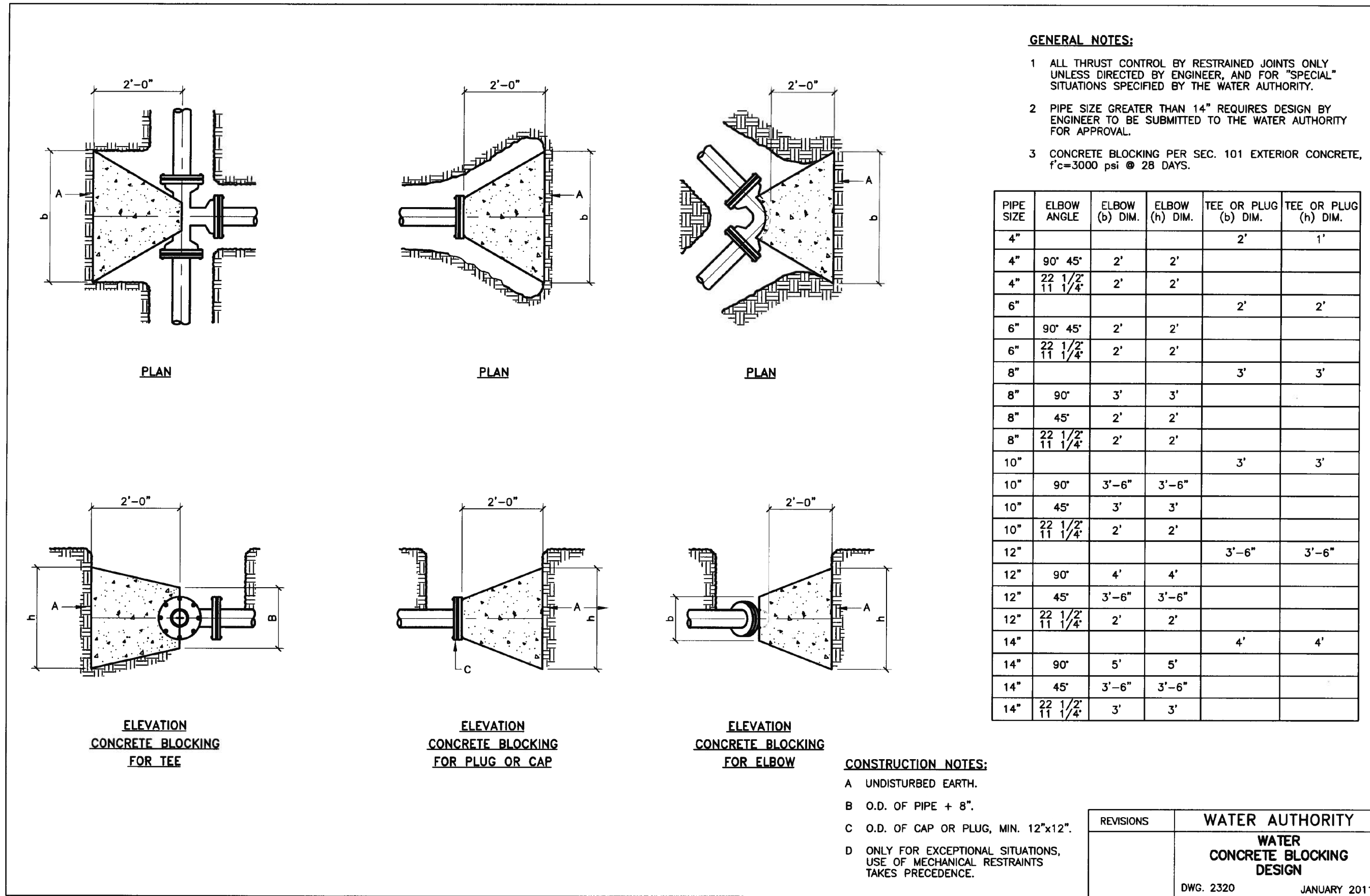
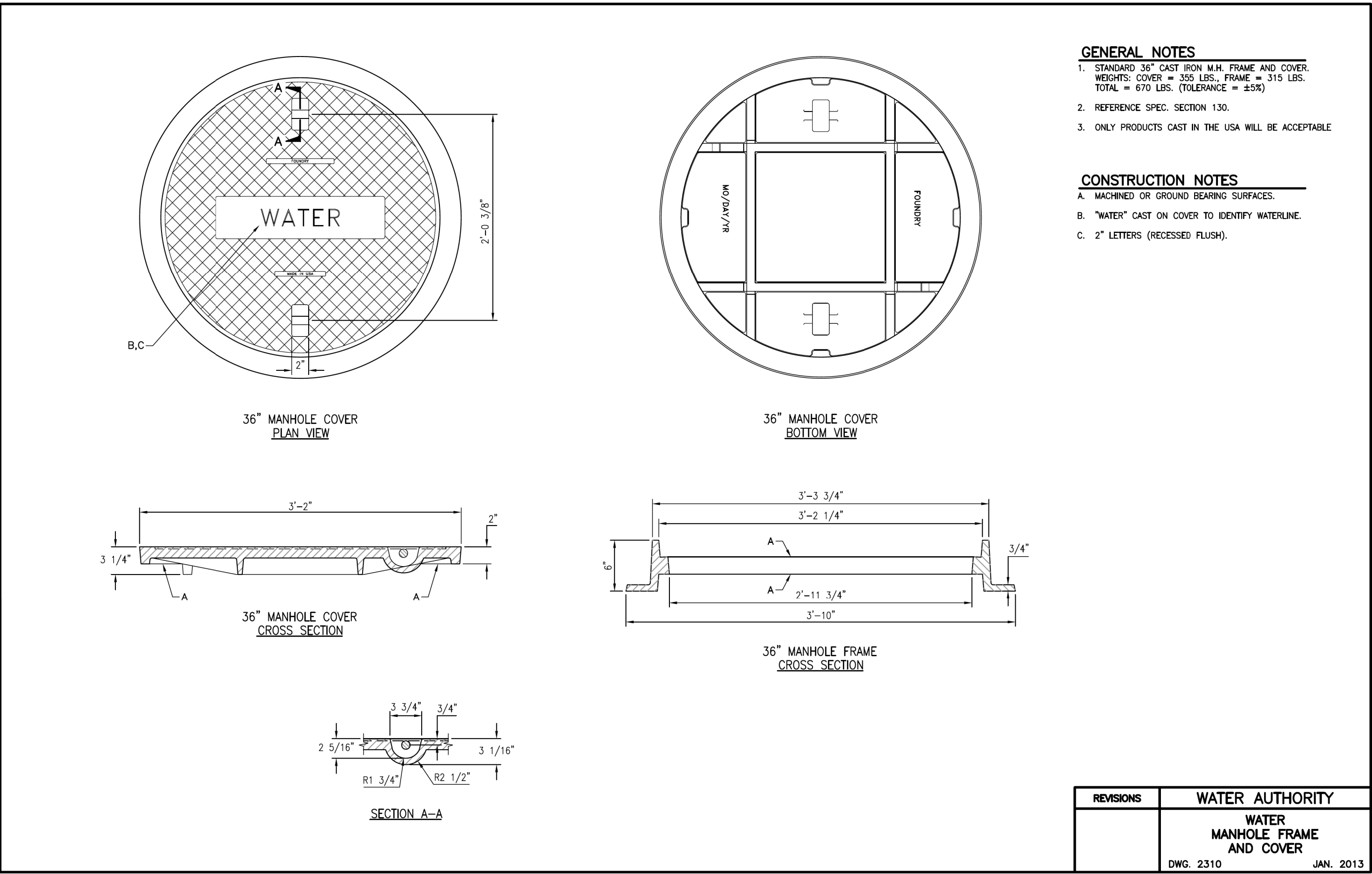
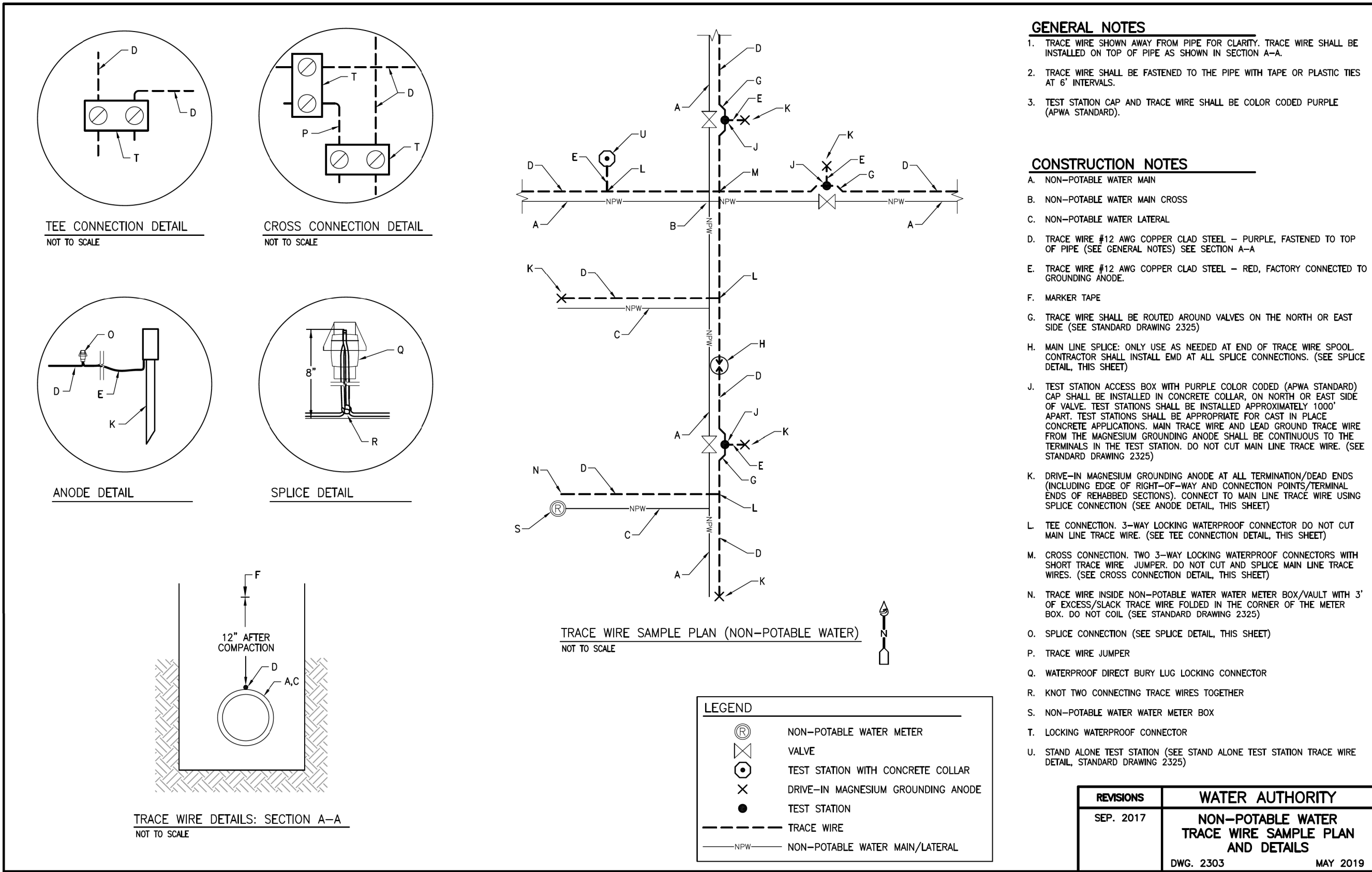
3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

AS BUILT INFORMATION
CONTRACTOR: AUI, INC.
CONSTRUCTION BEGIN DATE: 3/01/2022
INSPECTOR'S ACCEPTANCE BY: JACOBS DATE: 5/31/2022
INSPECTOR'S NAME: L KOIKE/V TORRES
SUBSTANTIAL COMPLETION DATE: 5/31/2022
DRAWINGS CORRECTED BY: JACOBS DATE: 8/2022




ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY			
TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 WESTSIDE BLVD			
STANDARD DETAILS			
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.03001	ZONE MAP NO. A-12 & A-13	SHEET DT-01	

DT-1.dgn



NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	SUBMITTED BY:	AS BUILT INFORMATION		
				1"=	DESIGNED BY: M COUTURE	DATE: 12/17/21	CONTRACTOR --		
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ALBUQUERQUE BERNALILLO COUNTY
WATER UTILITY AUTHORITY

TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION
BID PACKAGE NO. 1 WESTSIDE BLVD

STANDARD DETAILS

WATER AUTHORITY
CONSTRUCTION PROJECT NO. 2320.030XX

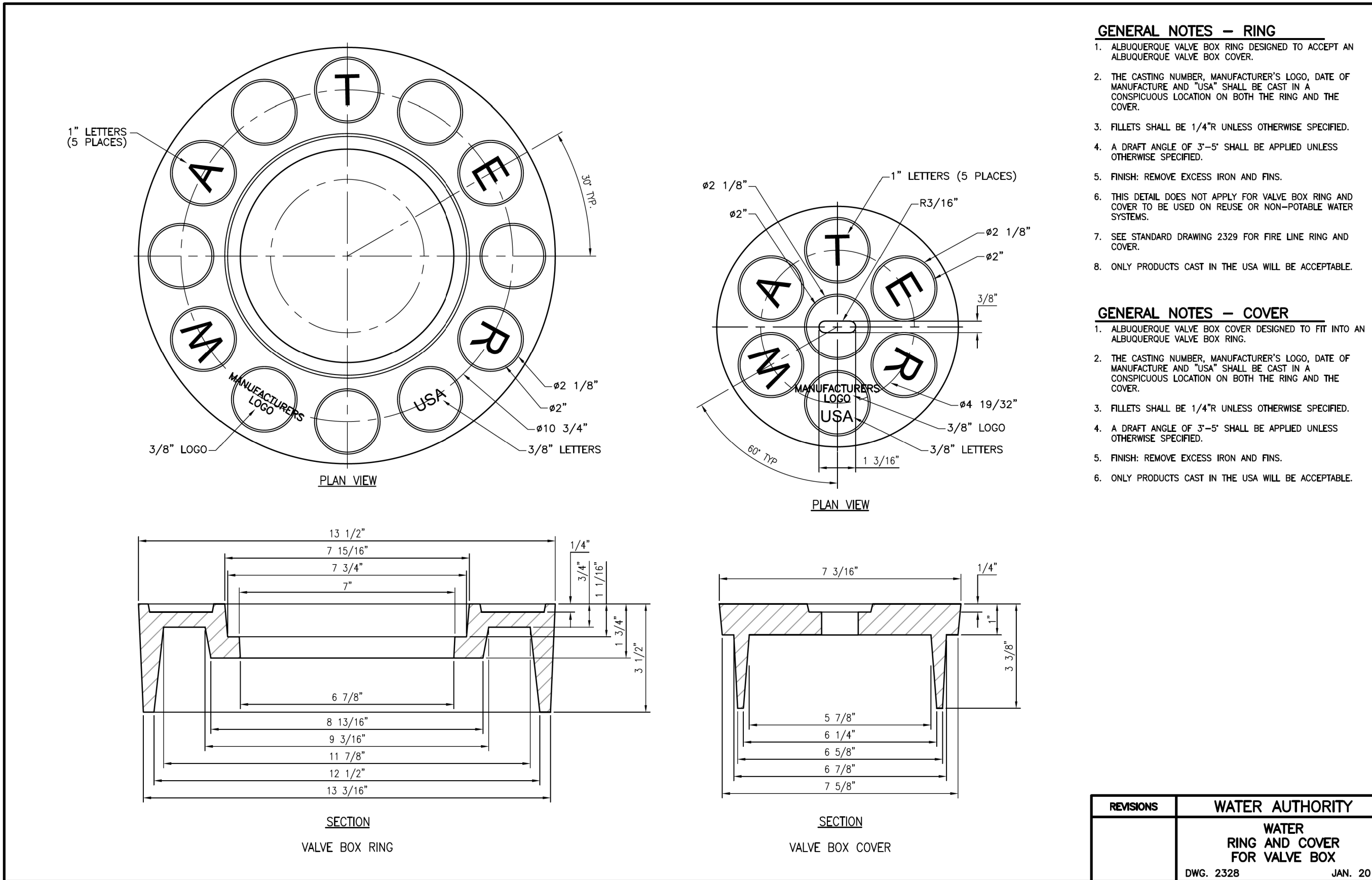
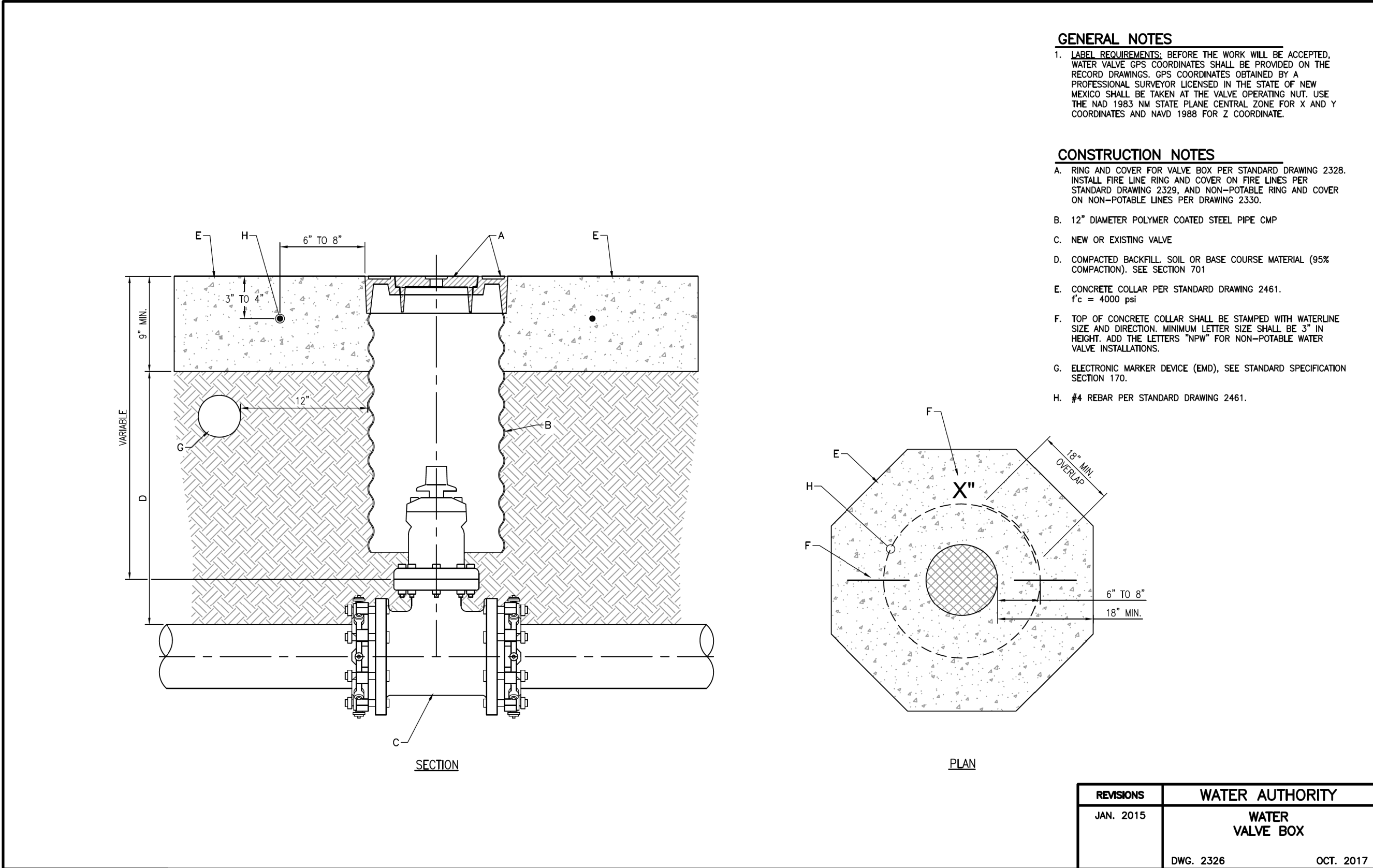
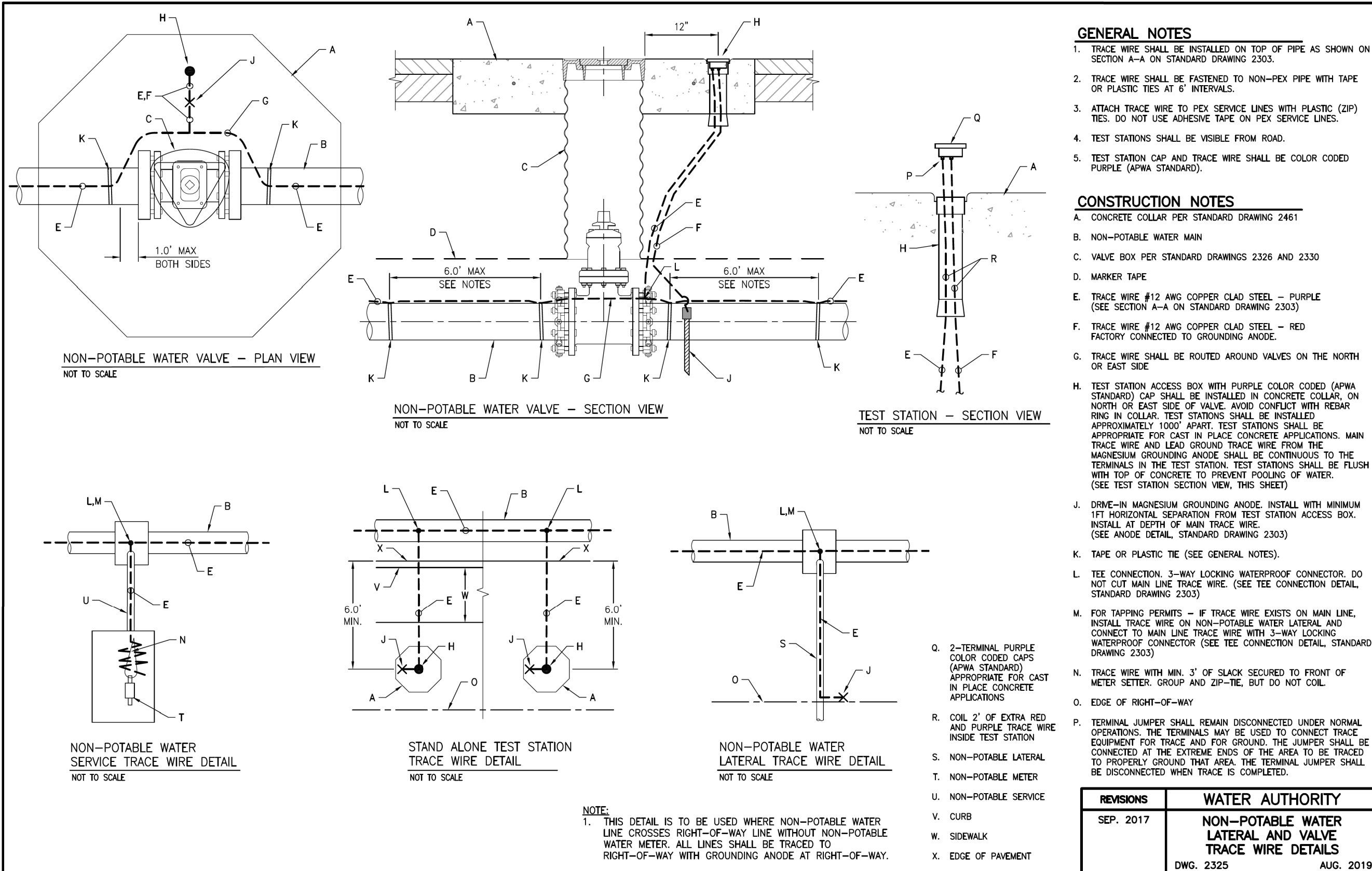
ZONE MAP NO.

SHEET DT-01

DT-1.dgn

CPN 771863

12 OF 19



REDRAWN FOR RECORD PURPOSES

CPN 771863

RECORD DRAWINGS

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THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)		APPROVED BY: J PETERSON	DATE: 12/2021
		MAPS/RECORDS INFO.	

SUBMITTED BY:

Jacobs

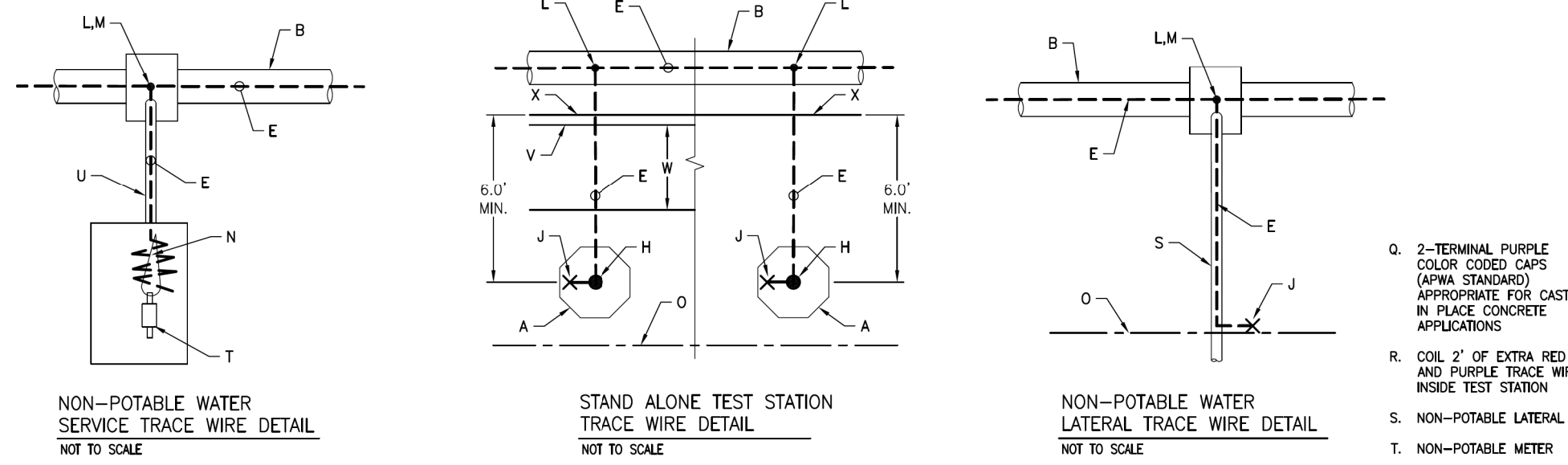
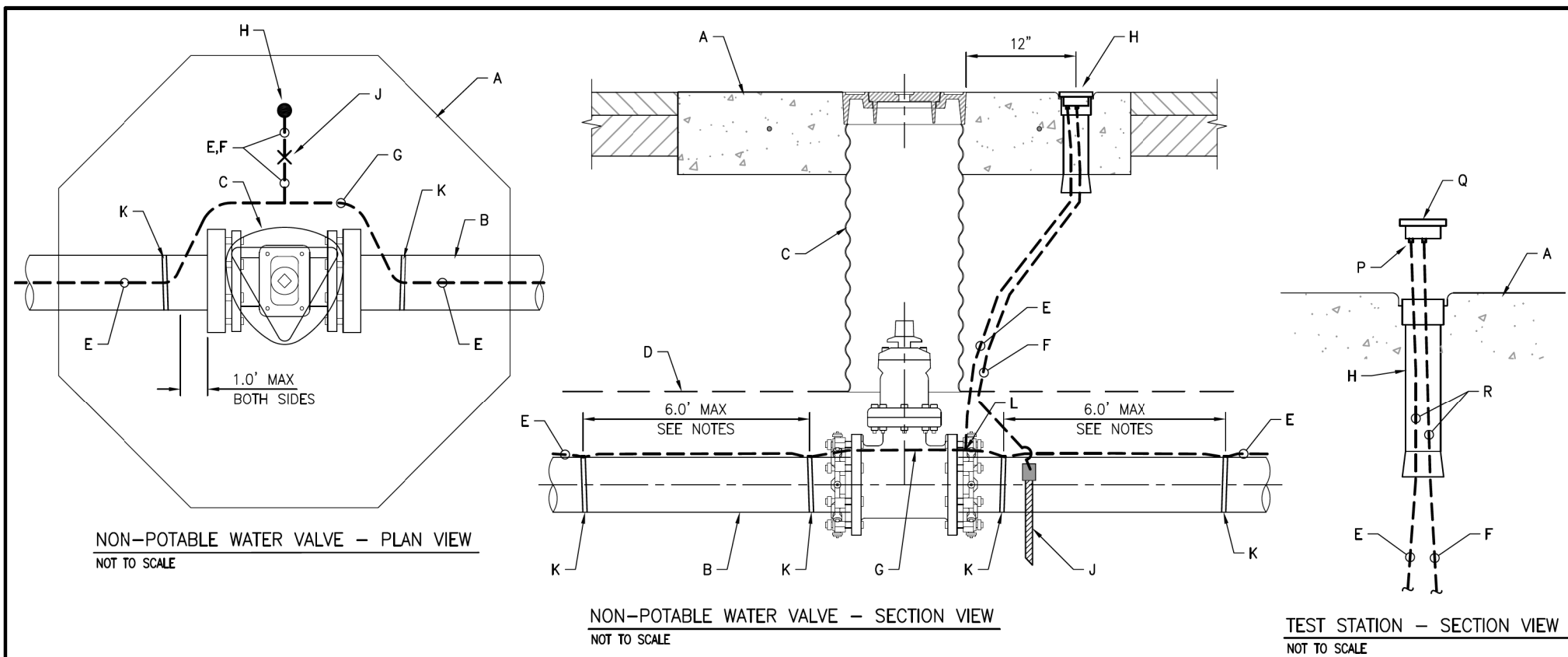
3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

