

[illegible]

3. **Delivery System Diagram:** Indicate all major components and distances between components. Indicate weir size/ditch size/pipe I.d. as applicable

System consist of 6 zones 14 heads/zone
POPUP TYPE.

Scale: 1" = _____

____ Copy of USGS Quadrangle Attached Showing location(s) of point(s) of diversion and place(s) of use (required)

____ Aerial Photo Attached (required for irrigation of 10+ acres)

____ Photo of Diversion and System Attached

4.

Well or Diversion Identification No.*	Motor Make	Hp	Motor Serial No.	Pump Make	Pump Serial No. or Discharge Size
	STARTER	5	LSOP4J14	SUB	

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

Measurement Equipment	Type	Make	Model No.	Serial No.	Size	Calib. Date

2. Measurements: _____

95-9133

T50N R4W Section 14



Place of Use



Point of Diversion





95-9133



PO



PV

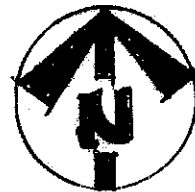


PV



PV

LEGEND



1" = 50'

-  — POINT OF CONNECTION
-  — CRISPIN AIR RELEASE VALVE
-  — MANUAL DRAIN VALVE
- SCH. 40 PVC SLEEVING : 2X PIPE DIAMETER
- • — 2" SCH. 40 PVC MAINLINE : < 12 GPM : 1"
(24" MIN. DEPTH OF BURY) 12-22 GPM : 1 1/4"
- SCH. 40 PVC. LATERAL
- (C) — RAINBIRD ESP-MC CONTROLLER W/ RAIN SHUT-OFF &
- △ — RAINBIRD PGA 100 SOLENOID VALVE (SEE DETAIL)
- (R) — HUNTER I-20 STAINLESS ROTOR (SEE DETAIL)
- *FULL 3.0 GPM NOZZLE *PARTIAL 2.0 GPM NOZZLE

IGATION NOTES

tem design based on minimum 50 gpm @ wellhead.

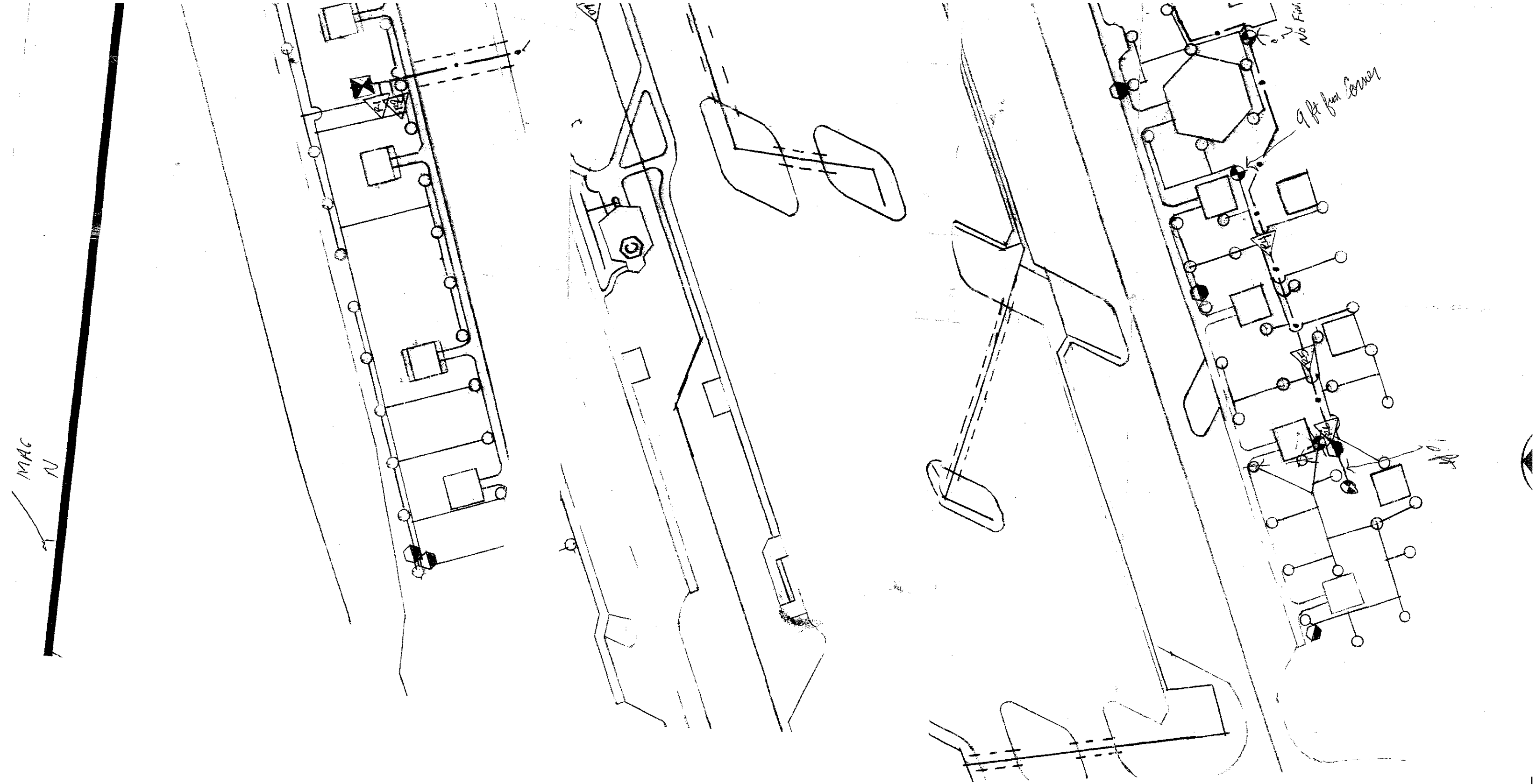
ig is diagrammatic and will be field adjusted to avoid site obstacles. All installed
itions to be shown on as-built.

