

II. Suggested Notice of Intent (NOI) Form

1. General facility information. Please provide the following information about the facility.

a) Name of facility:	Mailing Address for the Facility:	
b) Location Address of the Facility (if different from mailing address):	Facility Location	Type of Business:
	longitude: _____ latitude: _____	Facility SIC codes:
c) Name of facility owner: _____ Owner's email: _____ Owner's Tel #: _____ Owner's Fax #: _____ Address of owner (if different from facility address) Owner is (check one): 1. Federal ____ 2. State ____ 3. Tribal ____ 4. Private ____ 4. Other ____ (Describe)		
Legal name of Operator, if not owner: _____ Operator Contact Name: _____ Operator Tel Number: _____ Fax Number: _____ Operator's email: _____ Operator Address (if different from owner)		
d) Attach a topographic map indicating the location of the facility and the outfall(s) to the receiving water. Map attached? ____		
e) Check Yes or No for the following: 1. Has a prior NPDES permit been granted for the discharge? Yes ____ No ____ If Yes, Permit Number: _____ 2. Is the discharge a "new discharge" as defined by 40 CFR Section 122.22? Yes ____ No ____ 3. Is the facility covered by an individual NPDES permit? Yes ____ No ____ If Yes, Permit Number ____ 4. Is there a pending application on file with EPA for this discharge? Yes ____ No ____ If Yes, date of submittal: _____		

2. Discharge information. Please provide information about the discharge, (attaching additional sheets as needed)

a) Name of receiving water into which discharge will occur: _____
State Water Quality Classification: _____ Freshwater: _____ Marine Water: _____

- b) Describe the discharge activities for which the owner/applicant is seeking coverage:
1. Construction dewatering of groundwater intrusion and/or storm water accumulation. - Temp. dewatering for UST excavation
 2. Short-term or long-term dewatering of foundation sumps.
 3. Other.

c) Number of outfalls _____

For each outfall:

d) Estimate the maximum daily and average monthly flow of the discharge (in gallons per day – GPD). Max Daily Flow _____ GPD
Average Monthly Flow _____ GPD

e) What is the maximum and minimum monthly pH of the discharge (in s.u.)? Max pH _____ Min pH _____

f) Identify the source of the discharge (i.e. potable water, surface water, or groundwater). If groundwater, the facility shall submit effluent test results, as required in Section 4.4.5 of the General Permit. Groundwater & surface water from UST excavation hole.

g) What treatment does the wastewater receive prior to discharge?

h) Is the discharge continuous? Yes _____ No _____ If no, is the discharge periodic (P) (occurs regularly, i.e., monthly or seasonally, but is not continuous all year) or intermittent (I) (occurs sometimes but not regularly) or both (B) _____
If (P), number of days or months per year of the discharge _____ and the specific months of discharge _____;
If (I), number of days/year there is a discharge _____
Is the discharge temporary? Yes _____ No _____
If yes, approximate start date of dewatering _____ approximate end date of dewatering _____

i) Latitude and longitude of each discharge within 100 feet (See http://www.epa.gov/tri/report/siting_tool): Outfall 1: long. _____ lat. _____;
Outfall 2: long. _____ lat. _____; Outfall 3: long. _____ lat. _____.

j) If the source of the discharge is potable water, please provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water and attach any calculation sheets used to support stream flow and dilution calculations _____ cfs
(See Appendix VII for equations and additional information)

MASSACHUSETTS FACILITIES: See Section 3.4 and Appendix 1 of the General Permit for more information on Areas of Critical Environmental Concern (ACEC):

- k) Does the discharge occur in an ACEC? Yes _____ No _____
If yes, provide the name of the ACEC: _____

3. Contaminant Information

- a) Are any pH neutralization and/or dechlorination chemicals used in the discharge? If so, include the chemical name and manufacturer; maximum and average daily quantity used as well as the maximum and average daily expected concentrations (mg/l) in the discharge, and the vendor's reported aquatic toxicity (NOAEL and/or LC₅₀ in percent for aquatic organism(s)). None
- b) Please report any known remediation activities or water-quality issues in the vicinity of the discharge. None

4. Determination of Endangered Species Act Eligibility: Provide documentation of ESA eligibility as required at Part 3.4 and Appendices III and IV. In addition, respond to the following questions.

- a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes ___ No ___
- b) Has any consultation with the federal services been completed? Yes ___ No ___
- c) Is consultation underway? Yes ___ No ___
- d) What were the results of the consultation with the U.S. Fish and Wildlife Service and/or NOAA Fisheries Service (check one): a “no jeopardy” opinion _____ or written concurrence _____ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat.
- e) Which of the five eligibility criteria listed in Appendix 2, Section B (A,B,C,D,or E) have you met? _____
- f) Please attach a copy of the most current federal listing of endangered and threatened species, found at USF&W website.

5. Documentation of National Historic Preservation Act requirements: Please respond to the following questions:

- a) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility site or in proximity to the discharge? Yes _____ No _____
- b) Have any State or Tribal historic preservation officers been consulted in this determination? Yes _____ or No _____ If yes, attach the results of the consultation(s).
- c) Which of the three National Historic Preservation Act requirements listed in Appendix 3, Section C (1,2 or 3) have you met? _____

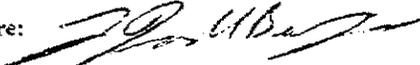
6. Supplemental Information: Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit

7. Signature Requirements: The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22 (see below) including the following certification:

I certify under penalty of law that (1) no biocides or other chemical additives except for those used for pH adjustment and/or dechlorination are used in the dewatering system; (2) the discharge consists solely of dewatering and authorized pH adjustment and/or

dechlorination chemicals; (3) the discharge does not come in contact with any raw materials, intermediate product, water product or finished product; (4) if the discharge of dewatering subsequently mixes with other permitted wastewater (i.e. stormwater) prior to discharging to the receiving water, any monitoring provided under this permit will be only for dewatering discharge; (5) where applicable, the facility has complied with the requirements of this permit specific to the Endangered Species Act and National Historic Preservation Act; and (6) this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Facility Name:	Glenclyff Home, NH Department of Health & Human Services
Operator signature:	
Title:	Administrator
Date:	6/12/12

Federal regulations require this application to be signed as follows:

1. For a corporation, by a principal executive officer of at least the level of vice president;
2. For partnership or sole proprietorship, by a general partner or the proprietor, respectively, or,
3. For a municipality, State, Federal or other public facility, by either a principal executive officer or ranking elected official.



STATE OF NEW HAMPSHIRE

DEPARTMENT OF ADMINISTRATIVE SERVICES

BUREAU OF PUBLIC WORKS



DEMOLITION OF (3) AST'S & INSTALL 5,000 GALLON DIESEL UST

PROJECT NUMBER 80655, CONTRACT B

GLENCLIFF HOME

GLENCLIFF, NEW HAMPSHIRE 03238

DEPARTMENT OF ADMINISTRATIVE SERVICES

Project
Site

LOCUS MAP	DRAWING LIST
	<ul style="list-style-type: none"> T-1 COVER SHEET C0.1 CIVIL NOTES, LEGEND & PROJECT AREA PLAN C0.2 CONCRETE NOTES C1.1 CIVIL SITE AND GRADING PLAN C1.2 EROSION CONTROL PLAN C2.1 DIESEL FUEL TANK DETAILS C2.2 EROSION CONTROL DETAILS M0.1 MECHANICAL LEGEND & GENERAL NOTES M1.1 BOILER BUILDING EXISTING AST REMOVAL PLAN M2.1 NEW DIESEL FUEL OIL TANK PART PLAN M2.2 DIESEL FUEL TANK PIPING DETAILS M2.3 DIESEL FUEL TANK PIPING SCHEMATIC & SCHEDULES E1.1 ELECTRICAL PART PLAN & GENERAL NOTES

			APPROVED _____ DATE: _____	APPROVED _____ DATE: _____	STATE OF NEW HAMPSHIRE DEPARTMENT OF ADMINISTRATIVE SERVICES BUREAU OF PUBLIC WORKS DESIGN & CONSTRUCTION JOHN D. MORTON BUILDING 7 HAZEN DRIVE BOX 483 ROOM 250 CONCORD, NEW HAMPSHIRE 03302-0483 (603) 271-3516 FAX(603) 271-3515	REVISIONS		DEMOLITION OF (3) AST'S & INSTALL 5,000 GALLON DIESEL UST GLENCLIFF, NH DEPARTMENT OF ADMINISTRATIVE SERVICES COVER SHEET	
			RECOMMENDED _____ DATE: _____	RECOMMENDED _____ DATE: _____		DATE	DESCRIPTION		BY
			APPROVED _____ DATE: _____	APPROVED _____ DATE: _____		6/21/2012	RELEASED FOR CONSTRUCTION		R/F
NH STATE FIRE MARSHAL						ENGINEER/ARCHITECT: _____ DESIGNED BY: _____ APPROVED BY: _____ CHECKED BY: _____	DRAWN BY: _____ SCALE: NONE DATE: JUNE 21, 2012	PROJECT No. 80655 CONTRACT B T-1 SHEET 1 OF 13	

CIVIL GENERAL NOTES:

A. EXISTING INFORMATION

LANDOWNER: STATE OF NEW HAMPSHIRE

- TOPOGRAPHIC SURVEY BASED ON 2012 SURVEY DATA BY DUBOIS & KING, INC.
- UTILITIES BASED ON AS-BUILT DRAWINGS PROVIDED BY THE OWNER AND UTILITY LOCATING PERFORMED BY UTILITY LOCATING SERVICES OF SUNAPEE, NH.
- THE LOCATION AND EXTENT OF UNDERGROUND UTILITIES SHOWN ON THE SITE DRAWINGS ARE BASED ON RECORDS AND PLANS MADE AVAILABLE BY THE OWNER AND UTILITY COMPANIES. DUBOIS & KING, INC INCLUDES INFORMATION WITHOUT WARRANTING ITS ACCURACY IN ANY WAY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE, AND ELEVATION OF ALL UTILITIES PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION, AND APPROPRIATE REMEDIAL ACTION SHALL BE DETERMINED AND AGREED UPON BY THE ENGINEER BEFORE PROCEEDING WITH WORK.
- WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY IN WRITING FOR CLARIFICATIONS.
- THE CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS OF THE SITE AND SURROUNDINGS PRIOR TO THE START OF ANY CONSTRUCTION.
- SITE WORK SHALL BE CONSTRUCTED FROM A COMPLETE SET OF PLANS. THE ENGINEER IS TO BE NOTIFIED OF ANY CONFLICT WITHIN THIS PLAN SET.
- TO LIMIT INADVERTENT DAMAGE TO AND UNAUTHORIZED REMOVAL OF TREES ADJACENT TO THE WORK AREA, CONTRACTOR SHALL COORDINATE WITH OWNER AND OBTAIN APPROVAL PRIOR TO ANY CUTTING OR TRIMMING OF TREES WITHIN AND ADJACENT TO THE WORK AREA.
- IF EASEMENTS, RIGHTS OF WAY, AND RELATED PERMISSION FROM LANDOWNERS HAVE BEEN OBTAINED BY OWNER. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL REVIEW CONDITIONS OF ENTRY AND ABIDE BY THEM.
- CONTRACTOR SHALL INSTALL CONSTRUCTION LIMITS FENCE PRIOR TO START OF CONSTRUCTION, AND THERE SHALL BE NO DISTURBANCE BEYOND THE LIMITS OF FENCE.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING DIG SAFE, AT 1-888-DIG-SAFE, AT LEAST 72 HOURS BEFORE DIGGING.
- CONTRACTOR SHALL INSTALL AND MAINTAIN TRAFFIC AND PEDESTRIAN CONTROL DEVICES AS NECESSARY AND IN A MANNER CONSISTENT WITH THE MOST CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. MAINTENANCE OF CONTROLS IS REQUIRED 24 HOURS PER DAY, 7 DAYS PER WEEK.

B. CODES & PERMITS

- THE CONTRACTOR IS RESPONSIBLE FOR PERFORMING ALL WORK IN STRICT ACCORDANCE WITH ALL MUNICIPAL, STATE, & FEDERAL ORDINANCES, CODES, RULES, AND LAWS HAVING JURISDICTION. THE CONTRACTOR SHALL NOT PROCEED WITH ANY WORK WHICH MAY NOT COMPLY COMPLETELY WITH MUNICIPAL, STATE, & FEDERAL ORDINANCES, CODES, RULES, AND LAWS HAVING JURISDICTION. THESE INCLUDE, BUT ARE NOT LIMITED TO:
 - THE AMERICAN WITH DISABILITIES ACT
 - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
 - NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
 - OTHER STATE OR LOCAL PERMITS

C. SEQUENCING OF WORK

- COORDINATE SCHEDULE WITH OWNER. SEE SPECIFICATION SUMMARY 01100, 1.4.

