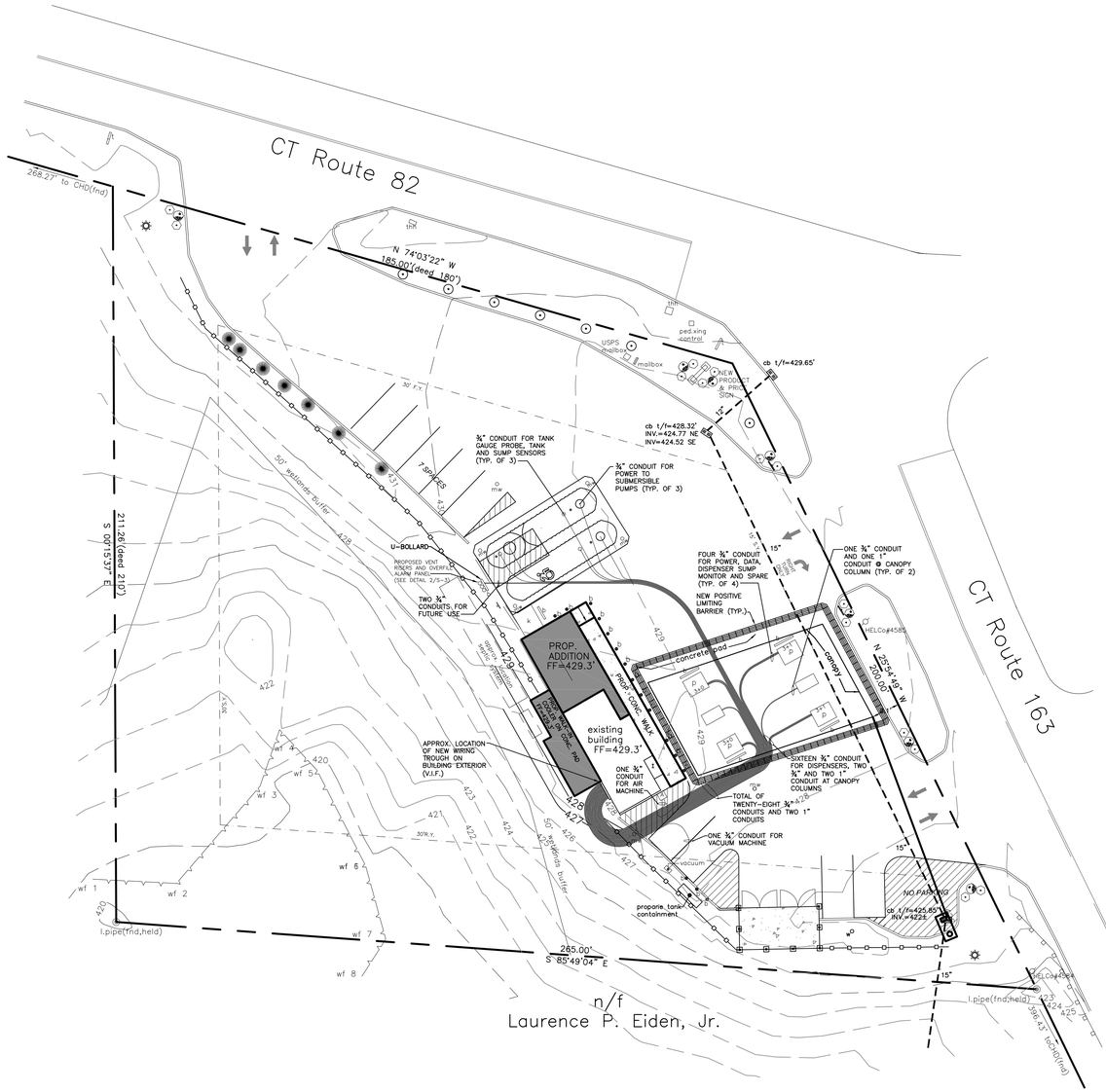
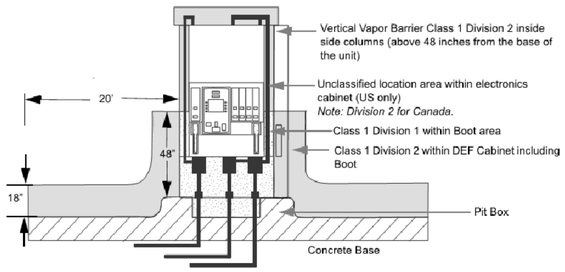


