






| SANITARY SIDE SEWER PUMP SPECIFICATIONS |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: |
| GENERAL DESCRIPTION | SUBMERSILELE SEWAGE |  |  |  |  |  |
| EJECTOR PUMP |  |  |  |  |  |  |

NOTES

1. THESE SPECIIICATIONS ARE SCHEMATIC IN NATURE AND SHALL BE
2. PUMP FLOATSICONTROLS AND DISCHARGE VALVES SHALL BE FIELD
TESTED AND ADUSTTED TO ACHIEVE DESIGN LIOW AND OPTIMUM PUMP CYCLE TMMES PER MANUFACTURERSSRECOMHENDATION 3. DUPLEX PUMP STATION IS REQUURED.

| STORMWATER PUMP SPECIFICATIONS |  |
| :---: | :---: |
| GENERAL DESCRIPTION | SUBMERSIBLE STORMWATER EJECTOR PUMP |
| DESIGN FLOw \& TDH | 40 GPM @ $21.96^{\prime}$ TDH (BASED ON FORCE MAIN DIAM. AND LENGTH PER PLAN DOUBLED TO ACCOUNT FOR MINOR LOSSES |
| MINIMUM SOLIDS HANDLING | $3 / 4{ }^{\text {M M }}$ |
| PUMP EFFICIENCY | PER MANUFACTURER'S RECOMMENDAFINSS OPERATING RANGE |
| PUMP ELECTRICAL | SINGLE PHASE |
| PUMP CONTROLS | PER MANUFACTURER'S RECOMMENDATIONS |
| PUMP MOUNTING \& DISCHARGE | PER MANUFACTURER'S RECOMMENDATIONS |
| DISCHARGE MANIFOLD | PER MANUFACTURER'S RECOMMENDATIONS |
| FORCE MAIN \& FITTINGS | 3" (USED FOR TDH CALCSS. CAN USE 2" MIN UP TO 4" MAXBUT REQURES RECALCULATION OF TDH) |
| CONTROLFLOAT SPECIFICATIONS | PER MANUFACTURER'S RECOMMENDATONS |

NOTES

1. THESE SPECIIICATIONS ARE SCHEMATIC IN NATURE AND SHALL BE
2. PUMP FLOATS/CONTROLS AND DISCHARGE VALVES SHALL BE FIELD
TESTED AND ADJUSTED TO ACHIEVE DESIGN FLOW AND OPTIMM PUMP CYCLE TMMES PER MANUFACTURER'S RECOMMENDATIONS, 3. DUPLEX PUMP STATION IS REQURED.




PUMP GENERAL NOTES:
IF A PUMP IS REQUIRED TO CONNECT THE SIDE
SEWR FRCE INETO AIE SEEER OR PUBLIC
MAIN THE PERMITTEE SHIDE MAIN THE PERMITEE ASALL ATTAEHA COPYOF
THE PUMP MANUFACTURERSS SPECIICATONSTO



PUMPS SHALL BE SPECIFIICALLY YESIGNED FOR THE WASTEWATER DISCHARGESS USING THE PUMP
MANUACTURERS RECOMMENDED OPERATING MANUACTU
GUIDELINES.
3. NO MORE THAN ONE PROPERTY SHALL BE FORCE-LINE.
. SEPARATE PUMP SYSTEMS (WET WELLS, PUMPS ETC) ARE REQURED FORDRANANGEAND PU
WASTEWATER APPLCATIONS, IF PUMPING II RED OR PROPOSED
5. ADUPE X PUMP PYSTEM R REQURED UNESSS $\overbrace{}^{\begin{array}{l}\text { OTHERVXI } \\ \text { ISLEND. }\end{array}}$
6. PROJECTS WHICH PRRPOSE PUMP SYSTEMS AN HAZARD AREA MAY BE SUBJECT TO ADDITIONAL SIDE SEWER AND GEOTECHNILAL
PER THE CITT OF MERCER ILLAND.
THE DISCHARGE PIPE (FORCE-LINE) SHALL HAVE

 PIPE SHALL HAVEAMNMLUM INIDEDDAMETTRO
TWO-NCHES FOR INECTOR PUMPS, ONE-AND-ON QUARTER-INCHES FOR GRINDER PUMPS, OR
THREE-NCHES FOR DUPLEX PUMP SYSTEMS



