



County of San Diego ATTACHMENT E - SEPTIC PLAN

Department of Environmental Health and Quality

Land and Water Quality

5500 Overland Ave., Suite 210, San Diego, CA 92123 / (858) 565-5173

www.sdcdehq.org

ONSITE WASTEWATER TREATMENT SYSTEM LAYOUT APPROVAL

EXPIRATION DATE: 4/4/2025

Owner: East County Fire Protection District

Site: 1811 SUNCREST BLVD, EL CAJON

Address: Public Agency\
El Cajon, 00000

Parcel: 509-191-16-00

Phone:

Certification: PERCOLATION TEST

Record ID: DEH2024-LOWTS-018360

This project is **APPROVED** for the following:

Commercial / Residential: Commercial

Gallons / Day: 450

Number of Bedrooms:

THIS IS NOT AN ONSITE WASTEWATER TREATMENT SYSTEM PERMIT

You have until 4/4/2025 to obtain a septic permit. However, a site recheck may be required at any time to determine if site conditions have changed. Refer to the County of San Diego, Department of Environmental Health and Quality, Local Agency Management Program for Onsite Wastewater Treatment Systems for all applicable setbacks and standard conditions of approval.

ONSITE WASTEWATER SYSTEM REQUIREMENTS

Primary Septic Tank (in gallons): 1000

Pump Tank (in gallons): 1000

Supplemental Treatment Type: Other, *Other Supplemental Treatment:*

Make/Model of Supplemental Treatment: NORWECO MODEL TNT 500/600

System Details: RESIDENTIAL WW TREATMENT PLANT SYSTEM, TRAFFIC RATED.

JENSEN HP (TRAFFIC RATED) 1,000 GAL. WITH NORWECO HB 105 SUBMERSIBLE PUMP.

1.2" SCHEDULE 40 PVC SUPPLY LINE KRAIN INDEX

| Soil Disposal System | System Type | Length | Width | Depth | Cap Depth | Spacing | Depth of Medium | # of Pods |
|----------------------|---------------------|--------|-------|-------|-----------|---------|-----------------|-----------|
| Primary Dwelling | Drip Dispersal Line | 563 | | 1 | | 2 | | |
| Reserve | Drip Dispersal Line | 563 | | 1 | | 2 | | |

CONDITIONS TO BE COMPLETED PRIOR TO THE ISSUANCE OF A SEPTIC PERMIT

Potable Water Source: Public Water Supply

Water District: Padre Dam Municipal Water District

DEHQ Grading Inspection: REQUIRED

DEHQ Building Plan Review: REQUIRED

COMMENTS: PROPOSED FIREHOUSE WITH LIVING QUARTERS

SCOPE OF WORK:

- 1.) INSTALL 1,000 GALLON SEPTIC TANK TRAFFIC RATED
- 2.) INSTALL NORWECO 500/600 TNT TREATMENT TANK (TRAFFIC RATED)
- 3.) JENSEN HP 1,000 PUMP CHAMBER
- 4.) 563' GEO FLOW DRIPLINES

CONDITIONS OF APPROVAL:

REVIEW OF PHYSICAL GRADING AT THE PROJECT SITE. CALL THE INSPECTION LINE PHONE NUMBER 858-694-2553 TO SCHEDULE THE GRADING CHECK.

THE SEPTIC CONTRACTOR SHALL CONTACT THE DESIGN ENGINEER PRIOR TO INSTALLATION OF ANY SYSTEM COMPONENTS AND COORDINATE NECESSARY INSPECTION(S) BY THE ENGINEER.

FINAL APPROVAL SHALL REQUIRE:

- WRITTEN CERTIFICATION AND AS BUILT FROM DESIGN ENGINEER
- TELEMETRY
- COPY OF MAINTENANCE AGREEMENT
- OBTAIN AN ANNUAL OPERATING PERMIT

DEHQ_LWQD_LOWTS_Layout_Approval_Form v 1.3 (6/2022)

Run Date: 4/4/2024 11:14 AM



County of San Diego ATTACHMENT E - SEPTIC PLAN

Department of Environmental Health and Quality

Land and Water Quality

5500 Overland Ave., Suite 210, San Diego, CA 92123 / (858) 565-5173

www.sdcdehq.org

Approved By: Thalia Hernandez

Date: 4/4/2024



COUNTY OF SAN DIEGO
DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY
LAND AND WATER QUALITY DIVISION

ATTACHMENT - SEPTIC PLAN
Proposed Firehouse w/ 1m
quarte

ONSITE WASTEWATER TREATMENT SYSTEM LAYOUT SUBMITTAL APPLICATION

DEH PROJECT #: **LOWTS-018360**

| | | |
|--|------------------------------------|---|
| SITE LOCATION: 1811 SUNCREST BLVD | CITY: EL CAJON | APN: 509-191-16-00 |
| OWNER NAME: SAN MIGUEL FIRE DEPARTMENT | PHONE: 619-670-0500 | EMAIL: GTOCKSTEIN@COX.NET |
| OWNER MAILING ADDRESS: 2850 VIA ORANGE WAY, SPRING VALLEY, CA. 91978 | | |
| CONTACT NAME: GENE MATTER, PE | PHONE: 619-992-9523 | EMAIL: GENE@PROENGINEERINGSOLUTIONS.COM |
| Is there a lock or gate to access parcel or community? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | If yes, provide lock/gate code(s): | CALL/TEXT GEORGE TOCKSTEIN : 619-972-2765 |
| Are there dogs or animals on the parcel? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | If yes, special instructions: | |

NOTICE: All items indicated below are required to be submitted for the application to be deemed complete. Review of the submittal will begin after all required items have been submitted. Please indicate item is included in submittal

SECTION 1 - Required Items for Complete Layout Submittal

| | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | Professional's name, mailing address, email address, and phone number |
| <input checked="" type="checkbox"/> | Type of proposed construction (Ex: Residential, Commercial, Industrial) |
| <input checked="" type="checkbox"/> | Scope of work: Residential: <input type="checkbox"/> Type of Construction <input type="checkbox"/> # Bedrooms |
| <input checked="" type="checkbox"/> | Scope of work: Commercial: <input type="checkbox"/> Business Type <input checked="" type="checkbox"/> Volume of Wastewater <input type="checkbox"/> Character and Strength of Wastewater |
| <input type="checkbox"/> | Commercial Food Service-location, design, and size of oil/grease interceptor |
| <input checked="" type="checkbox"/> | Legal Basis of parcel (map and lot number, plat number, etc.) |
| <input checked="" type="checkbox"/> | Vicinity Map; Scale (engineer scale not to exceed 1"=60'); North arrow; Layout does not exceed 11" x 17" paper |
| <input checked="" type="checkbox"/> | Property Lines and lot dimensions (provide an over sheet (larger scale allowed) and detail sheet(s) for large parcels) |
| <input checked="" type="checkbox"/> | Topographic lines and elevation points (include pad grade, finished floor, septic tank, leach lines, slope arrows, slope range, etc.) |
| <input checked="" type="checkbox"/> | Existing and proposed primary and reserve Onsite Wastewater Treatment System (OWTS) tank and dispersal design detail |
| <input checked="" type="checkbox"/> | All setback distances are shown on layout |
| <input checked="" type="checkbox"/> | All proposed and existing grading; Rock outcroppings; Slopes in excess of 20% |
| <input checked="" type="checkbox"/> | All known, recorded easements on or within 20 feet of lot boundaries (open-space, utility, road, waterline, etc.) |
| <input checked="" type="checkbox"/> | Identify source of potable water; Location of all public waterlines on or within 20 feet of property and signed water line statement |
| <input type="checkbox"/> | Location of all wells on or within 150 of feet of property line; Location of all Public wells within 600 feet of property line NA |
| <input type="checkbox"/> | Location of drinking water reservoir within 2,500' of property line NA |
| <input type="checkbox"/> | Location of drainage ways; location of streams, springs, ponds, flood plains, lakes within 200 feet of property line NA |
| <input checked="" type="checkbox"/> | All soils testing information, such as deep borings, test holes, and/or percolation tests, plotted on the design (matches flagged locations in field) |
| <input checked="" type="checkbox"/> | Depth to groundwater data and specific method used to determine depth to groundwater |
| <input checked="" type="checkbox"/> | Location of all stormwater treatment and retention features |
| <input type="checkbox"/> | Sign-off of layout by local water district or company, if required (Vista Irrigation District, Rincon del Diablo, Yuima, County Service Areas) NA |

SECTION 2 - REQUIRED LAYOUT ITEMS FOR A SUPPLEMENTAL TREATMENT SYSTEM (OWTS-STs)

Note: Include design for dispersal system for reserve areas

| | |
|-------------------------------------|--|
| <input checked="" type="checkbox"/> | All Items listed in Section 1 |
| <input checked="" type="checkbox"/> | List all STS components and show location on parcel |
| <input checked="" type="checkbox"/> | Design specifications and configuration for dispersal system for primary and reserve areas |
| <input checked="" type="checkbox"/> | GeoFlow worksheet for drip dispersal line (if used) |
| <input checked="" type="checkbox"/> | Pump(s) specifications and pump(s) curve; Friction and head loss calculation |
| <input checked="" type="checkbox"/> | Control/Alarm Box with telemetric reporting |
| <input checked="" type="checkbox"/> | Sizing calculations from the design professional |
| <input checked="" type="checkbox"/> | Documentation of the 24-hour emergency storage above the alarm on float(s) |

Received
FEB 29 2024
County of San Diego
Dept. of Environmental Health
Land & Water Quality Div.

Notice: The acceptance of this project for submittal does not constitute an approval of the project. Additional items may be required upon completion of the property visit by the field specialist.

I certify that the above checkbox items are provided and shown on the layout and the layout plot plan shows all known easements on the parcel and all public water lines on or within 20 feet of the parcel boundaries. I understand that failure to submit the required application items may cause a delay of the project review until all items required for a full and complete review are submitted.

George Tockstein
Property Owner Signature

2-27-24

Date

Design Professional Signature

2-27-24

Date

RESIDENTIAL ONSITE WASTEWATER TREATMENT SYSTEM DESIGN PLAN

DESIGN OF SUPPLEMENTAL TREATMENT SYSTEM FOR NEW FIRE STATION WITH LIVING QUARTERS.

LOCATION: 1811 SUNCREST BLVD, CREST, 92021

APN: 509-191-16-00

LEGAL DESC: SEC 3 TOWNSHIP 16, RANGE 1 EAST , SAN BERNARDO MERIDIAN

OWNER:

SAN MIGUEL FIRE DEPARTMENT
2850 VIA ORANGE WAY
SPRING VALLEY, CA. 91978
PH: 619-670-0500

SCOPE OF WORK:

1. INSTALL 1000 GALLON SEPTIC TANK (TRAFFIC RATED)
2. INSTALL NORWECO 500/600 TNT TREATMENT TANK (TRAFFIC RATED)
3. JENSEN HP 1000 PUMP CHAMBER
4. INSTALL 563' GEO FLOW DRIPLINES

DAILY FLOW:

450 GALLONS PER DAY
BASED ON HISTORICAL USAGE WITH FACTOR OF SAFETY. SEE APPENDIX E
BASIS OF DESIGN:

PERCOLATION TEST PERFORMED 2/15/24 BY GENE MATTER, PE,
STS APPLIED RATE = 42 MPI, 0.4 G/D/SF

POTABLE WATER SOURCE:

PADRE DAM W.D

DATE SOURCE:

TOPO: SANGIS FILE "2018_ 2FT"

NOTES:

SHEET INDEX:

| | |
|-----------------------------|-------|
| SITE INFO | 1 |
| SITE PLAN | 2 |
| SITE RESERVE DETAIL | 3 |
| STS TANK DETAIL | 4 |
| PUMP TANK DETAIL | 5 |
| DISPOSAL FIELD CALCULATIONS | APP A |
| PERCOLATION TEST DATA | APP B |
| PART SPECIFICATIONS | APP C |
| NOTES | APP D |
| DAILY FLOW CALCULATION | APP E |

VICINITY MAP:



PREPARED BY:

GENE MATTER, PE
PRINCIPAL CIVIL ENGINEER
11351 MANZANITA ROAD
LAKESIDE, CA. 92040
GENE@PROENGINEERINGSOLUTIONS.COM

I CERTIFY THE LAYOUT DRAWING SHOWS THE LOCATION OF ALL EASEMENTS ON THE LOT AND AND PUBLIC WATER LINES ON OR WITHIN 20 FEET OF THE LOT BOUNDARIES.

[Signature]

GENE MATTER, PE



APN 509-123-40-00

APN 509-123-09-00

APN 509-123-05-00

NORTH LANE

ELECT SERVICE (E)

WATER SERVICE (E)

OUTFALL

25' WATER S/B

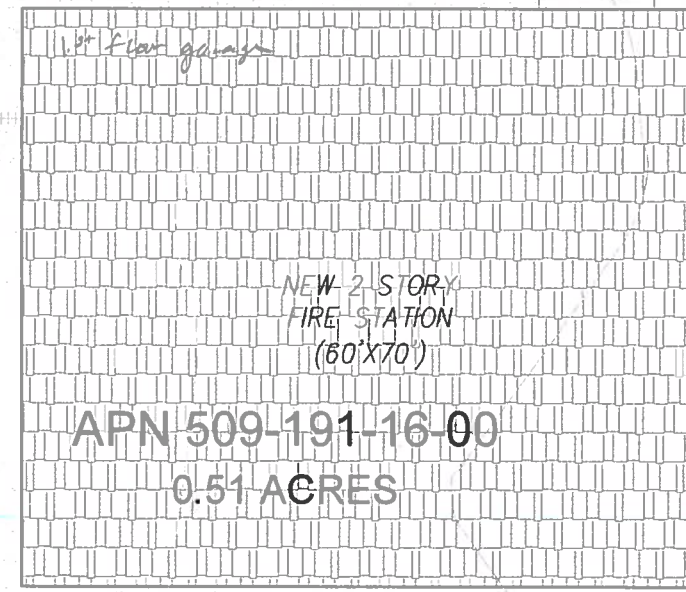
Gas fuel tanks
199 gallon propane
Generates 5' RETAINING WALL (P)

STS RESERVE
DISPERSAL FIELD

STS TREATMENT

SEE SHEET 3
FOR STS LAYOUT

CONCRETE
DRAINAGE VAULT



APN 509-191-16-00
0.51 ACRES

STS PRIMARY
DISPERSAL FIELD

DRIVEWAY (P)

DRIVEWAY (P)

CONCRETE TCBMP
(MODULAR WETLAND)

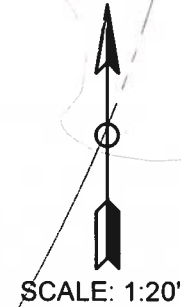
APN 509-191-20-00

APN 509-191-10-00

APN 509-191-09-00

DEH Record #: DEH2024-LOWIS-018360
Any changes to the Structures, Driveway and Grading as shown on this plan, will void this approval. SEE COMMENTS ON ATTACHED SHEET FOR ANY SPECIAL CONDITIONS OF APPROVAL.