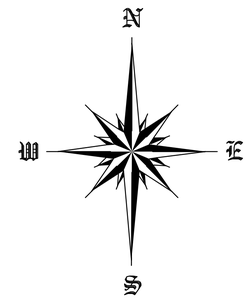
1 ELECTRICAL CONDUIT PLAN
SCALE: 1:20

ELECTRICAL NOTES:

1. PROVIDE NEW NEMA 3R EXTERIOR WIRING TROUGH ON OUTSIDE OF BUILDING
2. PROVIDE TWO (2) NEW 1" CONDUITS TO CANOPY
3. PROVIDE TWO (2) NEW ¾" CONDUITS TO CANOPY
4. PROVIDE FOUR (4) NEW ¾" CONDUITS AT DISPENSERS FOR SUMP MONITORS
5. PROVIDE FOUR (4) NEW ¾" CONDUITS AT DISPENSERS FOR HIGH VOLTAGE
6. PROVIDE FOUR (4) NEW ¾" CONDUITS AT DISPENSERS FOR DATA/INTERCOM
7. PROVIDE FOUR (4) NEW ¾" CONDUITS AT DISPENSERS FOR FUTURE/SPARE
8. PROVIDE THREE (3) ¾" CONDUITS FOR MONITORING SYSTEM COMPONENTS AT FUEL TANKS
9. PROVIDE THREE (3) NEW ¾" CONDUITS FOR AC POWER AT FUEL TANKS
10. PROVIDE ONE (1) NEW ¾" CONDUIT FOR AIR PUMP
10. PROVIDE ONE (1) NEW ¾" CONDUIT FOR VACUUM MACHINE
11. PROVIDE TWO (2) NEW ¾" CONDUITS AT VENT STAND FOR FUTURE USE
12. PROVIDE WEATHERPROOF DUPLEX RECEPTACLES ON TOP OF CANOPY WITH TWO CIRCUITS
13. INSTALL NEW SEAL FITTINGS (EYs) AT BOTH ENDS OF ALL CONDUIT TO TANK FIELD EQUIPMENT, VENT AND DISPENSERS,
14. NEW UNDERGROUND CONDUITS TO BE PVC w/ MINIMUM 24" BURIAL AND TRANSITION TO STEEL NOT LESS THAN 24" BEFORE EMERGENCE.

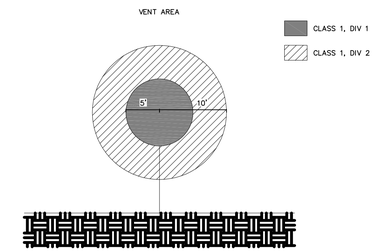


2 CLASS 1 ELEC. AREA AT DISPENSERS
SCALE: N.T.S.

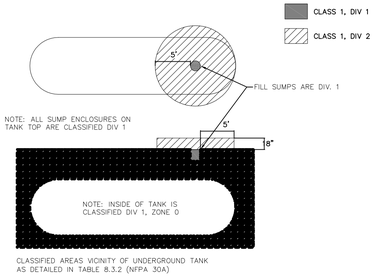


legend

- existing bollard
- air pump
- ice dipencer
- kerosine tank & pump
- guard rail
- exist well
- exist stockade fence
- utility pole
- light pole
- catch basin
- moniter well
- gas pump island
- evergreen tree
- traffic hand-hold
- wetlands demarcation
- traffic cntrl sign
- silt fence



3 CLASS 1 ELEC. AREA AT VENTS
SCALE: N.T.S.



4 CLASS 1 ELEC. AREA AT TANKS
SCALE: N.T.S.

0' 20' 40' 60'

ELECTRICAL CONDUIT PLAN AND DETAILS
prepared for:
LEEMILT'S PETROLEUM, INC.
612 Norwich–Salem Turnpike (Route 82)
Oakdale (Montville), Connecticut

