GENERAL NOTES

1. SITE WILL BE SERVED BY ON-SITE SEPTIC. PERC TESTING AND PRELIMINARY DESIGN HAS BEEN COMPLETED TO CONFIRM THAT THE SITE LAYOUT WILL PROVIDE NECESSARY AREA, SIZING AND DEPTH FOR THE FINAL SEPTIC DESIGN. A DETAILED SEPTIC PLAN WILL BE PREPARED FOR MUNICIPAL APPROVAL FOLLOWING APPROVAL OF THE SITE PLAN, SPECIAL PERMIT, AND OTHER REQUIRED PERMITTING.

2. A NEW 2" WATER SERVICE IS PROPOSED. THE CLOSURE OF THE EXISTING SERVICE AND TIE IN TO THE NEW SERVICE WILL BE IN ACCORDANCE WITH UTILITY PROVIDER REQUIREMENTS.

3. A NEW OVERHEAD ELECTRIC SERVICE WILL BE ROUTED ALONG THE EAST PROPERTY LINE TO THE NEW BUILDING.

4. AN EMERGENCY GENERATOR IS PROPOSED TO BE INSTALLED.

5. PROPANE TANKS WILL BE INSTALLED FOR BUILDING HEATING, GENERATOR, AND KITCHEN APPLIANCES AS NECESSARY.

6. THE CONTRACTOR SHALL CONTACT DIG-SAFE PRIOR TO ANY CONSTRUCTION EXCAVATION (811 IN MA).

7. WHERE CONFLICTS ARISE BETWEEN THE FIELD CONDITIONS VERIFIED AND PROPOSED CONSTRUCTION, OR IF THERE IS A CONFLICT BETWEEN ANY REGULATIONS OR MUNICIPAL REQUIREMENTS AND THE PROPOSED PLANS, THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO CONTINUANCE OF THE WORK.

8. PROPOSED WORK INCLUDES THE INSTALLATION OF NEW SUBSURFACE STORMWATER INFILTRATION SYSTEMS FOR THE BUILDING AND CANOPY ROOF DRAINS AS WELL AS THE MAJORITY OF THE NEW PAVEMENT AREA.

9. IT IS INTENDED TO LEAVE UNCHANGED THE EXISTING FIRE HYDRANT AT APPROXIMATELY THE MIDDLE OF THE PROPERTY FRONTAGE.

10. A.L. PRIME OR ITS INSTALLATION CONTRACTOR WILL OBTAIN UTILITY APPROVALS AND PAY WATER CONNECTION FEES AS APPLICABLE PRIOR TO ANY WATER UTILITY WORK.

11. SEE THE TANK AND PIPING PLANS FOR LAYOUT OF MOTOR FUEL AND PROPANE PIPING.

ANTICIPATED WATER AND SEWER REQUIREMENTS

1. ANTICIPATED WATER AND SEWER FLOWS OF 1,500 GALLONS PER DAY BASED ON MA TITLE V AND SIMILAR STATION EXPERIENCE:
   1.1. RESTAURANT - (MIN) 1000 GPD
   1.2. RETAIL STORE - (MIN) 200 GPD
   1.3. MOTOR FUEL - (MIN) 300 GPD

23 SEP 2020  1 AG CHANGED TO UG, MOVED PROPANE, REV PER CMTS
EROSION CONTROL AND SOIL STABILIZATION

TEMPORARY STABILIZATION

1. All disturbed slopes shall be stabilized with temporary treatment such as erosion control blankets or hydro seeding and protected within four (4) weeks or before any expected storm event.
2. Erosion control blankets shall be inspected and maintained daily.
3. Proper control blankets shall be removed from the contour line and any temporary erosion control measures shall be removed after completion of the project.
4. Erosion control blankets shall be removed prior to any expected storm event.
5. Proper treatment quality shall consist of hay, straw, fiber mulch, or protective sheeting such as silt fence, hay bales, hay, or straw wattles.
6. All temporary treatment shall be placed on the site and any temporary erosion control measures shall be removed within sixty (60) days of the project.
7. All temporary erosion control measures shall be removed upon completion of the project.
8. Silt fence shall be removed from the site at completion of the project.

SHEET 1 OF 3
LAYOUT OF EROSION CONTROL MEASURES

CONSTRUCTION SEQUENCE

1. Erosion control blankets shall be installed prior to any construction work or significant improvements.
2. Proper control blankets shall be inspected and maintained daily.
3. Through the course of the work, temporary erosion and sedimentation control structures shall be maintained as necessary to keep all operating as intended.
4. Temporary erosion control blankets shall be removed upon completion of the project.
5. Soil protection and blankets shall be installed and applied at least one week prior to any expected storm event.
6. Erosion control blankets shall be removed prior to any expected storm event.