D. TESTING

- COMPACTION TESTING IS REQUIRED ON BACKFILL AREAS. COMPACTION SHALL BE TO 95% MODIFIED PROCTOR (ASTM D-1557). TESTING SHALL BE PERFORMED BY A QUALIFIED TESTING COMPANY APPROVED BY THE OWNER OR ENGINEER.
- FIELD DENSITY TEST SHALL BE PERFORMED WITH THE FOLLOWING AVERAGE FREQUENCY:
 - UNDER STRUCTURES - ONE TEST FOR EVERY 400 SQUARE FOOT AREA OF EACH LAYER OF COMPACTED FILL.
 - TRENCHES - ONE TEST FOR EACH FOOT OF BACKFILL AT INTERVALS OF APPROXIMATELY 200 FEET ALONG THE TRENCH.
 - OUTSIDE STRUCTURE - ONE TEST FOR EACH FOOT OF BACKFILL AT INTERVALS OF APPROXIMATELY 50 FEET AROUND STRUCTURE.

E. GRADING

- FINISH GRADES AROUND BUILDINGS SHALL BE 6 INCHES LOWER THAN FINISH FLOOR ELEVATIONS, UNLESS OTHERWISE NOTED.
- FINISH GRADES SHALL BE SLOPED 2% AWAY FROM BUILDINGS FOR A DISTANCE OF 10 FEET FROM THE EXTERIOR WALL OF SUCH BUILDING, UNLESS OTHERWISE NOTED.

F. EROSION CONTROL

- CONTRACTOR SHALL CONSTRUCT TEMPORARY AND PERMANENT EROSION AND SEDIMENTATION CONTROL FACILITIES PRIOR TO THE COMMENCEMENT OF EARTHWORK OPERATIONS.
- THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN EROSION AND SEDIMENTATION CONTROL DEVICES THROUGHOUT THE PROJECT SITE FOR THE DURATION OF THE CONSTRUCTION. THE CONTRACTOR SHALL (DAILY OR AS REQUIRED BASIS) INSPECT AND RECORD FINDINGS OF ALL EROSION AND SEDIMENTATION CONTROL DEVICES TO ENSURE THAT ALL ITEMS ARE IN STABLE CONDITION. IN THE EVENT THAT SAID ITEMS ARE DETERMINED TO BE IN UNSATISFACTORY CONDITION, THE CONTRACTOR SHALL RECORD THE UNSATISFACTORY ISSUE, THE DATE OF THE UNSATISFACTORY FINDING, THE APPROPRIATE CORRECTIVE MEASURE AND THE DATE THE CORRECTIVE MEASURE WAS COMPLETED.

- ALL DISTURBED AREAS SHALL NOT BE LEFT BARE FOR MORE THAN 30 DAYS, SHALL BE STABILIZED IN A MANNER TO MITIGATE EROSION OR SEDIMENTATION FROM EXITING THE LIMIT OF WORK AND SHALL BE RESTORED IN-KIND UPON COMPLETION OF THE PROJECT. THE MAXIMUM AREA ALLOWED TO BE DISTURBED AND LEFT UNSTABILIZED IS TWO ACRES PER DRAINAGE AREA.
- ALL SLOPES GREATER THAN 1V:3H SHALL BE PROTECTED FROM EROSION WITH APPROPRIATE SLOPE STABILIZATION CONTROL MEASURES PRIOR TO LOAMING, SEEDING AND MULCHING WITHIN 72 HOURS OF COMPLETION. CONTRACTOR SHALL MAINTAIN EROSION CONTROL PROTECTION UNTIL VEGETATION GROWTH HAS BEEN ESTABLISHED. ALL SLOPE STABILIZATION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION AND NEW HAMPSHIRE BEST MANAGEMENT PRACTICES.
- ALL SWALES AND DITCHES WITH SLOPES EXCEEDING 5% SLOPE SHALL BE PROTECTED FROM EROSION WITH MATTING. ALL MATTING SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION. ALL SWALES AND DITCHES SHALL BE PROPERLY STABILIZED PRIOR TO DIRECTING FLOW TO THEM.
- THE CONTRACTOR SHALL NOT PLACE PERMANENT PLANTING AND SEEDING PRIOR TO MAY 1st AND AFTER SEPTEMBER 1st. TEMPORARY SEEDING SUCH AS WINTER RYE MAY BE USED OUTSIDE OF THIS PERIOD.
- ALL WORK MUST BE DONE IN A MANNER WHICH MINIMIZES THE POTENTIAL FOR THE DISCHARGE OF SEDIMENT-LADEN WATER. CONTRACTOR IS RESPONSIBLE FOR DIVERTING, PUMPING, OR OTHERWISE CONTROLLING WATER AS NECESSARY.
- ALL EXISTING STORM DRAINAGE INLETS WITHIN THE WORK AREA OR THAT MAY BE AFFECTED BY THE WORK SHALL BE PROTECTED BY CATCH BASIN FILTER BASKETS, OR OTHER BMP TO PREVENT ENTRY OF SEDIMENT FROM RUNOFF WATERS INTO THE STORM DRAIN SYSTEM.

G. UTILITIES

- ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE UNLESS OTHERWISE NOTED ON THE DEMOLITION PLAN. AT NO ADDITIONAL COST TO THE OWNER, THE CONTRACTOR SHALL REPAIR OR COORDINATE WITH THE RESPECTIVE UTILITY FOR DAMAGE TO UTILITIES.
- REFER TO SPECIFICATIONS SECTION 01300.

H. COMPACTION & FILL

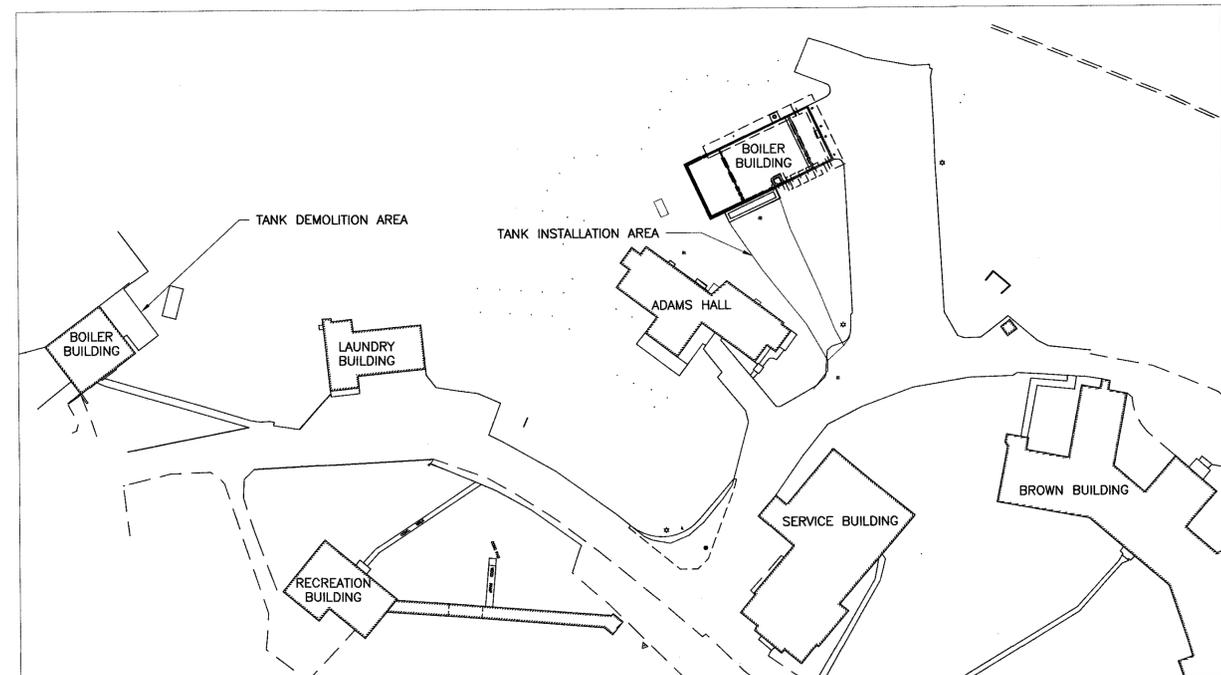
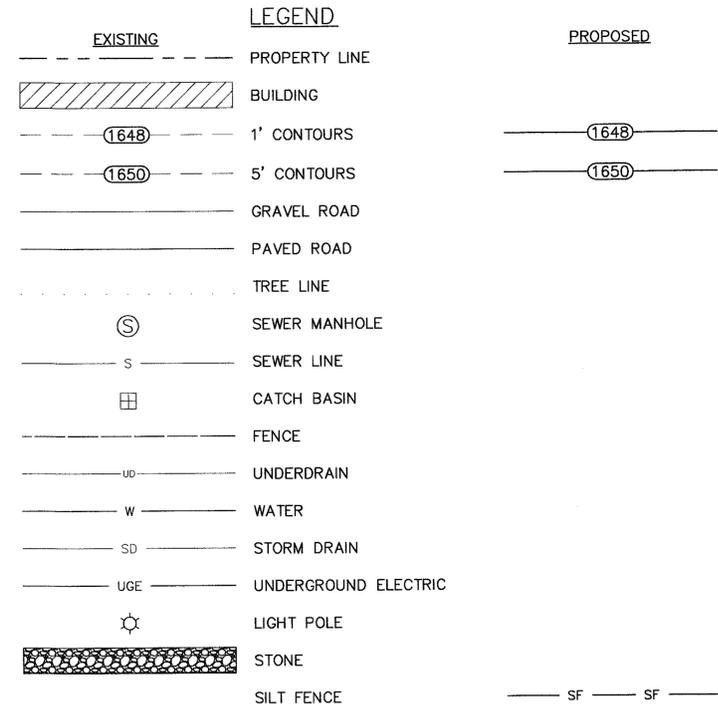
- STRUCTURAL FILL FOR USE UNDER BUILDINGS AND PAVEMENTS SHOULD CONSIST OF DURABLE SOILS CONFORMING TO NHDOT SPECIFICATION ITEM NO. 304.3 CRUSHED GRANULAR BACKFILL GRAVEL.
- FILL MATERIALS SHOULD BE BROUGHT TO THE OPTIMUM MOISTURE CONTENT, PLACED IN THIN LIFTS (NOT EXCEEDING 8"), TO 95% MODIFIED PROCTOR (ASTM D-1557).
- SPECIAL CARE SHALL BE TAKEN WHEN INSTALLING BACKFILL ALONG THE BOTTOM SIDES OF THE TANK TO ENSURE THAT THE TANK IS NOT DAMAGED AND IS FULLY AND EVENLY SUPPORTED AROUND THE BOTTOM QUADRANT.
- THE BACKFILL MATERIAL SHALL BE CAREFULLY PLACED AND CONSOLIDATED ALONG THE BOTTOM, UNDER THE TANK SHELL, BY MANUALLY SHOVELING AND TAMPING. LIGHT HAND OPERATED COMPACTION EQUIPMENT IS RECOMMENDED.

I. SITE REVIEW NOTES

- THE CONTRACTOR SHALL PROVIDE 10 DAYS NOTICE TO THE ENGINEER OF RECORD FOR A SITE REVIEW OF THE TANK AND BURIED PIPE INSTALLATIONS PRIOR TO NOTIFYING NHDES (ENV-WM 1401.28.Y). UPON COMPLETION AND ACCEPTANCE OF THE ENGINEER OF RECORD SITE REVIEW, NHDES (ENV-WM 1401.28.Y) WILL BE NOTIFIED TO SCHEDULE THEIR SITE REVIEW.
- THE CONTRACTOR SHALL NOT BACKFILL THE TANK UNTIL THE ENGINEER OF RECORD AND THE NHDES HAVE REVIEWED AND ACCEPTED THE INSTALLATION.
- THE CONTRACTOR SHALL NOT BACKFILL THE BURIED PIPE TRENCHES UNTIL THE ENGINEER OF RECORD AND THE NHDES HAVE REVIEWED AND ACCEPTED THE INSTALLATION.
- THE CONTRACTOR SHALL PROTECT THE OPEN TANK AREA AND OPEN PIPE TRENCHES FROM WATER ENTRANCE AND/OR DAMAGE UNTIL THE SYSTEMS ARE REVIEWED AND ACCEPTED BY THE ENGINEER OF RECORD AND NHDES. THE CONTRACTOR SHALL DEWATER AS NECESSARY PRIOR TO BACKFILLING THE WORK UP TO A MAXIMUM OF 90 DAYS FROM THE ENGINEER OF RECORD SITE REVIEW AND ACCEPTANCE.
- THE CONTRACTOR SHALL MAKE THE REQUIRED REVISIONS PER THE NHDES SITE REVIEW AND REPORT AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL PROVIDE 10 DAYS NOTICE TO THE ENGINEER OF RECORD FOR A FINAL SITE REVIEW OF THE INSTALLATIONS.