SUBSTANTIALLY CORRECT

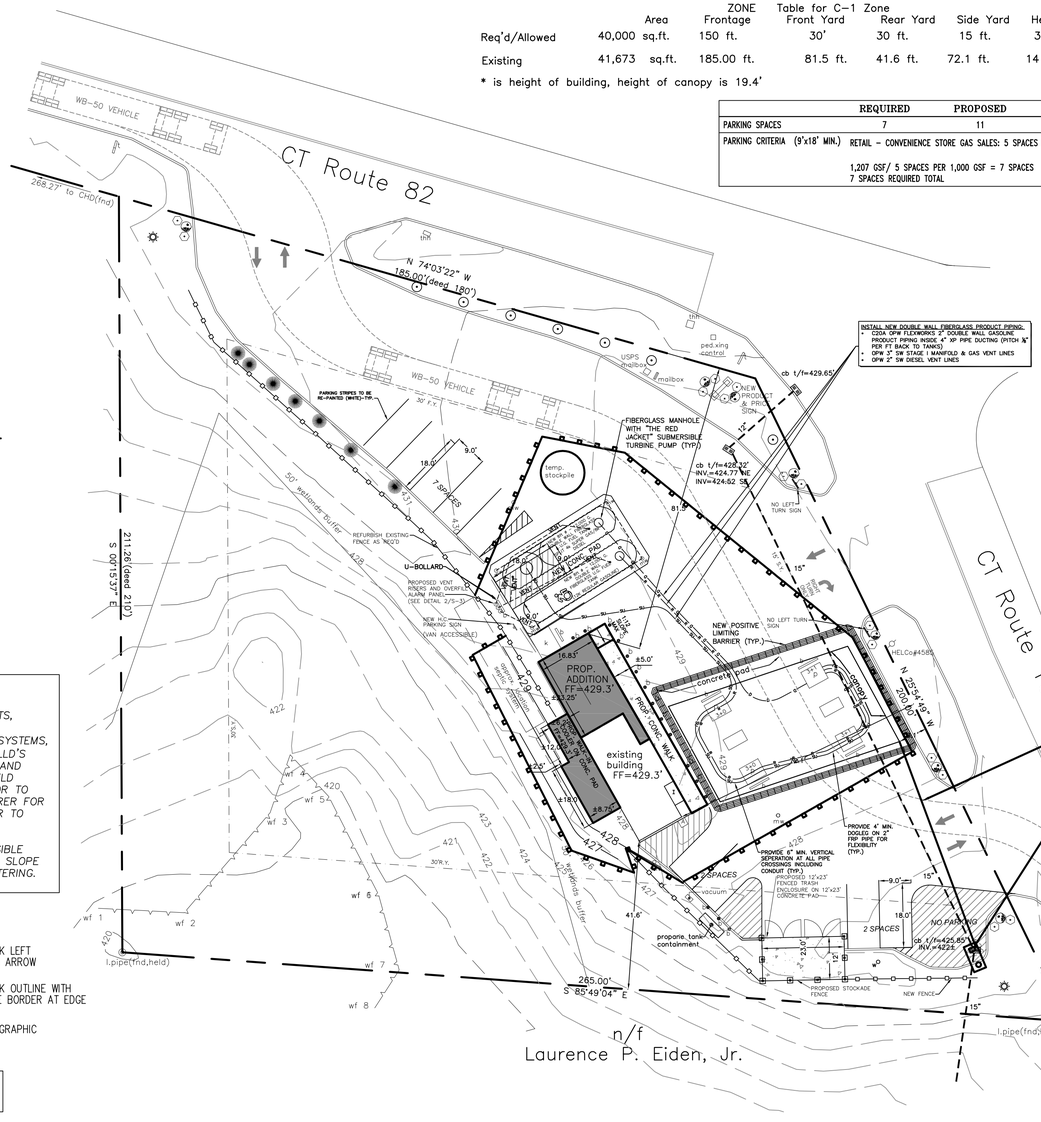
North Star Surveying & Engineering LLC
998 Farmington Avenue
West Hartford, CT 06107 860-2336312

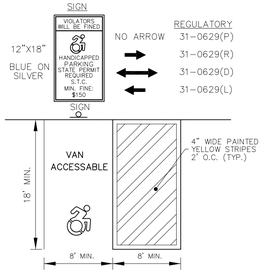
DRAWN	DATE	
RPM	6/23/2020	
APPROVED	DATE	
SCALE	SHEET	PROJECT NO.
1" = 20'	S-4	922