AS BUILT INFORMATION	
CONTRACTOR	AUI, INC
CONSTRUCTION BEGIN DATE	3/01/2022
INSPECTOR'S ACCEPTANCE BY	JACOBS DATE 5/31/2022
INSPECTOR'S NAME	L KOIKE/V TORRES
SUBSTANTIAL COMPLETION DATE	5/31/2022
DRAWINGS CORRECTED BY	JACOBS DATE 8/2022



ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY	
TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 WESTSIDE BLVD	
STANDARD DETAILS	
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.03001	ZONE A-12 & A-13 SHEET DT-02

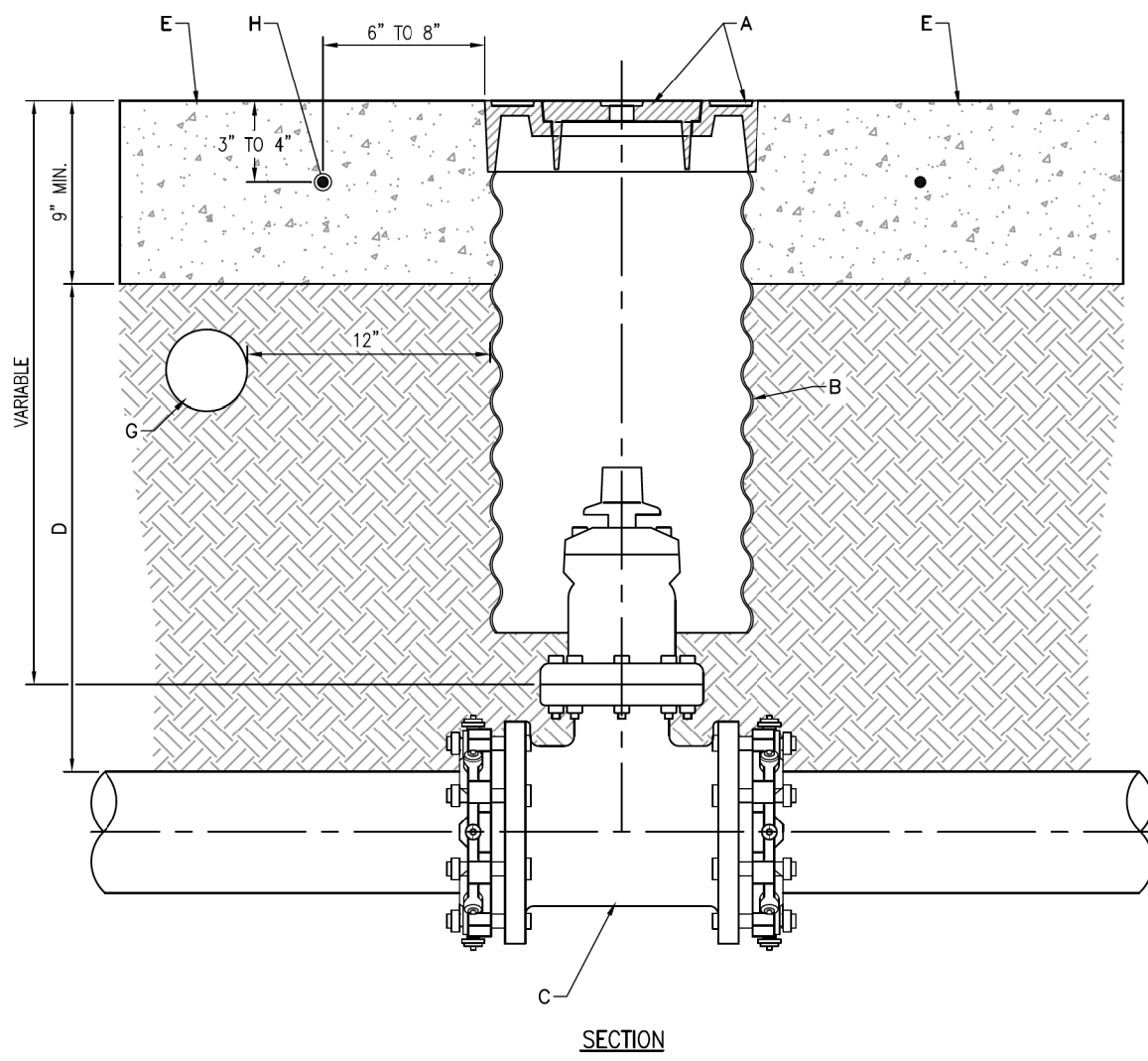
DT-2.dgn



NOTE:
1. THIS DETAIL IS TO BE USED WHERE NON-POTABLE WATER LINE CROSSES RIGHT-OF-WAY LINE WITHOUT NON-POTABLE WATER METER. ALL LINES SHALL BE TRACED TO RIGHT-OF-WAY WITH GROUNDING ANODE AT RIGHT-OF-WAY.

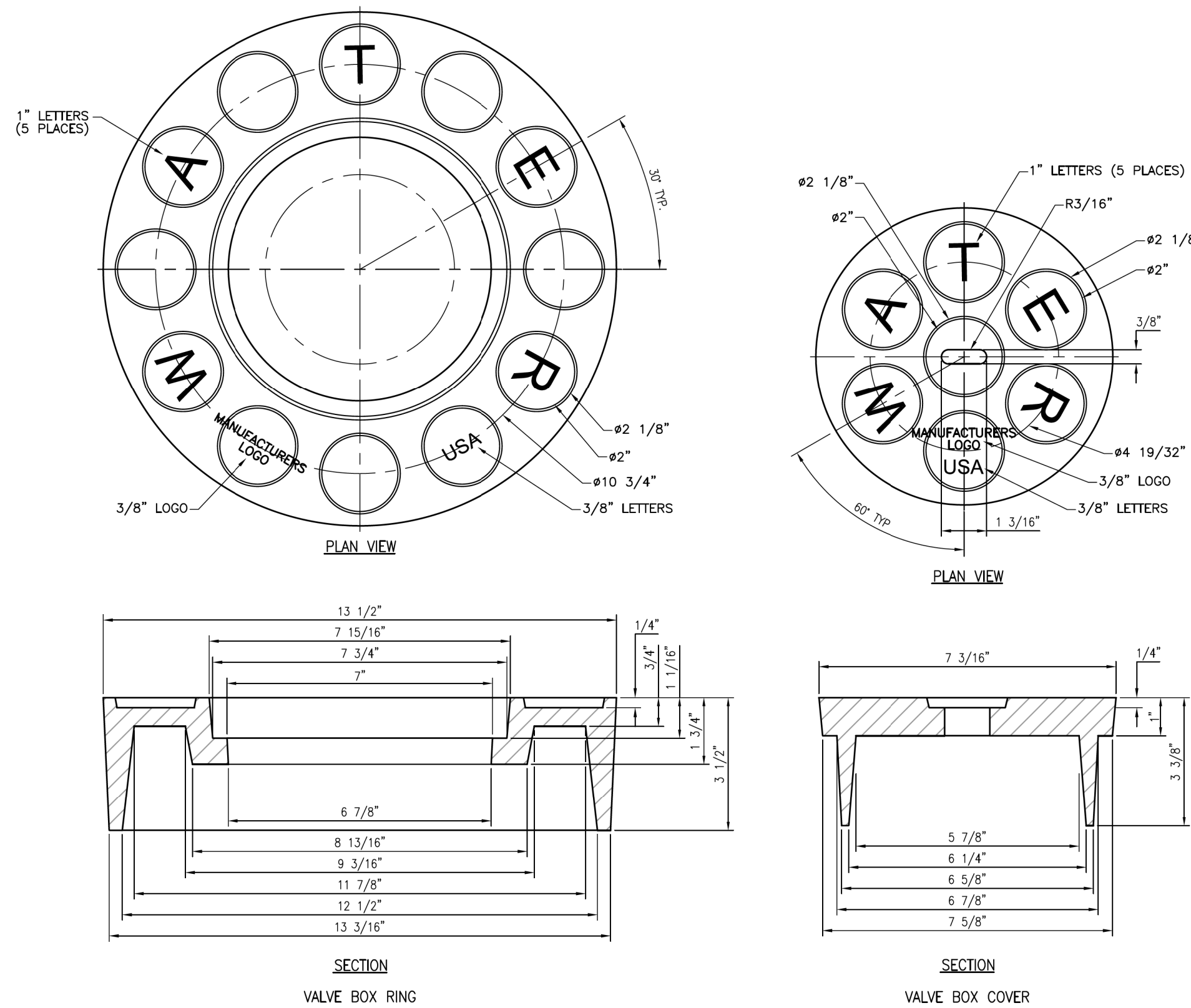
- GENERAL NOTES**
- TRACE WIRE SHALL BE INSTALLED ON TOP OF PIPE AS SHOWN ON SECTION A-A ON STANDARD DRAWING 2303.
 - TRACE WIRE SHALL BE FASTENED TO NON-PEX PIPE WITH TAPE OR PLASTIC TIES AT 6' INTERVALS.
 - ATTACH TRACE WIRE TO PEX SERVICE LINES WITH PLASTIC (ZIP) TIES. DO NOT USE ADHESIVE TAPE ON PEX SERVICE LINES.
 - TEST STATIONS SHALL BE VISIBLE FROM ROAD.
 - TEST STATION CAP AND TRACE WIRE SHALL BE COLOR CODED PURPLE (APWA STANDARD).
- CONSTRUCTION NOTES**
- CONCRETE COLLAR PER STANDARD DRAWING 2461
 - NON-POTABLE WATER MAIN
 - VALVE BOX PER STANDARD DRAWINGS 2326 AND 2330
 - MARKER TAPE
 - TRACE WIRE #12 AWG COPPER CLAD STEEL — PURPLE (SEE SECTION A-A ON STANDARD DRAWING 2303)
 - TRACE WIRE #12 AWG COPPER CLAD STEEL — RED FACTORY CONNECTED TO GROUNDING ANODE
 - TRACE WIRE SHALL BE ROUTED AROUND VALVES ON THE NORTH OR EAST SIDE
 - TEST STATION ACCESS BOX WITH PURPLE COLOR CODED (APWA STANDARD) CAP SHALL BE INSTALLED IN CONCRETE COLLAR, ON NORTH OR EAST SIDE OF VALVE. AVOID CONFLICT WITH REBAR RING IN COLLAR. TEST STATIONS SHALL BE INSTALLED APPROXIMATELY 1000' APART. TEST STATIONS SHALL BE APPROPRIATE FOR CAST IN PLACE CONCRETE APPLICATIONS. MAIN TRACE WIRE AND LEAD GROUND TRACE WIRE FROM THE MAGNESIUM GROUNDING ANODE SHALL BE CONTINUOUS TO THE TERMINALS IN THE TEST STATION. TEST STATIONS SHALL BE FLUSH WITH TOP OF CONCRETE TO PREVENT POOLING OF WATER. (SEE TEST STATION SECTION VIEW, THIS SHEET)
 - DRIVE-IN MAGNESIUM GROUNDING ANODE. INSTALL WITH MINIMUM 1 FT HORIZONTAL SEPARATION FROM TEST STATION ACCESS BOX. INSTALL AT DEPTH OF MAIN TRACE WIRE. (SEE ANODE DETAIL, STANDARD DRAWING 2303)
 - TAPE OR PLASTIC TIE (SEE GENERAL NOTES)
 - TEE CONNECTION, 3-WAY LOCKING WATERPROOF CONNECTOR. DO NOT CUT MAIN LINE TRACE WIRE. (SEE TEE CONNECTION DETAIL, STANDARD DRAWING 2303)
 - FOR TAPPING PERMITS — IF TRACE WIRE EXISTS ON MAIN LINE, INSTALL TRACE WIRE ON NON-POTABLE WATER LATERAL AND CONNECT TO MAIN LINE TRACE WIRE WITH 3-WAY LOCKING WATERPROOF CONNECTOR (SEE TEE CONNECTION DETAIL, STANDARD DRAWING 2303)
 - TRACE WIRE WITH MIN. 3" OF SLACK SECURED TO FRONT OF METER SETTER. GROUP AND ZIP-TIE, BUT DO NOT COIL.
 - EDGE OF RIGHT-OF-WAY
 - TERMINAL JUMPER SHALL REMAIN DISCONNECTED UNDER NORMAL OPERATIONS. THE TERMINALS MAY BE USED TO CONNECT TRACE EQUIPMENT FOR TRACE AND FOR GROUND. THE JUMPER SHALL BE CONNECTED AT THE EXTREME ENDS OF THE AREA TO BE TRACED TO PROPERLY GROUND THAT AREA. THE TERMINAL JUMPER SHALL BE DISCONNECTED WHEN TRACE IS COMPLETED.

REVISIONS	WATER AUTHORITY
SEP. 2017	NON-POTABLE WATER LATERAL AND VALVE TRACE WIRE DETAILS DWG. 2325 AUG. 2019



- GENERAL NOTES**
- LABEL REQUIREMENTS: BEFORE THE WORK WILL BE ACCEPTED, WATER VALVE GPS COORDINATES SHALL BE PROVIDED ON THE RECORD DRAWINGS. GPS COORDINATES OBTAINED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF NEW MEXICO SHALL BE TAKEN AT THE VALVE OPERATING NUT. USE THE NAD 1983 NM STATE PLANE CENTRAL ZONE FOR X AND Y COORDINATES AND NAD 1983 FOR Z COORDINATE.
- CONSTRUCTION NOTES**
- RING AND COVER FOR VALVE BOX PER STANDARD DRAWING 2326. INSTALL FIRE LINE RING AND COVER ON FIRE LINES PER STANDARD DRAWING 2329, AND NON-POTABLE RING AND COVER ON NON-POTABLE LINES PER DRAWING 2330.
 - 12" DIAMETER POLYMER COATED STEEL PIPE CAP
 - NEW OR EXISTING VALVE
 - COMPACTED BACKFILL, SOIL OR BASE COURSE MATERIAL (95% COMPACTION). SEE SECTION 701
 - CONCRETE COLLAR PER STANDARD DRAWING 2461, f'c = 4000 psi
 - TOP OF CONCRETE COLLAR SHALL BE STAMPED WITH WATERLINE SIZE AND DIRECTION. MINIMUM LETTER SIZE SHALL BE 3" IN HEIGHT. ADD THE LETTERS "NPW" FOR NON-POTABLE WATER VALVE INSTALLATIONS.
 - ELECTRONIC MARKER DEVICE (EMD), SEE STANDARD SPECIFICATION SECTION 170.
 - #4 REBAR PER STANDARD DRAWING 2461.

REVISIONS	WATER AUTHORITY
JAN. 2015	WATER VALVE BOX DWG. 2326 OCT. 2017



- GENERAL NOTES — RING**
- ALBUQUERQUE VALVE BOX RING DESIGNED TO ACCEPT AN ALBUQUERQUE VALVE BOX COVER.
 - THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.
 - FILLETS SHALL BE 1/4" UNLESS OTHERWISE SPECIFIED.
 - A DRAFT ANGLE OF 3°-5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.
 - FINISH: REMOVE EXCESS IRON AND FIN.
 - THIS DETAIL DOES NOT APPLY FOR VALVE BOX RING AND COVER TO BE USED ON REUSE OR NON-POTABLE WATER SYSTEMS.
 - SEE STANDARD DRAWING 2329 FOR FIRE LINE RING AND COVER.
 - ONLY PRODUCTS CAST IN THE USA WILL BE ACCEPTABLE.

- GENERAL NOTES — COVER**
- ALBUQUERQUE VALVE BOX COVER DESIGNED TO FIT INTO AN ALBUQUERQUE VALVE BOX RING.
 - THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.
 - FILLETS SHALL BE 1/4" UNLESS OTHERWISE SPECIFIED.
 - A DRAFT ANGLE OF 3°-5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.
 - FINISH: REMOVE EXCESS IRON AND FIN.
 - ONLY PRODUCTS CAST IN THE USA WILL BE ACCEPTABLE.

REVISIONS	WATER AUTHORITY
	WATER RING AND COVER FOR VALVE BOX DWG. 2328 JAN. 2013

**THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"**

Approved by Albuquerque
City Engineer and Design
Review Committee, Feb. 10, 2022
CPN 771863

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	SUBMITTED BY:	AS BUILT INFORMATION
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				ATTENTION	DRAWN BY: C LAMB DATE: 12/17/21		CONSTRUCTION BEGIN DATE --
				0 1/2" 1"	CHECKED BY: E FORD DATE: 12/17/21		INSPECTOR'S ACCEPTANCE BY -- DATE --
				GRAPHIC SCALE	CROSS CHK'D BY: W CHRISTOFFERSON DATE: 12/17/21		INSPECTOR'S NAME --
				THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: J PETERSON DATE: 12/17/21		SUBSTANTIAL COMPLETION DATE --
					MAPS/RECORDS INFO.		DRAWINGS CORRECTED BY -- DATE --

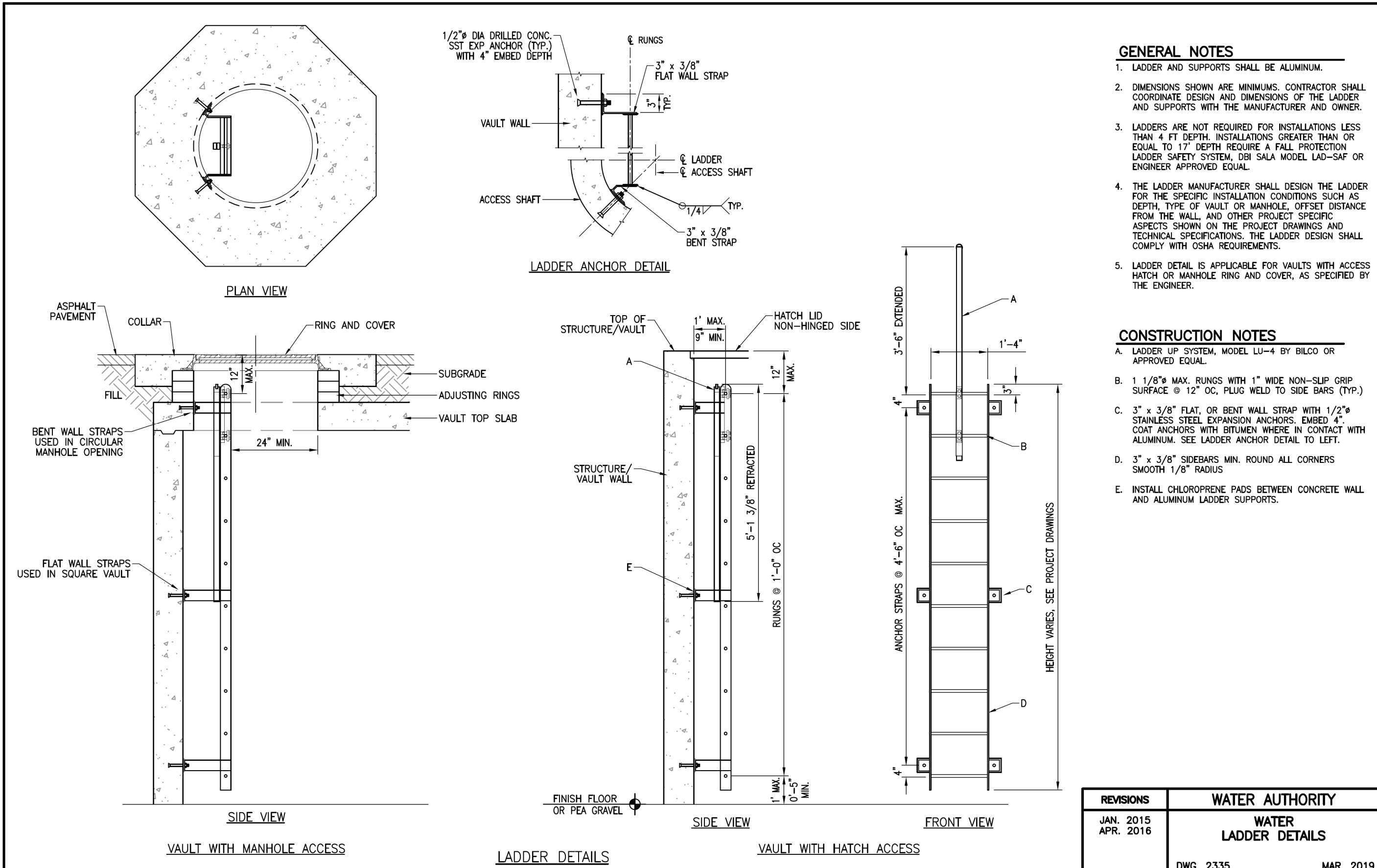
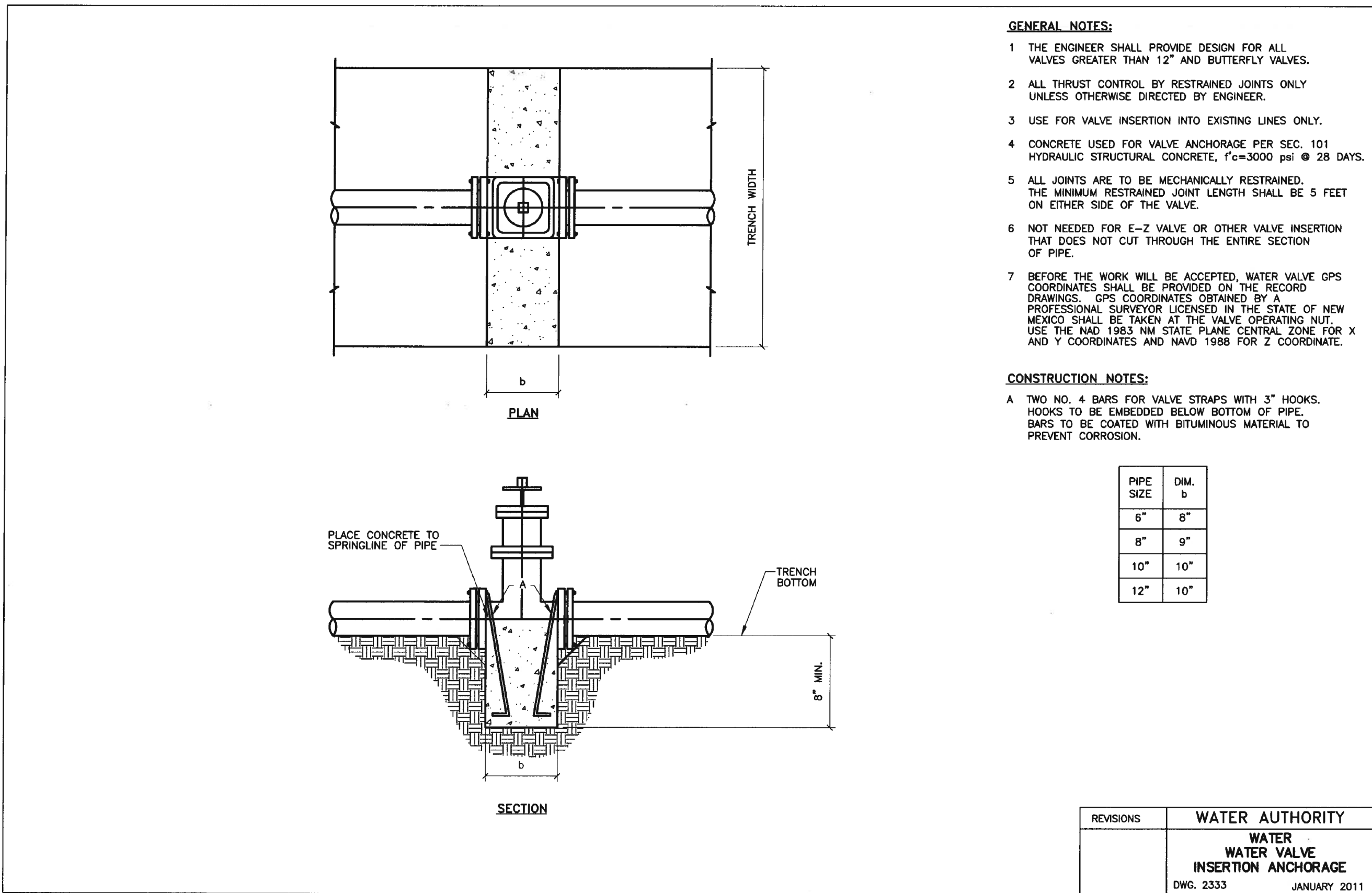
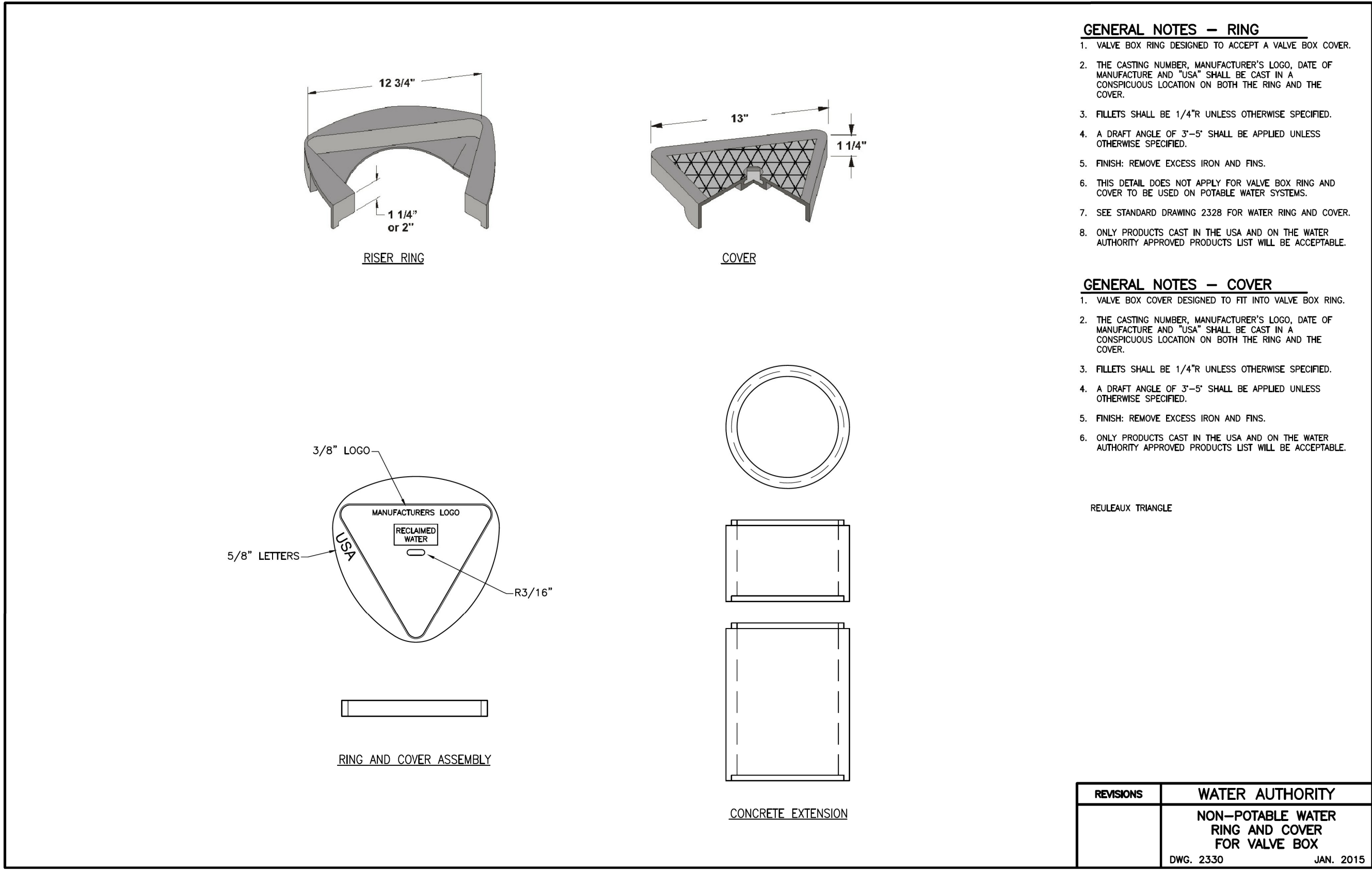
Jacobs

