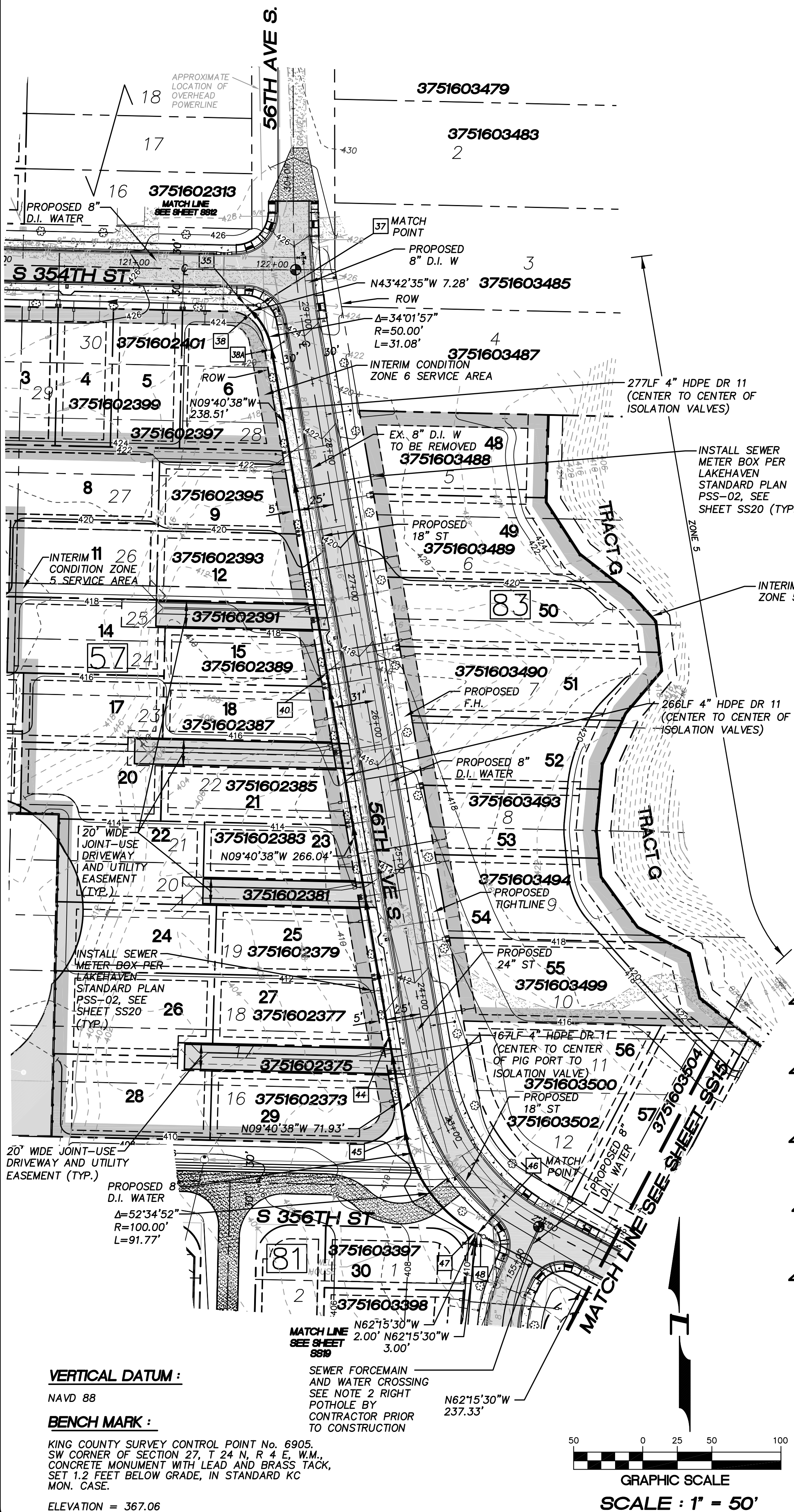
