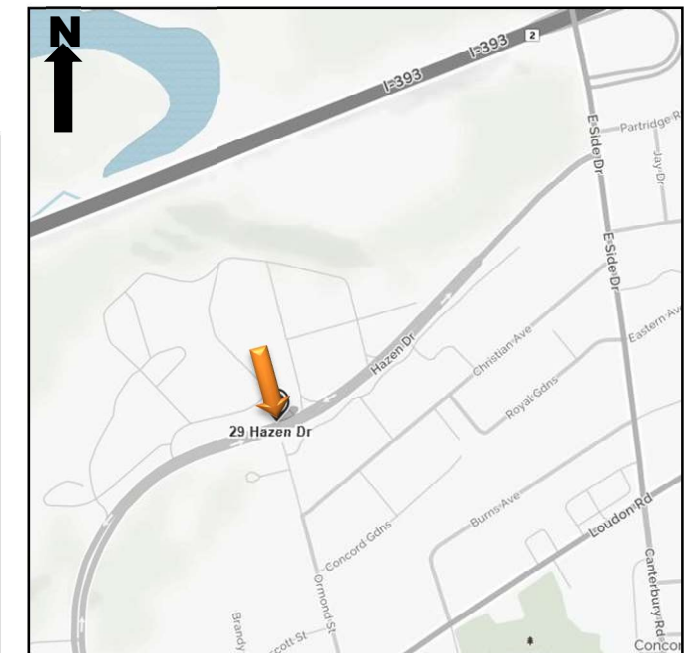



LOCUS: **CITY OF CONCORD, NH**



LOCUS: **29 HAZEN DRIVE**

Note: This plan is meant to be a guide (starting point) and does not include all necessary site specific information. Replace all RED text with tank specific information.

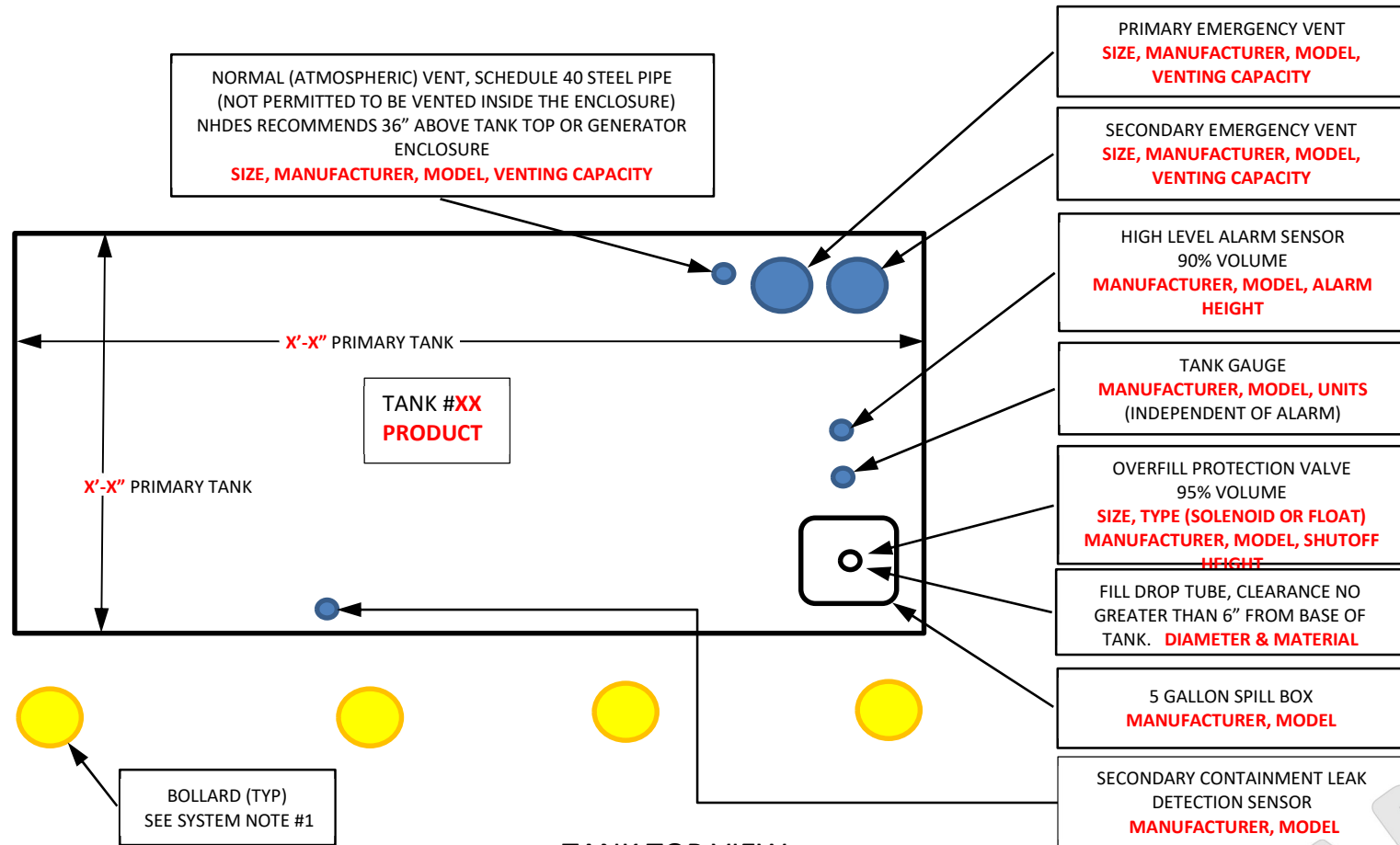
For more information contact:
Chad Hayes, P.E.
Technical Standards and Design Review Chief
NHDES Oil Compliance Section
(603) 271-0686
Chad.Hayes@des.nh.gov



