

VICINITY MAP

#### STORMWATER NOTES:

- 1. THE PAVED AREAS ARE GRADED TO ENABLE RUNOFF TO BE ROUTED DIRECTLY TO RAINGARDENS (BIORTENTION) FOR TREATMENT.
- 2. THE ONSITE SOIL IS NOT SUITABLE FOR INFILTRATION THEREFORE THE RAINGARDENS WILL HAVE UNDERDRAINS. ALL THE RUNOFF FROM THE RAINGARDENS AND THE REST OF THE SITE INCLUDING ROOFS AND LANDSCAPE AREAS WILL BE ROUTED TO ONE OF THE TWO DETENTION FACILITIES AND DISCHARGED TO THE WETLAND.
- THE DETENTION AND TREATMENT FACILITIES HAVE BEEN DESIGNED TO MEET THE REQUIREMENTS OF THE STORWATER MANUAL FOR WESTERN WASHINGTON
- 4. THE STORM WATER FACILITYIES WILL BE PRIVATELY OWNED AND MAINTAINED
- 5. STORM SEWER ACCESS AND INSPECTION EASEMENTS WILL BE DEDICATED TO CITY OF CAMAS AS REQUIRED.

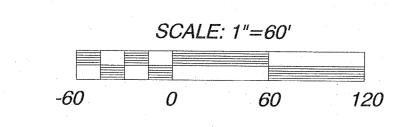
#### WATER NOTES:

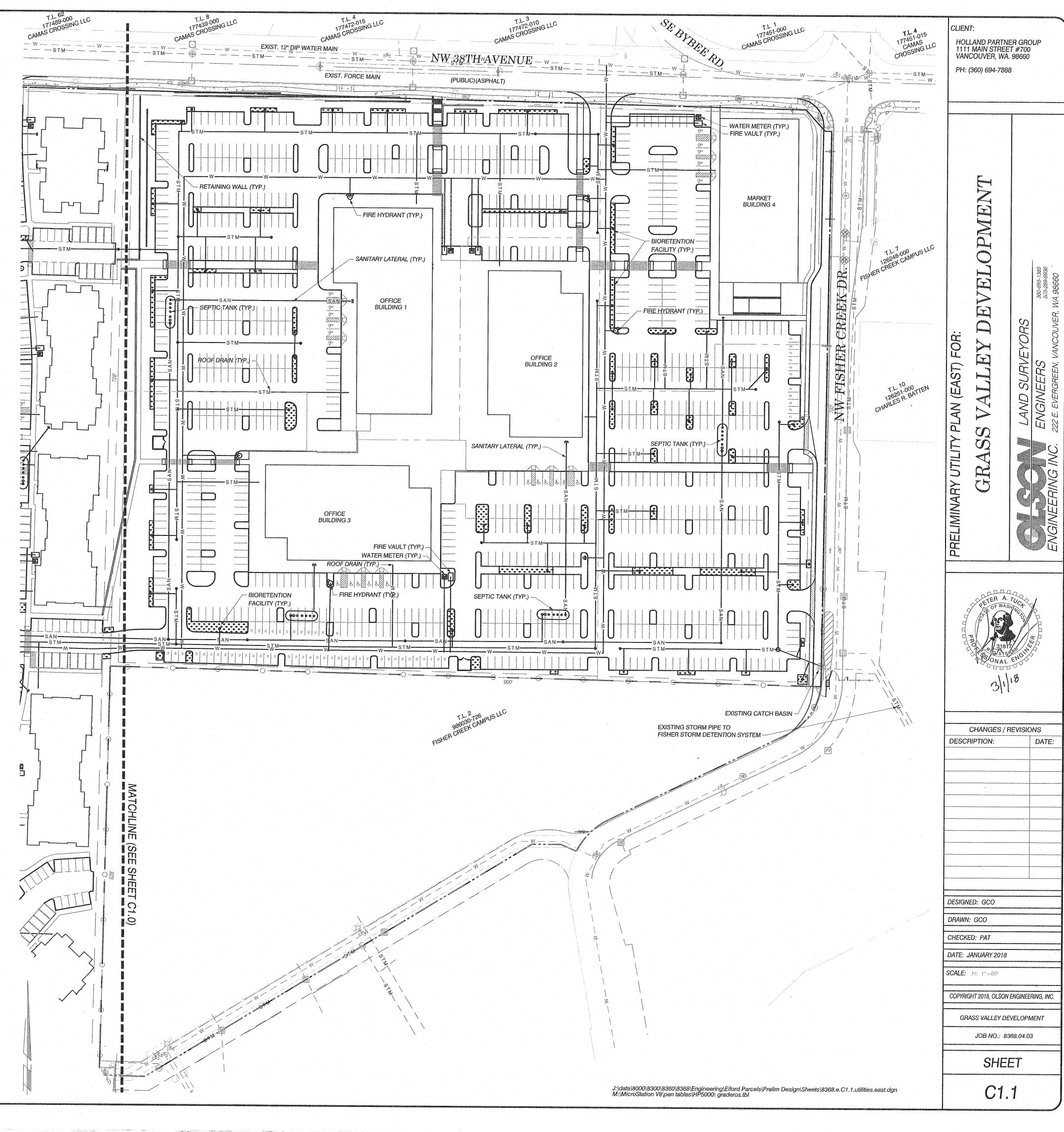
- 1. THERE IS A 12" DUCTILE IRON WATER MAIN IN NW 38TH AVENUE.
- 2. AN 8" WATER MAIN WILL BE CONNECTED TO THE EXISTING 12" MAIN IN 38TH AVE. IN THE VICINITY OF THE ENTRANCE TO THE MULTI FAMILY PORTION OF THE SITE AND LOOPED THROUGH THE RESIDENTIAL AREA AS WELL AS THE COMMERCIAL AREA AND CONNECT BACK INTO THE 12" MAIN IN 38TH IN THE VICINITY OF THE NORTH ENTRANCE TO THE COMMERCIAL PORTION.
- 3. PROPOSED FIRE HYDRANTS ARE SHOWN ON PLAN AND WILL BE LOCATED DURING FINAL DESIGN AS REQUIRED BY THE FIRE MARSHALL.
- 4. A POTABLE WATER SERVICE AND FIRE LINE WILL BE PROVIDED FOR EACH BUILDING (RESIDENTIAL AND COMMERCIAL)
- 5. WATER EASEMENTS WILL BE DEDICATED TO THE CITY OF CAMAS AS REQUIRED.