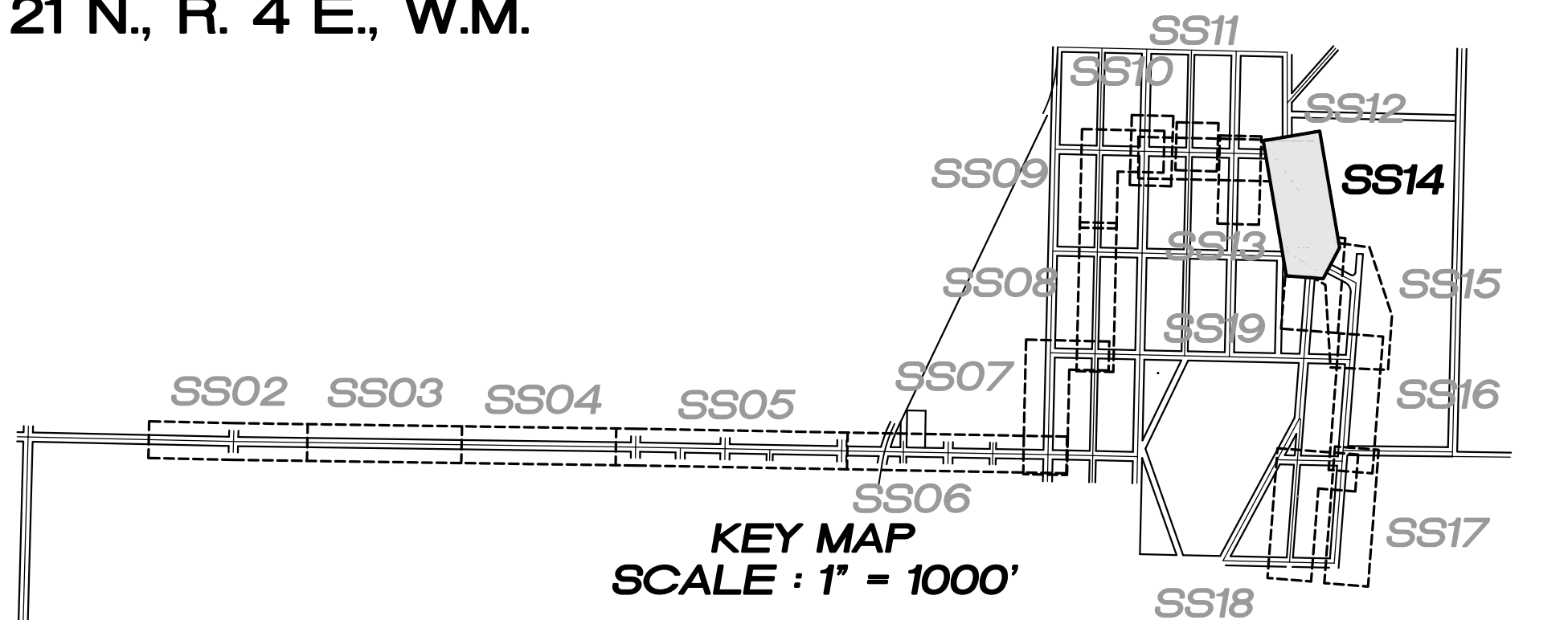


