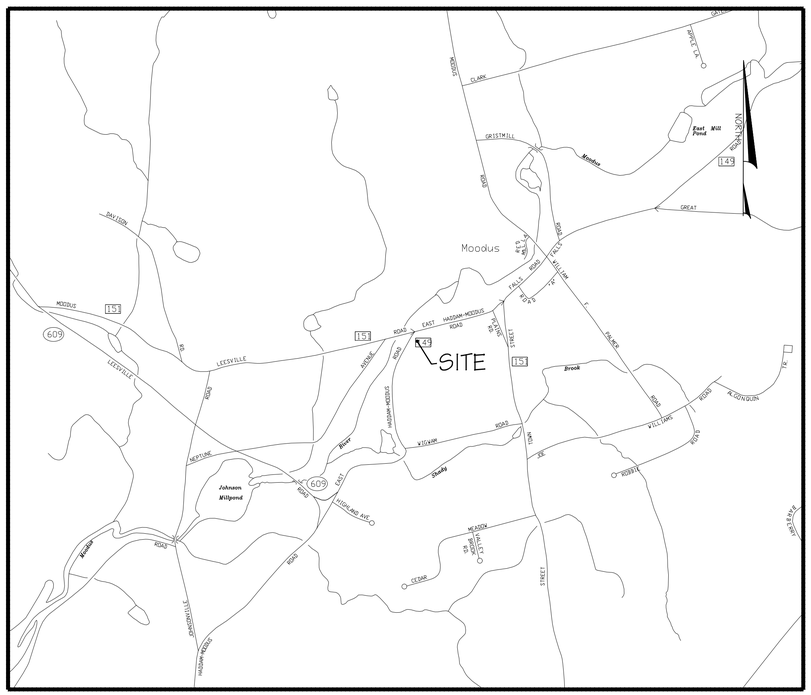
# MOODUS FOOD STOP

## PROJECT PLANS
## MOODUS FOOD STOP
## 416 EAST HADDAM - MOODUS ROAD (ROUTE 149)
## EAST HADDAM, CONNECTICUT

MARCH 4, 2025
REV. 12/3/2025




SCALE: 1" = 1000'

LIST OF DRAWINGS:

1. EXISTING CONDITIONS
2. SITE PLAN - SURFACE IMPROVEMENTS
3. SEPTIC SYSTEM DESIGN PLAN
4. STORMWATER MANAGEMENT & EROSION AND SEDIMENT CONTROL PLAN
5. DETAILS & NOTES
6. DETAILS & NOTES
7. DETAILS & NOTES

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION

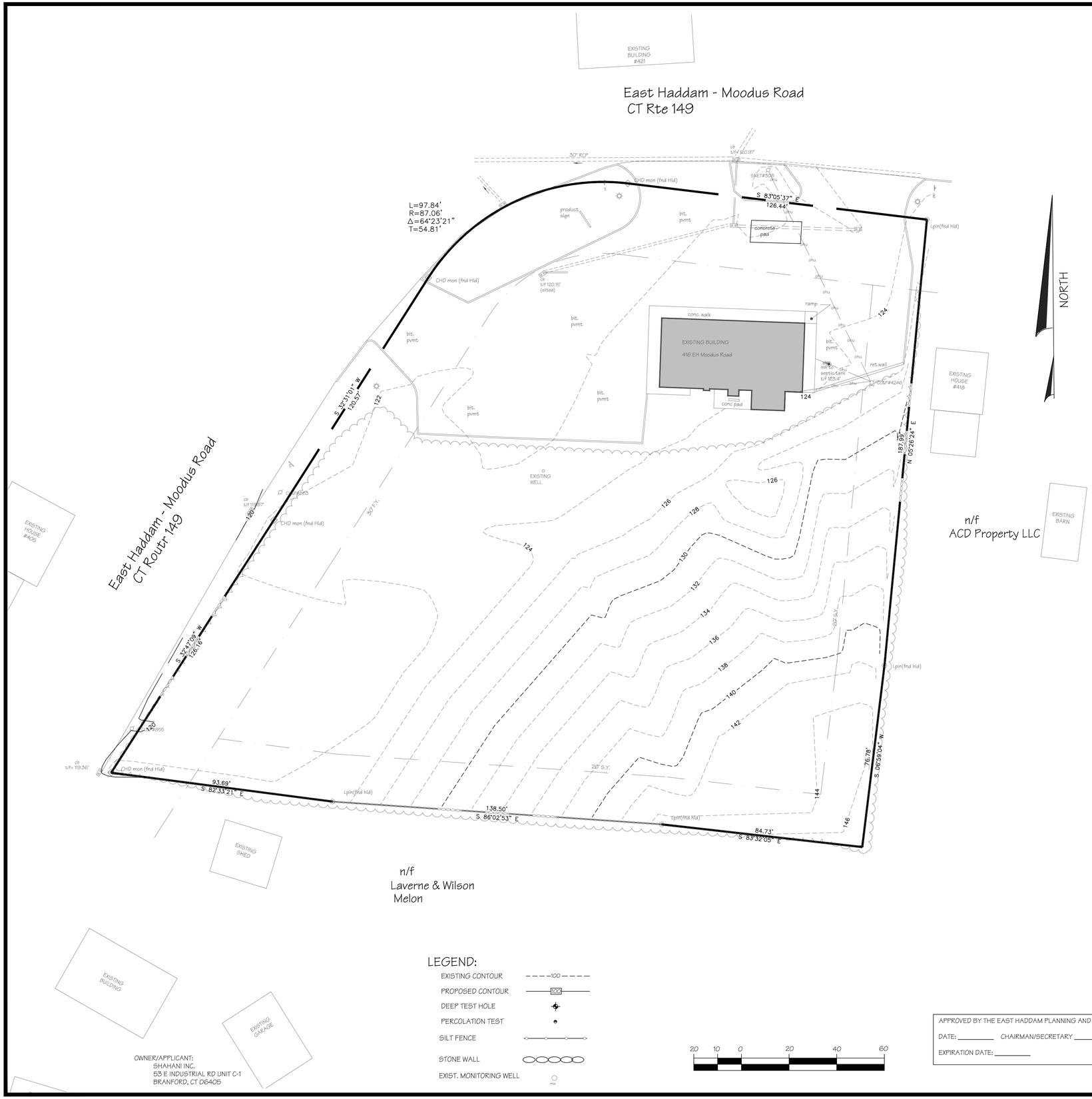
DATE: _____ CHAIRMAN/SECRETARY _____

EXPIRATION DATE: _____


OWNER/APPLICANT
SHAHANI, INC.
53 E. INDUSTRIAL PARK ROAD UNIT C-1
BRANFORD, CT 06405

NEMERGUT CONSULTING
235 ROUTE 80 - P.O. BOX 666
KILLINGWORTH, CONNECTICUT
06419

PHONE: 860.663.2384
NEMERGUTCONSULTING.COM




GENERAL NOTES:

1. THE AREA OF THE LOT IS 1.52 ACRES (66,376 S.F.).
2. THE PARCEL IS LOCATED WITHIN THE C3 COMMERCIAL ZONING DISTRICT.
3. THE PARCEL IS IDENTIFIED ON THE TAX ASSESSOR'S MAP AS LOT 64 MAP 64.
4. PROPERTY LINE AND TOPOGRAPHIC SURVEY INFORMATION TAKEN FROM A MAP ENTITLED "IMPROVEMENT LOCATION SURVEY RESURVEY PREPARED FOR SHAHANI INC. 416 EAST HADDAM-MOODUS ROAD, MOODUS, CONNECTICUT" DATED 6-25-21 AS PREPARED BY NORTH STAR SURVEYING & ENGINEERING LLC, WEST HARTFORD, CT.
5. THE PARCEL IS NOT LOCATED WITHIN A PUBLIC DRINKING WATER SUPPLY WATERSHED .
6. THIS PARCEL IS NOT LOCATED WITHIN A FLOOD HAZARD AREA.
7. THE PARCEL WILL BE SERVICED BY A TRANSIENT NON-COMMUNITY PUBLIC WELL AND AN ON-SITE SUBSURFACE SEWAGE DISPOSAL (SEPTIC) SYSTEM.

TOWN ENGINEER REVIEW NOTES

1. CONNECTICUT DEPARTMENT OF TRANSPORTATION (D.O.T.) REVIEW AND APROVAL WILL BE REQUIRED FOR THE PROPOSED CURB CUT MODIFICATIONS AND DISCHARGE OF SITE STORM WATER DRAINAGE INTO THE D.O.T. DRAINAGE SYSTEM IN RT.149. A D.O.T. ENCROACHMENT PERMIT WILL BE RQUIRED FOR ANY CONSTRUCTION WITHIN THE D.O.T. RIGHT OF WAY.
2. PRIOR TO CONSTRUCTION, DETAILS FOR THE PROPOSED RETAINING WALL SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
3. PRIOR TO CONSTRUCTION, DETAILS FOR THE PROPOSED 12,000 GALLON UNDERGROUND FUEL STORAGE TANKS ANDCONCRETE SLAB SHALL BE SUBMITTED TO THE FIRE MARSHALL AND BUILDING OFFICIAL FOR APPROVAL.

