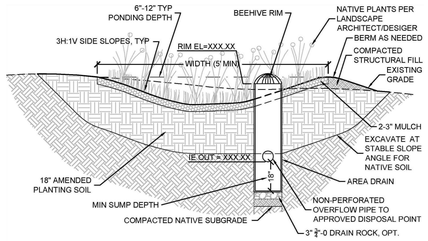


INFILTRATION RAIN GARDEN WITH PLANTING SOIL NOTES

DESIGN NOTES:

1. PLANT WITH PLANTS PER LANDSCAPE ARCHITECT DWGS. NATIVE PLANTS ARE PREFERRED, BECAUSE NON-NATIVE AND INVASIVE SPECIES CAN MOVE DOWNSTREAM AND DAMAGE HABITAT. IF NON-NATIVES ARE CHOSEN, BE SURE THAT THEY WILL NOT DAMAGE DOWNSTREAM HABITAT.

CONSTRUCTION NOTES:

2. BUILD AND VEGETATE RAIN GARDEN AS EARLY AS POSSIBLE TO ESTABLISH PLANTINGS BEFORE DIRECTING STORMWATER RUNOFF TO IT OR DIVERT STORMWATER AROUND FACILITY. PREFERABLY, THIS PERIOD WOULD LAST A MINIMUM OF 3 MONTHS OR PER LANDSCAPE ARCHITECT/DESIGNER GUIDELINES.
3. INFILTRATION AREAS (THE AREA OF THE RAIN GARDEN AS DEFINED BY THE TOP ELEVATION OF THE FACILITY) SHALL BE FENCED OFF FROM THE FIRST DAY OF EARTH MOVING UNTIL PROJECT COMPLETION TO PREVENT COMPACTION OF THE SUBGRADE, DIRT TRACKING ONTO ANY LAYER OF THE FACILITY AND STOCKPILING OF CONSTRUCTION MATERIALS THAT MAY CLOG THE SURFACE.
4. DURING EXCAVATION OF NATIVE SOILS TO THE BOTTOM OF THE FACILITY, RAINFALL MAY CAUSE FINES TO CLOG THE SURFACE OF THE FACILITY. IF THE NATIVE SOIL HAS BEEN EXPOSED TO RAINFALL, HAND RAKE THE SURFACE TO A DEPTH OF 3" TO RESTORE INFILTRATION CAPACITY.
5. CALL THE CIVIL ENGINEER, [ENTER NAME HERE] AT [ENTER PHONE NUMBER HERE] 24 HOURS IN ADVANCE OF CONSTRUCTING THIS FACILITY SO CONSTRUCTION OBSERVATION MAY BE PERFORMED TO IDENTIFY VARIATIONS IN THE FIELD THAT MAY AFFECT DESIGN AND VERIFY PROPER CONSTRUCTION.
6. DURING AREA DRAIN INSTALLATION, DISTURB NATIVE SOILS AS LITTLE AS POSSIBLE.