- SHOW AND INDICATE DISTANCE TO THE FOLLOWING (AS APPLICABLE) PER ENV-OR 307.10:**
1. PUBLIC WATER SUPPLY WELL OFFSET. (500 FT MINIMUM FOR GASOLINE, 400 FT FOR DIESEL/OTHER).
 2. NON-PUBLIC WATER SUPPLY WELL OFFSET. (250 FT MINIMUM FOR GASOLINE, 75 FT FOR DIESEL/OTHER).
 3. SURFACE WATERS OF THE STATE OFFSET PER RSA 485-A:2, XIV (75 FT MINIMUM) (INCLUDING WETLANDS)
 4. FEMA 100 YEAR FLOOD PLAIN.
 5. DESIGNATED RIVER CORRIDOR.

SITE PLAN
 SCALE: **X" = X'**
RECOMMEND 1" = 10'

NH PE STAMP & SIGNATURE	FACILITY NAME
	ADDRESS
	PLAN DATE:
	REV. DATE:
AST FACILITY # XXXXXXX	SHEET 1 OF 2



TANK TOP VIEW
NOT TO SCALE

- PRIMARY EMERGENCY VENT
SIZE, MANUFACTURER, MODEL,
VENTING CAPACITY
- SECONDARY EMERGENCY VENT
SIZE, MANUFACTURER, MODEL,
VENTING CAPACITY
- HIGH LEVEL ALARM SENSOR
90% VOLUME
MANUFACTURER, MODEL, ALARM
HEIGHT
- TANK GAUGE
MANUFACTURER, MODEL, UNITS
(INDEPENDENT OF ALARM)
- OVERFILL PROTECTION VALVE
95% VOLUME
SIZE, TYPE (SOLENOID OR FLOAT)
MANUFACTURER, MODEL, SHUTOFF
HEIGHT
- FILL DROP TUBE, CLEARANCE NO
GREATER THAN 6" FROM BASE OF
TANK. DIAMETER & MATERIAL
- 5 GALLON SPILL BOX
MANUFACTURER, MODEL
- SECONDARY CONTAINMENT LEAK
DETECTION SENSOR
MANUFACTURER, MODEL


TANK #XX
PRODUCT: XXXXX
SAFE FILL HEIGHT: X'-X"

- NOTES:
- TANK MARKING TEXT (INCLUDING NFPA 704 LABEL) TO BE 2 INCH HEIGHT MINIMUM
 - SAFE FILL HEIGHT TO MATCH UNITS OF TANK GAUGE
 - TO BE VISIBLE FROM FILL LOCATION.

TANK MARKING

Note: This plan is meant to be a guide (starting point) and does not include all necessary site-specific information. Replace all RED text with tank specific information. Remove all BLUE advisory text.