3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600




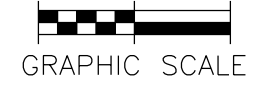
ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY	
TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 WESTSIDE BLVD	
STANDARD DETAILS	
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.030XX	ZONE MAP NO.
SHEET DT-02	

DT-2.dgn

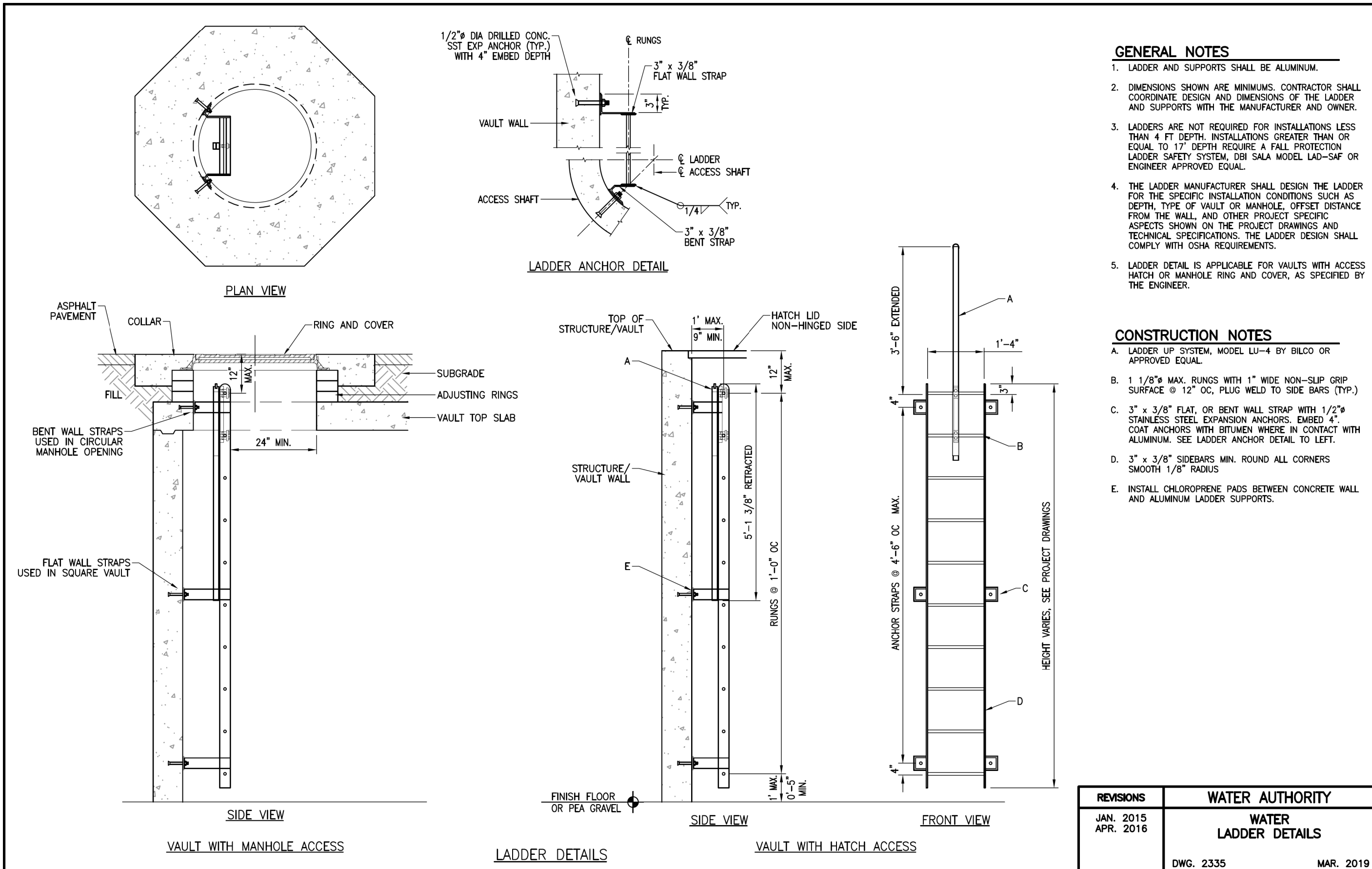
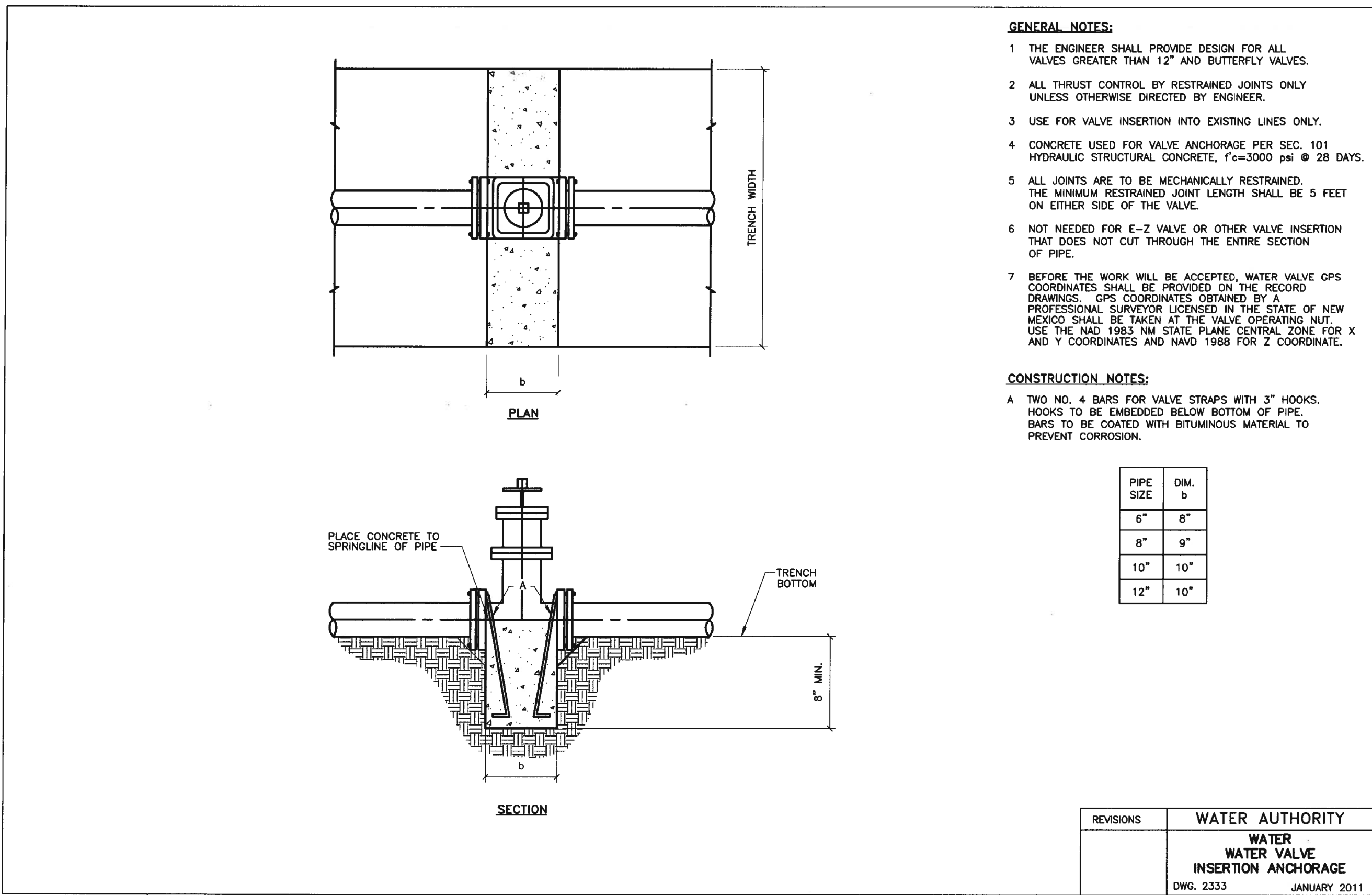
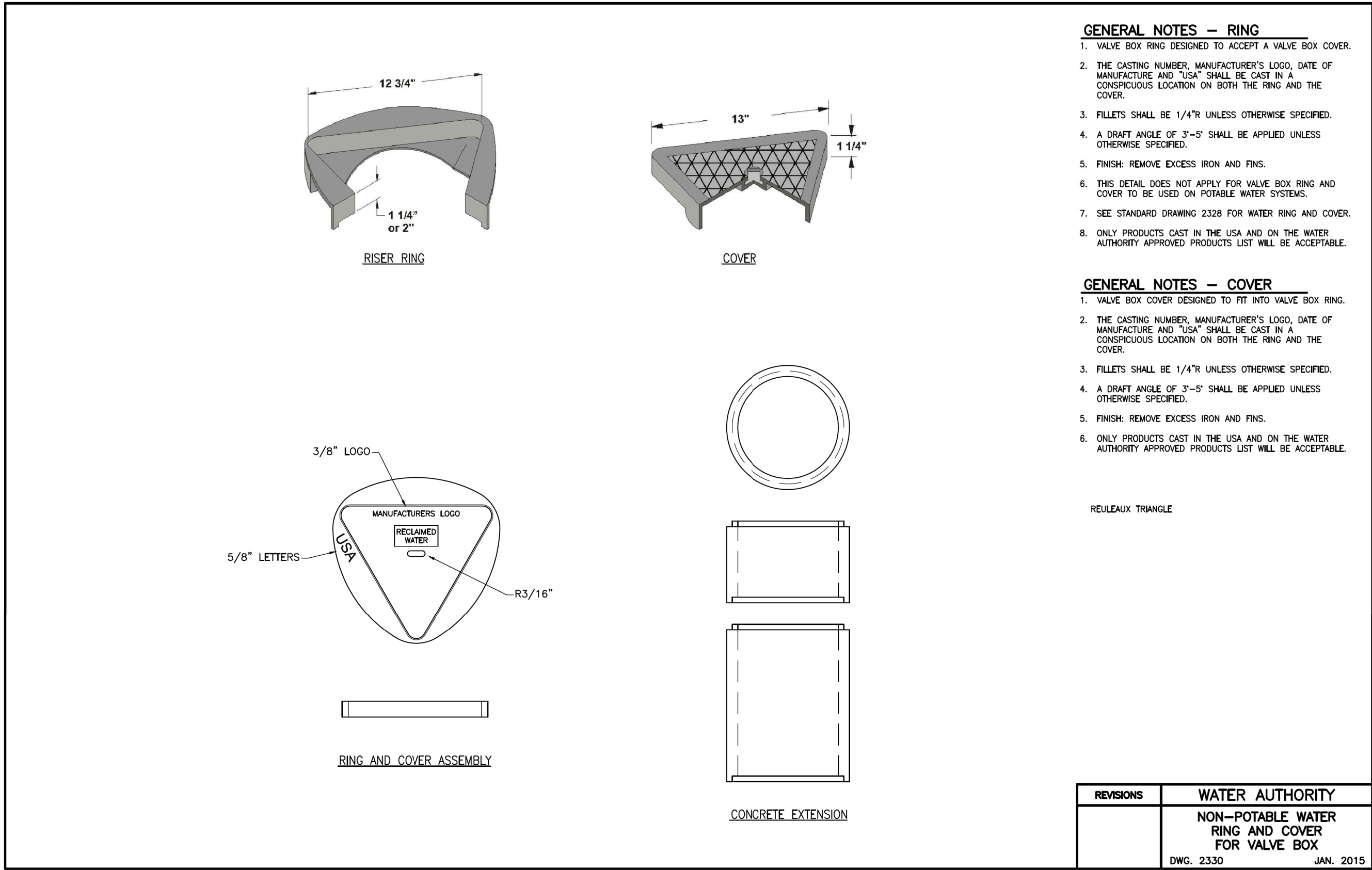


CPN 771863

REDRAWN FOR RECORD PURPOSES

RECORD DRAWINGS		SCALE:		DESIGN TRACKING		SUBMITTED BY:		AS BUILT INFORMATION			ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY				
THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.		1"=		DESIGNED BY:	M COUTURE	DATE:	12/2021	CONTRACTOR	AUI, INC		TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 WESTSIDE BLVD STANDARD DETAILS WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.03001 ZONE MAP NO. A-12 & A-13 SHEET DT-03				
		ATTENTION		DRAWN BY:	C LAMB	DATE:	12/2021	CONSTRUCTION BEGIN DATE	3/01/2022						
		0 1/2" 1"		CHECKED BY:	E FORD	DATE:	12/2021	INSPECTOR'S ACCEPTANCE BY	JACOBS					DATE	5/31/2022
				CROSS CHK'D BY:	W CHRISTOFFERSON	DATE:	12/2021	INSPECTOR'S NAME	L KOIKE/V TORRES						
		THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)		APPROVED BY:	J PETERSON	DATE:	12/2021	SUBSTANTIAL COMPLETION DATE	5/31/2022					DRAWINGS CORRECTED BY	JACOBS
				MAPS/RECORDS INFO.								DT-3.dgn			
												14 OF 14			

DT-3.dgn



THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"

Approved by Albuquerque
City Engineer and Design
Review Committee, Feb. 10, 2022
CPN 771863

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					MAPS/RECORDS INFO.


Jacobs

3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

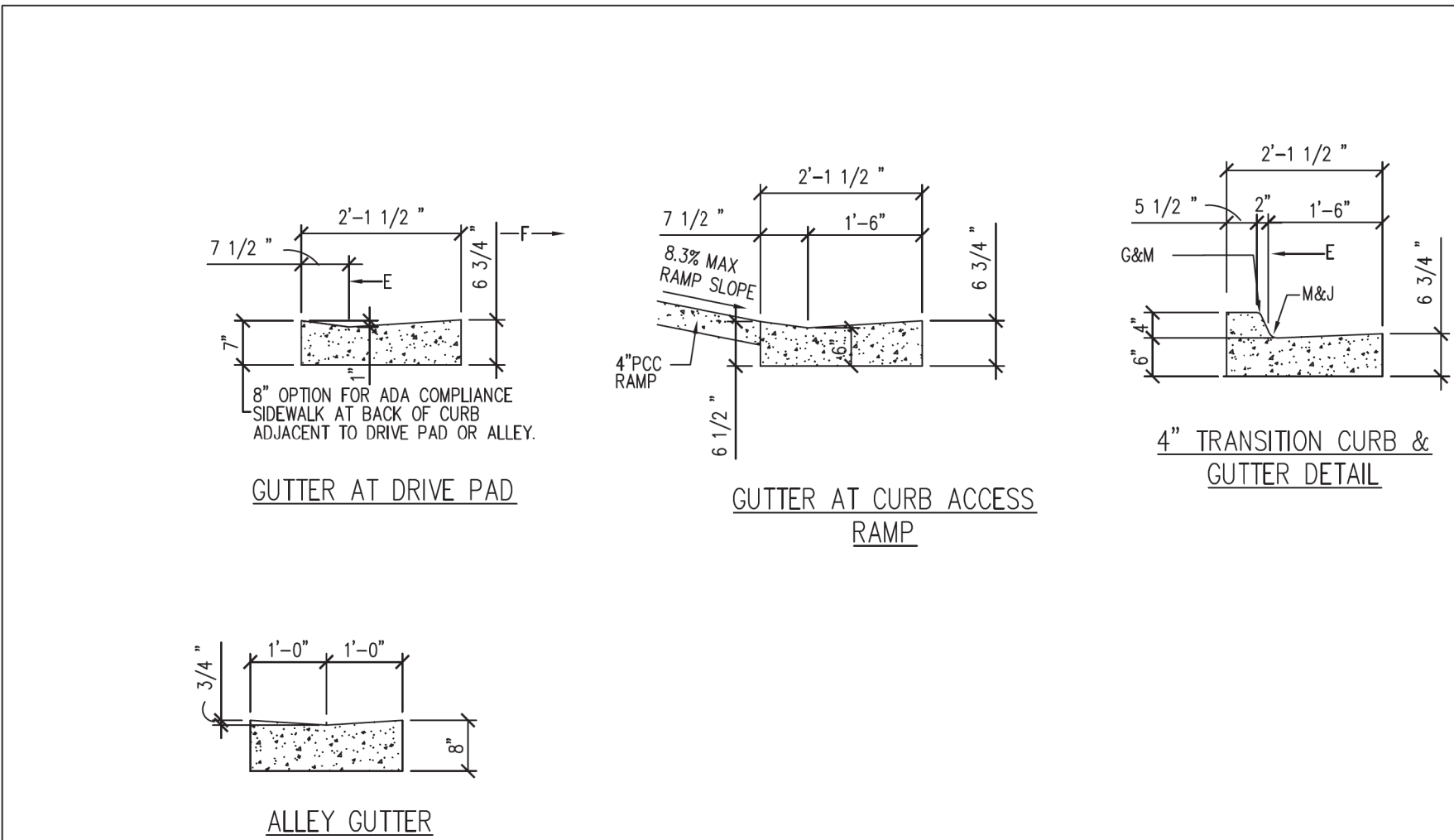
SUBMITTED BY:

AS BUILT INFORMATION
CONTRACTOR --
CONSTRUCTION BEGIN DATE --
INSPECTOR'S ACCEPTANCE BY -- DATE --
INSPECTOR'S NAME --
SUBSTANTIAL COMPLETION DATE --
DRAWINGS CORRECTED BY -- DATE --



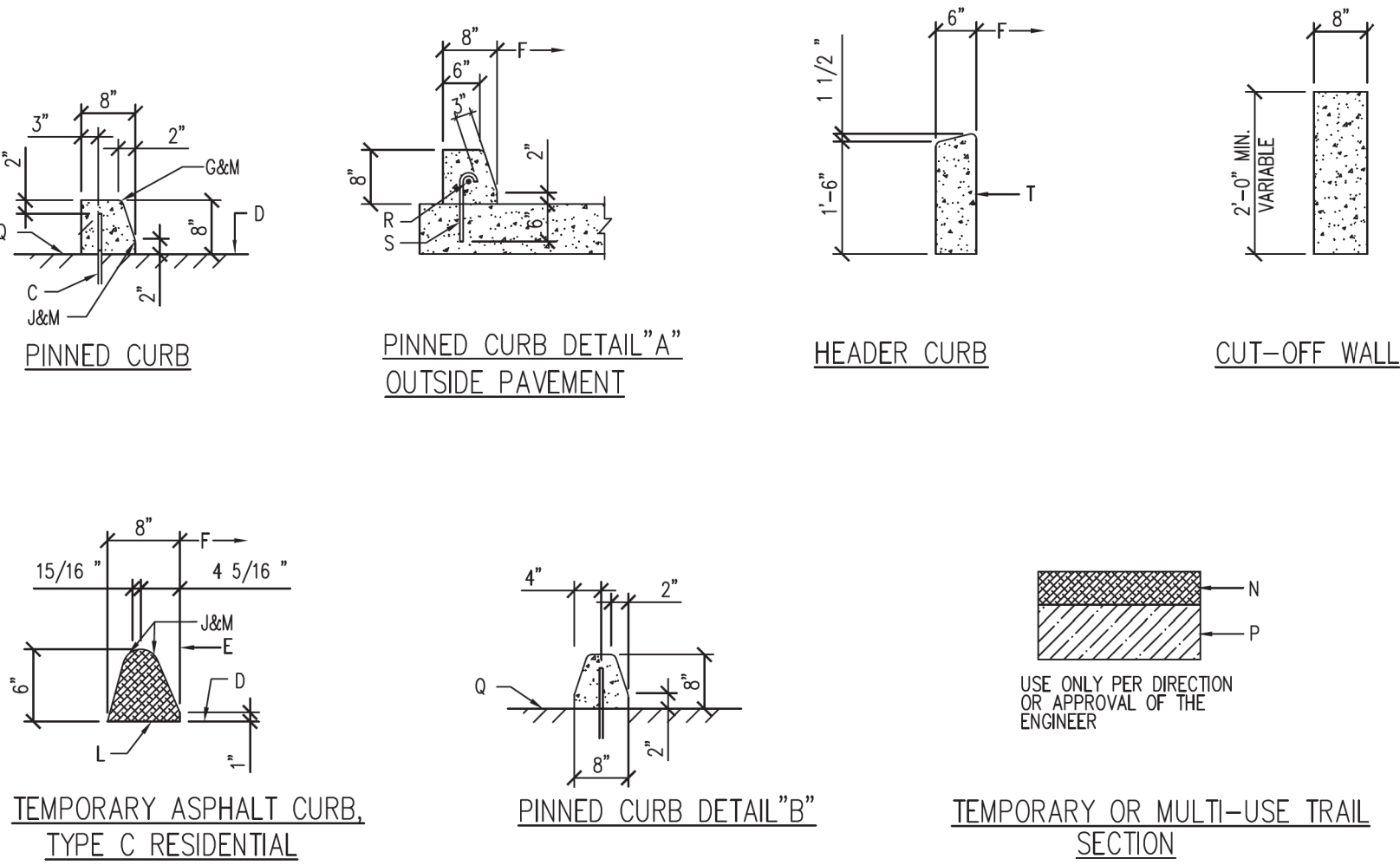
 ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY			
TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO. 1 WESTSIDE BLVD			
STANDARD DETAILS			
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.030XX		ZONE MAP NO.	SHEET DT-03

DT-3.dgn



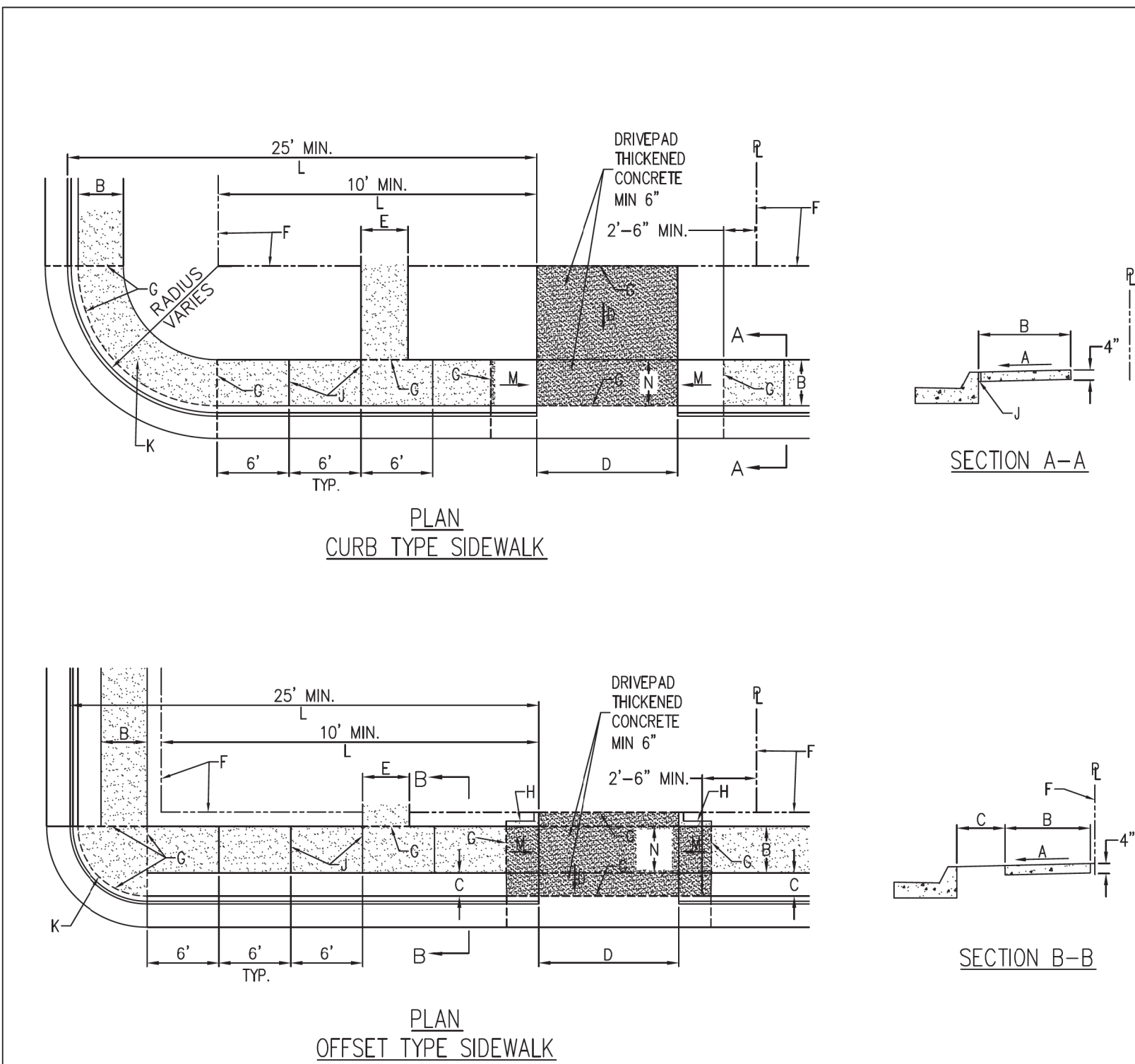
- GENERAL NOTES**
SEE COA DRAWING 2415A
- CONSTRUCTION NOTES**
- A. REQ. CONC. CHANNEL LINING, OR CUT-OFF WALL, PROVIDE 1/4" EXP JOINT BETWEEN BACK OF CURB & CHANNEL LINING AND/OR WALL.
 - B. VARIABLE, DEPRESS AS NEEDED.
 - C. DRIVE NO. 4 PINS 18" DEEP IN HOLES DRILLED @ 2' O.C. IN EXISTING PAVEMENT, SEAL WITH EPOXY.
 - D. EXISTING ASPHALT CONCRETE (AC) OR PORTLAND CEMENT CONCRETE (PCC) PAVEMENT.
 - E. FACE OF CURB/FLOW LINE.
 - F. TRAFFIC SIDE.
 - G. 3/4" RADIUS.
 - H. 1-1/2" RADIUS.
 - J. 2" RADIUS.
 - K. 24" RADIUS.
 - L. TACK COAT.
 - M. DIMENSIONS AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
 - N. NOT USED.
 - P. 8" SCARIFIED AND COMPACTED SUBGRADE. 95% MINIMUM COMPACTION PER SECTION 301.
 - Q. AC PAVEMENT.
 - R. #4 CONT. BETWEEN JOINTS 3" COVER AT JOINTS.
 - S. #3 PINS @ 3'-0" O.C. W/STD. HOOK.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING
	CURB AND GUTTER DETAILS
	DWG. 2415B JANUARY 2019



- GENERAL NOTES**
SEE COA DRAWING 2415A
- CONSTRUCTION NOTES**
- A. REQ. CONC. CHANNEL LINING, OR CUT-OFF WALL, PROVIDE 1/4" EXP JOINT BETWEEN BACK OF CURB & CHANNEL LINING AND/OR WALL.
 - B. VARIABLE, DEPRESS AS NEEDED.
 - C. DRIVE NO. 4 PINS 18" DEEP IN HOLES DRILLED @ 2' O.C. IN EXISTING PAVEMENT, SEAL WITH EPOXY.
 - D. EXISTING ASPHALT CONCRETE (AC) OR PORTLAND CEMENT CONCRETE (PCC) PAVEMENT.
 - E. FACE OF CURB.
 - F. TRAFFIC SIDE.
 - G. 3/4" RADIUS.
 - H. 1-1/2" RADIUS.
 - J. 2" RADIUS.
 - K. 24" RADIUS.
 - L. TACK COAT.
 - M. DIMENSIONS AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
 - N. 4" AC: MAJOR LOCAL OR LARGER (SP-III)
3" AC: LOCAL RESIDENTIAL STREET (TYPE C)
2" AC: BICYCLE PATH (TYPE C, RESIDENTIAL OR SP-IV)
 - P. 8" SCARIFIED AND COMPACTED SUBGRADE. 95% MINIMUM COMPACTION PER SECTION 301.
 - Q. AC PAVEMENT.
 - R. #4 CONT. BETWEEN JOINTS 3" COVER AT JOINTS.
 - S. #3 PINS @ 3'-0" O.C. W/STD. HOOK.
 - T. MAY BE POURED MONOLITHICALLY WITH THE CURB.

