



LAKEMONT COMMUNITY PARK IRRIGATION SYSTEM RENOVATION 5170 Village Park Drive, Bellevue, WA, 98006

PROJECT DESCRIPTION:

THIS PROJECT INVOLVES THE REPLACEMENT OF IRRIGATION SYSTEM COMPONENTS INCLUDING: MAINLINE, LATERAL LINES, VALVES, WIRING, SWING ARM ASSEMBLIES AND SPRINKLER HEADS. THE SCOPE OF WORK INCLUDES MOBILIZATION, SITE PREPARATION, TEMPORARY EROSION AND SEDIMENTATION CONTROL, DEMOLITION, TRENCHING, PVC PIPE INSTALLATION, LOW VOLTAGE WIRING INSTALLATION AND SITE RESTORATION.

ESTIMATED PROJECT TIMELINE:

SEPTEMBER 2020 – DECEMBER 30, 2020

DEMOLITION SCHEDULE:

SYMBOL/CALLOUT

①

DESCRIPTION

REMOVE AND DISPOSE OF EXISTING AUTOMATIC CONTROL VALVES, ALL ASSOCIATED BOXES AND QUICK COUPLER ASSEMBLY

*DEMOLITION TO INCLUDE REMOVAL OF ALL EXISTING SPRINKLER HEADS AND CAPPING OF ALL SWING ARM ASSEMBLIES.

CITY OF BELLEVUE
PLANS & COMMUNITY
SERVICES DEPARTMENT
5170 VILLAGE PARK DRIVE
BELLEVUE, WA 98006-0972



DRAWN BY: JHW
CHECKED BY: JHW
DATE: 02/04/14

Project Title & Address

**LAKEMONT PARK
IRRIGATION SYSTEM RENOVATION**
5170 VILLAGE PARK DRIVE, Bellevue, WA, 98006

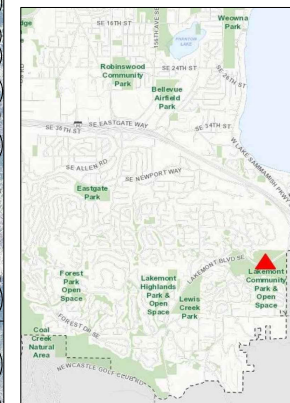
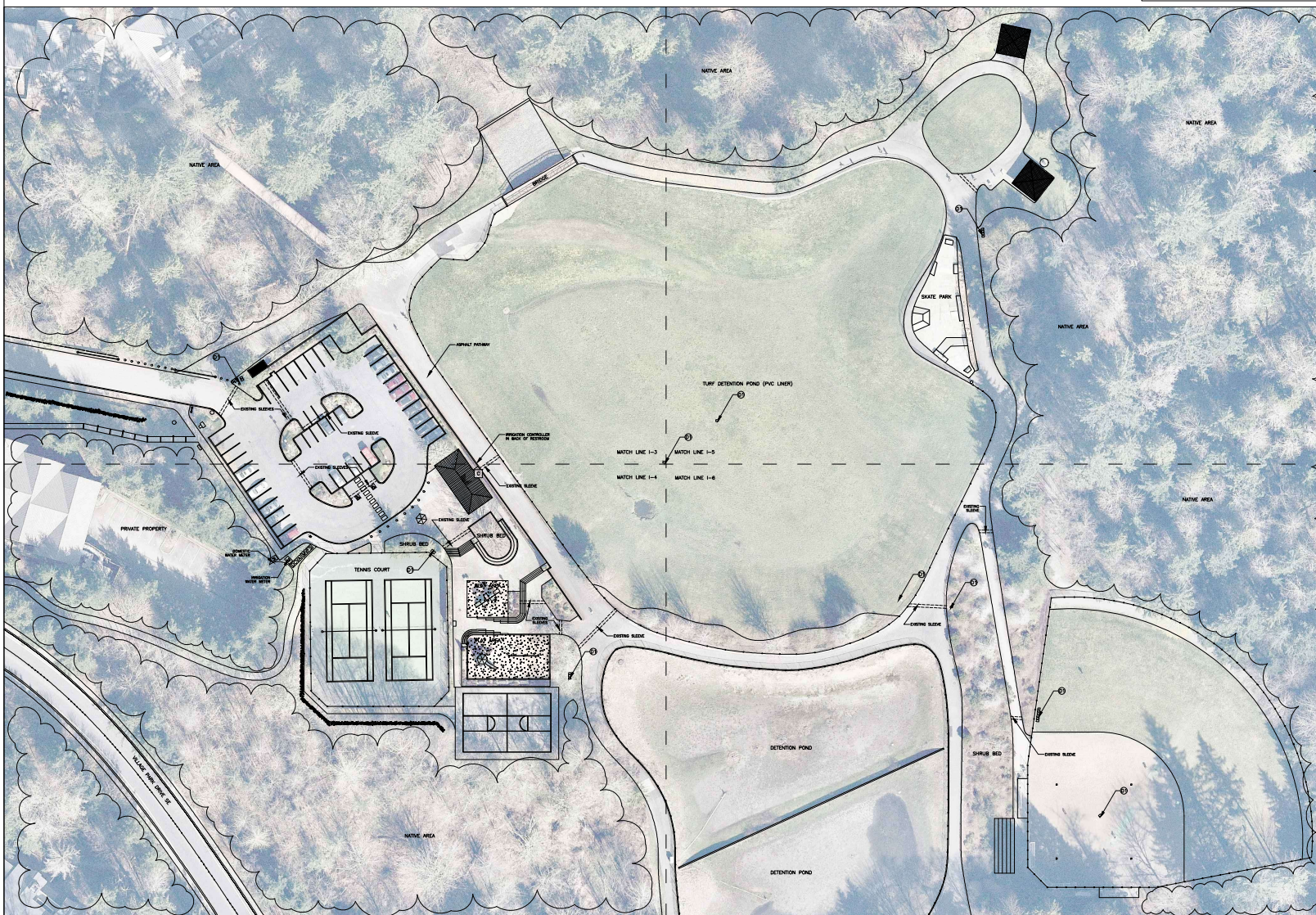
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**COVER AND
DEMO PLAN**

