

CONSTRUCTION PLANS FOR PROJECT LOCATION: QUAKER HEIGHTS SUBDIVISION

QUAKER HEIGHTS FIRE PROTECTION AND STORM DRAIN IMPROVEMENTS

PROJECT NUMBER 647108

SCALE: 1" = 500'

ZONE ATLAS MAP: F-11

PROJECT DESCRIPTION:
INFRASTRUCTURE IMPROVEMENTS RELATED
TO FIRE PROTECTION AND STORM DRAINAGE
IN THE QUAKER HEIGHTS SUBDIVISION.

AECOM

DRAWING TITLE SHEET COVER SHEET GENERAL NOTES SCHEDULE OF QUANTITIES SURVEY CONTROL AND CONSTRUCTION CENTERLINE PLAN TYPICAL SECTIONS JONES PL NW PLAN AND PROFILE STA 200+00 TO STA 209+00 TRAILS END ST NW PLAN AND PROFILE STA 209+00 TO STA 217+00 NORTHVIEW LN NW PLAN AND PROFILE STA 217+00 TO STA 222+50 11-12 STORM DRAIN MODIFICATIONS DETAILS MODIFIED GRATE DETAIL 14-16 TRACER WIRE DETAILS MODIFIED LINE RELOCATION DETAIL WATER SHUT OFF PLAN OVERALL UTILITY PLAN

ACCEPTED FOR REC. DWGS	
ABCWUA ENGINEER	DATE

									6501 ALB	ONE PARK AMERICAS SUITE UQUERQUE, (505) 855	PARKW 900 NM 8	AY N.E. 37110
EV.	SHEETS	CITY EN	IGINFFR	DAT	ΓF	USER DEPARTI	MENT	D	ATE	USER DEPA	RTMFNT	DATE
		& SIGNATURE				ENGINEER		DATE		****		
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	23908 PORESSIONAL E	'))	City Proje		lo.	47108			She	ty Engineer eet	Of	Date 19

GENERAL NOTES

- 1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE No. 9.
- 2. THE CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. NOR CONTINUE WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF THE COA CONSTRUCTION ENGINEER.
- 3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL PERFORM NECESSARY EXPLORATORY EXCAVATION TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR CONSTRUCTION SERVICES DIVISION IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT. NO SEPARATE PAYMENT WILL BE MADE.
- 4. AT LEAST SEVEN (7) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE CONSTRUCTION SERVICES DIVISION.
- 5. AT LEAST TWO (2) WORKING DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN AN EXCAVATION/BARRICADE PERMIT FROM THE CITY OF ALBUQUERQUE CONSTRUCTION SERVICES DIVISION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS AND SEE THE MAINTENANCE OF TRAFFIC GENERAL NOTES.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- 7. ALL APPLICABLE UTILITY WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH ABCWUA STANDARD SPECIFICATIONS FOR WATER AND WASTEWATER FACILITIES (MOST RECENT REVISIONS).
- 8. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY, WITHIN 24 HRS. COST OF GRAFFITI REMOVAL IS CONSIDERED INCIDENTAL.
- 9. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES SHALL BE CARRIED OUT IN ACCORDANCE WITH OHSA 29 CFR. 1926.650 SUBPART P.
- 10. THE CONTRACTOR SHALL ABIDE BY ALL LOCAL, STATE, AND FEDERAL LAWS, RULES AND REGULATIONS WHICH APPLY TO THE CONSTRUCTION OF THESE IMPROVEMENTS. IN ADDITION TO THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE, THE CONTRACTOR SHALL OBTAIN NECESSARY PERMITS AND PAY APPLICABLE FEES FROM THE COUNTY OF BERNALILLO FOR WORK WITHIN THEIR RIGHT-OF-WAY AND JURISDICTION.
- 11. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING 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 AND APPROVED BY THE CONSTRUCTION OBSERVER.
- 13. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 14. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR IN THE SAME LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- 15. ANY DAMAGE TO EXISTING PAVEMENT IDENTIFIED TO REMAIN, STRIPING OR SIGNAGE DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE, NO ADDITIONAL PAYMENT WILL BE MADE.
- 16. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
- 17. THE CONTRACTOR SHALL TEST SUBGRADE R-VALUE PRIOR TO CONSTRUCTION. IN THE EVENT THAT THE R-VALUE IS LESS THAN 50, REMOVE 2' OF SUBGRADE MATERIAL AND IMPORT MATERIAL WITH AN R-VALUE GREATER THAN 50 OR CONTACT THE ENGINEER IMMEDIATELY SO THAT THE PAVEMENT SECTION CAN BE MODIFIED.
- 18. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (i.e. BARRICADING, SURFACE DISTURBANCE).

ENVIRONMENTAL COMMITMENTS

1. IF BURIED CULTURAL MATERIALS ARE DISCOVERED DURING PROJECT ACTIVITIES, WORK SHALL CEASE IMMEDIATELY AND THE CITY OF ALBUQUERQUE AND THE NEW MEXICO STATE HISTORIC PRESERVATION OFFICER (SHPO) SHALL BE NOTIFIED.

PRODUCT OPTIONS AND SUBSTITUTIONS

"OR APPROVED EQUAL" IS ALWAYS IMPLIED AFTER A BRAND NAME, PATENTED PROCESS OR CATALOG NUMBER. THE CONTRACTOR MAY SUBSTITUTE ANY BRAND OR PROCESS APPROVED AS AN EQUAL BY THE SPECIFYING ENGINEER. THE ONLY EXCEPTION IS WHERE "NO SUBSTITUTION" IS SPECIFIED. SEE GENERAL PROVISION MATERIAL AND WORKMANSHIP."

GENERAL NOTES (CONTINUED)

- 19. THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS WHEN WORKING NEAR THEIR RESPECTIVE SYSTEMS. TWO (2) DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM 811 (260-1990) FOR LOCATION OF EXISTING UTILITIES AS REQUIRED BY LAW.
- 20. WHEN MATCHING NEW PAVING TO EXISTING PAVEMENT, THE CONTRACTOR SHALL NEAT SAW CUT THE EXISTING PAVING ON A RIGHT ANGLE OR AS DIRECTED BY THE CITY OF ALBUQUERQUE ENGINEER TO REMOVE ANY BROKEN, RAVELED, OR CRACKED PAVING. THE COST OF THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- 21. TYPICAL APPLICATION RATE FOR TACK COAT IS 0.10-0.30 GAL/SY. TYPICAL APPLICATION RATE FOR PRIME COAT IS 0.03-0.12 GAL/SY OR AS DETERMINED BY COA ENGINEER.
- 22. CONTRACTOR IS RESPONSIBLE FOR SUPPORTING ANY EXISTING UTILITIES EXPOSED DURING REQUIRED EXCAVATIONS.
- 23. ALL WATERLINE FITTINGS, WATER VALVES, AND SANITARY SEWER MANHOLE INSTALLATIONS SHALL INCLUDE PLACEMENT OF AN ELECTRONIC MARKING DEVICE (EMD), CONCRETE COLLAR, AND IF NEEDED A NEW RING AND COVER TO COMPLY WITH CURRENT COA STANDARD DETAIL DRAWINGS. THESE ITEMS ARE CONSIDERED INCIDENTAL TO THE ADJUSTMENT. PIPE SIZE AND DIRECTION WILL BE SHOWN ON THE CONCRETE COLLAR FOR ALL WATER VALVE ADJUSTMENTS.
- 24. ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- 25. PRIOR TO INITIATION OF WORK, THE CONTRACTOR SHALL DEVELOP AND SUBMIT A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND OBTAIN A NPDES PERMIT THROUGH THE STATE ENVIRONMENT DEPARTMENT. THE WORK OF PREPARING THE PERMIT APPLICATION AND OBTAINING THE NECESSARY APPROVALS WILL NOT BE MEASURED FOR PAYMENT, AND WILL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- 26. THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF 35-TON MAXIMUM, NON-VIBRATING ROLLER COMPACTION EQUIPMENT TO OBTAIN THE REQUIRED COMPACTION IN EMBANKMENT AND SUBGRADE AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE EXISTING UNDERGROUND UTILITIES OR ADJACENT STRUCTURES. (ENTIRE PROJECT)
- 27. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST COORDINATE WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT HTTP://WWW.ABCWUA.ORG/WATER_SHUT_OFF_AND_TURN_ON_PROCEEDURES.ASPX
- 28. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
- 29. THE CONTRACTOR SHALL MAKE A DIGITAL VIDEO RECORDING WHICH DOCUMENTS THE PRE-CONSTRUCTION CONDITION OF ALL ADJACENT STRUCTURES, PROPERTY WALLS AND FENCES, DRIVEWAYS, TREES, LANDSCAPING AND OTHER ADJACENT PROPERTY IMPROVEMENTS AND FEATURES WITHIN THE PROJECT LIMITS. PROVIDE THE DIGITAL FILE(S) IN .MP3, .MP4 OR .WMV OR OTHER FORMAT ACCEPTABLE TO THE CITY PROJECT MANAGER PRIOR TO BEGINNING ANY ONSITE PROJECT WORK. DIGITAL VIDEO RECORDING SHALL BE CONSIDERED AS INCIDENTAL TO PROJECT MOBILIZATION AND NO SEPARATE PAYMENT SHALL BE MADE.
- 30. ACCESS TO RESIDENCES AND BUSINESSES SHALL BE MAINTAINED DURING CONSTRUCTION. WHERE IT IS NECESSARY TO CLOSE OR BLOCK ACCESS TO A RESIDENCE OR BUSINESS TO CONSTRUCT THE IMPROVEMENTS, THE CONTRACTOR SHALL COORDINATE THE CLOSURE WITH THE PROPERTY OWNER OR RESIDENT AT LEAST TWO (2) DAYS PRIOR TO THE CLOSURE.
- 31. CONTRACTOR SHALL MAINTAIN AN UP-TO-DATE PLAN SET ON THE PROJECT SITE AT ALL TIMES DURING CONSTRUCTION OF THE IMPROVEMENTS. THE CONTRACTOR SHALL SUBMIT AS-BUILT PLANS TO THE CITY ENGINEER WITHIN FOURTEEN (14) DAYS OF PROJECT COMPLETION. ALL WORK SHALL BE INCLUDED IN BID ITEM NO. 4.02 - "CONSTRUCTION SURVEYING."
- 32. EXISTING RIGHT-OF-WAY LINE IS ASSUMED TO BE AT OUTSIDE BACK OF SIDEWALK OR AT OTHER OBVIOUS LINE OF OCCUPATION WHEN NO SIDEWALK IS PRESENT. CONTRACTOR SHALL LIMIT MATERIALS AND EQUIPMENT STORAGE TO WITHIN THE RIGHT-OF-WAY. MATERIALS AND EQUIPMENT STORED WITHIN THE RIGHT-OF-WAY SHALL SHALL BE SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. CONTRACTOR SHALL SUBMIT A SHIELDING PLAN TO CONSTRUCTION SERVICES PRIOR TO CONSTRUCTION. COST OF PLAN DEVELOPMENT IS INCIDENTAL TO THE PROJECT, NO SEPARATE PAYMENT WILL BE MADE