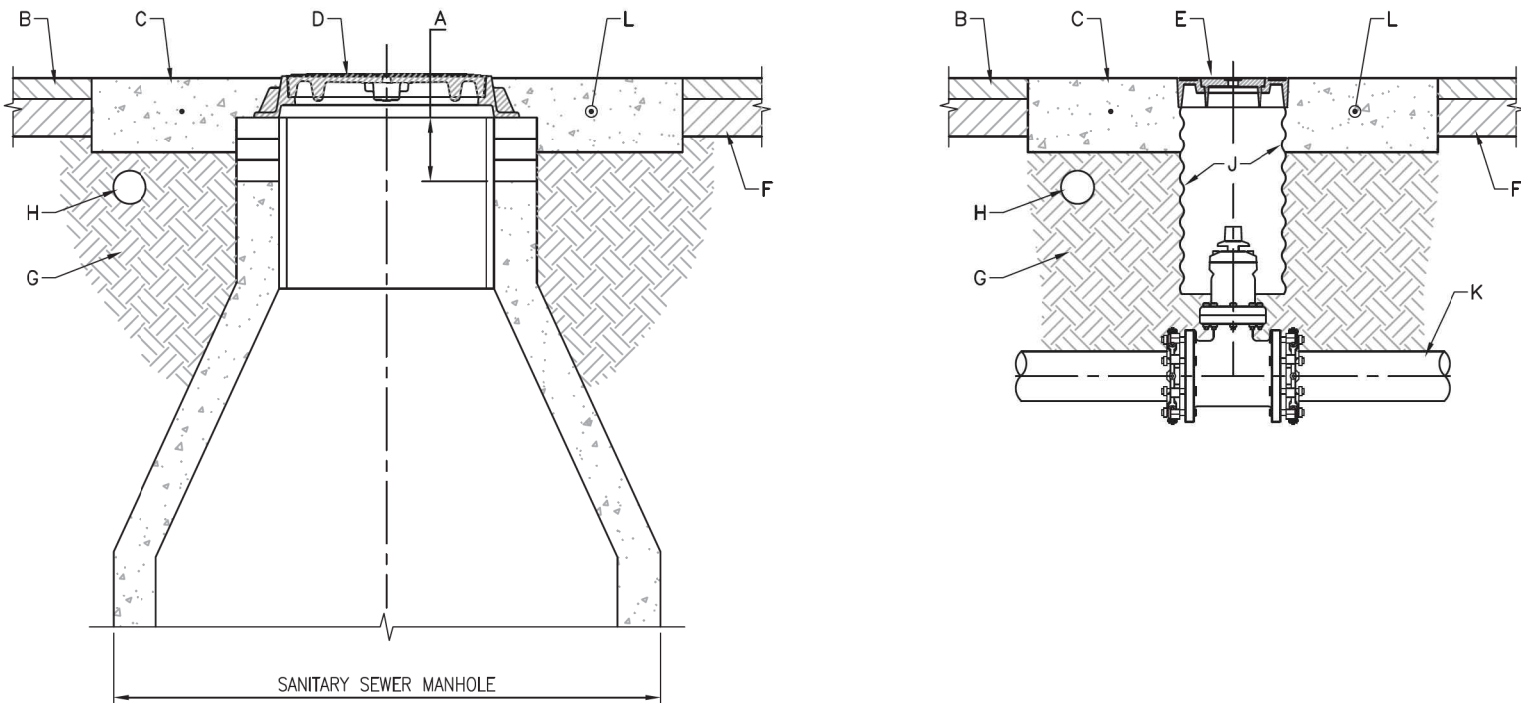
REVISIONS	CITY OF ALBUQUERQUE
	PAVING
	CURB AND GUTTER AND TEMPORARY PAVING SECTIONS
	DWG. 2415C JUNE 2019



- GENERAL NOTES**
- 1. DEVIATIONS FROM THESE STANDARDS SHALL BE SUBMITTED TO THE CITY ENGINEER AND/OR CITY TRAFFIC ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
 - 2. SUBGRADE UNDER SIDEWALKS AND DRIVEPADS SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 301.
 - 3. FOR SIDEWALKS LESS THAN 60" WIDE ON ACCESSIBLE ROUTE, PASSING SPACE AT LEAST 60" X 60" SHALL BE PROVIDED AT LEAST EVERY 200 FT.
 - 4. GRATINGS LOCATED IN WALKING SURFACE SHALL HAVE SPACES NO GREATER THAN 1/2" WIDE IN DIRECTION OF TRAVEL. IF OPENINGS ARE ELONGATED, LONG DIMENSION SHALL BE PLACED PERPENDICULAR TO DIRECTION OF TRAVEL.
 - 5. ALONG THE ACCESSIBLE ROUTE, CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 2H:1V. CHANGES IN LEVEL GREATER THAN 1/2" REQUIRE A RAMP.
 - 6. PROVIDE A MINIMUM SIDEWALK WIDTH OF 4' AROUND OBSTACLES FOR ADA ACCESS.
 - 7. SEE COA STD DWG. 2425A AND 2425B FOR DRIVEPAD DETAILS.

- CONSTRUCTION NOTES**
- A. SLOPE 2% MAX. 1.5% PREFERRED SLOPE.
 - B. 5' MIN. SIDEWALK WIDTH. SIDEWALK WIDTH SHALL BE IN ACCORDANCE WITH CHAPTER 23 OF DEVELOPMENT PROCESS MANUAL.
 - C. SETBACK TO BE DETERMINED BY AVAILABLE RIGHT-OF-WAY. SEE CHAPTER 7 OF DEVELOPMENT PROCESS MANUAL ALSO SEE COA STD. DWG. 2414 FOR LANDSCAPE BUFFER.
 - D. SEE DRIVEPAD DETAILS, DWG. 2425A AND 2425B.
 - E. WALKWAY VARIABLE (4' MINIMUM).
 - F. PROPERTY LINE.
 - G. 1/2" EXPANSION JOINTS WHERE SIDEWALK OR DRIVEPAD ABUTS BUILDINGS, FENCES, WALLS OR OTHER IMMOVABLE OBJECTS.
 - H. HEADER CURB OR INTEGRAL CURB AS REQUIRED TO MEET GRADE AT BACK OF SIDEWALK. SEE STD. DWG. 2415.
 - J. CONTRACTION JOINTS.
 - K. FOR CURB ACCESS RAMPS, SEE DWGS. 2440 THROUGH 2445.
 - L. CHECK DIMENSION FROM BOTH PROPERTY LINE AND FLOW LINE. USE IN AREAS WHERE DRIVEPAD IS FARTHEST FROM INTERSECTION.
 - M. RAMP AS REQUIRED TO MEET DRIVEPAD GRADE. 8.3% MAX. SLOPE, 7% PREFERRED SLOPE.
 - N. ADA ACCESSIBLE PATHWAY. 2% MAX. CROSS-SLOPE. 1.5% PREFERABLE CROSS-SLOPE.

REVISIONS	CITY OF ALBUQUERQUE
	PAVING
	SIDEWALK DETAILS
	DWG. 2430 JUNE 2019



**THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"**

- GENERAL NOTES**
- 1. GRADE ADJUSTMENTS OF MANHOLE FRAME AND COVER SHALL BE MADE BY ADDING BRICK COURSES OR STEEL/CONCRETE ADJUSTMENT RINGS DIRECTLY UNDER THE FRAME. THE ADJUSTMENT MAY BE MADE IN THIS FASHION TO A MAXIMUM HEIGHT OF 24" FOR THE ADJUSTMENT BRICKS/RINGS. IF ADJUSTMENTS REQUIRE GREATER THAN A 24" ADJUSTMENT, THE CONE SHALL BE REMOVED, THE BARREL HEIGHT ADJUSTED AND CONE REPLACED. IF LESS THAN ONE COURSE OF BRICKS (6") IS REQUIRED, GROUT MAY BE USED. THE USE OF CONCRETE AND STEEL ADJUSTMENT RINGS IS PREFERRED.
 - 2. ALL MATERIALS MUST COMPLY WITH THE CURRENT WATER AUTHORITY OR CITY APPROVED PRODUCTS LISTS.
 - 3. NEW RINGS AND COVERS, REMOVAL AND REPLACEMENT OF CONCRETE COLLARS, INSTALLATION OF EMO'S AND THE INSTALLATION OF NEW POLYMER COATED CORRUGATED METAL PIPE FOR VALVE CANS SHALL BE CONSIDERED INCIDENTAL TO THE ADJUSTMENT PAY ITEM.
 - 4. NEW RINGS AND COVERS WILL BE REQUIRED IF CURRENT RINGS AND COVERS DO NOT MEET CURRENT STANDARD SPECIFICATIONS.
 - 5. INSTALLATION MUST COMPLY WITH THE FOLLOWING STANDARD DRAWINGS:
 - 5.1. 2109 - SANITARY SEWER MANHOLE COVERS
 - 5.2. 2210 - STORM MANHOLE COVERS
 - 5.3. 2128 - VACUUM SEWER VALVE RINGS AND COVERS
 - 5.4. 2310 - WATER MANHOLE COVERS
 - 5.5. 2328 - WATER VALVE AND HYDRANT RINGS AND COVERS
 - 5.6. 2329 - FIRE LINE RINGS AND COVERS
 - 6. TO ENSURE THE SPECIFIED QUALITY OF CASTINGS WILL BE GUARANTEED, ONLY CASTINGS MANUFACTURED IN THE UNITED STATES OF AMERICA WILL BE ACCEPTABLE.
 - 7. EMO PLACEMENT MUST COMPLY WITH THE FOLLOWING:
 - 7.1. SANITARY SEWER MANHOLES - EMO SHALL BE PLACED 1 FOOT UPSTREAM OF THE MANHOLE OVER THE MANH.
 - 7.2. WATER VALVE AND SANITARY SEWER VALVE CANS - EMO SHALL BE PLACED 1 FOOT NORTH OR WEST (DEPENDING ON LINE DIRECTION) OF THE VALVE OVER THE WATER MAIN OR VACUUM SEWER MAIN.
 - 7.3. STORM DRAIN MANHOLES - EMO'S ARE NOT REQUIRED AND SHALL NOT BE PLACED AT STORM DRAIN MANHOLES.

- CONSTRUCTION NOTES**
- A. BRICKS OR ADJUSTMENT RINGS, 24" MAXIMUM
 - B. OVERLAY
 - C. NEW PORTLAND CEMENT CONCRETE COLLAR (f'c= 4000 PSI) PER STANDARD DRAWING 2461. ALL ADJUSTMENTS SHALL BE INSTALLED WITH A NEW CONCRETE COLLAR. THE OLD COLLARS) SHALL BE REMOVED AND DISPOSED OF PROPERLY. REFER TO STANDARD DRAWINGS 2101, 2102, 2181, 2326, AND 2461 FOR PROPER LINE IDENTIFICATION ON THE COLLAR.
 - D. MANHOLE FRAME AND COVER PER STANDARD DRAWINGS 2109, 2210 AND 2310
 - E. RING AND COVER FOR VALVE BOX. REFER TO STANDARD DRAWINGS 2128, 2328 AND 2329.
 - F. EXISTING PAVING SECTION
 - G. SUBGRADE SHALL BE COMPACTED TO 95% (ASTM)
 - H. ELECTRONIC MARKER DEVICE (EMO). SEE STANDARD SPECIFICATION SECTION 170. EMO'S ARE REQUIRED ON ALL WATER AND SANITARY SEWER ADJUSTMENT. THEY ARE NOT TO BE INSTALLED ON STORM DRAIN MANHOLES.
 - J. POLYMER COATED STEEL PIPE CMP
 - K. WATER OR SEWER LINE
 - L. #4 REBAR PER STANDARD DWG. 2461

REVISIONS	CITY OF ALBUQUERQUE
	PAVING
	MANHOLE AND VALVE BOX
	REGRADING
	DWG. 2460 JANUARY 2019

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
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				ATTENTION	DRAWN BY: C LAMB DATE: 12/17/21
				0 1/2" 1"	CHECKED BY: E FORD DATE: 12/17/21
				GRAPHIC SCALE	CROSS CHK'D BY: W CHRISTOFFERSON DATE: 12/17/21
				THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: J PETERSON DATE: 12/17/21
					MAPS/RECORDS INFO.

Jacobs

3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

SUBMITTED BY:

AS BUILT INFORMATION

CONTRACTOR	--
CONSTRUCTION BEGIN DATE	--
INSPECTOR'S ACCEPTANCE BY	DATE --
INSPECTOR'S NAME	--
SUBSTANTIAL COMPLETION DATE	--
DRAWINGS CORRECTED BY	DATE --



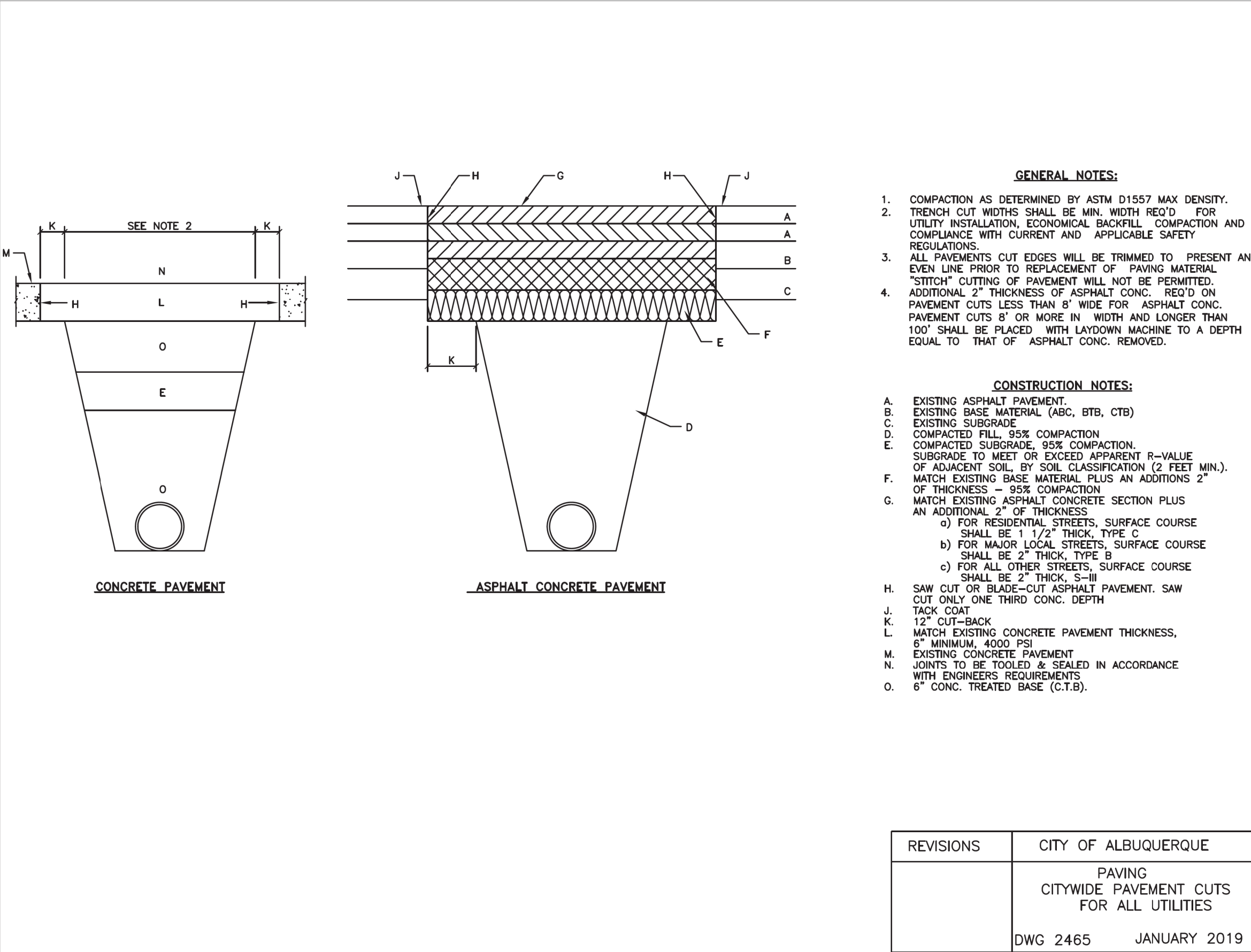
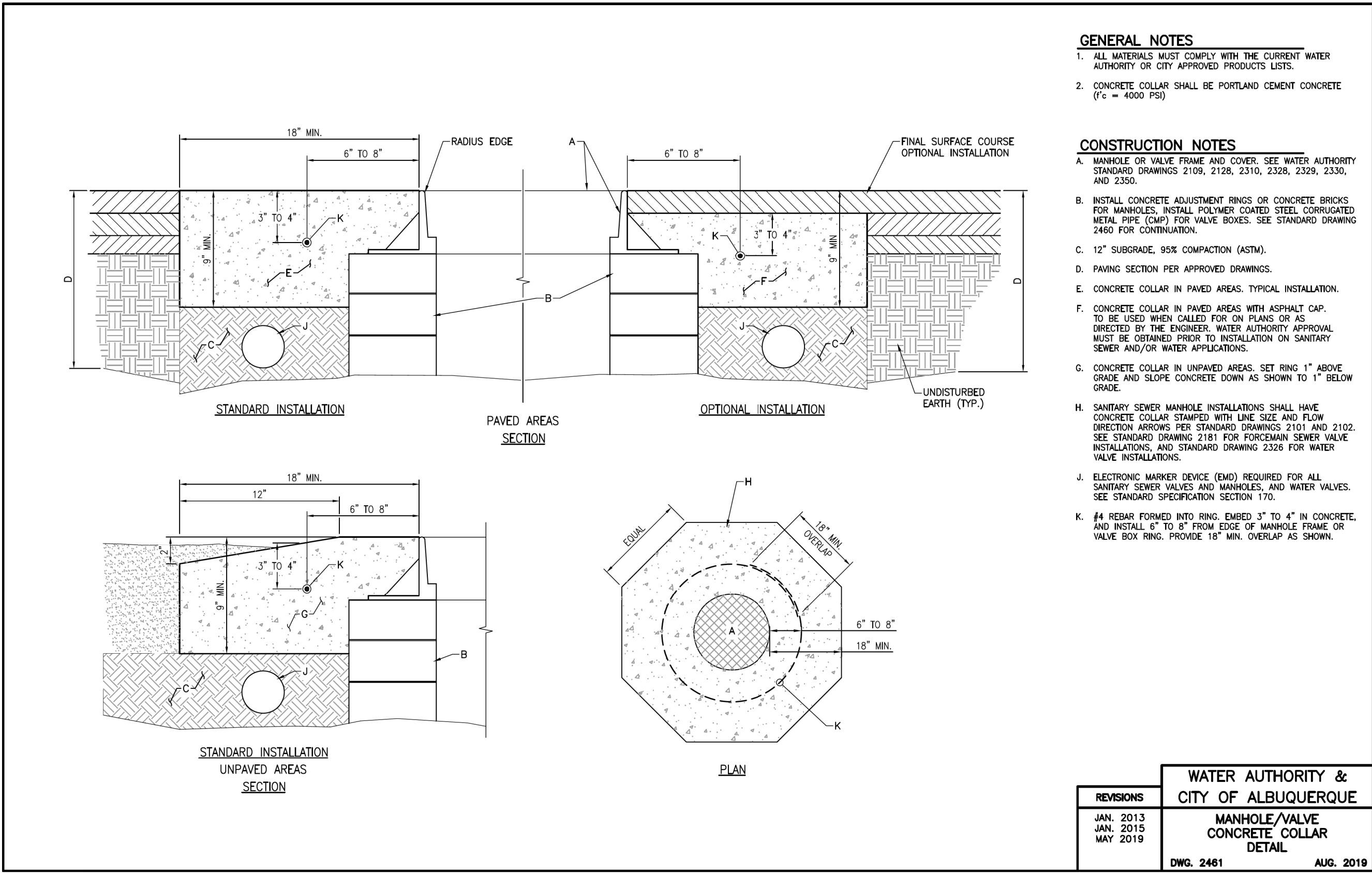
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BID PACKAGE 1 WESTSIDE BLVD





STANDARD DETAILS

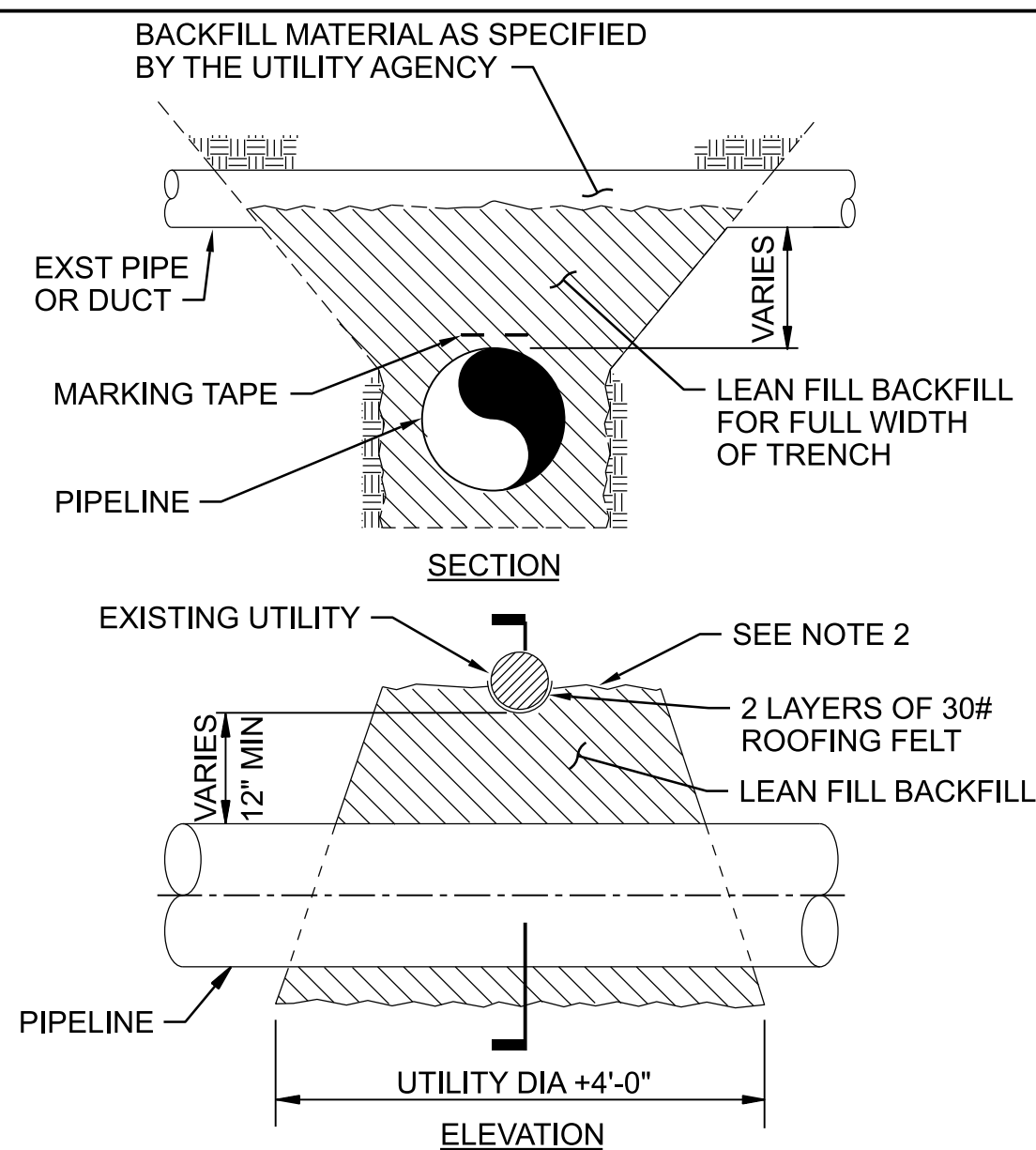
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CPN 771863



NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING			SUBMITTED BY:	AS BUILT INFORMATION				 ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY				
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				ATTENTION	DRAWN BY: C LAMB	DATE: 12/17/21		CONSTRUCTION BEGIN DATE --									
				0 1/2" 1"	CHECKED BY: E FORD	DATE: 12/17/21		INSPECTOR'S ACCEPTANCE BY -- DATE --									
					CROSS CHK'D BY: W CHRISTOFFERSON	DATE: 12/17/21		INSPECTOR'S NAME --									
				GRAPHIC SCALE	APPROVED BY: J PETERSON	DATE: 12/17/21		SUBSTANTIAL COMPLETION DATE --									
				THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	MAPS/RECORDS INFO.			DRAWINGS CORRECTED BY -- DATE --			TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE 1 WESTSIDE BLVD STANDARD DETAILS						
					- - -			WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.030XX						ZONE MAP NO.	SHEET DT-05		
												DT-5.dgn			16 OF 16		

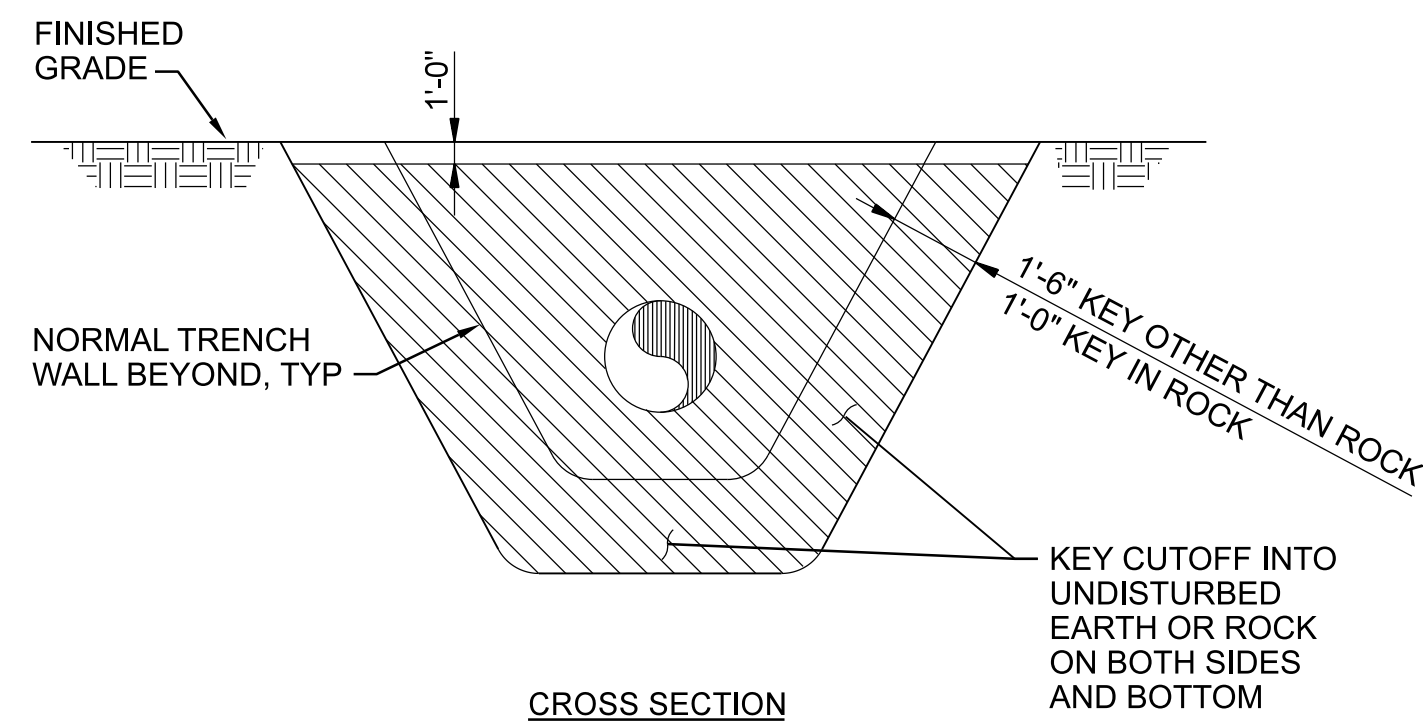


- NOTES:

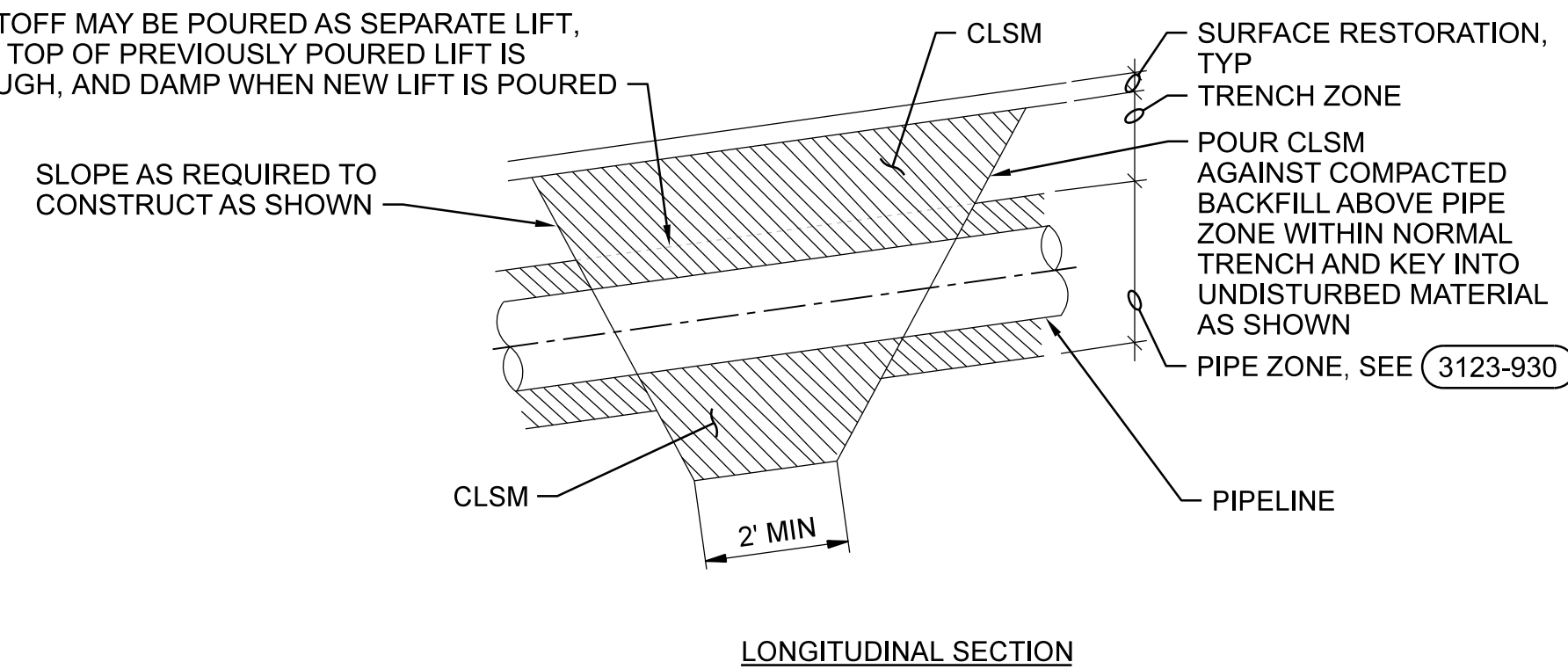
1. SUPPORT EXISTING PIPE OR DUCT DURING INSTALLATION OF NEW PIPE.
2. INSTALL LEAN FILL BACKFILL TO CENTERLINE OF EXISTING PIPE OR DUCT.
3. UNDERGROUND UTILITY SUPPORT AS INDICATED IS TO BE PROVIDED AT UTILITY CROSSINGS 10" DIAMETER OR LARGER.
4. MEET OR EXCEED UTILITY AGENCY REQUIREMENTS FOR BACKFILL.
5. REMOVE AND REPLACE UTILITY MARKING TAPE, INCLUDE JOINING CLIPS, AS SPECIFIED BY UTILITY AGENCY.