	Area	ZONE Frontage	Table for C–1 Zone Front Yard	Rear Yard	Side Yard	Height
Req'd/Allowed	40,000 sq.ft.	150 ft.	30'	30 ft.	15 ft.	35 ft.
Existing	41,673 sq.ft.	185.00 ft.	81.5 ft.	41.6 ft.	72.1 ft.	14 ft*

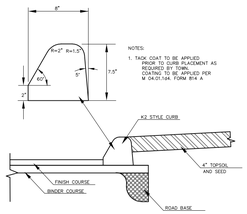
* is height of building, height of canopy is 19.4'

	REQUIRED	PROPOSED
PARKING SPACES	7	11
PARKING CRITERIA (9'x18' MIN.)	RETAIL – CONVENIENCE STORE GAS SALES: 5 SPACES PER 1,000 GSF 1,207 GSF/ 5 SPACES PER 1,000 GSF = 7 SPACES 7 SPACES REQUIRED TOTAL	

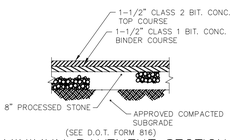




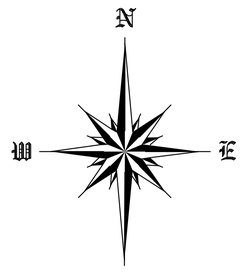
HANDICAPPED PARKING DETAIL
(VAN ACCESSIBLE)
N.T.S.

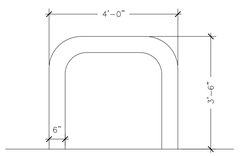


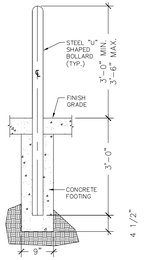
TYPE "K2"
BITUMINOUS CONCRETE
LIP CURB SECTION
NOT TO SCALE



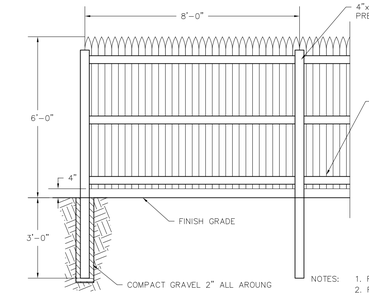
MINIMUM PAVEMENT SECTION
N.T.S.







U–BOLLARD DETAIL @ CANOPY/TANK VENTS
N.T.S.



STOCKADE FENCE AT TRASH ENCLOSURE
Not to Scale

NOTES:
1. FENCE TO BE 6 FT. HIGH
2. FINISHED SIDE OF FENCE TO FACE TOWARD ABUTTING PROPERTIES.
3. RAILS AND PICKETS TO BE PRESSURE TREATED.

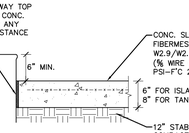
legend

- proposed bollard
- A air pump
- ice dipencer
- k kerosine tank & pump
- guard rail
- exist well
- exist stockade fence
- utility pole
- light pole
- catch basin
- mw moniter well
- P gas pump island
- evergreen tree
- traffic hand–hold
- wetlands demarcation
- traffic cntrl sign
- silt fence

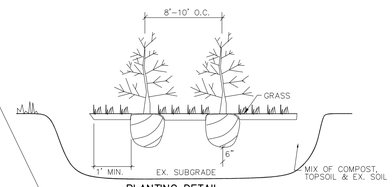
PROVIDE ½"x6" DECK–O–FOAM PEEL–AWAY TOP EXP. JOINT SEALER w/SIKAFLEX WHERE CONC. SLAB MEETS CURBS, PUMP ISLANDS OR ANY OTHER CONC. SLAB. MAINTAIN MAX. DISTANCE OF 50'–0" O.C. BETWEEN JOINTS

6" ROOF LEADER. CONNECT TO SEPERATOR (ALL EXISTING CANOPY RAIN LEADER PIPES TO BE CONNECTED)

INSTALL HS–20 1,500 GALLON OIL WATER / GRIT SEPERATOR BY UNITED CONCRETE PROD. OR APPROVED EQUAL TF. AND INVS TO BE SET IN FIELD



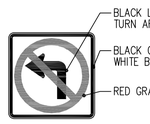
CONC. PAVEMENT & EXP. JOINT DETAIL
N.T.S.