stings to have one adjustable flood bubbler per planting. (see detail)

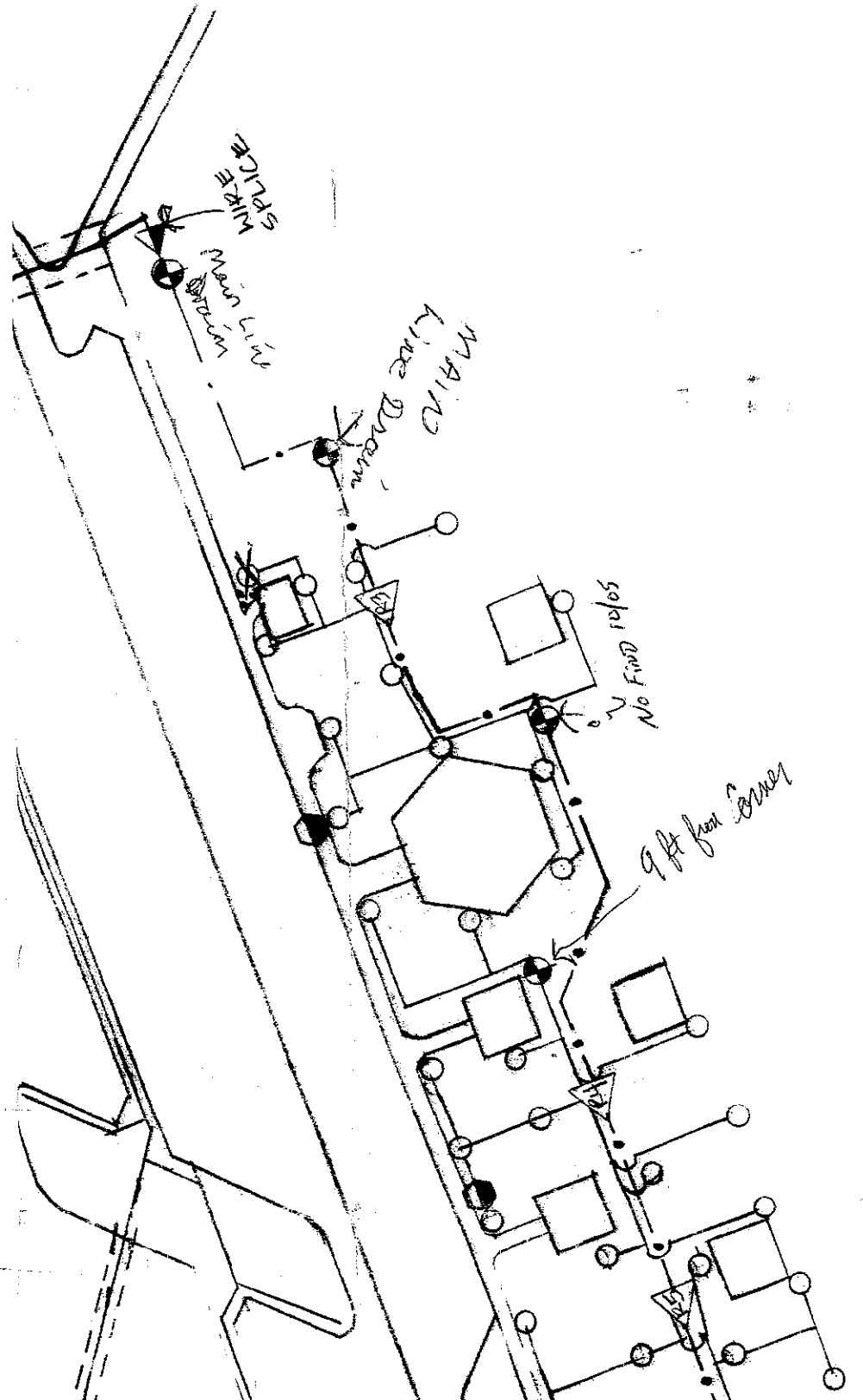
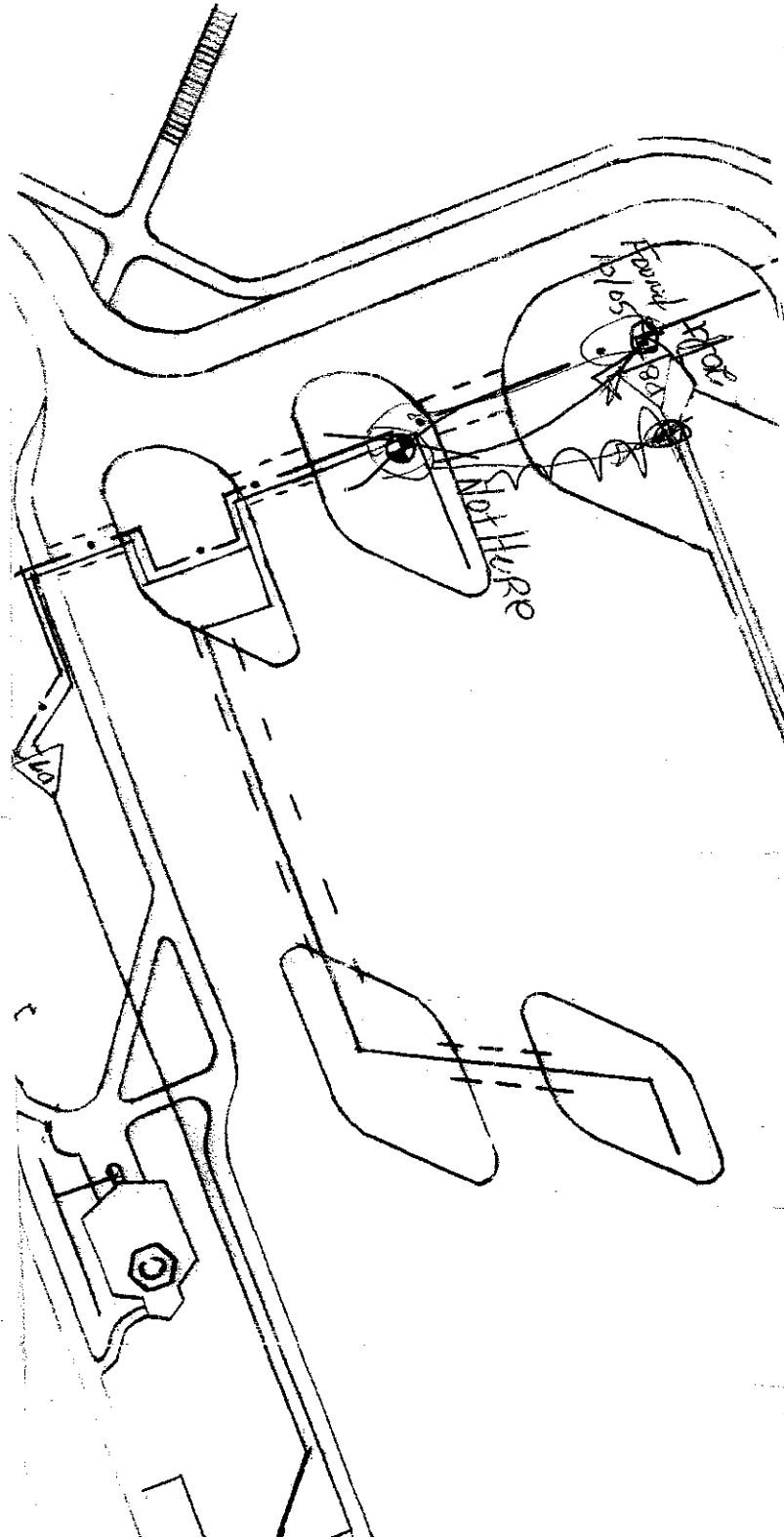
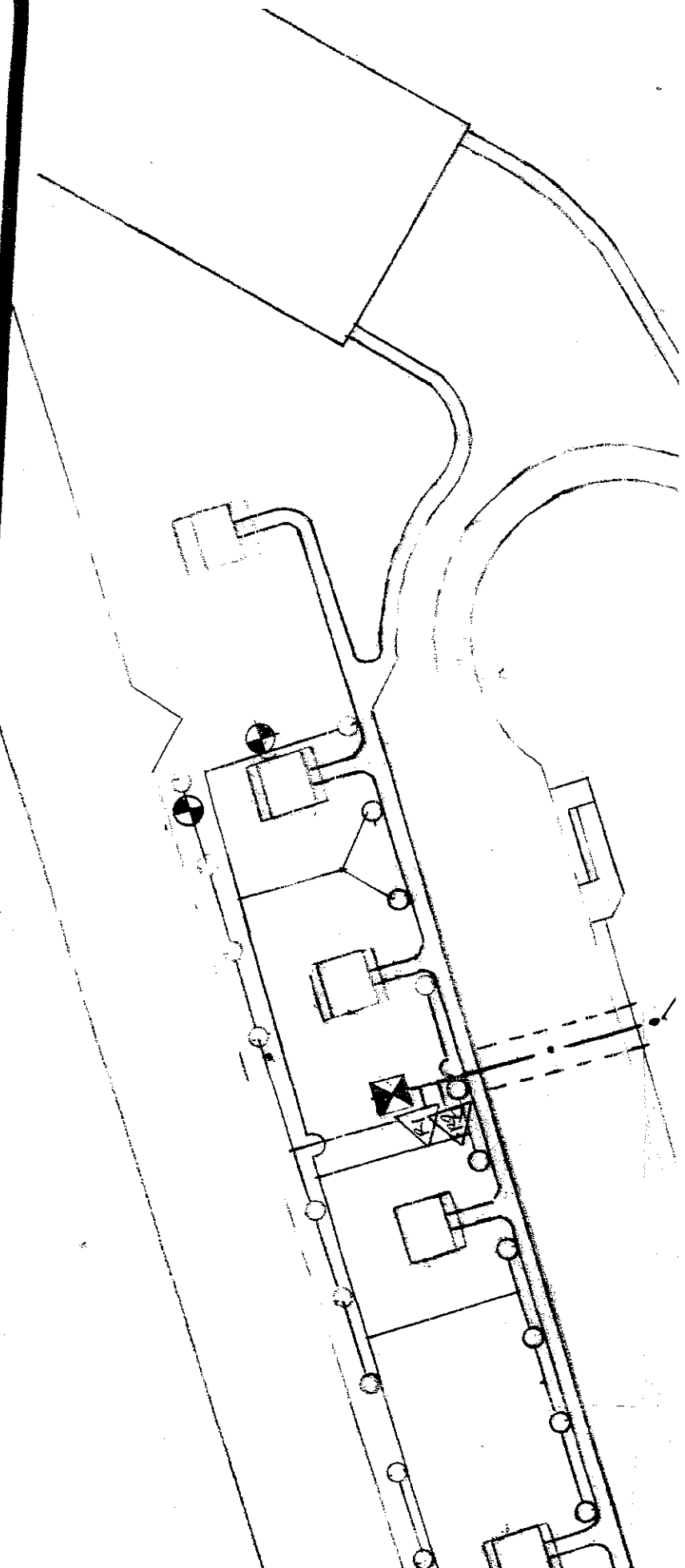
mainline, lateral and wires to have separate sleeves under paved surfaces.
nual drains to be installed at low points of all mainline and lateral piping,
imum one per zone. (see detail)