TYPICAL ABBREVIATIONS:

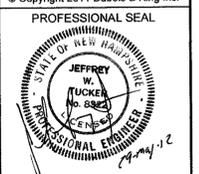
AASHTO = AMERICAN ASSOCIATION OF STATE HIGHWAY & TRANSPORTATION OFFICIALS
 AC = ACRE(S), OR AIR CONDITIONING
 ACP = ASBESTOS CEMENT PIPE
 AWWA = AMERICAN WATER WORKS ASSOCIATION
 B = BORING
 BIT = BITUMINOUS
 BM = BENCH MARK
 BMP = BEST MANAGEMENT PRACTICE
 CB = CATCH BASIN
 CF = CUBIC FEET, OR CONSTRUCTION FENCE
 CFS = CUBIC FEET PER SECOND
 CI = CAST IRON
 CL = CLASS, OR CENTER LINE
 CMP = CORRUGATED METAL PIPE
 CU = COPPER
 CY = CUBIC YARD
 DES = DEPARTMENT OF ENVIRONMENTAL SERVICES
 DI = DUCTILE IRON
 DMH = DRAIN MANHOLE
 DWL = DOWEL
 ELEV = ELEVATION
 EW = EACH WAY
 EX = EXISTING
 FE = FLANGED END
 FFE = FINISHED FLOOR ELEVATION
 FOB = FACE OF BUILDING
 FT = FOOT, FEET
 G = GAS
 GCMP = GALVANIZED CORRUGATED METAL PIPE
 GPD = GALLONS PER DAY
 GPM = GALLONS PER MINUTE
 GV = GATE VALVE
 HC = HANDICAPPED
 HDPE = HIGH DENSITY POLYETHYLENE
 HP = HORSE POWER
 HVAC = HEATING, VENTILATION, AIR CONDITIONING
 HYD = HYDRANT
 ID = INSIDE DIAMETER
 IN = INCH
 INV = INVERT
 LF = LINEAR FEET, LINEAL FEET
 MAX = MAXIMUM
 MIN = MINIMUM
 MJ = MECHANICAL JOINT
 MSE = MECHANICALLY STABILIZED EARTH
 MUTCD = MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES
 N/F = NOW OR FORMERLY
 NTS = NOT TO SCALE
 OC = ON CENTER
 OD = OUTSIDE DIAMETER
 OHT&P = OVERHEAD TELEPHONE & POWER
 PCA = PORTLAND CEMENT PIPE
 PCC = PORTLAND CEMENT CONCRETE
 PL = PROPERTY LINE
 PSI = POUNDS PER SQUARE INCH
 PVC = POLYVINYLCHLORIDE
 RD = ROOF DRAIN
 ROW = RIGHT-OF-WAY
 RPC = REINFORCED CONCRETE PIPE
 S = SEWER
 SCH = SCHEDULE
 SDR = STANDARD DIMENSION RATIO
 SF = SQUARE FEET, OR SILT FENCE
 SD = STORM DRAIN
 SMH = SEWER MANHOLE
 SRW = SEGMENTAL RETAINING WALL
 SY = SQUARE YARDS
 T = TELEPHONE
 TBM = TEMPORARY BENCHMARK
 TP = TEST PIT, OR TURNING POINT
 TYP = TYPICAL
 UGT&P = UNDERGROUND TELEPHONE & POWER
 UP = UTILITY POLE
 VCT = VITRIFIED CLAY TILE
 W = WATER
 WIR = WATER IRRIGATION
 WSO = WATER SHUT OFF



PROJECT AREA PLAN



ENGINEERING • PLANNING • MANAGEMENT • DEVELOPMENT
 34 BLAIR PARK RD. SUITE 10
 WILLISTON, VT 05495
 TEL: (802) 878-7661
 FAX: (802) 878-2907
 www.dubois-king.com
 RANDOLPH, VT
 SPRINGFIELD, VT
 BEDFORD, NH
 © Copyright 2011 Dubois & King Inc.



NO.	DATE	DESCRIPTION	BY	CHKD
1	06-21-2012	RELEASED FOR CONSTRUCTION	RF	

DEPARTMENT OF ADMINISTRATIVE SERVICES
 BUREAU OF PUBLIC WORKS DESIGN & CONSTRUCTION
 JOHN O MORTON BUILDING ROOM 250
 7 HAZEN DRIVE, POB 483
 CONCORD NH 03302-0483
 PHONE: 603.271.1639
 FAX: 603.271.3515

NH DHHS
 GLENCLIFF HOME
 393 HIGH STREET
 GLENCLIFF NH 03238

DEMOLITION OF (3) AST'S & INSTALL 5,000 GALLON DIESEL UST
 PROJECT #80655
 CONTRACT B

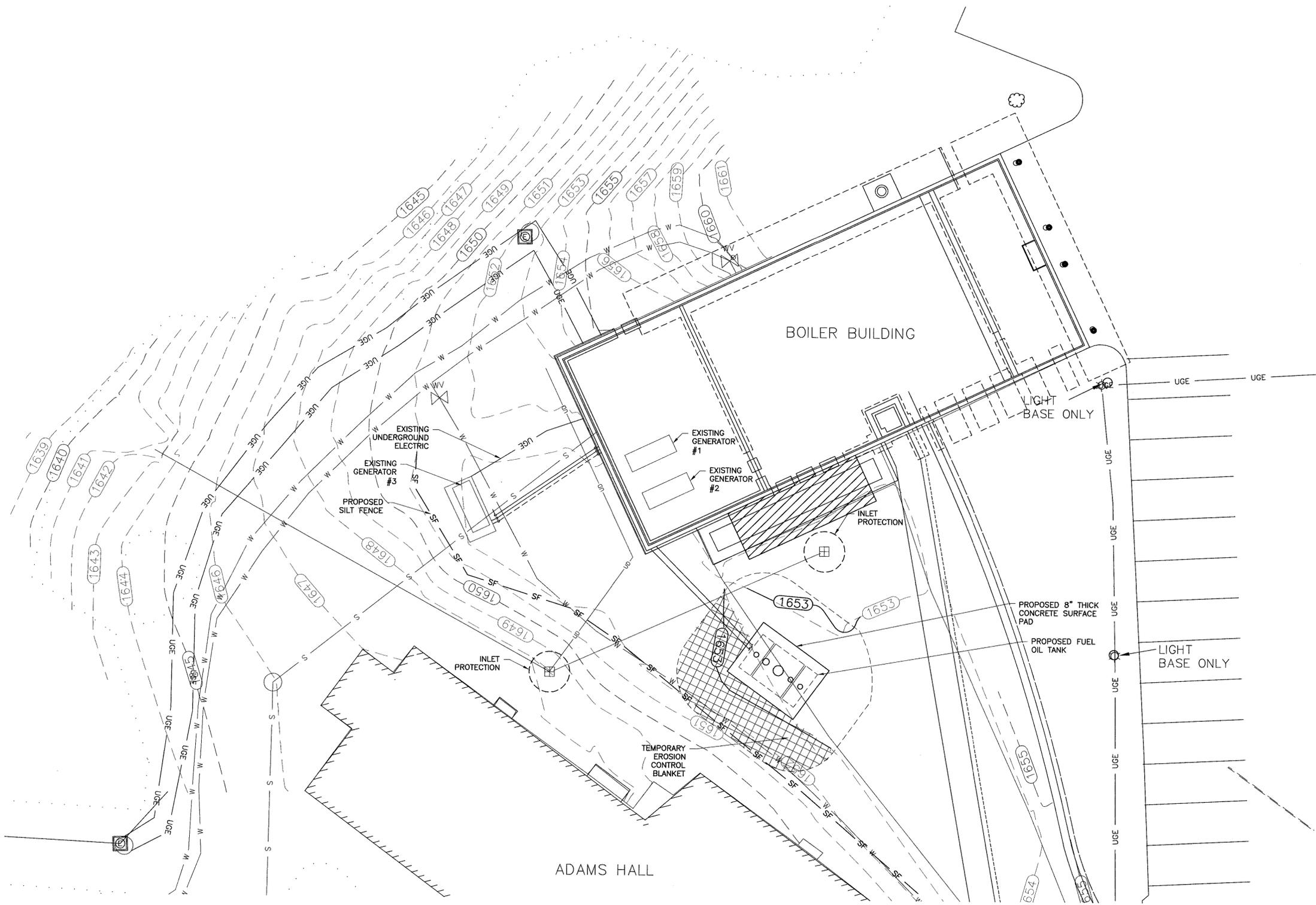
SHEET TITLE
 FUEL TANK LOCATION

CIVIL NOTES, LEGEND AND PROJECT AREA PLAN

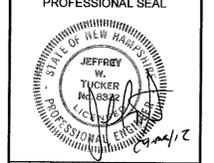
DRAWN BY	DATE
JWP	06-21-2012
CHECKED BY	D&K PROJECT #
LDC	521560
PROJ. ENG.	D&K ARCHIVE #
LDC	521560

SHEET NUMBER

C0.1



DuBois & King inc.
 ENGINEERING • PLANNING •
 MANAGEMENT • DEVELOPMENT
 34 BLAIR PARK RD. SUITE 10
 WILLISTON, VT 05495
 TEL: (802) 878-7661
 FAX: (802) 878-2907
 www.dubois-king.com
 RANDOLPH, VT
 SPRINGFIELD, VT
 BEDFORD, NH
 © Copyright 2011 Dubois & King Inc.



NO.	DATE	RELEASED FOR CONSTRUCTION	DESCRIPTION	BY	CKD
1	06-21-2012				

DEPARTMENT OF ADMINISTRATIVE SERVICES
 BUREAU OF PUBLIC WORKS DESIGN & CONSTRUCTION
 JOHN O MORTON BUILDING ROOM 250
 7 HAZEN DRIVE, POB 483
 CONCORD NH 03302-0483
 PHONE: 603.271.1639
 FAX: 603.271.3515

NH DHHS
 GLENCLIFF HOME
 393 HIGH STREET
 GLENCLIFF NH 03238

DEMOLITION OF (3)
 AST's & INSTALL 5,000
 GALLON DIESEL UST

PROJECT #80655
 CONTRACT B

SHEET TITLE
 FUEL TANK LOCATION
 EROSION CONTROL PLAN

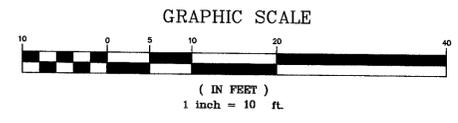
DRAWN BY	JWP	DATE	06-21-2012
CHECKED BY	LDC	D&K PROJECT #	521580
PROJ. ENG.	LDC	D&K ARCHIVE #	521580

SHEET NUMBER

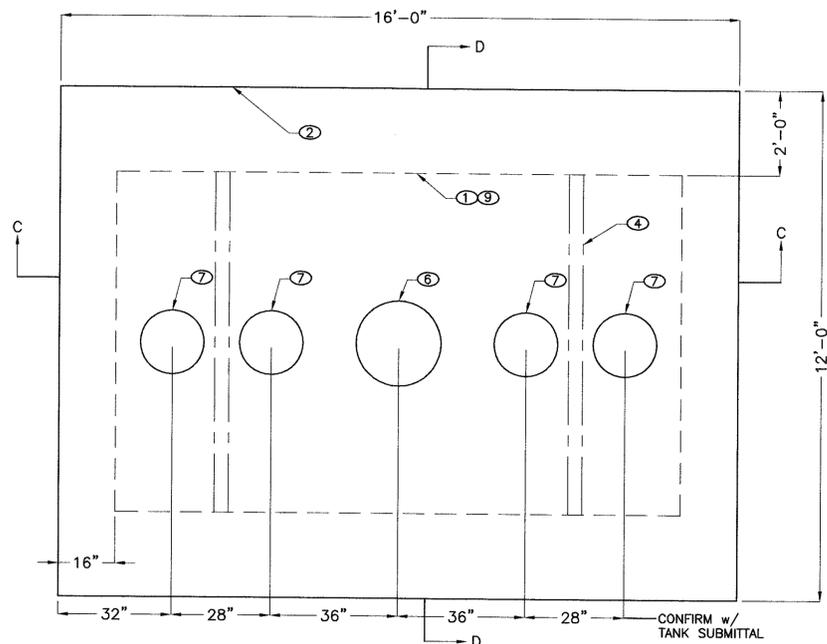
C1.2

SHEET 5 OF 13

NOTES:
 1. EXCAVATED MATERIAL SHALL BE STOCKPILED IN ADJACENT ON-SITE GRAVEL PIT LOCATED APPROXIMATELY 0.3 MILES FROM TANK INSTALLATION LOCATION. COORDINATE MATERIAL STOCKPILING WITH NHDHHS GLENCLIFF HOME. EXCESS MATERIAL NOT UTILIZED FOR BACKFILL SHALL REMAIN THE PROPERTY OF NHDHHS GLENCLIFF HOME. STOCKPILE AND SOIL SHALL BE PROTECTED FROM EROSION IN ACCORDANCE WITH EROSION CONTROL NOTES ON SHEET CO.1 AND STOCKPILE AREA ISOLATION DETAIL ON SHEET C2.2. PROVIDE PROTECTIVE PLASTIC SHEET UNDER STOCKPILE TO PROTECT EXISTING GRAVEL PIT FROM SPOIL.