N.W. 1/4, SEC. 26, T. 21 N., R. 4 E., W.M.



- 35 SEE SHEET SS12
- 37 SEE SHEET SS12
- 38 END HORIZONTAL CURVE (R=50')
- 38A BEGIN HORIZONTAL CURVE (R=50')
- 40 1-4" ISOLATION GATE VALVE W/BOX
- 44 1-4" ISOLATION GATE VALVE W/BOX
- 45 END HORIZONTAL CURVE (R=100')
- 46 BEGIN HORIZONTAL CURVE (R=100')
- 47 1-4" HDPE DR 11 WYE  
1-4" HDPE DR 11 SPOOL  
1-4" ISOLATION GATE VALVE W/BOX  
1-4"x2" HDPE DR 11 REDUCER
- 48 2-4" ISOLATION GATE VALVE W/BOX  
1-4" FORCE MAIN CLEANOUT W/PIG PORT #19



LAKEHAVEN UTILITY DISTRICT

0 Water Plan      6 Sewer Plan

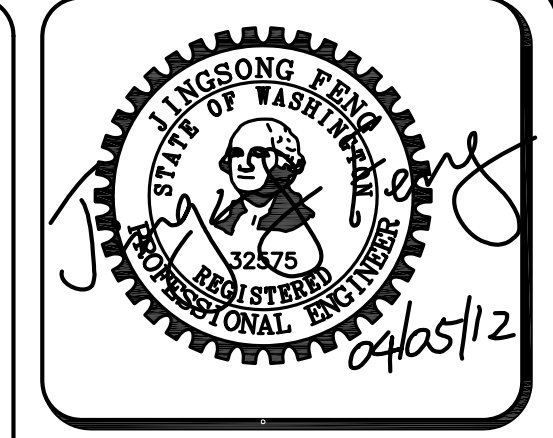
Dated \_\_\_\_\_

**APPROVED FOR CONSTRUCTION**  
SUBJECT TO CHANGES NOTED

The District's review is not a check of any dimension or quantities and will not relieve the Developer from responsibility for errors of any sort. No changes shall be made in the plans except by the consent of the District.

General Manager/District Engineer      Date \_\_\_\_\_

This construction plan will expire one year from plan approval date, if construction has not commenced.



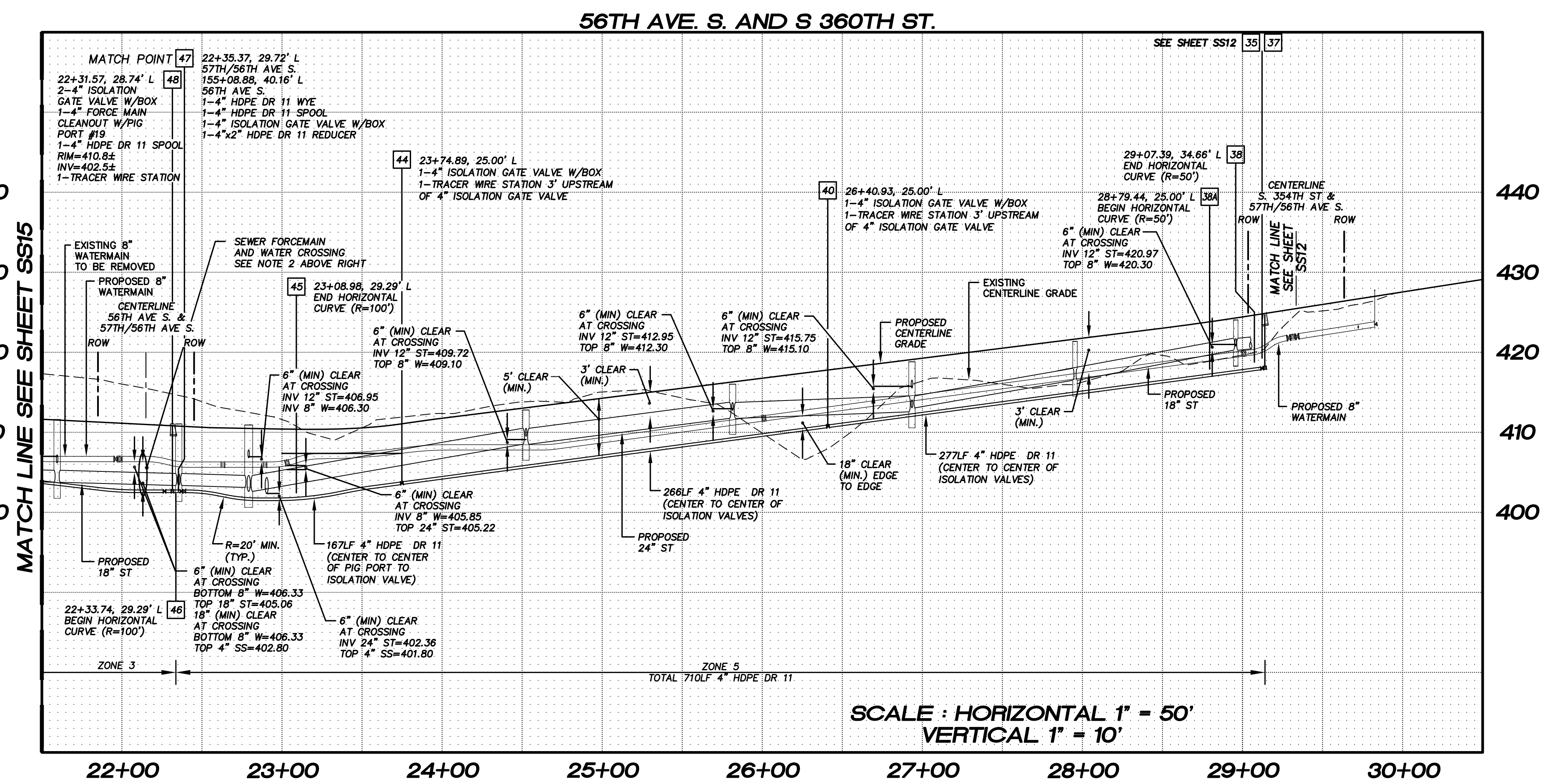
15445 53RD AVE. S.  
SEATTLE, WA 98188  
PHONE: (206) 431-7970  
FAX: (206) 388-1648  
WEB SITE:  
PACENG.COM

