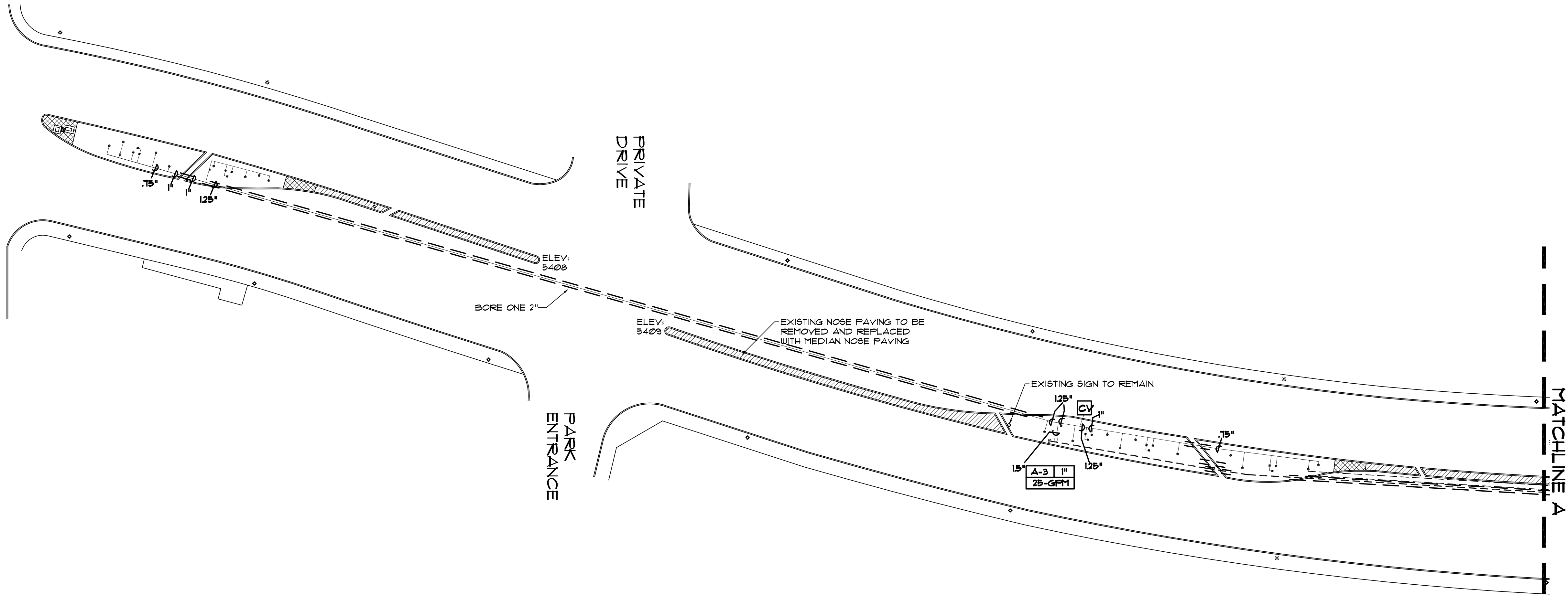


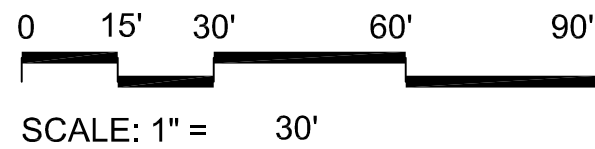
EASTERDAY
BEGINNING OF CONSTRUCTION



IRRIGATION LEGEND			
	WATER METER SIZE: 2".		
	MAIN LINE SLEEVE PIPING 4" CLASS 200		
	24-VOLT IRRIGATION WIRE SLEEVE PIPING, 2".		
	IRRIGATION CONSTANT PRESSURE MAINLINE, PVC SCH. 40, SIZE 2". INSTALL PER COA STANDARD DRAWING 2363. DEPTH OF BURY 28". ALL RUNS SHALL BE TRUE TO LINE.		
	2" SCH 40 IRRIGATION MAIN LINE, SOLVENT WELD PVC PIPE SIZE PER PLAN. DEPTH OF BURY 28" FOR CONTINUOUS PRESSURE IRRIGATION MAIN AND 18" FOR NON-CONTINUOUS. ALL RUNS SHALL BE TRUE TO LINE.		
	LATERAL PIPING: SCH. 40, BELL END, SOLVENT WELD PVC. DEPTH OF BURY, 18". PIPE CONVEYING LESS THAN 5 GPM SHALL BE 3/4".		
	1" CRISPIN AIR RELIEF VALVE, MODEL # AL10. INSTALL PER COA DRAWING 2105 (SIMILAR - CONSTRUCTION NOTE B SHALL BE REVISED TO READ: 1130 VALVE BOX WITH BOLT DOWN COVER). NOTE: AIR RELIEF VALVES ARE SHOWN SCHEMATICALLY ON THE PLAN AT HIGH POINTS IN ELEVATION. CONTRACTOR SHALL SURVEY FINAL LOCATIONS OF ALL AIR RELIEF VALVES PRIOR TO INSTALLATION TO ENSURE THAT THEY ARE AT ACTUAL HIGH POINTS.		
	MAINLINE ISOLATION VALVE WITH UNIONS. SAME SIZE AS MAIN LINE. SEE COA DETAIL DWG. 2106		
	BACKFLOW PREVENTER, MASTER VALVE, AND FLOW METER ASSEMBLY, FEBCO 840-U 2" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER WITH RAIN BIRD 200 FEB PLASTIC BODY 24-VOLT MASTER VALVE IN HOT ROCK MODEL 16HR2 HEATED AND INSULATED BACKFLOW ENCLOSURE. WATER FLOW METER SHALL BE A MASTER METER SIZE 2" IN VALVE BOX. CONNECT MASTER VALVE AND FLOW METER TO CONTROLLER PER MANUFACTURERS RECOMMENDATION PER COA DETAIL 2101		
	REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD FEB SERIES WITH PLASTIC BODY 24-VOLT AUTOMATIC VALVE WITH MANUAL ACTIVATION SIZE AS SHOWN ON PLAN. INSTALL PER COA DRAWING # 2103.		
	WATTS 25AUB-Z3 2" PRESSURE REGULATOR IN CARSON BROOKS 1130 VALVE BOX		
	SOLVENT WELD CAP, SCH. 40 PVC, LINE SIZE.		
	PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAINBIRD 1400 SERIES, AS FOLLOWS: SEE COA DWG. 2110 AND 2111 AND DETAILS B/36 AND C/36.		
	MODEL NO.	GPM	PSI
	1401	25	30
	1402	50	30
	1404	10	30
			REFERENCE C.O.A. DETAIL
			REFERENCE C.O.A. DETAIL
			REFERENCE C.O.A. DETAIL