EXISTING SANITARY SEWER MANHOLE

EXISTING STORM DRAIN MANHOLE

UTILITY LEGEND

₩ATER METER

Q FIRE HYDRANT

₩ WATER VALVE

— ugtx—— ugtx—— EXISTING UNDERGROUND TELEPHONE

—— Gx —— GX —— EXISTING UNDERGROUND GAS

—— w —— w —— NFW WATER LINE

SYMBOLS & ABBREVIATIONS

POINT OF VERTICAL INTERSECTION

D	DELTA, INCLUDED ANGLE	ΡI	DOINT OF INTERCECTION
,	FOOT/FEET	PGL	POINT OF INTERSECTION PROFILE GRADE LINE
,,	·	PRC	POINT OF REVERSE CURVE
~	INCH/INCHES	PT	POINT OF TANGENCY
%	PERCENT	PVC	POINT OF VERTICAL CURVATURE
AC	ASPHALT CONCRETE	PVI	POINT OF VERTICAL INTERSECTION
	AMERICANS WITH DISABILITIES ACT	PVT	POINT OF VERTICAL TANGENCY
AVE		R	RADIUS
BLVD BOC		RCP	REINFORCED CONCRETE PIPE
BOP		RD	ROAD
	CLEARANCE DISTANCE	RT	RIGHT
	CITY OF ALBUQUERQUE	R/W	
DWG	DRAWING	SPIII	SUPERPAVE III
	EASTING	STA	
	ELEVATION	ST	
EOP	END OF PROJECT	ZID	STANDARD
	EXCLUDE	TC	
	FACE TO FACE		TOP OF GRATE
FL		W.	WIDTH
FLNG		**	Will III
FM			
	FOOT/FEET		
FOC			
FSW			
HI PT INCLD	HIGH POINT INCLUDE		
INCLD	INVERT		
K	RATE OF VERTICAL CURVATURE		
LN	LANE		
	LENGTH		
LT	LEFT		
LO PT	LOW POINT		
MH	MANHOLE		
MJ	MECHANICAL JOINT		
N	NORTHING		
N/A	NOT APPLICABLE		
POB	POINT OF BEGINNING		
PC	POINT OF CURVATURE		

PORTLAND CEMENT CONCRETE

PIPE END SECTION

POINT OF ENDING

POE

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		FIELD NOTES		COA CONTROL STATION 15_F11 LOCATED 0.38 MILES WEST OF	CONTRACTOR	
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SAMES				WESTERN TRAIL NW AND ATRISCO DRIVE NW. BENCH MARK IS	S BY	
L. B.				A 1 3/4" METALLIC DISC, STAMPED "ACS BM, 15-F11", EPOXIED	FIELD VERIFICATION BY D	
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	Ву						
	Remarks	REVISIONS	DESIGN	Date	Date	Date	

UTILITY OWNER POINTS OF CONTACT

TIM CYNOVA, 505-289-3040 ABCWUA: PNM: PAUL DUNAGAN, 505-241-3629 NM GAS CO: JENNIFER DeGREEFF, 505-798-3396 COMCAST: MIKE MORTUS, 505-761-6252/505-269-4006

CENTURY LINK: ABDUL BHUIYAN, 505-767-7443

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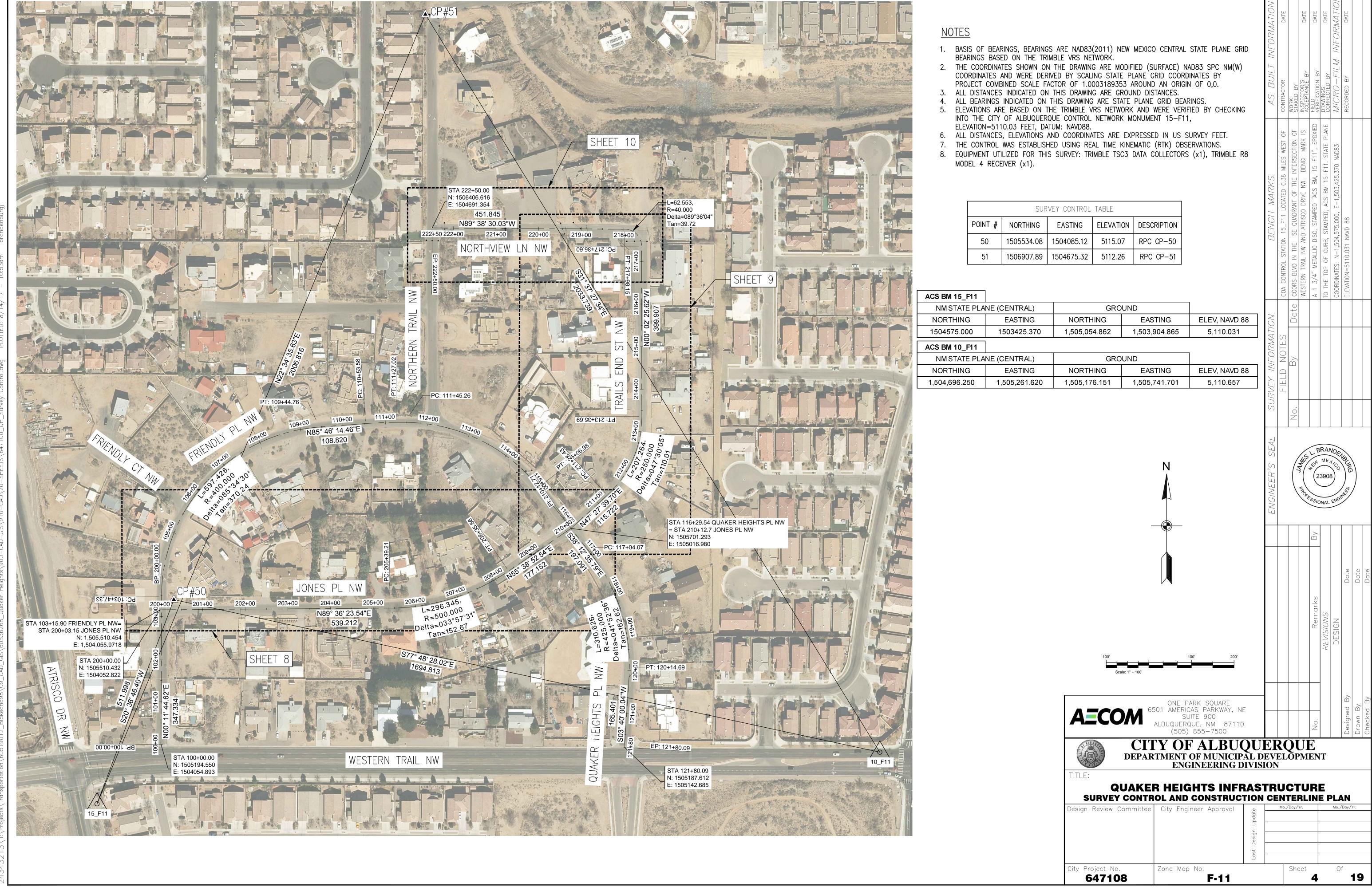
	GENERAL NOT	ES		
Design Review Committee	City Engineer Approval	ast Design Update	Mo./Day/Yr.	Mo./Day/Yr.

QUAKER HEIGHTS INFRASTRUCTURE

Zone Map No. ity Project No. Sheet 19 647108 2 F-11

ITEM	DESCRIPTION	UNIT	PROJECT	TOTAL
NO.			ESTIMATE	FINAL
004.020	Construction Surveying	LS	1	
006.050	Mobilization	LS	1	
019.010	Traffic Control and Barricading	LS	1	
	Construction Project Signs	ALOW	2	
	Utility Relocation Allowance	ALOW	1	
207.010	Lean Fill, cip.	CY	1.50	
301.020	Subgrade Prep. 12" at 95% compaction, cip.	SY	3100	
302.015	Aggregate Base Course, crushed, 4" at 95% compaction, cip. SD 2408	SY	3100	
336.010	Prime Coat, emulsified asphalt, cip.	SY	3100	
336.022	Asphalt Concrete, 2 inch thick, superpave	SY	6350	
336.120	Tack Coat, cationic emulsified asphalt, cip.	SY	3100	
343.020	Existing Pavement, Asphalt Concrete, up to 4" thick, sawcut, remove, & dispose, compl.	SY	3100	
701.100	Trenching, Backfilling, & Compaction, for 18" to 36" sewer pipe, up to 8' in depth, pipe not incl., compl.	LF	110	
801.002	6" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	LF	39	
801.003	8" Waterline Pipe excl. fittings, (std. spec. sec. 801), incl. trench & compacted backfill to 6' depth, cip.	LF	2211	
801.050	Extra Trench Depth for 4" to 14" waterlines over 6' in depth, incl. compacted backfill, compl.	VF-LF	80	
801.059	Non-pressurized Connection, existing waterline, all sizes, incl. fittings, compl.	EA	3	
801.065	Ductile Iron Mechanical Joint Fittings, Class 250, 4"-14", Including Jointing Material, Complete	LB	2170	
801.081	6" Gate Valve, cip. SD 2333	EA	4	
801.082	8" Gate Valve, cip. SD 2333	EA	3	
801.113	Fire Hydrant, 4' bury, MJ, incl. blocking & aggregate, cip. SD 2340	EA	4	
910.010	24" Reinforced Concrete Pipe, Class IV, furnish & place in open trench, cip.	LF	90	
915.050	Catch Basin, Type "D", Single Grate, cip. SD 2206	EA	4	
920.070	Manhole, 4' dia., Type "C" or "E", 6' to 10' deep, cip. SD 2101	EA	1	
1005.320	Gravel mulch 2"-4" canyon gold, including filter fabric, complete in place	SY	93	
001.600	Videotaping and Vibration Monitoring	LS	1	