**Pacific Engineering Design, LLC**  
Civil Engineering and Planning Consultants

**SANITARY SIDE SEWER STUB**

BLOCK No.	LOT No.	PAD ELEV.	STA.	SIZE	LENGTH	DEPTH AT P.L.	INV. AT P.L.
57	8	421.0	1+18	1.5" HDPE DR 11	5LF	3' (TYP.)	418.3
57	9	421.0	1+24	1.5" HDPE DR 11	5LF	3' (TYP.)	418.3
83	48	421.0	1+33	1.5" HDPE DR 11	55LF	3' (TYP.)	418.3
83	49	421.0	1+98	1.5" HDPE DR 11	55LF	3' (TYP.)	418.3
57	12	419.0	1+99	1.5" HDPE DR 11	5LF	3' (TYP.)	416.3
57	11	419.0	2+24	1.5" HDPE DR 11	5LF	3' (TYP.)	416.3
57	14	417.0	2+26	1.5" HDPE DR 11	5LF	3' (TYP.)	414.3
57	15	417.0	2+52	1.5" HDPE DR 11	5LF	3' (TYP.)	414.3
83	50	419.0	2+59	1.5" HDPE DR 11	55LF	3' (TYP.)	416.3
83	51	419.0	2+71	1.5" HDPE DR 11	55LF	3' (TYP.)	416.3
57	18	417.0	0+32	1.5" HDPE DR 11	5LF	3' (TYP.)	414.3
57	17	415.0	0+51	1.5" HDPE DR 11	5LF	3' (TYP.)	412.3
57	20	415.0	0+54	1.5" HDPE DR 11	5LF	3' (TYP.)	412.3
83	52	418.5	0+80	1.5" HDPE DR 11	55LF	3' (TYP.)	415.8
57	21	415.0	0+93	1.5" HDPE DR 11	5LF	3' (TYP.)	412.3
83	53	418.0	1+32	1.5" HDPE DR 11	55LF	3' (TYP.)	415.3
83	54	418.0	1+48	1.5" HDPE DR 11	55LF	3' (TYP.)	415.3
57	23	413.0	1+33	1.5" HDPE DR 11	5LF	3' (TYP.)	410.3
57	22	413.0	1+53	1.5" HDPE DR 11	5LF	3' (TYP.)	410.3
57	24	413.0	1+56	1.5" HDPE DR 11	5LF	3' (TYP.)	410.3
57	25	413.0	1+80	1.5" HDPE DR 11	5LF	3' (TYP.)	410.3
57	27	411.0	2+32	1.5" HDPE DR 11	5LF	3' (TYP.)	408.3
83	55	417.0	2+56	1.5" HDPE DR 11	55LF	3' (TYP.)	414.3
57	26	411.0	0+10	1.5" HDPE DR 11	5LF	3' (TYP.)	408.3
57	28	411.0	0+12	1.5" HDPE DR 11	5LF	3' (TYP.)	408.3
83	56	415.0	0+15	1.5" HDPE DR 11	55LF	3' (TYP.)	412.3
57	29	411.0	0+46	1.5" HDPE DR 11	5LF	3' (TYP.)	408.3