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION

DATE: _____ CHAIRMAN/SECRETARY _____

EXPIRATION DATE: _____

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KILLINGWORTH, CONNECTICUT
06419

PHONE: 860.663.2384
NEMERGUTCONSULTING.COM

STATE OF CONNECTICUT · ROGER D. NEMERGUT · NO. 10008 · REGISTERED PROFESSIONAL ENGINEER

ROGER D. NEMERGUT
PROFESSIONAL ENGINEER
LIC. NO. 10008

JASON A. NEMERGUT
PROFESSIONAL ENGINEER
LIC. NO. 26088

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# EXISTING CONDITIONS

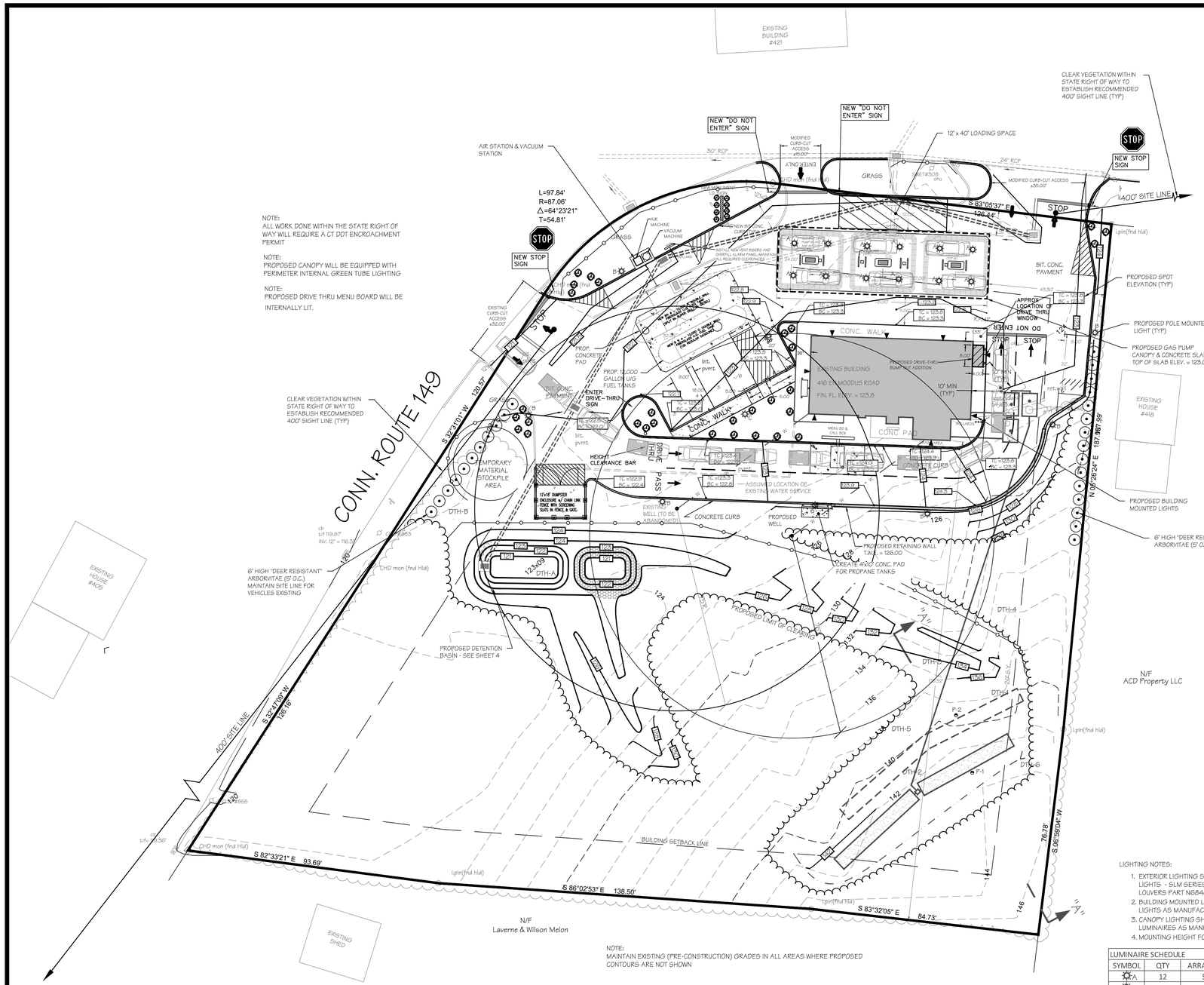
MOODUS FOOD STOP
416 EAST HADDAM - MOODUS ROAD
(ROUTE 149)
EAST HADDAM CONNECTICUT
MAP: 64 LOT: 64

DATE: 3-4-25
DRAWN BY: J.A.N.
CHECKED BY: R.D.N.
SCALE: 1" = 20'

| NO. | DATE | REVISIONS |
|---|---|---|
| 1 | 12/3/25 | TOWN ENG. REV. |

SHEET

1 OF 7




## ZONING ANALYSIS TABLE

ZONING DISTRICT: COMMERCIAL DISTRICT (C-3)-(Moodus Plains Road Area)
(GAS STATION/C-STORE USE SUBJECT TO APPROVAL BY SPECIAL EXCEPTION)

| ZONE CRITERIA | REQUIRED | PROPOSED |
|---|---|---|
| MINIMUM LOT AREA | 21,780 SQ. FT. | 66,376 SQ. FT. |
| MINIMUM LOT WIDTH | 100' | ±126.44' |
| MAXIMUM LOT COVERAGE (BLDGS.) | 20% | ±4.60% |
| MIN. FRONT YARD | 30' | ±9.16'* |
| MINIMUM SIDE YARD | 20' | ±43.30' |
| MINIMUM REAR YARD | 20' | ±178.32' |
| MAX. LOT IMPERVIOUS SURFACE COVER | 60% | ±7.85% |
| MINIMUM BUILDING HEIGHT | 30' MEAN / MAX. 40' | ±22.00' |
| MAX. / MIN. PARKING SPACES | 10 MAX. / 4 MIN. | 15 |

PARKING CRITERIA PROVIDED SIZE: 9'x18'

RETAIL:
MAX: 5 parking space for each 1,000 square feet of gross store floor area.

1,906 SF / 5 PER 1,000 SF = 10 TOTAL SPACES MAXIMUM ALLOWED

MIN: 2 parking space for each 1,000 square feet of gross store floor area.

1,906 SF / 2 PER 1,000 SF = 4 TOTAL SPACES MINIMUM REQUIRED

* SETBACK VARIANCE OBTAINED FROM THE ZONING BOARD OF APPEALS ON MARCH 4, 2024

## PROPOSED LANDSCAPE LEGEND

| SYMBOL | COMMON NAME | BOTANICAL NAME | QUANTITY | SIZE |
|---|---|---|---|---|
| | SUMMER SWEET | CLETHRA ALNIFOLIA | 18 | 2 GAL. |
| | VIRGINIA SWEET | ITEA VIRGINICA | 9 | 2 GAL. |
| | GRACE HENDRICK PHILLIPS BOXWOOD | BUXUS MICROPHYLLA 'GRAVE HENDRICK PHILLIPS' | 21 | 2 GAL. |

LIGHTING NOTES:

1. EXTERIOR LIGHTING SHALL BE POLE MOUNTED SLICE MEDIUM OUTDOOR LED AREA LIGHTS - SLM SERIES LSI INDUSTRIES, INC. CINCINNATI, OHIO. FIT LIGHTS WITH INTEGRAL LOUVERS PART N684812 FOR MAXIMUM BACK LIGHT CONTROL.
2. BUILDING MOUNTED LIGHTS SHALL BE NUVO 65-661 LED GOOSENECK BLACK FINISH LIGHTS AS MANUFACTURED BY SATCO NUVO, BRENTWOOD, NEW YORK 11717
3. CANOPY LIGHTING SHALL BE SCOTTSDALE VERTEX SLWPETROLEUM CANOPY LED LUMINAIRES AS MANUFACTURED BY LSI INDUSTRIES, INC. CINCINNATI, OHIO
4. MOUNTING HEIGHT FOR POLE MOUNTED LIGHTING =12 FEET.

LUMINAIRE SCHEDULE

| SYMBOL | QTY | ARRANGEMENT | DESCRIPTION | LLD | LDD | LLF | ARR. LUM. LUMENS | ARR. WATTS |
|---|---|---|---|---|---|---|---|---|
| A | 12 | SINGLE | CRUS-SC-SLW-50 MTD @ 15' DIMMED 60% | 1.000 | 1.000 | 0.400 | 5955 | 38 |
| B | 7 | SINGLE | SLM-LED-09L-SIL-FT-50-70CRI-IL-SINGLE-12' MT HGT DIMMED 70% | 1.000 | 1.000 | 0.300 | 6151 | 63 |
| C | 1 | SINGLE | SLM-LED-09L-SIL-5W-50-70CRI-SINGLE-12' MT HGT DIMMED 60% | 1.000 | 1.000 | 0.400 | 9450 | 63 |

LEGEND:

- EXISTING CONTOUR ---100---
- PROPOSED CONTOUR 100
- DEEP TEST HOLE
- PERCOLATION TEST
- SILT FENCE
- STONE WALL
- EXIST. MONITORING WELL mw

20 10 0 20 40 60

OWNER/APPLICANT:
SHAHANI INC.
53 E INDUSTRIAL RD UNIT C-1
BRANFORD, CT 06405

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION
DATE: _____ CHAIRMAN/SECRETARY _____
EXPIRATION DATE: _____


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235 ROUTE 80 - P.O. BOX 666
KILLINGWORTH, CONNECTICUT 06419
PHONE: 860.663.2384
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STATE OF CONNECTICUT ROGER D. NEMERGUT NO. 10008 REGISTERED PROFESSIONAL ENGINEER


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# SITE PLAN - SURFACE IMPROVEMENTS

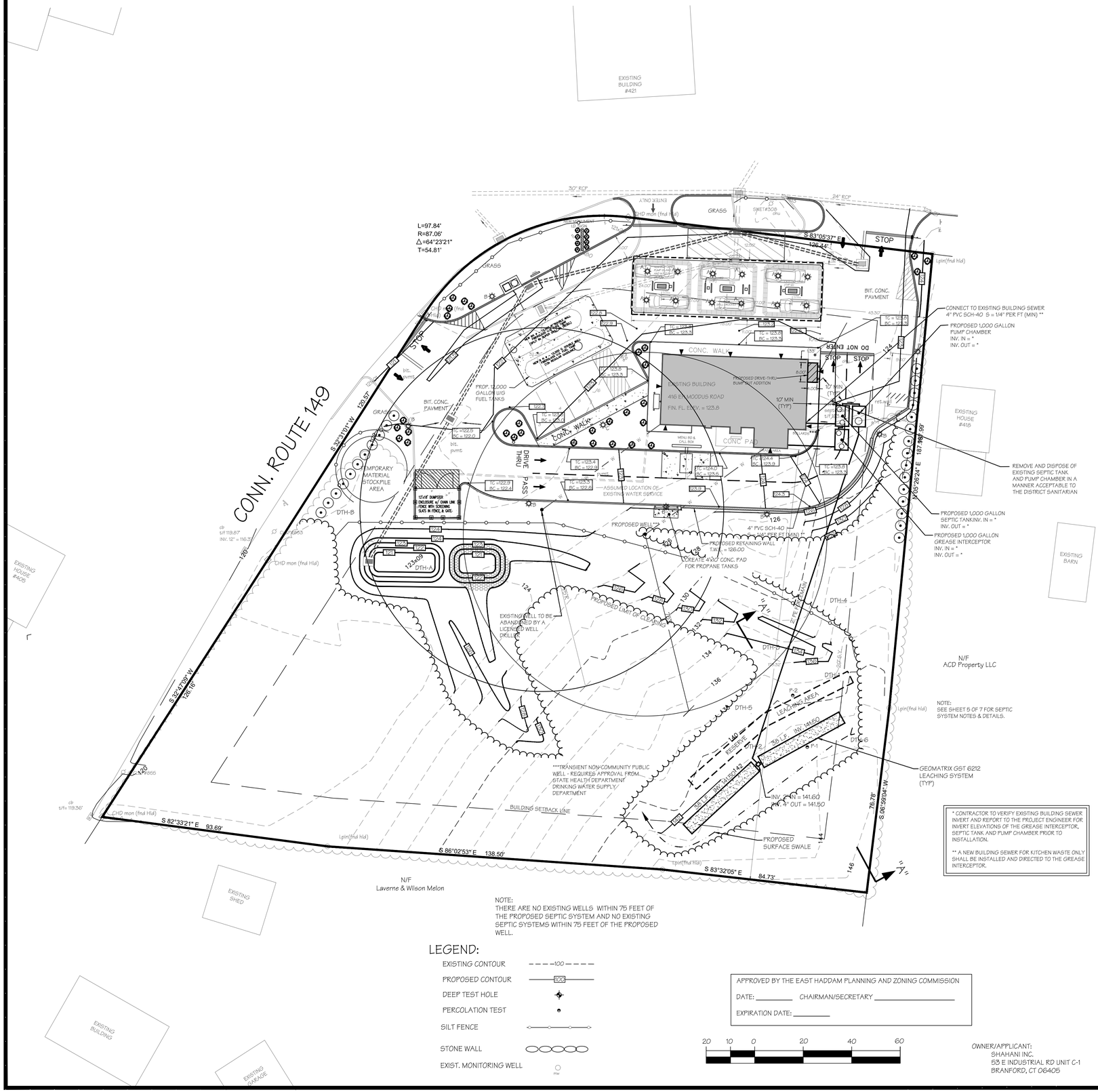
MOODUS FOOD STOP
416 EAST HADDAM - MOODUS ROAD
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EAST HADDAM CONNECTICUT
MAP: 64 LOT: 64