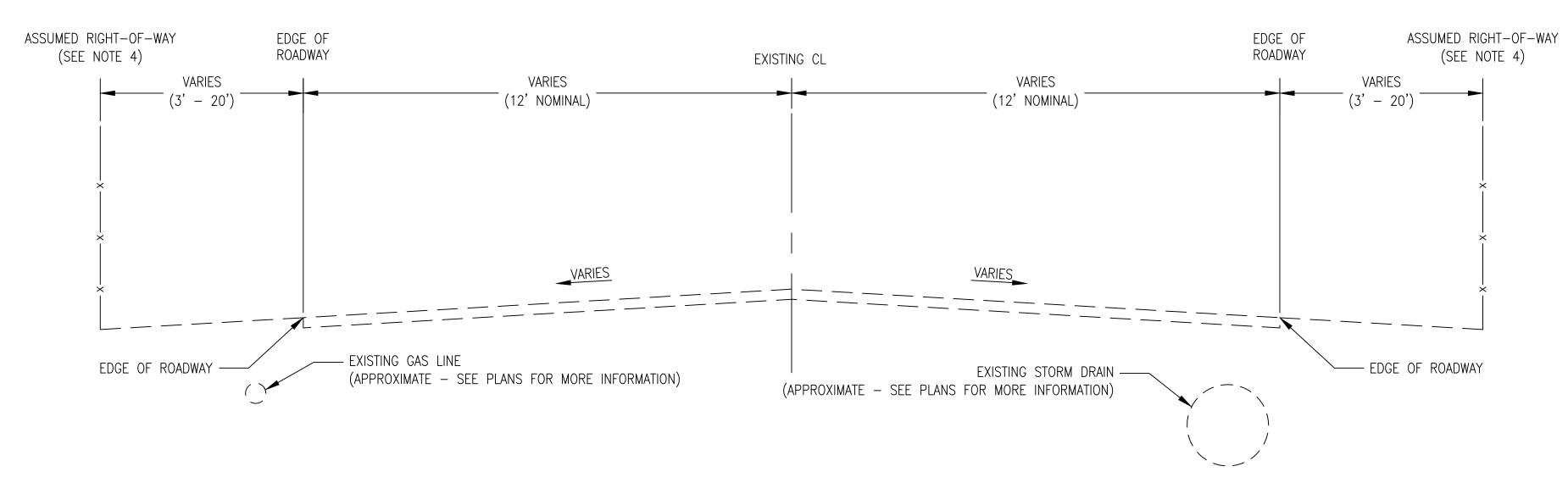
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	Project No. 647108	Zone Map No.	Last Design		She	eet	3		0-		19)



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TYPICAL SECTION - FRIENDLY PL NW

LOOKING NORTH/EAST (FOR INFORMATION ONLY)



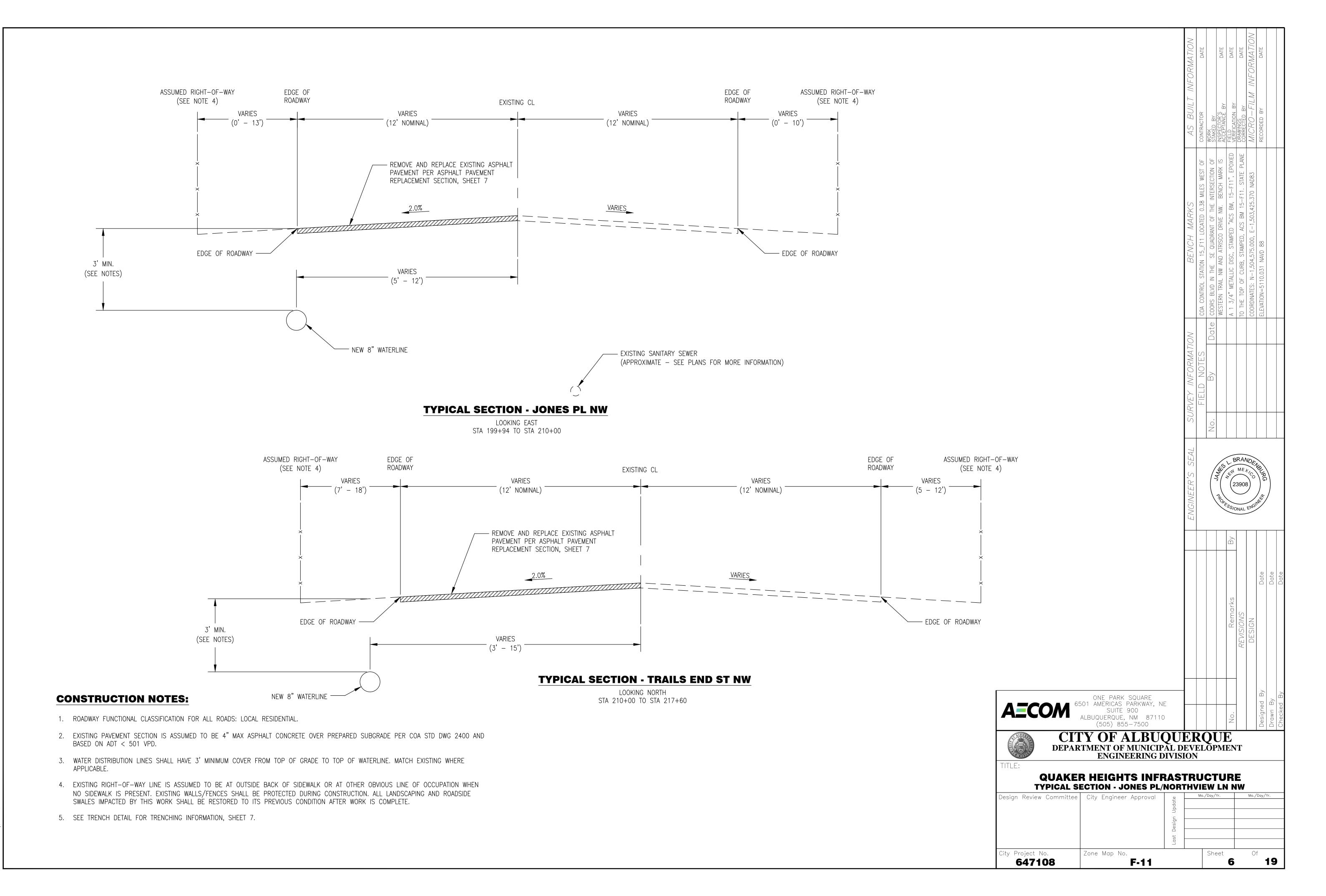
CONSTRUCTION NOTES:

- 1. ROADWAY FUNCTIONAL CLASSIFICATION FOR ALL ROADS: LOCAL RESIDENTIAL.
- 2. EXISTING PAVEMENT SECTION IS ASSUMED TO BE 4" MAX ASPHALT CONCRETE OVER PREPARED SUBGRADE PER COA STD DWG 2400 AND BASED ON ADT < 501 VPD.
- 3. WATER DISTRIBUTION LINES SHALL HAVE 3' MINIMUM COVER FROM TOP OF GRADE TO TOP OF WATERLINE. MATCH EXISTING WHERE APPLICABLE.
- 4. EXISTING RIGHT-OF-WAY LINE IS ASSUMED TO BE AT OUTSIDE BACK OF SIDEWALK OR AT OTHER OBVIOUS LINE OF OCCUPATION WHEN NO SIDEWALK IS PRESENT. EXISTING WALLS/FENCES SHALL BE PROTECTED DURING CONSTRUCTION. ALL LANDSCAPING AND ROADSIDE SWALES IMPACTED BY THIS WORK SHALL BE RESTORED TO ITS PREVIOUS CONDITION AFTER WORK IS COMPLETE.
- 5. SEE TRENCH DETAIL FOR TRENCHING INFORMATION, SHEET 7.

