

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

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:
HORIZONTAL $\geq 18"$ MEASURED EDGE TO EDGE VERTICAL $\geq 6"$, 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 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.

LAKEHAVEN UTILITY DISTRICT

0 Water Plan 6 Sewer Plan

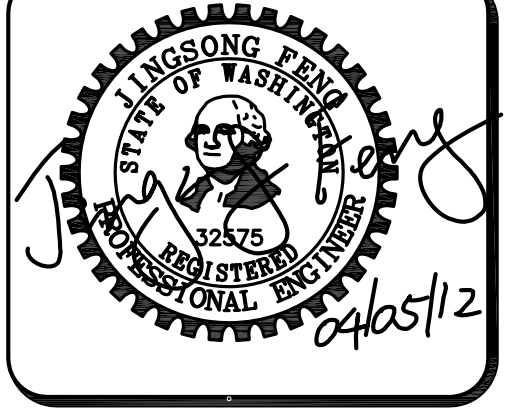
Dated _____

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.



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Pacific Engineering Design, LLC
Civil Engineering and Planning Consultants

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

FOR: PACIFIC HOUSING GROUP I, LLC
15445 53RD AVE. S.
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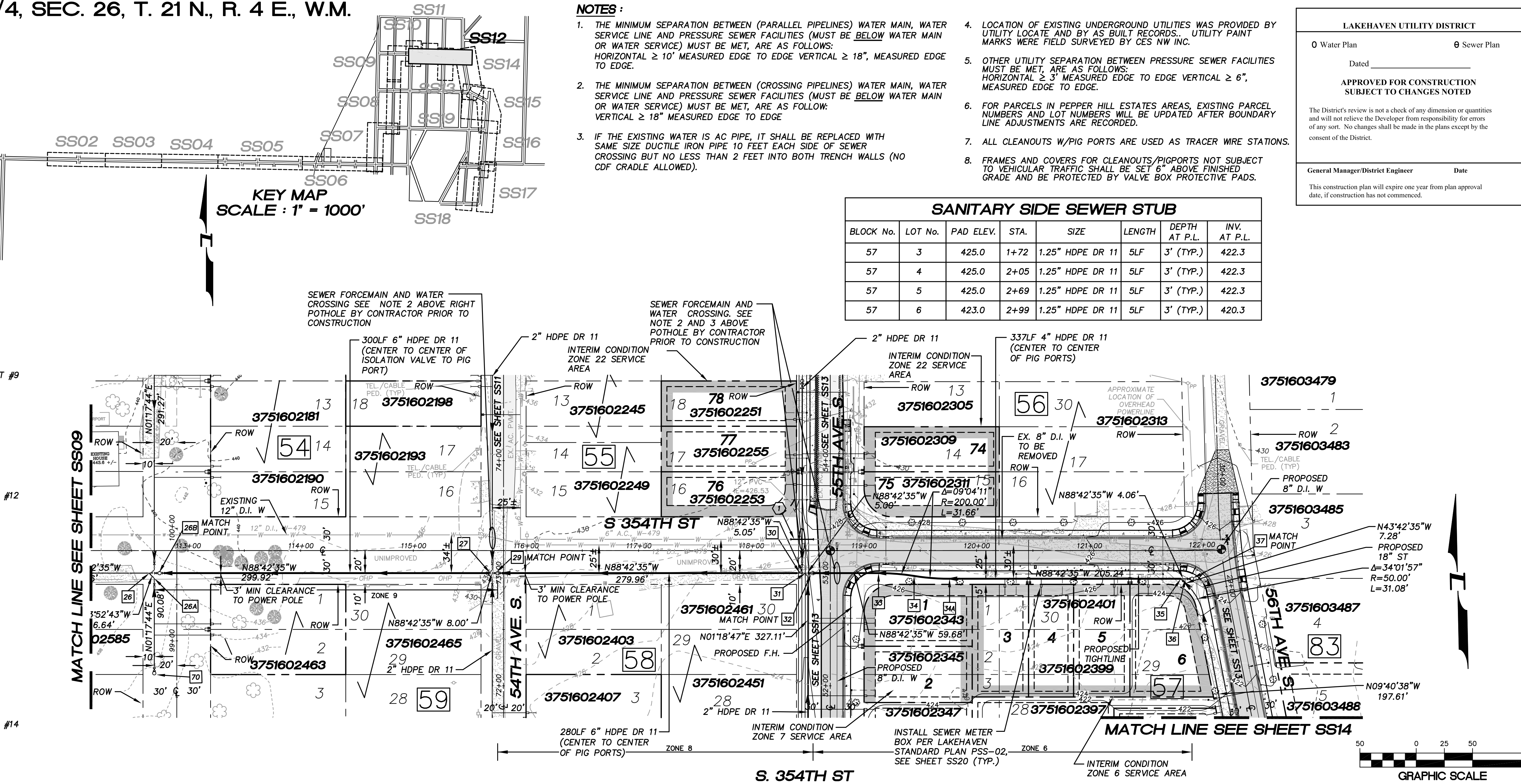
PROJECT NO.: 05052
DRAWN BY: JGC
ISSUE DATE: 09-30-05
SHEET REV.: 10-17-11