DATE: 3-4-25
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SCALE: 1" = 20'

| NO. | DATE | REVISIONS |
|---|---|---|
| 1 | 12/3/25 | TOWN ENG. REV. |

SHEET

2 OF 7




SOIL TEST RESULTS 1-24-25
CONDUCTED BY NEMERGUT CONSULTING
WITNESSED BY THE CHATHAM HEALTH DISTRICT (LIZ DAVIDSON)

**DEEP TEST HOLE 1**
0" - 7" TOPSOIL
7" - 16" BROWN MEDIUM LOAMY SAND WITH SMALL GRAVEL
MEDIUM TO COARSE GRAVELLY SAND, FIRM DAMP
16"-32" LIGHT BROWN COARSE GRAVELLY SAND, LOOSE
32"-75" LIGHT BROWN, ORANGE-BROWN MEDIUM AND COARSE GRAVELLY SAND WITH ROCKS, FIRM
NO REFUSAL
GROUNDWATER @ 68"
MOTTLING/REDOX @ 56"
ROOTS TO 56"

**DEEP TEST HOLE 2**
0" - 8" TOPSOIL
8" - 26" BROWN, ORANGE BROWN MEDIUM TO COARSE LOAMY SAND
26"-35" LIGHT BROWN COARSE SAND
35"-84" ORANGE BROWN, LIGHT BROWN COARSE SAND AND GRAVEL WITH ROCK AND ROTTEN ROCKS
NO REFUSAL
GROUNDWATER @ 68"
NO MOTTLING/REDOX - SOME IRON STAINING
ROOTS TO 80"
ROCKS THROUGHOUT

**DEEP TEST HOLE 3**
LEDGE @ 33"

**DEEP TEST HOLE 4**
LEDGE @ 20" (UNSUITABLE)

**DEEP TEST HOLE 5**
0" - 7" TOPSOIL
7" - 36" BROWN MEDIUM LOAMY SAND
36"-72" LIGHT BROWN MEDIUM TO COARSE GRAVELLY SAND WITH ROCKS AND GREY ROTTEN ROCKS
NO REFUSAL
NO GROUNDWATER
NO MOTTLING/REDOX
ROOTS TO 44"

**DEEP TEST HOLE 6**
0" - 8" TOPSOIL
8" - 28" BROWN ORANGE, BROWN FINE SANDY LOAM
36"-72" LIGHT BROWN COARSE GRAVELLY SAND WITH ROCKS, STONES AND COBBLES, A FEW GREY ROCKS
NO REFUSAL
NO GROUNDWATER
NO MOTTLING/REDOX
ROOTS TO 41"

| PERCOLATION TEST RESULTS | | | | PERCOLATION TEST RESULTS | | |
|---|---|---|---|---|---|---|
| JANUARY 27, 2023 | | | | JANUARY 27, 2023 | | |
| LOCATION: P-1 (DTH-5/6) | | | | LOCATION: P-2 (DTH-1/2) | | |
| HOLE DEPTH = 18" | | | | HOLE DEPTH = 28" | | |
| TIME | READING | CHANGE | | TIME | READING | CHANGE |
| 11:40 | 7 | --- | | 10:58 | 6 6/8 | --- |
| 11:46 | 11 7/8 | 4 7/8 | | 11:00 | 9 5/8 | 2 7/8 |
| 11:50 | 14 3/8 | 2 4/8 | | 11:02 | 11 4/8 | 1 7/8 |
| 11:55 | 16 7/8 | 2 4/8 | | 11:03 | 12 6/8 | 1 2/8 |
| 12:00 | 6 5/8 | -10 2/8 | | 11:04 | 14 | 1 2/8 |
| 12:05 | 10 3/8 | 3 6/8 | | 11:06 | 15 | 1 |
| 12:10 | 12 7/8 | 2 4/8 | | 11:08 | 15 7/8 | 7/8 |
| 12:15 | 14 6/8 | 1 7/8 | | 11:10 | 16 5/8 | 6/8 |
| 12:20 | 16 2/8 | 1 4/8 | | 11:11 | DRY | --- |
| 12:25 | DRY | --- | | | | |
| | | | | PERCOLATION RATE = | | |
| PERCOLATION RATE = | | | | 6.7 MINUTES PER INCH | | |
| 3.3 MINUTES PER INCH | | | | | | |

SOIL TEST RESULTS FOR PROPOSED DETENTION BASIN
PERFORMED BY NEMERGUT CONSULTING

DEEP TEST HOLE A
0" - 27" TOPSOIL
27" - 43" ORANGE BROWN FINE SILTY LOAM
43" - 52" GRAY FINE SANDY SILT
MOTTLING/REDOX @ 43"

DEEP TEST HOLE B
0" - 2" TOPSOIL
2" - 42" BROWN FINE-MEDIUM SILTY SAND
REFUSAL @ 42" NORTH/ 36" SOUTH
NO GROUNDWATER AT 82"
NO MOTTLING/REDOX

SHAHANI, INC. 416 EAST HADDAM-MOODUS ROAD, EAST HADDAM, CT

BASIS FOR SEPTIC SYSTEM DESIGN

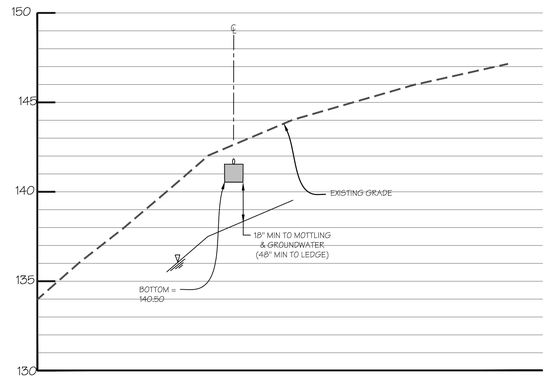
1. CONVIENIENCE STORE/GAS STATION
1,898 S.F. @ 0.1 GAL./S.F./DAY 190 GAL./DAY
EFFECTIVE LEACHING SYSTEM AREA REQUIRED =
190 GAL/DAY / 1.5 GAL/S.F/DAY = 127 S.F
2. TAKE OUT--DRIVE THROUGH - COFFEE/DONUTS & FRIED CHICKEN
100 TAKEOUTS/DAY X 5 GAL. TAKEOUT = 500 GAL/DAY
EFFECTIVE LEACHING SYSTEM AREA REQUIRED =
500 GAL/DAY / 0.8 GAL/S.F./DAY 625 S.F

TOTL E.L.A. REQUIRED = 127 S.F. + 625 S.F = 752 S.F.
USE 76 L.F OF GST 6212 @ 10 SF/L.F. = 760 S.F.

MINIMUM LEACHING SYSTEM SPREAD

M.L.S.S. = HYDRAULIC FACTOR X FLOW FACTOR X PERCOLATION FACTOR
HYDRAULIC FACTOR = 10 (RECEIVING SOIL DEPTH = 48.1" TO 60.0"*)
(HYDRAULIC GRADIENT = > 15%)
FLOW FACTOR = 600 GAL./DAY) /300 = 2.3
PERCOLATION FACTOR = 1.0 (0.1 TO 10.0 MIN./INCH)
M.L.S.S. = 10 X 2.3 X 1.0 = 23 L.F.
L.S.S. PROVIDED = 76 L.F.

*6 HOLE AVERAGE = (56" + 60" + 33" + 20" + 60" + 60") / 6 = 48.1"




SECTION "A - A"
SCALE: 1"= 20' H. & 1"= 4' V.

NEMERGUT CONSULTING
235 ROUTE 80 - P.O. BOX 666
KILLINGWORTH, CONNECTICUT
06419
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STATE OF CONNECTICUT ROGER D. NEMERGUT NO. 10008 REGISTERED PROFESSIONAL ENGINEER

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# SEPTIC SYSTEM DESIGN PLAN

MOODUS FOOD STOP
416 EAST HADDAM - MOODUS ROAD
(ROUTE 149)
EAST HADDAM CONNECTICUT
MAP: 64 LOT: 64

DATE: 3-4-25
DRAWN BY: J.A.N.
CHECKED BY: R.D.N.
SCALE: 1" = 20'

| NO. | DATE | REVISIONS |
|---|---|---|
| 1 | 12/3/25 | TOWN ENG. REV. |

SHEET

3 OF 7

DETENTION BASIN MAINTENANCE SCHEDULE:

DURING CONSTRUCTION

THE DETENTION BASIN AND OUTLET STRUCTURE SHOULD BE INSPECTED WEEKLY AND AFTER ANY MAJOR STORM EVENT AS INDICATED IN THE EROSION CONTROL NARRATIVE. DEBRIS AND ACCUMULATED SILT AND SEDIMENT SHALL BE REMOVED AS NEEDED.

SILT AND SEDIMENT SHALL BE REMOVED FROM THE DETENTION BASIN PRIOR TO SEEDING. AFTER SEEDING THE DETENTION BASIN SHALL BE INSPECTED TO ENSURE THAT THE SEEDING HAS GERMINATED.