For more information, contact:
Chad Hayes, P.E.
Technical Standards and Design Review Chief
NHDES Oil Compliance Section
(603) 271-0686
Chad.Hayes@des.nh.gov



- GENERAL NOTES:
- PURPOSE OF THIS PLAN IS TO DETAIL THE INSTALLATION OF A XXX KW, XXX HP GENERATOR MANUFACTURED BY XXXXX WITH XXXX GALLON (TOTAL CAPACITY) UL-XXX SECONDARY CONTAINMENT AST MANUFACTURED BY XXXXX.
 - AST IS LOCATED XXX FEET FROM A PUBLIC WATER SUPPLY WELL, XXX FEET FROM A PRIVATE WATER WELL AND XXX FEET FROM SURFACE WATER.
 - AST IS/IS NOT LOCATED WITHIN THE 100 YEAR FEMA FLOOD ZONE.
 - AST TO BE FILLED BY TIGHT FILL CONNECTION.

- SYSTEM NOTES:
- BOLLARDS INSTALLED TO PROTECT ALL SIDES OF THE TANK FROM PHYSICAL DAMAGE AS REQUIRED BY ENV-OR 307.10(D) SHALL BE:
 - SPACED 4 FT ON CENTER MAXIMUM PER ENV-OR 307.10(D)(1).
 - SHOW COMPLETE LAYOUT ON SITE PLAN.
 - PAINTED WITH REFLECTIVE PAINT OR PARTIALLY COVER WITH REFLECTIVE TAPE PER ENV-OR 307.10(D)(2).
 - NHDES RECOMMENDATION, ADVISORY PER NFPA 30A:**
 - 4" DIAMETER CONCRETE FILLED STEEL PIPE 3 FEET ABOVE AND BELOW FINISH GRADE.
 - INSTALLED IN 15" DIAMETER CONCRETE FOUNDATION 3 FEET BELOW FINISH GRADE.
 - INSTALL NO CLOSER THAN 5 FEET FROM THE TANK.
 - ALL EXPOSED SURFACES OF TANK AND PIPING SHALL BE PAINTED TO PREVENT CORROSION PER ENV-OR 305.06(C).
 - ALL ELECTRICAL INSTALLATIONS AND MATERIALS SHALL MEET THE REQUIREMENTS OF NFPA 70.
 - TANK SHALL BE BONDED, GROUNDED AND TESTED PER NFPA 30 6.5.4.
 - TANK AND PIPING REMOVAL OR CLOSURE SHALL BE PERFORMED PER ENV-OR 308.
 - AST INSTALLATION SHALL BE PERFORMED BY AN ICC (U5) CERTIFIED INSTALLER.
 - TANK TIGHTNESS SHALL BE CERTIFIED BY ONE OF THE FOLLOWING:
 - UL CERTIFICATION DECAL ON THE TANK, WORD "LISTED" & THE TANK CONSTRUCTION TYPE, i.e., "SECONDARY CONTAINMENT GENERATOR BASE TANK", "CLOSED TOP GENERATOR BASE TANK" etc.
 - TIGHTNESS TEST RESULTS PROVIDED BY TANK MANUFACTURER FOR PRIMARY TANK AND INTERSTITIAL SPACE.
 - DELIVERY AND PLACEMENT OF TANK ON SITE WITH FACTORY APPLIED VACUUM IN PLACE PER NFPA 30 21.5.2.1.
 - ON SITE TIGHTNESS TEST PER THE MANUFACTURERS REQUIREMENTS FOR NOT LESS THAN 1 HOUR PER NFPA 30 21.5.2.7.2 AND NOT LESS THAN:
 - 3-5 PSI FOR PRIMARY TANK PER NFPA 30 21.5.2.7;
 - 3-5 PSI OR 5.3 IN Hg VACUUM FOR INTERSTITIAL SPACE PER NFPA 30 21.5.2.7.1.
 - AST SHALL BE INSPECTED BY NHDES PRIOR TO PLACING PRODUCT IN TANK. ALL SENSORS AND OVERFILL VALVE SHALL BE REMOVED AND CHECKED FOR PROPER FUNCTION.
 - ICC INSTALLER REPORT PER ENV-OR 307.09(B) SHALL BE SUBMITTED TO NHDES PRIOR TO AUTHORIZATION TO OPERATE SYSTEM.
 - AST REGISTRATION FORM SHALL BE COMPLETED AND PROVIDED TO NHDES PRIOR TO AUTHORIZATION TO OPERATE.
 - SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN SHALL BE **UPDATED/IMPLEMENTED** TO INCLUDE SUBJECT TANK. SPCC CERTIFICATION PAGE, PER ENV-OR 306.02, SHALL BE SUBMITTED TO NHDES PRIOR TO AUTHORIZATION TO OPERATE SYSTEM.

