

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

LAKEHAVEN UTILITY DISTRICT

0 Water Plan 6 Sewer Plan

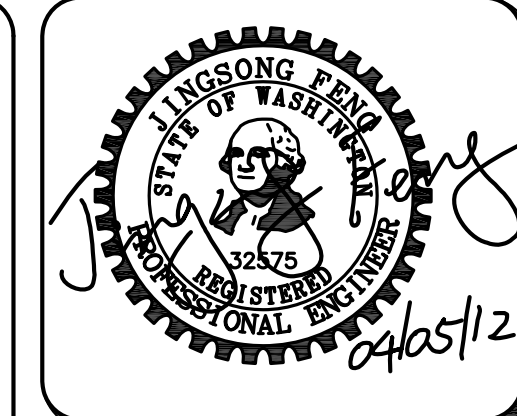
Dated _____

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

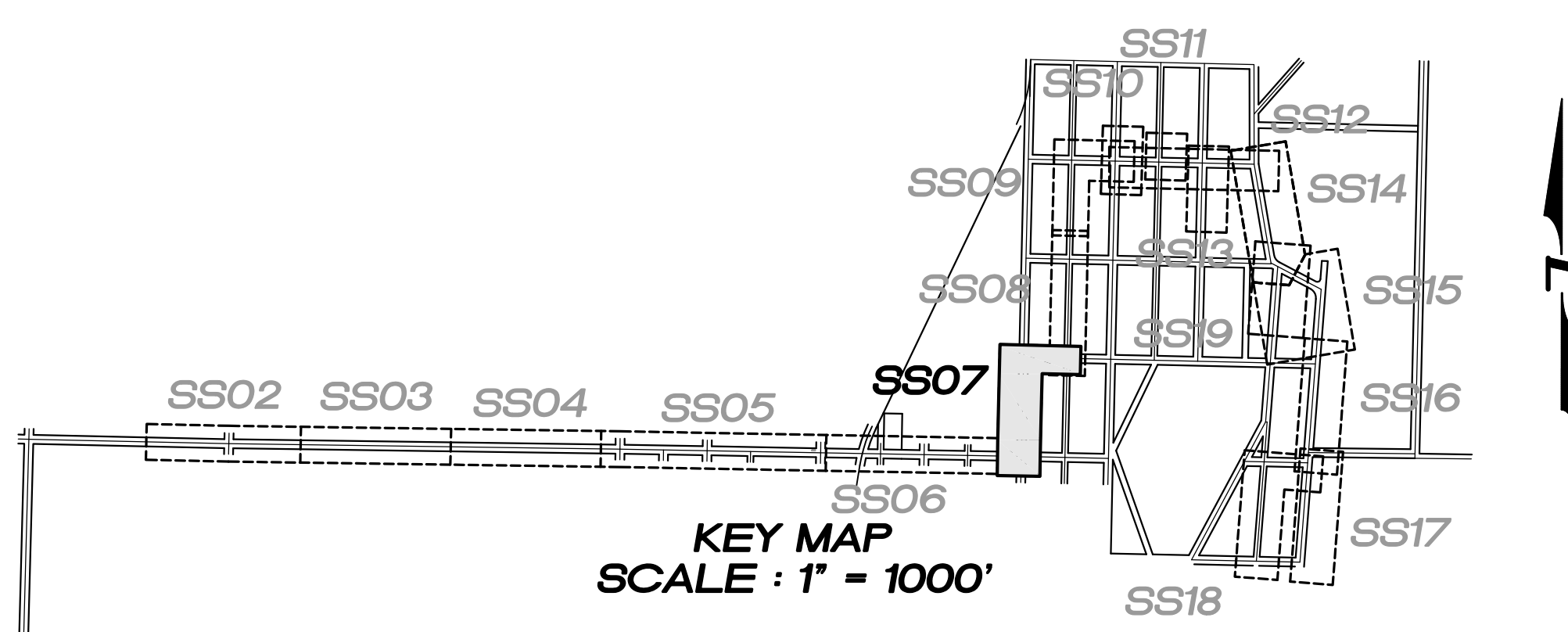
Pacific Engineering Design, LLC
Civil Engineering and Planning Consultants