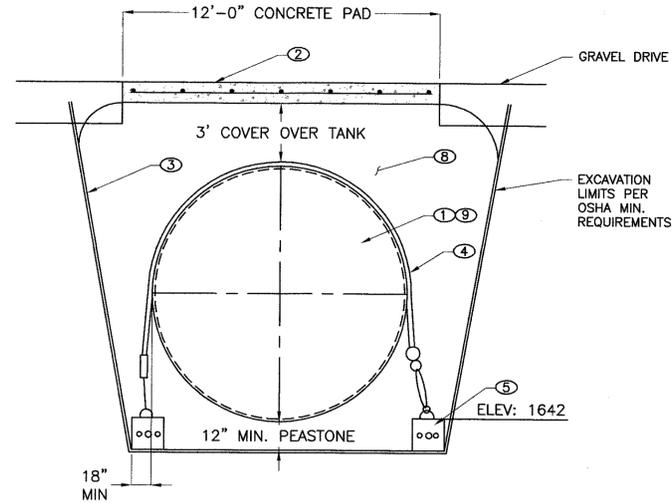
C:\Documents and Settings\jconger\Desktop\Glencliff\temp\521580-5803.dwg 5/30/2012 10:44 AM



FUEL TANK PLAN VIEW
NOT TO SCALE

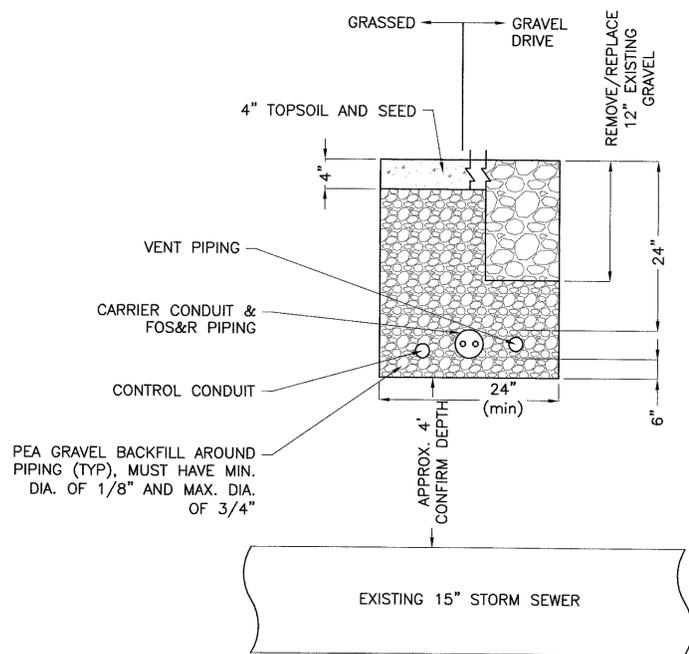
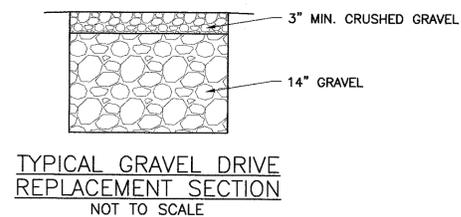
FUEL TANK NOTES:

- ① PROPOSED 5,000 GALLON (96"Ø x 13'-4") DOUBLE WALL UNDERGROUND DIESEL STORAGE TANK, (SEE MECHANICAL DRAWINGS).
- ② 8" 4,000 PSI CONCRETE PAD (H-20 LOADING) REINFORCED WITH #6 BARS @ 10" O/C EACH WAY CENTER DEPTH. MINIMUM 2 BARS BETWEEN MANHOLES
- ③ TYPAR GEOTEXTILES STYLE #3601 FILTER FABRIC.
- ④ (2) HOLD DOWN STRAPS (SEE MECHANICAL DRAWINGS).
- ⑤ CONCRETE DEADMAN, (SEE MECHANICAL DRAWINGS).
- ⑥ 36" DIAMETER MANHOLE AND COVER, (SEE MECHANICAL DRAWINGS).
- ⑦ 12" DIAMETER MANHOLE, (SEE MECHANICAL DRAWINGS).
- ⑧ PEA GRAVEL BACKFILL AROUND TANK 1/8" MIN. DIAMETER AND 3/4" MAX. DIAMETER.
- ⑨ CONFIRM ALL INSTALLATION DETAILS WITH TANK MANUFACTURER'S REQUIREMENTS.

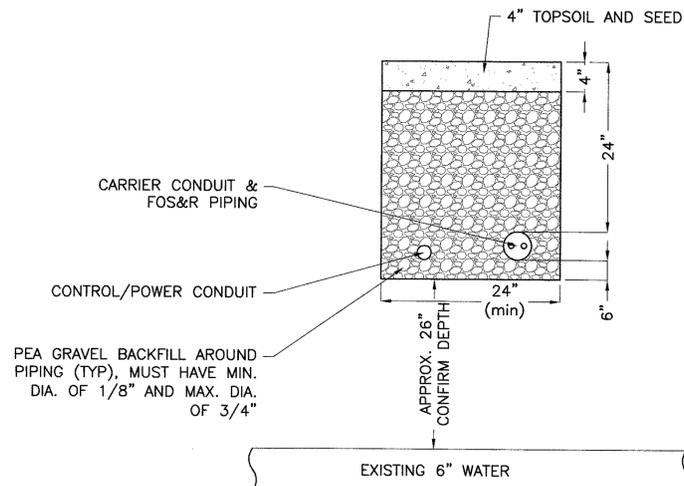


FUEL TANK SIDE VIEW (SECTION C-C)
NOT TO SCALE

FUEL TANK DETAIL (SECTION D-D)
NOT TO SCALE



SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE



NO.	DATE	DESCRIPTION	BY	CHK'D
1	06-21-2012	RELEASED FOR CONSTRUCTION	R/J	

DEPARTMENT OF
ADMINISTRATIVE SERVICES
BUREAU OF PUBLIC WORKS
DESIGN & CONSTRUCTION
JOHN O MORTON BUILDING
ROOM 250
7 HAZEN DRIVE, POB 483
CONCORD NH 03302-0483
PHONE: 603.271.1639
FAX: 603.271.3515

NH DHHS
GLENCLIFF HOME
393 HIGH STREET
GLENCLIFF NH 03238

DEMOLITION OF (3)
AST's & INSTALL 5,000
GALLON DIESEL UST
PROJECT #80855
CONTRACT B

SHEET TITLE
FUEL TANK
LOCATION
FUEL TANK
DETAILS

DRAWN BY	DATE
JWP	06-21-2012
CHECKED BY	D&K PROJECT #
LDC	521560
PROJ. ENG.	D&K ARCHIVE #
LDC	521560

SHEET NUMBER

C2.1

NO.	DATE	DESCRIPTION
1	06-21-2012	RELEASED FOR CONSTRUCTION
		BY RF
		CK'D

DEPARTMENT OF
ADMINISTRATIVE SERVICES
BUREAU OF PUBLIC WORKS
DESIGN & CONSTRUCTION
JOHN O MORTON BUILDING
ROOM 250
7 HAZEN DRIVE, POB 483
CONCORD NH 03302-0483
PHONE: 603.271.1639
FAX: 603.271.3515

NH DHHS
GLENCLIFF HOME
393 HIGH STREET
GLENCLIFF NH 03238

DEMOLITION OF (3)
AST's & INSTALL 5,000
GALLON DIESEL UST
PROJECT #80655
CONTRACT B

SHEET TITLE
FUEL TANK
LOCATION

EROSION
CONTROL
DETAILS

DRAWN BY JWP DATE 06-21-2012

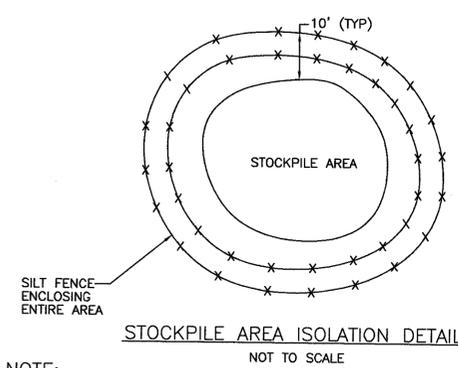
CHECKED BY LDC DBK PROJECT # 521560

PROJ. ENG. LDC DBK ARCHIVE # 521560

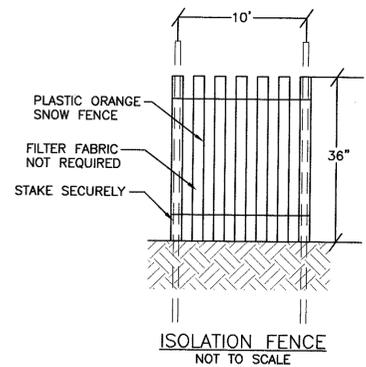
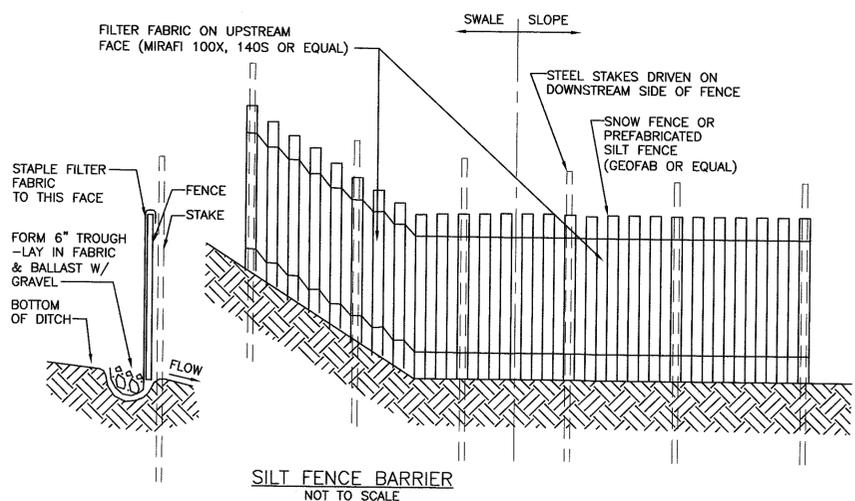
SHEET NUMBER

C2.2

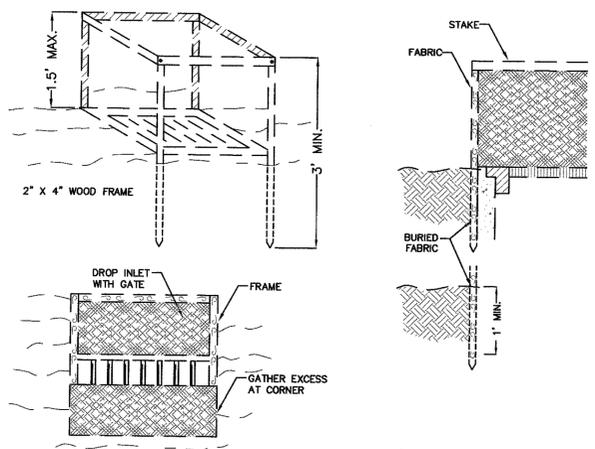
SHEET 7 OF 13



NOTE:
ALL AREAS NOT TO BE WORKED FOR 14 DAYS OR MORE SHALL BE TEMPORARILY STABILIZED WITH MULCH, MATTING, OR OTHER MEASURES SUITABLE TO THE LOCATION.
ALL AREAS NOT TO BE WORKED FOR 30 OR MORE DAYS SHALL BE TEMPORARILY STABILIZED WITH SEED AND MULCH, MATTING, OR OTHER MEASURES SUITABLE TO THE LOCATION.
ALL AREAS SHALL GENERALLY RECEIVE FINAL STABILIZATION WITHIN 48 HOURS OF REACHING FINAL GRADE.