Theresa Hernandez 4/4/24
Specialist Date



LAYOUT PREPARED BY:
GENE MATTER, PE, C68281
11351 MANZANITA ROAD, LAKESIDE, CA
619-992-9523
email: gene@proengineeringsolutions.com

| REVISIONS | |
|-----------|-------------|
| # | DESCRIPTION |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |

| # | DATE |
|---|------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |

APN 509-191-16-00
1811 SUNCREST BLVD
SEPTIC LAYOUT CONCEPT

ARCHITECT / ENGINEER SEAL
NOT FOR CONSTRUCTION

| SHEET INFORMATION | | | | |
|-------------------|----------------|----------------|-------------|-------------|
| DRAWN BY: GM | CHECKED BY: GM | DATE: 12/07/23 | SCALE: 1:20 | JOB NUMBER: |
| | | | | CAD FILE: |

SHEET NUMBER
2

| | |
|-------------------|----------------|
| SHEET INFORMATION | DRAWN BY: GM |
| CHECKED BY: GM | DATE: 12/07/23 |
| SCALE: 1:10 | JOB NUMBER: |
| SHEET NUMBER | |

1811 SUNCREST BLVD
SEPTIC LAYOUT CONCEPT

APN 509-191-16-00

NOT FOR CONSTRUCTION

ARCHITECT/ENGINEER SEAL

- 1 NORWECO MODEL TNT 500/600 RESIDENTIAL WASTE WATER TREATMENT PLANT SYSTEM, TRAFFIC RATED
- 2 FREE STANDING CONTROL PEDESTAL SERVICE PRE CONTROL CENTER 960
- 3 JENSEN HP 1000 (TRAFFIC RATED) WITH NORWECO HB105 SUBMERSIBLE PUMP
- 4 1" GEOFLOW AUTOMATIC SPORTY HEADWORKS WHWS-V-1.5F-A
- 5 1/2" SCHEDULE 40 PVC SUPPLY LINE
- 6 KRAIN INDEX VALVE WITH 1 ZONES AND 40 PSI MAX PRESSURE REDUCER ON EACH SUPPLY LINE
- 7 GEOFLOW AIR VENT (AT ALL HIGH LOCATIONS)
- 8 DISPERSAL FIELD 563 L.F. WASTEFLOW PC-1 1/2" GPH GEOFLOW PIPE WOMITTERS AT 2' O.C. 12" BURIAL DEPTH IN 1 ZONE, 2 LATERALS PER ZONE
- 9 CHECK VALVE AT EACH RETURN LINE
- 10 1/2" SCHEDULE 40 PVC RETURN LINE
- 11 1000 GALLON PRE-TREATMENT SEPTIC TANK (TRAFFIC RATED)
- 12 100% RESERVE DISPERSAL FIELD

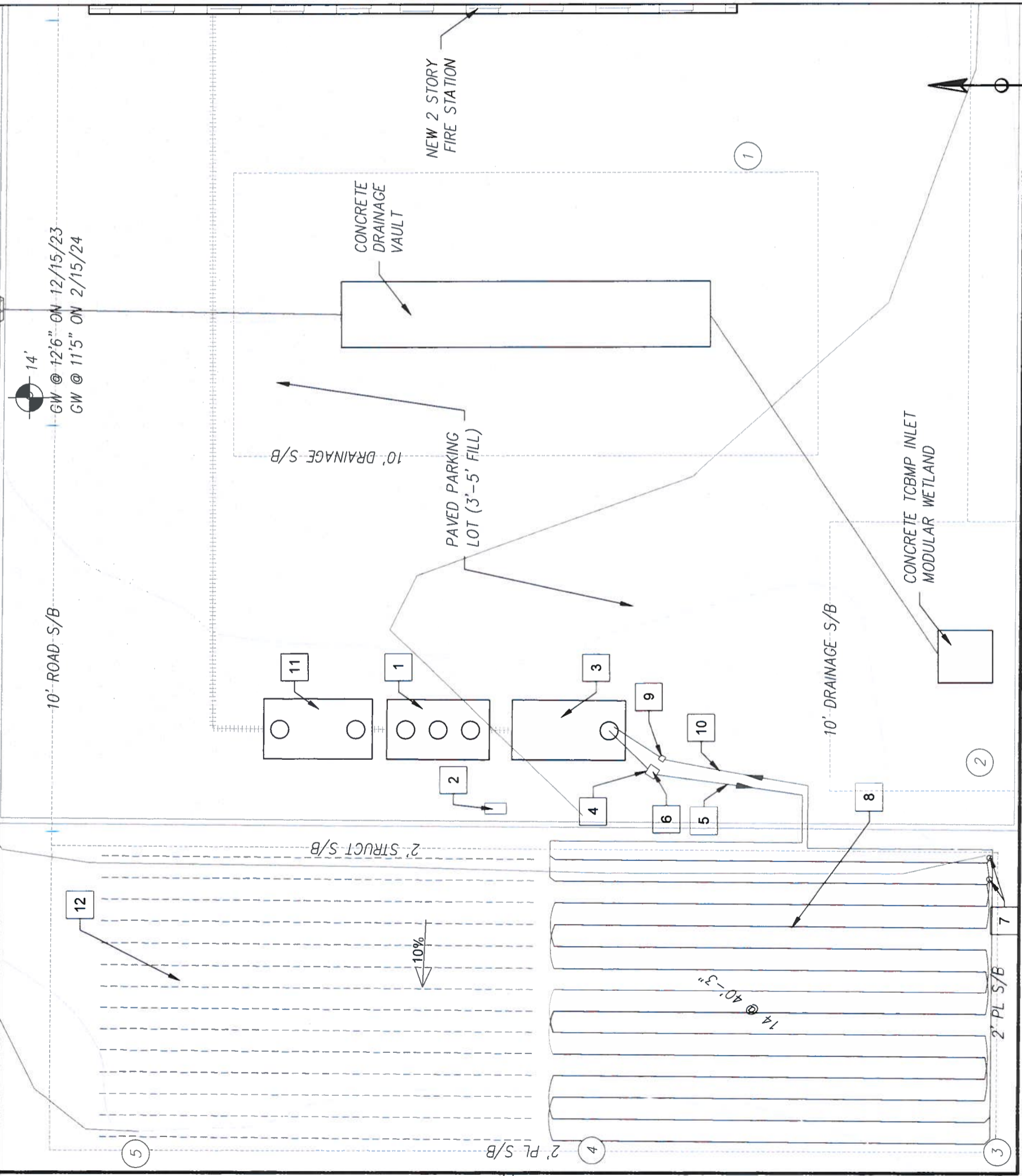
- # PERCOLATION TEST HOLE
- GROUNDWATER OBSERVATION HOLE
- TIGHTLINE

NOTES:

1. MAINTAIN 2% MINIMUM GRADE FROM HOUSE OUTFALL TO STS TANK.
2. CONTRACTOR SHALL VERIFY GRADE AND TANK DEPTH REQUIREMENTS CAN BE OBTAINED. CONTACT ENGINEER FOR ADJUSTMENTS IF NEEDED.
3. CONTRACTOR SHALL ADD AIR VACS ASA NEEDED AT ALL HIGH POINTS WITHIN DRIPFIELD
4. CONTRACTOR SHALL ADD CONCRETE EMBEDDED METALLIC MARKERS AT EACH CORNER OF DRIPFIELD FOR EASY LOCATING IN THE FUTURE.
5. DISPERSAL FIELD TO BE PLANTED WITH SHALLOW ROOTED GRASS.

LAYOUT PREPARED BY:
GENE MATTER, PE, C68281
11351 MANZANITA ROAD, LAKESIDE, CA
619-992-9523
email: gene@proengineeringolutions.com

NOTE: If this drawing is not on 11" x 17", it has been revised from its original size.



SCALE: 1:10'

| # | DESCRIPTION | DATE |
|---|-------------|------|
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |
| 5 | | |

REVISIONS

1811 SUNCREST BLVD

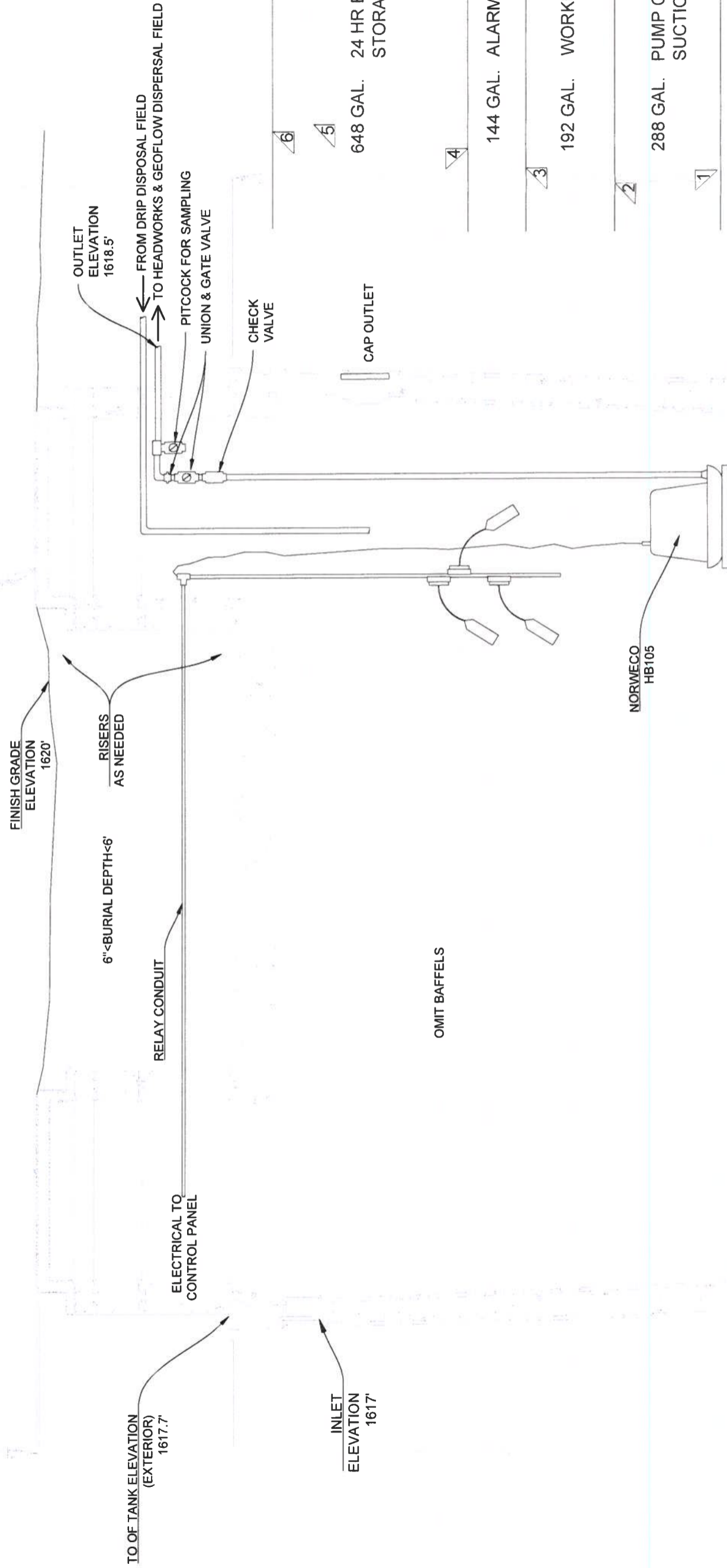
JENSEN
HP 1000 (TRAFFIC RATED)

PUMP TANK STORAGE CALCULATIONS

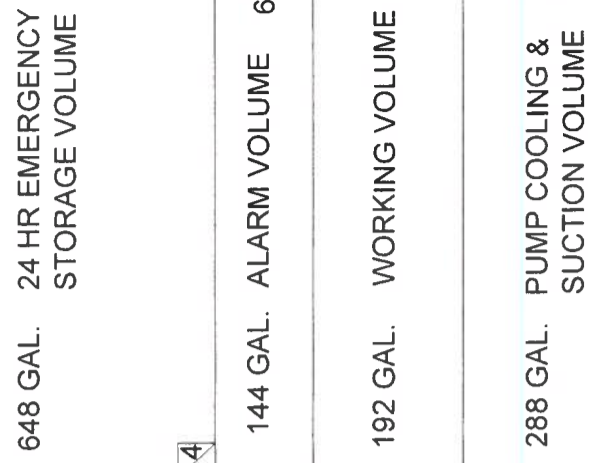
1240 GALLON /60" = 20.5 GALLONS PER INCH
24 HR EMERGENCY STORAGE NEEDED:
450 GALLONS OR 22" (@ 20.5 GALLONS/IN)

EMERGENCY CAPACITY:
34" X 20.5 GPI = 697 GALLONS > 450 GALLONS:
ACCEPTABLE

| TOTAL CAPACITY (GALS) | WATER SURFACE STATUS, ACTION, AND DEPTH | | ELEV. | CAPACITY (GALS) |
|-----------------------|---|-------------|---------|-----------------|
| 1230 | 6" | MAX LEVEL | 1617.5' | 123 |
| 1107 | 28" | INLET LEVEL | 1617' | 574 |
| 533 | 6" | ALARM ON | 7614.9' | 123 |
| 410 | 8" | PUMP ON | 1614.2' | 164 |
| 246 | 12" | PUMP OFF | 1613.5' | 246 |
| 0 | 0" | TANK BOTTOM | 1612.5' | 0 |



ATTACHMENT E - SEPTIC PLAN



GENE MATTER, PE
PRINCIPAL CIVIL ENGINEER
11351 MANZANITA ROAD
LAKESIDE, CA. 92040
GENE@PROENGINEERSOLUTIONS.COM

MINIMUM DEPTH FOR NORWECO HB105 = 12"