MAJOR UTILITY CROSSING

3123-762



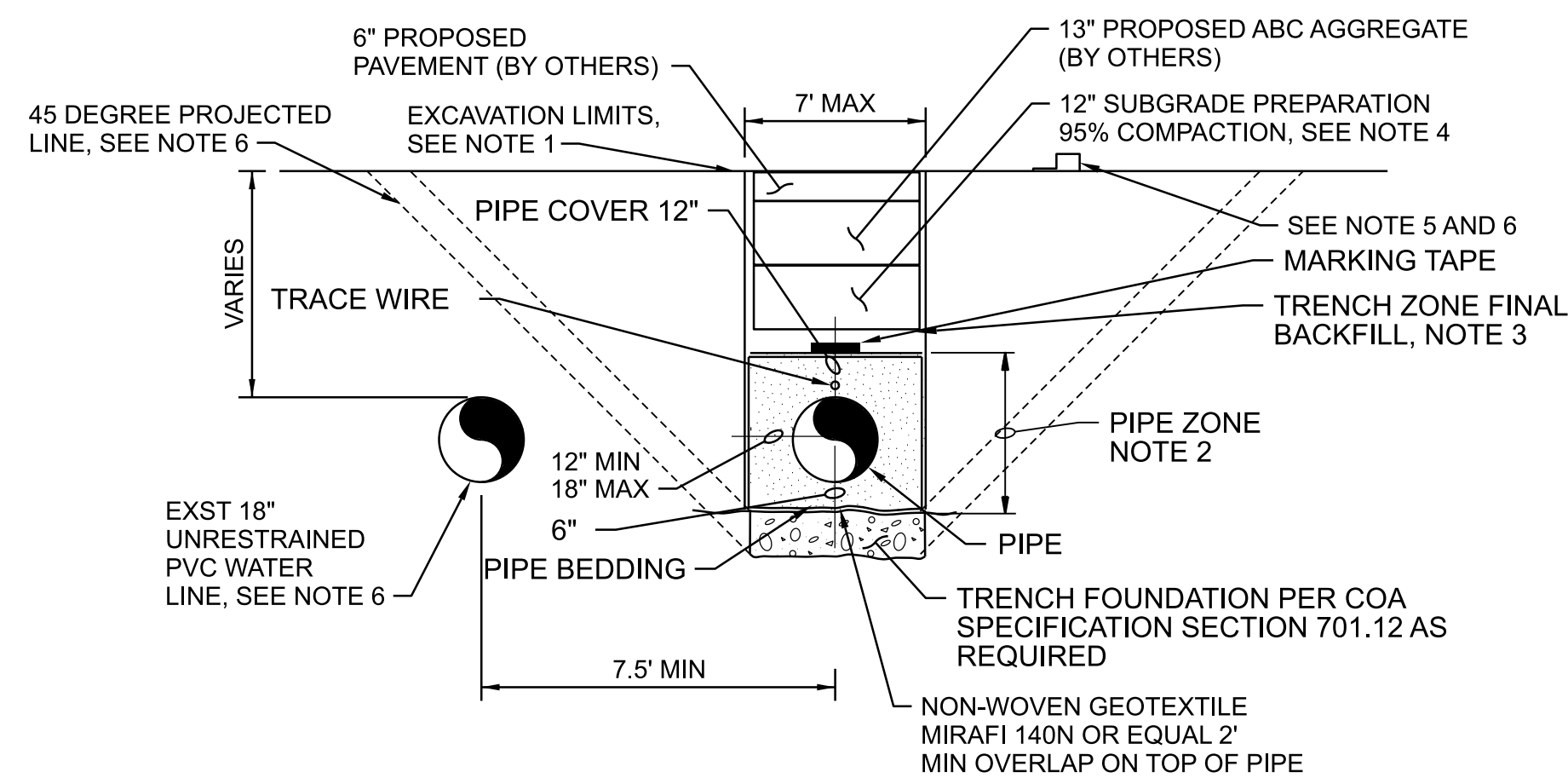
TOP OF CUTOFF MAY BE POURED AS SEPARATE LIFT,
PROVIDING TOP OF PREVIOUSLY POURED LIFT IS
CLEAN, ROUGH, AND DAMP WHEN NEW LIFT IS POURED



TRENCH PLUG

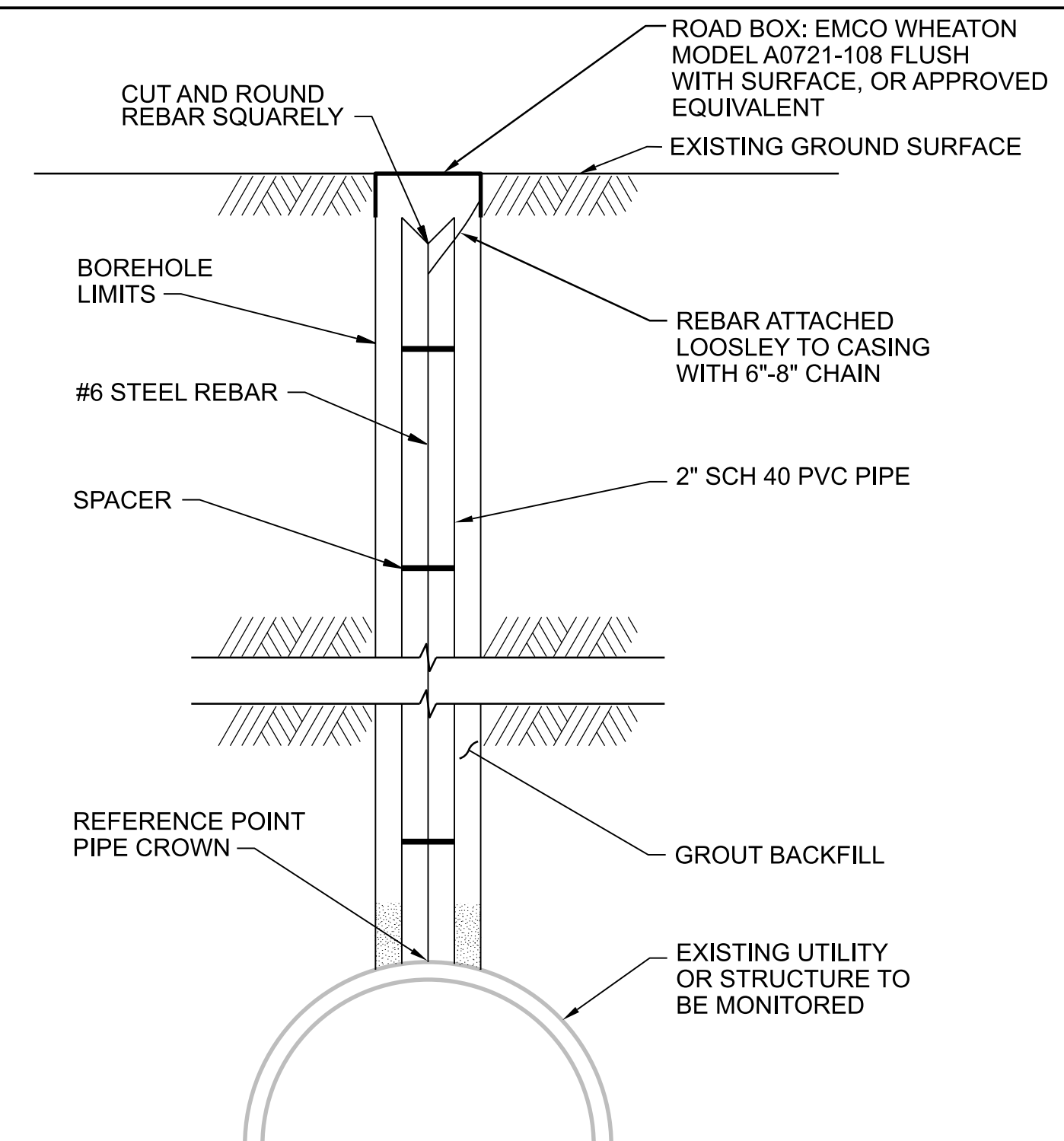
3123-900

REDRAWN FOR RECORD PURPOSES



- NOTES:

1. SEE SPECIFICATION 31 41 00, SHORING TEMPORARY EARTH RETENTION SYSTEM. DUE TO THE LIMITED AVAILABLE WORKING AREA, THE CONTRACTOR SHALL ASSUME VERTICAL TO NEAR-VERTICAL TRENCHES WILL BE REQUIRED ALONG THE ENTIRE ALIGNMENT. TEMPORARY WORKS TO ALLOW SAFE CONSTRUCTION, SUCH AS SHORING, ARE NOT SHOWN AND ARE CONSIDERED CONTRACTOR'S MEANS AND METHODS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL TEMPORARY WORKS, INCLUDING SHORING, TO COMPLY WITH OSHA REQUIREMENTS, TO ADDRESS FIELD CONDITIONS AND TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR WORKER SAFETY.
 2. PIPE ZONE MATERIAL AND BEDDING WITH SUITABLE NATIVE MATERIAL PER COA SPEC SECTION 701.13 AND COMPACTED TO 95% OF MODIFIED PROCTOR PER ASTM D-1557. CONTRACTOR TO DISPOSE OF UNSUITABLE NATIVE MATERIAL AND REPLACE WITH CLASS C MATERIAL FOR BEDDING AND WITH CLASS II OR III FOR PIPE ZONE AS REQUIRED.
 3. BACKFILL TRENCH ZONE TO ELEVATION BELOW SUBGRADE WITH SUITABLE NATIVE FILL MATERIAL COMPACTED TO 95% OF MODIFIED PROCTOR PER ASTM D-1557 AND PER COA SPEC SECTION 701.14.
 4. PREPARE SUBGRADE WITH SUITABLE NATIVE FILL MATERIAL COMPACTED TO 95% PER STANDARD SPECIFICATION 301.
 5. EXST CURB AND GUTTER TO PROTECT IN PLACE UNLESS OTHERWISE INDICATED ON DRAWINGS.
 6. EXISTING UTILITIES THAT FALL WITHIN A 45 DEGREE LINE PROJECTED UPWARD FROM ANY POINT OF THE TRENCH EXCAVATION SHALL BE MONITORED USING GEOTECHNICAL INSTRUMENTATION CONSISTING OF EITHER UTILITY MONITORING POINTS AND /OR INCLINOMETERS AS SHOWN IN DETAIL (3180-900). INSTRUMENTATION SHALL BE SPACED AT AN INTERVAL OF 250-FEET OR LESS
- WHEN HORIZONTAL SEPARATION IS LESS THAN 10 FEET FROM THE OUTSIDE OF PROPOSED RAW WATER LINE EXCAVATION.



- NOTES:

1. SUBMIT GEOTECHNICAL MONITORING PLAN PER SPECIFICATION SECTION 31 41 00.

CPN 771863

UTILITY MONITORING POINT

3180-900

RECORD DRAWINGS

THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT THE EXACT LOCATION, TYPE OF CONSTRUCTION OR MANNER OF CONSTRUCTION. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.

SCALE:

1''=

ATTENTION

0 1/2" 1"



THIS BAR MEASURES 1"
AT FULL SCALE (ANSI D)

DESIGN TRACKING

DESIGNED BY:	M COUTURE	DATE:	12/2021
DRAWN BY:	C LAMB	DATE:	12/2021
CHECKED BY:	E FORD	DATE:	12/2021
CROSS CHK'D BY:	W CHRISTOFFERSON	DATE:	12/2021
APPROVED BY:	J PETERSON	DATE:	12/2021

MAPS/RECORDS INFO.

SUBMITTED BY:

Jacobs.

3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

AS BUILT INFORMATION

CONTRACTOR	AUI, INC		
CONSTRUCTION BEGIN DATE	3/01/2022		
INSPECTOR'S ACCEPTANCE BY	JACOBS	DATE	5/31/2022
INSPECTOR'S NAME	L KOIKE/V TORRES		
SUBSTANTIAL COMPLETION DATE	5/31/2022		
DRAWINGS CORRECTED BY	JACOBS	DATE	8/2022

ENGINEER'S SEAL

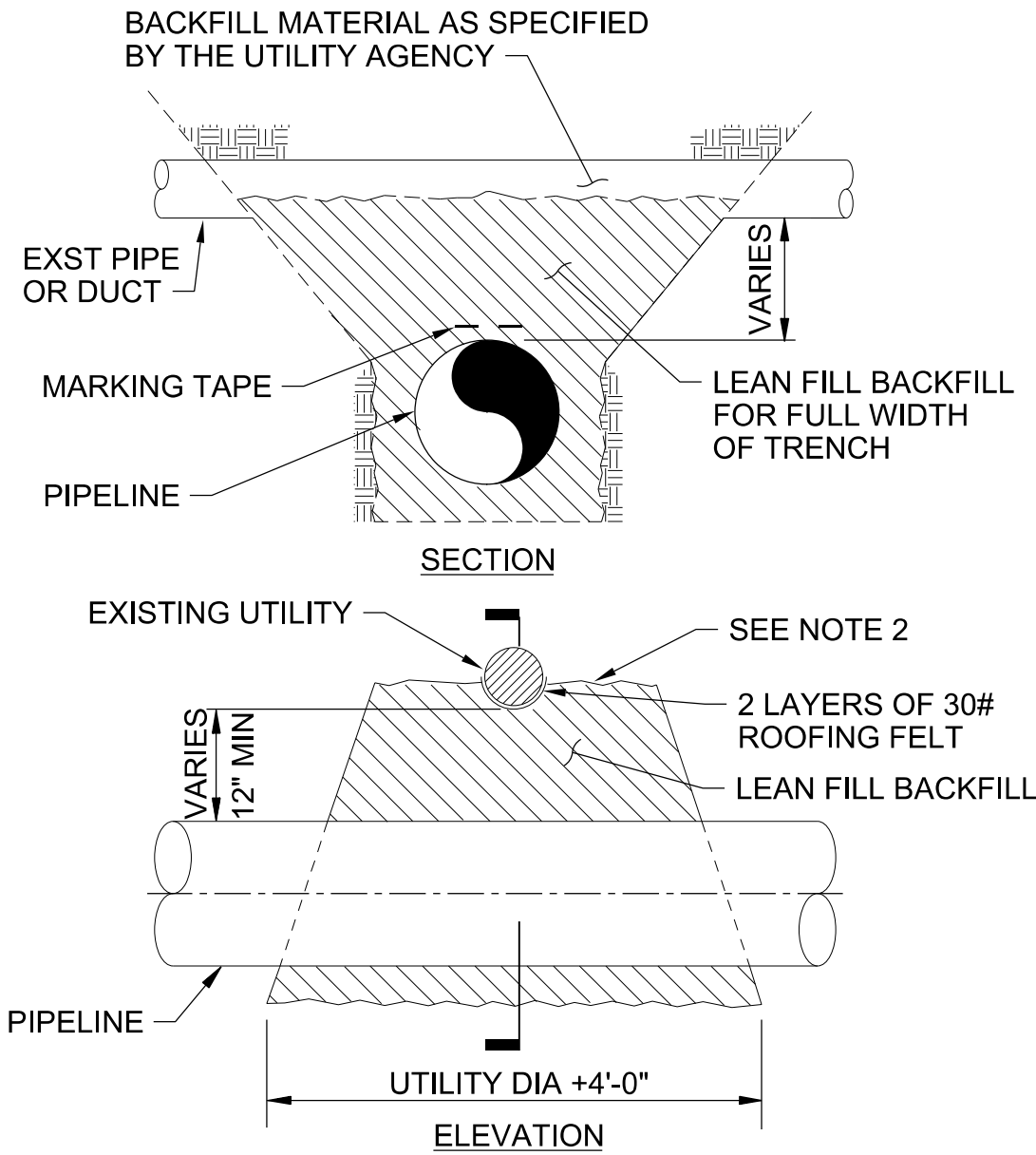
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ELECTRONIC COPY.
ORIGINAL DOCUMENT
WAS ISSUED AND
SEALED ON 12/17/2021.
THE ORIGINAL
DOCUMENT
IS STORED AT THE
OFFICES OF JACOBS
ALBUQUERQUE, NM.

 ALBUQUERQUE BERNALILLO COUNTY
WATER UTILITY AUTHORITY

TITLE:	RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE 1 WESTSIDE BLVD
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STANDARD DETAILS

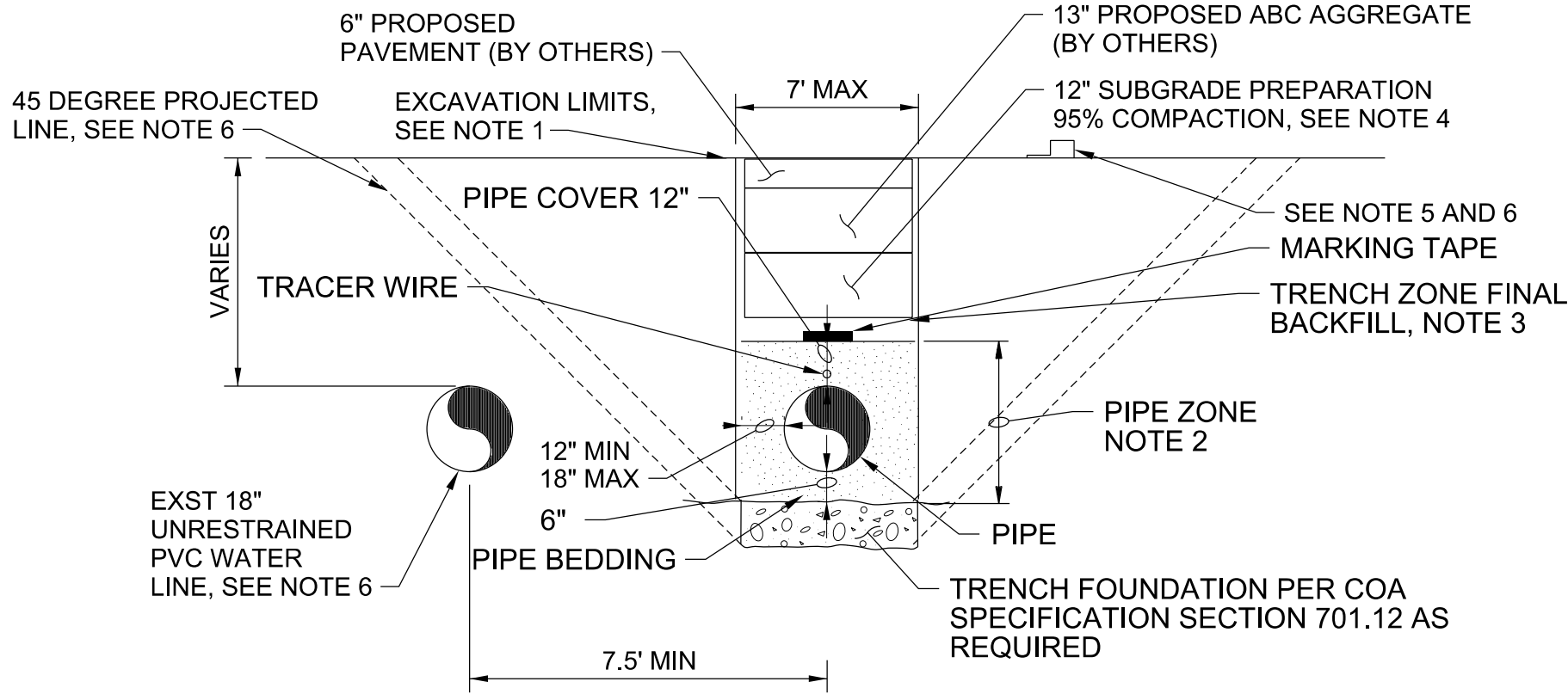
WATER AUTHORITY CONSTRUCTION PROJECT NO.	2320.03001	ZONE MAP NO.	A-12 & A-13	SHEET	DT-06
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- NOTES:
- SUPPORT EXISTING PIPE OR DUCT DURING INSTALLATION OF NEW PIPE.
 - INSTALL LEAN FILL BACKFILL TO CENTERLINE OF EXISTING PIPE OR DUCT.
 - UNDERGROUND UTILITY SUPPORT AS INDICATED IS TO BE PROVIDED AT UTILITY CROSSINGS 10" DIAMETER OR LARGER.
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 - REMOVE AND REPLACE UTILITY MARKING TAPE, INCLUDE JOINING CLIPS, AS SPECIFIED BY UTILITY AGENCY.