EROSION CONTROL SCHEDULE	
FOR SITE CONDITIONS	USE TYPE
AREAS FLATTER THAN 1:5 (20%)	HAY AND STRAW MULCH
AREAS 1:5 (20%) OR STEEPER	MATTING/BLANKETS
ALL DISTURBED AREAS	SEED AND MULCH
ACROSS SLOPES AROUND CATCH BASINS AROUND STOCK PILE AND BORROW AREAS TOES OF SLOPE ALONG STREAMS AND WATER BODIES AS SHOWN ON DRAWINGS	SILT FENCES
ACROSS SLOPES AROUND CATCH BASINS IN DRAINAGE DITCHES 9% SLOPE OR LESS - PLACE 100 FT. APART 10% TO 19% - PLACE 50 FT. APART 20% OR GREATER - PLACE 25 FT. APART AS SHOWN ON DRAWINGS	CHECK DAMS
IN DITCHES PRIOR TO DISCHARGE TO BODIES OF WATER AS SHOWN ON DRAWINGS	SEDIMENT BASINS
STABILIZED CONST. ENTRANCE AS SHOWN ON DRAWINGS	STABILIZED CONST. ENTRANCE



- NOTE:**
- FILTER FABRIC SHALL HAVE AN EOS OF 40-85. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS
 - CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE NEEDED THEY WILL BE OVERLAPPED TO THE NEXT STAKE.
 - STAKE MATERIALS WILL BE STANDARD 2"x4" WOOD OR EQUIVALENT. METAL WITH A MINIMUM LENGTH OF 3 FEET.
 - SPACE STAKES EVENLY AROUND THE INLET 3 FEET APART AND DRIVE A MINIMUM OF 18 INCHES DEEP. SPANS GREATER THAN 3 FEET MAY BE BRIDGED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
 - FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IT SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME.
 - A 2"x4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA 1 ACRES

DEWATERING PROCEDURE
DEWATERING WILL BE ACCOMPLISHED BY PLACEMENT OF CRUSHED STONE FILLED SUMPS IN LOW AREAS OF THE EXCAVATION. WATER WILL BE PUMPED FROM THESE SUMPS THROUGH A SEDIMENTATION DEVICE AND DISCHARGE INTO THE SUBSURFACE STORMWATER SYSTEM. THE DETAILS OF DEWATERING, INCLUDING THE NUMBER AND LOCATION OF SUMPS; THE TYPE, NUMBER AND LOCATION OF THE SEDIMENTATION DEVICE(S) AND THE ASSOCIATED DISCHARGE POINTS AND OPERATING PROCEDURES WILL DEPEND ON THE CONDITIONS ENCOUNTERED DURING CONSTRUCTION, AS WELL AS THE SEASONAL WEATHER CONDITIONS. A PLAN WHICH DETAILS THE DEWATERING SYSTEM AND PROCEDURES WILL BE PROVIDED FOR REVIEW AND APPROVAL BY THE ON-SITE COORDINATOR PRIOR TO ITS IMPLEMENTATION.



NO.	DATE	DESCRIPTION	BY	CHK'D
1	06-21-2012	RELEASED FOR CONSTRUCTION	RJF	

DEPARTMENT OF
ADMINISTRATIVE SERVICES
BUREAU OF PUBLIC WORKS
DESIGN & CONSTRUCTION
JOHN O MORTON BUILDING
ROOM 250
7 HAZEN DRIVE, POB 483
CONCORD NH 03302-0483
PHONE: 603.271.1639
FAX: 603.271.3515

NH DHHS
GLENCLIFF HOME
393 HIGH STREET
GLENCLIFF NH 03238

DEMOLITION OF (3)
AST's & INSTALL 5,000
GALLON DIESEL UST

PROJECT #80655
CONTRACT B

SHEET TITLE
**BOILER
BUILDING
EXISTING AST
REMOVAL
PLAN**

DRAWN BY	DATE
RJF	06-21-2012
CHECKED BY	D&K PROJECT #
RJF	521560
PROJ. ENG.	D&K ARCHIVE #
MAS	521560

SHEET NUMBER

M1.1

PROJECT NOTES

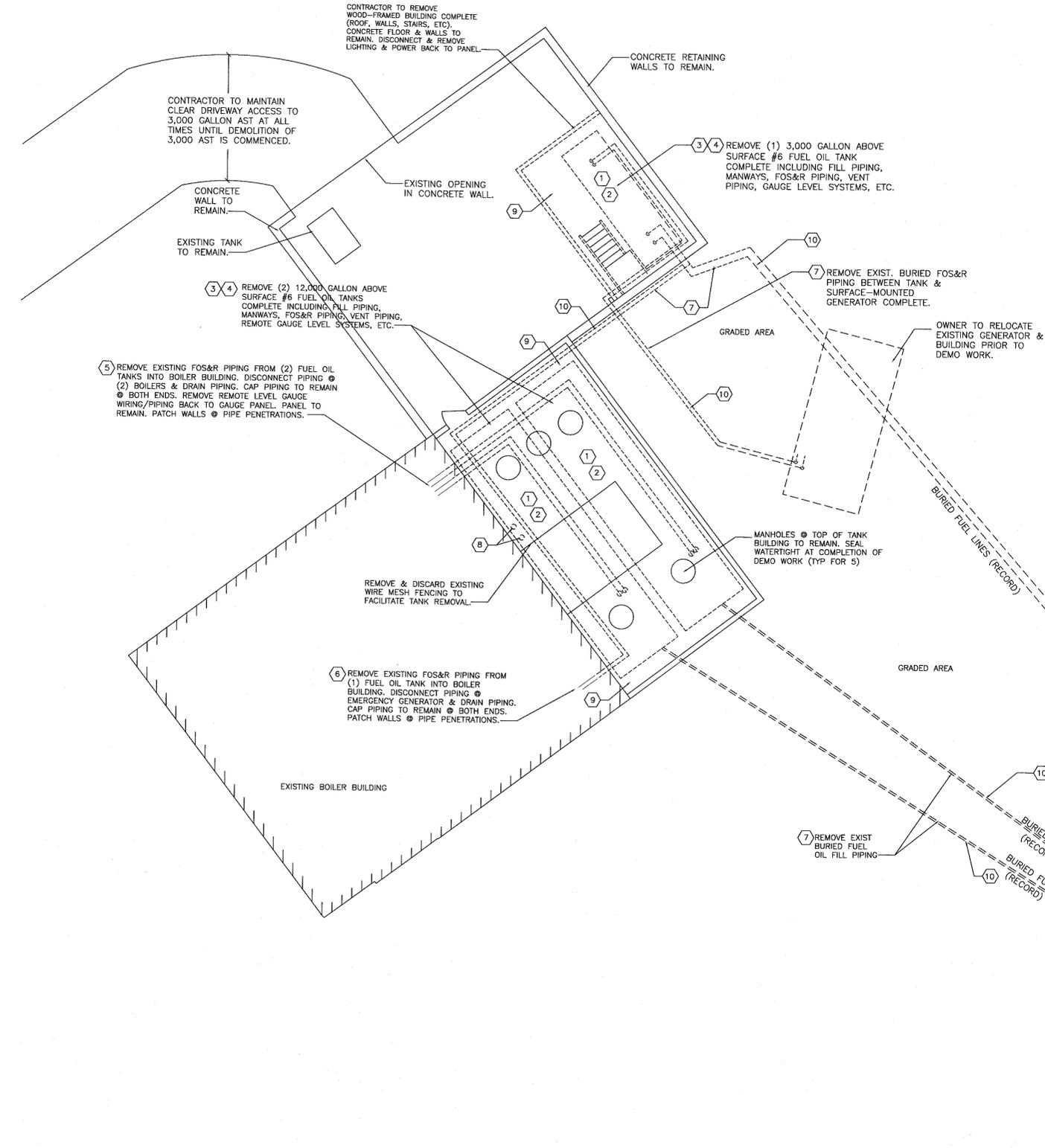
- ALL DEMOLITION WORK SHALL BE PERFORMED BY A CONTRACTOR LICENSED AND CERTIFIED BY THE STATE OF NEW HAMPSHIRE AND/OR THE INTERNATIONAL CODE COUNCIL (ICC) FOR THIS TYPE OF WORK. THE CONTRACTOR SHALL APPLY FOR AND PAY FOR ALL NECESSARY PERMITS FOR THE DEMOLITION AND REMOVAL OF THE (3) ABOVE SURFACE TANKS (AST) AND BELOW GRADE PIPING SYSTEMS AS SHOWN.
- DEMOLITION WORK SHALL BE IN COMPLIANCE WITH THE STATE OF NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES FOR ABOVE GROUND STORAGE FACILITIES, PART ENV-WM-1402 AND APPLICABLE SECTIONS OF NFPA 30.
- ALL DEMOLITION WORK OF EXISTING BELOW GRADE PIPING SYSTEMS SHALL BE IN COMPLIANCE WITH THE STATE OF NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES FOR UNDERGROUND STORAGE FACILITIES, PART ENV-WM-1401.
- IN COOPERATION WITH THE PRIME CONTRACTOR, THE OWNER (OR OWNER'S ASSIGNED REPRESENTATIVE) SHALL PROVIDE ALL REQUIRED OBSERVATION AND REPORTING OF SOIL SAMPLING AND RECORDS.
- CONTRACTOR SHALL FULLY MANAGE THE DEMOLITION WORK TO PREVENT DAMAGE TO THE TANKS PRIOR TO REMOVAL, TO PREVENT SPILLAGE OR RELEASE OF CONTAMINATED MATERIALS, AND TO COMPLY WITH ALL OSHA REGULATIONS FOR CONFINED SPACE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY RELEASE OR SPILLAGE THAT OCCURS ONCE THE PROJECT HAS STARTED.
- THE CONTRACTOR SHALL LEGALLY DISPOSE OF ALL DEMOLITION DEBRIS INCLUDING THE TANKS, FILL PIPING, AND ALL ASSOCIATED FUEL OIL PIPING. IT SHALL ALSO SUBMIT ALL NECESSARY STATE OF NH PAPERWORK FOR DISPOSAL OF THE SAME.
- THE CONTRACTOR SHALL NOTIFY NHDES FOR INSPECTION OF THE EXISTING AST REMOVALS AND COMPLETE ALL NECESSARY PAPERWORK, ETC. IN REGARDS TO INSPECTION REQUIREMENTS.
- EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN. CONTRACTOR TO COORDINATE THE EXCAVATION WITH THE OWNER AND THE OWNER'S EXISTING BUILDING DOCUMENTS. CONTRACTOR TO CONTACT "DIG SAFE" PRIOR TO BEGINNING THE WORK. BACKFILL ALL EXCAVATION WORK WITH CLEAN FILL AND FINISH TO MATCH SURROUNDING LANDSCAPE SURFACES.

DEMOLITION SCHEDULE REQUIREMENTS:
THE DEMOLITION WORK OF THE 3,000 GALLON AST CANNOT START UNTIL THE NEW 5,000 GALLON UST HAS BEEN ACCEPTED BY NHDES, ACCEPTED BY THE OWNER AND THE NEW TANK SYSTEM IS FULLY FUNCTIONAL. DEMOLITION SCHEDULE MUST BE FULLY COORDINATED WITH THE OWNER PRIOR TO STARTING.

AT THE CONTRACTOR'S OPTION, THE DEMOLITION OF THE (2) 12,000 GALLON #6 OIL TANKS CAN BEGIN AT ANY POINT AFTER THE PROJECT HAS COMMENCED. SCHEDULE COORDINATION WITH THE OWNER IS REQUIRED PRIOR TO STARTING THIS WORK.

KEYED NOTES

- PRIOR TO THE START OF DEMOLITION, THE CONTRACTOR SHALL:
1. THE OWNER SHALL PROVIDE AN ESTIMATE OF #6 OIL THAT REMAINS IN EACH TANK PRIOR TO REMOVAL.
2. PUMP DOWN & REMOVE ALL REMAINING #6 FUEL OIL IN EACH TANK. THE OWNER SHALL PROVIDE THE CONTRACTOR WITH THE ESTIMATED REMAINING GALLONS IN EACH TANK PRIOR TO STARTING THE WORK.
3. NOTIFY THE STATE OF NEW HAMPSHIRE OF INTENDED TANK REMOVALS.
4. CLOSE ALL SUPPLY, RETURN, AND FILL PIPE VALVES.
5. LOCK-OUT & TAG OUT ANY ASSOCIATED FUEL OIL PUMPS.
6. LOCK-OUT THE FILL PIPING AT THE STREET TO PREVENT UNAUTHORIZED TANK FILLING.
7. PROVIDE WRITTEN CONFIRMATION OF THIS WORK TO THE OWNER.
- RENDER ALL TANKS FREE FROM VAPORS AND PROVIDE SUFFICIENT ACCESS TO EACH TANK IN ORDER TO COMPLY WITH REGULATIONS FOR CLEANING THE TANKS IN PLACE AND PREVENTING DAMAGE TO THE TANKS DURING THE CLEANING PROCESS.
- THOROUGHLY CLEAN THE INTERIOR OF EACH TANK AND ALL ASSOCIATED PIPING SCHEDULED FOR DEMOLITION. REMOVE ALL SLUDGE, SOLIDS, AND RESIDUAL OILS. LEGALLY DISPOSE OF THE OILY WASTES PER LOCAL, STATE, AND FEDERAL GUIDELINES. PROVIDE WRITTEN REPORTS PER NHDES GUIDELINES.
- CONTRACTOR TO ESTABLISH (WITH THE COOPERATION OF THE OWNER) THE BEST APPROACH TO REMOVING THE TANKS AFTER CLEANING. AT THE CONTRACTOR'S OPTION, THE TANKS MAY BE REMOVED THROUGH THE ROOF OR THROUGH THE SIDEWALL OF THE BUILDING. CONTRACTOR TO REMOVE ALL DEMOLITION DEBRIS CREATED TO GAIN ACCESS TO THE TANKS AND SHALL PATCH THE WALLS OR ROOF BACK TO MATCHING ITS ORIGINAL CONSTRUCTION.
- REMOVE EXISTING FUEL OIL DISTRIBUTION PIPING BETWEEN TANKS AND BOILER ROOM. CAP PIPING WITHIN BOILER ROOM.
- REMOVE EXISTING FUEL OIL DISTRIBUTION PIPING BETWEEN TANK AND GENERATOR IN THE BOILER ROOM. CAP PIPING WITHIN BOILER ROOM.
- REMOVE BURIED FUEL OIL DELIVERY PIPING FROM ACCESS AT ROAD FILL SITE BACK TO THE STORAGE TANK COMPLETE. CONTRACTOR TO CAREFULLY EXCAVATE FOR PIPING REMOVAL. PRIOR TO EXCAVATION, CONTRACTOR SHALL CAREFULLY EXAMINE THE SITE FOR EVIDENCE OF RELEASE AND/OR SURFACE CONTAMINATION. IF NO RELEASE EVIDENCE IS OBSERVED, CONTRACTOR SHALL SAMPLE THE SOIL AROUND AND UNDER THE BURIED PIPING AT 10'-0" INTERVALS DURING THE EXCAVATION. COMPLY WITH ENV-WM-1401 AND 1402 FOR SAMPLING, TESTING, AND REPORTING INCLUDING SUBMISSION OF NECESSARY NHDES PAPERWORK.
NOTE: SEQUENCE DEMOLITION OF PIPING IN COORDINATION WITH TANK DEMOLITION SCHEDULE RESTRICTIONS.
- REMOVE EXISTING VENT PIPING COMPLETE AND PATCH ROOF TO MATCH EXISTING.
- CONTRACTOR SHALL VISUALLY INSPECT THE CONCRETE FLOORS AFTER THE TANKS HAVE BEEN REMOVED. IF EVIDENCE OF SPILLAGE IS OBSERVED, THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A QUOTE FOR THE LEGAL REMEDIATION OF THE STAINED CONCRETE FLOOR.
- EXISTING BURIED PIPING BASED ON RECORD DRAWINGS. CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY LOCATION AND DEPTH OF ALL PIPING TO BE REMOVED PRIOR TO EXCAVATION.