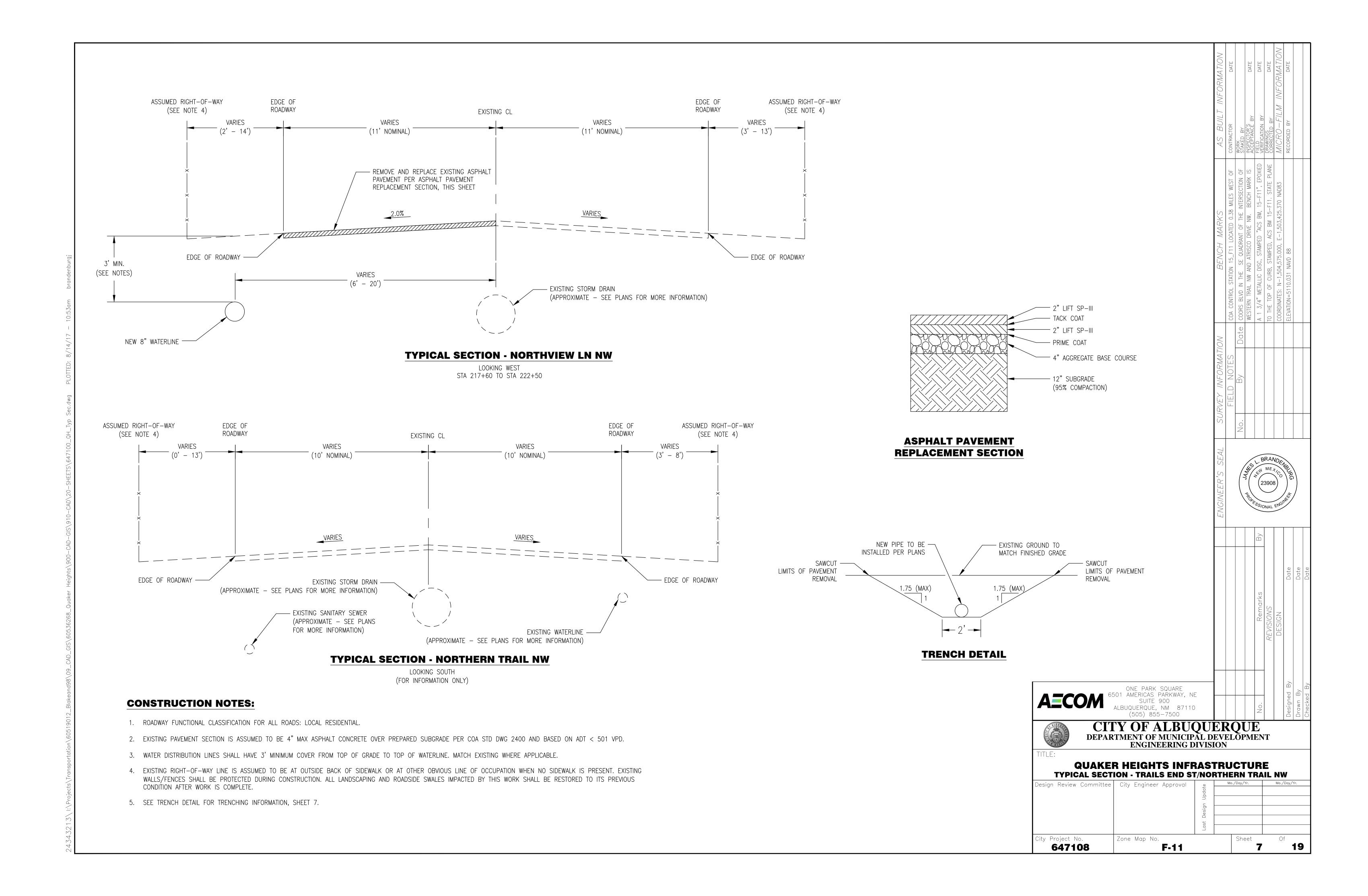
TYPICAL SECTION - QUAKER HEIGHTS PL NW

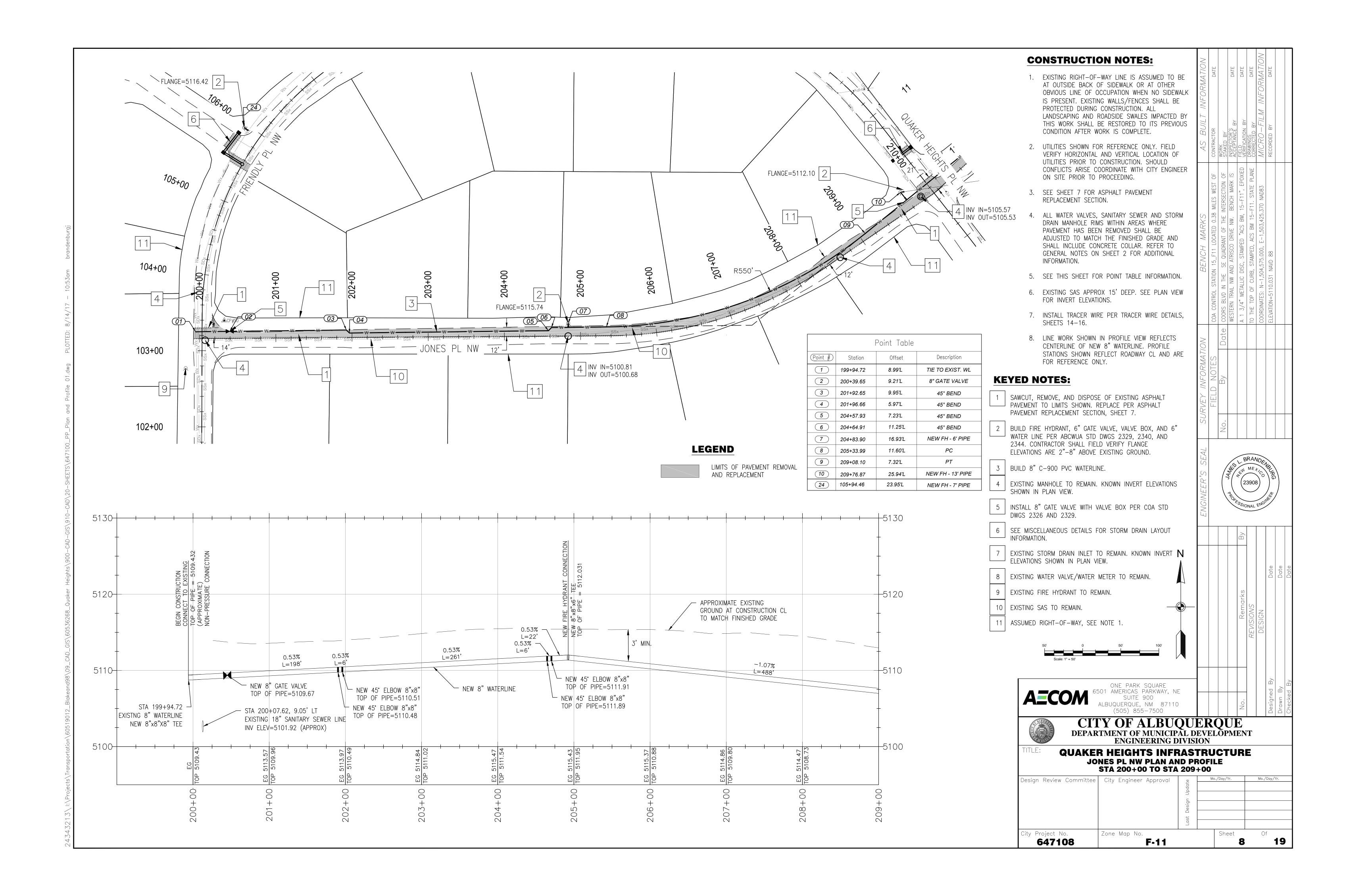
LOOKING SOUTHEAST/SOUTH (FOR INFORMATION ONLY)

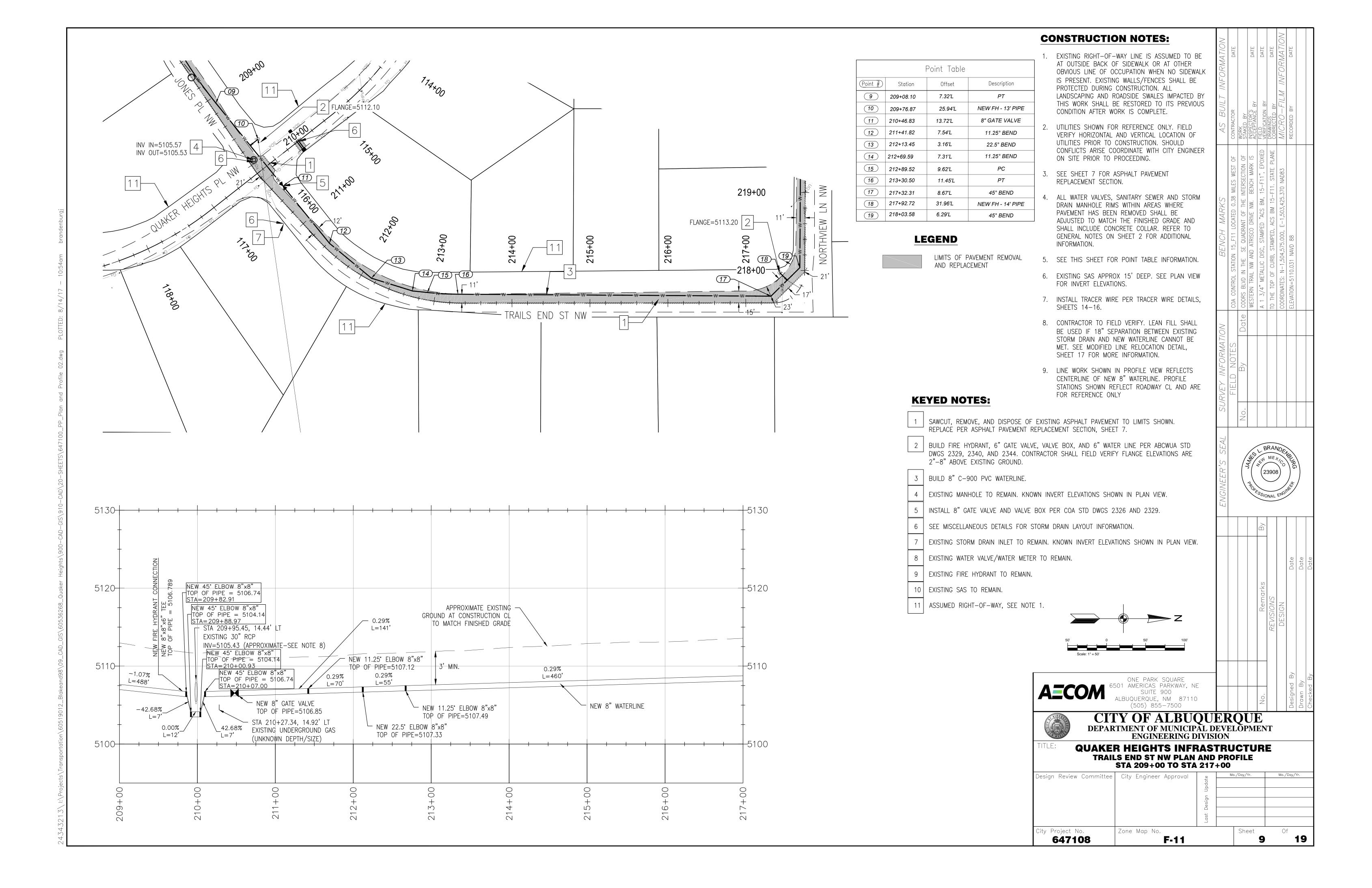
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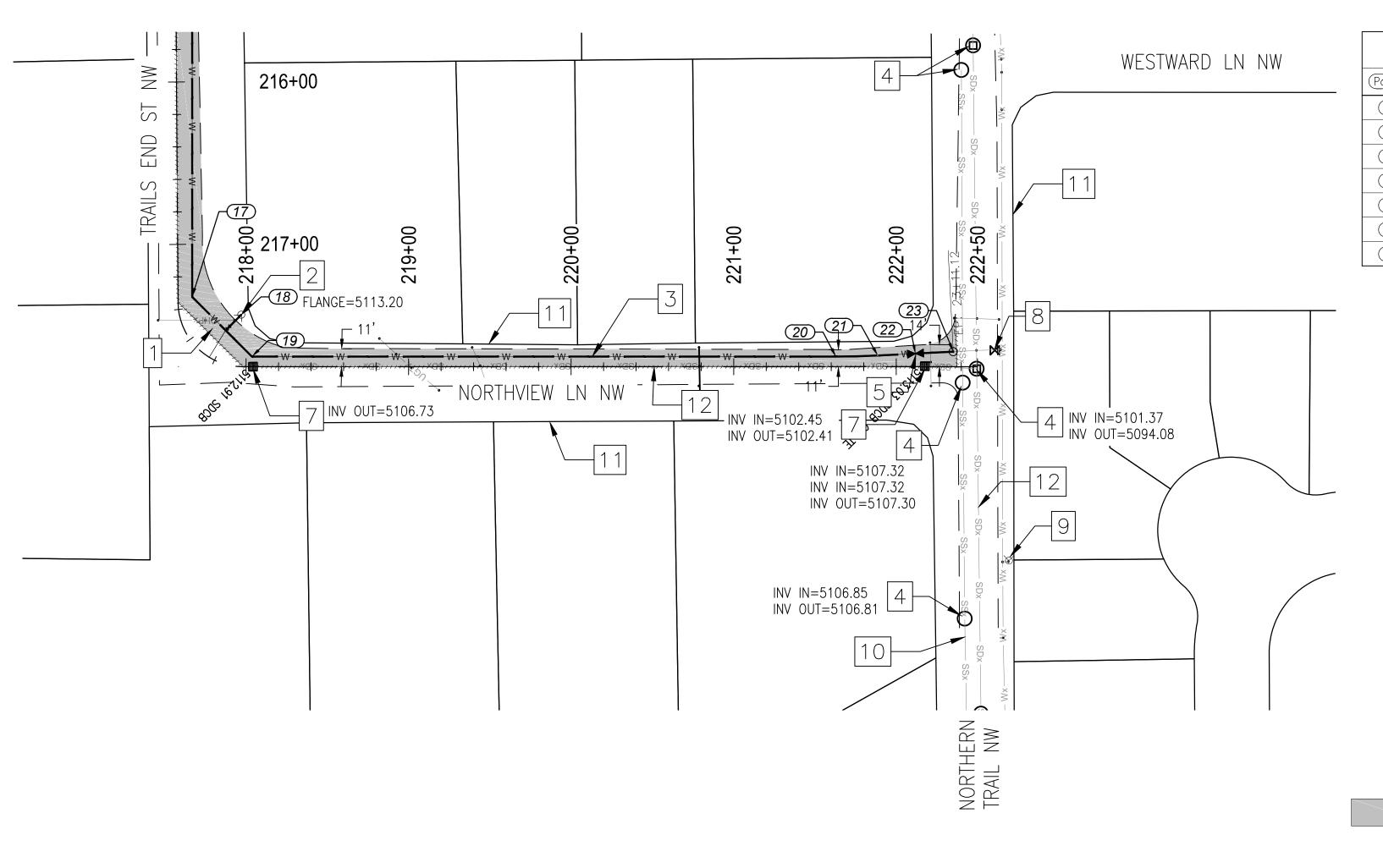