MAJOR UTILITY CROSSING

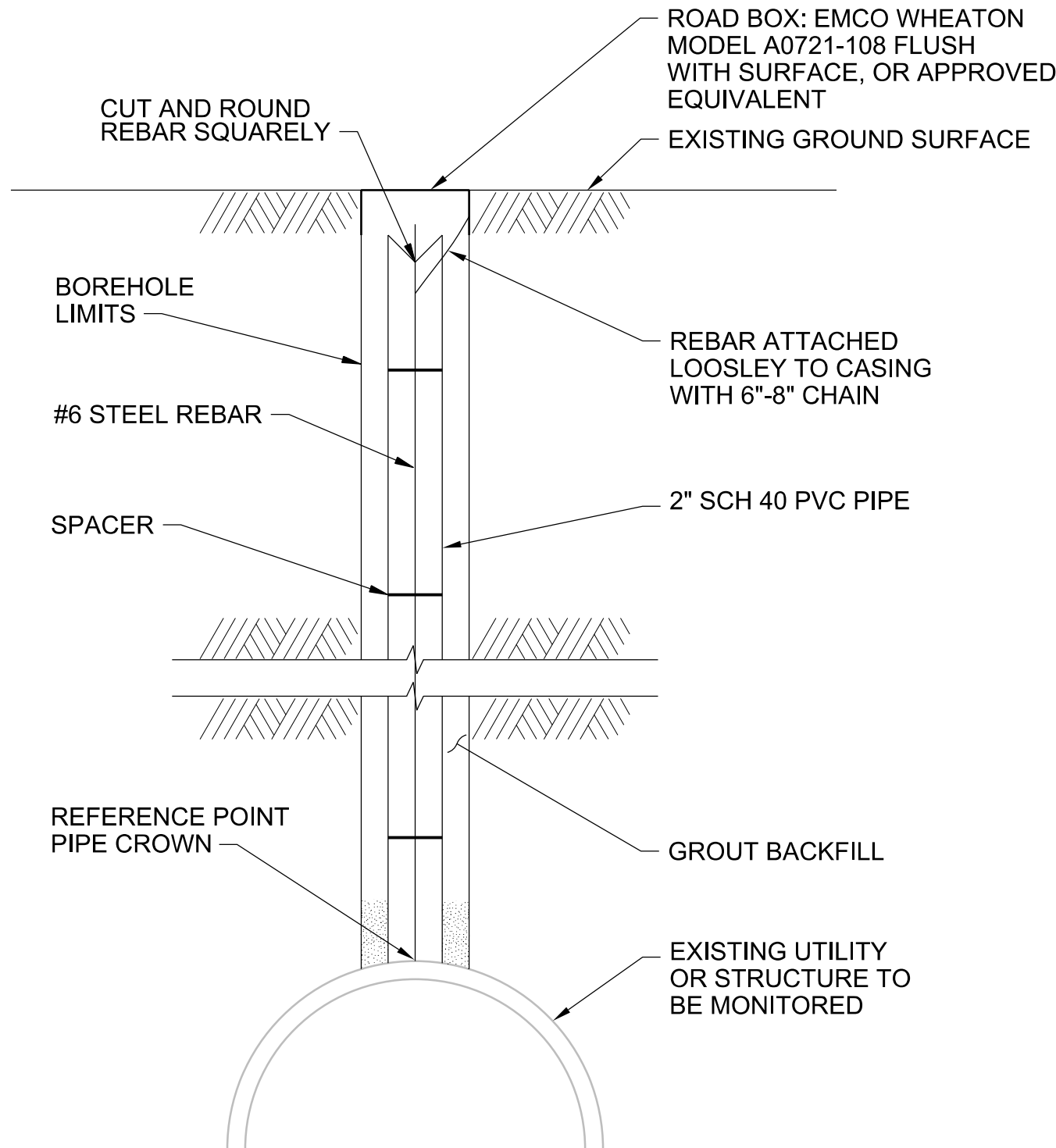
3123-762



TYPICAL PIPE TRENCH
NTS

3123-915

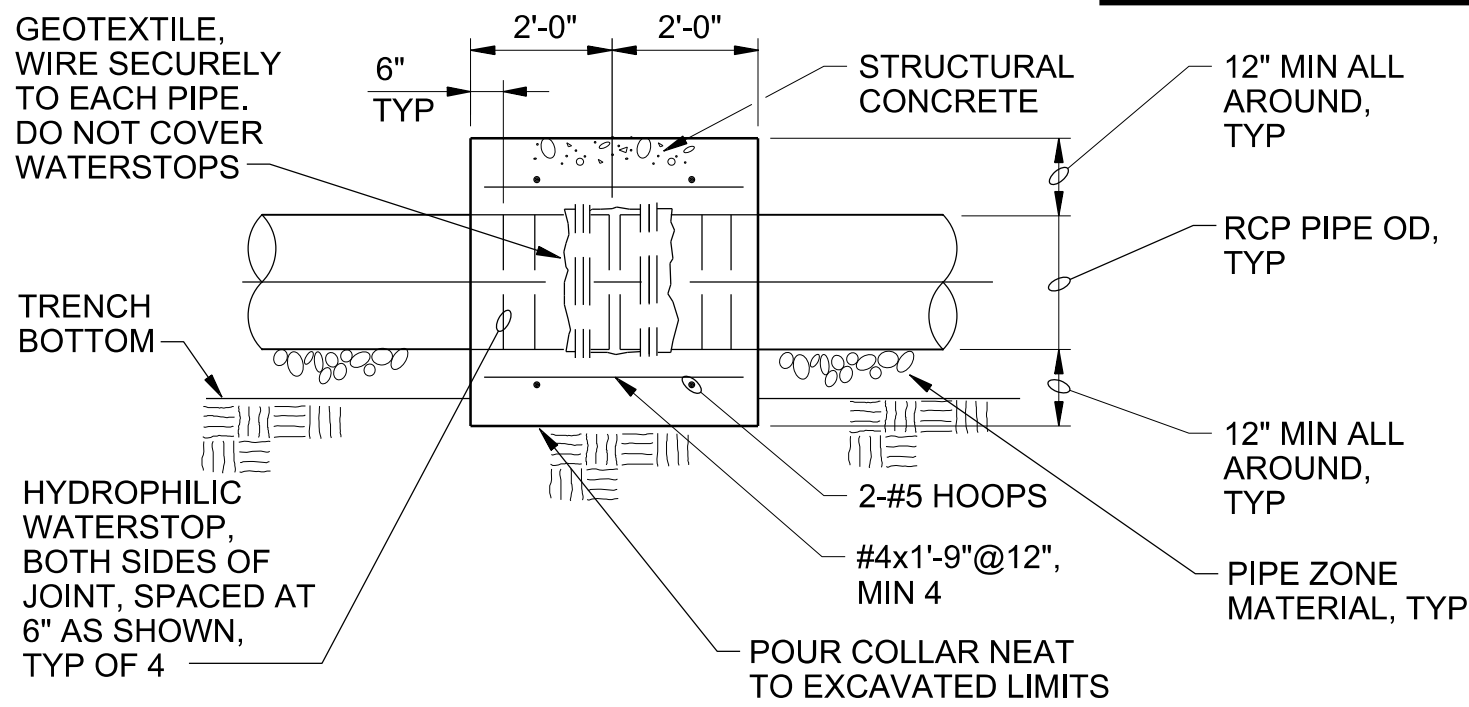
- NOTES:
- SEE SPECIFICATION 31 41 00, SHORING TEMPORARY EARTH RETENTION SYSTEM. DUE TO THE LIMITED AVAILABLE WORKING AREA, THE CONTRACTOR SHALL ASSUME VERTICAL TO NEAR-VERTICAL TRENCHES WILL BE REQUIRED ALONG THE ENTIRE ALIGNMENT. TEMPORARY WORKS TO ALLOW SAFE CONSTRUCTION, SUCH AS SHORING, ARE NOT SHOWN AND ARE CONSIDERED CONTRACTOR'S MEANS AND METHODS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN AND IMPLEMENTATION OF ALL TEMPORARY WORKS, INCLUDING SHORING, TO COMPLY WITH OSHA REQUIREMENTS, TO ADDRESS FIELD CONDITIONS AND TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR WORKER SAFETY.
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 - BACKFILL TRENCH ZONE TO ELEVATION BELOW SUBGRADE WITH SUITABLE NATIVE FILL MATERIAL COMPACTED TO 95% OF MODIFIED PROCTOR PER ASTM D-1557 AND PER COA SPEC SECTION 701.14.
 - PREPARE SUBGRADE WITH SUITABLE NATIVE FILL MATERIAL COMPACTED TO 95% PER STANDARD SPECIFICATION 301.
 - EXST CURB AND GUTTER TO PROTECT IN PLACE UNLESS OTHERWISE INDICATED ON DRAWINGS.
 - EXISTING UTILITIES THAT FALL WITHIN A 45 DEGREE LINE PROJECTED UPWARD FROM ANY POINT OF THE TRENCH EXCAVATION SHALL BE MONITORED USING GEOTECHNICAL INSTRUMENTATION CONSISTING OF EITHER UTILITY MONITORING POINTS AND /OR INCLINOMETERS AS SHOWN IN DETAIL 3180-900. INSTRUMENTATION SHALL BE SPACED AT AN INTERVAL OF 250-FEET OR LESS WHEN HORIZONTAL SEPARATION IS LESS THAN 10 FEET FROM THE OUTSIDE OF PROPOSED RAW WATER LINE EXCAVATION.
 - INSTRUMENTATION SHALL BE MONITORED FOR VERTICAL AND LATERAL DISPLACEMENT AT A MINIMUM OF TWO TIMES A DAY WHILE THE EXCAVATION IS OPEN. MOVEMENT LIMITS SHALL BE LESS THAN 0.5-INCHES IN THE VERTICAL AND HORIZONTAL DIRECTION. CONTACT THE ENGINEER IF LIMITS ARE REACHED TO DISCUSS HOW MOVEMENT WILL BE LIMITED. THE CONTRACTOR SHALL STOP ALL WORK IMMEDIATELY AND NOTIFY THE ENGINEER IF MOVEMENTS CONTINUE AND EXCEED 1.0-INCH.
 - THE CONTRACTOR SHALL SUBMIT THEIR GEOTECHNICAL INSTRUMENTATION MONITORING PLAN ASSOCIATED WITH THE INSTALLATION OF THE PROPOSED RAW WATER LINE TO THE ENGINEER FOR APPROVAL. THE PLAN SHALL INCLUDE AT A MINIMUM; THE LOCATION AND TYPE OF INSTRUMENTATION PROPOSED, AND THE STEPS THAT SHALL BE USED FOR MONITORING EACH INSTRUMENT.



- NOTES:
- CONTRACTOR TO ABANDON UTILITY MONITORING POINT IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 31 80 00, GEOTECHNICAL INSTRUMENTATION.

UTILITY
MONITORING POINT

3180-900



SECTION

CONCRETE CLOSURE COLLAR

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"

3305-951

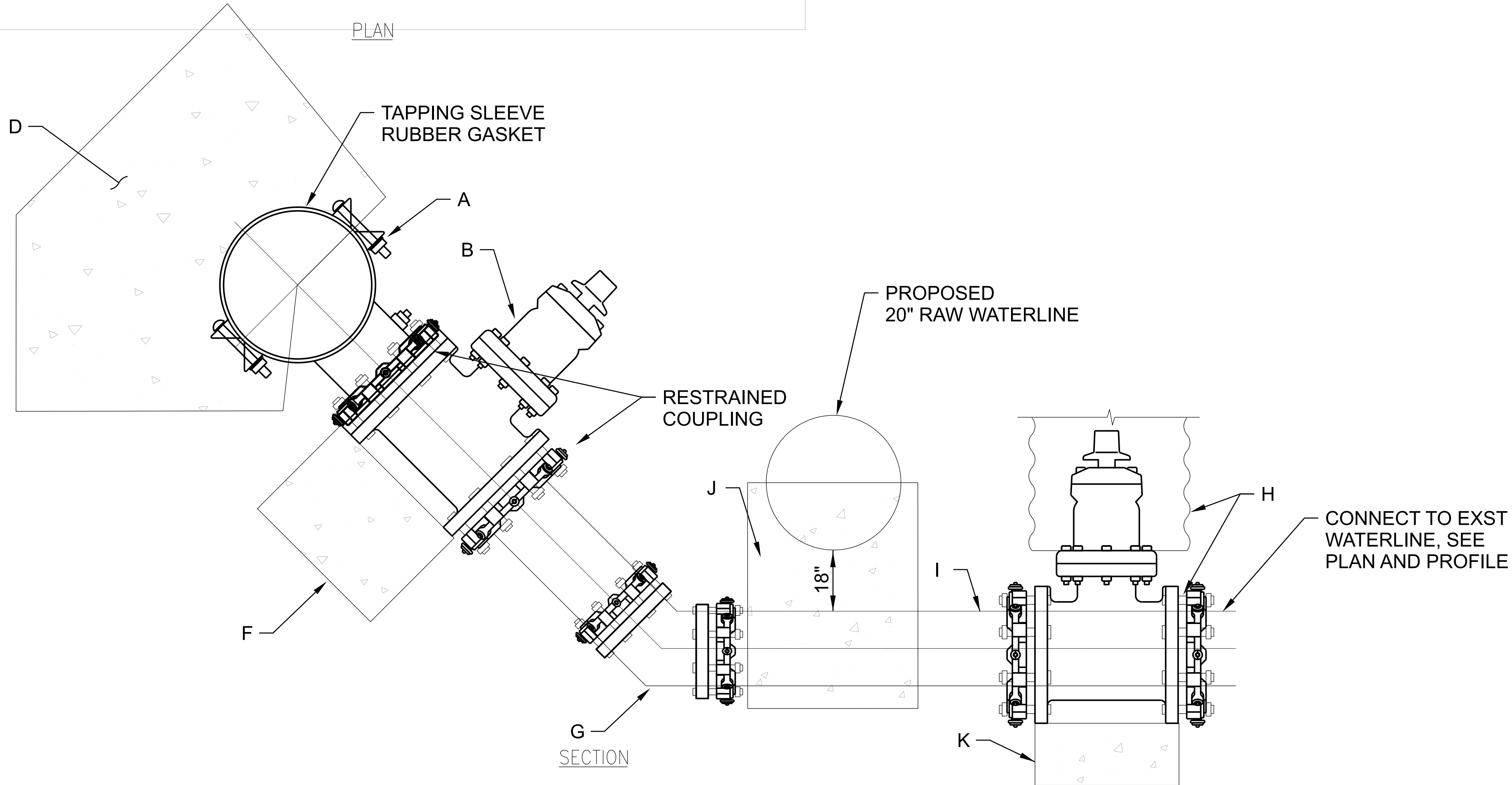
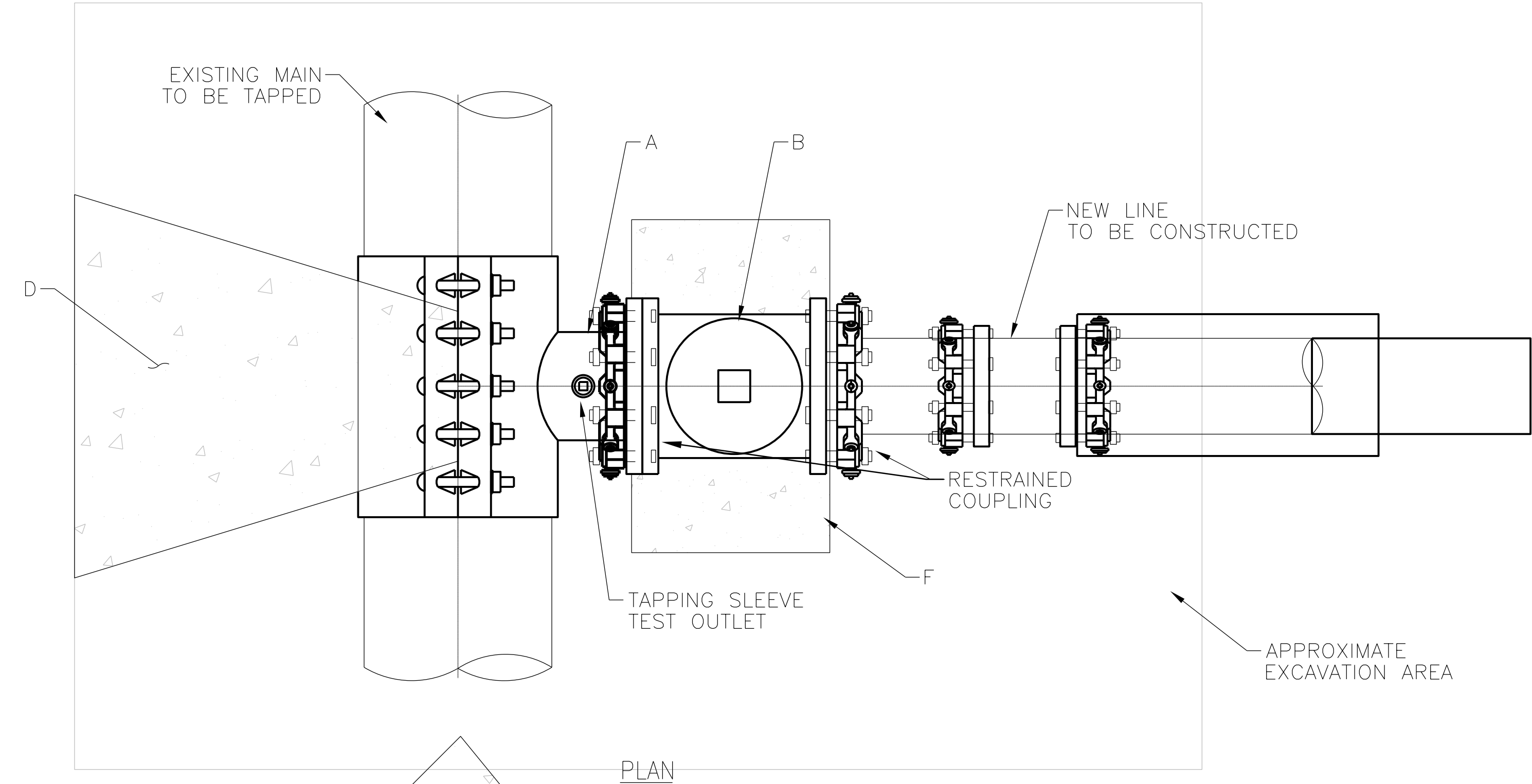


Approved by Albuquerque
City Engineer and Design
Review Committee, Feb. 10, 2022
CPN 771863

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING	SUBMITTED BY:	AS BUILT INFORMATION	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY	TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE 1 WESTSIDE BLVD	STANDARD DETAILS	WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.030XX	ZONE MAP NO.	SHEET DT-06
				1"=	DESIGNED BY: M COUTURE DATE: 12/21/21	Jacobs	CONTRACTOR --						
				ATTENTION 0 1/2" 1"	DRAWN BY: C LAMB DATE: 12/21/21		CONSTRUCTION BEGIN DATE --						
				GRAPHIC SCALE THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	CHECKED BY: E FORD DATE: 12/21/21		INSPECTOR'S ACCEPTANCE BY -- DATE --						
					CROSS CHK'D BY: W CHRISTOFFERSON DATE: 12/21/21		INSPECTOR'S NAME --						
					APPROVED BY: J PETERSON DATE: 12/21/21		SUBSTANTIAL COMPLETION DATE --						
					MAPS/RECORDS INFO.		DRAWINGS CORRECTED BY -- DATE --						

3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600





GENERAL NOTES


- ALL PARTS WITHIN THIS INSTALLATION, INCLUDING THE TAPPING SLEEVE PRODUCT, MUST COINCIDE WITH THE CURRENT WATER AUTHORITY APPROVED PRODUCTS LIST.
- CONFIRM THAT THE TAP DOES NOT EXCEED 2/3 OF THE EXISTING MAIN SIZE.
- A HYDROSTATIC TEST OF THE TAPPING SLEEVE AND VALVE IS MANDATORY PRIOR TO TAPPING THE MAIN.
- A WATER AUTHORITY INSPECTOR SHALL VIEW THE PIPE CONDITION AND INSPECT THE INSTALLATION OF THE SLEEVE PRIOR TO GIVING APPROVAL TO PERFORM THE TAP.
- PROTECT ALL NEW PIPING AND PARTS IN CONTACT WITH CONCRETE WITH 8 MIL SHEET PLASTIC.
- THE TAP WILL BE PERFORMED BY A COMPETENT AND KNOWLEDGEABLE INSTALLER, STRICTLY FOLLOWING THE MANUFACTURER'S INSTRUCTIONS. CONTRACTOR SHALL PROVIDE QUALIFICATIONS FOR THE WATER AUTHORITY'S CONSIDERATION AND APPROVAL.
- LABEL REQUIREMENTS: BEFORE THE WORK WILL BE ACCEPTED, WATER VALVE GPS COORDINATES SHALL BE PROVIDED ON THE RECORD DRAWINGS. GPS COORDINATES OBTAINED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF NEW MEXICO SHALL BE TAKEN AT THE VALVE OPERATING NUT. USE THE NAD 1983 NM STATE PLANE CENTRAL ZONE FOR X AND Y COORDINATES AND NAVD 1988 FOR Z COORDINATE.
- ANY DEVIATION FROM THIS STANDARD DRAWING REQUIRES WRITTEN AUTHORIZATION FROM THE WATER UTILITY AUTHORITY.
- ALL PIPELINE AND FITTINGS TO BE FULLY RESTRAINED.
- BACKFILL TRENCH PER STD DWG 3123-915 OR TO EXISTING FINAL GRADE AS SPECIFIED ON DRAWINGS.

CONSTRUCTION NOTES

- TAPPING SLEEVE. THE CONTRACTOR SHALL EXPOSE THE PROPOSED TAPPING LOCATION A MINIMUM 3' FROM ANY BELL, COUPLING, VALVE, FITTING, OR OTHER OBSTRUCTION. THOROUGHLY CLEAN WATER MAIN WITH WIRE BRUSH PRIOR TO INSTALLATION OF TAPPING SLEEVE. FLANGE FACE SHALL BE INSTALLED VERTICALLY TRUE AND PLUMB.
- GATE VALVE. USE FL x MJ OR MJ x MJ. ALL BOLTS SHALL BE CLEAR OF FOOTING.
- UNDISTURBED EARTH OR COMPACTED SUBGRADE, SEE SECTION 701. 95% DENSITY PER ASTM D 1557.
- THRUST BLOCKING PER STANDARD DRAWING 2320.
- THE TAPPING SLEEVE SHALL BE SUPPORTED BY LEAN FILL/SLURRY TO PREVENT UNDUE STRESS ON THE TAPPING SLEEVE AND VALVE ASSEMBLY.
- VALVE SHALL BE SUPPORTED BY BLOCKING PER STANDARD DRAWING 2320 DURING AND AFTER INSTALLATION.
- DUCTILE IRON FITTING 45 DEGREE BEND MJxMJ.
- GATE VALVE USE MJxMJ. INSTALL WATER VALVE BOX PER STD DWG 2326 WITH RING AND COVER FOR POTABLE WATER PER STD DRAWING 2328.
- LEAN FILL ENCASE WATER LINE ON EACH SIDE OF CROSSING WITH PROPOSED RAW WATER LINE TO JOINT UP TO 10' ON BOTH SIDE.
- INSTALL CONCRETE CRADLE SUPPORT PER STD DTL 3123-762
- ANCHOR GATE VALVE PER STD DWG 2333.

CPN 771863

REDRAWN FOR RECORD PURPOSES

<div>RECORD DRAWINGS</div> <div>THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.</div>	SCALE:	DESIGN TRACKING		<div>SUBMITTED BY:</div> <div>Jacobs</div> <div>3721 RUTLEDGE RD NE, SUITE B-1 ALBUQUERQUE, NM 87109 505-884-5600</div>	AS BUILT INFORMATION		ENGINEER'S SEAL	
	1"=	DESIGNED BY: M COUTURE	DATE: 12/2021		CONTRACTOR AUI, INC		<div>THIS DOCUMENT IS AN ELECTRONIC COPY. ORIGINAL DOCUMENT WAS ISSUED AND SEALED ON 12/17/2021. THE ORIGINAL DOCUMENT IS STORED AT THE OFFICES OF JACOBS ALBUQUERQUE, NM.</div>	
	<div>ATTENTION</div> <div>0 1/2" 1"</div> <div></div> <div>GRAPHIC SCALE</div> <div>THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)</div>	DRAWN BY: C LAMB	DATE: 12/2021		CONSTRUCTION BEGIN DATE 3/01/2022			
		CHECKED BY: E FORD	DATE: 12/2021		INSPECTOR'S ACCEPTANCE BY JACOBS DATE 5/31/2022			
		CROSS CHK'D BY: W CHRISTOFFERSON	DATE: 12/2021		INSPECTOR'S NAME L KOIKE/V TORRES			
		APPROVED BY: J PETERSON	DATE: 12/2021		SUBSTANTIAL COMPLETION DATE 5/31/2022			
		MAPS/RECORDS INFO.			DRAWINGS CORRECTED BY JACOBS DATE 8/2022			
		-						
					<div>ALBUQUERQUE BERNALILLO COUNTY</div> <div>WATER UTILITY AUTHORITY</div> <div>TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO.1 WESTSIDE BLVD</div> <div>WATER LINE LOWERING - 2332</div> <div>WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.03001</div> <div>ZONE MAP NO. A-12 & A-13</div> <div>SHEET DT-07</div>			

GENERAL NOTES

- ALL PARTS WITHIN THIS INSTALLATION, INCLUDING THE TAPPING SLEEVE PRODUCT, MUST COINCIDE WITH THE CURRENT WATER AUTHORITY APPROVED PRODUCTS LIST.
- CONFIRM THAT THE TAP DOES NOT EXCEED 2/3 OF THE EXISTING MAIN SIZE.
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- LABEL REQUIREMENTS: BEFORE THE WORK WILL BE ACCEPTED, WATER VALVE GPS COORDINATES SHALL BE PROVIDED ON THE RECORD DRAWINGS. GPS COORDINATES OBTAINED BY A PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF NEW MEXICO SHALL BE TAKEN AT THE VALVE OPERATING NUT. USE THE NAD 1983 NM STATE PLANE CENTRAL ZONE FOR X AND Y COORDINATES AND NAVD 1988 FOR Z COORDINATE.
- ANY DEVIATION FROM THIS STANDARD DRAWING REQUIRES WRITTEN AUTHORIZATION FROM THE WATER UTILITY AUTHORITY.
- ALL PIPELINE AND FITTINGS TO BE FULLY RESTRAINED.
- BACKFILL TRENCH PER STD DWG 3123-915 OR TO EXISTING FINAL GRADE AS SPECIFIED ON DRAWINGS.





CONSTRUCTION NOTES

- A. TAPPING SLEEVE. THE CONTRACTOR SHALL EXPOSE THE PROPOSED TAPPING LOCATION A MINIMUM 3' FROM ANY BELL, COUPLING, VALVE, FITTING, OR OTHER OBSTRUCTION. THOROUGHLY CLEAN WATER MAIN WITH WIRE BRUSH PRIOR TO INSTALLATION OF TAPPING SLEEVE. FLANGE FACE SHALL BE INSTALLED VERTICALLY TRUE AND PLUMB.
- B. GATE VALVE. USE FL x MJ OR MJ x MJ ALL BOLTS SHALL BE CLEAR OF FOOTING.
- C. UNDISTURBED EARTH OR COMPACTED SUBGRADE, SEE SECTION 701. 95% DENSITY PER ASTM D 1557.
- D. THRUST BLOCKING PER STANDARD DRAWING 2320.
- E. THE TAPPING SLEEVE SHALL BE SUPPORTED BY LEAN FILL/SLURRY TO PREVENT UNDUE STRESS ON THE TAPPING SLEEVE AND VALVE ASSEMBLY.
- F. VALVE SHALL BE SUPPORTED BY BLOCKING PER STANDARD DRAWING 2320 DURING AND AFTER INSTALLATION.
- G. DUCTILE IRON FITTING 45 DEGREE BEND MJxMJ.
- H. GATE VALVE USE MJxMJ INSTALL WATER VALVE BOX PER STD DWG 2326 WITH RING AND COVER FOR POTABLE WATER PER STD DRAWING 2328.
- I. LEAN FILL ENCASE WATER LINE ON EACH SIDE OF CROSSING WITH PROPOSED RAW WATER LINE TO JOINT UP TO 10' ON BOTH SIDE.
- J. INSTALL CONCRETE CRADLE SUPPORT PER STD DTL 3123-762
- K. ANCHOR GATE VALVE PER STD DWG 2333.

THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"



Approved by Albuquerque
City Engineer and Design
Review Committee, Feb. 10, 2022
CPN 771863

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING		SUBMITTED BY:	AS BUILT INFORMATION			 ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY			
				1"=	DESIGNED BY: M COUTURE	DATE: 12/17/21	 3721 RUTLEDGE RD NE, SUITE B-1 ALBUQUERQUE, NM 87109 505-884-5600	CONTRACTOR	--		TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO.1 WESTSIDE BLVD WATER LINE LOWERING – 2332	WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.030XX	ZONE MAP NO.	SHEET DT-07
			<div>ATTENTION</div> <div>0 1/2" 1"</div> <div></div> <div>GRAPHIC SCALE</div> <div>THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)</div>	DRAWN BY: C LAMB	DATE: 12/17/21	CONSTRUCTION BEGIN DATE		--						
				CHECKED BY: E FORD	DATE: 12/17/21	INSPECTOR'S ACCEPTANCE BY		DATE	--					
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				MAPS/RECORDS INFO.				DRAWINGS CORRECTED BY	DATE					
				--	--									

Jacobs
3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

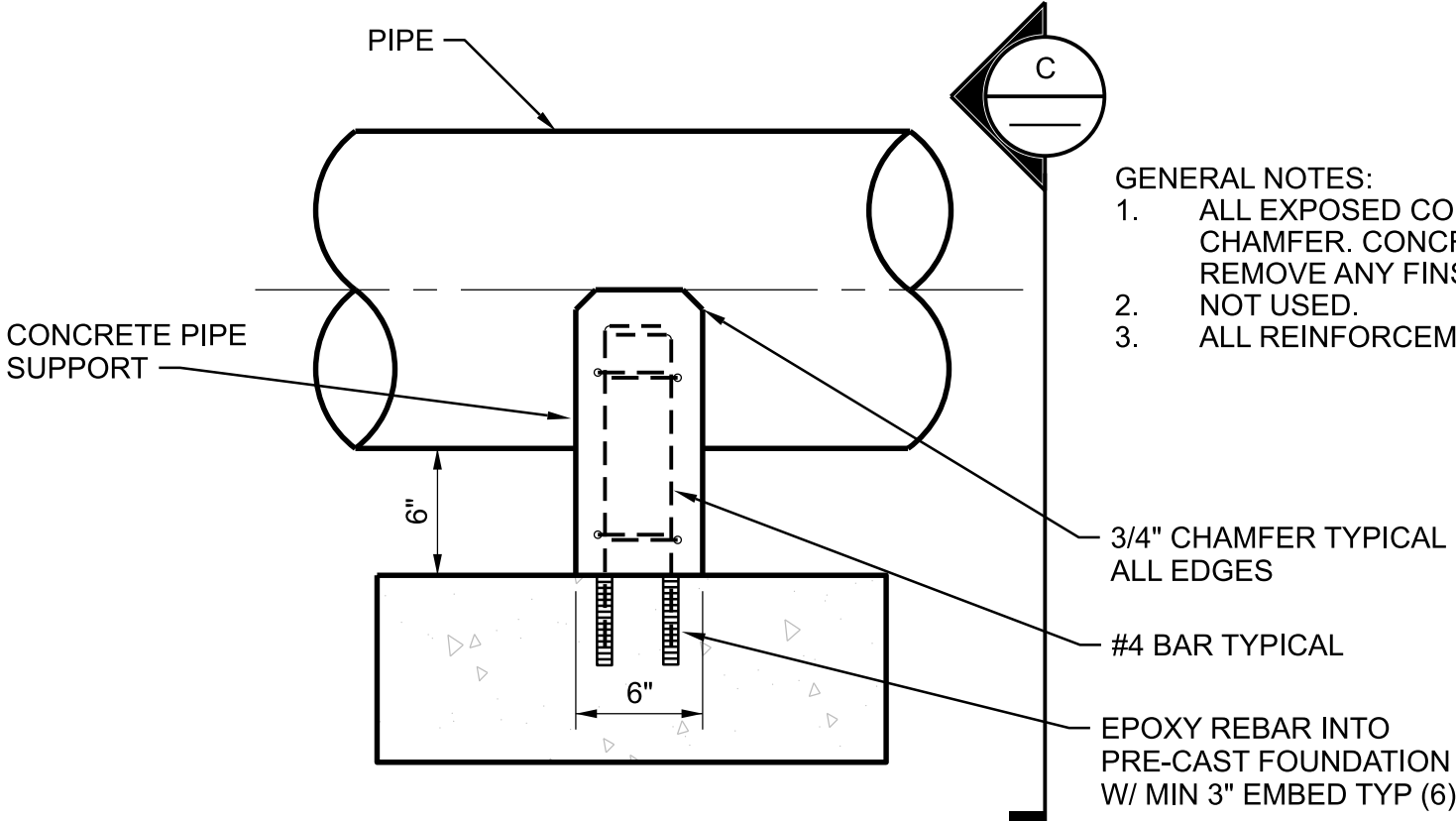
NOTES:

- INTERIOR MAIN PIPING SHALL BE RESTRAINED DUCTILE IRON PIPE. CAV VALVE ASSEMBLY PIPING AND FITTING FOR 2-INCH AND SMALLER PIPE SHALL BE SCH. 40 THREADED, TYPE 316 STAINLESS STEEL. DIAMETER SHALL MATCH SPECIFIC CAV VALVE TO BE INSTALLED. PIPE LARGER THAN 2-INCHES SHALL BE FLANGED DUCTILE IRON.
- PARTS WITHIN THE VAULT MUST COINCIDE WITH THE CURRENT WATER AUTHORITY APPROVED PRODUCTS LIST.
- CONCRETE VAULT SHALL BE PRECAST WITH REMOVABLE CONCRETE LID.
- LOCATE ACCESS MANHOLE FRAME, ADJUST RINGS AND COVER ON REMOVABLE CONCRETE LID TO ALLOW LID REMOVAL WITH THESE APPURTENANCES IN PLACE.
- SUBMIT DIMENSIONED AND SCALED SHOP DRAWINGS OF VAULT AND PIPING, AND AIR AND VACUUM VALVE ASSEMBLY PRIOR TO VAULT FABRICATION AND PIPE INSTALLATION.
- PAINT PURPLE NON POTABLE STRIPE ON DUCTILE IRON, FINAL COLOR SELECTED BY OWNER. INSTALL TRACE WIRE ON PIPE INSIDE THE VAULT.
- BACKFILL MATERIAL SHALL BE 95% DENSITY PER ASTM D 1557.
- EXTEND INTERIOR MAIN PIPING MATERIAL TO AT LEAST 5 FEET OUTSIDE VAULT WALL. NO JOINTS WITHIN VAULT ON MAIN PIPING.
- FOR PRECAST VAULT REQUIREMENTS, REFER TO SECTION 03 40 00, PRECAST CONCRETE STRUCTURES.
- PRECAST VAULT DESIGN CRITERIA

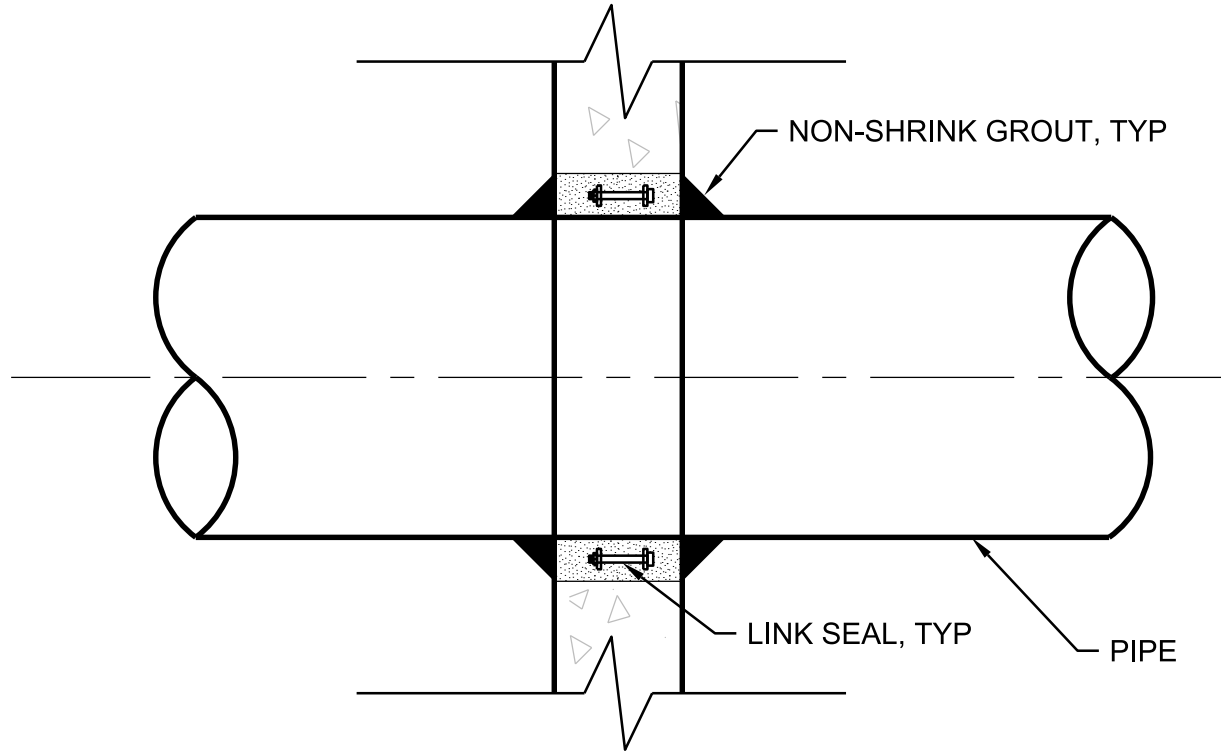
MATERIAL	
STRUCTURAL CONCRETE F'C	4000 PSI
REINFORCING	ASTM 615 GRADE 60
LOADING	
VAULT LID	HS25 LIVE LOAD PLUS 1.3 IMPACT PLUS DEAD LOADS
VAULT WALLS	60 PSF
SURCHARGE (VEHICLE)	2 FEET
VAULT BASE SLAB ALLOWABLE BEARING PRESSURE	1500 PSF

CONSTRUCTION NOTES:

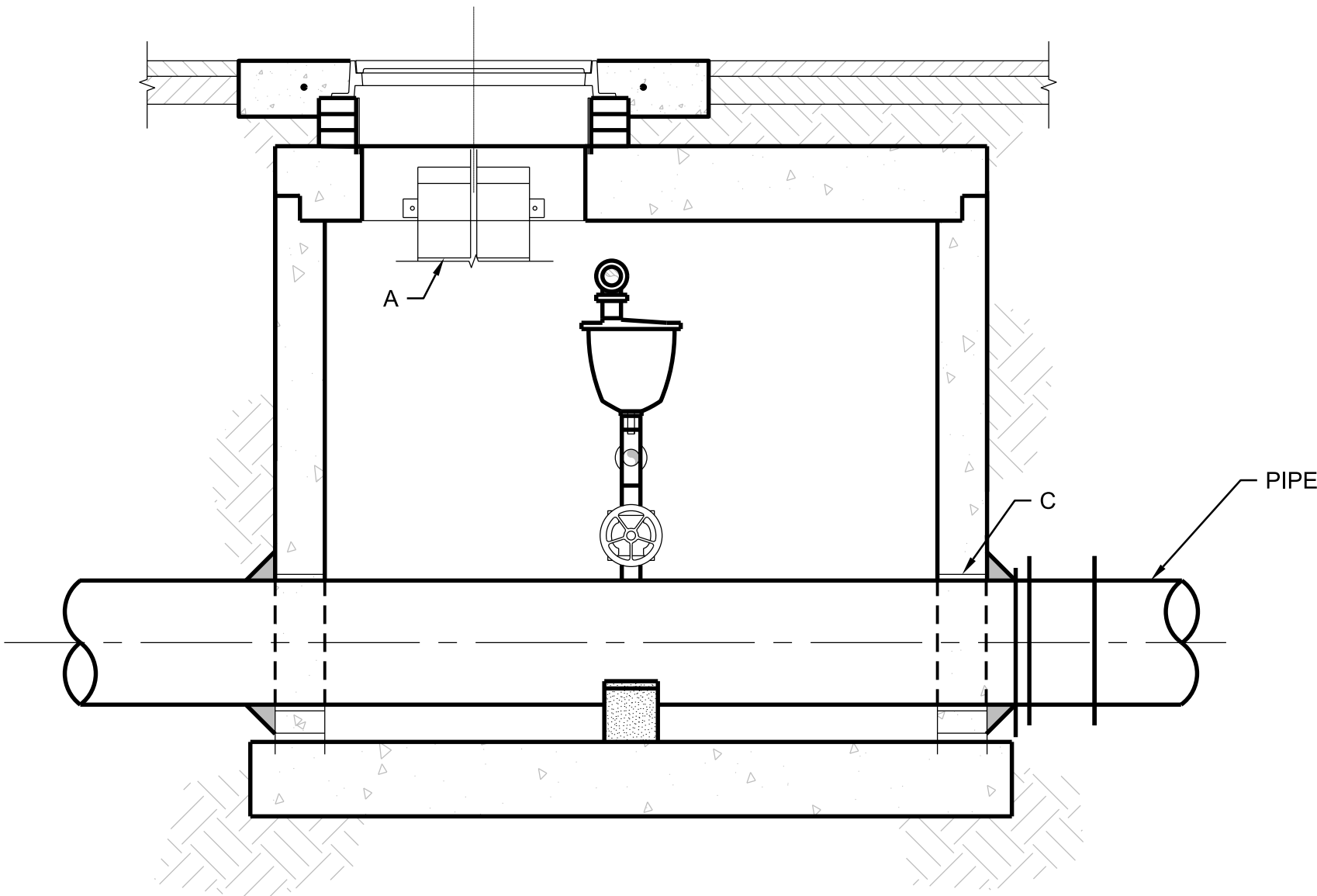
- LADDER TO BE INSTALLED IN VAULTS PER STANDARD DRAWING 2335. INSTALL LADDER-UP SYSTEM, MODEL LU-4 BY BILCO, NO EXCEPTIONS.
- 36" DIAMETER MANHOLE FRAME AND COVER MARKED "NON-POTABLE" PER STANDARD DRAWING 2310. FOR VAULT INSTALLATION IN R.O.W., ADJUST MANHOLE FRAME AND COVER PER STANDARD DRAWING 2460. FOR ABOVE GROUND VAULTS, INSTALL FLUSH ALUMINUM HATCH AND SLEEVE FOR DAVIT MAST ARM.
- LINK SEAL. GROUT PENETRATION AROUND EXTERIOR CIRCUMFERENCE. SEE
- REMOVE AND REPLACE PAVEMENT.
- GOOSENECK VENT, 4" DIAMETER SCHEDULE 40 STAINLESS STEEL. SEE
- REMOVE AND REPLACE CURB AND GUTTER PER STANDARD DRAWING 2415A.
- 4" DIAMETER DRAIN WITH 3"x3"x3" GRAVEL DRAIN POCKET WITH CLEAN GRAVEL, ASTM C33, NO. 57. LINE DRAIN POCKET WITH GEOTEXTILE FABRIC NMDOT CLASS 3. LOCATE UNDER VENT PIPE.
- SLOPE VAULT FLOOR TO DRAIN TYPICAL.
- CAST IN PLACE CONCRETE PIPE SUPPORT. SEE
- RECESSED LIFTING EYE, 4 REQUIRED. FLUSH WITH TOP OF CONCRETE LID.
- CONCRETE COLLAR PER STANDARD DRAWING 2461.
- ADJUSTMENT RINGS (IF NEEDED) PER STANDARD DRAWING 2460.
- UNISTRUT PIPE BRACKET TYPICAL FOR COMBINATION AIR VALVE VENT.
- REMOVE AND REPLACE SIDEWALK PER STANDARD DRAWING 2430.
- CONCRETE COLLAR WITH 2 #4 REBAR EACH WAY CENTERED. SEE
- TACK COAT.
- 1-1/4" STAINLESS STEEL THREADED EYEBOLT, CENTERED ON COMBINATION AIR VALVE ASSEMBLY, 1300 POUNDS LIFT CAPACITY.
- STATIONARY PIPE BOLLARD, SEE STANDARD DRAWING 2322.
- COORDINATE VENT PIPE ORIENTATION FOR EACH VAULT LOCATION DURING SHOP DWG SUBMITTAL.
- TEE WITH 1" OUTLET, 1" NIPPLE, 1" BALL VALVE AND CAP.
- COMBINATION AIR VALVE ASSEMBLY, SIZE PER PLANS. SEE SPECIFICATION SECTION 40 27 02B, PROCESS VALVES AND OPERATORS.
- TAPPING SADDLE OR OUTLET ROMAC FTS419 OR APPROVED EQUAL.
- GATE VALVE WITH HANDWHEEL SIZE THE SAME AS COMBINATION AIR AND VACUUM RELEASE VALVE.
- 4" SCHEDULE 40 GALVANIZED STEEL PIPE FOR VAULT VENT. ROUTE TO BACK OF SIDEWALK. FIELD ADJUST DEPTH AND ROUTING TO AVOID EXISTING UTILITIES.
- UNION TYPICAL, ALL AIR AND VACUUM RELEASE VALVES.



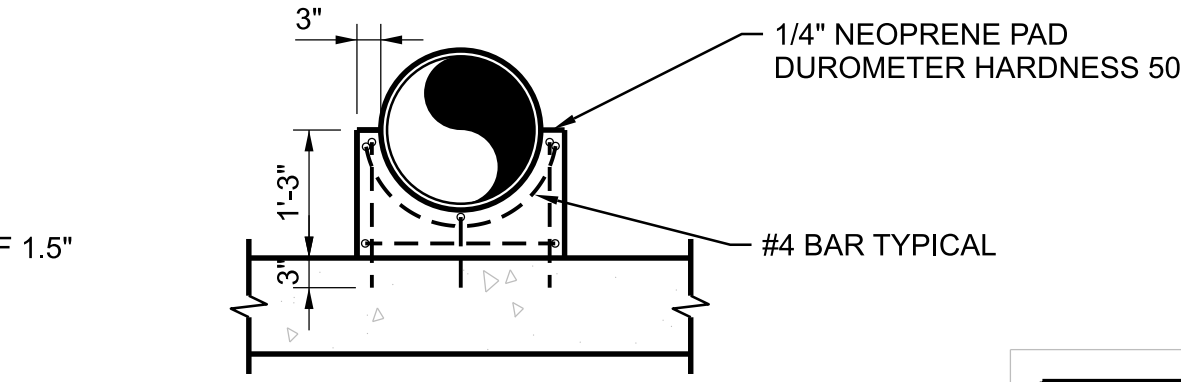
1 CONCRETE PIPE SUPPORT
1"=1"



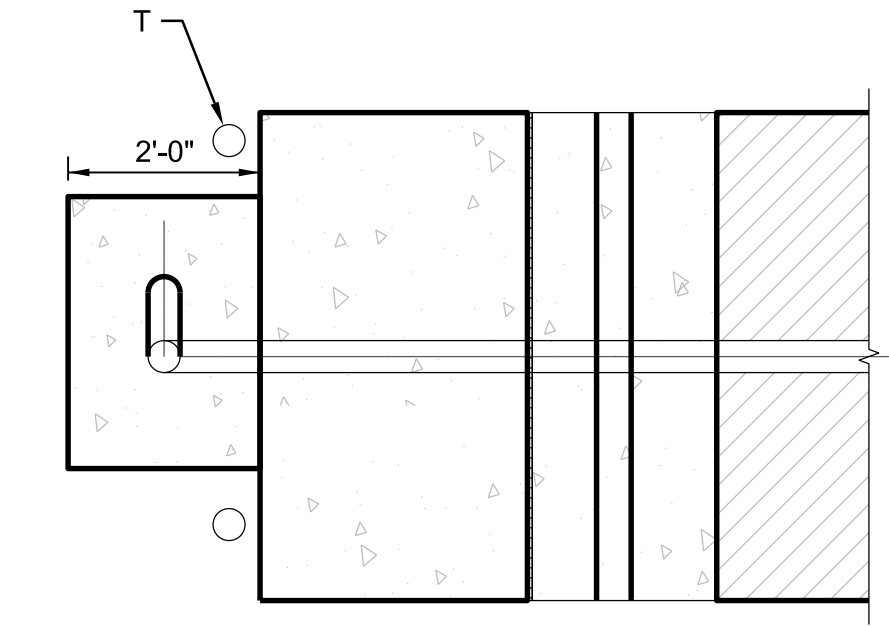
2 LINK SEAL DETAIL
1"=1"



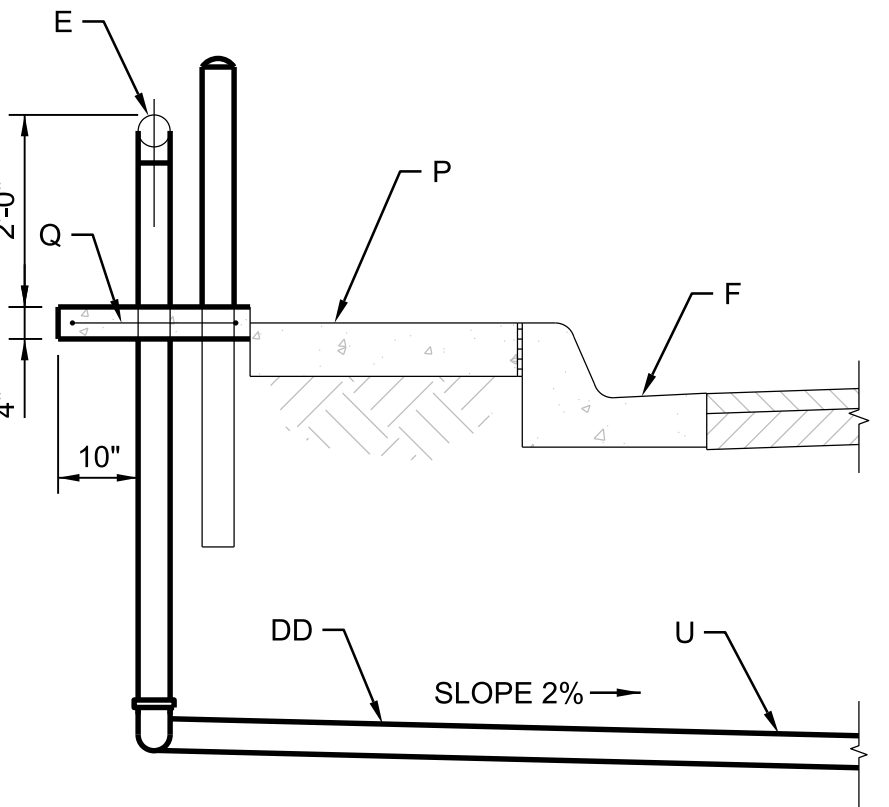
SECTION A
NTS



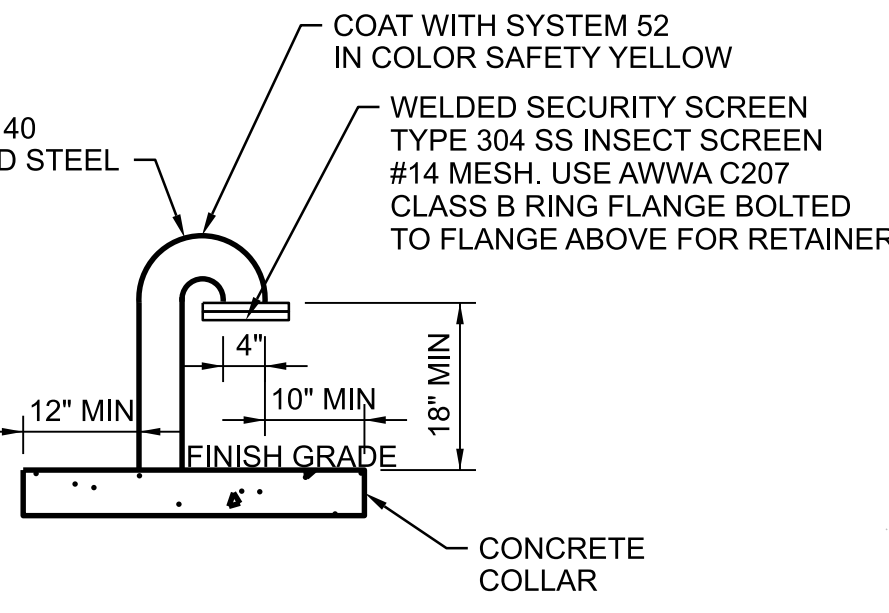
SECTION C FOR CONCRETE
PIPE SUPPORT
NTS



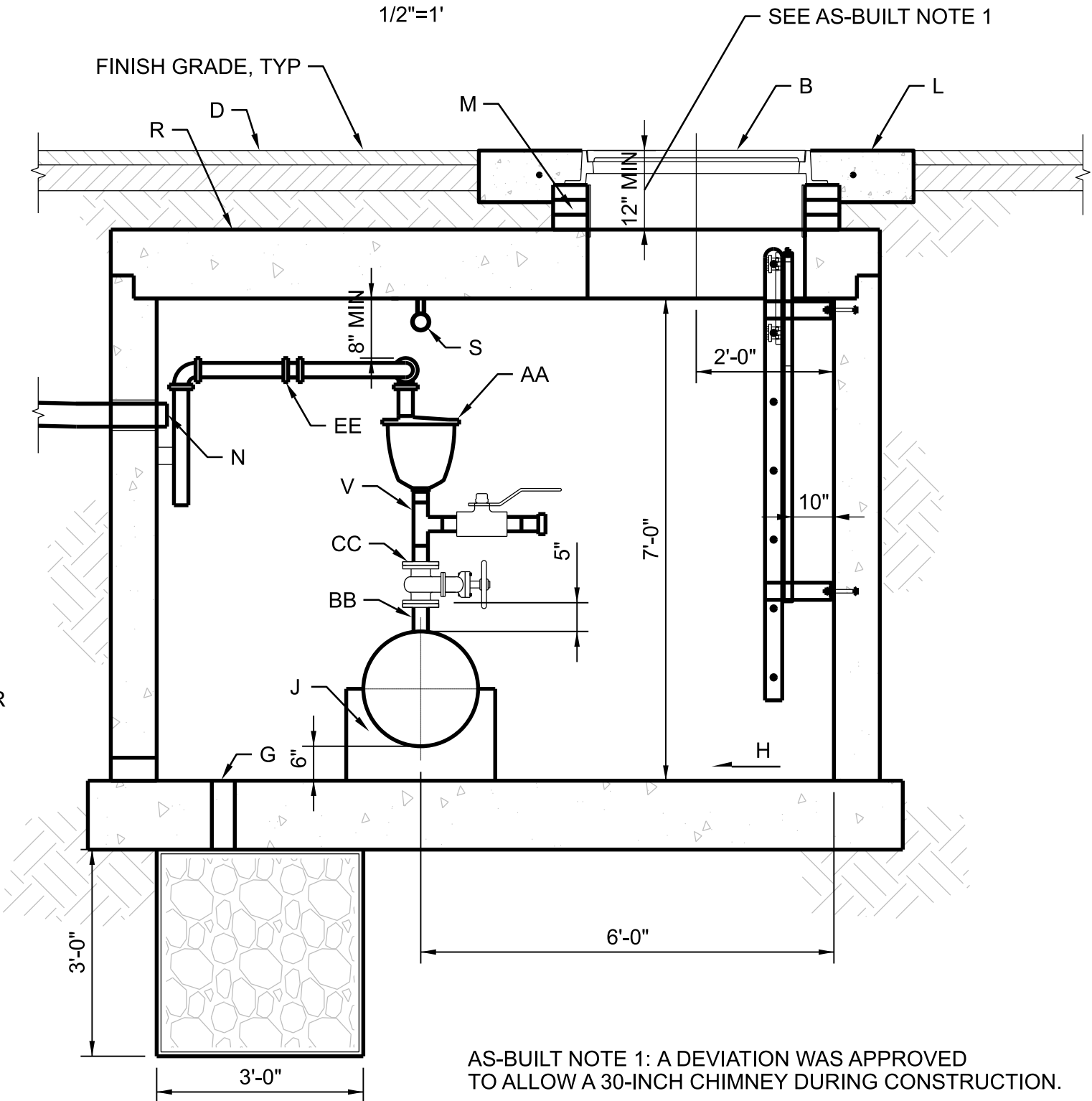
PLAN
1/2"=1"



SECTION B
NTS




3 GOOSENECK VENT DETAIL



AS-BUILT NOTE 1: A DEVIATION WAS APPROVED TO ALLOW A 30-INCH CHIMNEY DURING CONSTRUCTION.

REDRAWN FOR RECORD PURPOSES


<div>RECORD DRAWINGS</div> <div>THESE RECORD DOCUMENTS HAVE BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THEY ARE NOT INTENDED TO REPRESENT IN DETAIL THE EXACT LOCATION, TYPE OF COMPONENT NOR MANNER OF CONSTRUCTION. THE DESIGN PROFESSIONAL HAS NOT VERIFIED THE ACCURACY AND/OR THE COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH MAY BE INCORPORATED HEREIN AS A RESULT.</div>	SCALE:	DESIGN TRACKING		SUBMITTED BY:	AS BUILT INFORMATION		ENGINEER'S SEAL				
	1"=	DESIGNED BY:	A ARNING/H ROJAS	DATE:	12/2021	CONTRACTOR	AUI, INC	THIS DOCUMENT IS AN ELECTRONIC COPY. ORIGINAL DOCUMENT WAS ISSUED AND SEALED ON 12/17/2021. THE ORIGINAL DOCUMENT IS STORED AT THE OFFICES OF JACOBS ALBUQUERQUE, NM.			
	<div>ATTENTION</div> <div>0 1/2" 1"</div> <div></div> <div>GRAPHIC SCALE</div>	DRAWN BY:	J MESTEMACHER	DATE:	12/2021	CONSTRUCTION BEGIN DATE	3/01/2022				
		CHECKED BY:	E FORD	DATE:	12/2021	INSPECTOR'S ACCEPTANCE BY	JACOBS		DATE	5/31/2022	
		CROSS CHK'D BY:	W CHRISTOFFERSON	DATE:	12/2021	INSPECTOR'S NAME	L KOIKE/V TORRES				
	THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY:	J PETERSON	DATE:	12/2021	SUBSTANTIAL COMPLETION DATE	5/31/2022		DRAWINGS CORRECTED BY	JACOBS	DATE
	MAPS/RECORDS INFO.		-		-		-				

JACOBS

3721 RUTLEDGE RD NE, SUITE B-1

ALBUQUERQUE, NM 87109

505-884-5600



ALBUQUERQUE BERNALILLO COUNTY

WATER UTILITY AUTHORITY

TITLE:

RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION

BID PACKAGE NO.1 WESTSIDE BLVD

CAV DETAIL - 2350

WATER AUTHORITY

CONSTRUCTION PROJECT NO.

2320.03001

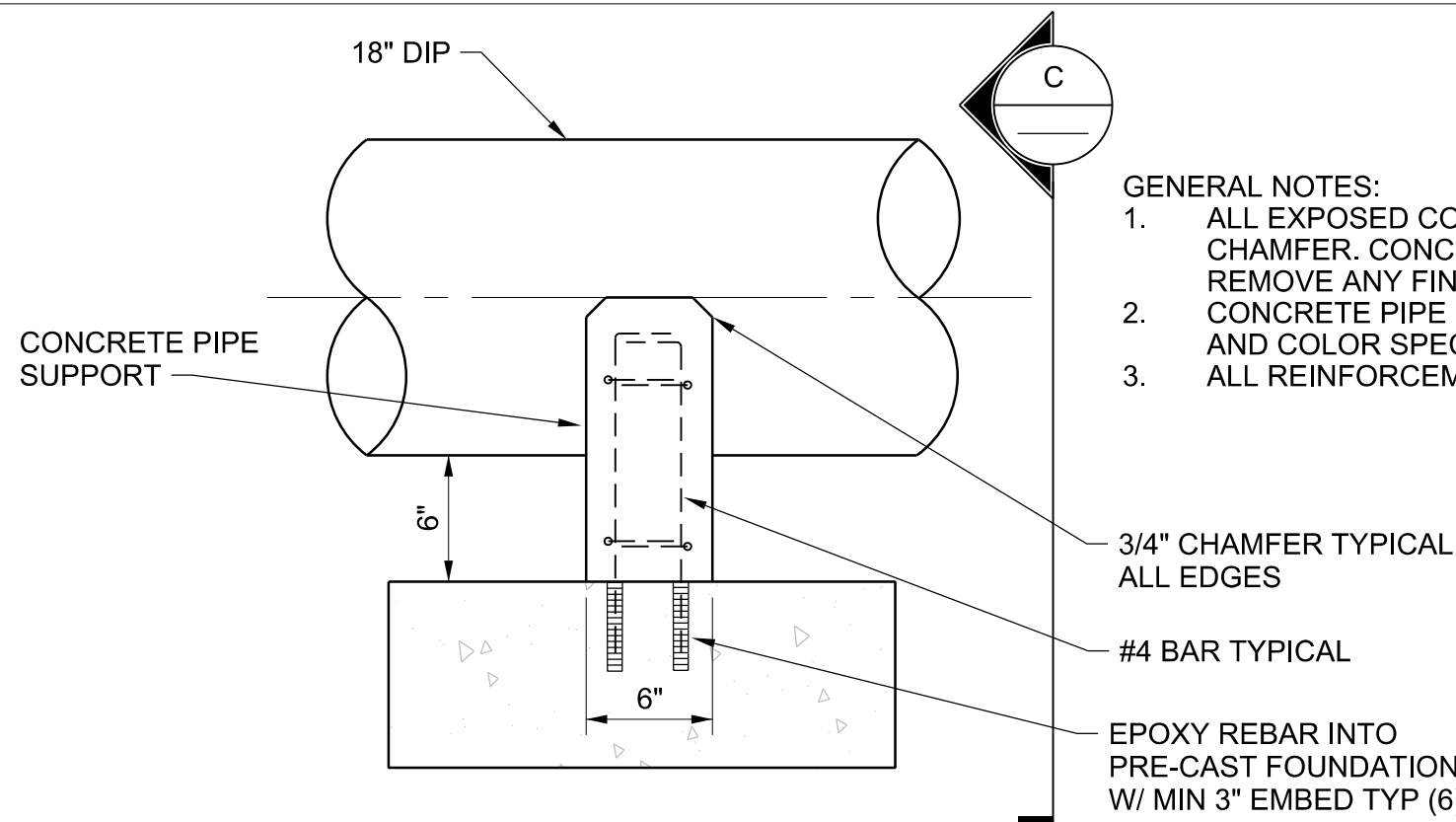
ZONE

MAP NO.