1 FUEL TANK DEMOLITION PLAN @ EXISTING BOILER BUILDING
SCALE: 1/8" = 1'-0"



NO.	DATE	DESCRIPTION	BY
1	06-21-2012	RELEASED FOR CONSTRUCTION	RJF
			CKD

DEPARTMENT OF
ADMINISTRATIVE SERVICES
BUREAU OF PUBLIC WORKS
DESIGN & CONSTRUCTION
JOHN O MORTON BUILDING
ROOM 250
7 HAZEN DRIVE, POB 483
CONCORD NH 03302-0483
PHONE: 603.271.1639
FAX: 603.271.3515

NH DHHS
GLENCLIFF HOME
393 HIGH STREET
GLENCLIFF NH 03238

DEMOLITION OF (3)
AST's & INSTALL 5,000
GALLON DIESEL UST

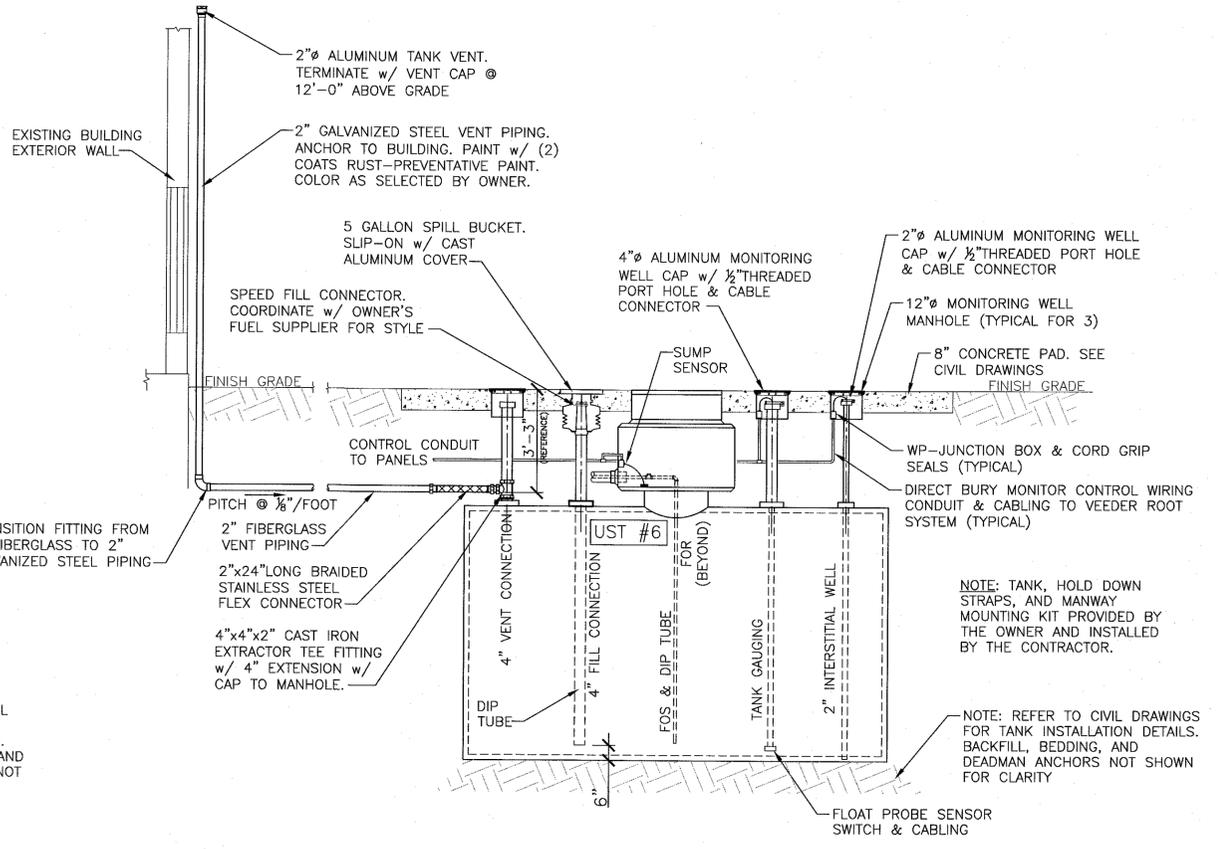
PROJECT #80655
CONTRACT B

SHEET TITLE
**DIESEL FUEL
TANK PIPING
DETAILS**

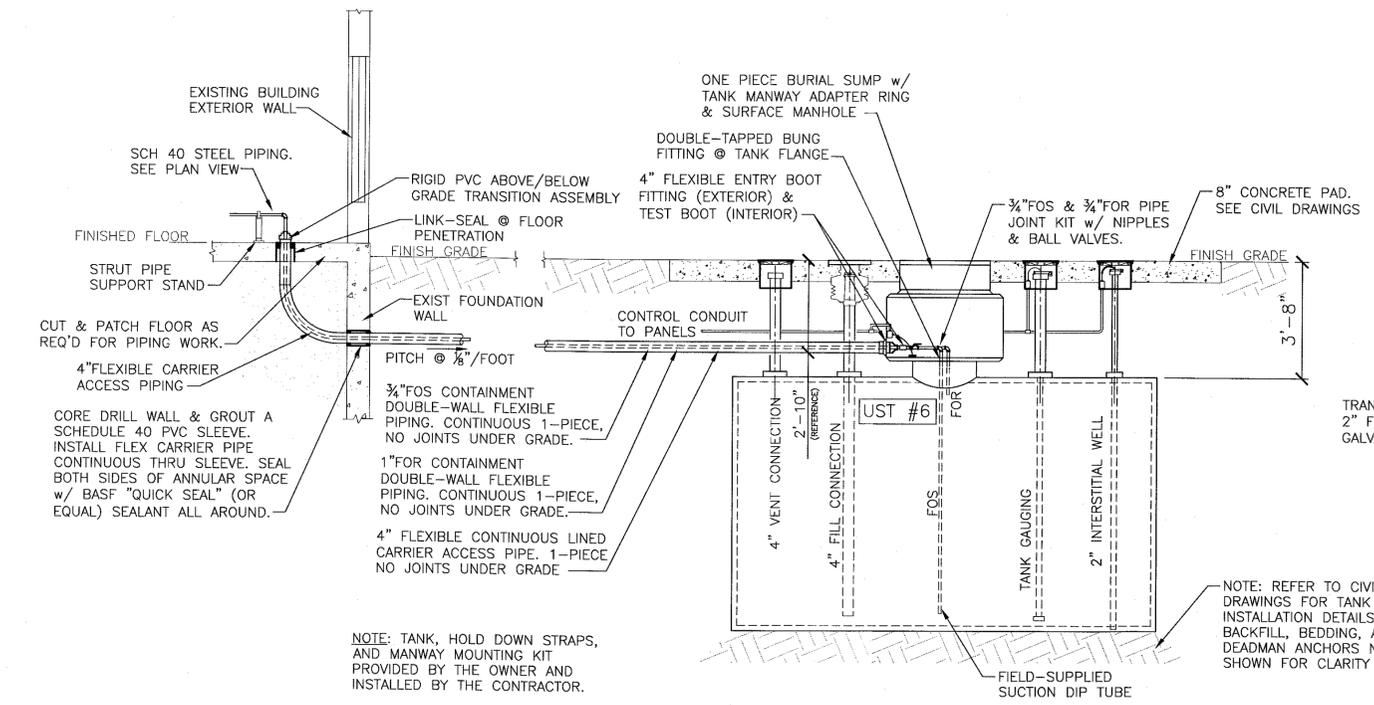
DRAWN BY RJF	DATE 06-21-2012
CHECKED BY RJF	DBK PROJECT # 521560
PROJ. ENG. MAS	DBK ARCHIVE # 521560

SHEET NUMBER

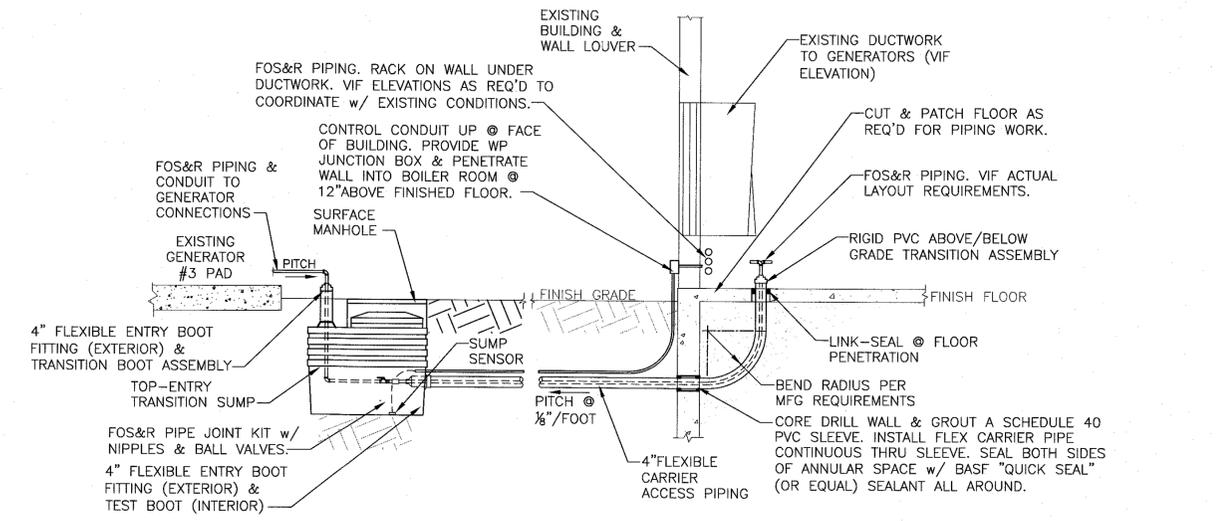
M2.2



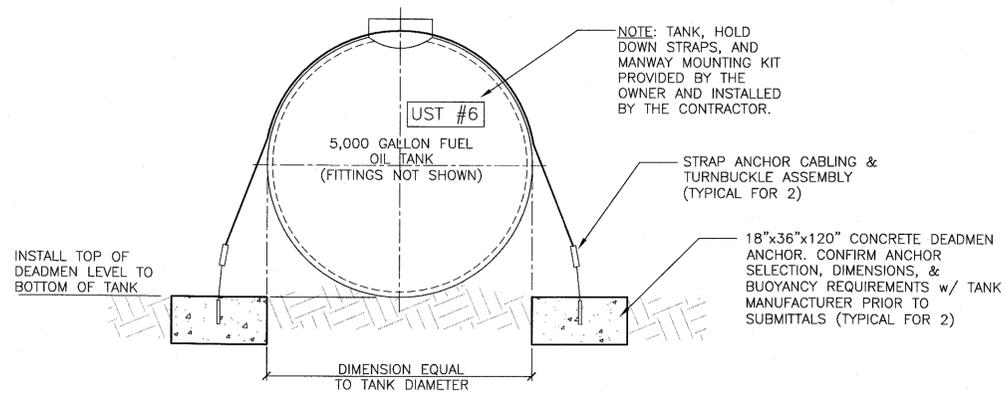
2 TANK PIPING DETAILS - VENT, FILL, & MONITORING
SCALE: 3/8" = 1'-0"