Sheet #:

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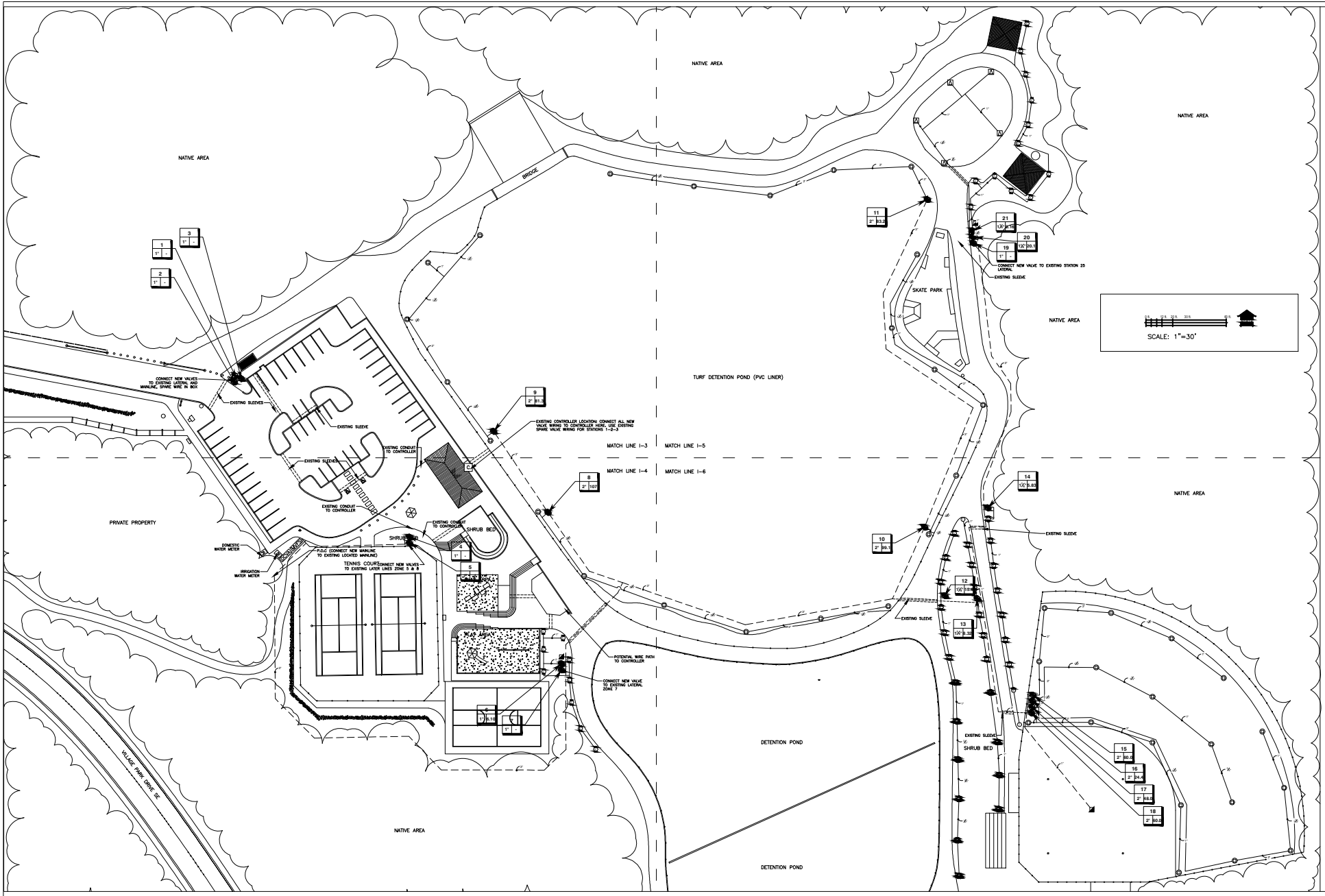
Call Before
You Dig!