AFTER CONSTRUCTION

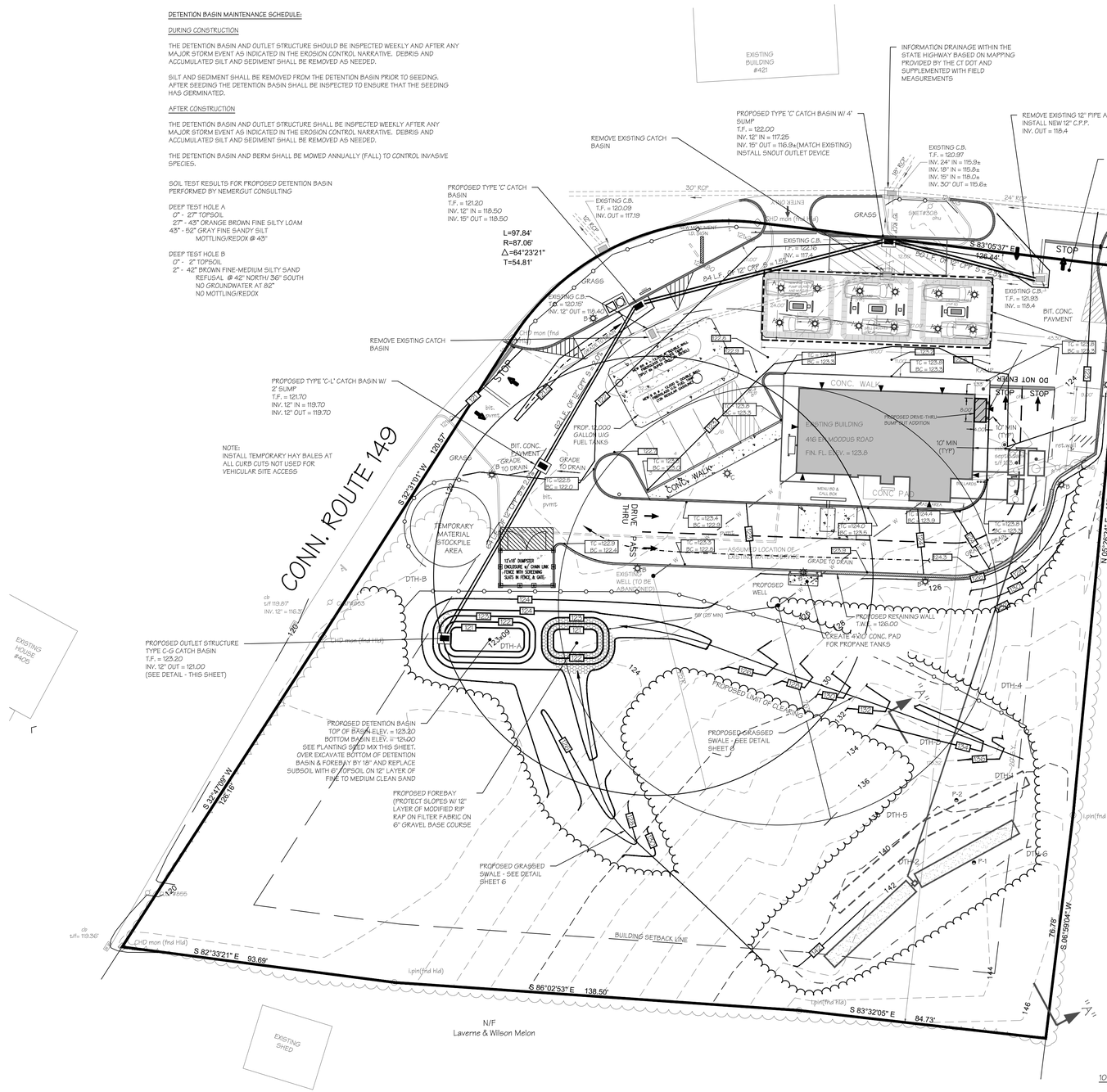
THE DETENTION BASIN AND OUTLET STRUCTURE SHALL BE INSPECTED WEEKLY AFTER ANY MAJOR STORM EVENT AS INDICATED IN THE EROSION CONTROL NARRATIVE. DEBRIS AND ACCUMULATED SILT AND SEDIMENT SHALL BE REMOVED AS NEEDED.

THE DETENTION BASIN AND BERM SHALL BE MOWED ANNUALLY (FALL) TO CONTROL INVASIVE SPECIES.

SOIL TEST RESULTS FOR PROPOSED DETENTION BASIN PERFORMED BY NEMERGUT CONSULTING

DEEP TEST HOLE A
0" - 27" TOPSOIL
27" - 43" ORANGE BROWN FINE SILTY LOAM
43" - 52" GRAY FINE SANDY SILT
MOTTLING/REDOX @ 43"

DEEP TEST HOLE B
0" - 2" TOPSOIL
2" - 42" BROWN FINE-MEDIUM SILTY SAND
REFUSAL @ 42" NORTH/ 36" SOUTH
NO GROUNDWATER AT 82"
NO MOTTLING/REDOX




LEGEND:

EXISTING CONTOUR ---100---
PROPOSED CONTOUR 102
DEEP TEST HOLE
PERCOLATION TEST
SILT FENCE
STONE WALL

OWNER/APPLICANT:
SHAHANI INC.
53 E INDUSTRIAL RD UNIT C-1
BRANFORD, CT 06405

20 10 0 20 40 60

## DETENTION BASIN SEED MIX

**NEW ENGLAND WETLAND PLANTS, INC**
14 Pearl Lane South Hadley, MA 01075
PHONE: 413-548-8000 FAX 413 549-4000
EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

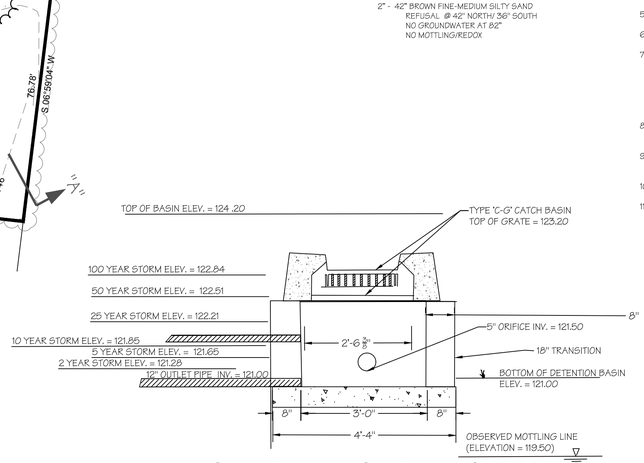
**New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites**

| Botanical Name | Common Name | Indicator |
|---|---|---|
| *Elymus riparius* | Riverbank Wild Rye | FACW |
| *Schizachyrium scoparium* | Little Bluestem | FACU |
| *Festuca rubra* | Red Fescue | FACU |
| *Andropogon gerardii* | Big Bluestem | FAC |
| *Panicum virgatum* | Switch Grass | FAC |
| *Vernonia noveboracensis* | New York Ironweed | FACW+ |
| *Agrostis perennans* | Upland Bentgrass | FACU |
| *Bidens frondosa* | Beggar-Ticks | FACW |
| *Eupatorium maculatum (Eutrochium maculatum)* | Spotted Joe Pye Weed | OBL |
| *Eupatorium perfoliatum* | Boneset | FACW |
| *Aster novae-angliae (Symphyotrichum novae-angliae* | New England Aster | FACW- |
| *Solirpa cyperinus* | Wool Grass | FACW |
| *Juncus effusus* | Soft Rush | FACW+ |

APPLY: 35 LBS/ACRE (1,232 sq ft/lb

The New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites contains a selection of native grasses and wildflowers designed to colonize generally moist, recently disturbed sites where quick growth of vegetation is desired to stabilize the soil surface. It is an appropriate seed mix for ecologically sensitive restorations that require stabilization as well as long-term establishment of native vegetation. This mix is particularly appropriate for detention basins that do not hold standing water. Many of the plants in this mix can tolerate infrequent inundation, but not constant flooding. The mix may be applied by hand, by mechanical spreader, or by hydro-seeder. After sowing, lightly rake, roll or cultipack to insure good seed-to-soil contact. Best results are obtained with a Spring or late Summer seeding. Late Fall and Winter dormant seeding requires an increase in the application rate. A light mulching of clean, weed-free straw is recommended

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is $/bulk pound, FOB warehouse, Plus SH and applicable taxes.




## NORTH DETENTION BASIN OUTLET DEVICE DETAIL

NOT TO SCALE

EROSION AND SEDIMENT CONTROL NARRATIVE

PROJECT DESCRIPTION:

THE PROPOSED PROJECT CONSISTS OF THE RENOVATION OF AN EXISTING CONVENIENCE STORE/GAS STATION AND ADDITION OF A DRIVE THROUGH FOOD SERVICE AT 416 MOODUS-LEESVILLE ROAD.
THE TOTAL AREA OF THE PROPOSED DEVELOPMENT IS 1.52 ACRES.
THE INSTALLATION OF FUEL TANKS, PUMPS AND THE CONSTRUCTION OF A CANOPY. (THE PREVIOUS TANKS, PUMPS AND CANOPY WERE PREVIOUSLY REMOVED.
THERE ARE NO WETLANDS OR WATERCOURSES LOCATED ON THE PARCEL.
THE PROJECT WILL BE SERVED BY A WELL AND ONSITE SUBSURFACE SEWAGE DISPOSAL SYSTEM.

DESCRIPTION OF EXISTING SITE CONDITIONS:

THE SITE CURRENTLY HAS A VACANT BUILDING THAT WAS ONCE A GAS STATION/CONVENIENT STORE THE TOPOGRAPHY OF THE SITE IS FLAT WHERE THE PROPOSED IMPROVEMENTS ARE, WITH MODERATE SLOPES BEHIND THE BUILDING AND PARKING.

CONSTRUCTION SCHEDULE:

CONSTRUCTION WOULD COMMENCE THIS SPRING (DEPENDING ON THE TIMING OF FINAL LAND USE APPROVALS) AND BE COMPLETED BY THE END OF THE SUMMER.