- NOTES:**
- THE MINIMUM SEPARATION BETWEEN (PARALLEL PIPELINES) WATER MAIN, WATER SERVICE LINE AND PRESSURE SEWER FACILITIES (MUST BE BELOW WATER MAIN OR WATER SERVICE) MUST BE MET, ARE AS FOLLOWS:  
HORIZONTAL ≥ 10' MEASURED EDGE TO EDGE VERTICAL ≥ 18", MEASURED EDGE TO EDGE.
  - THE MINIMUM SEPARATION BETWEEN (CROSSING PIPELINES) WATER MAIN, WATER SERVICE LINE AND PRESSURE SEWER FACILITIES (MUST BE BELOW WATER MAIN OR WATER SERVICE) MUST BE MET, ARE AS FOLLOWS:  
VERTICAL > 18" MEASURED EDGE TO EDGE
  - IF THE EXISTING WATER IS AC PIPE, IT SHALL BE REPLACED WITH SAME SIZE DUCTILE IRON PIPE 10 FEET EACH SIDE OF SEWER CROSSING BUT NO LESS THAN 2 FEET INTO BOTH TRENCH WALLS (NO CDF GRADLE ALLOWED).
  - LOCATION OF EXISTING UNDERGROUND UTILITIES WAS PROVIDED BY UTILITY LOCATE AND BY AS BUILT RECORDS. UTILITY PAINT MARKS WERE FIELD SURVEYED BY CES NW INC.
  - OTHER UTILITY SEPARATION BETWEEN PRESSURE SEWER FACILITIES MUST BE MET, ARE AS FOLLOWS:  
HORIZONTAL ≥ 3' MEASURED EDGE TO EDGE VERTICAL ≥ 6", MEASURED EDGE TO EDGE.
  - FOR PARCELS IN PEPPER HILL ESTATES AREAS, EXISTING PARCEL NUMBERS AND LOT NUMBERS WILL BE UPDATED AFTER BOUNDARY LINE ADJUSTMENTS ARE RECORDED.
  - ALL CLEANOUTS W/PIG PORTS ARE USED AS TRACER WIRE STATIONS.
  - FRAMES AND COVERS FOR CLEANOUTS/PIGPORTS NOT SUBJECT TO VEHICULAR TRAFFIC SHALL BE SET 6" ABOVE FINISHED GRADE AND BE PROTECTED BY VALVE BOX PROTECTIVE PADS.
  - LOT 48 TO 65 IN BLOCK 83 (TOTAL 18 LOTS) ARE FUTURE LOTS POTENTIALLY SERVED BY LPS SYSTEM UNTIL ANNEXATION IS APPROVED.



**LAKEHAVEN UTILITY DISTRICT PROJECT No. 6304025**  
**PEPPER HILL ESTATES**  
KING COUNTY, WA

FOR:  
PACIFIC HOUSING GROUP I, LLC  
SEATTLE, WA 98101-1346  
PHONE: (206) 521-5979 FAX: (206) 224-2880

PROJECT NO.: **05052**  
DRAWN BY: **JGC**  
ISSUE DATE: **09-30-05**  
SHEET REV.: **09-29-10**

**FORCE MAIN**  
**SANITARY SEWER**  
**56TH AVE. S**  
**STA. 22+35.37 TO**  
**STA. 30+00.00**  
**PLAN AND PROFILE**

05052SS14.DWG  
**SS14**