△ VICINITY

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CITY OF BELLEVUE
Parks & Community
Services Department
201 1st Avenue N
Bellevue, WA 98005-4972

BELLEVUE
WASHINGTON

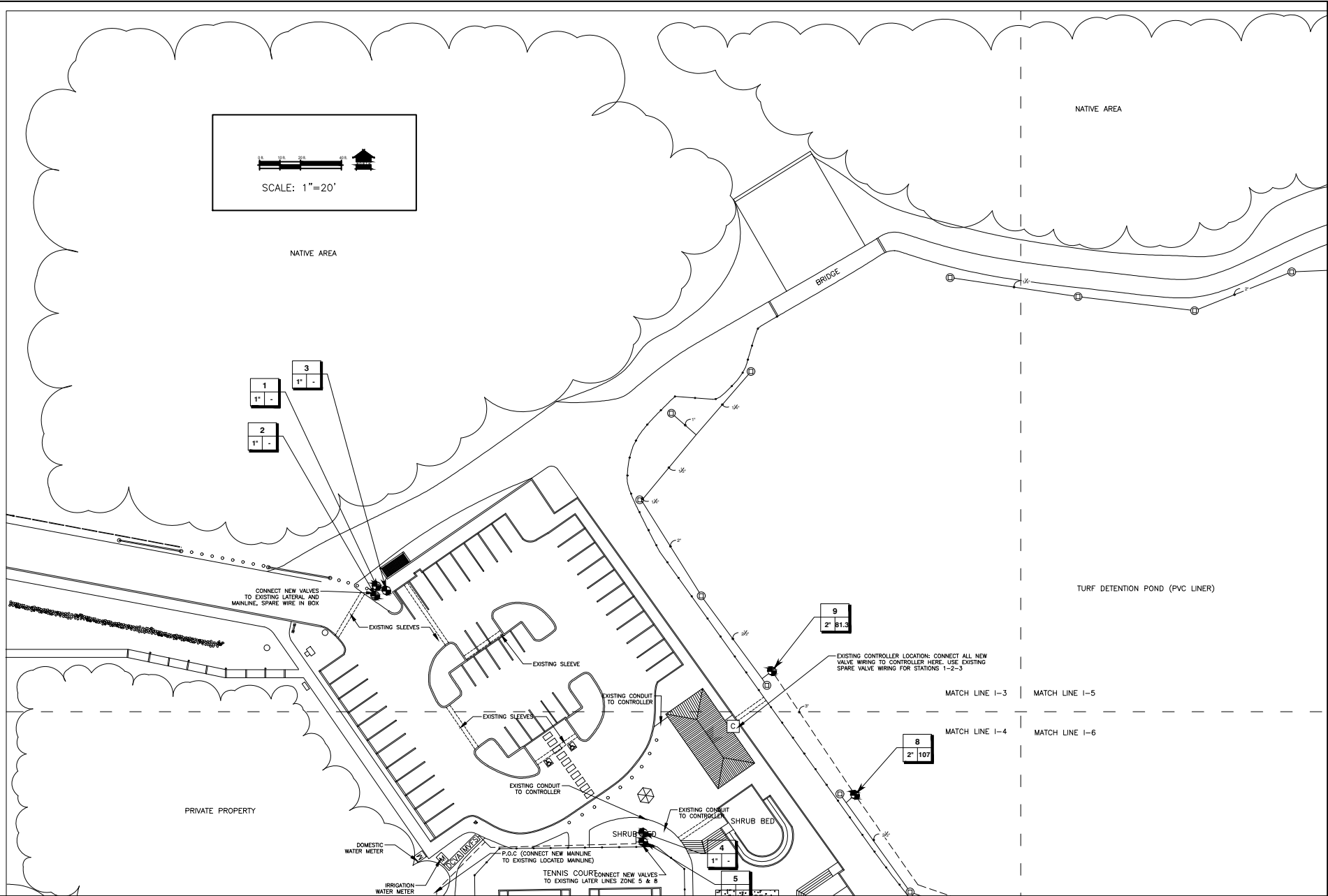
