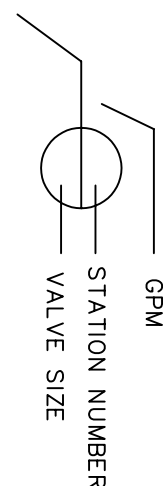


GENERAL IRRIGATION NOTES:

- 120 VOLT ELECTRICAL POWER OUTLET FOR CONTROLLER TO BE PROVIDED BY OTHERS. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE ELECTRICAL CONNECTION FROM OUTLET TO THE CONTROLLER.
- ALL WIRE FROM CONTROLLER TO ELECTRIC REMOTE CONTROL VALVES TO BE COPPER UP #14 DIRECT BURIAL. USE BLACK FOR PILOT - WHITE FOR COMMON. INSTALL IN COMMON TRENCH WITH IRRIGATION MAINLINE PIPING WHEREVER POSSIBLE. PROVIDE A MINIMUM OF 18" COVER.
- PROVIDE MINIMUM 18" COVER OVER ALL PRESSURE MAINLINE PIPE AND 12" OVER ALL NON-PRESSURE LATERAL LINE PIPE. ALL PIPE UNDER VEHICULAR PAVED AREAS TO BE INSTALLED IN SLEEVES W/30" MINIMUM COVER. ALL SLEEVES TO BE PVC 1120 SCH 80 PLASTIC PIPE INSTALLED PRIOR TO HARDSCAPE CONSTRUCTION.
- FINAL LOCATION OF AUTOMATIC CONTROLLER TO BE DETERMINED BY OWNER'S AUTHORIZED REPRESENTATIVE AND/OR LANDSCAPE ARCHITECT.
- THE IRRIGATION DESIGN IS PURELY DIAGNOSTIC. EQUIPMENT SHOWN IN PAVED AREAS IS TO BE INSTALLED UNDER THE SURFACE OF THE PAVED AREA. THE CONTRACTOR SHALL WHEREVER POSSIBLE SCREEN ALL IRRIGATION COMPONENTS WITH SCREENS.
- THE IRRIGATION CONTRACTOR SHALL FLUSH ALL LINES AND ADJUST ALL SPRINKLER HEADS FOR MAXIMUM PERFORMANCE AND TO PREVENT OVERSPRAY ONTO ADJACENT WALKS, DRIVES, AND BUILDINGS WHENEVER POSSIBLE. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC AND RADIUS TO FIT EXISTING SITE CONDITIONS.
- THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS DESIGNED WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS OR GRADE DIFFERENCES EXIST THAT WERE NOT KNOWN DURING THE DESIGN PROCESS. SUCH CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER'S AUTHORIZED REPRESENTATIVE, OTHERWISE THE CONTRACTOR MUST ASSUME FULL RESPONSIBILITY FOR ANY AND ALL DESIGN ERRORS.
- THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AS SHOWN IN THE IRRIGATION DETAIL SHEET.
- IRRIGATION SYSTEM DESIGN IS BASED ON MINIMUM OPERATING PRESSURE SHOWN AT EACH EQUIPMENT LOCATION. THE CONTRACTOR SHALL VERIFY ALL AVAILABLE STATIC PRESSURES ON THE PROJECT SITE. THE CONTRACTOR SHALL VERIFY ALL AVAILABLE STATIC PRESSURES ON THE PROJECT SITE.

