

**LEGEND AND QUANTITY ESTIMATE**

Symbol	Description	Quantity	Notes
—	1 1/4" ST. LT. CONDUIT	270 LF.	PUBLIC
○	TCO TOP OF CLEAN OUT		
□	EX DROP INLET		
⊗	EX TRAFFIC SIGNAL HEAD		
○	STREET LIGHT 250 WATT HPS LUMINAIRE	1 EA.	
○	EX STREET LIGHT		
⊙	STD. FIRE HYDRANT ASSEMBLY PER UDACS STD. PLATE #7	2 EA.	
⊙	8" x 6" M.J. TAPPING TEE	2 EA.	
⊙	6" TAPPING VALVE	2 EA.	
○	AC PAVEMENT PATCH PER U.S.D. #504		
■	2" COPPER SERVICE CONNECTION & METER PER UDACS STD. PLATE #1D	1 EA.	
■	2" RPPA PER UDACS STD. PLATE #11A	1 EA.	
■	JENSEN 1000 GALLON GREASE INTERCEPTOR MODEL 1000EE W/CAST IRON FRAME AND COVER	1 EA.	
○	SEWER INVERT UNKNOWN—VERIFY PRIOR TO ANY CONSTRUCTION		
○	6" GATE VALVE	1 EA.	
○	6' x 6' LVWD EASEMENT	2 EA.	
○	8" x 8" M.J. TAPPING TEE	1 EA.	
○	8" TAPPING VALVE	1 EA.	
○	8" CAP	1 EA.	
○	8" PVC WATER	74 LF	142 LF
○	6" PVC WATER		5 LF
○	2" PVC WATER	66 LF	169 LF
○	2" COPPER WATER		31 LF
○	8" PVC SEWER		4 EA.
○	6" PVC SEWER		
○	4" PVC SEWER		
○	6" SEWER CLEAN OUT w/ BOX, TRAFFIC RATED LID, & CONCRETE COLLAR		2 EA.
○	4" SEWER CLEAN OUT w/ BOX, TRAFFIC RATED LID, & CONCRETE COLLAR		1 EA.
○	48" MANHOLE		2 EA.

**VICINITY MAP**  
N.T.S.  
SEWER CONTRIBUTION  
AVERAGE = 0.0003 MGD  
PEAK = 0.0012 MGD

CONDITIONAL APPROVAL OF VALVED OUTLET (6" & LARGER)  
THE WATER PLANS SHOW ONE OR MORE VALVED OUTLETS. THESE OUTLETS ARE NECESSARY FOR THE INSTALLATION OF THESE OUTLETS IS ACCEPTABLE. HOWEVER, IF THE OUTLETS ARE INCORRECTLY LOCATED OR NOT USED FOR ANY REASON WHEN THE PROPERTY IS ACTUALLY DEVELOPED, THE DEVELOPER SHALL ABANDON THE OUTLETS AT THE CONNECTION TO THE ACTIVE MAIN IN ACCORDANCE WITH DISTRICT 5 STANDARDS AND AT THE DEVELOPERS EXPENSE.

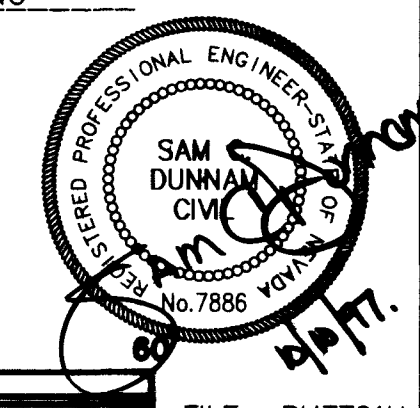
**FIRE FLOW CALCULATIONS**

FIRE FLOW REQUIREMENT IS: 2000 gallons per minute at 20 psi residual pressure.

BASED ON:

SQUARE FOOTAGE:	5,362 square feet
LARGEST AREA BETWEEN 4-HOUR AREA SEPARATION WALLS:	5,362 square feet
BUILDING HEIGHT:	36.5 feet
NUMBER OF STORIES:	2 floor
TYPE OF CONSTRUCTION:	V-N
OCCUPANCY:	A-3
FULL AUTOMATIC FIRE SPRINKLER SYSTEM:	NO

Reviewed By: *[Signature]*  
Date: 5/22/98  
1st Approved 4/07/98  
Approved *[Signature]* 6-01-98



NO.	DATE	REVISION
1	0/17	REV. PER SW GAS CHK PRNT
2	11/20	move th. & meter
3	7/16	REV. LVWD EASEMENT
4	6/11	REV. SEWER & WATER
5	5/20	SEWER/ FIRE HYD./ WATER

**DUNNAM CIVIL ENGINEERS**  
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**PUTTERS II**  
UTILITY PLAN