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Point #	Station	Offset	Description
17	217+32.31	8.67'L	45° BEND
18	217+92.72	31.96'L	NEW FH - 14' PIPE
19	218+03.58	6.29'L	45° BEND
20	221+62.87	6.26′L	PC
21	221+88.64	6.92'L	PT
22	222+11.87	8.12'L	8" GATE VALVE
23	222+35.11	9.31′L	TIE TO EXIST. WL

LEGEND

LIMITS OF PAVEMENT REMOVAL AND REPLACEMENT

CONSTRUCTION NOTES:

- 1. EXISTING RIGHT-OF-WAY LINE IS ASSUMED TO BE AT OUTSIDE BACK OF SIDEWALK OR AT OTHER OBVIOUS LINE OF OCCUPATION WHEN NO SIDEWALK IS PRESENT. EXISTING WALLS/FENCES SHALL BE PROTECTED DURING CONSTRUCTION. ALL LANDSCAPING AND ROADSIDE SWALES IMPACTED BY THIS WORK SHALL BE RESTORED TO ITS PREVIOUS CONDITION AFTER WORK IS COMPLETE.
- 2. UTILITIES SHOWN FOR REFERENCE ONLY. FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF UTILITIES PRIOR TO CONSTRUCTION. SHOULD CONFLICTS ARISE COORDINATE WITH CITY ENGINEER ON SITE PRIOR TO PROCEEDING.
- 3. SEE SHEET 7 FOR ASPHALT PAVEMENT REPLACEMENT SECTION.
- 4. ALL WATER VALVES, SANITARY SEWER AND STORM DRAIN MANHOLE RIMS WITHIN AREAS WHERE PAVEMENT HAS BEEN REMOVED SHALL BE ADJUSTED TO MATCH THE FINISHED GRADE AND SHALL INCLUDE CONCRETE COLLAR. REFER TO GENERAL NOTES ON SHEET 2 FOR ADDITIONAL INFORMATION.
- 5. SEE THIS SHEET FOR POINT TABLE INFORMATION.
- 6. EXISTING SAS APPROX 15' DEEP. SEE PLAN VIEW FOR INVERT ELEVATIONS.
- 7. INSTALL TRACER WIRE PER TRACER WIRE DETAILS, SHEETS 14-16.
- 8. LINE WORK SHOWN IN PROFILE VIEW REFLECTS CENTERLINE OF NEW 8" WATERLINE. PROFILE STATIONS SHOWN REFLECT ROADWAY CL AND ARE FOR REFERENCE ONLY.

KEYED NOTES:

- SAWCUT, REMOVE, AND DISPOSE OF EXISTING ASPHALT PAVEMENT TO LIMITS SHOWN. REPLACE PER ASPHALT PAVEMENT REPLACEMENT SECTION, SHEET 7.
- 2 BUILD FIRE HYDRANT, 6" GATE VALVE, VALVE BOX, AND 6" WATER LINE PER ABCWUA STD DWGS 2329, 2340, AND 2344. CONTRACTOR SHALL FIELD VERIFY FLANGE ELEVATIONS ARE 2"-8" ABOVE EXISTING GROUND.
- 3 BUILD 8" C-900 PVC WATERLINE.
- 4 EXISTING MANHOLE TO REMAIN. KNOWN INVERT ELEVATIONS SHOWN IN PLAN VIEW.
- 5 | INSTALL 8" GATE VALVE AND VALVE BOX PER COA STD DWGS 2326 AND 2329.
- 6 SEE MISCELLANEOUS DETAILS FOR STORM DRAIN LAYOUT INFORMATION.
- 7 EXISTING STORM DRAIN INLET TO REMAIN. KNOWN INVERT ELEVATIONS SHOWN IN PLAN VIEW.
- 8 EXISTING WATER VALVE/WATER METER TO REMAIN.
- 9 EXISTING FIRE HYDRANT TO REMAIN.
- 10 EXISTING SAS TO REMAIN.
- 11 ASSUMED RIGHT-OF-WAY, SEE NOTE 1.
- 12 EXISTING STORM DRAIN TO REMAIN.

ONE PARK SQUARE
6501 AMERICAS PARKWAY, NE
SUITE 900
ALBUQUERQUE, NM 87110 (505) 855-7500

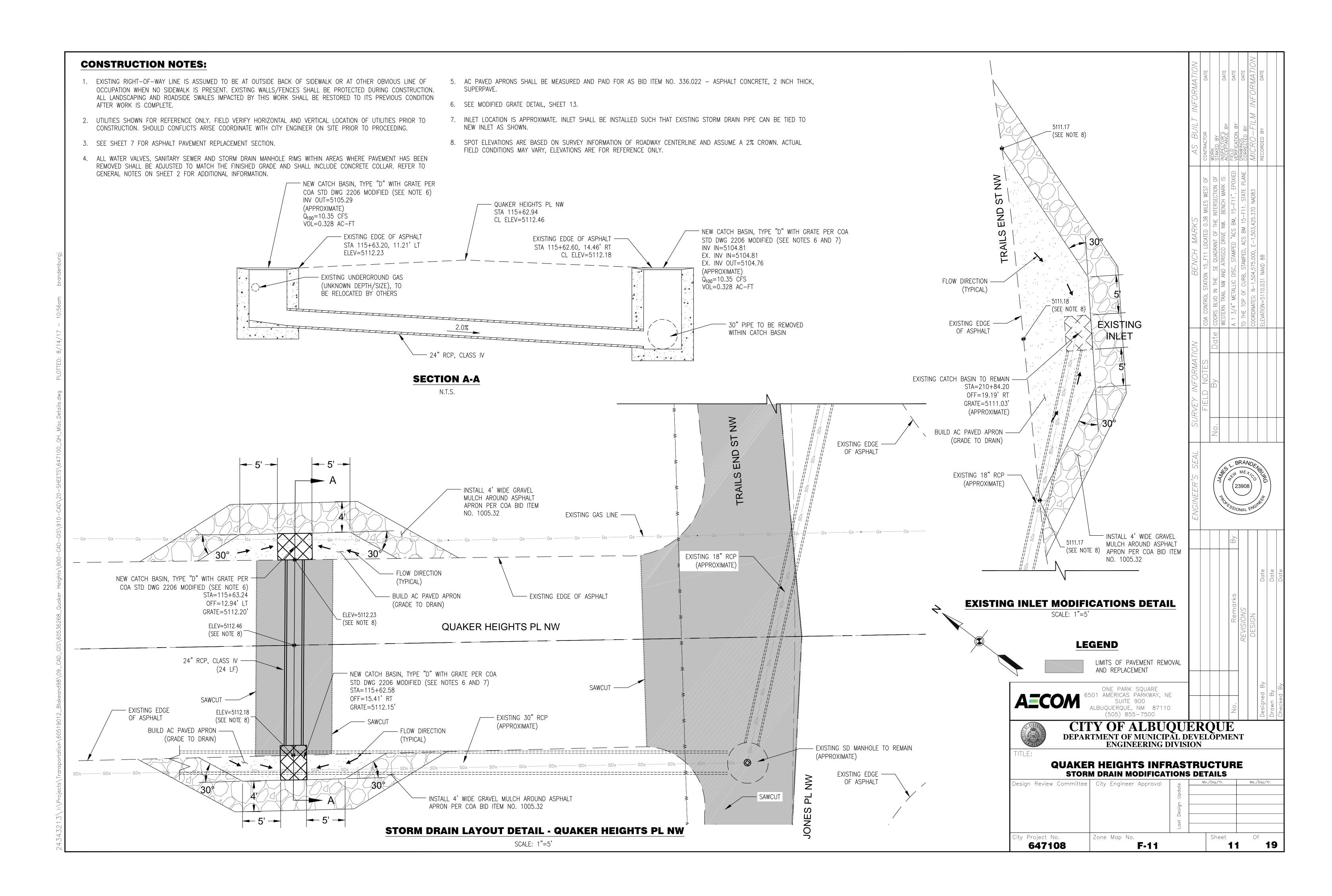


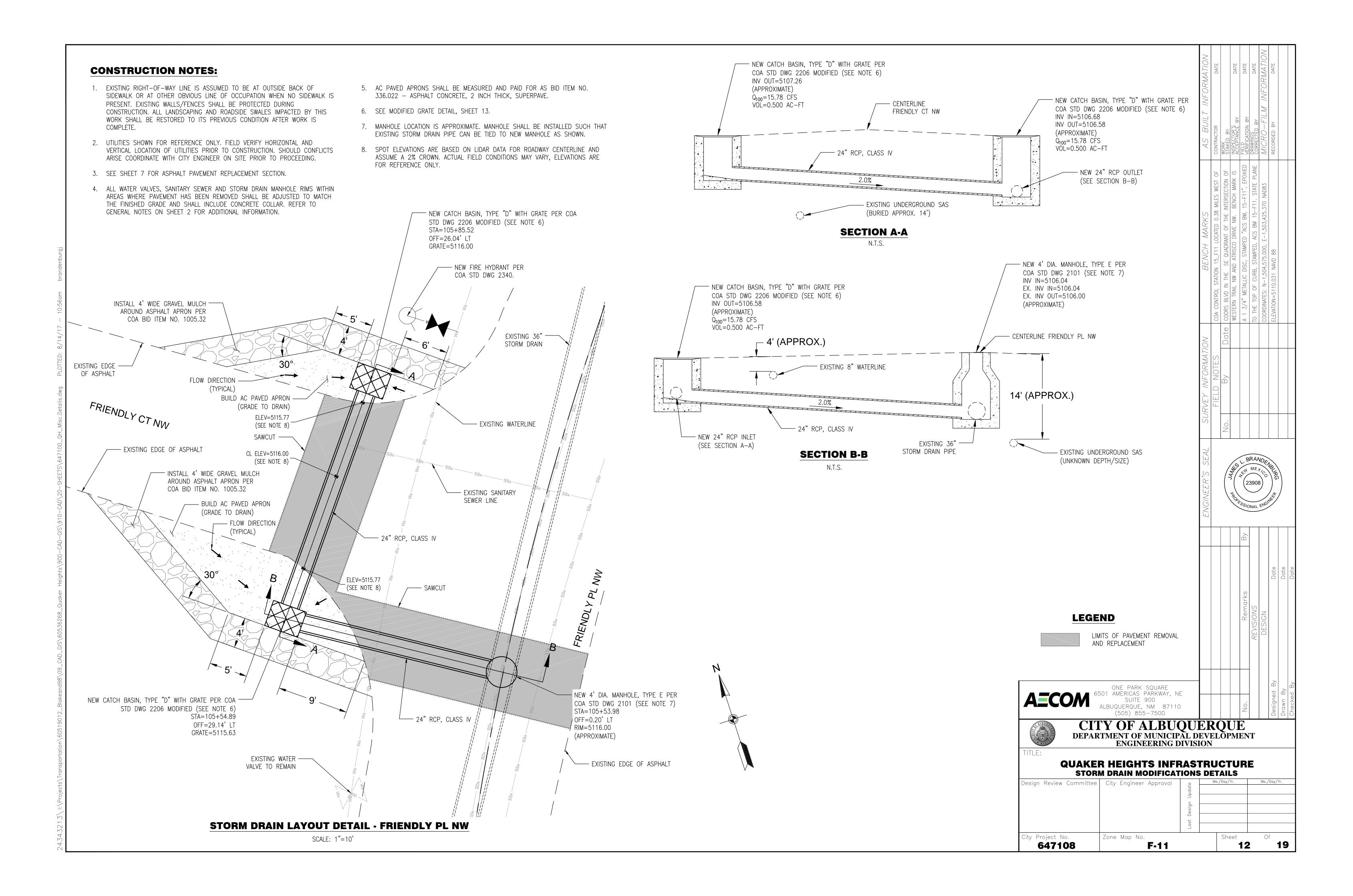
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION

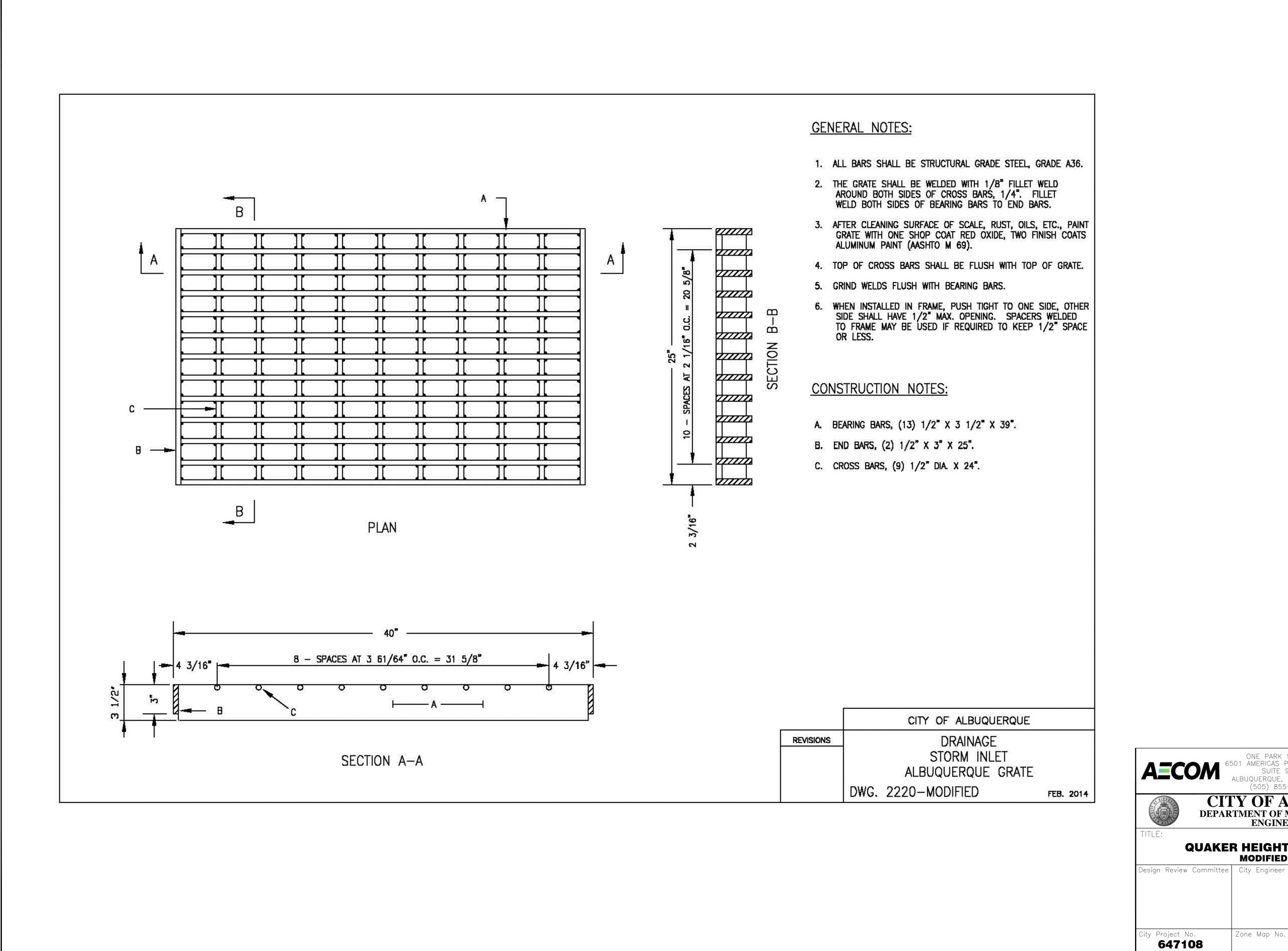
QUAKER HEIGHTS INFRASTRUCTURE NORTHVIEW LN NW PLAN AND PROFILE STA 217+00 TO STA 222+50

647108	F-11		10	19
City Project No.	Zone Map No.		Sheet	Of
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		Update		
Design Review Committe	ee City Engineer Approvo	l e	Mo./Day/Yr.	Mo./Day/Yr.

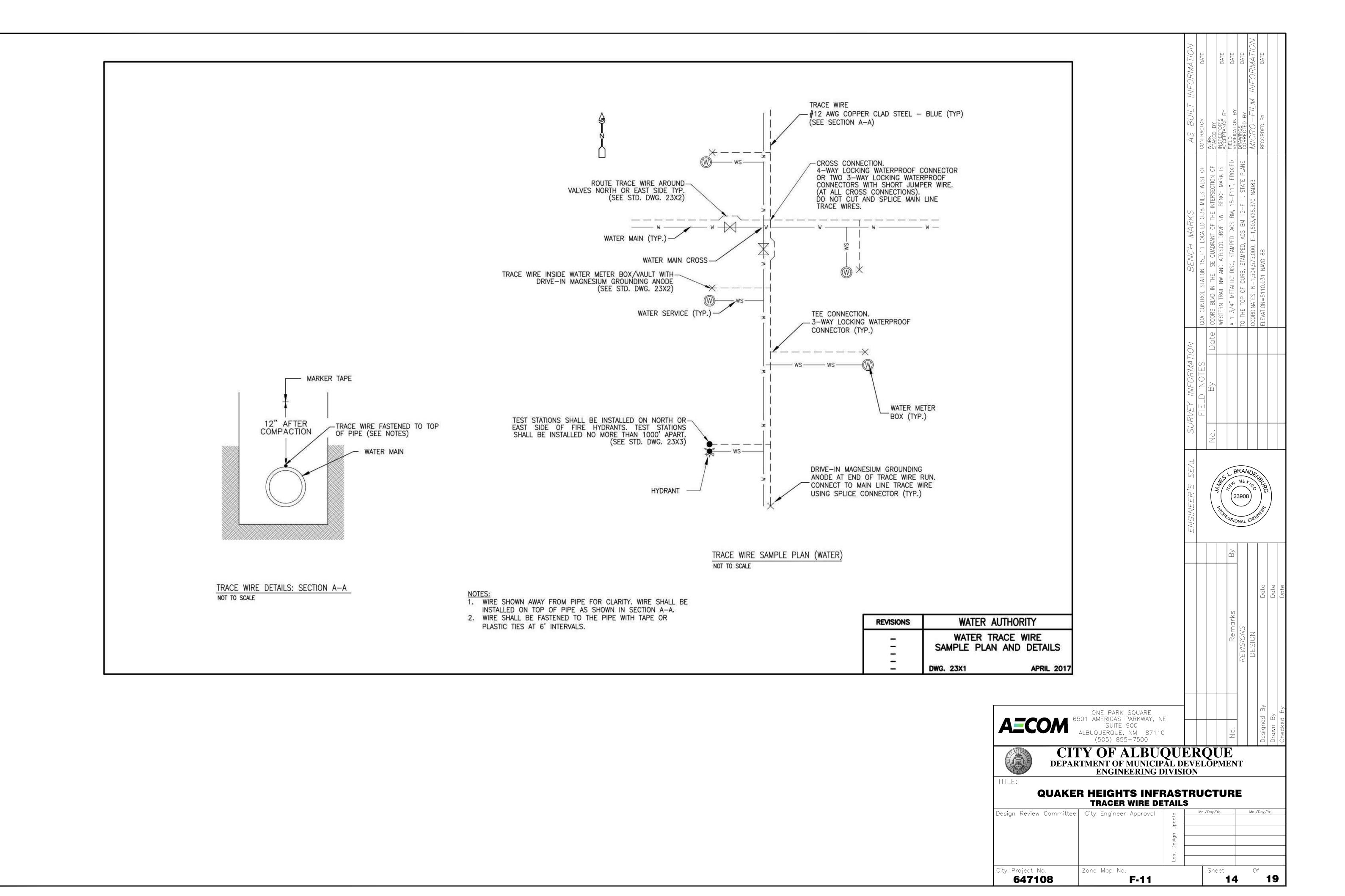
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5120	HYDRANT CONNECTION	3.x6" TEE 5108	/ AT CONS	IMATE EXISTING GROUND STRUCTION CL TO FINISHED GRADE		CONNECT TO EXISTING TOP OF PIPE = 5110.000 (APPROXIMATE) NON-PRESSURE CONNECTION END CONSTRUCTION	- - - - 5120
5110	0.29% L=460' 0.29% L=52'	M	EXISTING UNDERGROU	d' LT NDTELEPHONE	NEW 8" GATE VALVE TOP OF PIPE=5109.94 EXISTNG 8" WATERLINE NEW 8"x8"X8" TEE		- -5110 - -
5100		ELBOW 8"x8" IPE=5108.84	(UNKNOWN DEPTH/SIZ	<u> </u>			5100
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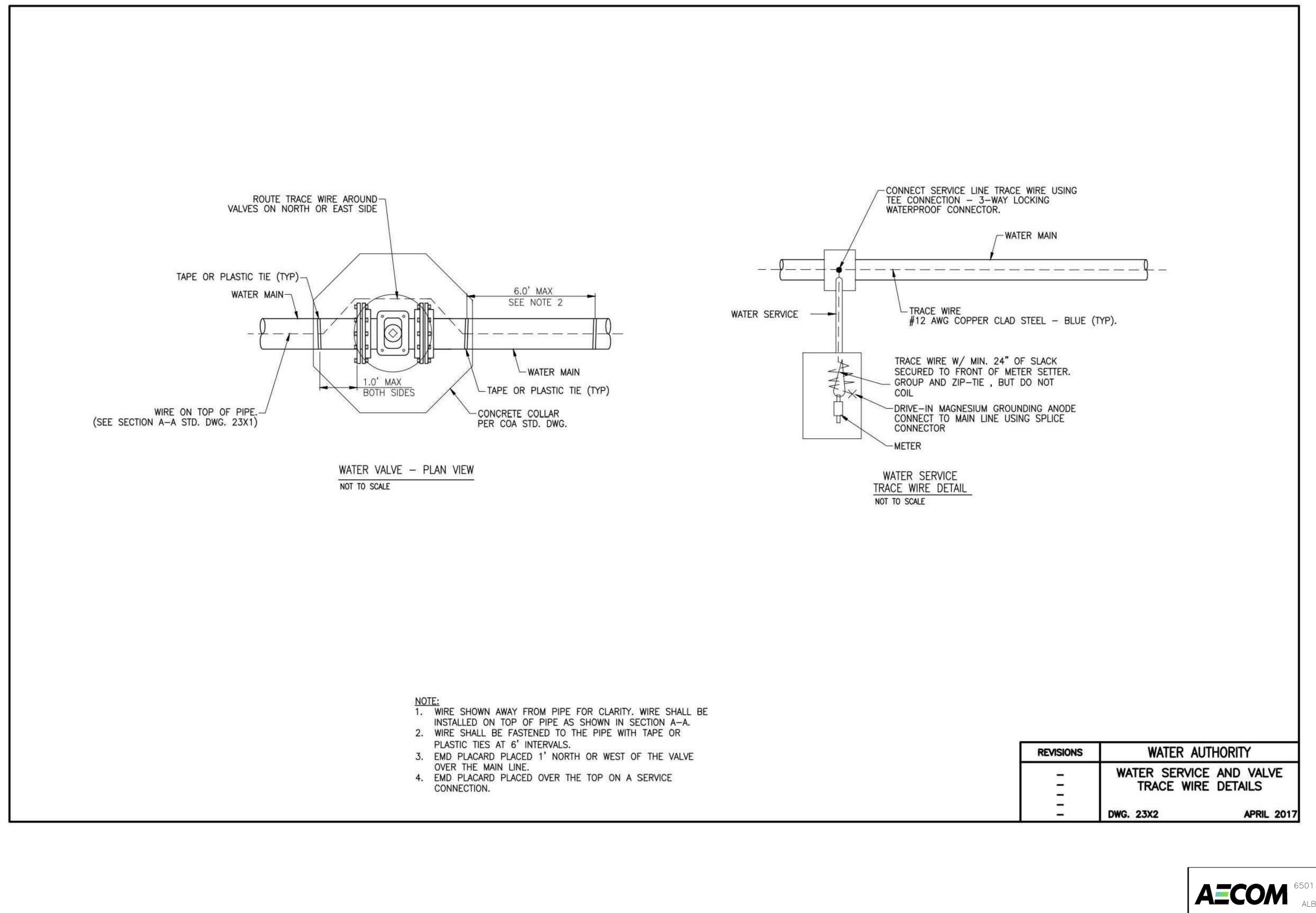