SHEET 5

**DAILY FLOW:
450 GALLONS PER DAY
SEE APPENDIX E**

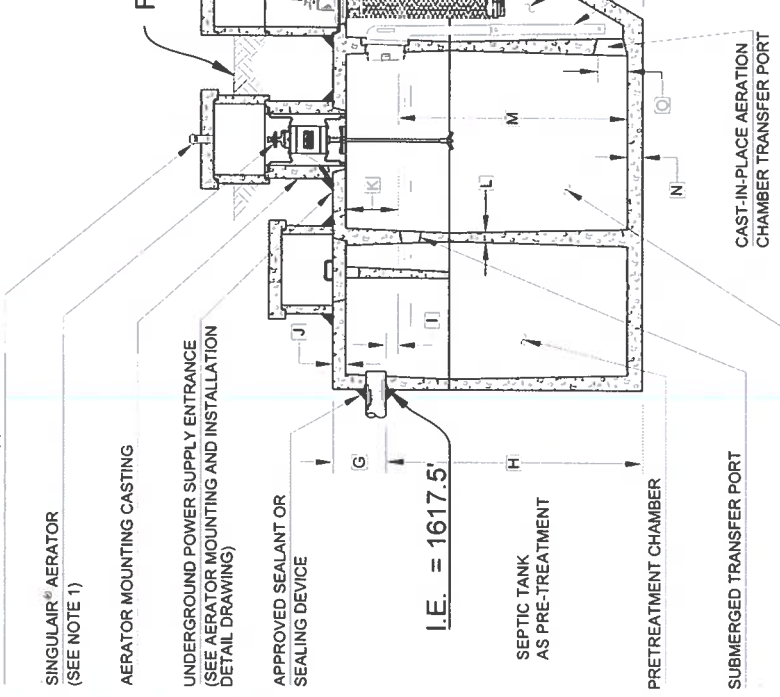
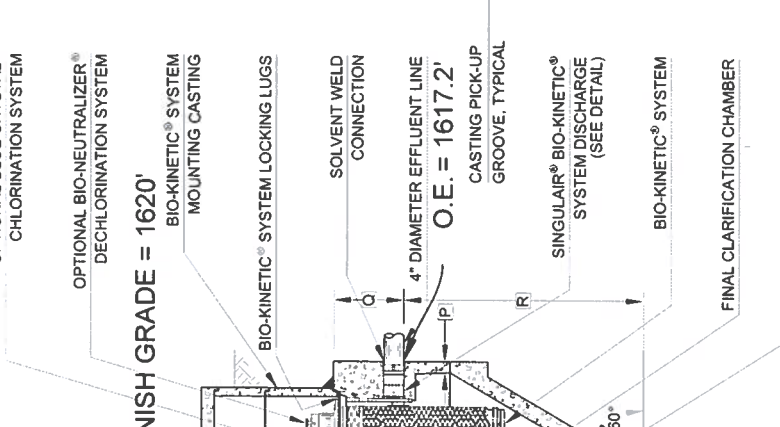
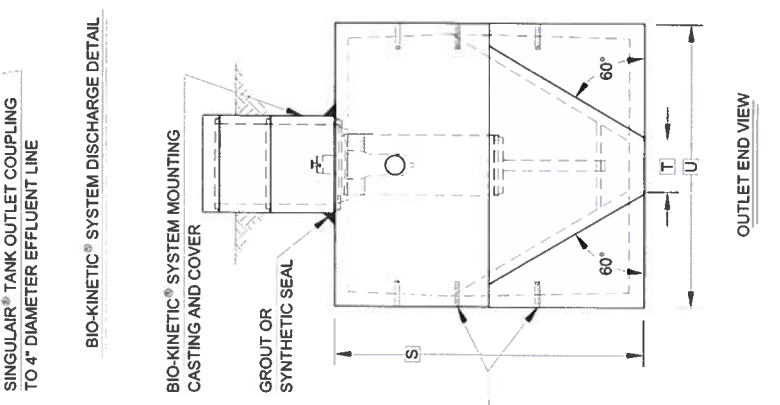
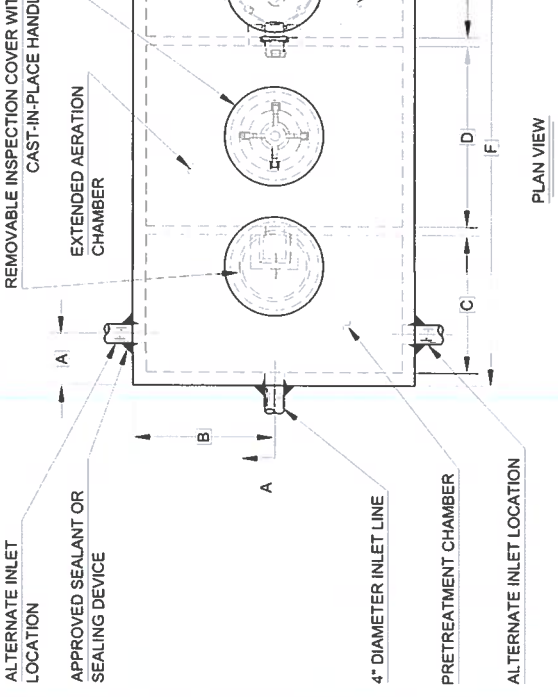
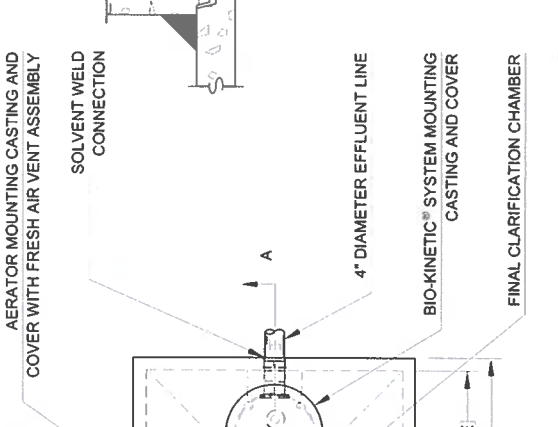
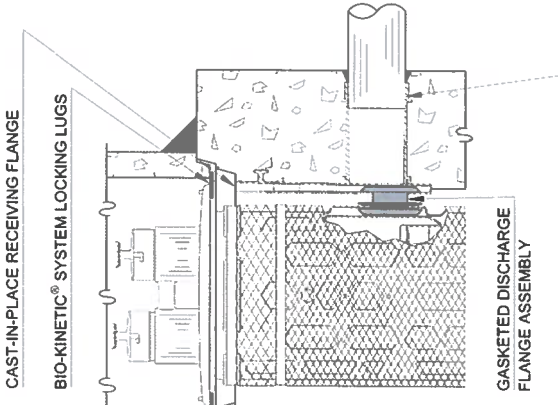
**STS CHAMBER DETAIL
1811 SUNCREST BLVD**

**GENE MATTER, PE
PRINCIPAL CIVIL ENGINEER
11351 MANZANITA ROAD
LAKESIDE, CA. 92040**

GENE@PROENGINEERINGSOLUTIONS.COM

GENERAL NOTES:

- 1 SINGULAIR® AERATOR, AS TESTED AND ACCEPTED BY NSF, OPERATING 60 MINUTES ON / 60 MINUTES OFF.
- 2 FALL THROUGH SINGULAIR® PLANT FROM INLET INVERT TO OUTLET INVERT IS FOUR INCHES. INLET INVERT IS TWELVE INCHES BELOW TANK TOP.
- 3 ON DEEPER INSTALLATIONS, PRECAST RISERS MUST BE USED TO EXTEND AERATOR MOUNTING CASTING AND BIO-KINETIC® SYSTEM MOUNTING CASTING TO GRADE. INSPECTION COVER ON PRETREATMENT CHAMBER MUST BE DEVELOPED TO WITHIN TWELVE INCHES OF GRADE.
- 4 TANK REINFORCED PER ACI STD. 318.
- 5 REMOVABLE COVERS ON RISERS WEIGH IN EXCESS OF SEVENTY-FIVE POUNDS EACH TO PREVENT UNAUTHORIZED ACCESS.
- 6 CONTACT THE LOCAL, LICENSED SINGULAIR® DISTRIBUTOR FOR ELECTRICAL REQUIREMENTS.



PROJECT ENGINEER'S APPROVAL:
I (WE) HEREBY CERTIFY THAT THIS DRAWING HAS BEEN CHECKED AND IS APPROVED FOR USE IN CONFORMITY WITH THE CONTRACT DOCUMENTS.

DATE: _____
NAME: _____

CONTRACTOR'S CERTIFICATION:
I (WE) HEREBY CERTIFY THAT THIS DRAWING HAS BEEN CHECKED AND IS APPROVED FOR USE IN CONFORMITY WITH THE CONTRACT DOCUMENTS.

DATE: _____
NAME: _____

| CRITICAL DIMENSIONS | |
|---------------------|-----------|
| A | 1'-0" |
| B | 2'-9" |
| C | 2'-8" |
| D | 3'-7" |
| E | 2'-3" |
| F | 9'-3" |
| G | 1'-0" |
| H | 5'-0" |
| I | 0'-3" |
| J | 0'-3" |
| K | 1'-0" |
| L | 0'-2" |
| M | 4'-6" |
| N | 0'-3" |
| O | 0'-6" |
| P | 0'-2 1/2" |
| Q | 1'-4" |
| R | 4'-8" |
| S | 6'-0" |
| T | 1'-0" |
| U | 5'-6" |
| V | |
| W | |
| X | |
| Y | |
| Z | |

norweco
U.S. PATENT PENDING
SINGULAIR® BIO-KINETIC® WASTEWATER TREATMENT SYSTEM
MODEL: TWT-500 GPD

6-21-07
BDS
JMM
2-18-08
NTS

NOTE: TOTAL SYSTEM CAPACITY: 1,300 GALLONS
RATED CAPACITY: 600 GALLONS PER DAY

APPENDIX A

DISPOSAL FIELD CALCULATIONS



*Engineering the future of water
and wastewater treatment*

Project Name: SUNCREST BLVD (FS 18)
 Contact Name: GEORGE
 Prepared By: Gene Matter
 Date: 42 MPI, 0.4 G/D/SF

DRIP IRRIGATION DESIGN SUMMARY

SYSTEM PARAMETERS

| | |
|---|--|
| Total Quantity of Effluent to be Disposed per Day | <u>450 Gallons / Day</u> |
| Soil Loading Rate | <u>0.400 Gallons / Square Foot / Day</u> |
| Total Dispersal Field Area | <u>1,125 Square Feet</u> |
| Drip Field Pressure | <u>25 PSI</u> |
| Flush Velocity | <u>2.00 Feet / Second</u> |
| Distance From Pump Tank to Drip Field | <u>75 Feet</u> |

ZONE PARAMETERS

| | |
|-----------------------------------|------------------------------|
| Number of Zones | <u>1</u> |
| Dispersal Area per Zone | <u>1125 Square Feet</u> |
| Number of Laterals | <u>2</u> |
| Drip Tubing Lateral Line Length | <u>281 Feet</u> |
| Drip Tubing per Zone | <u>563 Linear Feet</u> |
| Total Number of Emitters per Zone | <u>281</u> |
| Dose Rate per Zone | <u>4.78 Gallons / Minute</u> |
| Doses per Zone per Day | <u>24</u> |

COMPONENT PARAMETERS

| | |
|----------------------------|----------------------------|
| Total Drip Tubing Required | <u>563 Linear Feet</u> |
| Emitter Drip Rate | <u>1.02 Gallons / Hour</u> |
| Drip Tubing Spacing | <u>24 Inches</u> |
| Drip Emitter Spacing | <u>24 Inches</u> |
| Supply Manifold Size | <u>1 Inches</u> |
| Return Manifold Size | <u>1/2 Inches</u> |

PUMP PARAMETERS

| | |
|-----------------------|------------------------------|
| Total Static Head | <u>20.00 Feet</u> |
| Total Friction Loss | <u>93.76 Feet</u> |
| Total Dynamic Head | <u>113.76 Feet</u> |
| Minimum Pump Delivery | <u>8.13 Gallons / Minute</u> |

PUMP TIMER SETTINGS

| | |
|-------------------------|----------------------|
| Pump "On" Time Setting | <u>4.75 Minutes</u> |
| Pump "Off" Time Setting | <u>55.25 Minutes</u> |

APPENDIX B
PERCOLATION TEST DATA

ATTACHMENT E - SEPTIC PLAN



COUNTY OF SAN DIEGO
 DEPARTMENT OF ENVIRONMENTAL HEALTH & QUALITY
 PERCOLATION TEST REPORT

DEHQ Control #: _____
 Date: _____
 Activity Code: _____

Assessor's Parcel Number: 509-191-16-00 Map # _____ Lot # _____
 Site Address 1811 SUNCREST BLVD Town: CREST Zip Code: 92021
 Owner: SAN MIGUEL FIRE DEPARTMENT Phone: 619-670-0500
 Mailing Address: 2850 VIA ORANGE WAY, SPRING VALLEY, CA. 91978

| Test Hole # | Test Depth | Stabilized Rate | Test Hole # | Test Depth | Stabilized Rate | Average Perc Rate |
|-------------|------------|-----------------|-------------|------------|-----------------|----------------------|
| 1 | 12" | 31 | 5 | 12" | 35 | 42 MPI 0.4 G/D/SF |
| 2 | 12" | 38 | | | | |
| 3 | 12" | 42 | | | | |
| 4 | 12" | 29 | | | | |

13' Deep Boring H₂O @ 8' 8" verified 3/13/24
Vertical seepage pits: Provide soils log, uniformity/capacity test results, and calculations on separate 8-1/2" x 11" sheets of paper

TYPE OF SOIL: (clay, silt, sand, decomposed granite, etc.)

Surface: LIGHT BROWN SANDY SILTY
0.5-4 ft. below surface: SANDY CLAY
4-12 ft. below surface: COURSE SAND WITH SILT
12-14 ft. below surface: TAN SILTY SAND
 _____ ft. below surface: _____
 Depth to Refusal: 14' Depth to Groundwater: 11'5"

RECOMMENDATIONS:

Septic Tank: 1000 gal Pump Chamber: _____ gal Surge Tank: _____ gal
 Leach Line Length: _____ ft Seepage Pit Type: _____ Number of Pits: _____
 Trench Depth: _____ ft Length: _____ ft Width: _____ ft
 Rock below Pipe: _____ in Total Depth: _____ ft Cap Depth: _____ ft

Other: STS: NORWECO TNT 500/600 TREATMENT, JENSEN HP1000 PUMP CHAMBER, 563' GEOFLOW DRIPLINE
 Proposed Structure: NEW FIRE STATION WITH LIVING QUARTERS

WATER SUPPLY:

Source of Potable Water: PADRE DAM W.D. Well Permit Number: _____

I have reviewed this percolation data and design of the subsurface sewage disposal system for this parcel and find the data and design to be accurate and in compliance with state and local regulations, and good engineering practice.