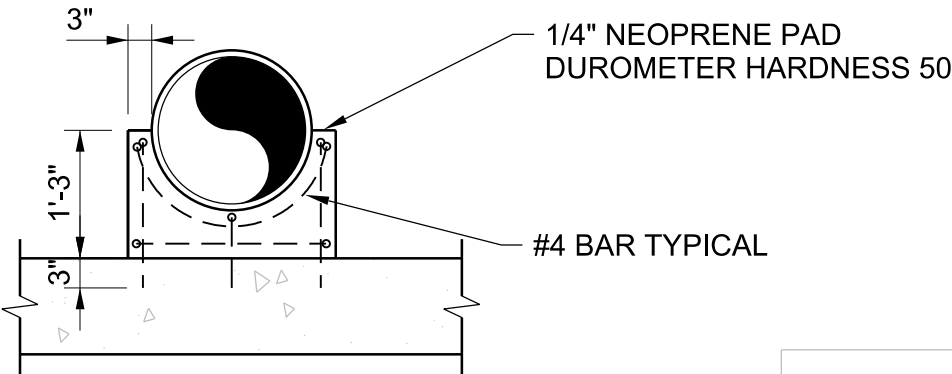
A-12 & A-13

SHEET

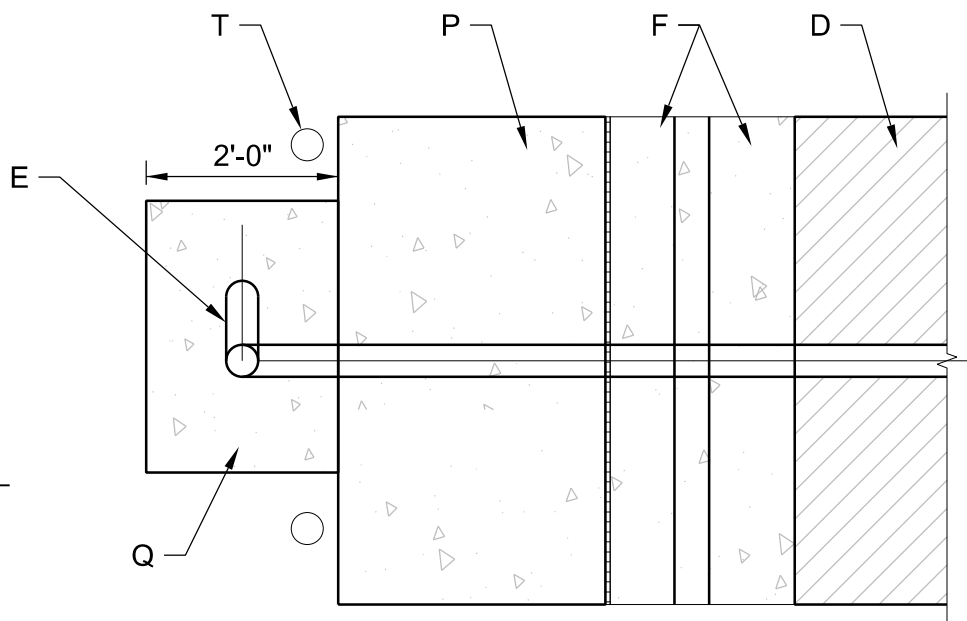
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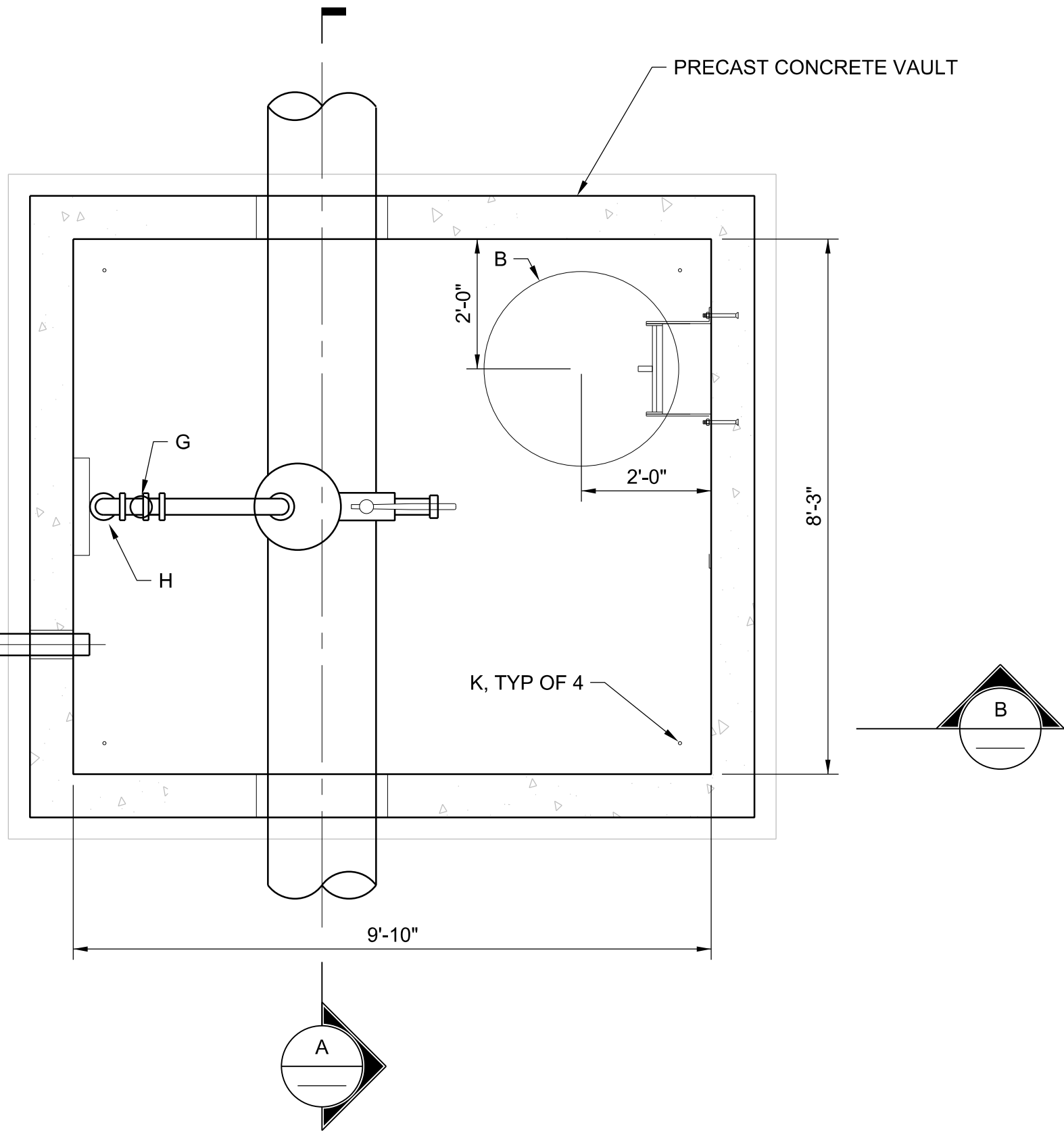
- GENERAL NOTES:
- ALL EXPOSED CONCRETE EDGES SHALL RECEIVE A 3/4" CHAMFER. CONCRETE SURFACE SHALL BE RUBBED TO REMOVE ANY FINS OR SHARP EDGES PRIOR TO PAINTING.
 - CONCRETE PIPE SUPPORT SHALL RECEIVE SAME COATING AND COLOR SPECIFIED FOR DUCTILE IRON PIPE.
 - ALL REINFORCEMENT SHALL HAVE A MINIMUM COVER OF 1.5"



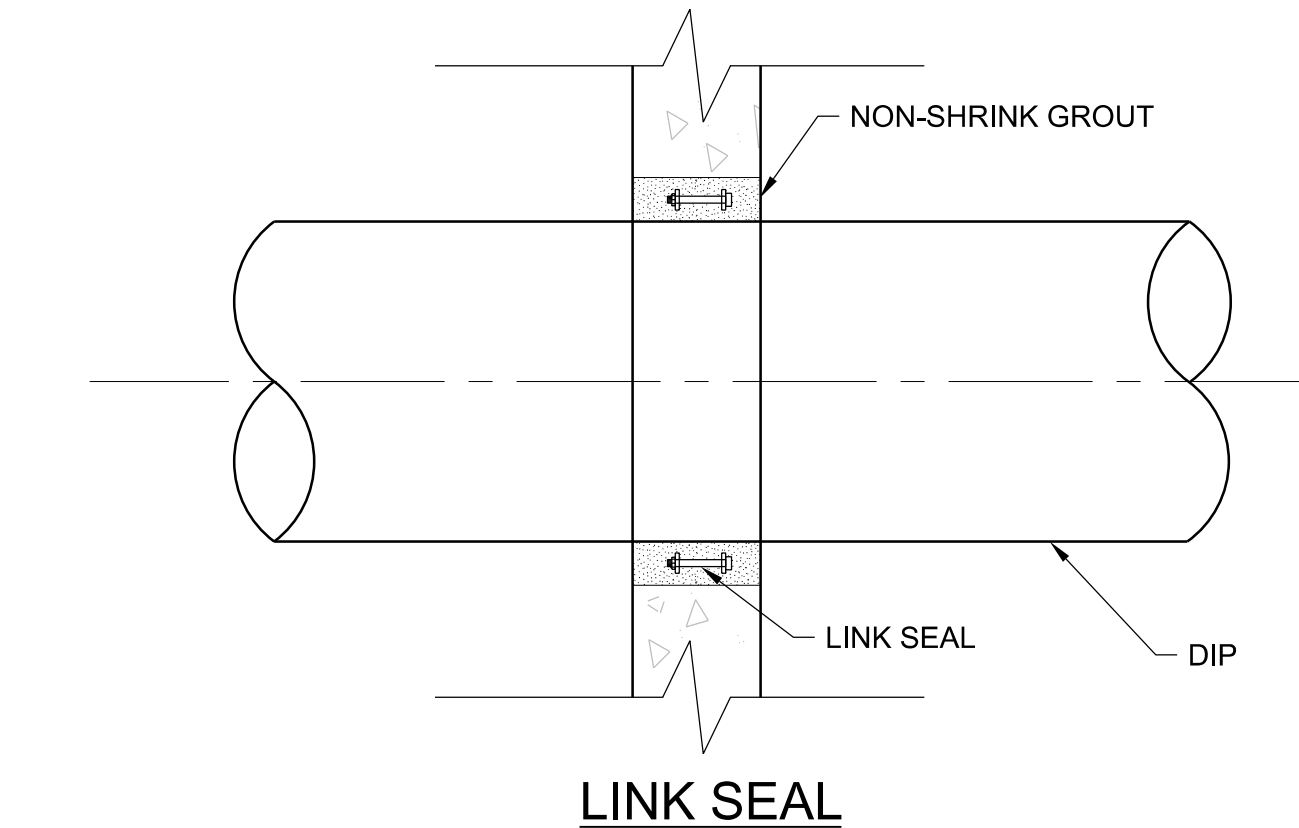
SECTION C
NTS



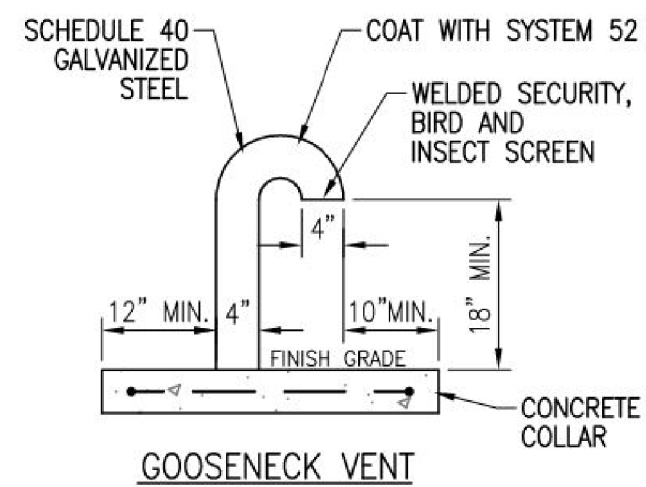
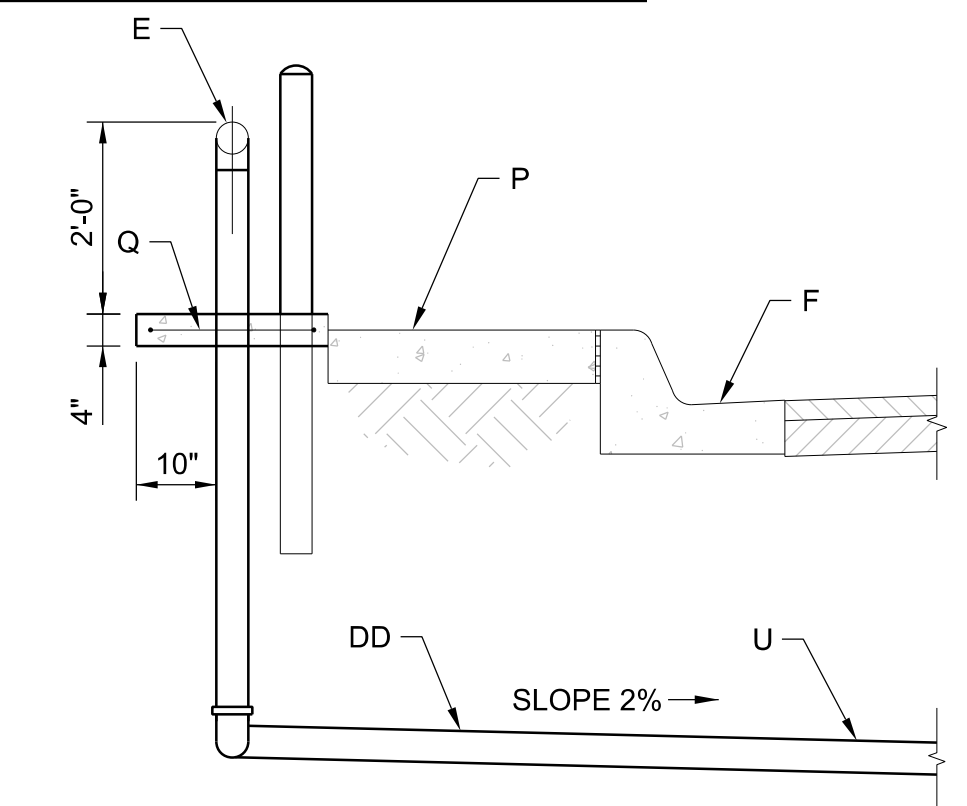
THIS SHEET SUPERSEDED BY
SIMILAR SHEET MARKED
"REDRAWN FOR RECORD PURPOSES"



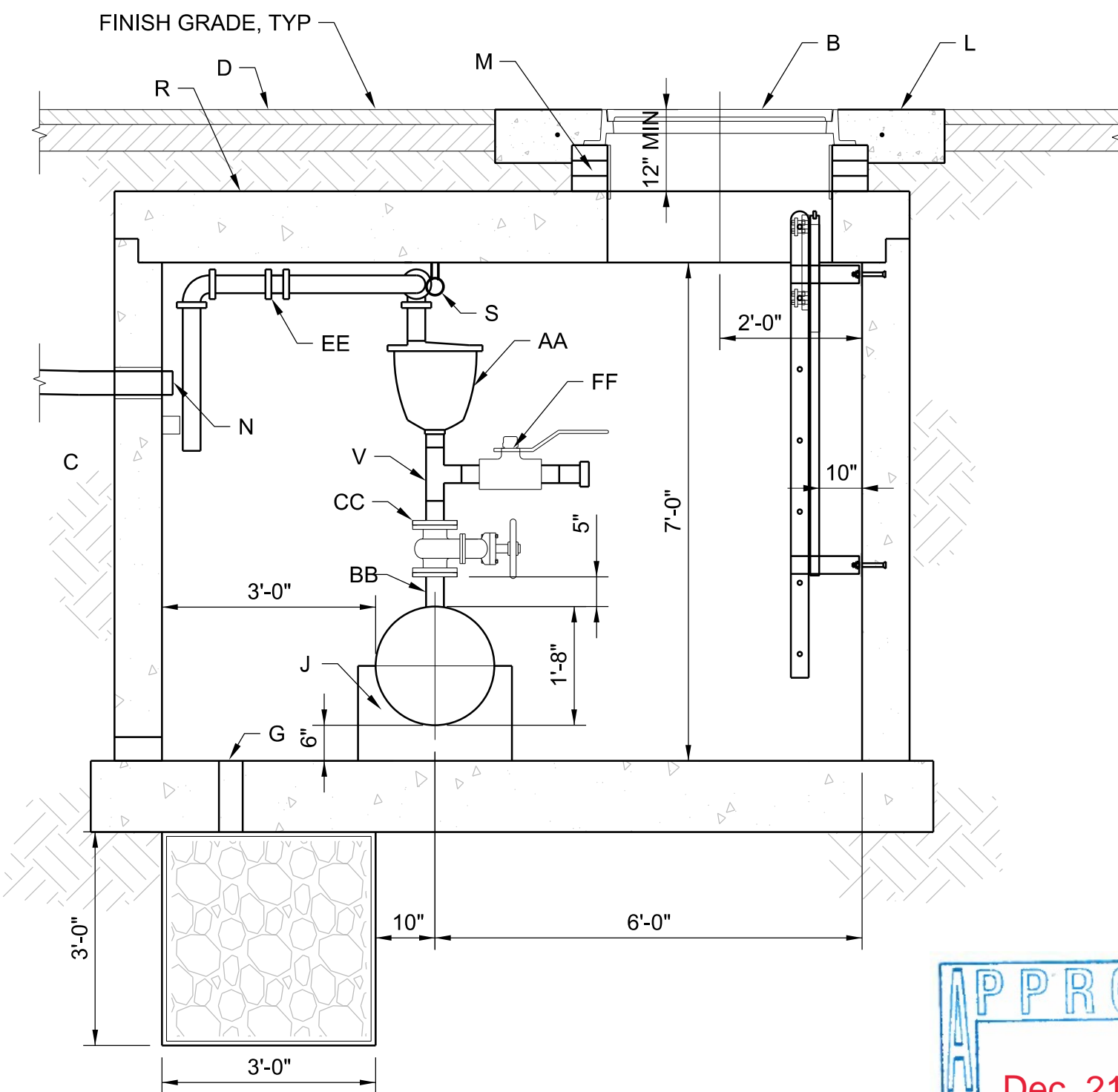
PLAN
1/2"=1'



SECTION A
1/2"=1'



3 DETAIL



SECTION B
1/2"=1'



NOTES:

- INTERIOR MAIN PIPING SHALL BE RESTRAINED DUCTILE IRON PIPE. CAV VALVE ASSEMBLY PIPING AND FITTING FOR 2-INCH AND SMALLER PIPE SHALL BE SCH. 40 THREADED, TYPE 316 STAINLESS STEEL. DIAMETER SHALL MATCH SPECIFIC CAV VALVE TO BE INSTALLED. PIPE LARGER THAN 2-INCHES SHALL BE FLANGED DUCTILE IRON.
- PARTS WITHIN THE VAULT MUST COINCIDE WITH THE CURRENT WATER AUTHORITY APPROVED PRODUCTS LIST.
- CONCRETE VAULT SHALL BE PRECAST WITH REMOVABLE CONCRETE LID.
- LOCATE ACCESS MANHOLE FRAME, ADJUST RINGS AND COVER ON REMOVABLE CONCRETE LID TO ALLOW LID REMOVAL WITH THESE APPURTENANCES IN PLACE.
- SUBMIT DIMENSIONED AND SCALED SHOP DRAWINGS OF VAULT AND PIPING, AND AIR AND VACUUM VALVE ASSEMBLY PRIOR TO VAULT FABRICATION AND PIPE INSTALLATION.
- DUCTILE IRON PIPE SHALL RECEIVE A 2-COAT PAINT SYSTEM. BOTH THE PRIME COAT AND TOP COAT SHALL BE A HIGH SOLIDS EPOXY SUCH AS SHERMAN WILLIAMS MACROPOXY 646 FAST CURE EPOXY, WITH A MINIMUM OF 6 MILS DFT, EACH COAT, O.A.E. OWNER WILL SELECT PAINT COLORS FOR PIPING AND APPURTENANCES INSIDE VALVE VAULTS.
- BACKFILL MATERIAL SHALL BE 95% DENSITY PER ASTM D 1557.
- EXTEND INTERIOR MAIN PIPING MATERIAL TO AT LEAST 5 FEET OUTSIDE VAULT WALL. NO JOINTS WITHIN VAULT ON MAIN PIPING.
- FOR PRECAST VAULT REQUIREMENTS, REFER TO SECTION 03 40 00, PRECAST CONCRETE STRUCTURES.
- PRECAST VAULT DESIGN CRITERIA

MATERIAL	
STRUCTURAL CONCRETE F'C	4000 PSI
REINFORCING	ASTM 615 GRADE 60
LOADING	
VAULT LID	HS25 LIVE LOAD PLUS 1.3 IMPACT PLUS DEAD LOADS
VAULT WALLS	60 PSF
SURCHARGE (VEHICLE)	2 FEET
VAULT BASE SLAB	
ALLOWABLE BEARING PRESSURE	1500 PSF

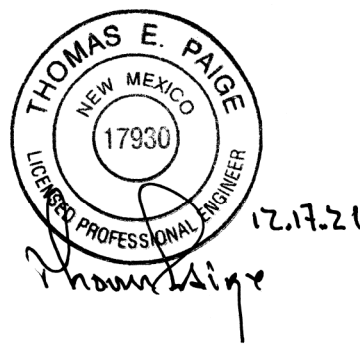
CONSTRUCTION NOTES:

- LADDER TO BE INSTALLED IN VAULTS PER STANDARD DRAWING 2335. INSTALL LADDER-UP SYSTEM, MODEL LU-4 BY BILCO, NO EXCEPTIONS.
- 36" DIAMETER MANHOLE FRAME AND COVER MARKED "WATER" PER STANDARD DRAWING 2310. FOR VAULT INSTALLATION IN R.O.W., ADJUST MANHOLE FRAME AND COVER PER STANDARD DRAWING 2460. FOR ABOVE GROUND VAULTS, INSTALL FLUSH ALUMINUM HATCH AND SLEEVE FOR DAVIT MAST ARM.
- LINK SEAL, GROUT PENETRATION AROUND EXTERIOR CIRCUMFERENCE.
- REMOVE AND REPLACE PAVEMENT.
- GOOSENECK VENT, 4" DIAMETER SCHEDULE 40 STAINLESS STEEL. SEE 3
- REMOVE AND REPLACE CURB AND GUTTER PER STANDARD DRAWING 2415A.
- 4" DIAMETER DRAIN WITH 3"x3"x3" GRAVEL DRAIN POCKET WITH CLEAN GRAVEL, ASTM C33, NO. 57. LINE DRAIN POCKET WITH GEOTEXTILE FABRIC NMDOT CLASS 3. LOCATE UNDER VENT PIPE.
- SLOPE VAULT FLOOR TO DRAIN TYPICAL.
- CAST IN PLACE CONCRETE PIPE SUPPORT. SEE 1
- RECESSED LIFTING EYE, 4 REQUIRED. FLUSH WITH TOP OF CONCRETE LID.
- CONCRETE COLLAR PER STANDARD DRAWING 2461.
- ADJUSTMENT RINGS (IF NEEDED) PER STANDARD DRAWING 2460.
- UNISTRUT PIPE BRACKET TYPICAL FOR COMBINATION AIR VALVE VENT.
- REMOVE AND REPLACE SIDEWALK PER STANDARD DRAWING 2430.
- CONCRETE COLLAR WITH 2 #4 REBAR EACH WAY CENTERED. SEE 3
- TACK COAT.
- 1-1/4" STAINLESS STEEL THREADED EYEBOLT, CENTERED ON COMBINATION AIR VALVE ASSEMBLY, 1300 POUNDS LIFT CAPACITY.
- STATIONARY PIPE BOLLARD, SEE STANDARD DRAWING 2322.
- COORDINATE VENT PIPE ORIENTATION FOR EACH VAULT LOCATION DURING SHOP DWG SUBMITTAL.
- TEE BLIND FLANGE ON BRANCH WITH 1" OUTLET, 1" BRASS NIPPLE, 1" BALL VALVE AND CAP.
- AA. COMBINATION AIR VALVE ASSEMBLY, SIZE PER PLANS, 2" AND SMALLER CAV SST OR BRASS UNLESS OTHERWISE IDENTIFIED ON THE PLANS.
- BB. TAPPING SADDLE OR OUTLET ROMAC FTS419 OR APPROVED EQUAL.
- CC. GATE VALVE WITH HANDWHEEL SIZE THE SAME AS COMBINATION AIR AND VACUUM RELEASE VALVE.
- DD. 4" SCHEDULE 40 GALVANIZED STEEL PIPE FOR VAULT VENT. ROUTE TO BACK OF SIDEWALK. FIELD ADJUST DEPTH AND ROUTING TO AVOID EXISTING UTILITIES.
- EE. UNION TYPICAL, ALL AIR AND VACUUM RELEASE VALVES.
- FF. TEE, BALL VALVE, AND THREADED NIPPLE FOR HOSE, DRAIN, OR GAUGE CONNECTION.

NO.	DATE	REVISION NO. & DESCRIPTION	BY	SCALE:	DESIGN TRACKING
				1"=	DESIGNED BY: A ARNING/H ROJAS DATE: 12/17/21
				ATTENTION	DRAWN BY: J MESTEMACHER DATE: 12/17/21
				0 1/2" 1"	CHECKED BY: E FORD DATE: 12/17/21
				GRAPHIC SCALE	CROSS CHK'D BY: W CHRISTOFFERSON DATE: 12/17/21
				THIS BAR MEASURES 1" AT FULL SCALE (ANSI D)	APPROVED BY: J PETERSON DATE: 12/17/21
					MAPS/RECORDS INFO.

Jacobs
3721 RUTLEDGE RD NE, SUITE B-1
ALBUQUERQUE, NM 87109
505-884-5600

SUBMITTED BY:	AS BUILT INFORMATION
	CONTRACTOR --
	CONSTRUCTION BEGIN DATE --
	INSPECTOR'S ACCEPTANCE BY -- DATE --
	INSPECTOR'S NAME --
	SUBSTANTIAL COMPLETION DATE --
	DRAWINGS CORRECTED BY -- DATE --



ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY	
TITLE: RAW WATER TRANSMISSION PIPELINE TO INTEL CORPORATION BID PACKAGE NO.1 WESTSIDE BLVD	
CAV DETAIL - 2350	
WATER AUTHORITY CONSTRUCTION PROJECT NO. 2320.030XX	ZONE MAP NO.
SHEET DT-08	