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M 65	ONE PARK SQUARE 501 AMERICAS PARKWAY, NE SUITE 900 ALBUQUERQUE, NM 87110						No.			Designed By	Drawn By	Checked By
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				COA CONTRO	COORS	WESTERN TR	A 1 3/4" M	TO THE TOP	COORDINATES	ELEVATION=5		
			BENCH MARKS	COA CONTROL STATION 15_F11 LOCATED 0.38 MILES WEST	BLVD IN THE SE QUADRANT OF	WESTERN TRAIL NW AND ATRISCO DRIVE NW.	3/4" METALLIC DISC, STAMPED "ACS	OF CURB, STAMPED, ACS BM	COORDINATES: N-1,504,575.000, E-1,5	ELEVATION=5110.031 NAVD 88		
			IRKS	ED 0.38 MILES WEST OF	OF THE INTERSECTION OF	E NW. BENCH MARK IS	CS BM, 15-F11", EPOXIED	BM 15-F11. STATE PLANE	E-1,503,425.370 NAD83			
			AS BUILT II	CONTRACTOR	WORK STAKED BY	INSPECTOR'S ACCEPTANCE BY) FIELD VERIFICATION BY	DRAWINGS CORRECTED BY	MICRO-FIL	RECORDED BY		



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AECOM

ONE PARK SQUARE
SUITE 900
ALBUQUERQUE, NM 87110
(505) 855-7500

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

TITLE:

QUAKER HEIGHTS INFRASTRUCTURE
TRACER WIRE DETAILS

Design Review Committee City Engineer Approval

Output

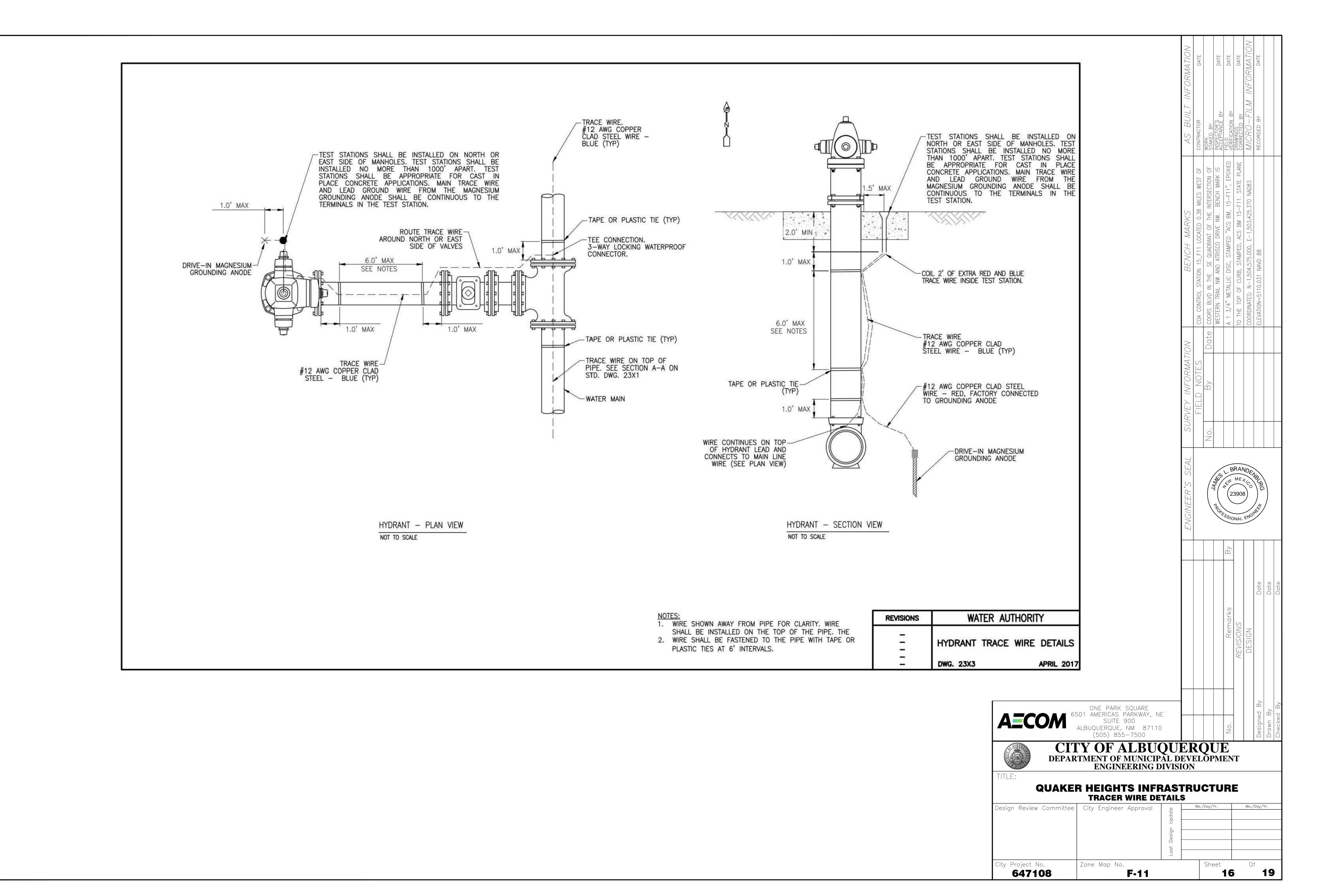
City Project No.
647108

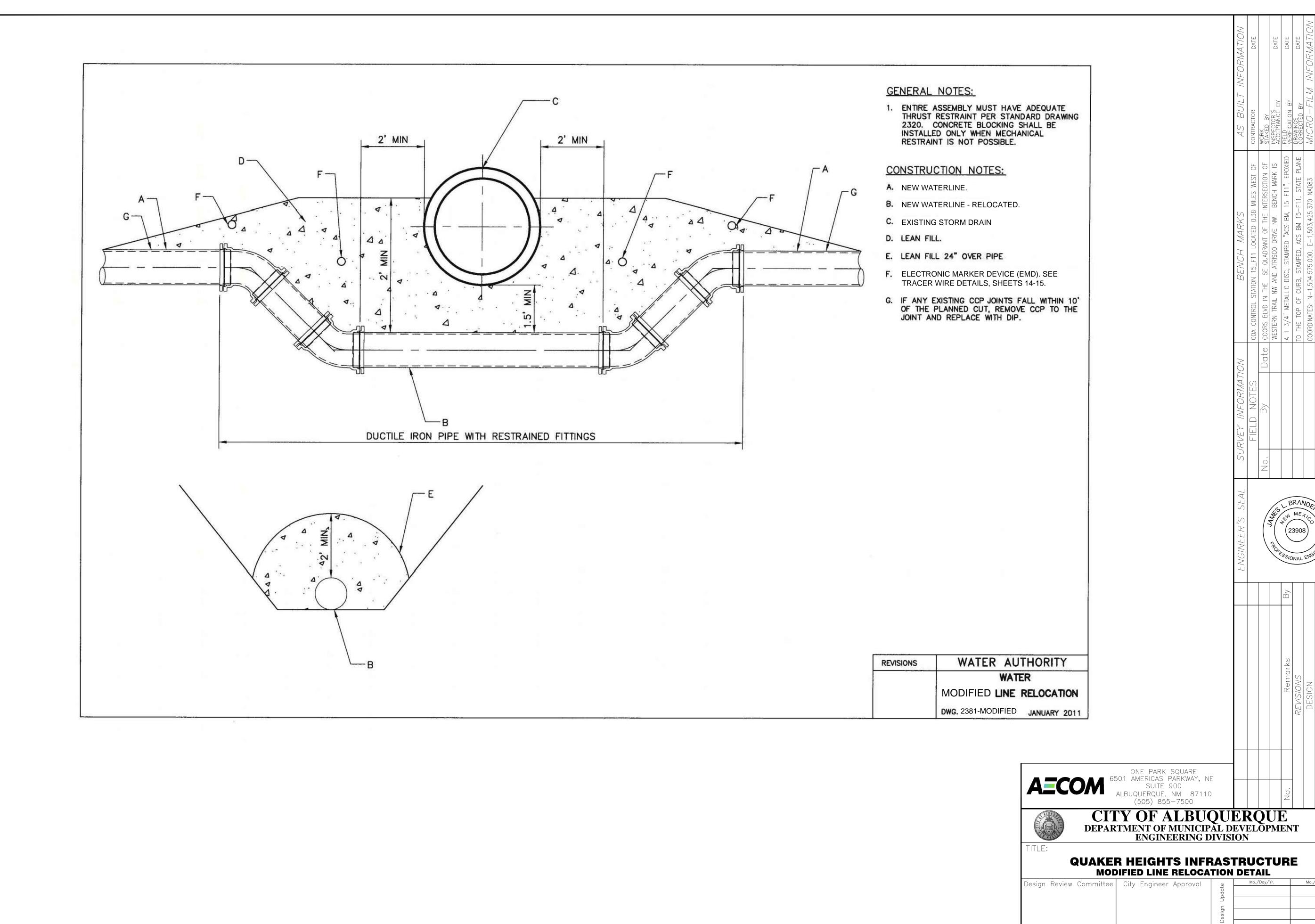
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F-11

Sheet

Of
15

19





Zone Map No.