SEGMENTATION CONTROL AND CONSTRUCTION SPA AND SAMP PLAN

1. Mud shall be kept from entering and entering natural or existing water bodies or drainage systems.
2. Protect all liquids, stockpiles, and on-station stockpiles during storm and winter months.
3. Clear and keep the construction area free of debris and water.
4. Repair or remove any debris and water as necessary.
5. All topsoil shall have a sandy loam texture relatively free of subsoil material, stones, roots, tree limbs, trash or construction debris.
6. All temporary protection shall consist of hay, straw, fiber mulch, or protective sheeting such as silt fence, hay bales, hay, or straw wattles.
7. All temporary erosion control blankets shall be removed upon completion of the project.
8. Silt fence shall be removed from the site at completion of the project.

CONSTRUCTION METHOD

POST CONSTRUCTION

1. Open course left by construction should not be disturbed by any other activities.
2. No erosion shall be expected at any activity and any other activities shall be performed as necessary.
3. The project shall be inspected and maintained daily.
4. Proper control blankets shall be removed prior to any expected storm event.
5. Silt fence shall be removed from the site at completion of the project.
6. Topsoil shall be removed from the site with sediment filter and inspect the filter after all rainfall and any runoff.
7. Silt fence shall be removed from the site with sediment filter and inspect the filter after all rainfall and any runoff.
8. Silt fence shall be removed from the site with sediment filter and inspect the filter after all rainfall and any runoff.
9. Silt fence shall be removed from the site with sediment filter and inspect the filter after all rainfall and any runoff.
10. Silt fence shall be removed from the site with sediment filter and inspect the filter after all rainfall and any runoff.
GENERAL NOTES:
1. The general purpose of this work is to identify the existing residential use and improvements and construct a new gas station and convenience store with drive-thru.
2. Stormwater impacts of the proposed development have been included in the HydroCAD model. The design has been influenced by that modeling to reduce post-development runoff below pre-development rates and volumes. Please refer to the stormwater management plan.
3. The layout of this sheet are included in the stormwater management plan and used in the HydroCAD model.

Runoff Comparisons of Rates and Volumes From Pre to Post Condition

<table>
<thead>
<tr>
<th>Scenario</th>
<th>Rate (in/hr)</th>
<th>Volume (cu ft)</th>
<th>Pre</th>
<th>Post</th>
<th>% Change Pre to Post</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grass Pre</td>
<td>0.007</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>Grass Post</td>
<td>0.007</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>Change</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>% Change</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Pervious Pre</td>
<td>0.008</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>Pervious Post</td>
<td>0.008</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>Change</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>% Change</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

Residential Use and Improvements and Construct a New Gas Station and Convenience Store with Drive-Thru.
1.3. CAUTION: IN FREEZING CONDITIONS, BACKFILL MUST BE DRY AND FREE OF ICE. DO NOT USE OTHER BACKFILL MATERIALS. FOR SOUNDNESS AND QUALITY.

1.2. STONE OR GRAVEL CRUSHINGS: CRUSHINGS WITH ANGULAR PARTICLE SIZE NOT LESS THAN 1" IN DIAM AND CONTAINING NO MORE THAN 5% " NOR MORE THAN 1/8" IN DIAM AND CONTAINING 100% angular particulate. ALL BACKFILL MAT'L SHALL MEET TANK AND/OR PIPING MFGR'S INSTALLATION SPEC'S. IF NO SPEC'S ARE AVAIL, USE FOLLOWING:

6. INSTALL NEW DRY CHEMICAL FIRE SUPPRESSION SYSTEM AT FUELING AREA PER FD APPROVED PLAN

5. INSTALL NEW DISPENSERS AT NEW ISLANDS WITH SUMPS AND SUMP SENSORS

4. INSTALL NEW CONCRETE PAVING OVER TANKS AND THROUGHOUT FUELING AREA

3. INSTALL NEW TANK TOP EQUIPMENT AND FUEL PRODUCT PIPING, INCLUDING NEW DW SPILL CONTAINMENT, MONITORED TANK, LEAK DETECTORS, DRY CHEMICAL FIRE SUPPRESSIONS, ETC.

1. REMOVE ALL EXISTING SITE IMPROVEMENTS

G 6. INSTALL NEW DRY CHEMICAL FIRE SUPPRESSION SYSTEM AT FUELING AREA PER FD APPROVED PLAN

5. INSTALL NEW DISPENSERS AT NEW ISLANDS WITH SUMPS AND SUMP SENSORS

4. INSTALL NEW CONCRETE PAVING OVER TANKS AND THROUGHOUT FUELING AREA

3. INSTALL NEW TANK TOP EQUIPMENT AND FUEL PRODUCT PIPING, INCLUDING NEW DW SPILL CONTAINMENT, MONITORED TANK, LEAK DETECTORS, DRY CHEMICAL FIRE SUPPRESSIONS, ETC.

1. REMOVE ALL EXISTING SITE IMPROVEMENTS

G 6. INSTALL NEW DRY CHEMICAL FIRE SUPPRESSION SYSTEM AT FUELING AREA PER FD APPROVED PLAN

5. INSTALL NEW DISPENSERS AT NEW ISLANDS WITH SUMPS AND SUMP SENSORS

4. INSTALL NEW CONCRETE PAVING OVER TANKS AND THROUGHOUT FUELING AREA

3. INSTALL NEW TANK TOP EQUIPMENT AND FUEL PRODUCT PIPING, INCLUDING NEW DW SPILL CONTAINMENT, MONITORED TANK, LEAK DETECTORS, DRY CHEMICAL FIRE SUPPRESSIONS, ETC.