PLANTING DETAIL
NOT TO SCALE

GENERAL NOTES:

1. *LOCATION OF LINES, VENTS, VEEDER ROOT, SENSORS, FUEL/TANK MONITORING SYSTEMS, IN–TANK PROBES AND PLLD'S SHOWN IS APPROXIMATE AND MAY VARY BASED ON FIELD CONDITIONS. CONTRACTOR TO VERIFY WITH MANUFACTURER FOR ACTUAL LOCATIONS PRIOR TO INSTALLATION.*
2. *CONTRACTOR IS RESPONSIBLE FOR ENSURING A STABLE SLOPE AND TEMPORARY DE–WATERING.*



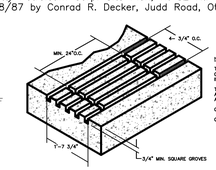
NO LEFT TURN SIGN
SHALL BE 24"W X 24"H

Notes:
1. The Survey Type is a Property Survey and the Boundary determination category is Resurvey.
2. North is based on Map reference #1.
3. Vertical datum is based on NAVD 88.
4. The property is in the C–1 District and the abutting property is in a residential District.
5. Area of the property = 41,673 sq. ft. = 0.95 ac.
6. Wetland delineation by Environmental Planning Services and field located by North Star Surveying & Engineering LLC.
7. Field topography was done during times of moderate snow cover. Catch basins were snow packed and other features may have been obscured.

Map References:
1. Proposed & Lot Subdivision, Property of & Prepared for Laurence Eiden, Conn. Route No. 82 & 168, Montville, Connecticut, Scale 1"=60', June 8,1993, rev. July 19,1993 & Sept. 13,1993, by Charles H. Dutch
2. Connecticut State Highway Department, Right of Way Map, Town of Montville, Raymond Hill Road from the Norwich–Hadlyme Road SoEasterly to Oxoboro Brook, Route No. 163, No. 85–02, sheet No. 1 of 8, Scale:1"=40'Dec. 31, 1936 rev. to October 4,1976.
3. Connecticut State Highway Department, Right of Way Map, Town of Montville, Norwich–Hadlyme Road from Gardner Lake M.E. Church Easterly about 5,800 feet. Route No. 153, No. 939, Sheet No. 1 of 2, Scale 1"=40', Sept. 30,1929 rev to November 28,1973.
4. Property of Gas Town Inc., Route 163 & Route 82, Montville, Conn. Surveyed for James A. Noble, Scale:1"=20', 12–6–71 by Edward J. Bazzell.
5. Getty Petroleum Corp. Site Plan, Rt 82 Rt. 163, Montville, CT 4/28/87 by Conrad R. Decker, Judd Road, Otis, Mass.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20–300b–1 THROUGH 20–300b–20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.ON SEPTEMBER 26,1996 AND CONFORMS TO HORIZONTAL ACCURACY CLASSIFICATION OF A–2 AND VERTICAL CLASSIFICATION OF T–2.

RICHARD P. MARTEL — 12882 LIC. No.



POSITIVE LIMITING BARRIER
SCALE: 3/4"=1'–0"

SEDIMENTATION AND EROSION CONTROL NOTES

1. ALL EROSION CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL FOR SOIL AND WATER CONSERVATION.
2. HAYBALES, IF USED, ARE TO BE BUTTED TIGHTLY END TO END AND STAKED IN PLACE USING TWO 2" X 2" X 36" WOODEN STAKES PER BALE.
3. ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED OR REPLACED DURING CONSTRUCTION AS NECESSARY.
4. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHOWN ON THESE PLANS. THIS RESPONSIBILITY INCLUDES IMPLEMENTATION AS WELL AS MAINTENANCE. ANY PROPOSED CHANGES TO THIS PLAN MUST BE APPROVED BY THE ENGINEER AND/OR THE PROPER LOCAL TOWN AGENCY.
5. ALL PROPOSED CATCH BASINS ARE TO BE RINGED WITH HAYBALES DURING CONSTRUCTION.
6. EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION, WHEREVER POSSIBLE.
7. AREAS TO BE LEFT BARE FOR MORE THAN 15 DAYS SHALL BE TREATED WITH AIR DRIED WOOD CHIP MULCH OR SEEDED WITH PERENNIAL RYE–GRASS UNTIL FINAL GRADING AND STABILIZATION IS TO TAKE PLACE.
8. ADDITIONAL EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CONSTRUCTION IF DEEMED NECESSARY OR ORDERED BY THE PROJECT ENGINEER OR THE PROPER LOCAL TOWN AGENT.
9. HAYBALES TO BE PLACED SO THAT STRING DOES NOT COME IN CONTACT WITH THE GROUND.
10. CONTRACTOR TO PERIODICALLY CLEAN CATCH BASIN SUMPS AS REQUIRED DURING CONSTRUCTION.