RECOMMENDED SEQUENCE OF CONSTRUCTION:

1. INSTALL EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN ON THE APPROVED SITE PLANS.
2. THE CONTRACTOR SHALL NOTIFY THE TOWN PLANNER/ ZONING ENFORCEMENT OFFICER AFTER THE EROSION AND SEDIMENT CONTROL MEASURES ARE IN PLACE AND AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
3. SINCE THE PROJECT SITE IS CURRENTLY DEVELOPED, CLEARING AND GRUBBING OPERATIONS WILL BE MINIMAL. COMMENCE CLEARING AND GRUBBING OPERATIONS AND STOCKPILE TOPSOIL IN AREAS DESIGNATED ON THE SITE PLAN. ANY STUMPS OR VEGETATION REMOVED ARE TO BE DISPOSED OF OFF SITE.
4. ROUGH GRADE PROPOSED CONSTRUCTION AREA ENTRANCES AND PARKING AREAS.
5. INSTALL UNDERGROUND UTILITIES INCLUDING DRAINAGE AND STORMWATER DETENTION BASIN AND SWALES
6. INSTALL SEPTIC SYSTEM.
7. DRILL WELL.
8. INSTALL NEW UNDERGROUND FUEL TANKS
9. PAVE PARKING AND AND ENTRANCES.
10. INSTALL PLANTING AND TOPSOIL, SEED & MULCH ALL OTHER DISTURBED AREAS.
11. REMOVE EROSION CONTROL MEASURES IMMEDIATELY AFTER A PERMANENT VEGETATIVE COVER HAS BEEN ESTABLISHED ON DISTURBED AREAS.

DESIGN CRITERIA AND CONSTRUCTION DETAILS:

SEE PLANS FOR CONSTRUCTION DETAILS.

FILTER FABRIC SILT FENCE IS TO BE USED TO INTERCEPT AND CONTAIN SOIL EROSION RESULTING FROM SURFACE RUNOFF OVER TEMPORARILY DISTURBED AREAS.

ANTI TRACKING PADS WILL BE INSTALLED AT ALL POINTS WHERE CONSTRUCTION EQUIPMENT EXITS THE SITE. THE ANTI TRACKING PADS WIL BE LOCATED AT TRANSITION POINTS FROM DISTURBED GROUND ONTO PAVED SURFACES SO AS TO ELIMINATE TRACKING SOIL ONTO ANY ROAD OR DRIVEWAY SURFACES. THESE ANTI-TRACKING PADS (BROKEN STONE WHEEL CLEANERS) ARE TO BE INSTALLED AT TEMPORARY CONSTRUCTION ENTRANCES TO SHAKE SILT OFF OF CONSTUCTION VEHICLE TIRES AND MINIMIZE THE AMOUNT OF SILT TRACKED ONTO PAVED ROADS INCLUDING EAST HADDAM - MOODUS ROAD (CT RT 149).

"SILT SACK" CATCHBASIN INSERT BAGS SHALL BE INSTALLED ON ALL PROPOSED CATCH BASINS, AS WELL AS EXISTING CATCH BASINS THAT ARE SUBJECT TO RECEIVING SILTATION DURING THE CONSTRUCTION PROCESS.

MAINTENANCE PROGRAM:

FILTER FABRIC SILT FENCE IS TO BE INSPECTED WEEKLY AND IMMEDIATELY AFTER A RAINFALL EVENT OF 1" OR MORE IN A 24 HOUR PERIOD AND/OR DURING A MAJOR STORM EVENT. DETENTION BASIN FOREBAY SHALL BE INSPECTED ON AN ANNUAL BASIS AND IMMEDIATELY AFTER A MAJOR STORM EVENT.
(A MAJOR STORM EVENT IS DEFINED AS A STORM PREDICTED BY THE NATIONAL OFFICE OF ATMOSPHERIC ADMINISTRATION WEATHER SERVICE WITH WARNINGS OF FLOODING, SEVERE THUNDERSTORMS, OR SIMILARLY SEVERE WEATHER CONDITIONS.
REPAIR, OR REPLACE, SILT FENCE AS NECESSARY. CLEAN ACCUMULATED SILT AWAY FROM SILT FENCE WHEN A DEPTH OF 6" IS REACHED OR AS NECESSARY TO MAINTAIN STRUCTURAL INTEGRITY AND EFFECTIVENESS. CLEAN OUT DETENTION BASIN AND FOREBAY AS NECESSARY.

ANTI - TRACKING PAD SHALL BE INSPECTED DAILY AND RENEWED WITH ADDITIONAL LAYERS OF BROKEN STONE AS REQUIRED TO MAINTAIN ITS EFFECTIVENESS.

"SILT SACK" CATCH BASIN INSERT BAGS SHALL BE INSPECTED AFTER MAJOR STORM EVENTS. IN THE ABSENCE OF MAJOR STORM EVENTS, THE "SILT SACKS" SHALL BE INSPECTED WEEKLY. REMOVE ACCUMULATED SILT AND REPAIR OR REPLACE AS NECESSARY. THE PERSON RESPONSIBLE FOR OVERSEEING AND MONITORING OF THE EROSION AND SEDIMENT CONTROL MEASURES IS THE APPLICANT, MOHAMMAD KHAN PHONE NO. 203-627-0025.

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL WORK SHALL BE PERFORMED IN COMPLIANCE WITH THESE DRAWINGS AND CONDITIONS OF THE NORTH BRANFORD PLANNING AND ZONING COMMISSION.
2. WORK RELATING TO EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE DETAILS AND CONSTRUCTION METHODS ON THESE DRAWINGS AND AS OUTLINED IN THE 2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.
3. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF EXCAVATION OR FILL OPERATIONS IN UPHILL AREAS.
4. ALL WORK DISTURBED BY CONSTRUCTION SHALL BE TOPSOILED (6" MINIMUM DEPTH), SEEDED AND MULCHED AS SOON AS PRACTICABLE AFTER THE COMPLETION OF CONSTRUCTION IN THAT AREA. NATURAL VEGETATION IN UNDISTURBED AREAS SHALL BE RETAINED AND PROTECTED.
5. ALL SLOPES IN CUT AND FILL AREAS SHALL BE 2H:1V MAXIMUM UNLESS NOTED OTHERWISE ON THE PLAN.
6. EROSION AND SEDIMENT CONTROL DEVICES SHALL NOT BE REMOVED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED ON UPHILL AREAS.
7. RECOMMENDED SEED MIXTURE ON DISTURBED AREAS (UNLESS NOTED OTHERWISE ON THE SITE PLAN) SHALL BE: CREEPING RED FESCUE (PENN LAWN, WINTERGREEN) - 1.90 LBS PER 1000 S.F.); RED TOP (STREEKER, COMMON) - 0.20 LBS.PER 1,000 S.F. ; AND TALL FESCUE (KENTUCKY 31) OR SMOOTH BROMEGRASS (SARATOGA, LINCOLN) - 1.90 LBS. PER 1,000 S.F.. RECOMMENDED SEEDING DATES ARE MARCH 15 THROUGH JUNE 15 AND AUGUST 15 THROUGH OCTOBER 15. USE HAY MULCH ON ALL SEEDED AREAS FOR MOISTURE RETENTION.
8. DISTURBED AREAS SHALL NOT BE SEEDED OUTSIDE OF THE RECOMMENDED SEEDING DATES, BUT SHALL BE TEMPORARILY STABILIZED WITH HAY MULCH UNTIL A PERMANENT SEEDING DURING RECOMMENDED SEEDING DATES CAN TAKE PLACE.
9. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED PERIODICALLY, PARTICULARLY AFTER A RAINFALL EVENT, AND REPAIRED, MAINTAINED BY THE APPLICANT AS REQUIRED.
10. LIME AND FERTILIZER APPLICATION RATES SHALL BE BASED UPON THE RESULTS OF SOIL SAMPLE TESTS PERFORMED BY THE APPLICANT.
11. MINIMUM TOPSOIL DEPTH IN AREAS TO BE SEEDED SHALL BE 6".

SOIL TEST RESULTS FOR PROPOSED DETENTION BASIN PERFORMED BY NEMERGUT CONSULTING

DEEP TEST HOLE A
0" - 27" TOPSOIL
27" - 43" ORANGE BROWN FINE SILTY LOAM
43" - 52" GRAY FINE SANDY SILT
MOTTLING/REDOX @ 43"

DEEP TEST HOLE B
0" - 2" TOPSOIL
2" - 42" BROWN FINE-MEDIUM SILTY SAND
REFUSAL @ 42" NORTH/ 36" SOUTH
NO GROUNDWATER AT 82"
NO MOTTLING/REDOX

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION

DATE: _____ CHAIRMAN/SECRETARY _____

EXPIRATION DATE: _____


NEMERGUT CONSULTING
235 ROUTE 80 - P.O. BOX 666
KILLINGWORTH, CONNECTICUT 06419
PHONE: 860.663.2384
NEMERGUTCONSULTING.COM


STATE OF CONNECTICUT ROGER D. NEMERGUT NO. 10008 REGISTERED PROFESSIONAL ENGINEER


ROGER D. NEMERGUT
PROFESSIONAL ENGINEER
LIC. NO. 10008

JASON A. NEMERGUT
PROFESSIONAL ENGINEER
LIC. NO. 26088



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# STORMWATER MANAGEMENT PLAN & EROSION AND SEDIMENT CONTROL PLAN

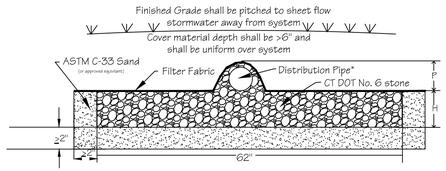
MOODUS FOOD STOP
416 EAST HADDAM - MOODUS ROAD
(ROUTE 149)
EAST HADDAM CONNECTICUT
MAP: 64 LOT: 64

DATE: 3-4-25
DRAWN BY: J.A.N.
CHECKED BY: R.D.N.
SCALE: 1" = 20'

| NO. | DATE | REVISIONS |
|---|---|---|
| 1 | 12/3/25 | TOWN ENG. REV. |

SHEET

4 OF 7




"H= 6" (GST6206)
12" (GST6212)
18" (GST6218)
24" (GST6224)
30" (GST6230)
36" (GST6236)

"P= 5.5"

*3" min. I.D., ASTM D-3034, SDR 35 pipe for gravity applications

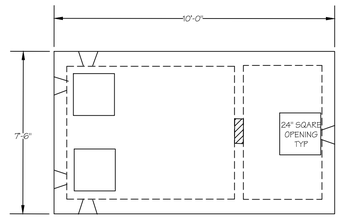
GEOMATRIX CONTACT INFORMATION:
DAVID POTTS (GEOMATRIXLLC.COM)
860-227-0636

## GEOMATRIX GST LEACHING SYSTEM

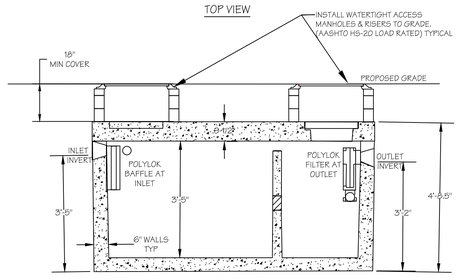
B-B' CROSS SECTION

ASTM C-33 SAND SPECIFICATIONS

| SIEVE SIZE | SPECIFICATION PERCENT PASSING DRY SIEVE |
|---|---|
| 0.375" | 100.0–100.0 |
| #4 | 95.0 – 100.0 |
| #8 | 80.0 – 100.0 |
| #16 | 50.0 – 85.0 |
| #30 | 25.0 – 60.0 |
| #50 | 5.0 – 30.0 |
| #100 | < 10.0 |
| #200 | < 3.0 |




