

SPECIFICATIONS & NOTES

PIPE TYPE

4" DOUBLE LINE
4" DOUBLE LINE

CAST IRON FITTINGS

Cast-iron fittings shall be manufactured in conformance with the requirements of the following specifications: ASA A21.10, AWWA C110. Fittings may be manufactured for use with the commonly acceptable rubber gaskets used with asbestos-cement water pipe or mechanical joint. Flanged fittings shall be provided when required.

BLOW-OFF ASSEMBLY

Blow-off assemblies shall be installed where shown on the plans.

Blow-off shall consist of 2" galvanized pipe nipple tapped into end of 6" pipe cap, 2" gate valve, N.R.S. with 2" square operating nut, galvanized pipe nipple with double elbow swing joint. 2" blow-off pipe shall extend 18" minimum above ground and end with a plugged 90° elbow. Operating valve shall be covered with standard cast iron valve box. Double swing elbow shall rest on and be block with pre-cast concrete bricks and a poured concrete block.

FIRE HYDRANTS

Fire hydrants shall have 5 1/4" M.V.O. with 2 2-1/2" N.S.T. hose nozzles, 1-4" PCT pumper, 6" M.J. inlet, for 3-1/2' trench. Hydrants shall be Iowa. Hydrants shall be installed in accordance with the American Public Works Association Standard Specifications Hydrant Setting Type A as shown on Standard Plan No. 64, except center of hydrant shall be located 2' from the property line; and gate valve shall be flanged to main line tee.

SERVICE CONNECTIONS

- Service saddles shall be single strap all bronze, Jones J-975 or equal.
- Corporation stops shall be bronze with iron to copper threads and have the full inside diameter specified. Corporation stops shall be Jones J-1405, Mueller No. H-15025 or equal.
- Service pipe shall be 1" or 3/4" type K Copper in compliance with AWWA 78-CR. One 1" service line shall be installed for each two lots and shall terminate at the property line with a bronze "U", 3/4" copper pigtail and 2 meter setters.
- Meter boxes shall be concrete with concrete lid and steel access plate. Box size shall be No. 1-D.
- Meters: 5/8" x 3/4" American or Hershey, frost bottom, S.R.C.F. register. Contractor shall install all services and complete the installation except the actual meter shall not be connected but shall be delivered to the Superintendent of the Town of Ferndale.

TESTING

All mains and appurtenances shall be tested to Town of Ferndale requirements.

DISINFECTION

Upon completion of the leakage tests, the entire waterworks system and appurtenances shall be disinfected until a satisfactory bacteria count is reported by the County Health Department. Disinfection methods shall comply with Washington State Department of Health, Division of Public Health Engineering, "Sanitary Procedures to be followed for the Installation of Water Mains." These procedures may be obtained from the Washington State Board of Health, Division of Public Health, 1412 Smith Tower, Seattle, Washington.

MATERIALS AND WORKMANSHIP

Materials and workmanship shall comply with applicable Town of Ferndale and County regulations and manufacturer's recommendations and shall be installed under Town supervision.

CONTRACTOR MUST NOTIFY TOWN SUPERINTENDENT IN AMPLE TIME SO THAT SUPERINTENDENT MAY BE PRESENT BEFORE OPENING ANY CUTS ACROSS EXISTING PAVEMENTS.

NOTICE TO BIDDERS

BY SUBMISSION OF BIDS FOR THE CONSTRUCTION OF THIS PROJECT, THE SUCCESSFUL BIDDER SHALL AGREE THAT THE OWNER MAY DEDUCT FROM MONIES OWING TO THE CONTRACTOR THE COST OF SURVEYING AND ENGINEERING SERVICES NECESSARY TO RESET LOT CORNERS, STAKES AND MONUMENTS DESTROYED BY THE CONTRACTORS OPERATION.

APPROVAL

EXAMINED & APPROVED THIS _____ DAY OF _____ 1977.