- NFPA 704 LABELS
- APPROACH SIDE FOR FIRE DEPARTMENT
 - DIAMOND VALUES TO BE VERIFIED BY FUEL SUPPLIER.
 - TEXT TO BE 2 INCH HEIGHT MINIMUM

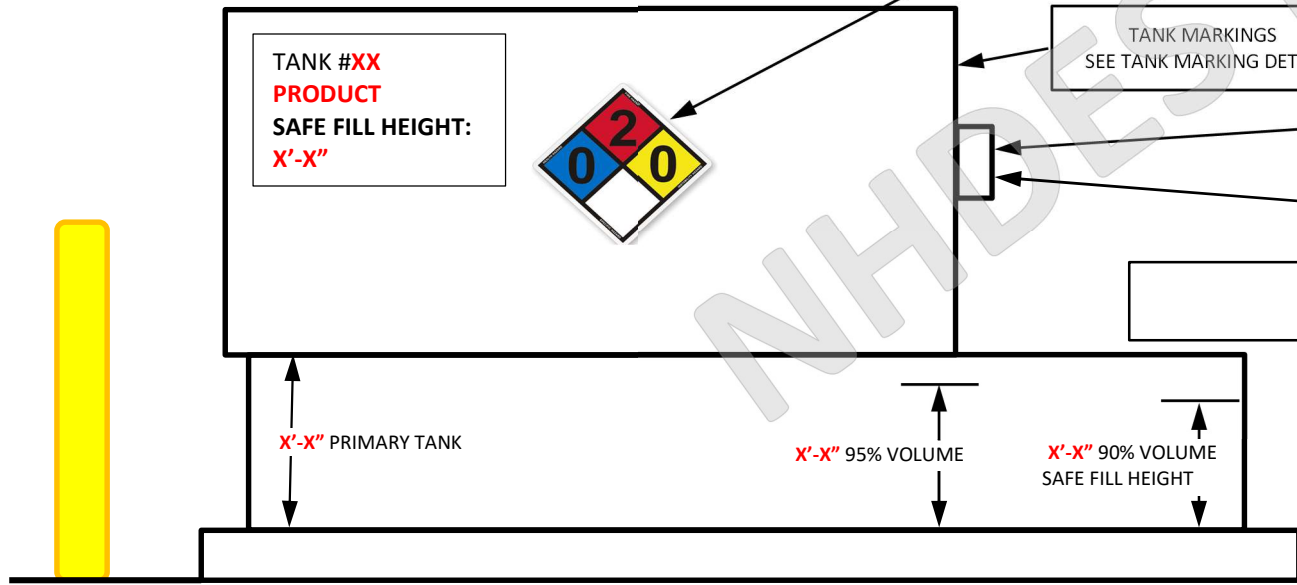
TANK MARKINGS
SEE TANK MARKING DETAIL

HIGH LEVEL AUDIBLE & VISUAL ALARM PANEL
MANUFACTURER, MODEL
(ELECTRICALLY HARDWIRED)

SECONDARY CONTAINMENT AUDIBLE & VISUAL LEAK ALARM
MANUFACTURER, MODEL
MUST BE AUDIBLE OUTSIDE ENCLOSURE

LY & RETURN FUEL LINES SHALL BE APPROVED FLEXIBLE FUEL LINES
NFPA 110 7.9.3.2. MANUFACTURER & LISTING NUMBER

CONCRETE TANK PAD
L x W x THICKNESS
XXXX PSI CONCRETE



TANK SIDE VIEW
NOT TO SCALE

FOR GENERATOR BASE TANKS GREATER THAN 660 GALLONS

INFORMATION PROVIDED HERE TAKEN FROM ENV-OR 300 AND APPLICABLE SECTIONS OF NFPA 30. INFORMATION IS FOR A GENERAL INSTALLATION. SPECIFIC APPLICATIONS WILL REQUIRE A MORE IN-DEPTH REVIEW.

NH PE STAMP & SIGNATURE	FACILITY NAME
	ADDRESS
AST FACILITY # XXXXXXXX	PLAN DATE:
	REV. DATE:
	SHEET 2 OF 2