TOP VIEW

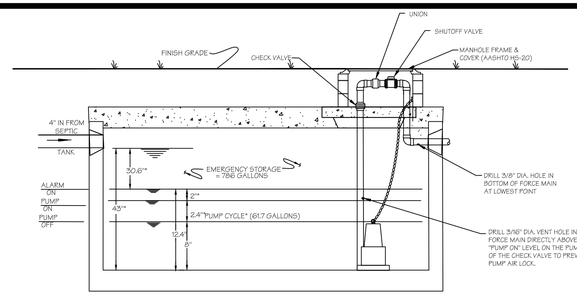



SIDE VIEW
(SECTION A-A)

## 1250 GALLON HEAVY DUTY SEPTIC TANK DETAIL (MONOLITHIC)

NOT TO SCALE

NOTE: SEPTIC TANK SHALL BE 1250 GALLON HEAVY DUTY (AASHTO H-20 LOAD RATED) AS MANUFACTURED BY UNITED CONCRETE PRODUCTS, INC. OR APPROVED EQUAL.




*IF OTHER THAN UNITED CONCRETE PRODUCTS, INC. PUMP CHAMBER IS USED, ADJUST THESE LEVELS ACCORDINGLY

## 1000 GALLON PUMP CHAMBER

5'-2 3/4" HIGH X 6'-2" WIDE X 8'-5" LONG PRECAST CONCRETE (MONOLITHIC) PUMP CHAMBER WITH BUTYL RUBBER MASTIC TYPE SEAL (AASHTO M-198) AND POLYLOCK II PIPE SEALS AS MANUFACTURED BY UNITED CONCRETE PRODUCTS, INC. YALESVILLE, CT (203-269-3119)

PUMP CHAMBER NOTES:

1. SEPTIC EFFLUENT PUMP SHALL BE SIMPLEX SUBMERSIBLE EFFLUENT PUMP, MODEL WE2512, 1/3 HP, 230 VOLT SINGLE PHASE PUMP AS MANUFACTURED BY GOULD PUMPS INC, SENECA, NEW YORK OR APPROVED EQUAL.
2. FORCE MAIN SHALL BE 2" DIAMETER P.E. PRESSURE PIPE (ASTM D2239) 100 P.S.I. RATING (UNLESS NOTED OTHERWISE ON THE PLAN). MINIMUM COVER OVER FORCE MAIN SHALL BE 48".
3. MERCURY-FREE LEVEL CONTROL SWITCHES, HIGH LEVEL LIQUID ALARM AND CHECK VALVE SHALL BE AS MANUFACTURED BY GOULD PUMPS, INC. OR APPROVED EQUAL.
4. PUMP ALARM SHALL BE WIRED ON A SEPARATE BRANCH CIRCUIT FROM THE PUMP CIRCUIT. THE PUMP CIRCUIT SHALL BE PROTECTED WITH A GROUND FAULT CIRCUIT INTERRUPTOR (G.F.C.I.). ELECTRICAL WORK RELATING TO PUMP INSTALLATION SHALL REQUIRE A SEPARATE BUILDING (ELECTRICAL) PERMIT.
5. PUMP CHAMBER AND SEPTIC TANK SHALL BE PRECAST CONCRETE UNITS OF THE SIZE INDICATED ON THE DESIGN PLANS AND SHALL BE TESTED FOR WATER TIGHTNESS OF JOINTS AND OTHER OPENINGS PRIOR TO BACKFILLING.
6. THE MANUFACTURER SHALL SEAL ALL CHAMBERS/TANKS JOINTS WITH A BUTYL JOINT SEALER, PIPE FITTINGS THROUGH THE UNITS SHALL BE RUBBER BOOT PIPE SEALS SECURED WITH STAINLESS STEEL CLAMPS.
7. IT SHALL BE THE INSTALLER'S RESPONSIBILITY TO PROVIDE A WATER TIGHT INSTALLATION TO ENSURE THAT GROUNDWATER INFILTRATION DOES NOT GET PUMPED INTO THE LEACHING SYSTEM.
8. LIMIT DISCHARGE CYCLE VOLUME TO 20% OF THE LEACHING SYSTEM INTERNAL STORAGE CAPACITY = 20% x 45.4 GAL/UNIT x 7 UNITS = 63.6 GAL / CYCLE.

GENERAL NOTES:

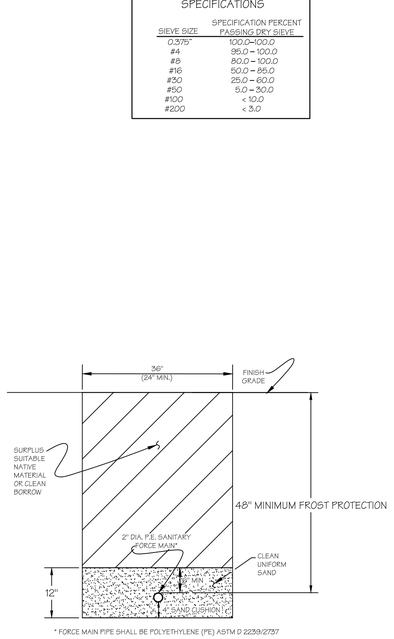
1. PROPOSED CONSTRUCTION SHALL CONFORM TO THE 2024 STATE OF CONNECTICUT PUBLIC HEALTH CODE AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL AS AMENDED.
2. ELEVATIONS AND CONTOURS ARE BASED ON NAVD 88.
3. ELEVATIONS SHOWN REFER TO THE INVERT (FLOW LINE) OF THE PROPOSED LEACHING SYSTEM UNLESS NOTED OTHERWISE.
4. PERCOLATION RATE FOR DESIGN = 0 - 10.0 MINUTES PER INCH.
5. THE SITE IS SERVICED BY A PUBLIC WATER SUPPLY SYSTEM (SOUTH CENTRAL REGIONAL WATER AUTHORITY).
6. LEACHING SYSTEM AREA SHALL BE LIMED, FERTILIZED, SEEDED AND MULCHED UPON COMPLETION OF THE PROJECT.
7. SEPTIC TANK CONSTRUCTION JOINTS SHALL BE SEALED WITH ASPHALT CEMENT. ALL PIPE CONNECTIONS TO THE SEPTIC TANK AND AND DISTRIBUTION BOXES SHALL BE SEALED WITH A POLYETHYLENE GASKET "POLY-LOK" OR APPROVED EQUAL.
8. SEPTIC TANK BAFFLES SHALL CONFORM TO SECTION VA-1 TECHNICAL STANDARDS OF THE STATE HEALTH CODE.
9. IF FIELD CONDITIONS, (LEDGE, GROUNDWATER, MOTTLING) ARE ENCOUNTERED AT AT SHALLOWER DEPTHS THAN SHOWN IN THE DEEP TEST HOLE RESULTS, CONSTRUCTION SHALL BE HALTED AND THE ENGINEER CONTACTED IMMEDIATELY.
10. SOIL TEST RESULTS SERVING AS THE BASIS FOR THIS DESIGN WERE CONDUCTED BY THE EAST SHORE DISTRICT HEALTH DEPARTMENT AND NEMERGUT CONSULTING.
11. NO DEVIATIONS FROM THE APPROVED DESIGN PLAN SHALL BE ALLOWED WITHOUT THE PRIOR APPROVAL OF THE DISTRICT SANITARIAN OR THE DESIGN ENGINEER.
12. EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO FIELD MODIFICATION, AS NECESSARY, AS REQUIRED BY THE DESIGN ENGINEER OR TOWN OFFICIALS.
13. STRIP AND STOCKPILE EXISTING TOPSOIL LAYER FROM WITHIN THE PROPOSED LEACHING SYSTEM IN THOSE AREAS WHERE THE BOTTOM OF THE PROPOSED LEACHING SYSTEM IS AT, OR ABOVE, THE BOTTOM OF THE EXISTING TOPSOIL LAYER OR IN THOSE AREAS WHERE SEPTIC SYSTEM FILL IS REQUIRED.
14. SPECIAL FILL MATERIAL SHALL MEET THE FOLLOWING REQUIREMENTS:
    A. THE FILL MATERIAL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
    B. UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE (THIS IS THE GRAVEL PORTION OF THE SAMPLE).
    C. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
    D. THE REMAINING SAMPLES SHALL MEET THE FOLLOWING GRADATION CRITERIA:

| SIEVE SIZE | PERCENT PASSING WET SIEVE | PERCENT PASSING DRY SIEVE |
|---|---|---|
| #4 | 100 | 100 |
| #10 | 70-100 | 70-100 |
| #40 | 10-50 * | 10-75 |
| #100 | 0-20 | 0-25 |
| #200 | 0-5 | 0-2.5 |

* PERCENT PASSING THE #40 SIEVE MAY BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%

THE FILL SHALL BE PLACED IN 12" MAXIMUM LIFTS AFTER THE STRIPPED LEACHING SYSTEM AREA HAS BEEN SCARIFIED. TRUCKS OR OTHER CONSTRUCTION EQUIPMENT SHALL NOT BE DRIVEN OVER THE SCARIFIED AREA PRIOR TO FILL PLACEMENT. PRIOR TO FILL PLACEMENT ANY SMEARED FILL AREAS SHALL BE RE-SCARIFIED.