DRAWN BY: J.W.
PROJECT: LAKEMONT PARK
CHECKED BY: J.W.
DATE: 08/14/2014

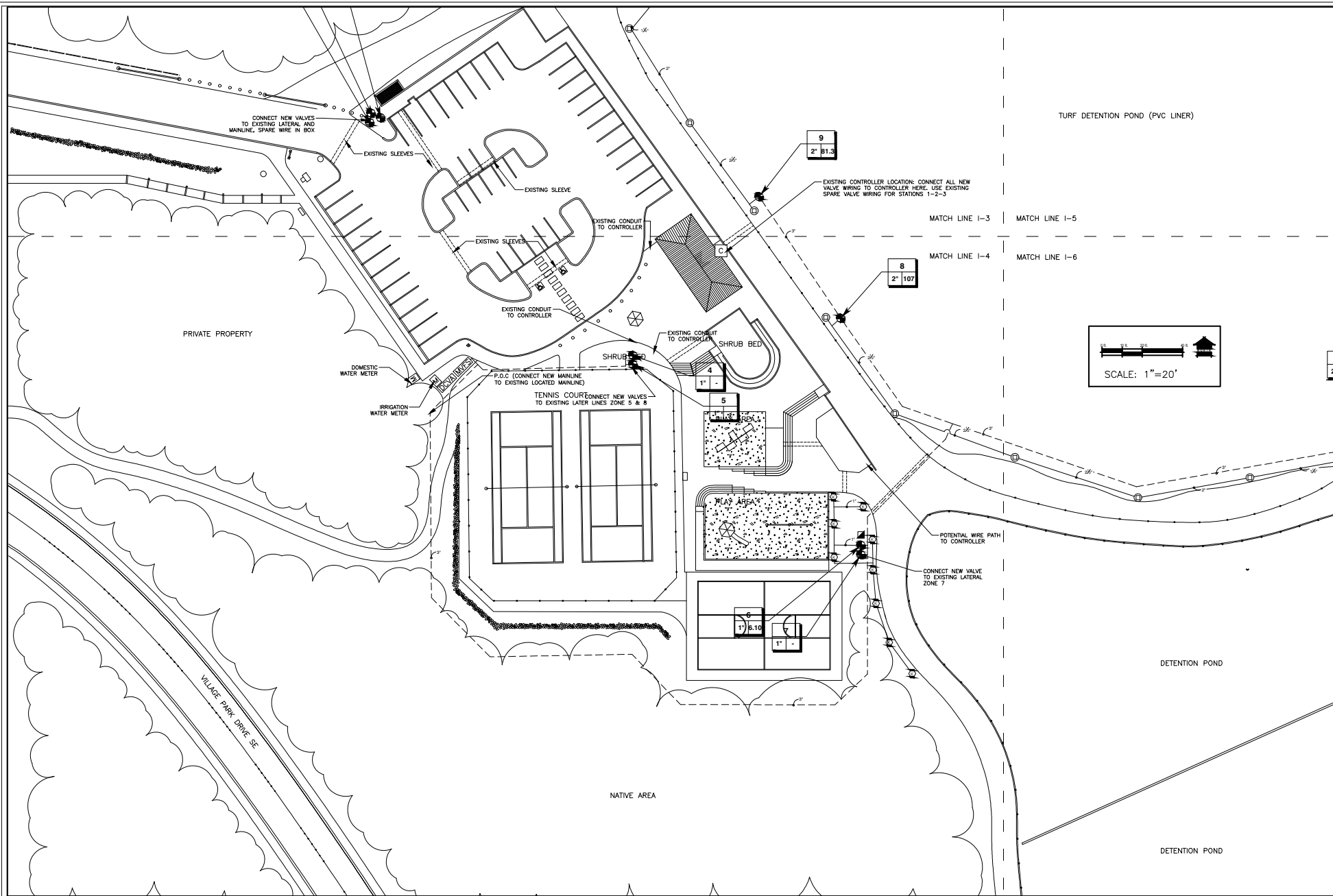
LAKEMONT PARK
IRRIGATION SYSTEM RENOVATION
4710 VILLAGE PARK DRIVE, BELLEVUE, WA 98005

