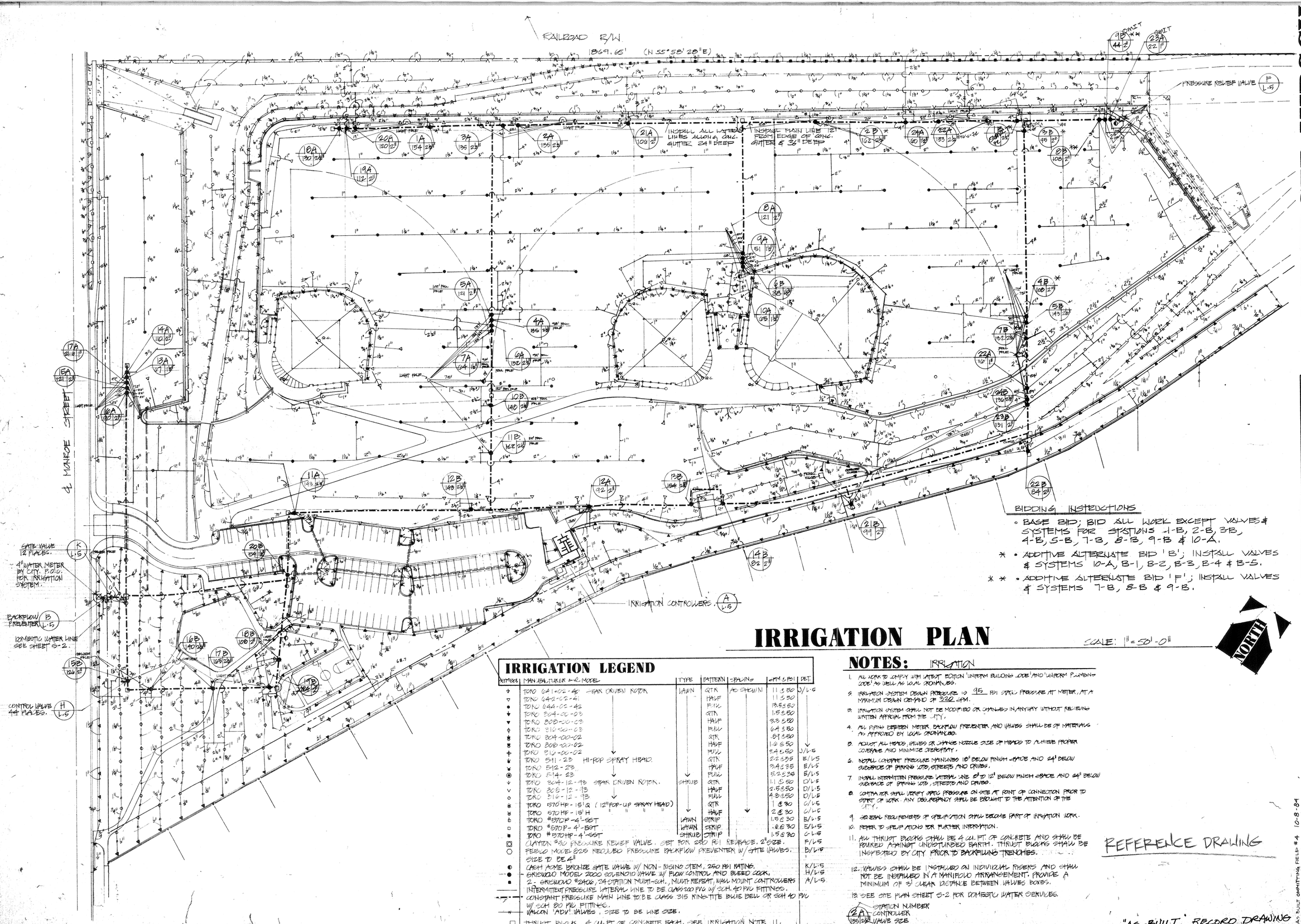

BIDDING INSTRUCTIONS

- BASE BID; BID ALL WORK EXCEPT VALVES & SYSTEMS FOR STATIONS 1-B, 2-B, 3B, 4-B, 5-B, 7-B, 8-B, 9-B & 10-A.
- * ADDITIVE ALTERNATE BID 'B'; INSTALL VALVES & SYSTEMS 10-A, B-1, B-2, B-3, B-4 & B-5.
- ** ADDITIVE ALTERNATE BID 'F'; INSTALL VALVES & SYSTEMS 7-B, 8-B & 9-B.

IRRIGATION PLAN

SCALE: 1" = 50'-0"