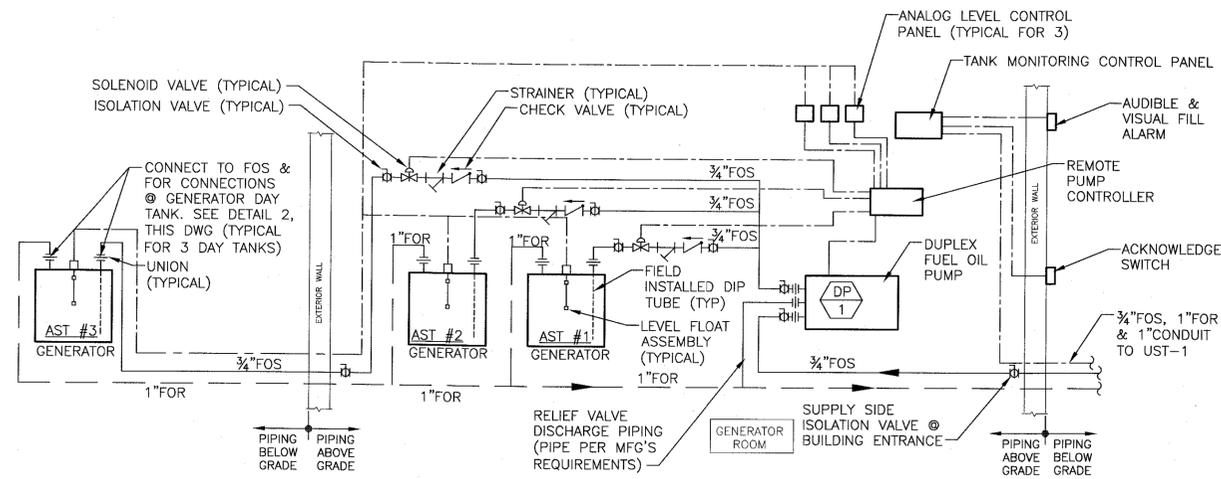
1 TANK PIPING DETAILS - FUEL OIL PIPING
SCALE: 3/8" = 1'-0"



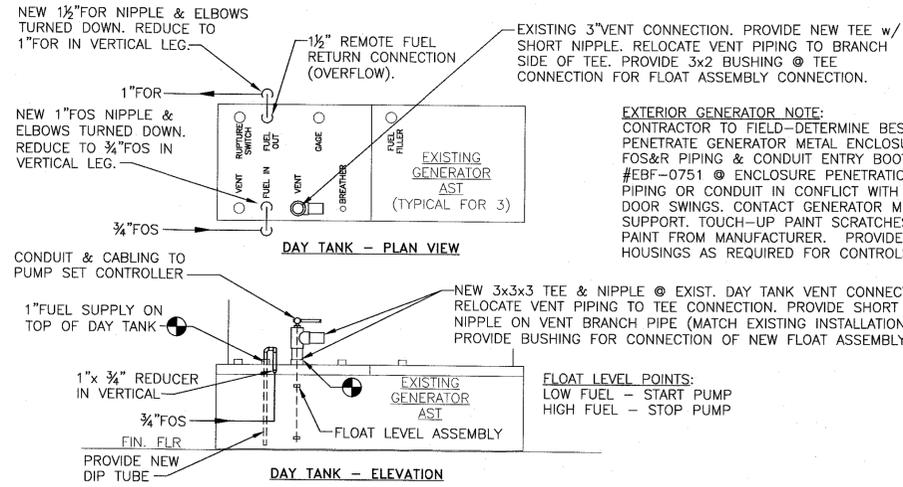
4 TANK PIPING DETAILS @ EXTERIOR GENERATOR
SCALE: 3/8" = 1'-0"



3 TANK PIPING DETAILS - FUEL OIL PIPING
SCALE: 3/8" = 1'-0"



1 TANK PIPING SCHEMATIC
NOT TO SCALE



2 DAY TANK PIPING SCHEMATIC
NOT TO SCALE TYPICAL FOR (3) DAY TANKS

TANK MONITORING SYSTEM	
VEEDER-ROOT #TLS-300C TANK MONITORING SYSTEM #848590-521 CONFIGURABLE CONSOLE w/ INTEGRAL PRINTER AND: STATIC IN-TANK SOFTWARE ENHANCEMENT MODULE, #846390-107	
MAG-PLUS PROBE w/ INSTALLATION KIT & FLOAT	
EXTERIOR WALL-MOUNTED AUDIBLE/VISUAL OVERFILL ALARM w/ ACKNOWLEDGMENT SWITCH	
SUMP SENSORS	
INTERFACE MODULES (AS REQUIRED)	
IN-TANK ALARM ACTIVATIONS:	
LEAK	
OVERFILL	
LOW PRODUCT	
SUDDEN LOSS	
HIGH WATER	
DELIVERY REQUIRED	
TANK TEST	
INTERSTITIAL & SUMP ALARM ACTIVATIONS:	
LOW LIQUID	
HIGH LIQUID	
INSTALLING CONTRACTOR MUST COMPLY WITH VEEDER-ROOT'S CONTRACTOR CERTIFICATION REQUIREMENTS FOR INSTALLATION AND PROGRAMMING. PROVIDE ADDITIONAL MONITORING DEVICES FOR COMPLIANCE WITH NHDES REGULATIONS.	
CONTRACTOR TO WALL-MOUNT UNIT AND WIRE TO ALL MONITORING POINTS PER MANUFACTURER'S INSTRUCTIONS.	
FURNISH AND INSTALL REQUIRED POWER REQUIREMENTS FROM LOCAL PANEL TO MONITORING SYSTEM. SEE ELECTRICAL DRAWING.	
CONTRACTOR TO TEST ALL EQUIPMENT AND SUBMIT RESULTS OF THE TEST TO NHDES (ENV-WM 1401.28AF).	

DUPLIX FUEL OIL PUMP SCHEDULE										
SYMBOL DP #	MANUFACTURER AND MODEL NUMBER	SERVICE	PUMP TYPE	GPM	HEAD (PSI)	MOTOR			LOCATION	REMARKS
						HP	RPM	VOLTS/Ø		
DP-1	SIMPLEX INC SPS-25-ED	GENERATOR FUEL SUPPLY	DIRECT DRIVE	17	50	1/2	1725	208/3	GENERATOR ROOM	ALL NOTES

NOTES

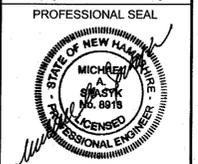
PROVIDE THE PUMP PACKAGE COMPLETE WITH THE FOLLOWING COMPONENTS:

- FULLY ENCLOSED FREE STANDING ENCLOSURE
- REMOTE CONTROL PANELS AND ELECTRICAL COMPARTMENT
- DRIP PAN CONTAINMENT ENCLOSURE w/ LEAK DETECTION
- FACTORY STARTER AND INTERLOCKED DOOR-MOUNTED DISCONNECT SWITCH
- PRESSURE RELIEF VALVES AT EACH PUMP SET AT 60PSI (ADJUSTABLE)
- EACH PUMP: ISOLATION VALVES, CHECK VALVE, CANISTER-TYPE STRAINER
- (1) ANTI-SIPHON VALVE - FIELD INSTALLATION REQUIRED
- PUMP CONNECTIONS: 1" NPT
- FACTORY (2) YEAR WARRANTY

- PROVIDE WITH (3) SIMPLEX ANALOG MULTI-FUNCTION LIQUID LEVEL CONTROLLERS FOR DUPLIX PUMP CONTROL. SIMPLEX #SST-LC345
- PROVIDE (1) CONTROL PANEL PER DAY TANK.
- DUPLIX PUMP CONTROLLER - TANK FILL CONTROL WITH AUTOMATIC ALTERNATING LEAD/LAG PUMP CONTROL.
- PROVIDE WITH SIMPLEX LC300 TANK LEVEL CONTROL 2-POINT FLOAT ASSEMBLY (1 PER DAY TANK).
- REQUIRED FLOAT SIGNALS:
PUMP START - LOW FUEL LEVEL
PUMP STOP - HIGH FUEL LEVEL

- CONTRACTOR TO WALL-MOUNT PANELS AND WIRE TO EACH FLOAT ASSEMBLY PER MANUFACTURER'S INSTRUCTIONS.
- FURNISH AND INSTALL REQUIRED POWER REQUIREMENTS FROM LOCAL PANEL TO CONTROLLERS. SEE ELECTRICAL DRAWING.
- CONFIRM ELECTRICAL CHARACTERISTICS WITH THE EXISTING BUILDING SERVICES PRIOR TO SUBMITTALS.
- PROVIDE ALL NECESSARY CONDUIT & CABLING BETWEEN REMOTE PANELS, PUMP ENCLOSURE, FLOATS, ETC AS REQUIRED.
- INSTALL ALL ITEMS PER MANUFACTURER'S INSTALLATION GUIDELINES AND REQUIREMENTS.
- PROVIDE WITH FACTORY CHECK, TEST, AND START-UP SERVICE.

SEQUENCE NOTES:
PUMP ENERGIZE: FLOAT LOW LEVEL POINT SIGNALS: (1) SOLENOID TO OPEN; AND (2) PUMP TO ENERGIZE
PUMP DE-ENERGIZE: FLOAT HIGH LEVEL POINT SIGNALS (1) PUMP TO DE-ENERGIZE; AND (2) SOLENOID TO CLOSE.
PUMP/SOLENOID/FLOAT ASSEMBLIES ARE INDEPENDENT OF THE EXISTING CAT DIESEL GENERATOR LEVEL CONTROLS AND ALARM SYSTEMS.



NO.	DATE	RELEASED FOR CONSTRUCTION	DESCRIPTION
1	06-21-2012		

DEPARTMENT OF ADMINISTRATIVE SERVICES
BUREAU OF PUBLIC WORKS DESIGN & CONSTRUCTION
JOHN O MORTON BUILDING ROOM 250
7 HAZEN DRIVE, POB 483
CONCORD NH 03302-0483
PHONE: 603.271.1639
FAX: 603.271.3515

NH DHHS
GLENCLIFF HOME
393 HIGH STREET
GLENCLIFF NH 03238

DEMOLITION OF (3) AST's & INSTALL 5,000 GALLON DIESEL UST
PROJECT #80655
CONTRACT B

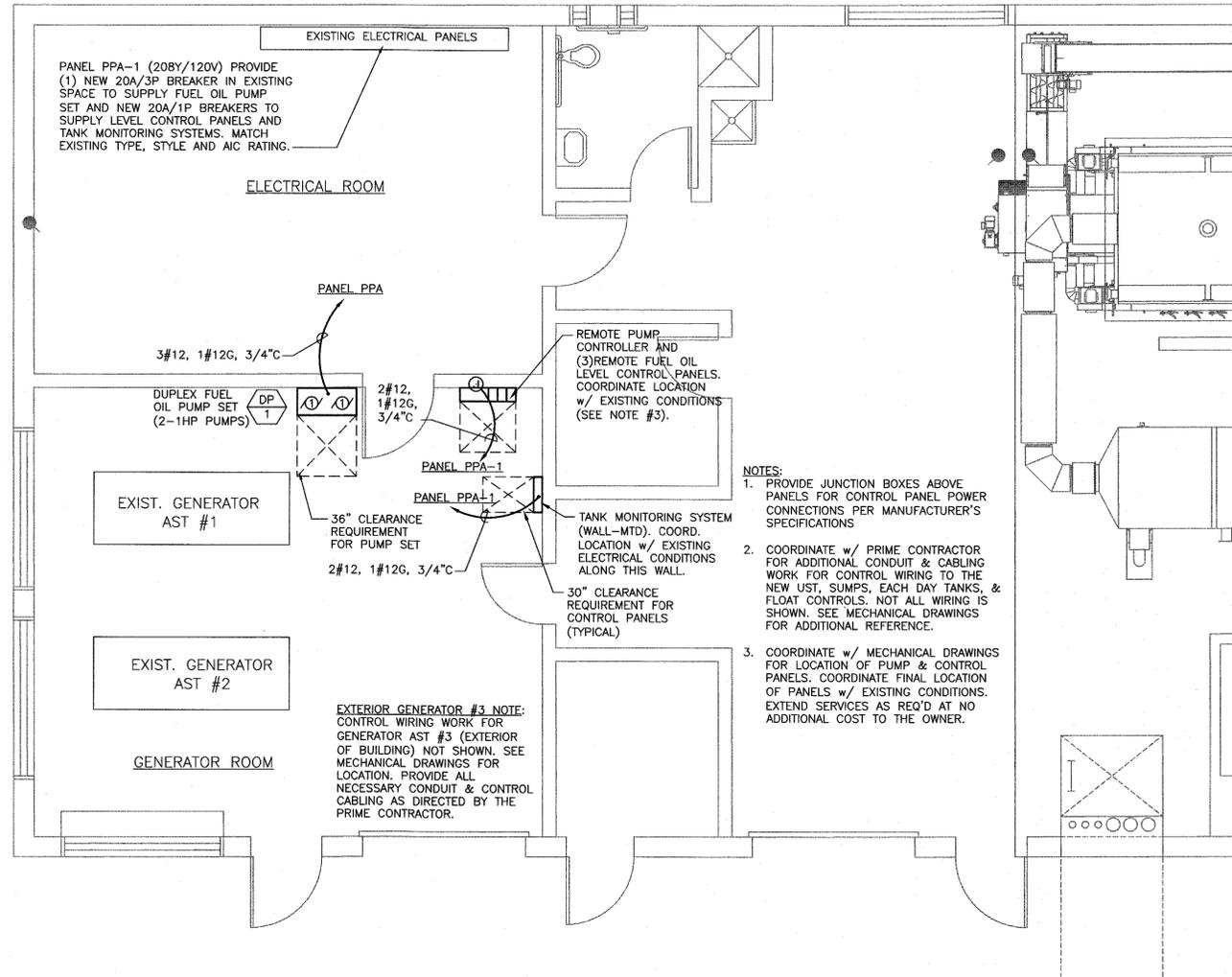
SHEET TITLE
DIESEL FUEL TANK PIPING SCHEMATIC & SCHEDULES

DRAWN BY RJF	DATE 06-21-2012
CHECKED BY RJF	D&K PROJECT # 521560
PROJ. ENG. MAS	D&K ARCHIVE # 521560

SHEET NUMBER
M2.3

ELECTRICAL GENERAL NOTES:

- FURNISH ALL LABOR, MATERIALS, TOOLS, ACCESSORIES, ETC. REQUIRED FOR A COMPLETE WORKING ELECTRICAL SYSTEM.
- ALL WORK IS PERFORMED BY A STATE OF NEW HAMPSHIRE LICENSED ELECTRICAL CONTRACTOR.
- ALL ELECTRICAL WORK SHALL COMPLY WITH ALL APPLICABLE STATE, COUNTY AND LOCAL CODES AND ORDINANCES, AS WELL AS ALL CURRENT STANDARDS, CODES AND PRACTICES AS REQUIRED BY NEC, NEMA, ANSI, NFPA, UBC, UL, IEEE AND UTILITY COMPANY STANDARDS.
- THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND INSPECTIONS.
- ALL EQUIPMENT, MATERIALS AND WORK SHOWN IS NEW UNLESS SPECIFICALLY NOTED AS EXISTING OR NOTED OTHERWISE ON OTHER SHEETS.
- ALL LIGHTING AND POWER WIRING SHALL BE MC CABLE EXCEPT FOR FEEDERS TO PANELS WHICH SHALL BE IN CONDUIT. ALL RACEWAYS SHALL BE EMT (ELECTRICAL METALLIC TUBING). REFER TO PANEL SCHEDULES, TYPICAL. ALL CONDUCTORS SHALL BE COPPER, WIRE SIZE NO. 8 AWG AND SMALLER BE TYPE THHN/THWN INSULATION. SIZES LARGER THEN NO. 8 SHALL HAVE TYPE "THHN/THWN" INSULATION UNLESS OTHERWISE NOTES. ALL WIRING SHALL BE STRANDED.
- LIMIT 20A, 120V BRANCH CIRCUITS TO A MAXIMUM 1920VA LOAD AND 15A, 120V BRANCH CIRCUIT TO A MAXIMUM 1440VA LOAD.
- CONDUITS, RACEWAYS AND CABLES SHALL BE PROPERLY AND SECURELY ATTACHED TO BUILDING STRUCTURAL COMPONENTS AS REQUIRED BY NEC ALL FASTENERS AND HARDWARE SHALL BE APPROVED FOR THE INSTALLATION AND THE CONDITIONS ENCOUNTERED.
- EACH OUTLET OR JUNCTION IN ANY OF THE WIRING SYSTEMS SHALL BE MADE IN AN APPROVED, METALLIC JUNCTION BOX. SUCH BOX SHALL BE SUITABLE FOR THE SIZE AND NUMBER OF CONDUCTORS AND DEVICES TO BE INSTALLED, AS WELL AS THE CONDITION ENCOUNTERED. ALL SPLICES SHALL BE MADE WITH APPROVED, ELECTRICAL CONNECTORS.
- VERIFY ALL STRUCTURAL, ARCHITECTURAL AND ELECTRICAL CONDITIONS (DUCT CLEARANCES, COUNTER HEIGHTS, DOOR SWINGS, ETC.) PRIOR TO ROUGH IN FOR ELECTRICAL WIRING EQUIPMENT.
- DUE TO THE REQUIREMENTS TO INTERFACE WITH EXISTING FACILITIES AND UTILITIES, IT IS MANDATORY THAT THE CONTRACTOR VISIT THE SITE TO DETERMINE EXISTING CONDITIONS PRIOR TO BID.
- PRIOR TO PURCHASE OF ANY PROTECTIVE DEVICES, SWITCH, STARTER, CONDUIT, WIRE, ETC., TO FEED ANY PIECE OF OPERATING EQUIPMENT VERIFY THE VOLTAGE, PHASE, & LOAD OF THAT ITEM IN THE FIELD AND/OR WITH THE PARTICULAR ENTITY INVOLVED IN FURNISHING THE ITEM SUCH THAT THE PROPER SIZE & RATING OF THE MATERIALS ARE PURCHASED. NO EXTRAS WILL BE ALLOWED FOR FAILURE TO COMPLY. THIS APPLIES TO ALL EQUIPMENT UNDER OTHER SECTIONS & BY THE OWNER.
- ALL ELECTRICAL WORK SHALL BE CAREFULLY COORDINATED WITH THE WORK OF OTHER TRADES AND ON-SITE CONDITIONS. WHERE CUTTING, DRILLING OR ALTERATION TO THE WORK OF OTHERS IS NECESSARY, FOR THE PROPER INSTALLATION OF ELECTRICAL EQUIPMENT, SUCH WORK SHALL BE PLANNED IN ADVANCE WITH THE GENERAL CONTRACTOR AND SHALL BE CAREFULLY DONE. ANY DAMAGE TO THE BUILDINGS OR EQUIPMENT SHALL BE REPAIRED BY PROPERLY TRAINED PERSONNEL, TO THE SATISFACTION OF THE ARCHITECT, AT NO ADDITIONAL COST TO THE OWNER.
- DURING ROUGH IN AND FINISHED STAGES OF CONSTRUCTION, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND KEEP CLEAN ALL ELECTRICAL EQUIPMENT, PANELS, FIXTURES AND DEVICES.
- THE CONTRACTOR SHALL PROVIDE ALL INFORMATION ABOUT EQUIPMENT WHICH IS BEING FURNISHED TO THE GENERAL CONTRACTOR FOR COORDINATION PURPOSES. THE CONTRACTOR SHALL PROVIDE ALL INSTALLATION DETAILS AND SUPPORT COMPONENTS TO THE GENERAL CONTRACTOR SO THAT THESE MAY BE BUILT INTO THE CONSTRUCTION IN A TIMELY MANNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF THE FINAL LOCATIONS OF ELECTRICAL, HVAC AND OWNER'S EQUIPMENT AND POWER CONNECTION DETAILS SO THAT THE ASSOCIATED ELECTRICAL WORK WILL BE PROPERLY COORDINATED AND INSTALLED.
- APPEARANCE AND WORKMANSHIP SHALL BE OF THE HIGHEST QUALITY AND STANDARDS
- UPDATE ALL PANEL BOARD CIRCUIT DIRECTORY CARDS TO REFLECT AS-BUILT CONDITIONS.
- ELECTRICAL CONTRACTOR SHALL GUARANTEE THE ELECTRICAL WORK TO BE FREE FROM DEFECTS IN MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER.
- VERIFY THE EXACT LOCATION AND ELEVATION OF ALL ELECTRICAL EQUIPMENT PRIOR TO ROUGH-IN. FINAL CONNECTIONS OF EQUIPMENT SHALL BE PER MANUFACTURERS APPROVED WIRING DIAGRAMS, DETAILS AND INSTRUCTIONS. THE ELECTRICAL CONTRACTOR SHALL PROVIDE MATERIALS AND EQUIPMENT COMPATIBLE WITH EQUIPMENT ACTUALLY SUPPLIED.
- ORDER AND/OR RELEASE ORDERED MATERIALS PROMPTLY AFTER SUBMITTAL APPROVAL. NO SUBSTITUTIONS OR ALTERNATE METHODS OF INSTALLATION WILL BE ACCEPTED FOR FAILURE TO ORDER MATERIALS IN A TIMELY FASHION.
- OBTAIN WRITTEN ACCEPTANCE FROM THE ENGINEER OF ALL SHOP DRAWINGS AND MANUFACTURERS DATA FOR EQUIPMENT, ETC. BEFORE RELEASING ORDERED MATERIALS. SUBMITTAL DATA SHALL INDICATE THAT THE CONTRACTOR HAS REVIEWED THE INFORMATION THEREIN AND THAT THE PROPOSED EQUIPMENT WILL MEET THE PHYSICAL CONSTRAINTS AT THE JOB SITE.
- CONDUIT / CONDUCTOR ROUTES SHOWN ARE DIAGRAMMATICAL ONLY. THE BEST FINAL CONDUIT ROUTING SHALL BE AS DETERMINED BY THE CONTRACTOR AT TIME OF CONSTRUCTION AND FULLY COORDINATED IN THE FIELD.
- ELECTRICAL INSTALLATION CONTRACTOR SHALL CLEARLY IDENTIFY ALL INCOMING CONDUCTORS BY CIRCUIT NUMBER DURING INSTALLATION IN THE DISTRIBUTION PANELS (E.G. CABLE MARKERS #1, #11 ETC).
- ALL WIRE SHALL BE COPPER.
- DUE TO THE OPERATIONS WITHIN THIS FACILITY, CONTRACTOR IS REQUIRED TO SCHEDULE ANY AND ALL SHUT-DOWNS OF EQUIPMENT WITH THE OWNER A MINIMUM OF 14 CALENDAR DAYS IN ADVANCE. ALL REQUESTS FOR SCHEDULED SHUT-DOWNS MUST BE WRITING AND APPROVED BY THE OWNER.
- PROVIDE ADDITIONAL CIRCUITS, JUNCTION BOXES, AND TRANSFORMERS AS REQUIRED FOR PUMP, MONITORING, OR ALARM OPERATION WORK. COORDINATE WITH PRIME CONTRACTOR FOR REQUIREMENTS.
- PROVIDE RECORD DRAWINGS TO THE PRIME CONTRACTOR AT THE COMPLETION OF THE PROJECT.



- NOTES:**
- PROVIDE JUNCTION BOXES ABOVE PANELS FOR CONTROL PANEL POWER CONNECTIONS PER MANUFACTURER'S SPECIFICATIONS
 - COORDINATE w/ PRIME CONTRACTOR FOR ADDITIONAL CONDUIT & CABLING WORK FOR CONTROL WIRING TO THE NEW UST, SUMPS, EACH DAY TANKS, & FLOAT CONTROLS. NOT ALL WIRING IS SHOWN. SEE MECHANICAL DRAWINGS FOR ADDITIONAL REFERENCE.
 - COORDINATE w/ MECHANICAL DRAWINGS FOR LOCATION OF PUMP & CONTROL PANELS. COORDINATE FINAL LOCATION OF PANELS w/ EXISTING CONDITIONS. EXTEND SERVICES AS REQ'D AT NO ADDITIONAL COST TO THE OWNER.

1 ELECTRICAL PART PLAN
SCALE: 1/4" = 1'-0"



ENGINEERING • PLANNING •
MANAGEMENT • DEVELOPMENT
34 BLAIR PARK RD. SUITE 10
WILLISTON, VT 05495
TEL: (802) 878-7661
FAX: (802) 878-2907
www.dubois-king.com
RANDOLPH, VT
SPRINGFIELD, VT
BEDFORD, NH
© Copyright 2011 DuBois & King Inc.



NO.	DATE	RELEASED FOR CONSTRUCTION	RF	WHH	BY	CKD
1	06-21-2012					

DEPARTMENT OF
ADMINISTRATIVE SERVICES
BUREAU OF PUBLIC WORKS
DESIGN & CONSTRUCTION
JOHN O MORTON BUILDING
ROOM 250
7 HAZEN DRIVE, POB 483
CONCORD NH 03302-0483
PHONE: 603.271.1639
FAX: 603.271.3515

NH DHHS
GLENCLIFF HOME
393 HIGH STREET
GLENCLIFF NH 03238

DEMOLITION OF (3)
AST's & INSTALL 5,000
GALLON DIESEL UST

PROJECT #80655
CONTRACT B

SHEET TITLE
**ELECTRICAL
PART PLAN
&
GENERAL
NOTES**

DRAWN BY	EJD	DATE	06-21-2012
CHECKED BY	RFK	DATE	521560
PROJ. ENG.	WHH	DATE	521560

SHEET NUMBER

E1.1