Registered CE, PE, Geologist, REHS: GENE MATTER, PE *[Signature]*
 Address: 11351 MANZANITA ROAD, LAKESIDE, CA. 92040 Phone: 619-992-9523 Date: 2/15/24

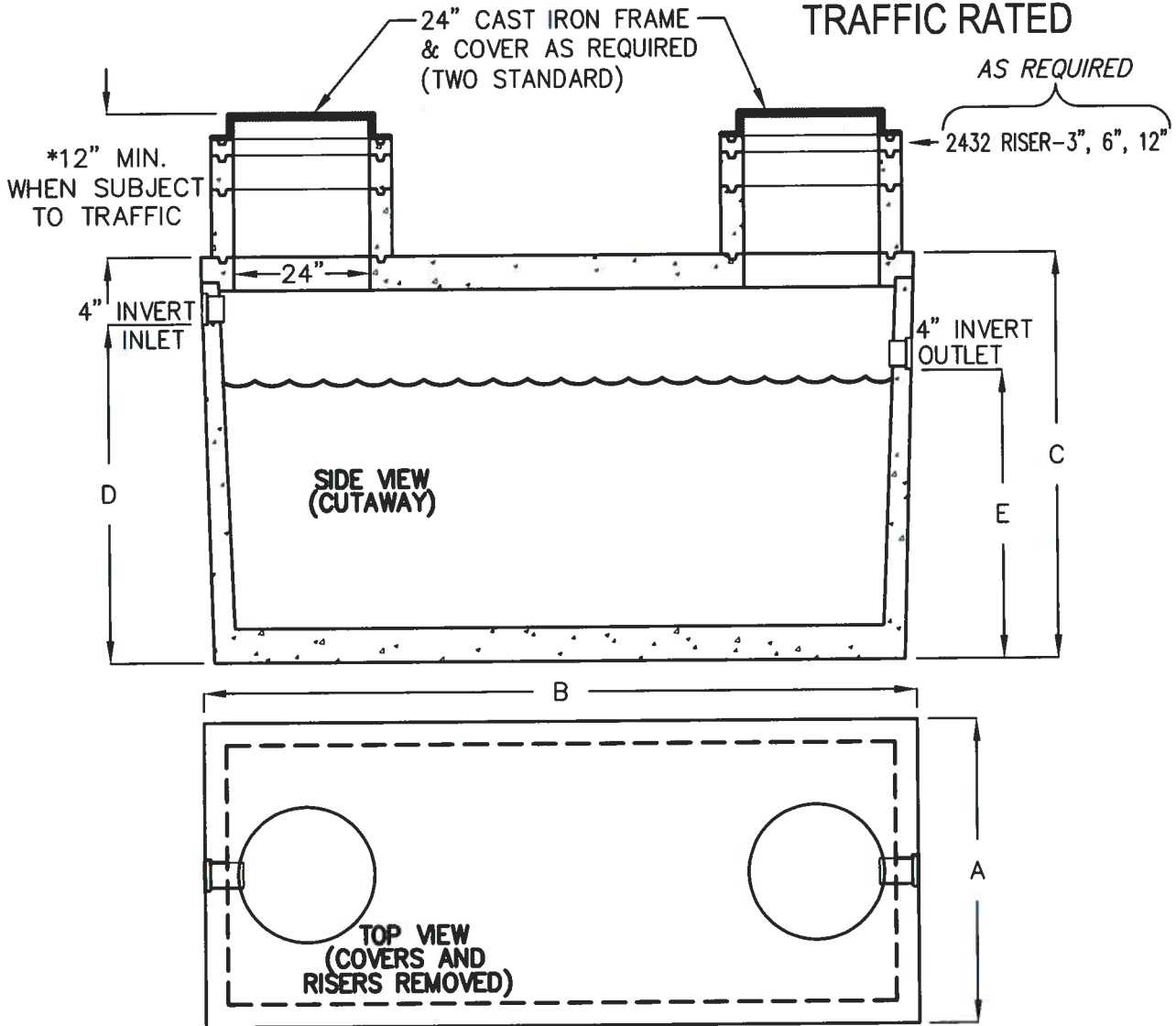
FOR DEPARTMENT USE ONLY

Approved: Yes No _____ Date: 4/1/24
 Specialist: Jhalea Hernandez Final Map Required: Yes _____ No _____
 Building Plan Review: REQUIRED Date: TBD
 Grading Inspection: WAIVED Date: 4/1/24
 Water Sample Analysis Results: WAIVED Date: 4/1/24

APPENDIX C

PARTS SPECIFICATIONS

750 - 1,500 GALLON HOLDING TANKS TRAFFIC RATED



NOTE: NOT RECOMMENDED FOR POTABLE WATER OR ABOVE GROUND USE.
NO WARRANTIES EXPRESSED OR IMPLIED FOR MERCHANTABILITY OR
FITNESS FOR ANY PARTICULAR PURPOSE.

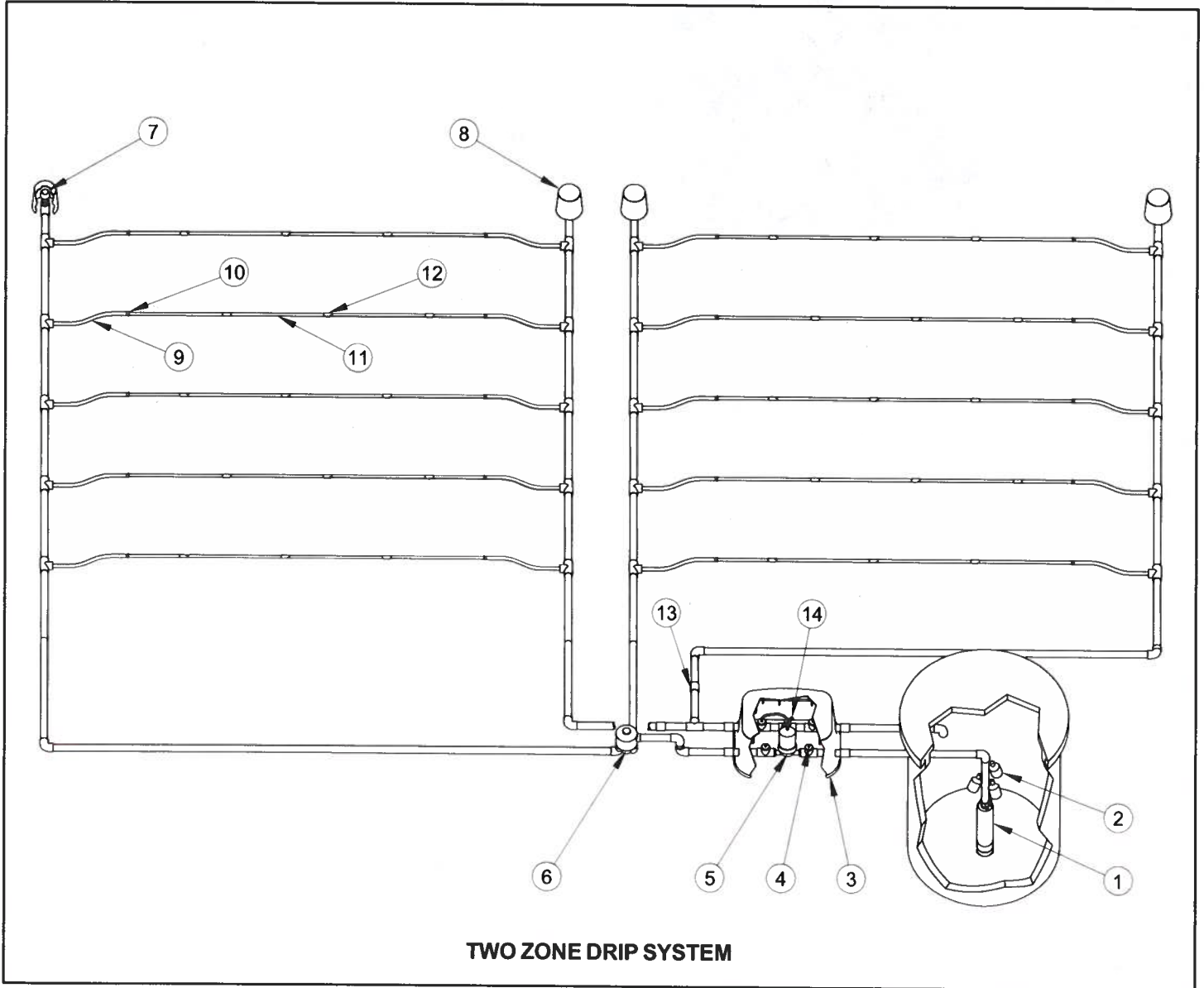
| MODEL NUMBER | LIQUID CAPACITY GALLONS | TOTAL TANK VOLUME | WIDTH "A" | OVERALL LENGTH "B" | TANK HEIGHT "C" | INLET "D" | OUTLET "E" | MINIMUM EXCAVATION WIDTH | MINIMUM EXCAVATION LENGTH | *DEPTH OF BURY | TANK WEIGHT LBS. |
|--------------|-------------------------|-------------------|-----------|--------------------|-----------------|-----------|------------|--------------------------|---------------------------|----------------|------------------|
| HP-750 | 750 | 924 | 4'-0" | 8'-1" | 6'-0" | 5'-0" | 4'-9" | 5'-0" | 9'-1" | 6' MAX. | 9,000 |
| HP-1000 | 1000 | 1240 | 5'-1" | 8'-2" | 6'-0" | 5'-0" | 4'-9" | 6'-1" | 9'-2" | 6' MAX. | 11,000 |
| HP-1200 | 1200 | 1485 | 5'-9" | 8'-6" | 6'-0" | 5'-0" | 4'-9" | 6'-9" | 9'-6" | 6' MAX. | 12,600 |
| HP-1500 | 1500 | 1870 | 5'-7" | 10'-8" | 6'-0" | 5'-0" | 4'-9" | 6'-7" | 11'-8" | 6' MAX. | 14,900 |

LARGER SIZES AVAILABLE UPON REQUEST, CONTACT JENSEN PRECAST FOR DETAILS.

- TANK DESIGNED FOR H-20 TRAFFIC WHEEL LOAD WITH DRY SOIL CONDITIONS (WATER TABLE BELOW TANK).
- SUITABLE NATIVE OR SUB-BASE SHALL BE PREPARED TO HANDLE ANTICIPATED LOADS. THE EXCAVATION SHALL BE BEDDED WITH SUITABLE GRANULAR MATERIAL AND SHALL BE COMPACTED TO 90% MAXIMUM DRY DENSITY, OR TO REQUIREMENTS OF THE PROJECT GEOTECHNICAL ENGINEER.
- FOR COMPLETE DESIGN AND PRODUCT INFORMATION CONTACT JENSEN PRECAST.

norweco® **SINGULAIR**®

SUBSURFACE DRIP DISPOSAL SYSTEMS PRE-ENGINEERED DESIGNS PARTS LIST



| | | | |
|---|---------------------------------|----|------------------------------------|
| 1 | HB105 Submersible Effluent Pump | 8 | Relief Valve Enclosure |
| 2 | Pump Float Switches | 9 | Flexible PVC Hose |
| 3 | Headworks Enclosure | 10 | Compression Fitting |
| 4 | Schrader Valve | 11 | Drip Emitter Tubing |
| 5 | 1" Disc Filter | 12 | Pressure Compensating Drip Emitter |
| 6 | Zone Indexing Valve | 13 | PVC Check Valve |
| 7 | Air/Vacuum Relief Valve | 14 | PVC Flush Valve |

PRE-ENGINEERED DESIGNS PARTS LIST (Page 2 of 4)

INTEGRATED SYSTEM CONTROLS

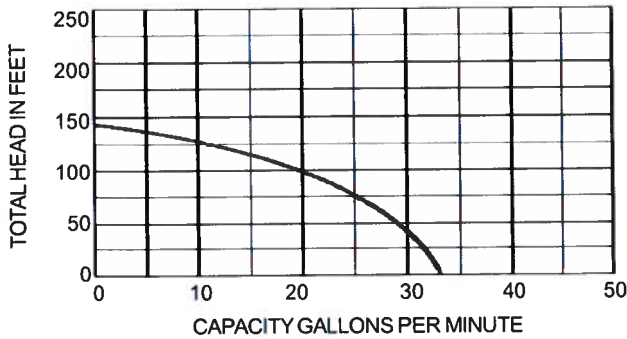
Integrated system controls (ISC) by Norweco eliminate the need to install and maintain separate controls for different components of the treatment system. One control center manages it all.

Certified and listed by NSF and CSA, ISC control centers bring together into one enclosure alarm/pump test switches, alarm silence switches, audible/visual alarms, failsafe features, remote monitoring, telemetry and aerator/pump timers.



EFFLUENT PUMP SPECIFICATIONS

The pump shall be a Norweco Model HB105 high head submersible pump, designed to handle filtered effluent and be capable of passing 1/16" spherical solids. The 115 volt, single phase, 60 cycle pump shall be UL and CSA listed and capable of running dry for short durations without damage to the motor or pump end.



The pump motor shall be 1/2 horsepower rated and operate at 3450 RPM. The motor assembly shall have corrosion resistant stainless steel exterior construction and incorporate a dual action starting switch to provide automatic torque reversal. Electrical surge protection shall be provided. Automatic motor overload protection shall be included at the top end of the motor windings and shall be wired in series to automatically cease operation when the motor winding temperature reaches 266° F. The 10 foot long motor power cord shall be 14-3, jacketed, type SJOW. The power cord shall be sealed at the motor entrance by means of a rubber grommet and stainless steel



compression plate. The pump impeller shall be of the six vane enclosed type, constructed of engineered thermoplastic. The impeller shall have a hexagonal I.D. and be positively driven by a hexagonal 300 series stainless steel pump shaft. The pump shall be warranted by the manufacturer against defects in material and workmanship for a period of one year under normal use and service.