IRRIGATION LEGEND

SYMBOL	MANUFACTURER & MODEL	TYPE	PATTERN	SPACING	GPM @ 50 PSI	DET.
	TORO 644-02-42 PEAK DRIVEN ROTOR	LAWN	QTR	AS SHOWN	11.5 @ 50	D/L-5
	TORO 642-02-41		HALF		11.5 @ 50	
	TORO 644-02-42		FULL		19.5 @ 50	
	TORO 304-00-03		QTR		1.5 @ 50	
	TORO 308-00-03		HALF		3.3 @ 50	
	TORO 316-00-03		FULL		6.4 @ 50	
	TORO 304-00-02		QTR		.89 @ 50	
	TORO 308-00-02		HALF		1.6 @ 50	
	TORO 316-00-02		FULL		3.4 @ 50	D/L-5
	TORO 511-23 HI-POP SPRAY HEAD		QTR		2.2 @ 35	E/L-5
	TORO 512-23		HALF		3.4 @ 35	E/L-5
	TORO 514-23		FULL		5.2 @ 35	E/L-5
	TORO 304-12-93 PEAK DRIVEN ROTOR.	SHRUB	QTR		1.1 @ 50	D/L-5
	TORO 305-12-93		HALF		2.5 @ 50	D/L-5
	TORO 316-12-93		FULL		4.8 @ 50	D/L-5
	TORO 570 HP-15'Q (12" POP-UP SPRAY HEAD)		QTR		1.6 @ 30	C/L-5
	TORO 570 HP-15'H " " "		HALF		2.6 @ 30	C/L-5
	TORO #570P-4'-SST	LAWN	STRIP		1.5 @ 30	B/L-5
	TORO #570P-4'-BST	LAWN	STRIP		.86 @ 30	E/L-5
	TORO #570HP-4'-SST	SHRUB	STRIP		1.5 @ 30	C/L-5
	CLAYTON 350 PRESSURE RELIEF VALVE. SET FOR 250 PSI RELIEVE. 2" SIZE.					F/L-5
	FEBCO MODEL 825 REDUCED PRESSURE BACKFLOW PREVENTER W/ GATE VALVES. SIZE TO BE 4"					B/L-5
	CRAM ACME BRONZE GATE VALVE W/ NON-RISING STEM, 250 PSI RATING.					K/L-5
	GRINNELL MODEL 2000 SOLENOID VALVE W/ FLOW CONTROL AND BLEED COCK.					H/L-5
	2 - GRINNELL #2406, 24 STATION MULTI-SCH., MULTI REPEAT, WALL MOUNT CONTROLLERS					A/L-5
	INTERMITTENT PRESSURE LATERAL LINE TO BE CLASS 200 PVC W/ SCH. 40 PVC FITTINGS.					
	CONSTANT PRESSURE MAIN LINE TO BE CLASS 315 RING-TITE BLUE BELL OR SCH 40 PVC W/ SCH 80 PVC FITTINGS.					
	VALCON 'ADV' VALVES. SIZE TO BE LINE SIZE.					
	THRUST BLOCK, 4 CU. FT OF CONCRETE EACH. SEE IRRIGATION NOTE 11.					
S.C.O	RAINBIRD QUICK COUPLER #44 W/ (LOCKING VINYL COVER).					B/L-5

NOTES: IRRIGATION

1. ALL WORK TO COMPLY WITH LATEST EDITION 'UNIFORM BUILDING CODE' AND 'UNIFORM PLUMBING CODE' AS WELL AS LOCAL ORDINANCES.
2. IRRIGATION SYSTEM DESIGN PRESSURE IS 95 PSI STATIC PRESSURE AT METER, AT A MAXIMUM DESIGN DEMAND OF 320 GPM.
3. IRRIGATION SYSTEM SHALL NOT BE MODIFIED OR CHANGED IN ANY WAY WITHOUT RECEIVING WRITTEN APPROVAL FROM THE CITY.
4. ALL PIPING BETWEEN METER, BACKFLOW PREVENTER, AND VALVES SHALL BE OF MATERIALS AS APPROVED BY LOCAL ORDINANCES.
5. ADJUST ALL HEADS, VALVES OR CHANGE NOZZLE SIZE OF HEADS TO ACHIEVE PROPER COVERAGE AND MINIMIZE OVERSPRAY.
6. INSTALL CONSTANT PRESSURE MAINLINES 18" BELOW FINISH GRADE AND 24" BELOW SUBGRADE OF PARKING LOTS, STREETS AND DRIVES.
7. INSTALL INTERMITTENT PRESSURE LATERAL LINE 8" TO 12" BELOW FINISH GRADE AND 24" BELOW SUBGRADE OF PARKING LOTS, STREETS AND DRIVES.
8. CONTRACTOR SHALL VERIFY STATIC PRESSURE ON SITE AT POINT OF CONNECTION PRIOR TO START OF WORK. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE CITY.
9. GENERAL REQUIREMENTS OF SPECIFICATION SHALL BECOME PART OF IRRIGATION WORK.
10. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION.
11. ALL THRUST BLOCKS SHALL BE 4 CU. FT. OF CONCRETE AND SHALL BE POURED AGAINST UNDISTURBED EARTH. THRUST BLOCKS SHALL BE INSPECTED BY CITY PRIOR TO BACKFILLING TRENCHES.
12. VALVES SHALL BE INSTALLED ON INDIVIDUAL RISERS AND SHALL NOT BE INSTALLED IN A MANIFOLD ARRANGEMENT. PROVIDE A MINIMUM OF 3' CLEAR DISTANCE BETWEEN VALVES BOXES.
13. SEE SITE PLAN SHEET S-2 FOR DOMESTIC WATER SERVICES.

2A — STATION NUMBER
CONTROLLER
135 2A — VALVE SIZE
GPM OF SYSTEM

REFERENCE DRAWING

"AS-BUILT" RECORD DRAWING
10-8-84

AS BUILT COMMITTING FIELD #4 10-8-84

HEIMBERGER·HIRSCH
Landscape Architects · Site & Development Planners
515 W. Commonwealth Ave. Suite 205
Fullerton, Ca. 92632 714·773·0973
ASLA

Project;
City of Riverside
Park Improvement Plans for;
~~Monroe~~ DEAN Park & Sports Complex
~~Don Lorenzi Sports Complex~~

REGISTERED LANDSCAPE ARCHITECT
CARL O. HEIMBERGER
#1523
Signature
1-16-85
Date
STATE OF CALIFORNIA

Date; NOV 1, 1983
Design; P. HIRSCH
Job No; 83014

Description;
MONROE PARK
IRRIGATION
PLAN

PLAN NOS. P-0018/3101

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of ~~28~~ 18