Project Title & Address

Sheet Title
**IRRIGATION PLAN
OVERVIEW**

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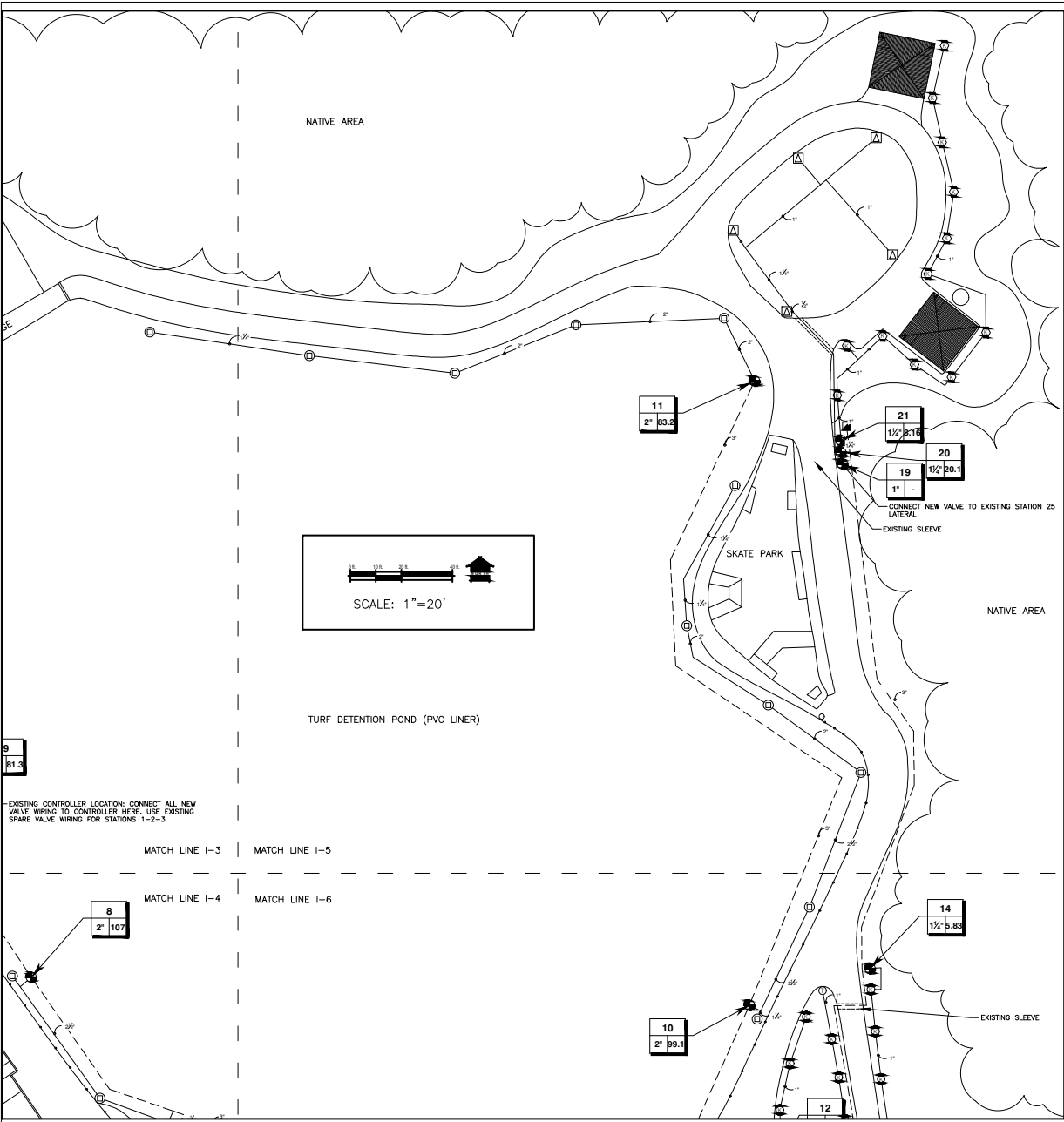
CITY OF BELLEVUE
PARKS & COMMUNITY SERVICES DEPARTMENT
10000 BELLEVUE AVENUE
BELLEVUE, WA 98004-0012