FORCE MAIN SANITARY SEWER
S 354TH ST
STA. 112+73.36 TO STA. 123+00.00
PLAN AND PROFILE

05052SS12-SS12.DWG

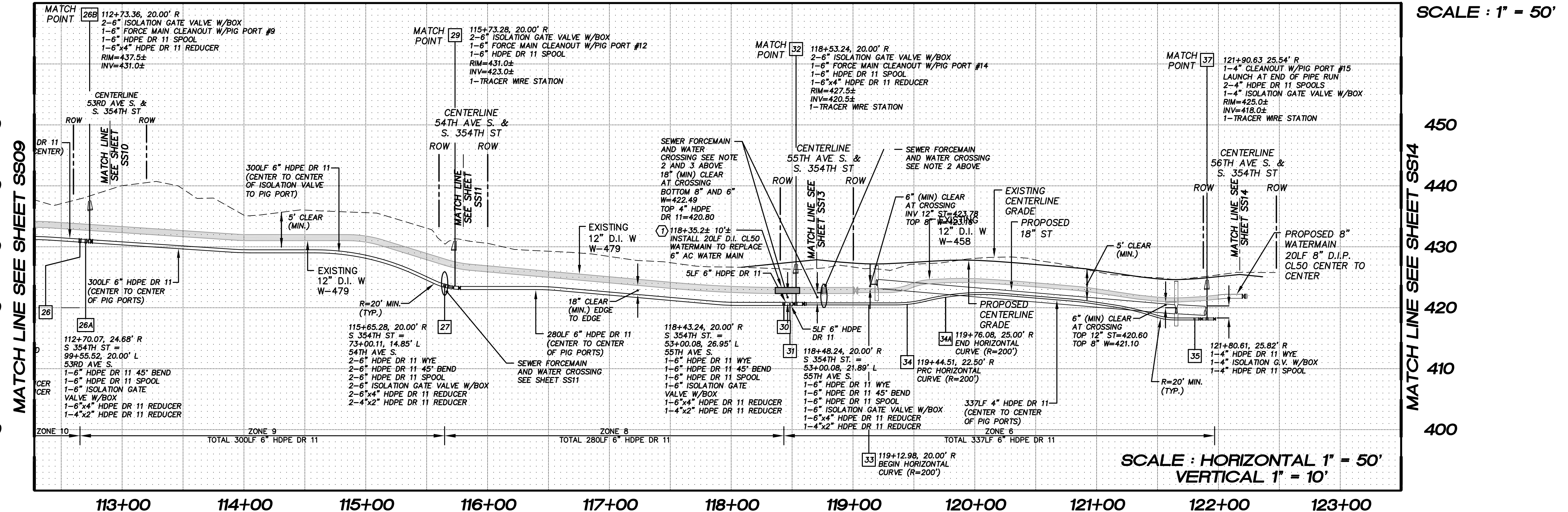
SS12

- 26 2-6" HDPE DR 11 WYE
1-6" HDPE DR 11 45° BEND
1-6" HDPE DR 11 SPOOL
1-6" ISOLATION GATE VALVE W/BOX
1-6"x3" HDPE DR 11 REDUCER
- 26A 1-6" HDPE DR 11 45° BEND
1-6" HDPE DR 11 SPOOL
1-6" ISOLATION GATE VALVE W/BOX
1-6"x2" HDPE DR 11 REDUCER
- 26B 112+73.36, 20.00' R
1-6" FORCE MAIN CLEANOUT W/PIG PORT #9
- 27 2-6" HDPE DR 11 WYE
2-6" HDPE DR 11 45° BEND
2-6" HDPE DR 11 SPOOL
2-6" ISOLATION GATE VALVE W/BOX
2-6"x4" HDPE DR 11 REDUCER
2-4"x2" HDPE DR 11 REDUCER
- 29 1-6" FORCE MAIN CLEANOUT W/PIG PORT #12
- 30 1-6" HDPE DR 11 WYE
1-6" HDPE DR 11 45° BEND
1-6" HDPE DR 11 SPOOL
1-6" ISOLATION GATE VALVE W/BOX
1-6"x4" HDPE DR 11 REDUCER
1-4"x2" HDPE DR 11 REDUCER
- 31 1-6" HDPE DR 11 WYE
1-6" HDPE DR 11 45° BEND
1-6" HDPE DR 11 SPOOL
1-6" ISOLATION GATE VALVE W/BOX
1-6"x3" HDPE DR 11 REDUCER
1-4"x2" HDPE DR 11 REDUCER
- 32 1-6" FORCE MAIN CLEANOUT W/PIG PORT #14
- 33 BEGIN HORIZONTAL CURVE (R=200')
- 34 PRC HORIZONTAL CURVE (R=200')
- 34A END HORIZONTAL CURVE (R=200')
- 35 1-4" HDPE DR 11 WYE
1-4" ISOLATION GATE VALVE W/BOX
1-4" HDPE DR 11 SPOOL
- 37 1-4" CLEANOUT W/PIG PORT #15
- 1 INSTALL 20LF D.I. CL 50 WATER MAIN TO REPLACE EXISTING 6" AC WATER MAIN



SANITARY SIDE SEWER STUB

BLOCK No.	LOT No.	PAD ELEV.	STA.	SIZE	LENGTH	DEPTH AT P.L.	INV. AT P.L.
57	3	425.0	1+72	1.25" HDPE DR 11	5LF	3' (TYP.)	422.3
57	4	425.0	2+05	1.25" HDPE DR 11	5LF	3' (TYP.)	422.3
57	5	425.0	2+69	1.25" HDPE DR 11	5LF	3' (TYP.)	422.3
57	6	423.0	2+99	1.25" HDPE DR 11	5LF	3' (TYP.)	420.3



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