8. AFORCE-IINE PIPE MAY NOT CONNECT DIRECTL

 SEWER PIPE THAT IS AT LEAST 10 FEET IN LENGT
(SEEEXHBIT 11 ).
9. 
10. THE FORCE-LINE PIPE LOCATED OUTSIDE THE REDUREMENTS OF PARTV SECTON Q $Q$ TESTING,
RED ALSOR DPD ALLO REQUIRES THAT THE PUMP BE
ORERTONALPIIRR TO FINALIING THE SIDE
OEWER OPERATIONAL PR
SEWER PERMIT.
THE PUMP SHALL BE INSTALLED INA CHAMBER
THAT IS READILY SERVICEABLE. THE TANK SHAL THAT IS READLI Y SERUICEABLE. THE TANK SHA
MAE OFONNPOROUS, NONCORROIIE,
STRUTURUS




 MAINTENANCE HOLE OR FIILLL ASEEMBLED A
SEALED IN THE PRECAST CONCRETE SECTION
11. PUMP SYSTEMS SHALL BE DESIGNED AND
. NSTALED TOPROVDE AST ACESS ROM THE

12. AN AUDible ALARM SYSTEM IS RECoMmended for

PUMP SYSTEMS.

15. PUMPS LOCATED WITHINA BUILDING ARE SUBJECT
TO SEATLE-KING COUNTY DEPARTMENT OF PUBLIC HEALTH NSPECTION.
16. PUMP SYSTEMS SHALL BE OWNED, OPERATED,
 NEEDED BYPR
SUCH SYSTEM.
17. THE PUMP SYSTEMS SHALL HAVE DUAL
ALTERNATIG PUMPS WITH MMERGEN ALTERNATING PUMPS WITH EMERGENCY ON-SITE,
BACK-UP POWER SUPLY AND AN EXTERNAL ALAR
BCK

18. THE PRIVATE PROPERTY OWNER(S) SHALL BE



CALLL 811 2BEFORE YOU DIG




DUPLEX PUMP STATION 1





## NOTES:


2. FACTTRY BULLT FIREPLACE TO BE ZERO-CLEARANCE, AND LISTED, LABELED, \& TESTED IN ACCORDANCE WITH .
3. Provide an aprroved carbon \& smoke alarm outside each separate slemping area in the immediate VICINITY OF THE BEDROOM.
4. EXTERIOR WINDOW \& DOOR HEADERS SHALL BE INSULATED WITH A MIN OF R-10 INSULATION
5. A MIN OF 75\% OF PERMANENTLY INSTALLED LAMPS in LIGHTING FIXTURES SHALL BE HIGH-EFFICACY LampS.
6. EXHAUST AIR SHALL VENT DIRECTLY TO THE EXTERRIOR OF THE BULLDING PER M1501.1 and M1506. 2
7. ALL INTERIor Doors will have ì Undercut above finished floor.
8. CONCEALED WALL SPACES (MECHANICAL CHASES) TO HAVE FIRE BLOCKING PER IRC R302.11

ENERGY COMPLIANCE NOTES:
SUM OF 3.5 EnERGY CREDTS BY OPTIONS SELECTED:


GAA FUVNACE WTTH MIN AFUE OF 96\%
Rheem RTGH-95DVVLI-1
.5PT 5A: EFFICIENT Whater heating
MAX FLOW RATES FOR ALL SHOWERHEAD AND
KITCHEN FAUCETS SHALL BE RATED $1759 P M$
KITCHEN FAUCETS SHALL BE RATED $1.75 G \mathrm{FPM}$
OR LESS \& ALL OTHER LAV FAUCETS SHALL BE OR LESS \& ALL OTHR LAV
RATED AT 1.0 GMP OR LESS
1.5PT 5c: EFFICIENT WATER HEATER


FLOOR PLAN

A2. 1



4606 MARIN VIEW DR
TACOMA, WA 98422 TACOMA, WA 98422
$206,234.4469$ 206.234.4469 JDESIGNSSEATLE.COM








 vill be made









ENRAL REQUIREMENTS
 with temporaraty yacilitites and ont tempocaray y utitities
Construction Baricicases: Provide construction baricade as reauired to keep public an
Employees saie, ofolowing al applicable federal) state and city cods and regulutions.
RAWINGS /PERMTS BY OTHERS





${ }^{\text {Anf dany) }}$







An exterior and interior footings to be at least $188^{18}$ and $11^{2}$ "respectively beeow the lowest

## Craw space per R408.

## 

All frame construction shal conform to minimum standards of BCCIRC. Fastening
 Weather ort to water splash or in basements and which support permanent structures eather or ow wate splash orin basements and which support perm anent structures shall
be supported bby concretet piers sor meatal peedestals projecting above foors unless approved

