

**LEGEND:**

- ▲ FIRE HYDRANT
- ▲ FIRE DEPT. CONNECTION (FDC)
- WATER METER
- BLOW-OFF VALVE
- GATE VALVE
- REDUCER
- AIR VACUUM RELEASE VALVE
- SAMPLING STATION
- TAPPING TEE
- PROPOSED FIRE LINE (BY OTHERS)
- PROPOSED WATER LINE
- W - EXIST WATER LINE

**Parcel Line Table**

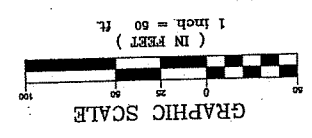
Line #	Length	Direction
L1	5.00	S 1° 30' 38" W
L2	5.00	S 1° 30' 38" W
L3	40.00	S 65° 18' 08" E
L4	35.00	S 85° 21' 21" E

Submit as-builts, flow tests, and a Certificate of Water Availability signed for occupancy prior to final inspection of any building permits.

Approved as noted - LJB  
822312

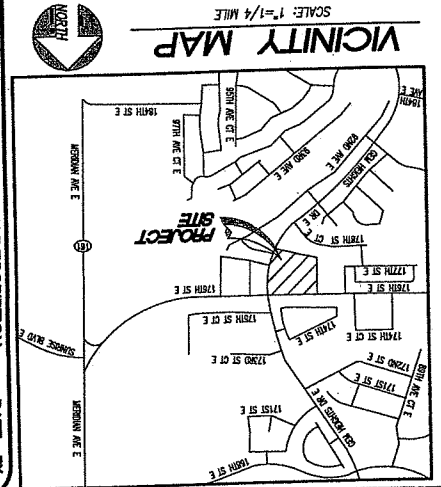
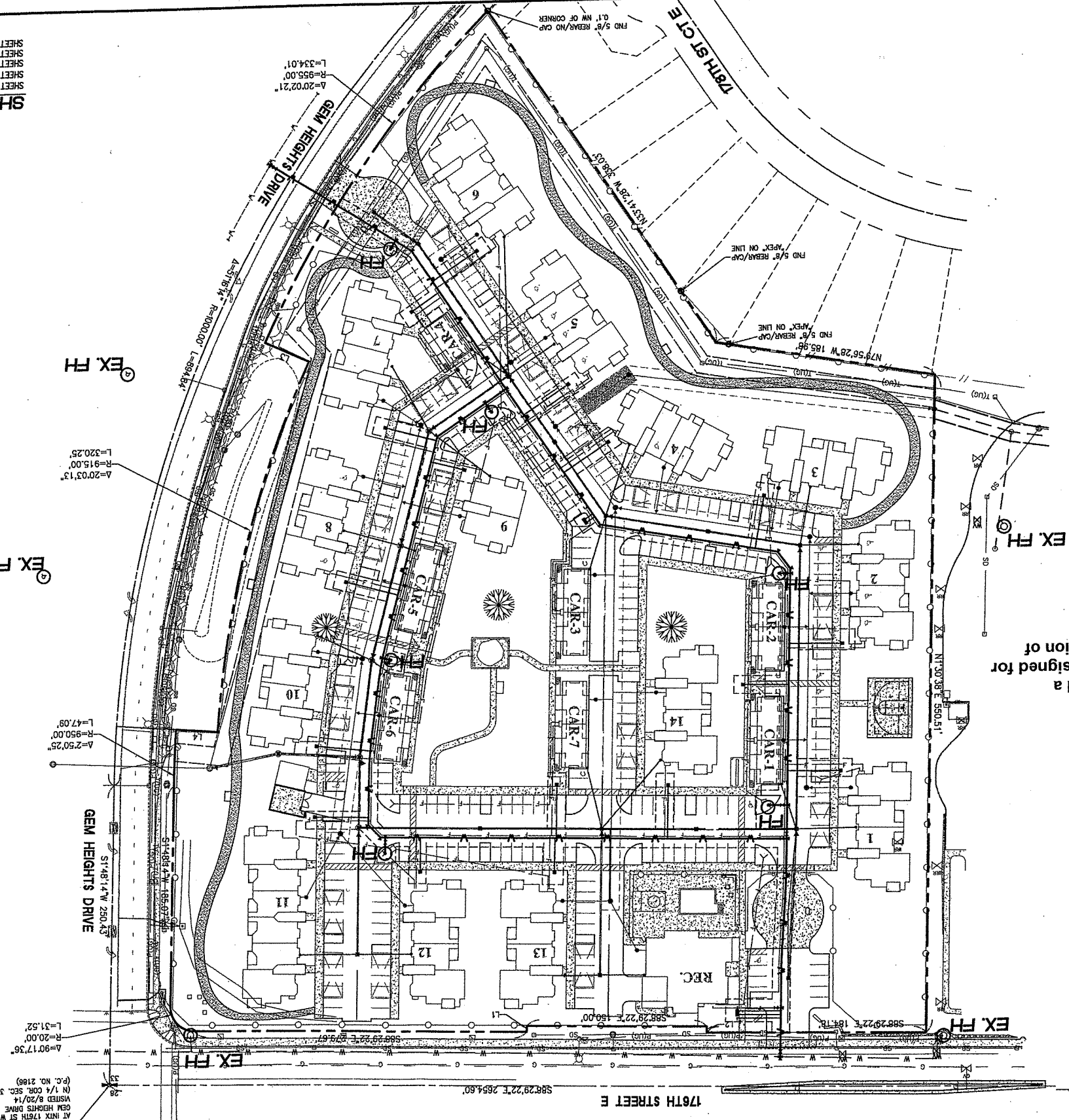
03/05/2016 10:06:40 AM