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

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

FORCE MAIN
SANITARY SEWER
S 360TH ST/51ST AVE S
STA. 228+90.70 TO
STA. 238+50.33
PLAN AND PROFILE

05052SS07.DWG
SS07



VERTICAL DATUM :
NAVD 88

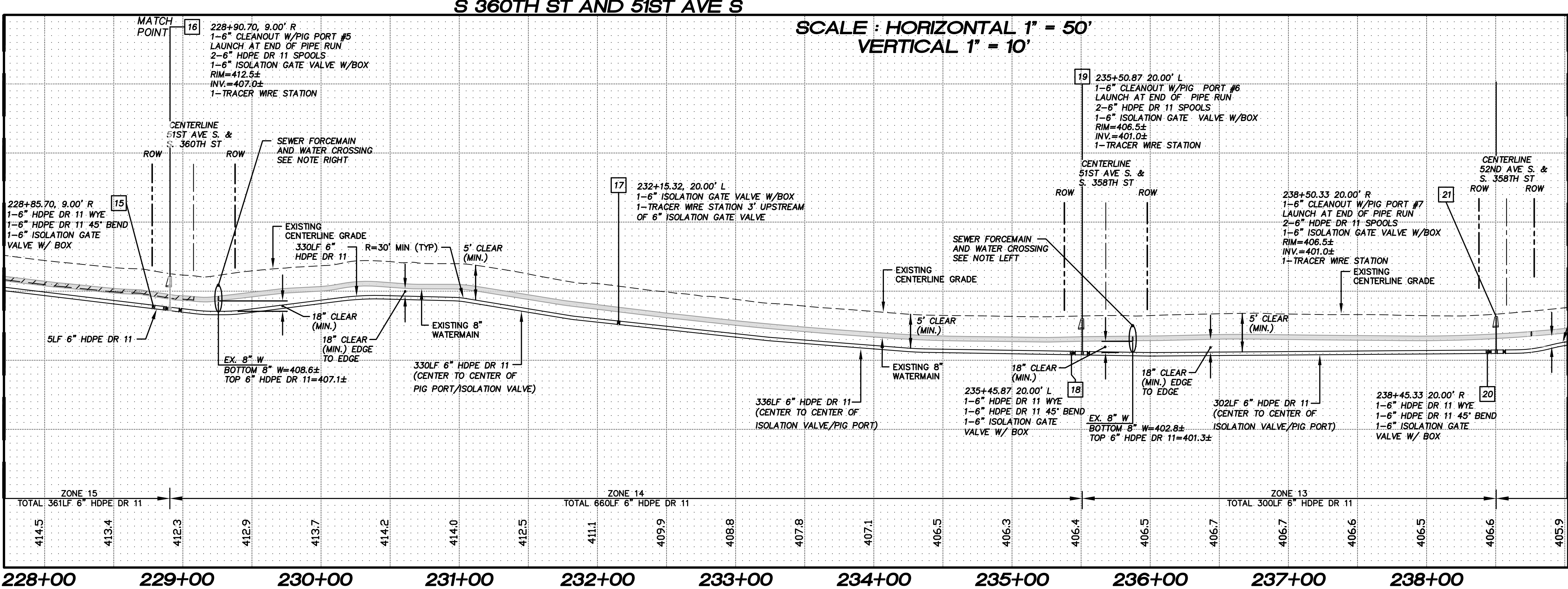
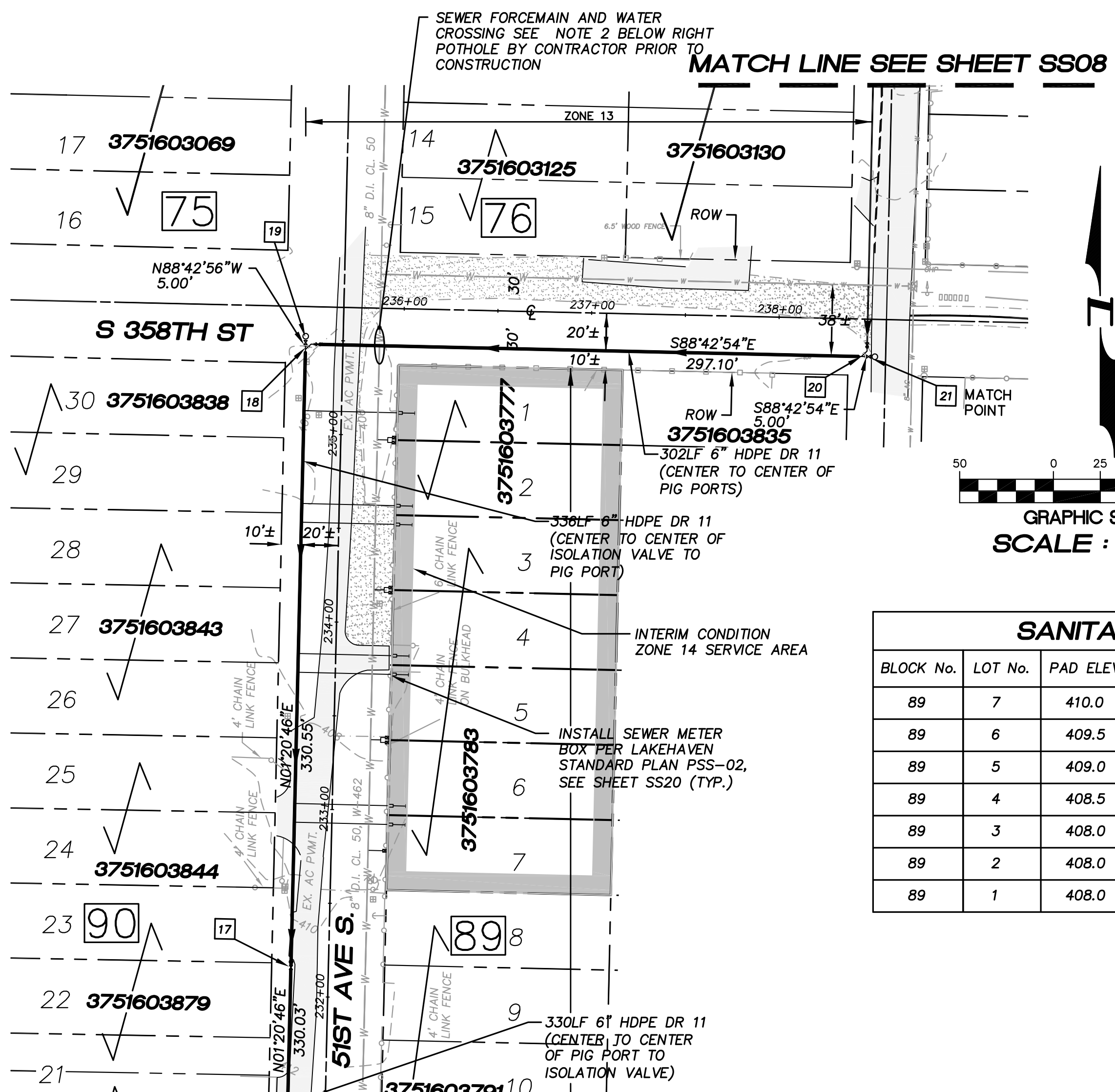
BENCH MARK :
KING COUNTY SURVEY CONTROL POINT No. 6905,
SW CORNER OF SECTION 27, T 24 N., R 4 E., W.M.,
CONCRETE MONUMENT WITH LEAD AND BRASS TACK,
SET 1.2 FEET BELOW GRADE, IN STANDARD KC MON. CASE.
ELEVATION = 367.06