Wod of naurar resistance to decay or rraaled wood is ses. The pedestas

Manoorkearth seperation per covi
 Where instalalation in inculues manutuactued






c. DECKING: All wood exposed to weather, such as wor woor usesifior. deck framing including
 UATION AND GLAZING PER R40
INSULATION AND GLAZING PER R40



D. smok developed not to exceed 450 per $R$ RC R316.




: Duct leakae raite and test ondonitions isivice



G. R402. Builing air leakage testing, verified as having ii leakage rate not exceeding 5 an

H. Shermal envelope.

















Sheathing a the location of the ven






$\frac{\text { DOORS AND WINDOWS }}{\text { A. Doors as selected by }}$
but must meet tode, egress, hardware, requirements as per



 are used
hinings
All glazing



H. SkYLIGHTS per R308. 6

DRYWALL FINSH





MECHANCAL HAC and Plumbing work shal be performed ina "Bidder-Design" manner. The
B. It it the Contarators responsibility todesign systers sthat meet al reauirements and




apiances intended for instalation in ioloses
C. appliances installed in garages or other areas where they may be subject to mechanica
damage shall be suitabe esuarded against such damage by being installed befind

 Appliances designed to beina fixed position shal be securely fatenend in place. Supponts
for appliances shall be cesigned and constructed to sustain vericical and horizontal loads Witinithe stress inimations in the builiding oode and IMC.
Kivert opurchasing andior instaling.
Sther ind be 3 minimum away from operable windows, and

FIREPACE NOTES (Sei IRC Chaperer 10:Prefat metal per 1002, R1003, R1005) Comply with appicable nationaly recounized slandards as evidenced by the isting and
labeing by an appoved agency such as the EPA.
 Direct vent outlet tor frifeplace shall be 3 I minimum and

VENTLATION Der SRC M1507
A. Continuously yperating whole house fan is proposed.
B. Provide outbor ar arinet with 4 sa. in. min net free area for each habitable space.
$\frac{\text { INDOOR AR QUALTY NOTES }}{\text { A. Range exhaust } \delta \text { drvers. }}$

 ouside the buluding and be equipped with back--rart dampers.




## SMOKE ALARM / DETECTORS PRR IRC R314





 IRC R334 from commerial source with batery back-up.
C. Provide an approved carbon monoxide alarm on each level of the dwelling per R315. $\frac{\text { FIRE-RESISTVE REQUREMENTS }}{\text { A. CONSTRUCTION PER ROO2 }}$

NOTE: All Iararei inierior walls. ceilings, Structural support systems exposed therein, and voits





 ELECTRIC
A. ELECTRICAL





 $\frac{\text { STARS }}{\text { A. IRC R }}$


 C. HANDRALLS: 34 t to s8", min



SECURITY per Seatle Residential Code Section R329 $\qquad$
A. Asoun TRansmISSION CONTROL per Seatle Residential Code section R33





 FINSH ceiling. Beams at 1 east 4 feet on oentier can project int space 6 inches
B. SLOPED CELINGS: Not more than $50 \%$ of the REQURRD fioor area of


$\xrightarrow{\text { GARAGE requirements per R309 }}$


| SUBMITAL | DATE |
| :--- | :--- |
| ITTAKE | $2 / 4 / 2019$ |
| RE-DESIIN | $3 / 8 / 2019$ |
| R-SUBMIT | $6 / 1 / 4 / 2019$ |
| R-SUBMIT | $7 / 24 / 201$ |
| R-SUBBMIT | $8 / 6 / 2019$ |
| CoRR I | $3 / 2 / 2020$ |
|  |  |

## drawing information

OWNER
MY BACKYARD, LLC

PROJECT\# 1900-198
drawing name:

## GENERAL

## NOTES

A5

J DESIGNS







TTPICAL SHEAR


(2) TYPICAL GABLE END DETAIL $\qquad$

(3) 3 SECTION


(22) $\frac{\text { SECTION }}{\text { Sce }}$ $\qquad$

 $\qquad$

(23) SECTION


(42) $\operatorname{sECTITON}$ $\qquad$

(43) SECTON $\qquad$

(45) SECTION



LB-1


(60) $\frac{\text { SECTON }}{\text { Rat }}$ $\qquad$


EXT. WALL \& INT. SHEARNALL
OPENNGELEVATIOE
(94) OPENNG ELEVATION

(43) $\frac{\text { SECTON }}{\text { set amo }}$

(6) $\frac{\text { SECTOV }}{\text { ect }}$ $\qquad$

(54) SECTON

 $\qquad$

(00) SYPICAL PENT ROOF DETALL








LB-3