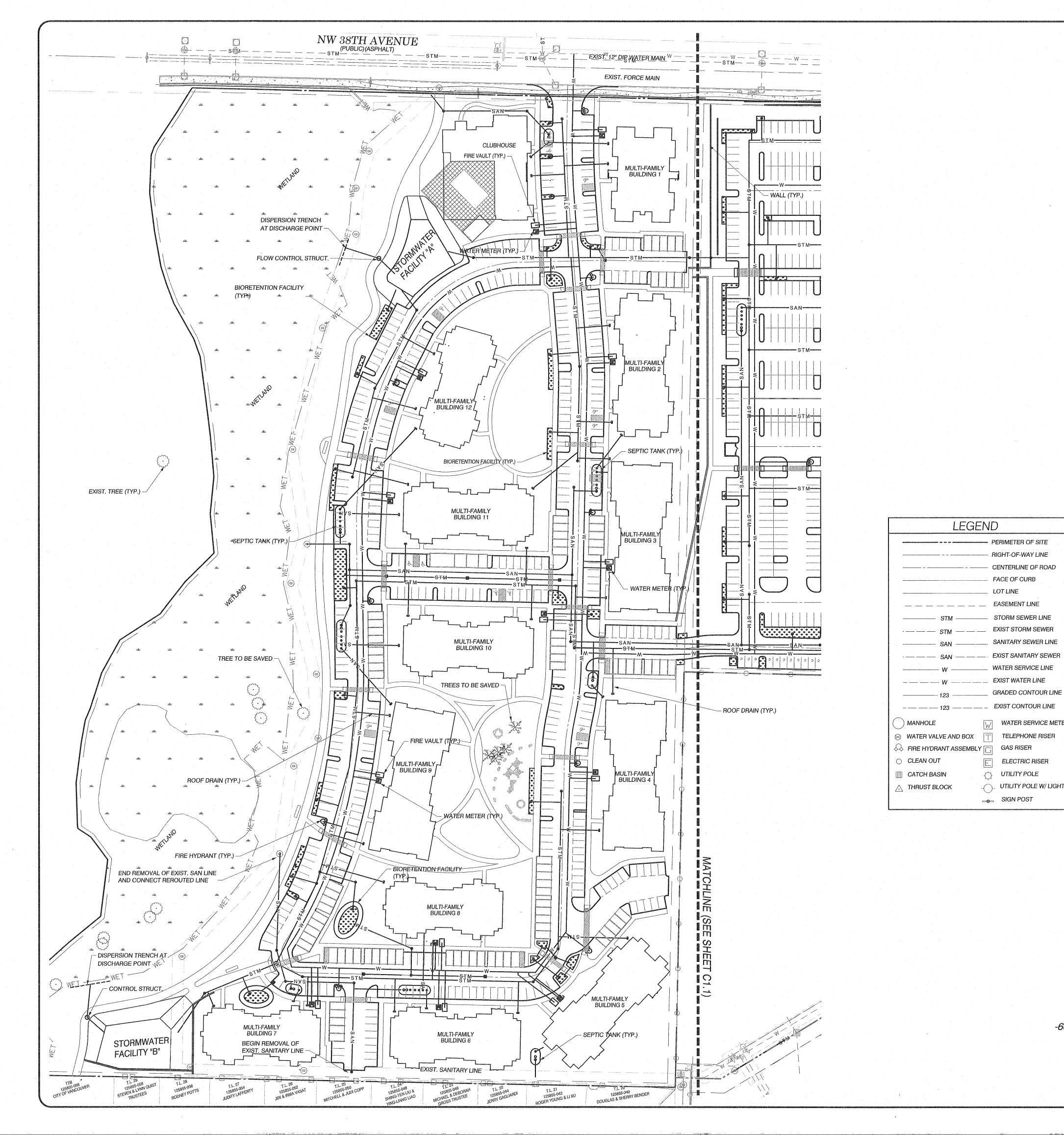
## SANITARY NOTES:

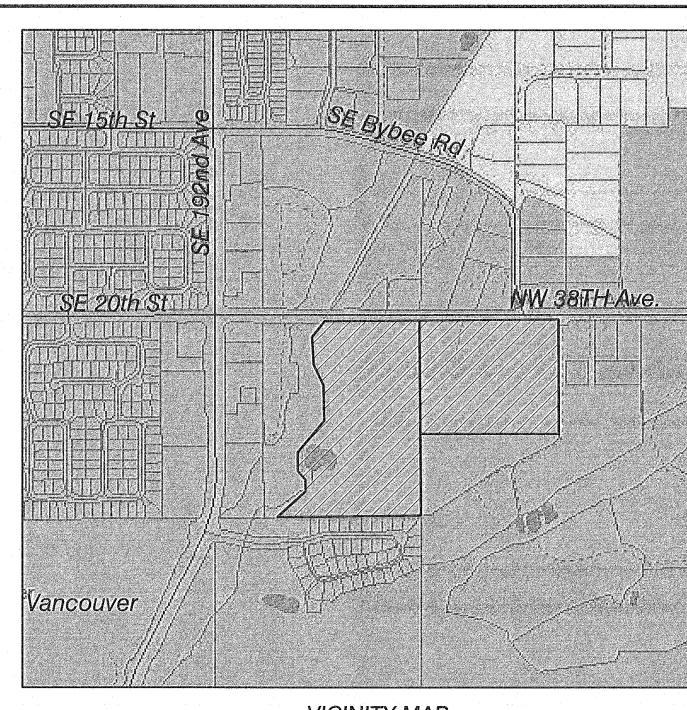
1. THE PROPOSED BUILDINGS WILL EACH BE SERVED BY A 6" GRAVITY LATERAL WHICH WILL DISCHARGE TO A SEPTIC TANK AS SHOWN. THE SEPTIC TANKS WILL DISCHARGE TO THE PROPOSED STEF SYSTEM AND TIE INTO THE EXISTING SANITARY STEF LINE TO THE SOUTH AND WEST OF THE DEVELOPMENT AND ULTIMATELY TO THE PUMP STATION LOCATED TO THE NORTH OF NW 38TH AVE.

	LEGEND
	PERIMETER OF SITE
	RIGHT-OF-WAY LINE
	FACE OF CURB
,	LOT LINE
	EASEMENT LINE
	STM STORM SEWER LINE
	STM EXIST STORM SEWER
	———— SAN ———— SANITARY SEWER LINE
	SAN EXIST SANITARY SEWER
	WATER SERVICE LINE
	W EXIST WATER LINE
	GRADED CONTOUR LINE
	123 EXIST CONTOUR LINE
	MANHOLE WATER SERVICE METER
	⊗ WATER VALVE AND BOX   ⊤ TELEPHONE RISER
	○ CLEAN OUT ☐ ELECTRIC RISER
	CATCH BASIN UTILITY POLE
	∴ THRUST BLOCK UTILITY POLE W/ LIGHT
	SIGN POST









**VICINITY MAP** 

## STORMWATER NOTES:

LEGEND

- RIGHT-OF-WAY LINE

FACE OF CURB

EASEMENT LINE

STORM SEWER LINE

EXIST STORM SEWER

SANITARY SEWER LINE

WATER SERVICE LINE

GRADED CONTOUR LINE

ELECTRIC RISER

UTILITY POLE W/ LIGHT

UTILITY POLE

SIGN POST

WATER SERVICE METER

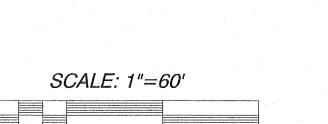
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120

J:\data\8000\8300\8360\8368\Engineering\Eiford Parcels\Prelim Design\Sheets\8368.e.C1.0.utilities.west.dgn M:\MicroStation V8\pen tables\HP5000\street paving.tbl

HOLLAND PARTNER GROUP 1111 MAIN STREET #700 VANCOUVER, WA. 98660

PH: (360) 694-7888

OPINEN



CHANGES / REVISIONS **DESCRIPTION:** DATE:

DESIGNED: GCO

DRAWN: GCO CHECKED: PAT

DATE: JANUARY 2018

SCALE: H: 1"=00"

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GRASS VALLEY DEVELOPMENT JOB NO.: 8368.04.03

SHEET

C1.0