DRAWN BY: JAV
CHECKED: (425) 462-0044
BID SET:

Project Title & Address
LAKEMONT PARK
IRRIGATION SYSTEM RENOVATION
5170 VILLAGE PARK DRIVE, Bellevue, WA, 98006

Sheet Title
IRRIGATION PLAN

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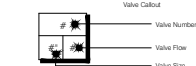


IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL	QTY	PSI	DETAIL
	Hunter MP2000 PROS-06-PRS40-CV-F	21	40	
	Hunter MP Corner PROS-12-PRS40-CV-F	2	40	
	Hunter MP1000 PROS-12-PRS40-CV-F	1	40	
	Hunter MP2000 PROS-12-PRS40-CV-F	19	40	
	Hunter MP3000 PROS-12-PRS40-CV-F	10	40	

SYMBOL	MANUFACTURER/MODEL	QTY	PSI	DETAIL
	Rain Bird 5006-PL-PC, FC-SAM-SS	5	45	
	Rain Bird 8005-SS	4	60	
	Rain Bird 8005-SS	2	60	
	Rain Bird 8005-SS	15	60	
	Rain Bird 8005-SS	19	60	

SYMBOL	MANUFACTURER/MODEL	QTY	DETAIL
	Weathermatic 8200CR	21	
	Buckner-Superior QBRB-LRC	3	
	Irrigation Lateral Line: PVC Schedule 40	3,382 l.f.	
	Irrigation Mainline: PVC Schedule 40	1,923 l.f.	



VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	PRECIP
1	Weathermatic 8200CR	1"		0.00	Unknown
2	Weathermatic 8200CR	1"		0.00	Unknown
3	Weathermatic 8200CR	1"		0.00	Unknown
4	Weathermatic 8200CR	1"		0.00	Unknown
5	Weathermatic 8200CR	1"		0.00	Unknown
6	Weathermatic 8200CR	1"	Turf Rotary	6.10	0.25 in/h
7	Weathermatic 8200CR	1"		0.00	Unknown
8	Weathermatic 8200CR	2"	Turf Rotor	106.80	1.19 in/h
9	Weathermatic 8200CR	2"	Turf Rotor	81.30	1.11 in/h
10	Weathermatic 8200CR	2"	Turf Rotor	99.10	1.11 in/h
11	Weathermatic 8200CR	2"	Turf Rotor	83.20	1.06 in/h
12	Weathermatic 8200CR	1-1/4"	Shrub Rotary	14.97	0.20 in/h
13	Weathermatic 8200CR	1-1/4"	Shrub Rotary	8.32	0.19 in/h
14	Weathermatic 8200CR	1-1/4"	Shrub Rotary	5.83	0.19 in/h
15	Weathermatic 8200CR	2"	Turf Rotor	60.00	0.96 in/h
16	Weathermatic 8200CR	2"	Turf Rotor	24.40	0.30 in/h
17	Weathermatic 8200CR	2"	Turf Rotor	48.00	1.01 in/h
18	Weathermatic 8200CR	2"	Turf Rotor	60.00	1.01 in/h
19	Weathermatic 8200CR	1"		0.00	Unknown
20	Weathermatic 8200CR	1-1/4"	Turf Rotor	20.05	0.81 in/h
21	Weathermatic 8200CR	1-1/4"	Turf Rotor	8.16	0.19 in/h