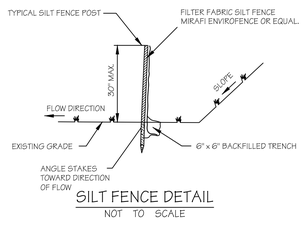
15. PRIOR TO PLACEMENT, FILL MATERIAL SHALL BE INSPECTED AND APPROVED BY THE DISTRICT SANITARIAN AND THE DESIGN ENGINEER
16. SEPTIC TANKS SHALL BE TWO COMPARTMENT TANKS WITH HEAVY DUTY STEEL HANDLES FOR MANHOLE ACCESS COVERS AND EFFLUENT FILTERS INSTALLED ON OUTLET BAFFLES.
17. ALL PIPE DOWNSTREAM OF THE OF THE SEPTIC TANK (EXCEPT FOR LEACHING TRENCHES) SHALL BE 4" DIAMETER P.V.C. ASTM D3034 SDR 35 OR APPROVED EQUAL UNLESS NOTED OTHERWISE ON PLAN.
18. THE SITE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 1-800-922-4455 PRIOR TO CONSTRUCTION TO VERIFY THE EXTENT AND LOCATION OF EXISTING UNDERGROUND UTILITIES.
19. THE LEACHING SYSTEM SHALL BE PROPERLY COVERED BY THE LICENSED SYSTEM INSTALLER WITHIN TWO (2) WORKING DAYS FOLLOWING THE DISTRICT SANITARIAN'S FINAL INSPECTION AND APPROVAL.
20. IMMEDIATELY UPON COMPLETION OF THE SEPTIC SYSTEM INSTALLATION AND FINAL APPROVAL BY THE DISTRICT SANITARIAN, THE SEPTIC SYSTEM SHALL BE BACKFILLED, TOPSOILED,SEEDED AND MULCHED. THE FINAL GRADING SHALL CONFORM TO THE DESIGN PLAN AND SHALL ENSURE THAT SURFACE RUNOFF IS DIRECTED AWAY FROM THE THE LEACHING SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL A PERMANENT VEGETATIVE COVER IS ESTABLISHED IN DISTURBED AREAS.
21. THE PROJECT SURVEYOR SHALL BE CONTACTED PRIOR TO BACKFILLING THE SEPTIC SYSTEM TO ALLOW FOR TAKING THE NECESSARY FIELD MEASUREMENTS FOR THE PREPARATION OF AN "AS-BUILT" SEPTIC SYSTEM PLAN AS REQUIRED BY THE DISTRICT SANITARIAN PRIOR TO THE ISSUANCE OF A PERMIT TO DISCHARGE OR A CERTIFICATE OF OCCUPANCY.
22. NO GRADING OR OTHER DISTURBANCE OF THE AREA OF THE PROPOSED SEPTIC SYSTEM WILL BE ALLOWED PRIOR TO THE INSTALLATION. NO PARKING, EQUIPMENT STORAGE OR TRAFFIC IN THE AREA OF THE SEPTIC SYSTEM WILL BE ALLOWED.
23. PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY, THE SEPTIC SYSTEM SHALL BE STAKED OUT BY THE PROJECT SURVEYOR.
24. THE DISTRICT SANITARIAN AND THE ENGINEER SHALL BE CONTACTED AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION. NO PORTION OF THE SYSTEM SHALL BE COVERED WITHOUT INSPECTION AND APPROVAL OF THE SANITARIAN.
25. THE MINIMUM DISTANCE FROM UTILITY TRENCH (GAS/ELECTRIC/CABLE T.V./TELEPHONE) TO SEPTIC SYSTEM IS 5 FEET.
26. CONSTRUCT STORM WATER SWALES, AS REQUIRED,TO DIRECT SURFACE RUNOFF AWAY FROM THE SEPTIC SYSTEM.
27. BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION TAKEN FROM MAP ENTITLED "PROPERTY SURVEY/DEPENDENT RESURVEY PREPARED FOR LEEMILTS PETROLEUM, INC. 208 FOXON ROAD NORTH BRANFORD, CONNECTICUT" DATED 10/26/2017 AS PREPARED BY NORTH STAR SURVEYING & ENGINEERING LLC, WEST HARTFORD, CONNECTICUT.
28. IT IS RECOMMENDED THAT THE SEPTIC TANK COVERS BE LEFT ON THE TANK FOR SAFETY REASONS AND TO AVOID POTENTIAL ODOR PROBLEMS WHEN USING A RISER. IF RISER COVER WEIGHS LESS THAN 59 LBS, THE TANK COVERS SHALL REMAIN IN PLACE OR A SECONDARY SAFETY LID OR OTHER DEVICE SHALL BE PROVIDED.




* FORCE MAIN PIPE SHALL BE POLYETHYLENE (PE) ASTM D 2239/2737

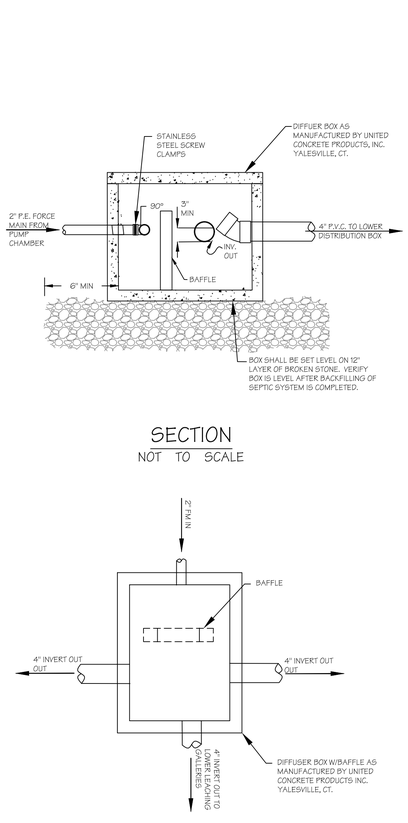
## SANITARY SEWER FORCEMAIN TYPICAL TRENCH DETAIL

NOT TO SCALE




## SILT FENCE DETAIL

NOT TO SCALE




## SECTION

NOT TO SCALE

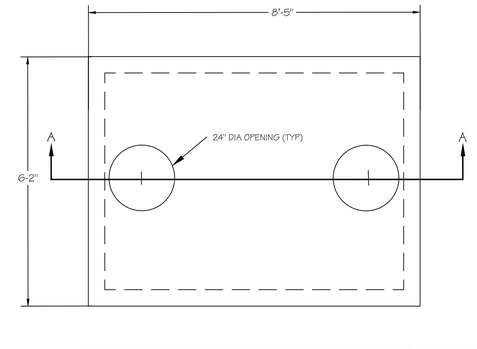


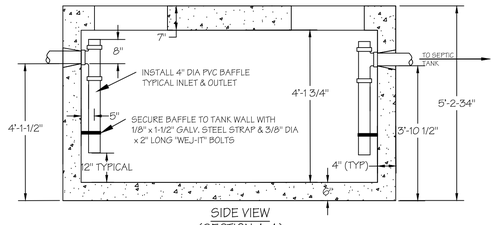

## PLAN

NOT TO SCALE

## DIFFUSER BOX DETAIL (FORCE MAIN)

NOT TO SCALE




SIDE VIEW
(SECTION A-A)

## 1000 GALLON HS-20 GREASE INTERCEPTOR DETAIL

MANUFACTURED BY UNITED CONCRETE PRODUCTS, INC. YALESVILLE, CT (203-269-3119)

NOT TO SCALE

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION

DATE: _____ CHAIRMAN/SECRETARY _____

EXPIRATION DATE: _____

OWNER/APPLICANT:
SHAHANI INC.
53 E INDUSTRIAL RD UNIT C-1
BRANFORD, CT 06405

NEMERGUT CONSULTING

235 ROUTE 80 - P.O. BOX 666
KILLINGWORTH, CONNECTICUT
06419

PHONE: 860.663.2384
NEMERGUTCONSULTING.COM

STATE OF CONNECTICUT
ROGER D. NEMERGUT
NO. 10008
REGISTERED
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ROGER D. NEMERGUT
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DETAILS & NOTES

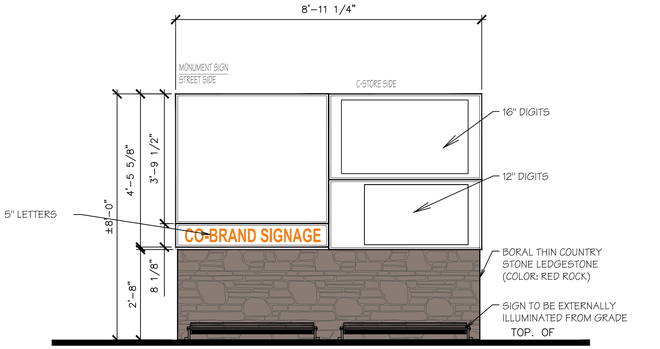
MOODUS FOOD STOP
416 EAST HADDAM - MOODUS ROAD
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EAST HADDAM CONNECTICUT
MAP: 64 LOT: 64

DATE: 3-4-25
DRAWN BY: J.A.N.
CHECKED BY: R.D.N.
SCALE: AS NOTED

CAD FILE: 471-23-01

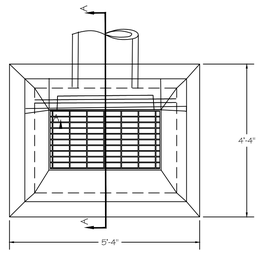
| NO. | DATE | REVISIONS |
|---|---|---|
| 1 | 12/3/25 | TOWN ENG. REV. |
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SHEET



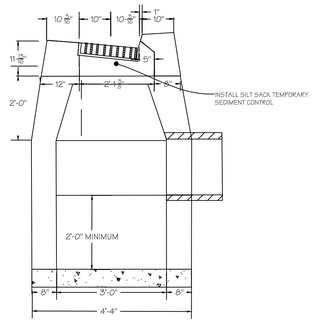

## PROPOSED MONUMENT I.D. SIGN ELEVATION

N.T.S.




PLAN

NOT TO SCALE



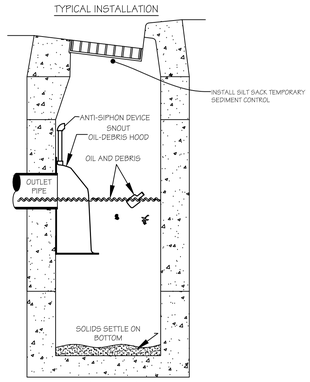

SECTION 'A-A'

NOT TO SCALE

## TYPE "C" CATCH BASIN

NOT TO SCALE

TYPICAL INSTALLATION



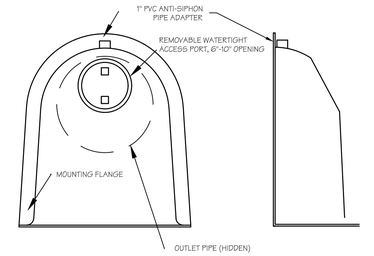

*NOTE- SUMP DEPTH OF 36" MIN. FOR < OR= 12" DIAM. OUTLET. FOR OUTLETS >OR= 15", DEPTH = 2.5-3X DIAM.