FLOAT SWITCH

The mechanically-activated, wide-angle pump control switch provides automatic operation of the effluent dosing pump. This commercial duty float switch is not sensitive to rotation or turbulence, allowing it to be used in both calm and turbulent applications. Float switch features consist of UL recognition, NSF Standard 61 listing, CSA certification and Water Quality Association approval. **NOTE:** This switch is not recommended for controlling non-arcing electric loads or electric loads less than <100 milliamps, 12 VAC. Switch must be used with pumps that provide integral thermal overload protection.



FLOAT SWITCH TECHNICAL DATA

| | |
|-------------------------------|--|
| Cable | Flexible 16 Gauge, 2 Conductor SJOW, Water Resistant |
| Float Housing | 2.74" Diameter x 4.83" Long, High Impact, Corrosion Resistant, Polypropylene |
| Water Depth | 30 Feet |
| Electrical | 120/125 VAC 50/60 Hz Single Phase |
| Maximum Pump Starting Current | 78 Amps |
| Maximum Pump Running Current | 13 Amps |
| Maximum Pump HP | 1/2 HP |

MANUFACTURED BY

norweco

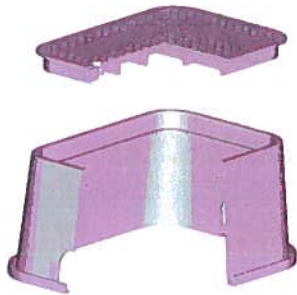
Engineering the future of water and wastewater treatment

NORWECO, INC.
 NORWALK, OHIO
 U.S.A. 44857
www.norweco.com

PRE-ENGINEERED DESIGNS PARTS LIST (Page 3 of 4)

HEADWORKS ENCLOSURE

The headworks enclosure is purple in color and rectangular in shape. Green enclosures are available if state and local regulations permit. All hydraulic system control components are contained within this open bottom enclosure. Components are conveniently arranged so that all necessary connections can be accessed from grade during routine service.



HEADWORKS ENCLOSURE TECHNICAL DATA

| | |
|----------------------------|--------|
| Enclosure Length | 15" |
| Enclosure Width | 21" |
| Enclosure Depth | 12" |
| Enclosure Color (Standard) | Purple |

SCHRADER VALVE

Schrader valves are manufactured with viton and PTFE threaded seals and are used with a liquid pressure gauge to accurately monitor system operating pressure. Located upstream and downstream of the disc filter and upstream of the flush valve.



SCHRADER VALVE TECHNICAL DATA

| | |
|-------------------|-----------------|
| Connection | 1/4" NPT |
| Maximum Pressure | 200 PSI |
| Temperature Range | 40° F to 300° F |
| Thread Size | 0.305" - 32 |

1" DISC FILTER



The disc filter is completely corrosion resistant and designed to capture and retain effluent suspended solids. 1" disc filters are manufactured specially for small flow applications. A built-in tap allows for continuous flushing of filtered solids to the return line. Operation is automatic and requires no special tools.

1" DISC FILTER TECHNICAL DATA

| | Metric | Imperial |
|------------------------------|---------------------|--------------------|
| Maximum Pressure | 10 Bar | 145 PSI |
| Flow Rate | 6 m ³ /h | 26 GPM |
| Flow Rate | 4 m ³ /h | 18 GPM |
| Filtration Surface Area | 316 cm ² | 49 in ² |
| Filtration Volume | 440 cm ³ | 27 in ³ |
| Filter Length | 237 mm | 9 11/32" |
| Filter Width | 158 mm | 6 7/32" |
| Distance Between Connections | 158 mm | 6 7/32" |
| Weight | 1 kg | 2.2 lbs. |

ZONE INDEXING VALVE

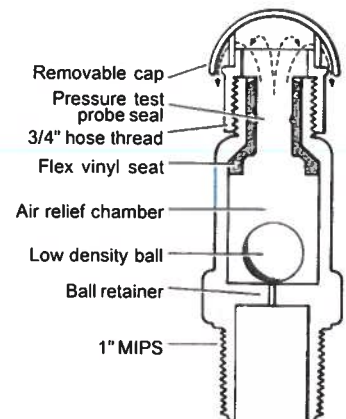
Zone indexing valves offer a reliable and economical way to automate multiple zoned residential and small commercial effluent drip disposal systems. Indexing valves are constructed of high strength, noncorrosive ABS polymer for long service life. Available in four and six outlet models, these valves make it easy to change from two to six disposal zones. Valves are easily maintained and serviced for long product life due to the simplicity of the design. Reliably automates multiple zoned residential and small commercial effluent disposal systems with flows as low as 10 GPM and pressures of 25-75 PSI.



AIR/VACUUM RELIEF VALVE

Air/vacuum relief valves are installed at the high points of the drip field to keep soil from being pulled into the drip emitters due to back siphoning or back pressure. They are also used for proper draining of the supply and return lines in freezing conditions.

The air/vacuum relief valve provides instant and continuous vacuum relief and noncontinuous air relief. Both the body and the removable cover shall be constructed of molded plastic. The body and the cover shall be connected with a 3/4" hose thread.



PRE-ENGINEERED DESIGNS PARTS LIST (Page 4 of 4)

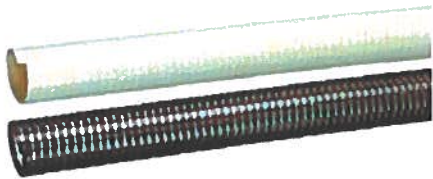
RELIEF VALVE ENCLOSURE



Manufactured from low density polymer resin, this 6" round enclosure provides a secure housing for the relief valve.

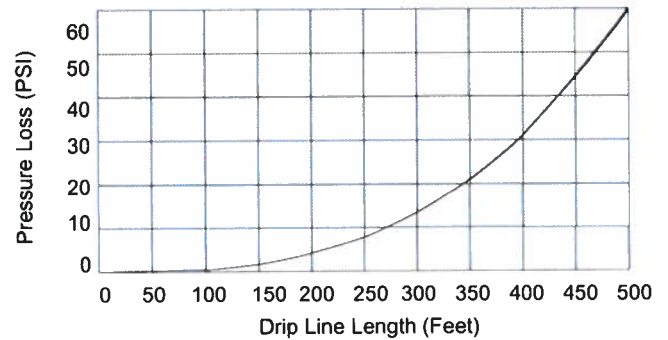
FLEXIBLE PVC HOSE

Designed to be glued into Schedule 40 PVC fittings, this flexible hose is used to connect drip tubing to supply and return lines. The hose is also used in single trench disposal zones to make loops in the drip tubing. Saves time and labor. Requires fewer fittings than rigid pipe. Smooth bore construction allows unrestricted flow. Use with recommended PVC primer and cement.



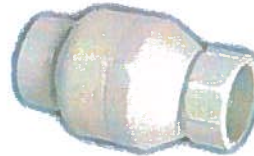
layers; the inside layer shall be a bactericide protection, the middle layer shall be black and the outside layer shall be purple striped for easy identification. The pressure compensating emitters shall be molded from virgin polyethylene resin with a silicone rubber diaphragm and shall have a nominal discharge rate of 1.02 gallons per hour. Each emitter shall be impregnated with a root growth inhibitor to protect against root intrusion.

Pressure Loss vs. Length of Drip Line



CHECK VALVE

PVC (Polyvinyl Chloride) check valves prevent effluent from flowing into resting disposal zones when active zones are being dosed. The check valves also allow maintenance to be performed without losing pressure in the system ahead of the maintenance.



Check valves are a vital component in multi-zone effluent drip disposal systems. The check valves are available as a union check valve combination, allowing a convenient connect/disconnect location anywhere in the system.

COMPRESSION FITTING



Compression fittings and adapters are specifically designed for use in subsurface effluent drip disposal systems. Manufactured from high strength polymer resin, these fittings simplify the installation of the emitter tubing.

COMPRESSION FITTING TECHNICAL DATA

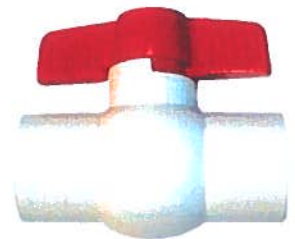
| |
|----------------------------|
| 1/2" Slip x 1/2" Drip Line |
| Weight: 0.005 lbs. |

FLUSH VALVE

The flush valve is used to establish system operating pressure, allowing a continuous flow through the disposal field.

FLUSH VALVE TECHNICAL DATA

| |
|--|
| Size: 1 1/4" PVC Ball Valve (Standard) |
| Rated for 150 PSI at 73° F |



DRIP EMITTER TUBING

The drip tubing shall consist of nominal sized 1/2" linear low density, polyethylene tubing with turbulent flow drip emitters bonded to the inside wall. The drip emitter flow passage shall be 0.032" x 0.045" square. The tubing shall have an outside diameter (O.D.) of approximately 0.64" and an inside diameter (I.D.) of approximately 0.55". The tubing shall consist of three



Flow Rate vs. Pressure / TDH

| Drip Tubing | Head | Pressure |
|-------------|---------------|------------|
| 1.02 GPH | 16 - 139 Feet | 7 - 60 PSI |

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MODEL AT 1500

UV DISINFECTION SYSTEM

INSTALLATION AND OPERATION MANUAL

The Model AT 1500 UV disinfection system is listed with Underwriters Laboratories (UL) under Standard 979 as a residential treatment device. The installer should provide a power disconnect switch mounted to the exterior of the facility being serviced to de-energize power to the unit during maintenance. Electrical work must be performed in accordance with the latest edition of the National Electrical Code, as well as all applicable local codes. **CAUTION: DO NOT LOOK DIRECTLY AT THE UV LAMP OR EXPOSE SKIN DURING OPERATION. PERMANENT EYE DAMAGE AND SKIN BURNS WILL OCCUR FROM UV RADIATION EXPOSURE. UV BLOCKING SAFETY GLASSES MUST BE WORN DURING INSTALLATION, SERVICE OR ANY TIME THE BULB MAY BE ILLUMINATED.**

COMPONENTS

The Model AT 1500 UV disinfection system consists of the following components:

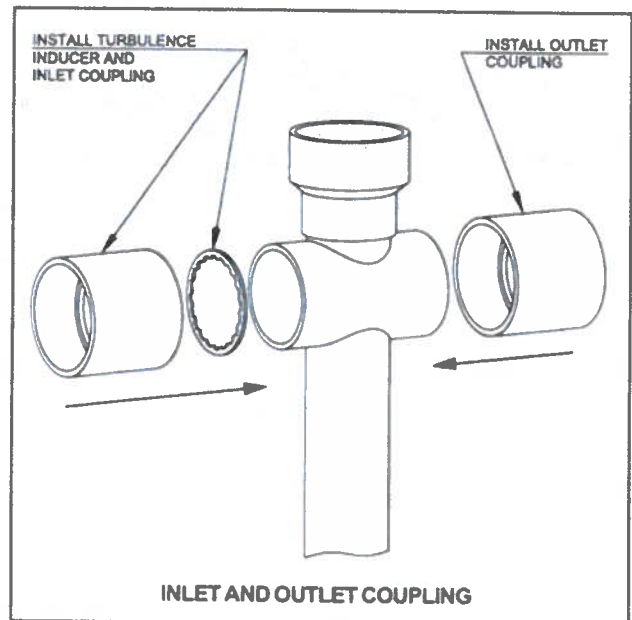
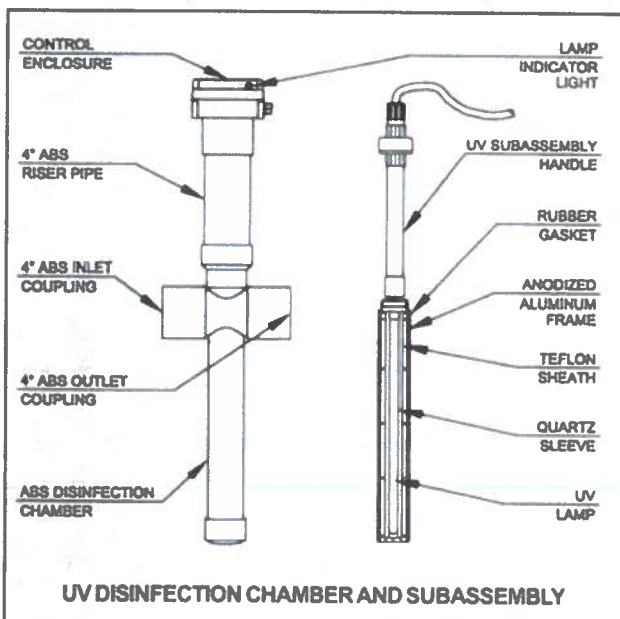
- | | |
|---------------------------|---|
| 1) Control enclosure | 8) UV subassembly with anodized aluminum frame, quartz sleeve and Teflon sheath |
| 2) 4" ABS riser pipe | |
| 3) 4" ABS inlet coupling | 9) Subassembly handle |
| 4) Turbulence inducer | 10) Dielectric grease (5 g) |
| 5) 4" ABS outlet coupling | |
| 6) Disinfection chamber | |
| 7) UV lamp (bulb) | |

These components should be supplied by the installer:

- | | |
|------------------------|-------------------------------|
| 1) Disconnect switch | 6) Isopropyl alcohol |
| 2) Solvent cement | 7) #14/2 AWG electrical cable |
| 3) Hacksaw | 8) Conduit and fittings |
| 4) Glycerin (optional) | |
| 5) Clean, soft cloth | |

INSTALLATION INSTRUCTIONS

1. The excavation for the wastewater treatment system upstream of the UV disinfection device should include an additional 3 feet of length to allow for installation of the Model AT 1500.
2. Carefully unpack the Model AT 1500 system. Remove and properly discard all packaging materials from the system components. The UV lamp should remain in the protective shipping sleeve until it is installed.
3. Insert the turbulence inducer into the 4" inlet coupling. Solvent weld the inlet coupling to the disinfection chamber with the turbulence inducer towards the chamber. Solvent weld the 4" outlet coupling to the disinfection chamber.