relief valve to be located at high point of each rotor zone (see detail)
piping to be marked by detectable warning tape 6"-10" below finish
ade.

TAILS



~~MAG~~
~~107~~



E. NARRATIVE/REMARKS/COMMENTS

Only way I had for a measurement
was to do a theoretical. Notice it came
out a little higher than permit rate

Have conditions of permit approval been met? ☒ yes ☐ no

F. FLOW CALCULATIONS

Measured Method:

Additional Computation Sheets Attached

Theoretical

$$\frac{8.8(5)(.7)}{24 + (231 \times 60)} = \frac{30.8}{162.6} = .18 \text{ cfs}$$

G. VOLUME CALCULATIONS

1. Volume Calculations for Irrigation:

$$V_{IR} = (\text{Acres Irrigated}) \times (\text{Irrigation Requirement}) = 3.5 \times 3 = 10.5$$

$$V_{DR} = [\text{Diversion Rate (cfs)}] \times (\text{Days in Irrigation Season}) \times 1.9835 = .18 \times 245 \times 1.9835 = 87.9$$

$$V = \text{Smaller of } V_{IR} \text{ and } V_{DR} = 10.5$$

2. Volume Calculations for Other Uses:

H. RECOMMENDATIONS

1. Recommended Amounts

Beneficial Use	Period of Use		Rate of Diversion Q (cfs)	Annual Volume V (afa)
	From	To		
<i>Irrigation</i>	<i>03-15</i>	<i>11-15</i>	<i>.11</i>	<i>10.5</i>
Totals:			<i>.11</i>	<i>10.5</i>

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☐ None
☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

I. AUTHENTICATIONField Examiner's Name Wayne Baldini Date 9-27-06Reviewer Greg Taylor Date 1-8-07

SEAL