MANUFACTURED BY BEST MANAGEMENT PRODUCTS, INC EAST HADDAM, CT (888) 434-0277

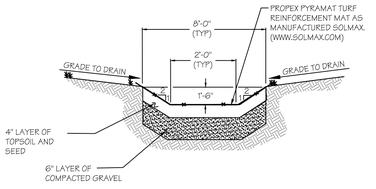
## SNOUT CATCH BASIN HOOD SPECIFICATION DETAIL

NOT TO SCALE

CONFIGURATION DETAIL



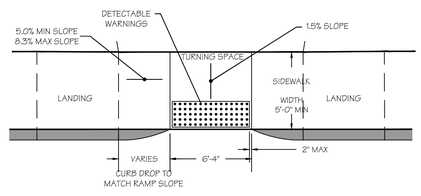

SNOUT OIL-WATER-DEBRIS SEPARATOR




NOTES:
1. SEEDING SHOULD BE DONE PRIOR TO PLACEMENT OF TURF REINFORCING MAT AND WITHIN RECOMMENDED SEEDING WINDOW.
2. TURF REINFORCEMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

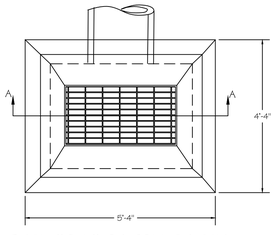
## GRASSED SWALE SECTION

NOT TO SCALE



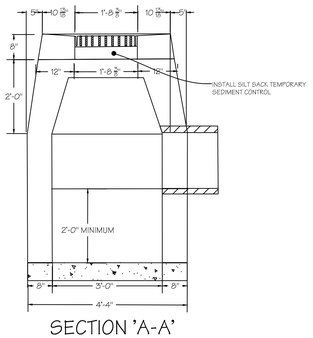

## ADA SIDEWALK RAMP DETAIL

NOT TO SCALE



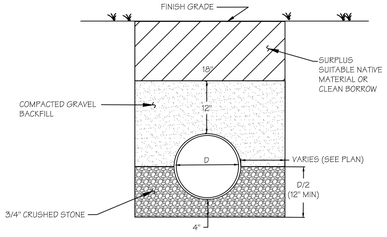

## TYPE "C-L" CATCH BASIN

NOT TO SCALE



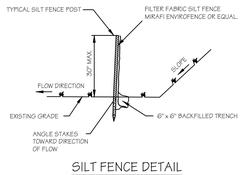

SECTION 'A-A'

NOT TO SCALE



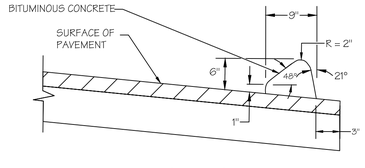

## TYPICAL TRENCH SECTION

NOT TO SCALE




## SILT FENCE DETAIL

NOT TO SCALE




## BITUMINOUS CONCRETE LIP CURBING

NOT TO SCALE

OWNER/APPLICANT:
SHAHANI INC.
53 E INDUSTRIAL RD UNIT C-1
BRANFORD, CT 06405

APPROVED BY THE EAST HADDAM PLANNING AND ZONING COMMISSION

DATE: _____ CHAIRMAN/SECRETARY _____

EXPIRATION DATE: _____


NEMERGUT CONSULTING

235 ROUTE 80 - P.O. BOX 666
KILLINGWORTH, CONNECTICUT
06419

PHONE: 860.663.2384
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ROGER D. NEMERGUT
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JASON A. NEMERGUT
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LIC. NO. 26088



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DETAILS & NOTES

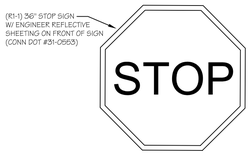
MOODUS FOOD STOP
416 EAST HADDAM - MOODUS ROAD
(ROUTE 149)
EAST HADDAM CONNECTICUT
MAP: 64 LOT: 64

DATE: 3-4-25
DRAWN BY: J.A.N.
CHECKED BY: R.D.N.
SCALE: AS NOTED

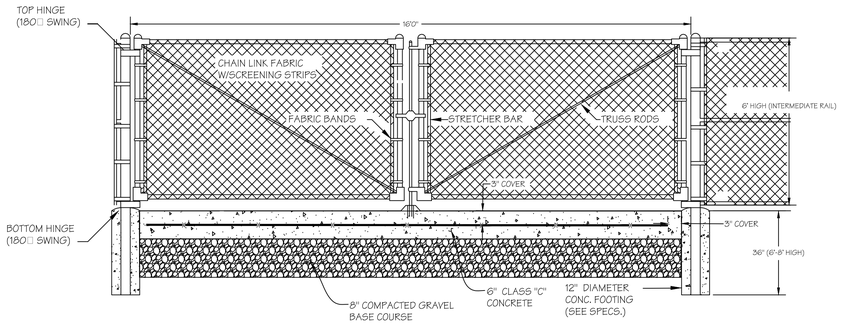
| NO. | DATE | REVISIONS |
|---|---|---|
| 1 | 12/3/25 | TOWN ENG. REV. |

SHEET

6 OF 7

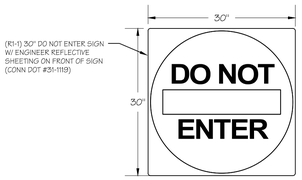



STOP SIGN DETAIL
NOT TO SCALE

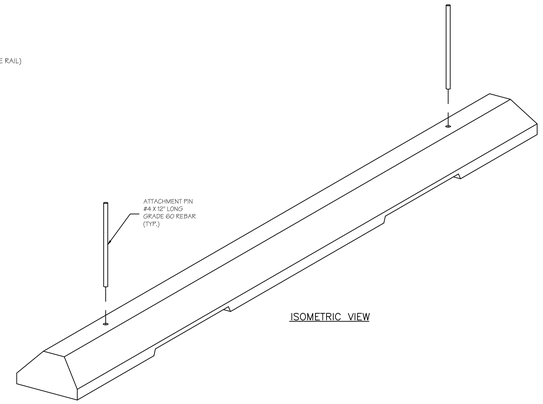



DUMPSTER ENCLOSURE DETAIL
NOT TO SCALE

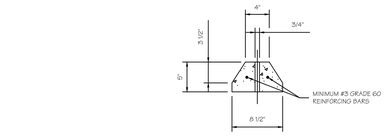
NOTES:
72" CHAIN LINK FENCE
POSTS: 2 7/8" O.D. TERMINAL/END/CORNER; 2 3/8" O.D. LINE
FABRIC: 9GA X 2" MESH
TOP RAIL: 1 5/8" O.D.
MIDDLE RAIL: 1 5/8" O.D
BOTTOM RAIL: 1 5/8" O.D
POST CAPS: DOME STYLE
TIES: 9GA ALUMINUM



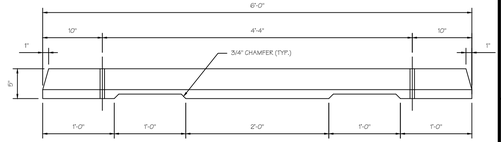

"DO NOT ENTER" SIGN DETAIL
NOT TO SCALE




ISOMETRIC VIEW

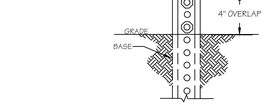



CROSS-SECTION

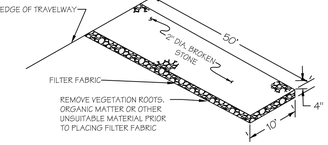



ELEVATION

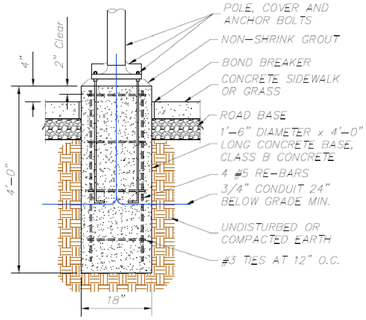
PRECAST CONCRETE CURB STOP DETAIL
NOT TO SCALE



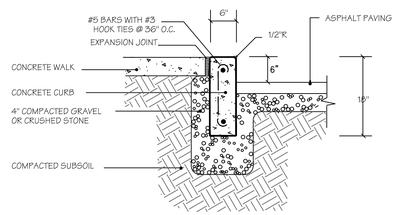

SIGN POST BREAKAWAY DETAIL
(NOT TO SCALE)



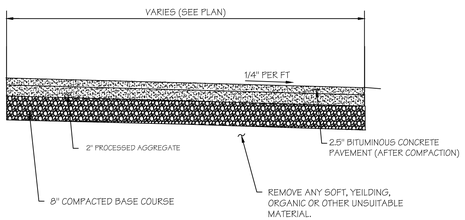

ANTI-TRACKING PAD
NOT TO SCALE"




***LIGHT POLE BASE DETAIL***
NO SCALE

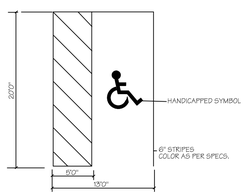



CAST IN PLACE CONCRETE CURB DETAIL
NOT TO SCALE

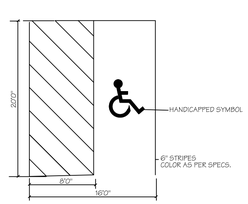



NOTE: PITCH DRIVEWAY TO DRAIN TO THE WEST

BIT. CONC. PARKING LOT SECTION
NOT TO SCALE




HANDICAPPED ACCESSIBLE PARKING SPACE DETAIL
NOT TO SCALE




HANDICAPPED ACCESSIBLE VAN PARKING SPACE DETAIL
NOT TO SCALE

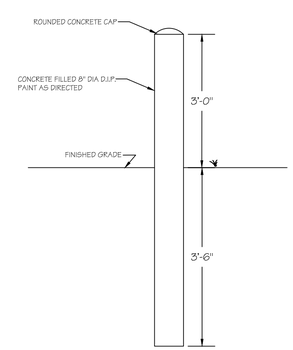



ADA Signs Comply with State Laws.

- Reflective aluminum material is visible at night. Handicapped parking signs use 3M's reflective engineer grade film.
- Sign is fabricated from aluminum that is rigid and durable and does not rust.
- Signs have predrilled holes for easy installation. Mount signs on U-Channel posts or fences.
- Signs are printed using enamel inks.

"VAN ACCESSIBLE" SIGN TO BE PLACED AT APPROPRIATE SPACES

HANDICAPPED SIGN DETAIL
NOT TO SCALE




BOLLARD DETAIL
(NOT TO SCALE)

OWNER/APPLICANT:
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BRANFORD, CT 06405

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MOODUS FOOD STOP
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EAST HADDAM CONNECTICUT
MAP: 64 LOT: 64

DATE: 3-4-25
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| 1 | 12/3/25 | TOWN ENG. REV. |
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SHEET