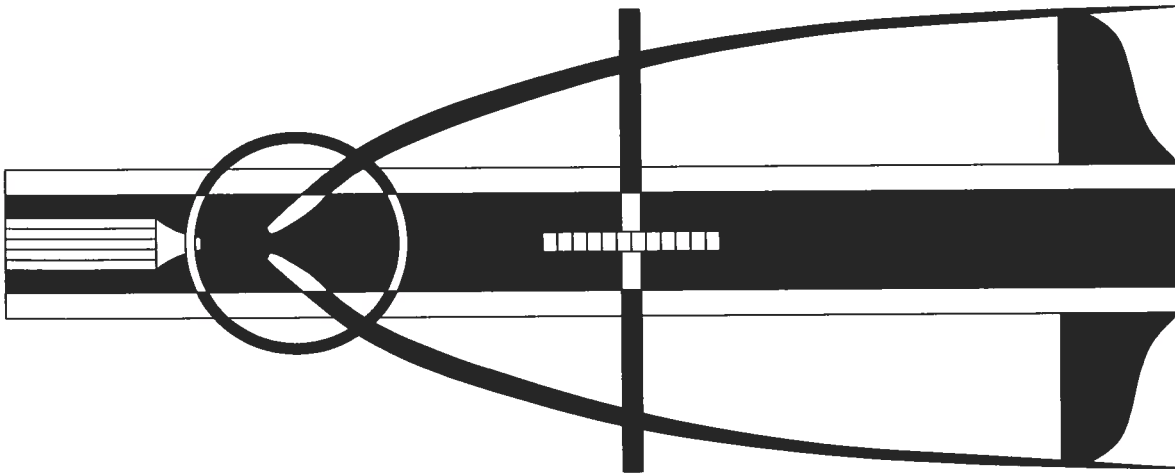
4. Solvent weld the effluent line of the upstream treatment system to the 4" inlet coupling of the Model AT 1500. Next, solvent weld the 4" outlet coupling to the final effluent line. Cover the open top of the disinfection chamber and backfill up to the bottom of the plumbing.

SERVICE PRO[®]

CONTROL CENTER WITH MCD[®] TECHNOLOGY

GENERAL SPECIFICATIONS

The contractor shall furnish and install one complete Service Pro control center with MCD technology as described in the following specifications. Monitoring, Compliance and Diagnostic (MCD) functions for the domestic wastewater treatment system and auxiliary equipment shall be accomplished by combining solid state microprocessor technology with optional advanced telemetry and web-based data acquisition. The control center shall operate the Singlair wastewater treatment plant and monitor the entire system, including up to three auxiliary treatment components. Once commissioned, the telemetry system shall communicate with the Service Pro website and monitoring center to record all maintenance and alarm details. The website shall function as the user interface to manage all operational data with password protected access available to distributors, service providers, regulatory agencies and homeowners.



OPERATING CONDITIONS

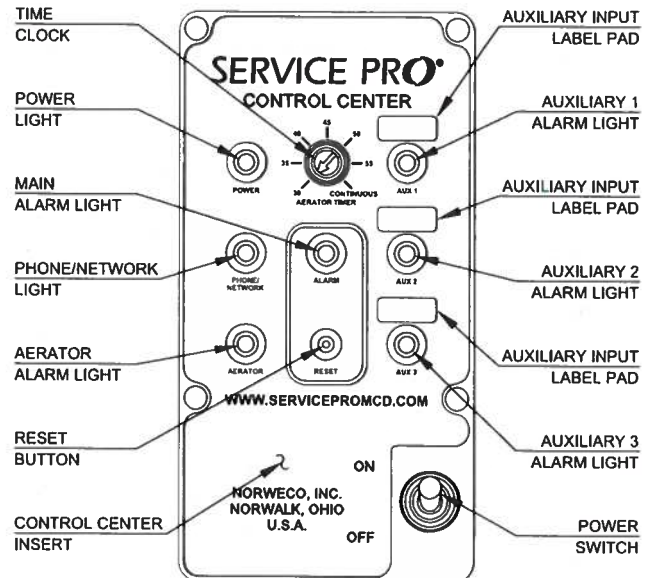
The Service Pro control center with MCD technology shall be UL Listed and provide Monitoring, Compliance and Diagnostic functions for the Singlair wastewater treatment plant and auxiliary equipment using a microprocessor based platform. The microprocessor shall contain nonvolatile memory to prevent loss of programming in the event of a power failure. When used with the Singlair Model 960 system, the programmed run cycle shall not permit the aerator to be "off" for more than thirty minutes per hour. When used with the Singlair Model TNT system, the programmed run cycle for the aerator shall be sixty minutes "on" and sixty minutes "off." The control center shall be housed in a NEMA rated electrical enclosure designed specifically for outdoor use. Control centers that do not include integral telemetry equipment require multiple enclosures with interconnecting wiring and shall not be considered for this application.

SPECIFICATIONS

SERVICE PRO®

MONITORING FUNCTIONS

The Service Pro control center shall monitor the operation of the Singulair system and up to three auxiliary treatment components. The performance of the Singulair aerator shall be constantly monitored to detect any aerator over current, aerator under current or open motor condition. If any one of these conditions is detected, power to the aerator shall be interrupted, a diagnostic sequence shall begin and the visual alarm shall activate. After a factory programmed recovery interval, an automatic restart attempt shall be initiated. If normal aerator operation does not resume during 24 programmed recovery and restart cycles, the audible alarm shall activate and, if the telemetry system has been enabled, the control center shall report the specific condition to the Service Pro monitoring center. In the event that any of the auxiliary inputs detect an operational problem, the audible and visual alarms shall immediately activate and, if the telemetry system has been enabled, the control center shall report the specific alarm condition to the monitoring center. The distributor shall be automatically notified by the Service Pro monitoring center of the specific alarm condition using phone, fax or email.



**SERVICE PRO CONTROL CENTER
MODEL 960 SYSTEM**

COMPLIANCE FUNCTIONS

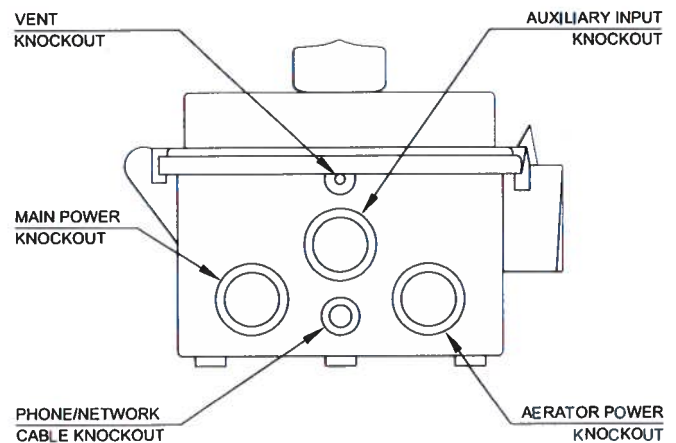
The Service Pro control center shall insure compliance with regulatory requirements by confirming normal system operation, providing remote system monitoring and automatically recording operating data and service visits. Distributors shall have the ability to grant regulatory agencies access to reports about installations in their jurisdiction that have been recorded on the Service Pro website. The optional integrated telemetry system shall enable the Service Pro control center to communicate with the monitoring center via standard residential telephone or Internet service. By use of the alarm reset button, the monitoring center shall be notified of the beginning and end of any service visit. The monitoring center shall provide a time and date stamped record of each service visit and post the data to the Service Pro website. If telemetry is enabled, the control panel shall automatically contact the monitoring center monthly and deliver a heartbeat call indicating proper system operation. If the heartbeat call is not received, the monitoring center shall provide notification to the service provider indicating the system has not confirmed proper operation and a site visit is required. Control centers and/or telemetry systems without the heartbeat feature do not provide proactive confirmation of system compliance and shall not be considered for this application.

DIAGNOSTIC FUNCTIONS

The diagnostic functions of the Service Pro panel shall insure automatic identification of any alarm condition from the Singulair system or accessory equipment. Excessive load on the aerator from any cause, including effluent pump failure, a Bio-Kinetic system requiring service or system high water, shall result in the control center visual alarm indicating an aerator over current condition. An open electrical circuit anywhere in the control center or aerator, a broken service wire between the control center and the aerator, open motor windings within the aerator or an aerator that has been left unplugged shall activate the visual alarm indicating an aerator under current condition. Any aerator alarm condition shall activate the diagnostic sequence during which the control center shall allow for a temporary condition to correct itself before a call is made to the remote monitoring center. The diagnostic sequence shall include up to 24 automatic restart attempts within a two hour period. During this diagnostic period when the control center is attempting to automatically restart the Singulair aerator, pushing the reset button shall result in a manual restart attempt. Any successful restart attempt shall return the system to normal operation and the visual alarm shall deactivate. If the condition has not been corrected after 24 manual or automatic restart attempts, the control center shall activate the audible alarm and, if the telemetry system has been enabled, notify the monitoring center of the specific alarm code. Any auxiliary equipment malfunction shall immediately activate the control center audible and visual alarms. If enabled, the telemetry system shall then call the monitoring center to identify the specific auxiliary alarm.

CONTROL CENTER COMPONENTS

The Service Pro control center shall use a microprocessor based platform to control and monitor the wastewater treatment system. Nonvolatile memory built into the solid state circuit board shall prevent programming loss in the event of a power failure to the facility being served. The pre-wired controls shall be mounted in a lockable NEMA rated enclosure designed specifically for outdoor use. The corrosion resistant enclosure shall have knockouts molded into the bottom surface to facilitate installation of electrical conduit and the system phone or network line. Each control center shall be a UL Listed assembly and shall include a time clock, main alarm light, reset button, power switch, power light, phone/network light, aerator alarm light and three auxiliary alarm lights. The power switch shall control power for all Service Pro control center and aerator functions. The green power light shall be lit when the controls are energized and is the only light that will be illuminated during normal system operation. The yellow phone/network light shall be illuminated when the telemetry system is communicating. The red aerator alarm light shall be illuminated when normal operation of the aerator has been interrupted. The red auxiliary input lights shall illuminate only when the respective optional device requires service. The main alarm circuit of the Service Pro control center shall contain both visual and audible alarms and a reset button. Both the audible and visual alarms shall comply with the requirements of NSF/ANSI Standard 40 and Standard 245 regarding visual and audible signaling equipment. The main alarm light shall be visible through the closed door of the enclosure via a red weatherproof lens. When activated by either an aerator or auxiliary alarm, the main alarm light shall flash a programmed pattern to indicate the specific alarm condition. The reset button shall be centrally located on the control center and accessible from outside the enclosure via a weatherproof boot. Pressing the reset button shall cause a manual restart attempt of the aerator and re-initiate the programmed run cycle. If the audible alarm has been activated, pressing the reset button shall silence the alarm. The visual alarm shall remain active during the time the audible alarm is silenced. If the alarm condition has not been corrected after 48 hours, the audible alarm will reactivate. If telemetry is enabled, the control panel shall automatically call the Service Pro monitoring center. Data transmitted by the control center shall be received by the monitoring center and recorded in the database maintained via the Service Pro website. The monitoring center shall automatically notify the distributor or service provider when a Service Pro panel reports an alarm condition or fails to initiate a monthly heartbeat call.



BOTTOM OF ENCLOSURE WITH KNOCKOUTS

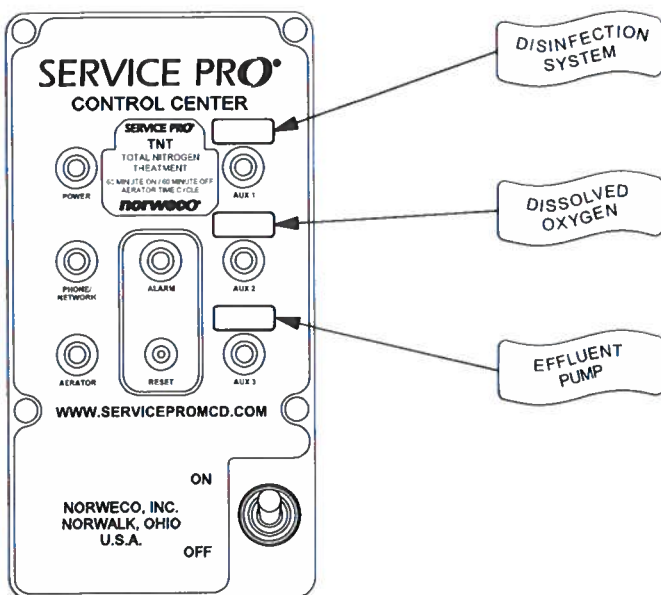
The red auxiliary input lights shall illuminate only when the respective optional device requires service. The main alarm circuit of the Service Pro control center shall contain both visual and audible alarms and a reset button. Both the audible and visual alarms shall comply with the requirements of NSF/ANSI Standard 40 and Standard 245 regarding visual and audible signaling equipment. The main alarm light shall be visible through the closed door of the enclosure via a red weatherproof lens. When activated by either an aerator or auxiliary alarm, the main alarm light shall flash a programmed pattern to indicate the specific alarm condition. The reset button shall be centrally located on the control center and accessible from outside the enclosure via a weatherproof boot. Pressing the reset button shall cause a manual restart attempt of the aerator and re-initiate the programmed run cycle. If the audible alarm has been activated, pressing the reset button shall silence the alarm. The visual alarm shall remain active during the time the audible alarm is silenced. If the alarm condition has not been corrected after 48 hours, the audible alarm will reactivate. If telemetry is enabled, the control panel shall automatically call the Service Pro monitoring center. Data transmitted by the control center shall be received by the monitoring center and recorded in the database maintained via the Service Pro website. The monitoring center shall automatically notify the distributor or service provider when a Service Pro panel reports an alarm condition or fails to initiate a monthly heartbeat call.

MODEL 960 SYSTEM OPERATION

When a Service Pro control center is used with the Model 960 Singulair system, the aerator run cycle shall be controlled by an adjustable, pre-wired time clock. The minimum setting shall not permit the aerator to be "off" for more than 30 minutes per hour. The time clock shall be adjustable in 5 minute increments and designed so that any adjustment results in additional run time up to "continuous" operation (60 minutes per hour). Use of a time clock can seriously affect system performance and operating cost. Systems that have not been performance certified at the minimum time clock setting by an independent testing laboratory shall not be considered for this application.

MODEL TNT SYSTEM OPERATION

The Service Pro control center supplied with the Model TNT Singulair system shall be equipped with a factory programmed timer that controls aerator operation. The non-adjustable timer shall create a 60 minute aeration cycle followed by a 60 minute anoxic cycle during which the aerator shall be "off". A total of twelve hours of aerator operation per day shall be provided.