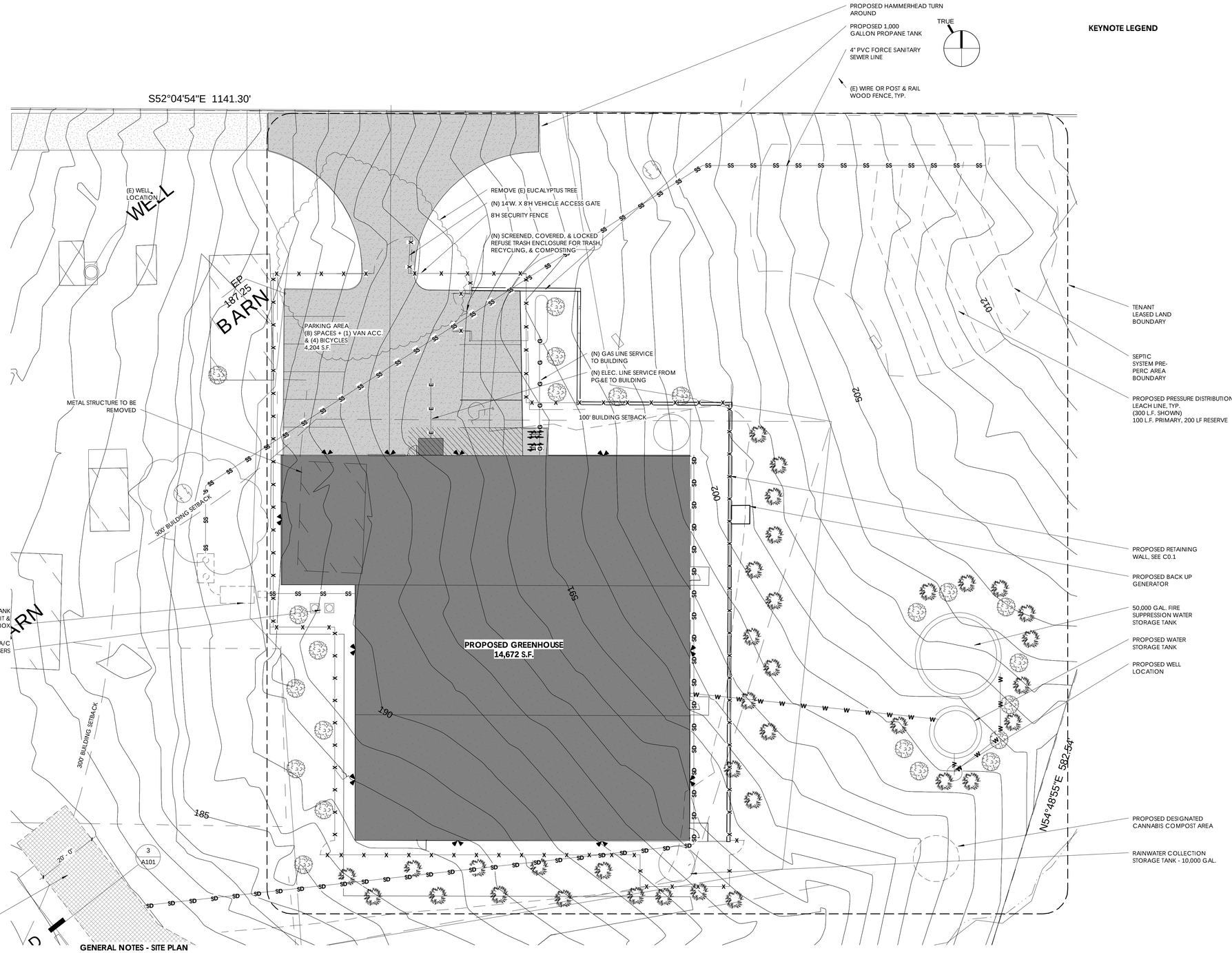
AMENDED PLANTING SOIL MIX SPECIFICATIONS

1. AMENDED PLANTING SOIL MIX SHALL HAVE THE FOLLOWING CHARACTERISTICS:
   a. 60% LOAMY SAND AND 40% COMPOST.
   b. ORGANIC CONTENT MATTER FROM 8-10% BY WEIGHT
   c. CATION EXCHANGE CAPACITY (CEC) GREATER THAN OR EQUAL TO 5 MILLIEQUIVALENTS/100 GRAMS OF DRY SOIL
   d. 2-5% MINERAL FINES CONTENT
   e.

US STANDARD SIEVE SIZE	PERCENT PASSING
3"	100
#4	95-100
#10	75-90
#40	25-40
#100	4-10
#200	2-5

   f. MINIMUM LONG-TERM HYDRAULIC CONDUCTIVITY OF 1 INCH/HOUR PER ASTM D2434 AT 85% COMPACTION PER ASTM D 1557.
   g. MAXIMUM IMMEDIATE HYDRAULIC CONDUCTIVITY OF 12 INCHES/HOUR.
2. AMENDED PLANTING SOIL MIX MAY BE CREATED BY TESTING ON-SITE NATIVE SOILS AND MIXING MATERIALS FROM OFF-SITE AS NEEDED TO ACHIEVE THE CHARACTERISTICS DESCRIBED IN NOTE 1 ABOVE.
3. AMENDED PLANTING SOIL MIX SHOULD BE UNIFORMLY MIXED WITH A SOIL MIXER.
4. PLACEMENT OF AMENDED PLANTING SOIL MIX SHALL OCCUR PER THE FOLLOWING GUIDELINES:
   a. PLACE SOIL IN 12" LIFTS, KEEPING MACHINERY OUTSIDE OF INFILTRATION AREA.
   b. DO NOT PLACE SOILS IF SATURATED.
   c. COMPACT EACH LIFT WITH WATER OR BOOT PACKING UNTIL JUST SATURATED TO 85% COMPACTION. DO NOT COMPACT WITH HEAVY MACHINERY OR VIBRATORY COMPACTION.