	IRRIGATION CONTROLLER MOTOROLA IRRINET M-SERIES MODEL IRA-HRU-OT-05 12-STATION CONTROLLER WITH UHF RADIO. INSTALL CONTROLLER IN STRONGBOX UL STAINLESS STEEL LOCKING DOOR ENCLOSURE (POWDERCOAT PAINT COLOR TAN). INSTALL GROUNDING RODS AT CONTROLLER CONTRACTOR SHALL TEST GROUNDING OF CONTROLLER PER MANUFACTURER'S SPECIFICATIONS AND SHALL PROVIDE TEST RESULTS IN WRITING TO THE OWNER. CONTROLLER CABINET SHALL BE INSTALLED SO THAT DOOR OPENS AWAY FROM THE TRAFFIC SIDE.		
	8PEARS 15120 TRUE UNION SPRING LOADED CHECK VALVE IN 1130 VALVE BOX		
	QUAZITE ELECTRICAL PULL BOX		
	120 VOLT ELECTRICAL TO CONTROLLER LOCATION		

FRICTION LOSS CALCULATIONS	
IRRIGATION COMPONENT # 25 GPM TO VALVE "A-3"	
WATER METER: 2" CITY WATER METER (SENSUS 8R SERIES)	2.00 PSI
SERVICE LINE TO BACKFLOW PREVENTER: 41' OF 2" SCH 40 PVC (.52 psi/100') 211 PSI	21.00 PSI
BACKFLOW DEVICE: FEBCO 2" RP	12.0 PSI
FLOW METER: 2" MASTER METER INTERMEDIATE MULTINET	4.00 PSI
MASTER VALVE: RAINBIRD 2" FEB SERIES (2 psi @ 25 gpm)	2.0 PSI
MAINLINE PIPE: 2182' OF 2" SCH 40 PVC (.52 psi/100') @ 25 gpm	4.5 PSI
ZONE VALVE: RAINBIRD 1" FEB SERIES (4.25 psi @ 25 gpm)	4.25 PSI
LATERAL PIPE FRICTION LOSS: (ESTIMATE 4.0 psi)	4.00 PSI
ELEVATION: 5440 (DOWNHILL SLOPE TO VALVE "A-3")	+ 13.4 PSI
PRESSURE LOSS:	-31.92 PSI
EXPECTED WATER PRESSURE:	123.00 PSI
EXPECTED BUBBLER OPERATING PRESSURE:	104.48 PSI

CONTROLLER A



CITY OF ALBUQUERQUE CAPITAL IMPLEMENTATION PROGRAM DEPARTMENT OF MUNICIPAL DEVELOPMENT			
PROTOTYPE MEDIAN AND INTERSTATE LANDSCAPES FY-11A LOMAS BOULEVARD: EASTERDAY TO EUBANK (WORK ORDER #6)			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 772305	Zone Map No. J-20, K-20	Sheet 1 OF 2	

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ARCHITECTURAL SEAL		REVISIONS		REMARKS	
CONTRACTOR				NO.	BY						
WORKED BY: SEQUOIA LANDSCAPING	DATE: 10-24-12										
INSPECTED BY: ROBERT RAMIREZ	DATE: 10-25-12										
ACCEPTANCE BY: ROBERT RAMIREZ	DATE: 10-25-12										
VERIFIED BY: ROBERT RAMIREZ	DATE: 10-25-12										
DRAWINGS BY: SEQUOIA LANDSCAPING	DATE: 12-3-12										
CHECKED BY: SEQUOIA LANDSCAPING	DATE: 12-3-12										
RECORDED BY	DATE										
NO.											

SEQUOIA LANDSCAPING
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