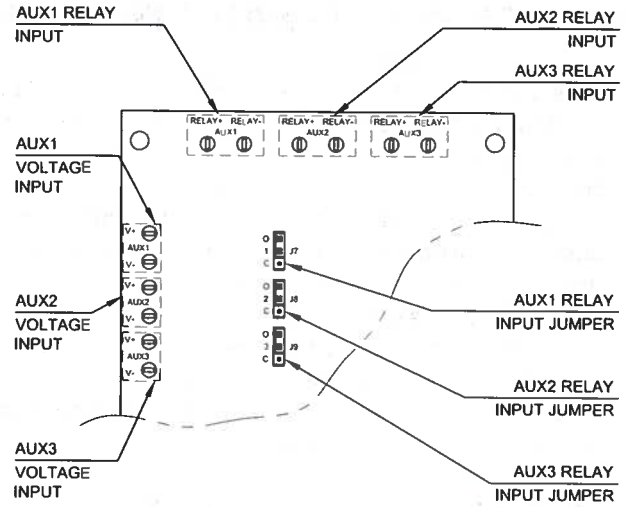


MODEL TNT CONTROL CENTER WITH AUXILIARY ALARM LABELS

MCD® TECHNOLOGY

AUXILIARY ALARMS

The Service Pro control center shall contain three auxiliary alarm inputs to monitor accessory components. Each auxiliary input shall allow connection to a voltage signal, normally open relay contacts or normally closed relay contacts, using the appropriate input terminals and jumpers. The voltage input connections are located along the left edge of the circuit board and shall automatically adjust to accept any input voltage from 5 to 120 VAC/DC without programming or jumper adjustment. The relay input connections are located along the top edge of the circuit board and shall be configured for normally open (O) or normally closed (C) relay contacts by placing jumpers over the appropriate pins (labeled JP7, JP8 and JP9). Any auxiliary alarm signal shall activate that specific auxiliary alarm light and the main alarm light, sound the audible alarm and call the remote monitoring center if the telemetry function is enabled. Once connected to the remote monitoring center, the control center shall identify which auxiliary alarm has been activated. Each auxiliary input shall be labeled in the space provided on the control center insert using the factory-supplied preprinted labels. The auxiliary inputs shall be used to monitor wastewater treatment equipment only. Connection of household appliances, security systems or other unauthorized equipment is prohibited and shall void the limited warranty.

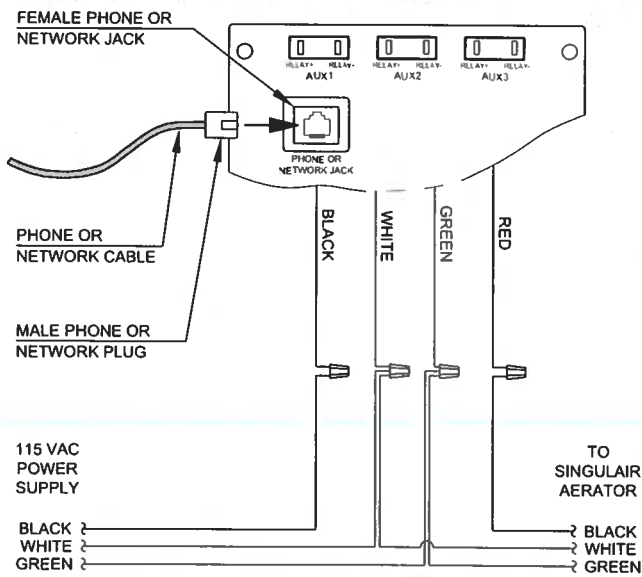


AUXILIARY ALARM INPUTS

TELEMETRY FUNCTIONS (Optional)

Optional integrated telemetry shall permit interactive communication between the monitoring center and the Singlair system, including all auxiliary equipment. The panel shall be factory programmed to contact the Service Pro monitoring center where the database of specific system information and a call record is maintained. The control center shall be shipped from the factory with the telemetry function disabled. Following panel installation and execution of the remote monitoring agreement, a commissioning process shall activate the telemetry function and establish communications with the Service Pro monitoring center via a toll-free telephone number or Internet connection. During normal operations, the heartbeat feature shall initiate a communication to the monitoring center at monthly intervals. The panel shall also contact the monitoring center to report alarm

conditions. During each communication, the control center shall identify the individual installation and deliver the operational status or specific alarm code. The panel shall confirm receipt of the message before ending the communication. If not confirmed, the panel shall repeat until successful. The telemetry system shall have the ability to share a phone line or Internet connection with the facility being served. A dedicated telephone line or Internet connection shall not be required. If a telephone line is utilized, the panel shall automatically check phone line availability before initiating a call. If the phone line is not available, the system shall check every five minutes until the line becomes clear. When a clear line is available, the panel shall connect with the monitoring center. If the telemetry system is in the process of communicating and the telephone is picked up, the telemetry system shall immediately disconnect. The telephone shall be available for use after the person attempting to initiate a call momentarily hangs up to clear the phone line. The panel shall continue to monitor use of the telephone line. When the control center detects the telephone line is available for use, the telemetry system shall repeat the interrupted communication to the remote monitoring center.



WIRING DIAGRAM

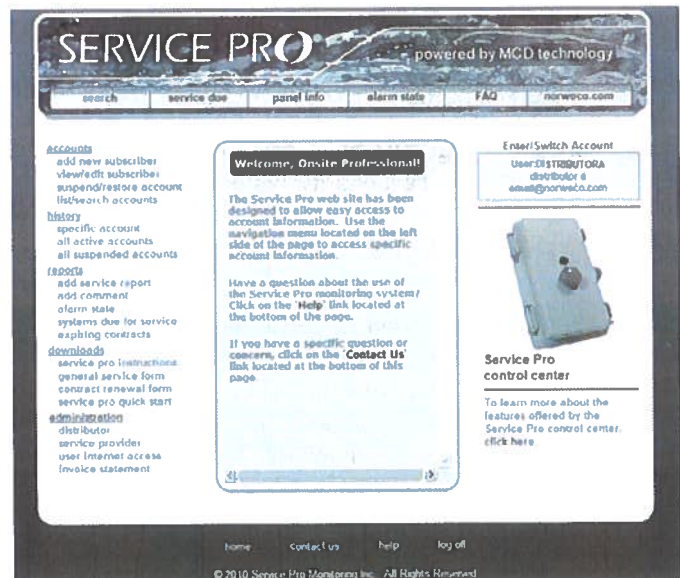
SPECIFICATIONS

SERVICE PRO® MONITORING CENTER

The Service Pro monitoring center shall include a 128 bit encrypted, password protected website for interface with the database of wastewater treatment system information. Access to the secure website shall be obtained through a unique user name and password that gives users tiered access to data from the wastewater treatment systems being monitored. Access levels shall include distributors, service providers, local regulatory agencies, state regulatory agencies and individual system owners. Distributors and service providers shall be able to create accounts, maintain service records and grant regulatory agencies access to the website. Individual system owners shall be able to view information regarding their own systems, as well as download instructional information. The monitoring center database shall contain the following information for each system registered: owner's name and system address, aerator serial number, control center serial number, system model number(s), auxiliary alarm information, accessory equipment information, permit information, service contract information, account status, service history and complete alarm history. Access to all wastewater treatment system information shall be password protected and limited exclusively to distributors, service providers, regulatory agencies and system owners. Integrity of stored data shall be maintained through the use of multiple servers operating in geographically isolated locations.

COMMISSIONING PROCESS

The Service Pro control center shall be programmed to initiate communications with the website and remote monitoring center via the commissioning process. Commissioning shall typically be initiated at Singulair system start-up and shall require no special tools or electronic equipment. The colored indicator lights on the face of the control center insert shall be used to confirm each step through the commissioning process. The Service Pro telemetry system shall send a communication to the monitoring center identifying the control panel and indicating that telemetry features have been enabled. If the control center has been correctly commissioned, the red alarm light in the center of the Service Pro panel shall flash five times and then turn off. If commissioning is not performed, the telemetry features shall remain disabled, but all Singulair wastewater treatment system operating controls and diagnostic features shall be fully functional.



www.servicepromcd.com

SERVICE MANAGEMENT MODULE

All routine and emergency service shall be managed by the Service Pro monitoring center and shall be accessible through the password protected website. Systems where the telemetry functions are not activated shall be managed by manual entries into the website. When a Singulair installation is registered, the service frequency for the system shall be entered into the database. An online report shall constantly notify distributors and service providers of the systems that are due for service in the next 90 days, including both warranty and extended service contract inspections. All systems with service contracts expiring within the next 90 days in a given geographic area also shall be posted to an online report. Any system in the area that is currently experiencing an alarm condition shall be posted and viewable by the distributor and service provider. Distributors shall have the ability to grant regulatory officials access to system reports. These reports shall improve maintenance efficiency by allowing all service visits and installation inspections to be scheduled by date and grouped by physical proximity.

When service to the Singulair wastewater treatment system is performed, the date and time of the service visit as reported by the Service Pro telemetry system shall be posted on the website. If the telemetry system has not been commissioned, the website shall have the ability to receive manually entered service reports and post them with all inspection and compliance information. Manually completed service reports shall be automatically incorporated into the Service Pro website for electronic tracking. The service reports shall specify the inspection date, service performed and the condition of all equipment, including the Singulair aerator, Bio-Kinetic system, control center, optional disinfection system and effluent disposal system.

CERTIFICATION AND TESTING

The Service Pro control center shall be certified by internationally accredited, independent testing laboratories to verify product safety and performance. The control center shall meet the requirements of Underwriter's Laboratory (UL) Standard 508 and the Canadian Standards Association (CSA) Standard CAN/CSA-C22.2 No. 68-92 (R2004). The telemetry equipment shall be licensed by the Federal Communications Commission (FCC) under Standard 68. The circuit board shall be tested by an independent agency for certification and approval to ANSI C62-41 for 320 joules of intermittent electrical surge protection. The Service Pro control center shall be tested by an independent third party laboratory for electromagnetic compatibility per European Standard EN61000-6-1, including radiated and conducted radio frequency testing, electrostatic discharge testing and fast burst transient testing. To prevent corrosion from humidity or potentially harmful gasses associated with the treatment of domestic wastewater, the completed circuit board shall be conformal coated with a UL Recognized acrylic resin meeting military specification MIL-46058C.

The Service Pro control center shall be listed by NSF International and CSA for compliance with all applicable standards. The enclosure for the control center shall be certified as complying with NEMA standards for outdoor rated electrical enclosures. The current sensing circuit of the control center shall be tested to maintain accuracy to within 5% of the design parameters when operated in ambient temperatures from -20° to 160° Fahrenheit. The control center shall meet the requirements of NSF/ANSI Standard 40 and Standard 245 for use with Singulair wastewater treatment systems, including performance testing of the audible and visual alarms. Control centers not complying with applicable standards, certifications and testing have not been proven suitable for long term use and shall not be considered for this application.

WARRANTY PROGRAM

The manufacturer shall provide a three year limited warranty against defects in material and workmanship under normal use and service for each Service Pro control center with MCD technology. The warranty shall also cover any other Singulair components purchased from the manufacturer. The Singulair distributor shall provide warranty program details to the regulatory agency, contractor and customer as required.

EQUIPMENT MANUFACTURER

The equipment specified herein shall be the product of a manufacturer having a minimum of seven years experience in the construction of prefabricated wastewater treatment equipment and systems. Bids shall be prepared on the basis of the equipment and material specified herein for purposes of determining the low bid. This is not done, however, to eliminate other products or equipment of equal quality and efficiency. If equipment is to be substituted, approval of such substitution must be made prior to execution of any order. It is assumed that substitution will result in a reduction of cost to the contractor and that if accepted, these savings will be passed along by a reduction in the base bid.

PROGRESS THROUGH SERVICE SINCE 1906

norweco[®]

*Engineering the future of water
and wastewater treatment*

220 REPUBLIC STREET
NORWALK, OHIO, USA 44857-1156
TELEPHONE (419) 668-4471
FAX (419) 663-5440
www.norweco.com

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APPENDIX D
STS NOTES

CONSTRUCTION REQUIREMENTS FOR DRIP DISPERSAL SYSTEMS as a "Supplemental Treatment System" (STS)...(presumed to be the same as an advance treatment system by definition)

1. An STS must be installed by a licensed qualified service provider certified to install the specific STS proposed and the system must be installed according to the qualified professional's specifications for location, components, size and depth.
2. The natural soil cover over a drip dispersal system shall be at least 6 inches but no greater than 12 inches.
3. The drip dispersal system shall be covered with vegetation to allow for uptake of nutrients from the wastewater.
4. The drip dispersal system shall be designed and maintained to reduce orifice clogging and root intrusion.
5. The drip dispersal system shall be designed, located and maintained to prevent vehicular traffic over it.
6. The setbacks required between drip dispersal systems and other components of the OWTS as well as structures, property lines, easements, watercourses, wells, or grading shall be the same as required for leach lines with the exception that the setback to structures and property lines can be reduced to 2 feet. See the setback table found in Chapter 1 of this LAMP for the complete list of setbacks.
7. The maximum slope allowed for the installation of a drip dispersal system shall be 40 percent.
8. Drip dispersal systems are pressure distribution systems and head loss calculations shall be provided to ensure proper hydraulic pressure at the emitter.
9. Drip dispersal system emitter lines shall be designed as a continuous loop circuit with no dead-ends.
10. Vacuum release valves shall be installed at the highpoint of the emitter lines.
11. The maximum emitter longitudinal spacing on an emitter line shall be 2 feet. The maximum spacing between adjacent emitter lines in an absorption bed configuration shall be 2 feet.
12. Drip dispersal systems shall be time dosed over a 24-hour period. Demand control dosing shall override timed dosing in periods of flow where timed dosing cannot accommodate the excessive flow.
13. Drip dispersal systems shall be designed to have a minimum operating pressure at the emitter head of 10 pounds per square inch (psi), a maximum operating pressure of 45 psi, a maximum system operation pressure of 60 psi, and a maximum discharge rate per emitter of 1.5 gallons per hour.
14. All drip dispersal systems shall incorporate an automatic mechanism for backwashing or flushing the drip lines and filters.
15. Septic tanks, pump chambers or other related components of an STS including risers shall undergo a water tightness test at the site of the installation. Anti-floatation devices shall be utilized as needed.
16. The STS shall include a petcock on the dosing pump discharge line or other suitable location as agreed upon by DEH for effluent sampling.
17. All components of the STS shall be certified in writing by the qualified professional who designed the STS that the installation was completed per the approved design.