APPROVED



**RAINIER VIEW WATER COMPANY**  
SILVER CREEK APARTMENTS - WATER MAIN EXTENSION - COVER  
A PORTION OF SEC. 33, TWP. 19 N, RGE 4 E, WM  
PIERCE COUNTY, WASHINGTON

DESIGN APPROVAL, DATE 2-24-16  
*[Signature]*



**GENERAL NOTES:**

- CONSTRUCTION METHODS FOR PIPE AND FITTINGS SHALL BE IN ACCORDANCE WITH DIVISIONS 7 AND 9 OF THE LATEST EDITION OF THE STANDARD PLANS AND STANDARD SPECIFICATIONS FOR ROAD BRIDGE AND MUNICIPAL CONSTRUCTION (MST/AM) EXCEPT ALL REFERENCES TO ENGINEER SHALL BE CHANGED TO OWNER.
- PIPE MATERIAL SHALL BE CLASS 52 DUCTILE IRON PIPE.
- BLOW-OFF ASSEMBLIES SHALL BE INSTALLED WHERE SHOWN ON THE PLANS.
- AIR RELEASE VALVES SHALL BE INSTALLED WHERE SHOWN ON THE PLANS AND ALL SYSTEM HIGH POINTS.
- SAMPLING STATIONS SHALL BE INSTALLED APPROXIMATELY WHERE SHOWN ON THE PLANS OR AS NOTED PER RAINIER VIEW DIRECTION. FINAL LOCATION(S) TO BE DETERMINED IN THE FIELD BY RAINIER VIEW.
- PIPE SHALL HAVE A MINIMUM OF 36 INCHES OF COVER, EXACT DEPTH OF PIPE SHALL BE DETERMINED IN THE FIELD TO MAINTAIN POSITIVE SLOPE BETWEEN BLOW-OFFS AND AIR RELEASE VALVES.
- PRESSURE TESTING AND DISINFECTION SHALL BE IN ACCORDANCE WITH DIVISION 7 OF THE ABOVE REFERENCED SPECIFICATION.
- SOME UTILITIES SHOWN ARE BASED UPON AS-BUILT PLANS, THE LOCATIONS ARE APPROXIMATE ONLY, NOT ALL EXISTING UTILITIES AND SERVICES HAVE BEEN LOCATED OR SHOWN, THE CONTRACTOR SHALL LOCATE OR HAVE LOCATED ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION, THE ONE-CALL NUMBER IS 1-800-424-5555. NOT ALL UTILITY OWNERS OR OPERATORS SUBSCRIBE TO THE ONE-CALL SERVICE.
- EXISTENTS FINISHED AND PERMITS SHALL BE OBTAINED FOR ALL TO COMMENCEMENT OF WORK.
- ANY REQUIRED SPECIFICATIONS NOT INDICATED FOR RAINIER VIEW WATER COMPANY SHALL FOLLOW MOST CURRENT STANDARDS SPECIFICATIONS FOR RAINIER VIEW WATER COMPANY AND ANWA STANDARDS.
- ALL PIPING TO BE BEDDED 4" MINIMUM UNDER PIPE AND 6" MINIMUM OVER PIPE, BEDDING UNDER PIPE TO BE PLACED IN TRENCH PRIOR TO INSTALLING WATER MAIN.
- USE 14 GAUGE LOCATE TO TOP OF ALL VALVE BOXES AND BLOW OFF VAULTS.