FOR TOWN OF FERNDALE

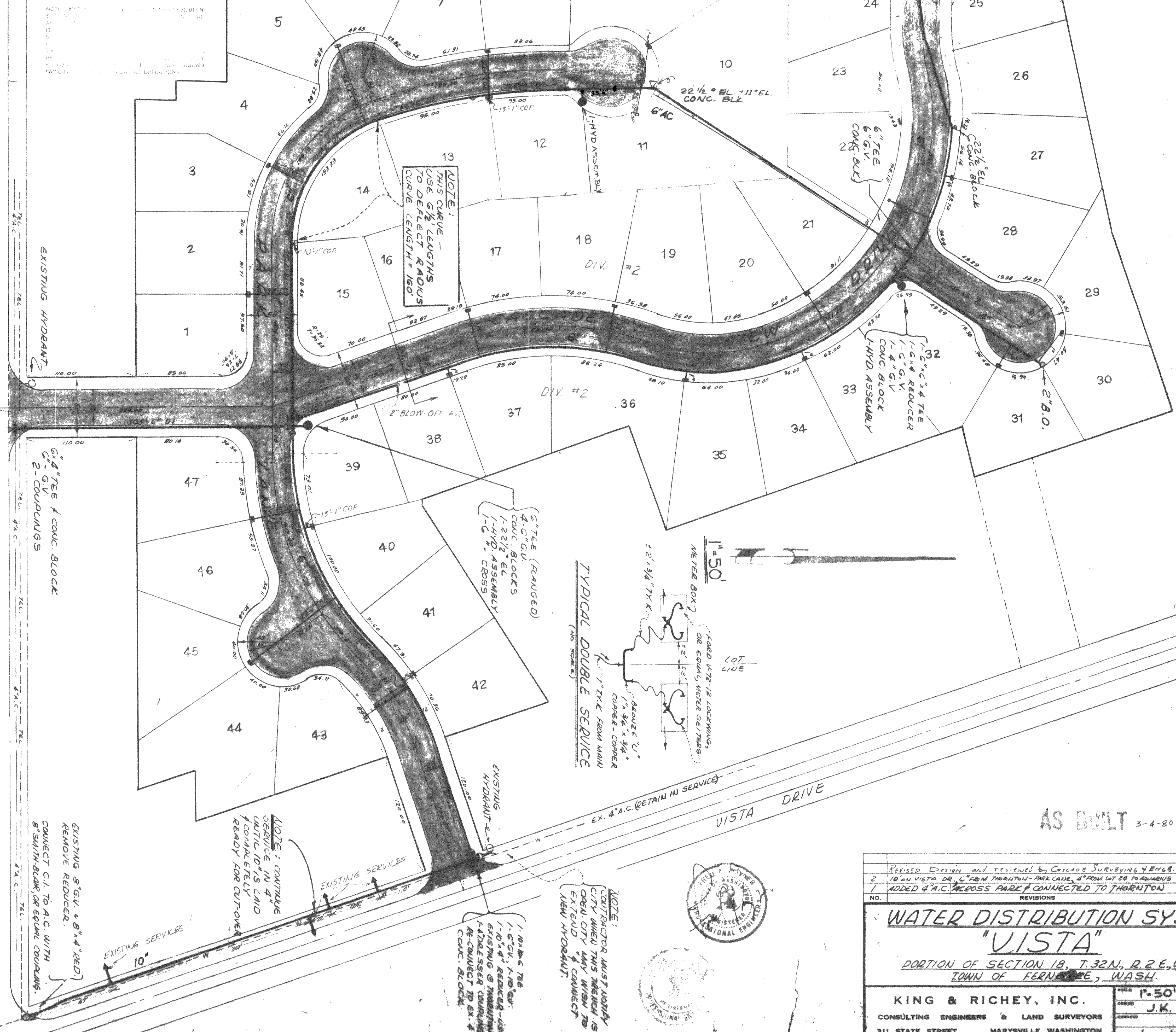
SYMBOL LEGEND

- GATE VALVE
- SINGLE 3/4" SERVICE
- DOUBLE SERVICE (1")
- BLOW-OFF ASSEMBLY
- HYDRANT ASSEMBLY

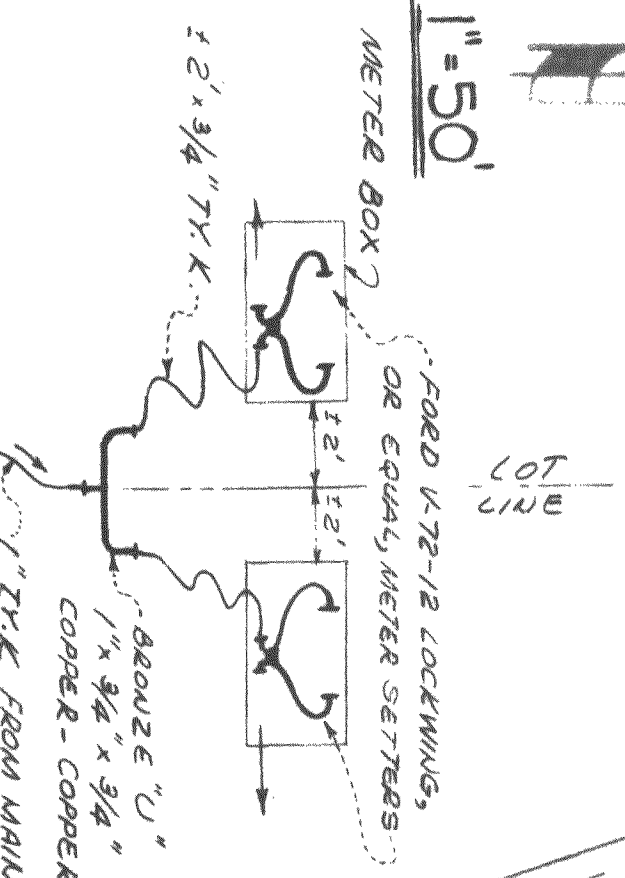
NOTE: EXISTING UNDER GROUND FACILITIES HAVE BEEN SHOWN ON THIS DRAWING FOR THE PURPOSE OF ASSISTING THE CONTRACTOR IN LOCATING SAID FACILITIES IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK FOR A TOTAL LOT OF LOTS IN THE FIELD AND CHECK FOR ANY OTHER FACILITIES THAT MAY HAVE UNDERGROUND FACILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO UNDERGROUND FACILITIES RESULTING FROM HIS OPERATIONS.

THORNTON ROAD

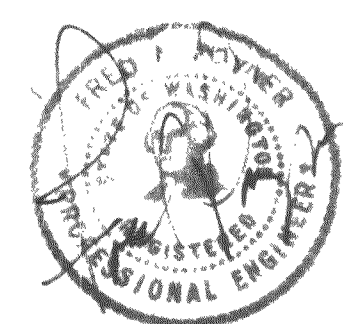
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TYPICAL DOUBLE SERVICE (NO SCALE)



NOTE: CONTRACTOR MUST NOTIFY CITY WHEN THIS REACH IS OPEN. CITY MAY WISH TO EXTEND & CONNECT NEW HYDRANT.



REVISED DESIGN AND REVIEWED BY CASCADE SURVEYING & ENG.		DATE	BY
2	10 ON VISTA DR. C" FROM THORNTON - PARK CAME 4" FROM LOT 68 TO AQUARIUS	3/21/78	J.K.
1	ADDED 4" A.C. ACROSS PARK & CONNECTED TO THORNTON	3/17/78	J.K.
NO. REVISIONS		DATE	BY
WATER DISTRIBUTION SYSTEM "VISTA" PORTION OF SECTION 18, T.32N., R.2E., W.M. TOWN OF FERNDALE, WASH.			
KING & RICHEY, INC. CONSULTING ENGINEERS & LAND SURVEYORS 311 STATE STREET MARYSVILLE, WASHINGTON		SCALE 1"=50' DRAWN J.K. CHECKED J.K. FILE NO. 629-12-1	DATE 1/21/78 BY J.K.

00347.00 2.10.00

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