IRRIGATION NOTES:

- PROVIDE AND INSTALL ALL IRRIGATION IN CONFORMANCE WITH THE CITY OF BELLEVUE STANDARDS. IN THE EVENT OF CONFLICT BETWEEN NOTES, DETAILS OR TECHNICAL SPECIFICATIONS, THE STANDARD DETAILS SHALL TAKE PRECEDENCE.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES AND SAFETY REGULATIONS.
- DRAWING IS SCHEMATIC. ACTUAL LOCATIONS MAY VARY DUE TO UTILITIES, TREES, VEGETATION, STRUCTURES OR OTHER EXISTING CONDITIONS.
- CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO START OF WORK.
- LOCATE AUTOMATIC CONTROL VALVES AT POINTS OF EASY ACCESS. OWNER TO REVIEW AND APPROVE FINAL LOCATIONS PRIOR TO START OF WORK.
- HEAD LOCATION SHALL BE ADJUSTED IN THE FIELD TO ACCOUNT FOR EXISTING SITE CONDITIONS. SPRAY PATTERN SHALL BE ADJUSTED AS NECESSARY TO ACHIEVE MAXIMUM COVERAGE AND MINIMAL OVER SPRAY. IN TURF AREAS, LOCATE HEADS 6" FROM EDGE OF HARD SURFACES. OWNER TO INSPECT AND APPROVE FINAL HEAD LAYOUT PRIOR TO INSTALLATION.
- PIPES TO SHARE COMMON TRENCHES WHERE APPLICABLE. SEPARATE COMMON PIPING BY A MINIMUM OF 3" APART WITH NO MORE THAN 4 PER TRENCH.
- LETTERS ON PIPING SHALL BE ROTATED TO FACE UP.
- USE NO MALE OR FEMALE ADAPTERS.
- ALL IRRIGATION VALVE WIRING SHALL BE INSULATED, SINGLE STRAND, 14-GAUGE. ONE SPARE WIRE SHALL BE INSTALLED FOR EACH 4 ZONES UNLESS OTHERWISE SPECIFIED ON THE PLAN. ALL SPARE WIRES SHALL BE INSTALLED TO THE FARTHEST VALVE(S) AWAY FROM CONTROLLER.
- OWNER SHALL HAVE OPPORTUNITY TO INSPECT ALL GLUE JOINTS PRIOR TO BACKFILLING. OWNER MAY REQUEST GLUE JOINT TEST AT ANY TIME DURING COURSE OF CONSTRUCTION.
- CONTRACTOR SHALL PERFORM PRESSURE TEST OF MAINLINE TO 150 PSI IN PRESENCE OF OWNER PRIOR TO FINAL ACCEPTANCE. A SUCCESSFUL TEST WILL HAVE 0 PSI LOSS IN ONE HALF HOUR TIME PERIOD.
- CONTRACTOR SHALL PERFORM LEAK DOWN TEST OF ALL LATERAL LINES (WITH SWING ARMS CAPPED) UP TO STATIC PRESSURE WITH OWNER PRESENT PRIOR TO FINAL ACCEPTANCE. A SUCCESSFUL LEAK DOWN TEST WILL HAVE LESS THAN 5 PSI PRESSURE LOSS WITHIN A 15 MINUTE TIME PERIOD.
- ALL LATERAL LINES SHALL BE THOROUGHLY FLUSHED PRIOR TO THE INSTALLATION OF SPRINKLER HEADS AND NOZZLES.
- TRENCH LINES TO BE RESTORED PER DETAILS