OPERATION AND MAINTENANCE

1. All STS require an annual operating permit, issued by DEH. The annual operating permit will define the monitoring and maintenance requirements as specified by the manufacturer and/or qualified professional who designed the system.
2. An operation and maintenance manual shall be provided by the qualified professional that includes the qualified professional's name, address, telephone number, and business and professional license number. A copy shall be maintained at the site and shall be available to the qualified service provider.
3. All STS must be maintained by a qualified service provider and a maintenance contract must be kept in place throughout the life of the STS.
4. All STS require, at a minimum, biannual inspections by the qualified service provider to ensure proper operation and maintenance of the system. Copies of the inspection results shall be provided to the DEH within 30 days of the inspection being completed.
5. The drip dispersal system shall be flushed once every three months for the first year or until vegetation is established, whichever occurs first. Flushing shall occur every six months thereafter.
6. The qualified service provider shall be responsible for responding to alarms and performing telemetric monitoring of the STS, replacing faulty equipment and collecting effluent samples for quality analysis as needed.
7. All failures, malfunctions, service requests, alarms, or other instances where an STS requires the attention of a qualified service provider shall be reported to DEH within 72 hours of the incident occurring.
8. Recordation to the title and property records at the County of San Diego Recorder's Office of a Covenant and Agreement acknowledging the existence of the STS and requirements to maintain an annual operating permit and maintenance contract is required prior to final approval of the system installation.
9. Failure to maintain an annual operating permit or provide the biannual inspection results to DEH will result in enforcement action and may result in condemnation of the structure.

APPENDIX E
DAILY FLOW CALC.

San Miguel Fire Station 18
1811 Suncrest Blvd
Daily Flow Calculation

| | 2023 | 2022 | Avg. | Avg |
|-----------|-----------|------|------------------|------------|
| | Meter HCF | | Gallon/Month | Gallon/Day |
| January | 9.2 | 9.9 | 7143.4 | 230 |
| February | 7.9 | 7.9 | 5909.2 | 211 |
| March | 8 | 7.9 | 5946.6 | 192 |
| April | 8 | 10 | 6732 | 224 |
| May | 8 | 9 | 6358 | 205 |
| June | 7.2 | 12 | 7180.8 | 239 |
| July | 10 | 10 | 7480 | 241 |
| August | 9.1 | 6.8 | 5946.6 | 192 |
| September | 11 | 9 | 7480 | 249 |
| October | 7 | 6.8 | 5161.2 | 166 |
| November | 7.9 | 7.1 | 5610 | 187 |
| December | 7.8 | 5.9 | 5123.8 | 165 |
| | | | Avg Daily Usage: | 209 |

Current staffing is 2 firefighters per shift.

Factor of Safety includes doubling of shift, although not planned anytime soon.

CUSTOMER - ACCOUNT #: 024107-30911248
 SAN MIGUEL FIRE
 1809 SUNCREST BLV
 GOV - GOVERNMENT
 STATEMENT DATE 1/19/2024

| Meter Number | Billing Period | Days | Prior Read | Current Read | Water Units in HCF |
|--------------|----------------|------|------------|--------------|--------------------|
| 87092160 | 12/11-01/15 | 35 | 497 | 507 | 10 |

News

Santee Lakes Community Survey
 Be a part of setting the course of Santee Lakes Recreation Preserve for years to come by participating in a community survey. We are looking for your feedback about events, amenities, guest experience, future goals and more. Those who take the survey will have the opportunity to enter to win a two night cabin stay at Santee Lakes. Complete the survey at: www.padredam.org/santeelakesurvey



1 HCF = 748 Gallons

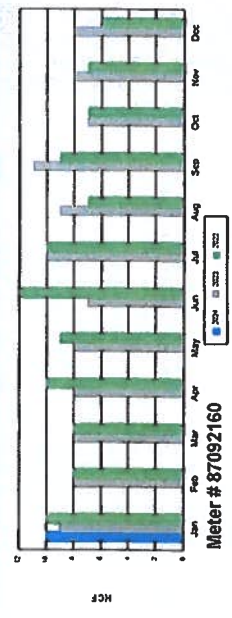
NEW ACTIVITY

| | |
|-----------------------------|-----------------|
| SDCWA Infrastructure Charge | \$4.24 |
| System Charge | 40.97 |
| Water Charges | 81.80 |
| Pumping/Energy | 12.80 |
| Eastern Tax Credit | -7.40 |
| New Water Charges | \$132.41 |

Sewer service is not provided to your property by Padre Dam.

Department Ops
 Account 3.6176-018
 Approved by PO #96
 Approval Date _____

PAID
 JAN 26 2024
 BY: 32526



| | |
|---------------------------------|-----------------|
| Prior Balance | \$270.20 |
| Late Fee | 12.91 |
| Payment(s) Received | -256.09 |
| Balance: | \$27.02 |
| New Water Charges | 132.41 |
| New Charges Due 2/3/2024 | \$132.41 |

Total Account Balance

ATTACHMENT E - SEPTIC PLAN



PADRE DAM
Municipal Water District
PO Box 719003
Santee CA 92072-9003

| | |
|----------------------------------|-------------------|
| Customer - Account Number | 024107-30911248 |
| Service Address | 1809 SUNCREST BLV |
| Prior Balance DUE NOW: | \$155.23 |
| Total Due by 12/30/2023 | \$114.97 |
| Total Account Balance Due | \$270.20 |
| If Paid Late | \$297.22 |



Pay with eCheck, Visa, MasterCard or Discover - Free paperless bills at www.padredam.org

PA81214A
9000002622 00.0000.2622 2622/1

 SAN MIGUEL FIRE
2850 VIA ORANGE WAY
SPRING VALLEY CA 97978-1746



PADRE DAM M.W.D.
P O BOX 6900
ARTESIA CA 90702-6900

02410730911248000000000270202

Please detach and return top portion with payment in the return envelope provided.

CUSTOMER - ACCOUNT #: 024107-30911248
SAN MIGUEL FIRE
1809 SUNCREST BLV
GOV - GOVERNMENT
STATEMENT DATE 12/15/2023

| Meter Number | Billing Period | Days | Prior Read | Current Read | Water Units in HCF |
|--------------|----------------|------|------------|--------------|--------------------|
| 87092160 | 11/12-12/11 | 29 | 489 | 497 | 8 |

News

Rate Information

Water and pumping rates in 2024 will increase solely due to increases from the San Diego County Water Authority (CWA) and San Diego Gas & Electric (SDG&E). The increases will apply to water use on or after January 1 and will appear on bills mailed on or after February 1, 2024. It is necessary to pass-through cost increases from CWA and SDG&E to ensure there are sufficient revenues to provide services to District customers and maintain the safety and reliability of infrastructure. One hundred percent of pass-through increases will be used to pay external providers. Padre Dam does not use any revenue from pass-throughs for its internal costs.

WATER 

SEWER 

1 HCF = 748 Gallons

NEW ACTIVITY

| | | |
|-----------------------------|---------------|-----------------|
| SDCWA Infrastructure Charge | | \$4.24 |
| System Charge | | 40.97 |
| Water Charges | 8 HCF @ 8.18 | 65.44 |
| Pumping/Energy | 8 HCF @ 1.28 | 10.24 |
| Eastern Tax Credit | 8 HCF @ -0.74 | -5.92 |
| New Water Charges | | \$114.97 |

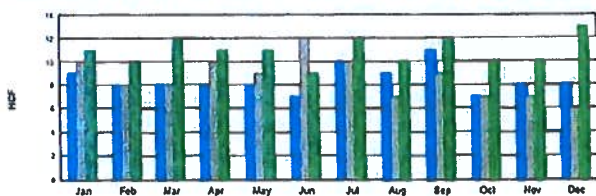
Sewer service is not provided to your property by Padre Dam.

PAID
PAID JAN 11 2024
BY 32458

Department ops
Account 3.6170.018

Approved by PO#96
Approval Date _____

Water Use



Total Amount Due

| | |
|-----------------------------------|-----------------|
| Prior Balance | \$141.12 |
| Late Fee | 14.11 |
| Prior Balance DUE NOW: | \$155.23 |
| New Water Charges | 114.97 |
| New Charges Due 12/30/2023 | \$114.97 |
| Total Account Balance | \$270.20 |

ATTACHMENT E - SEPTIC PLAN



| | |
|---------------------------|-------------------|
| Customer - Account Number | 024107-30911248 |
| Service Address | 1809 SUNCREST BLV |
| Prior Balance: | \$26.15 |
| Total Due by 12/2/2023 | \$114.97 |
| Total Account Balance Due | \$141.12 |
| If Paid Late | \$155.23 |



Pay with eCheck, Visa, MasterCard or Discover - Free paperless bills at www.padredam.org

PAB1116A
9000002615 00.0000.2615 2615/1



SAN MIGUEL FIRE
2850 VIA ORANGE WAY
SPRING VALLEY CA 97978-1746



PADRE DAM M.W.D.
P O BOX 8900
ARTESIA CA 90702-8900

0241073091124800000000141122

Please detach and return top portion with payment in the return envelope provided.

CUSTOMER - ACCOUNT #: 024107-30911248
SAN MIGUEL FIRE
1809 SUNCREST BLV
GOV - GOVERNMENT
STATEMENT DATE 11/17/2023

| Meter Number | Billing Period | Days | Prior Read | Current Read | Water Units In HCF |
|--------------|----------------|------|------------|--------------|--------------------|
| 87092160 | 10/15-11/12 | 28 | 461 | 469 | 8 |

News

Don't Pour Fats, Oils and Grease Down the Drain
Protect your pipes this holiday season by disposing of fats, oils and grease in the trash, not down the drain. When poured down the drain, substances like cooking grease, gravy and sauces cause expensive blockages and backups in home and community wastewater systems.

WATER

SEWER

1 HCF = 748 Gallons

NEW ACTIVITY

| | | |
|-----------------------------|---------------|-----------------|
| SDCWA Infrastructure Charge | | \$4.24 |
| System Charge | | 40.97 |
| Water Charges | 8 HCF @ 8.18 | 65.44 |
| Pumping/Energy | 8 HCF @ 1.28 | 10.24 |
| Eastern Tax Credit | 8 HCF @ -0.74 | -5.92 |
| New Water Charges | | \$114.97 |

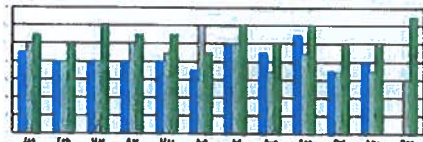
Sewer service is not provided to your property by Padre Dam.

PADRE DAM
Department Account

Ops
3,6170
PAID
PAID
DEC 07 2023
BY: 32373

Approved by
Approval Date

Water Use



Meter # 87092160
Current Usage: 8 HCF = 5,984 Gallons
Gallons Per Day: 214 Gallons*

*Gallons per day are based on the number of days in the billing period

Total Amount Due

| | |
|----------------------------------|-----------------|
| Prior Balance | \$261.49 |
| Late Fee | 26.15 |
| Payment(s) Received | -261.49 |
| Balance: | \$26.15 |
| | |
| New Water Charges | 114.97 |
| New Charges Due 12/2/2023 | \$114.97 |
| Total Account Balance | \$141.12 |

News

Low-Income Rate Assistance
 The Low-Income Household Water Assistance Program is a federal program that provides financial assistance to low-income Californians to help manage their residential water utility costs. The program may be able to help qualifying low-income customers pay down residential water or wastewater bills. Visit www.padredam.org/LIHWAP for more information.

CUSTOMER - ACCOUNT #: 024107.30911248

SAN MIGUEL FIRE
 1809 SUNCREST BLV
 GOV - GOVERNMENT

| STATEMENT DATE | | 10/20/2023 | |
|----------------|----------------|------------|--------------------|
| Meter Number | Billing Period | Days | Water Units in HCF |
| 87092160 | 09/17-10/15 | 28 | 481 |
| | | 474 | 7 |



NEW ACTIVITY

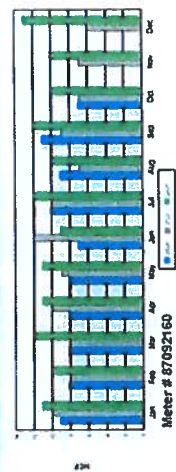
| | |
|-----------------------------|-----------------|
| SDCWA Infrastructure Charge | \$4.24 |
| System Charge | 40.97 |
| Water Charges | 57.26 |
| Pumping/Energy | 8.96 |
| Eastern Tax Credit | -5.18 |
| New Water Charges | \$106.25 |

1 HCF = 748 Gallons

Sewer service is not provided to your property by Padre Dam.

Department Ops
 Account 3.6170.018
 Approved by PG#96
 Approval Date _____

Water Use



*Gallons per day are based on the number of days in the billing period

Total Amount Due

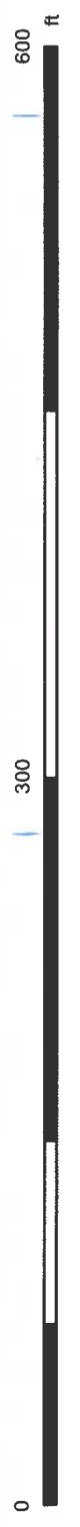
| | |
|----------------------------------|-----------------|
| Prior Balance | \$141.13 |
| Late Fee | 14.11 |
| Prior Balance DUE NOW: | \$155.24 |
| | |
| New Water Charges | 106.25 |
| New Charges Due 11/4/2023 | \$106.25 |
| Total Account Balance | \$261.49 |

There is a PAST DUE balance of \$155.24. Please pay NOW to avoid further fees/charges and service disconnection as outlined on the back of your bill. Noticed and disconnected service will result in additional fees/charges and a deposit. If you have already paid in full, THANK YOU!

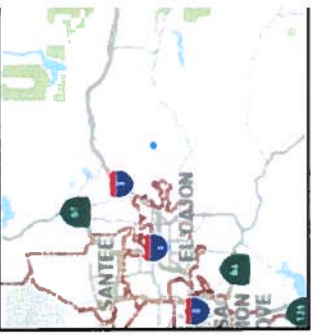
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 NOV 03 2023
 BY: 32290



SanGIS | See web site for license constraints. | Logo | Data



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Legend

- Department of Environmental Health and Quality
- LWQD Well Permits
- SDWS Permits
- Monitoring Well Permits
- 40-Foot Topographic Contour
- Stream/River (NHD)
- Intermittent Streams (NHD)

Notes