3 BIOSWALE DETAIL (A101)
NOT TO SCALE



KEYNOTE LEGEND

GENERAL NOTES - SITE PLAN

1. PROJECT LATITUDE: N. 38.260998, LONGITUDE: W. -122.745313
2. ALL SITE WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE "SONOMA COUNTY" STORMWATER POLLUTION PREVENTION PROGRAM," MINIMUM EROSION/ SEDIMENT CONTROL MEASURES FOR SMALL CONSTRUCITON PROJECTS.
2. ALL WORK SHALL COMPLY WITH THE CURRENT STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS AND THE WORK WILL SATISFY FAIRFAX TOWN CODE SECTION 8.32 AND 17.072.090 REQUIREMENTS.
3. DRAWINGS ARE PREPARED FROM INFORMATION MADE AVAILABLE BY THE OWNER AND ARE NOT A GUARANTEE OF EXISTING OR CONCEALED CONDITIONS. TOPOGRAPHIC AND REFERENCE LOCATIONS ARE BASED ON SITE SURVEY DATED "DATE OF SURVEY" PREPARED BY SURVEYOR LISTED ON SHEET A000 - PROJECT DIRECTORY
4. FINISHED FLOOR ELEVATIONS INDICATED ARE FOR BUILDING(S) ONLY. REFER TO CIVIL ENGINEERING DRAWINGS FOR ELEVATIONS RELATIVE TO THE REST OF THE SITE AND FOR SITE FEATURES NOT OTHERWISE INDICATED.
5. EXTERIOR CONCRETE FLATWORK: MAXIMUM SLOPE OF 1:20, U.NO.; EXTERIOR DOOR LANDINGS SHALL SLOPE 1/4" PER FOOT MAXIMUM FOR DRAINAGE. CONCRETE SHALL SLOPE MINIMUM 1/8" PER FOOT AWAY FROM BUILDINGS. CONCRETE WALKS PER DETAIL 4/ A501
6. NEATLY CUT AND REMOVE SURFACES AND FINISHES AS REQUIRED OR TO A NATURAL POINT OF DIVISION TO ENABLE INSTALLATION OF UTILITIES OR OTHER CONCEALED WORK, WHETHER SPECIFICALLY SHOWN OR INFERRED FOR SUPPORT OR RENOVATION.
7. EXCAVATIONS: BACKFILL AND COMPACT PROMPTLY AS WORK PROGRESSES. MINIMIZE OPEN TRENCHES.
8. FINAL GRADE: RAKE SMOOTH TO ONE-TENTH FOOT TOLERANCE. ALLOW FOR TOPSOIL PLACEMENT, IRRIGATION SLEEVE PLACEMENT AND LANDSCAPE PLANTING.
9. UNDERGROUND WORK: ROUTE TO AVOID CONFLICT WITH INDICATED LANDSCAPING AND TREES.
10. TREE PROTECTION: PROTECT EXISTING TREES AND VEGETATION TO REMAIN BY FENCING TO THE DRIP LINE AND AS OTHERWISE REQUIRED BY THE OWNER'S ARBORIST. DO NOT TRIM OR MODIFY EXISTING TREES WITHOUT WRITTEN APPROVAL OF THE OWNER. IF EXISTING TREES CONFLICT WITH PROPOSED WORK, REQUEST INSTRUCTIONS IN WRITING.

- DATUM ELEVATIONS REFERENCE THE TOPOGRAPHICAL SURVEY (100'-0" = LEVEL 1 F.F.) FOR BUILDING HEIGHTS ABOVE GRADE REFER TO ELEVATIONS SHEETS A200-A203
- (E) SITE UTILITY LOCATIONS ARE TO REMAIN
- (E) LANDSCAPING TO REMAIN, INCLUDING TREES & VEGETATION
- (N) DRAINAGE AS NOTED IN THIS PLAN (A100)
- SITE GRADING: THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL (5% SLOPE) FOR MINIMUM DISTANCE OF 10' MEASURED PERPENDICULAR TO THE FACE OF THE WALL.
  IMPERVIOUS SURFACES WITHIN 10 FT. OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2% AWAY FROM THE BUILDING.

1 PROPOSED SITE PLAN - ENLARGED
1/16" = 1'-0"

0' 8' 16' 32' 64'

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LICENSED ARCHITECT
RYAN D. HENDERSON
C-30242
REN. 30 APR 2019
STATE OF CALIFORNIA

Revision/ Issue Schedule

No.	Description	Date

TRV CORP

GREENHOUSE PROJECT

6095 BODEGA AVENUE PETALUMA, CA 94952

Revision	
Start Date	05.01.18
Drawn by	MTB
Checked by	Checker
Scale	As indicated
Print Date	2/6/2020 10:49:40 AM

Attachment 9. Site Plan - Enlarged

A101