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 $\geq 10'$ MEASURED EDGE TO EDGE VERTICAL $\geq 18"$, 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 $\geq 18"$ 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 CRADLE 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 $\geq 3'$ MEASURED EDGE TO EDGE VERTICAL $\geq 6"$, 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.

- 15 1-6" HDPE DR 11 WYE
1-6" HDPE DR 11 45° BEND
1-6" ISOLATION GATE VALVE W/ BOX
- 16 1-6" CLEANOUT W/PIG PORT #5
2-6" HDPE DR 11 SPOOL
1-6" ISOLATION GATE VALVE W/ BOX
- 17 1-6" ISOLATION GATE VALVE W/BOX
- 18 1-6" HDPE DR 11 WYE
1-6" HDPE DR 11 45° BEND
1-6" ISOLATION GATE VALVE W/ BOX
- 19 1-6" CLEANOUT W/PIG PORT #6
2-6" HDPE DR 11 SPOOL
1-6" ISOLATION GATE VALVE W/ BOX
- 20 1-6" HDPE DR 11 WYE
1-6" HDPE DR 11 45° BEND
1-6" ISOLATION GATE VALVE W/ BOX
- 21 1-6" CLEANOUT W/PIG PORT #7
2-6" HDPE DR 11 SPOOL
1-6" ISOLATION GATE VALVE W/ BOX

SANITARY SIDE SEWER STUB							
BLOCK No.	LOT No.	PAD ELEV.	STA.	SIZE	LENGTH	DEPTH AT P.L.	INV. AT P.L.
89	7	410.0	4+05	1.25" HDPE DR 11	50LF	3' (TYP.)	407.3
89	6	409.5	4+15	1.25" HDPE DR 11	50LF	3' (TYP.)	406.8
89	5	409.0	4+85	1.25" HDPE DR 11	50LF	3' (TYP.)	406.3
89	4	408.5	4+95	1.25" HDPE DR 11	50LF	3' (TYP.)	405.8
89	3	408.0	5+65	1.25" HDPE DR 11	50LF	3' (TYP.)	405.3
89	2	408.0	5+75	1.25" HDPE DR 11	50LF	3' (TYP.)	405.3
89	1	408.0	6+25	1.25" HDPE DR 11	50LF	3' (TYP.)	405.3



MATCH LINE SEE SHEET SS06

MATCH LINE SEE SHEET SS06

MATCH LINE SEE SHEET SS08

APPROXIMATE LOCATION EXISTING GAS, FIELD VERIFY PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY CONFLICTS.