- DETECTION TAPE TO BE 18" TO 24" BELOW FINISH GRADE, RUN ONLY, ALL HYDRANTS TO BE EQUIPPED WITH 5" STONER ADAPTORS, TYPE ONLY, ALL HYDRANTS TO BE TO "M", "N" & "H", OR "W" LETTER CENTRIONS.
- ALL HYDRANTS TO BE SECURED WITH SHACKLE (M) ROOFS OR MECA-LUG CONSTRUCTION.
- ALL BLOW-OFFS, AIR RELEASE VALVES, AND SAMPLING STATIONS TO MEET RAINIER VIEW WATER COMPANY APPROVAL PRIOR TO INSTALLATION.
- ALL BLOW-OFFS TO BE INSTALLED WITH CONCRETE BLOW-OFF/METER BOX, SET TO FINISH GRADE AND MEETING HS-20 LOADING STANDARDS.
- ALL BENDS, CAPS, TEES, WYES AND FITTINGS TO BE THRUST BLOCKED.

**RAINIER VIEW WATER COMPANY NOTES:**

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**NOTE:**

THE LOCATIONS OF THE WATER METERS SHOWN ARE APPROXIMATE ONLY, METERS SHALL BE LOCATED WITHIN R.O.M. OR UTILITY ASSESSMENT AT PROPERTY LINES, METER LOCATIONS IN UTILITY AND SERVICES HAVE BEEN LOCATED OR SHOWN, THE CONTRACTOR SHALL LOCATE OR HAVE LOCATED ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

SOME EXISTING UTILITIES SHOWN ARE BASED UPON AS-BUILT PLANS, THE LOCATIONS ARE APPROXIMATE ONLY, NOT ALL EXISTING UTILITIES AND SERVICES HAVE BEEN LOCATED OR SHOWN, THE CONTRACTOR SHALL LOCATE OR HAVE LOCATED ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

THE BOUNDARY AND SITE LAYOUT INFORMATION SHOWN HEREON WAS TAKEN FROM THE BARGHAUSEN DESIGN RECEIVED 10/21/15.

**SHEET INDEX**

SHEET 1	COVER SHEET
SHEET 2	NORTH 1/2 PLAN
SHEET 3	SOUTH 1/2 PLAN
SHEET 4	NOTES AND DETAILS
SHEET 5	NOTES AND DETAILS

**PROJECT MANAGER**  
KIM A. BAUGER, P.E.

**DESIGNER**  
R.B.

**DRAWN**  
R.B.

**CHECKED**  
K.A.B.

**SCALE**  
1"=50'

**DATE**  
11-09-15

**FILE NO.**  
322716

**SHEET 1 OF 5**

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**CLIENT**  
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TACOMA, WA 98448-0427  
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Tacoma, Washington 98409-7479  
(253) 473-4194 FAX: (253) 473-0589

REV. NO.	REVISION DESCRIPTION	DATE	BY

Dwg #1  
Exhibit B