SEEDING SCHEDULE

ALL DISTURBED AREAS NOT PAVED OR LANDSCAPED SHALL BE LOAMED WITH A 4" MINIMUM OF TOPSOIL, SEED AS INDICATED BELOW. CONDITION SOIL WITH FERTILIZER APPLIED AT THE RATE OF 300 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE FEET USING 10–10–10 OR EQUIVALENT. IN ADDITION, 300 POUNDS OF 38–0–0 PER ACRE OR EQUIVALENT OF SLOW RELEASE NITROGEN MAY BE USED FOR TOPDRESSING. APPLY GROUND LIMESTONE (EQUIVALENT TO 50 PERCENT CALCIUM PLUS MAGNESIUM OXIDE) AT THE RATE OF 3 TONS PER ACRE OR 135 POUNDS PER 1000 SQ. FT.

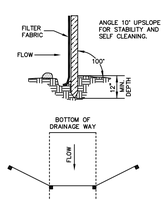
PERMANANT VEGETATION COVER

SEEDING DATES: APRIL 1 TO JUNE 1 AND AUGUST 15 TO SEPTEMBER 1
USE THE FOLLOWING MIXTURE:
KENTUCKY BLUEGRASS 45%
CREEPING RED FESCUE 45%
PERENNIAL RYEGRASS 10%
APPLY 1 POUND PER 1,000 SQ. FT. OR 45 POUNDS PER ACRE. WOOD CHIPS SHOULD BE APPLIED AT A RATE OF 500–900 POUNDS PER 1,000 SQ. FT. OR 10–20 TONS PER ACRE.

TEMPORARY VEGETATIVE COVER

SEEDING DATES: MARCH 1 TO JUNE 15 AND AUGUST 1 TO OCTOBER 1
ANNUAL RYEGRASS 100%
APPLY ONE POUND PER 1,000 SQ. FT. OR 40 POUNDS PER ACRE WITH ANCHORED HAY MULCH AT 2 TONS PER ACRE.

PROPOSED LANDSCAPE LEGEND				
SYMBOL	COMMON NAME	BOTANICAL NAME	QTY.	SIZE AT PLANTING
⊙	SUMMERSWEET	CLETHRA ALNIFOLIA	20	2 GAL.
◒	VIRGINIA SWEET	ITEA VIRGINICA	10	2 GAL.
⊙	GRACE HENDRICK PHILLIPS BOXWOOD	BUXUS MICROPHYLLA 'GRACE HENDRICK PHILLIPS'	9	2 GAL.



SOURCE: U.S. DEPARTMENT OF AGRICULTURE, SOIL CONSERVATION SERVICE, STORRS, CONNECTICUT

Placement & Construction Of A Synthetic Filter Barrier
N.T.S.

0' 20' 40' 60'

UNDERGROUND FUEL TANK INSTALLATION NOTES:

1. INSTALLATION MUST ADHERE TO:
   - CT DEEP "REGULATIONS OF CONNECTICUT STATE AGENCIES. UNDERGROUND STORAGE TANK REGULATIONS, SECTIONS 22a–449(d)–1. AND SECTIONS 22a–449(d) 101–113".
   - NFPA 30 "FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE"
   - NFPA 30A "CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES".
   - NFPA 10 "STANDARD FOR PORTABLE FIRE EXTINGUISHERS".
   - CONNECTICUT STATE BUILDING CODE.
   - FEDERAL UST REGULATIONS, SEE 40 CFR, PARTS 280 & 281 AS REVISED 10/2015.
   - NFPA 70 2014 EDITION.
   - PETROLEUM EQUIPMENT INSTITUTE GUIDELINES "RECOMMENDED PRACTICES FOR INSTALLATION OF UNDERGROUND LIQUID STORAGE SYSTEMS".
   - APPLICABLE LOCAL CODES.
   - MANUFACTURER'S RECOMMENDATIONS.
2. CONTRACTOR MUST COMPLETE ALL MANUFACTURER'S CHECK SHEETS AND PROVIDE COPIES TO OWNER AT COMPLETION OF WORK.
3. CONTRACTOR MUST USE PERSONNEL CERTIFIED BY ALL EQUIPMENT SUPPLIERS AS QUALIFIED TO PERFORM THE REQUIRED SCOPE OF WORK.
4. POST CONSTRUCTION FACILITY TESTING BY AN INDEPENDANT TESTING FIRM APPROVED BY OWNER TO INCLUDE:
   - PRECISON TESTING OF NEW PRODUCT LINES
   - PRESSURE DECAY TESTING OF SYSTEMS
   - ALL RESULTS TO BE DOCUMENTED AND DOCUMENTS PROVIDED TO OWNER AND AS REQUIRED TO REGULATORY AUTHORITIES.

NOTES:

1) ALL UNDERGROUND PLUMBING, ELECTRICAL CONNECTIONS AND CONDUITS ARE NEW AND TO BE CONNECTED TO NEW TANKS, POWER OF DISPENSERS, STP'S VEEDER ROOT AND FUEL/TANK MONITORING SYSTEMS. (CONTRACTOR TO SUPPLY NEW IN–TANK PROBES AND PLLD'S)

2) NEW DOUBLE WALL FIBERGLASS (1) 12,000 GALLON (12k REGULAR) AND (1) 12,000 GALLON (SPLIT 8k DIESEL/4k SUPER) TANKS WILL BE APPROX. 8'øx37'L.

3) CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, ELEC. EQUIPMENT AND LOCATIONS IN FIELD PRIOR TO START OF CONSTRUCTION.

4) LOCATION, ORIENTATION AND PLACEMENT OF GASOLINE TANKS MUST COMPLY WITH ALL ZONING REGULATIONS AND BUILDING CODES PER THE TOWN OF MONTVILLE, CT (OAKDALE, CT).

5) CONTRACTOR TO INSTALL NEW DISPENSERS AND SALVAGE EXISTING ISLAND FORMS.

6) CONTRACTOR TO INSTALL NEW ELECTRICAL AS NEEDED TO POWER NEW FUEL TANKS, VEEDER ROOT SUMP SENSORS AND FUEL/TANK MONITORING SYSTEMS.

7) CONTRACTOR TO BACKFILL TANK EXCAVATION AS PER MANUF. RECOMMENDATIONS.

8) CONTRACTOR TO FORM AND POUR NEW 8" THICK CONCRETE TANK MAT WITH WIRE MESH REINFORCEMENT AT NEW FUEL TANKS. MAT SIZE TO EXTEND 24" BEYOND EDGE OF TANKS ON ALL SIDES. (TYP.)

9) CONTRACTOR SHALL SAWCUT, REPAIR AND REPLACE ANY AND ALL DAMAGED/DISTURBED ASPHALT MATERIAL(S) AND CONC. MATS ASSOCIATED WITH THIS TANK AND PIPING PROJECT. DRIVE MATS MUST MAINTAIN MIN. 6" THICKNESS WITH WIRE MESH REINFORCEMENT. ALL NEW NEW ASPHALT TO MATCH EXISTING THICKNESS.

10) ALL FILL, VAPOR AND TLS RISERS TO BE 4" GALVANIZED PIPING.

11) REFER TO SHEET S–3 FOR TANK DETAILS AND SHEET S–4 FOR ELECTRICAL WIRING DIAGRAM AND DETAILS.

12) CONTRACTOR SHALL CALL "CALL BEFORE YOU DIG" AT 800–922–4455 OR 811 AT LEAST 72 HOURS PRIOR TO START OF CONSTRUCTION.

SITE PLAN
prepared for:
LEEMILT'S PETROLEUM, INC.
612 Norwich–Salem Turnpike (Route 82)
Oakdale (Montville), Connecticut

North Star Surveying & Engineering LLC
998 Farmington Avenue
West Hartford, CT 06107 860–233–6312

DRAWN	DATE	
RPM	6/23/2020	
APPROVED	DATE	
SCALE	SHEET	PROJECT NO.
1" = 20'	S–2	922