F-11

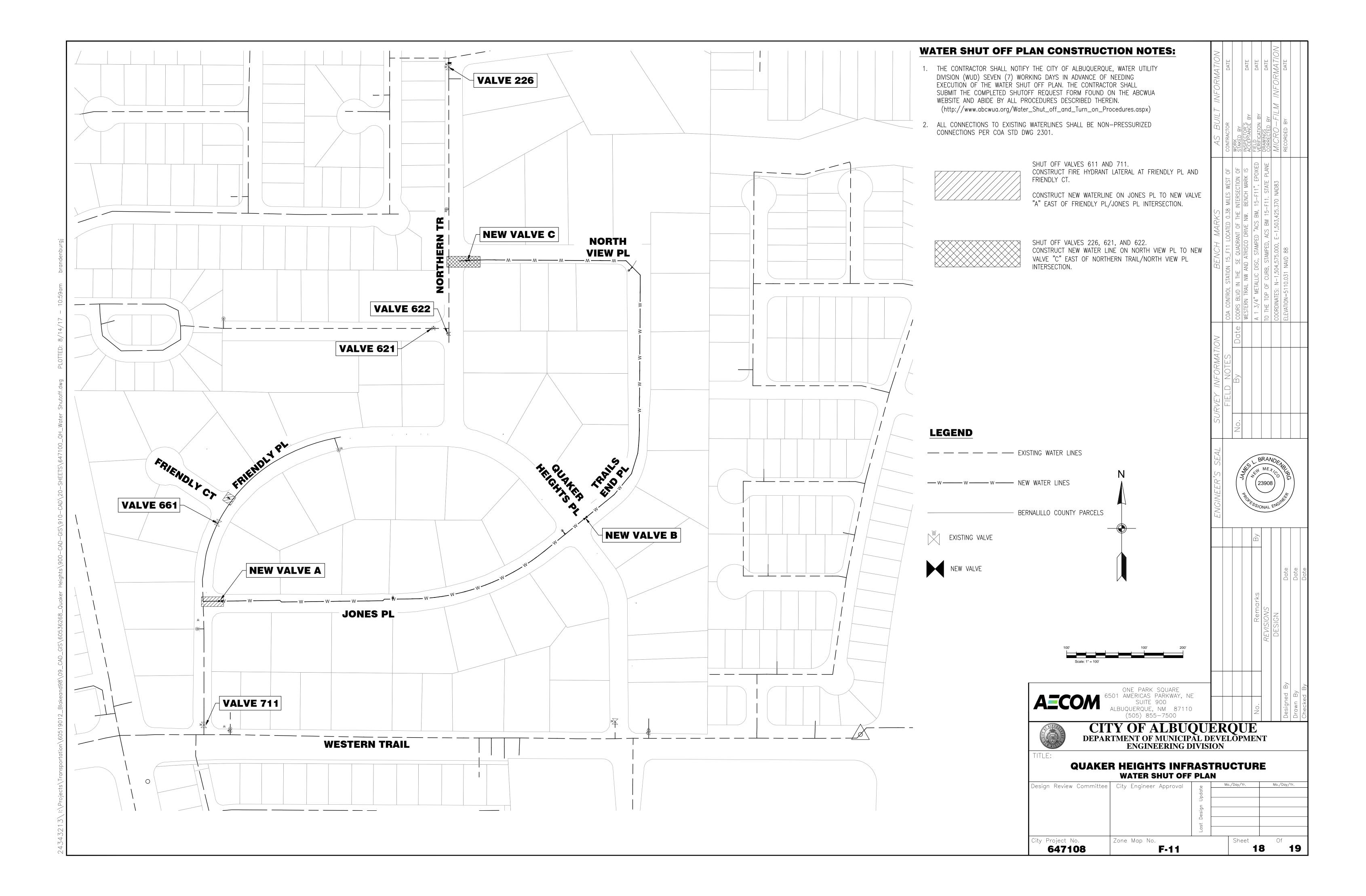
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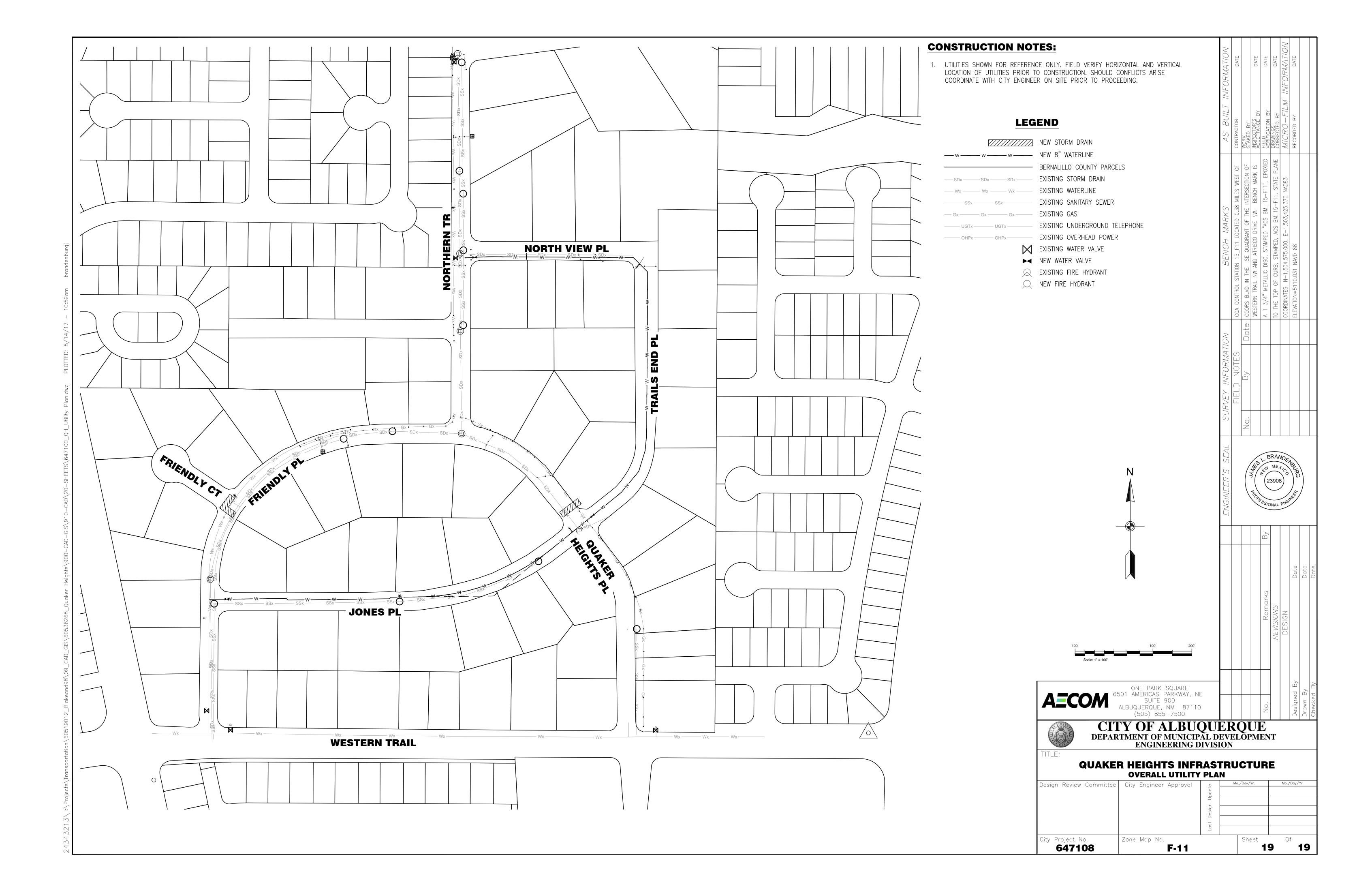
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City Project No.

647108

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Bergstrasser, Adam C.

From: Michalski, Eric

Sent: Friday, May 11, 2018 2:17 PM

To: Bergstrasser, Adam C.

Cc: Romero, Ron

Subject: RE: Quaker Heights Storm Drain Proposal (COA 647108)

Adam,

This fee proposal is approved and the activity number to be used is **7547180**. Let me know if you have any questions.

Thanks,

Eric Michalski / Project Manager DMD – Engineering 505-768-3503 emichalski (@cabq.gov

From: Bergstrasser, Adam C.

Sent: Friday, May 11, 2018 2:05 PM

To: Michalski, Eric < emichalski@cabq.gov cc: Romero, Ron < emichalski@cabq.gov >

Subject: RE: Quaker Heights Storm Drain Proposal (COA 647108)

Hi Eric, any updates on this?

Thanks,

Adam

From: Bergstrasser, Adam C.

Sent: Friday, April 27, 2018 3:28 PM

To: Michalski, Eric Cc: Romero, Ron

Subject: FW: Quaker Heights Storm Drain Proposal (COA 647108)

Hi Eric,

A proposal and cost summary are attached for your review. If it looks acceptable, please provide an activity number for \$86,848.69.

Thanks,

Adam

From: Romero, Ron

Sent: Friday, April 27, 2018 3:22 PM

To: Bergstrasser, Adam C.

Subject: RE: Quaker Heights Storm Drain Proposal (COA 647108)

Please proceed. Thanks.

From: Bergstrasser, Adam C.

Sent: Friday, April 27, 2018 3:17 PM **To:** Romero, Ron <<u>ronromero@cabq.gov</u>>

Subject: FW: Quaker Heights Storm Drain Proposal (COA 647108)

Ron, this proposal for Eric looks reasonable.

Adam C. Bergstrasser

Construction Project Manager City of Albuquerque DMD/Construction Services office: 505-924-3671

cell: 505-203-7525 abergstrasser@cabq.gov

From: Jonathan Smith [mailto:Jon.Smith@feinm.com]

Sent: Tuesday, April 24, 2018 9:43 AM

To: Bergstrasser, Adam C.

Cc: Gus Harbaugh; Pat Bowen; Sanjay Khurana **Subject:** Quaker Heights Storm Drain Proposal

Good Morning Adam,

Please see the attached proposal for Quaker Heights Storm Drain. Please review and let me know if you have any questions.

Thanks,

Jon Smith

Franklin's Earthmoving Inc.

Main: 505-884-6947 Cell: 505-377-4836

This message has been analyzed by Deep Discovery Email Inspector.