



GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.

EXISTING LEGEND:

PIPELINE VENT	TELE. PED.	TRAFFIC CONTROL BOX	LIST OF ABBREVIATIONS
GAS METER	ELEC. PEDESTAL	ROAD SIGN	U/G - UNDERGROUND
SIGNAL LIGHT	WATER VALVE	ELECTRIC MANHOLE CONC.	RET. - RETAINING
PIPELINE MRKR	POWER POLE	GROUND LIGHT	APPROX. - APPROXIMATE
MAIL BOX	PULL BOX	GAS VALVE	SAW. - SANITARY
BUSH	FIRE HYDRANT	TEL. U.G. MRKR.	ASPH. - ASPHALT
CURB INLET	TREE	ELEC. MANHOLE	TYP. - TYPICAL
W/ M.H. COVER	STM. SEW. M.H.	STOCKADE FCE	BLDG. - BUILDING
SAN. SEW. M.H.	GUARD POST	BARB WIRE FCE	PED. - PEDESTAL
GUY WIRE	TV PED	CHAIN LINK FCE	PLTR. - PLANTER
CLEAN OUT	LIGHT POLE	WATER METER	G/R - GAS REGULATOR
FLAG POLE	MONITOR WELL	WATER METER	G/L - GROUND LIGHT
ELEC. TRANS	STORM SEWER	TRASH CAN	TRANS. - TRANSFORMER
FIBER OPTIC	UNDERGROUND COMMUNICATION	SANITARY SEWER	F.F. - FINISHED FLOOR
UNDERGROUND TANK ACCESS	HANDICAP	WATER LINE	C - CENTER LINE
CONCRETE	WATER HYDRANT	IRON GRATE	R.O.W - RIGHT-OF-WAY
TRAFFIC DIRECTION	AUTO SPRINKLER	FIRE RISER	FCE - FENCE
TR - TOP OF RIM	FL - FLOW LINE		BIA. - DIAMETER

PROPOSED LEGEND:

PROPERTY LINE	PROPOSED CURB & GUTTER
PROPOSED CONTOUR	PROPOSED HDPE STORM PIPE.
DRAINAGE BASIN BOUNDARY	
DRAINAGE BASIN ID	DRAINAGE BASIN AREA (ACRE)
1.90	10-YR STORMWATER RUNOFF
4.08	100-YR STORMWATER RUNOFF
6.76	

STORMWATER RUNOFF CALCULATIONS

BASIN ID	PRECIPITATION ZONE	OVERALL AREA (ac)	Tc (min)	10-YR STORM C*	10-YR STORM I (in/hr)	10-YR STORM Q (cfs)	100-YR STORM C*	100-YR STORM I (in/hr)	100-YR STORM Q (cfs)
A	1	0.24	12	0.59	3.14	0.44	0.69	4.7	0.77
GRASS (TREATMENT B)		0.12		0.24			0.43		
PAVED (TREATMENT D)		0.12		0.92			0.93		
B	1	1.29	12	0.72	3.14	2.92	0.78	4.7	4.75
GRASS (TREATMENT B)		0.38		0.24			0.43		
PAVED (TREATMENT D)		0.91		0.92			0.93		
C	1	0.01	12	0.92	3.14	0.03	0.93	4.7	0.04
GRASS (TREATMENT B)		0.00		0.24			0.43		
PAVED (TREATMENT D)		0.01		0.92			0.93		
Total		1.54				3.39			5.56

*DENOTES RUNOFF COEFFICIENT PER CITY OF ALBUQUERQUE DPM, TABLE A-11 RATIONAL METHOD COEFFICIENT, C
WATER QUALITY VOLUME: 0.44*XTOTAL BASIN AREA= 2,463 Cu. Ft.

RUNOFF VOLUME CALCULATIONS (100-YR, 6-HR VOLUME)

BASIN ID	PRECIPITATION ZONE	OVERALL AREA (CF)	E*	RUNOFF VOLUME, V360 (CF)
A	1	67,175	1.55	8,683
GRASS (TREATMENT B)		21,845	0.67	
PAVED (TREATMENT D)		45,330	1.97	

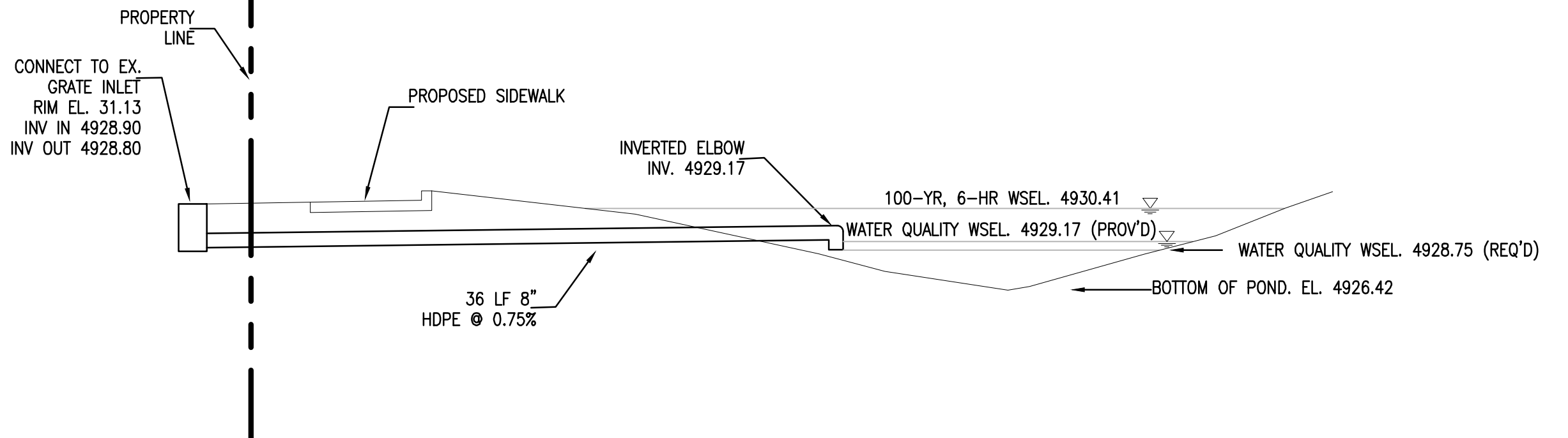
*DENOTES EXCESS PRECIPITATION, E PER CITY OF ALBUQUERQUE DPM, TABLE A-8

Water Quality/ Detention Pond Volume

Elevation	Area (SF)	A1+A2+sq(A1*A2)	Volume (CF)	Volume Sum (CF)
4926.42	0.00	0.00	0.00	0
4927.00	403.00	403.00	77.91	78
4928.00	1,386.00	2,536.37	845.46	923
4929.00	2,813.00	6,173.54	2,057.85	2,981
4929.17	3,165.00	8,961.81	507.84	3,489
4930.00	4,608.00	11,591.94	3,207.10	6,696
4930.51	5,148.00	14,626.52	2,486.51	9,183

Water Quality Volume Required: 2,463.00 Cu. Ft.
Water Quality Volume Provided: 3,489.00 Cu. Ft.
Water Quality Water Surface Elevation: 4,929.17
100-Yr, 6-Hr Runoff Volume: 8,683.00 Cu. Ft.
Total Detention Volume Provided: 9,183.00 Cu. Ft.

FOR BID ONLY



SECTION A-A
N.T.S.