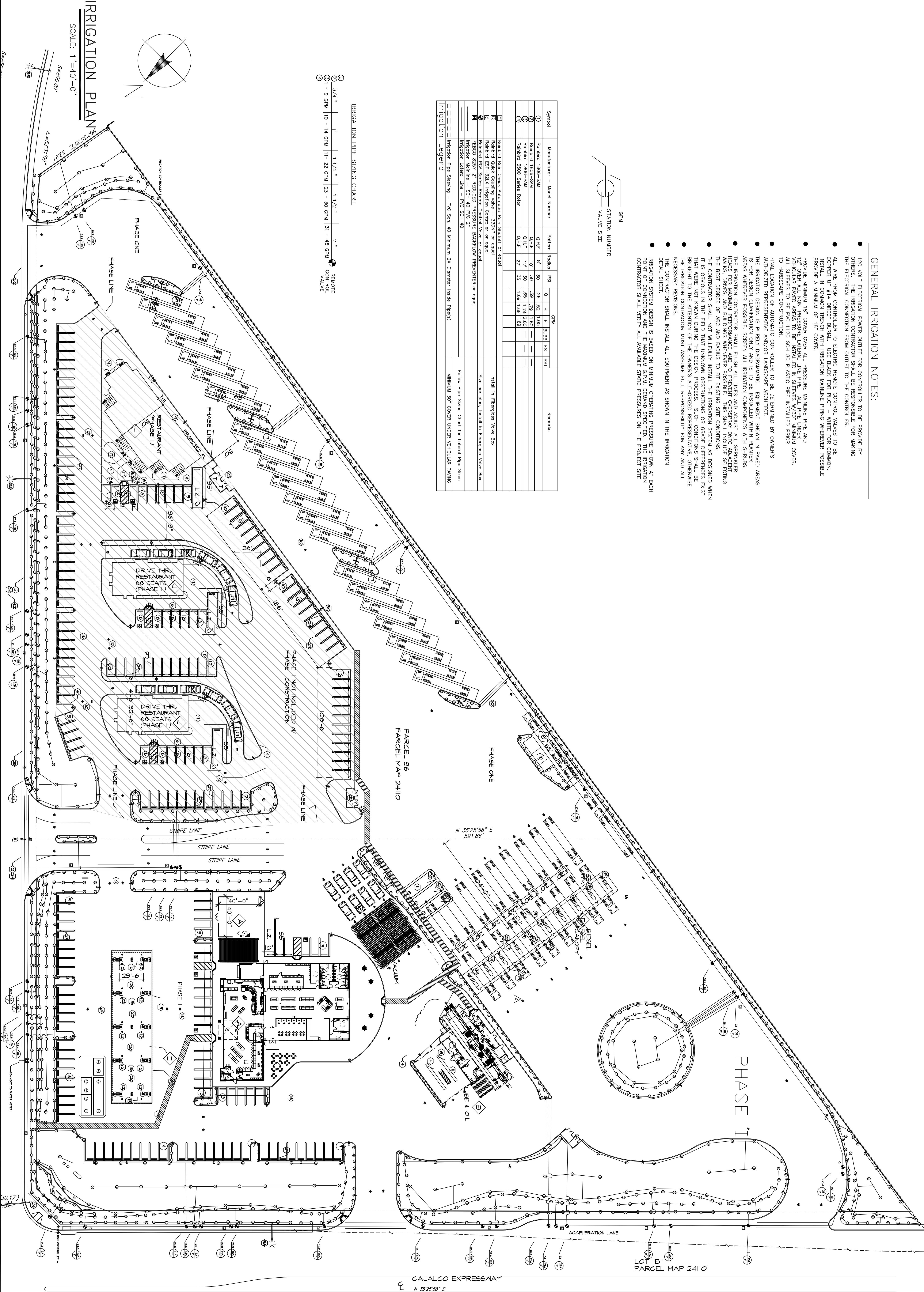


Symbol	Manufacturer - Model Number	Pattern	Radius	PSI	Q	H	BUBBL	EST	SST	Remarks
①	Round 1806-SM	Q.H.F.	8"	30	3.9	1.60				
②	Round 1806-SM	Q.H.F.	10"	30	3.9	1.75				
③	Round 1806-SM	Q.H.F.	12"	30	4.5	1.74	2.60			
④	Round 3500 Series Rotar	Q.H.F.	27"	35	1.69	1.69				
⑤	Round Rotar Quick Automatic Rotar Standoff or equal									Install in Fiberglass Valve Box
⑥	Round ESP-321X Irrigation Controller or equal									Size per plan, install in Fiberglass Valve Box
⑦	Round FCA Series Remote Control Valve or equal									Size per plan, install in Fiberglass Valve Box
⑧	TEBEO 825V-2" REDUCED PRESSURE BACKFLOW PREVENTER or equal									Follow Pipe Sizing Chart for Lateral Pipe Sizes
⑨	Irrigation Manhole - SCH 40 PVC 2'									
⑩	Irrigation Lateral Line - PVC SCH 40									MINIMUM 30" COVER UNDER VEHICULAR PAVING

Irrigation Legend

IRRIGATION PIPE SIZING CHART

①	3/4"	1"	1 1/4"	1 1/2"	2"	REMOTE CONTROL VALVE
②	1"	1 1/4"	1 1/2"	2"	2"	REMOTE CONTROL VALVE
③	1"	1 1/4"	1 1/2"	2"	2"	REMOTE CONTROL VALVE
④	1"	1 1/4"	1 1/2"	2"	2"	REMOTE CONTROL VALVE



CLIENT:
PRINCE REAL ESTATE HOLDINGS, INC.
RIVERSIDE COUNTY TRAVEL CENTER LLC
COO & COUNSELOR

BRAND:
WEST COAST PRODUCTS, LLC

CONSULTANT:
ARCO

WESTERNSTATES
Engineering & Construction, Inc.
733 N. MAIN ST.
ORANGE, CA 92666
714/ 769-2000
714/ 769-2002 Fax
www.wststn.com
A "Design/Build" Co.

NO. 11-17-03
DATE 11-17-03
REVISION DESCRIPTION

11-17-03 BUILDING SUBMITTAL

11-17-03 REVISION PER PLAN CHECKS

11-17-03 REVISION PER PLAN CHECKS

11-17-03 REVISION PER PLAN CHECKS

11-24-04 REVISION PER PLAN CHECK

DESIGNED BY: HILANCE ZHANG
CHECKED BY: JIP REINE
DRAWN BY: HILANCE ZHANG
PROJECT NO.: V01
DRAWING TITLE: IRRIGATION SITE PLAN

23261 CAJALCO EXHWY.
@ MARILL AVENUE
FERRIS, CALIFORNIA 92521

NEW BUILD (STICK)
3600 SERIES AM/PM
CENTER CASHIER
TO GO DELI

DEVELOPMENT INFORMATION:

SITE ADDRESS: 23261 CAJALCO EXHWY.

REGISTERED PROFESSIONAL ENGINEER
VINCENT M. KAMAL
NO. C8181099
EXP. 9/30/05
STATE OF CALIFORNIA
CIVIL

CONSENT/DECLARATION STATEMENT:
I, THE SIGNATURE OF THIS STATEMENT, CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF CALIFORNIA AND I AM THE DESIGNER OF THIS PROJECT. I HAVE REVIEWED THE DRAWINGS AND I AM AWARE OF THE CONTENTS AND I AM NOT PROVIDING ANY OTHER INFORMATION TO THE CONTRACTOR OR OTHERS. I AM NOT PROVIDING ANY OTHER INFORMATION TO THE CONTRACTOR OR OTHERS. I AM NOT PROVIDING ANY OTHER INFORMATION TO THE CONTRACTOR OR OTHERS.

SHEET NO.: L-2