1. REMOVE ALL EXISTING SITE IMPROVEMENTS

G 6. INSTALL NEW DRY CHEMICAL FIRE SUPPRESSION SYSTEM AT FUELING AREA PER FD APPROVED PLAN

5. INSTALL NEW DISPENSERS AT NEW ISLANDS WITH SUMPS AND SUMP SENSORS

4. INSTALL NEW CONCRETE PAVING OVER TANKS AND THROUGHOUT FUELING AREA

3. INSTALL NEW TANK TOP EQUIPMENT AND FUEL PRODUCT PIPING, INCLUDING NEW DW SPILL CONTAINMENT, MONITORED TANK, LEAK DETECTORS, DRY CHEMICAL FIRE SUPPRESSIONS, ETC.

1. REMOVE ALL EXISTING SITE IMPROVEMENTS

G 6. INSTALL NEW DRY CHEMICAL FIRE SUPPRESSION SYSTEM AT FUELING AREA PER FD APPROVED PLAN

5. INSTALL NEW DISPENSERS AT NEW ISLANDS WITH SUMPS AND SUMP SENSORS

4. INSTALL NEW CONCRETE PAVING OVER TANKS AND THROUGHOUT FUELING AREA

3. INSTALL NEW TANK TOP EQUIPMENT AND FUEL PRODUCT PIPING, INCLUDING NEW DW SPILL CONTAINMENT, MONITORED TANK, LEAK DETECTORS, DRY CHEMICAL FIRE SUPPRESSIONS, ETC.

1. REMOVE ALL EXISTING SITE IMPROVEMENTS

G 6. INSTALL NEW DRY CHEMICAL FIRE SUPPRESSION SYSTEM AT FUELING AREA PER FD APPROVED PLAN

5. INSTALL NEW DISPENSERS AT NEW ISLANDS WITH SUMPS AND SUMP SENSORS

4. INSTALL NEW CONCRETE PAVING OVER TANKS AND THROUGHOUT FUELING AREA

3. INSTALL NEW TANK TOP EQUIPMENT AND FUEL PRODUCT PIPING, INCLUDING NEW DW SPILL CONTAINMENT, MONITORED TANK, LEAK DETECTORS, DRY CHEMICAL FIRE SUPPRESSIONS, ETC.

1. REMOVE ALL EXISTING SITE IMPROVEMENTS

G 6. INSTALL NEW DRY CHEMICAL FIRE SUPPRESSION SYSTEM AT FUELING AREA PER FD APPROVED PLAN

5. INSTALL NEW DISPENSERS AT NEW ISLANDS WITH SUMPS AND SUMP SENSORS

4. INSTALL NEW CONCRETE PAVING OVER TANKS AND THROUGHOUT FUELING AREA

3. INSTALL NEW TANK TOP EQUIPMENT AND FUEL PRODUCT PIPING, INCLUDING NEW DW SPILL CONTAINMENT, MONITORED TANK, LEAK DETECTORS, DRY CHEMICAL FIRE SUPPRESSIONS, ETC.
**NOT TO SCALE**

**NOZZLE AIM POINTS**

**AIMING POINT**

**NOZZLE LOCATION**

**POSITIVE LIMITING BARRIER (PLB)**

---

**THE POSITIVE LIMITING BARRIER TO BE 5 CONTINUOUS SQUARE OR "V" GROOVES 3/4" WIDE BY 3/4" DEEP, 4-3/4" ON CENTER W/ CROSS INTERCONNECTING GROOVES SPACED AT 12" MIN TO 48" MAX ON CENTER. THE OUTSIDE GROOVE TO BE AT LIMITS OF HAZARD PROTECTION AREA AND THE POTENTIAL SPILL AREA TO BE WITHIN THIS PROTECTED AREA.**

---

**SELF-SERVICE SIGN**

**NOT TO SCALE**

**SELF SERVICE ISLAND**

**12"x16" WARNING SIGN SHALL BE CONSPICUOUSLY POSTED ON BOTH ENDS OF THE DISPENSER. LETTERING SIZE AND LOCATION SHALL BE AS SHOWN ABOVE.**

**IT IS UNLAWFUL AND DANGEROUS TO DISPENSE GASOLINE INTO UNAPPROVED CONTAINERS. NO FILLING OF PORTABLE CONTAINERS IN OR ON A MOTOR VEHICLE OR TRAILER. PLACE CONTAINER ON GROUND BEFORE FILLING.**

**BY ORDER OF THE STATE FIRE MARSHAL NO SMOKING - STOP MOTOR WARNING**

---

**FIRE SUPPRESSION SYSTEM LAYOUT**

- Dispensing area to be as level as possible
- 4 dispensers & 8 fueling positions
- All dispensers contain credit card readers

**SYSTEM INFORMATION**

- ATTENDANT 1 SYSTEM MFGRD BY PYRO CHEM, INC. MODEL ATD-35/75 -- MEETS UL-1254

**SAFETY BUMPER OR BOLLARD**

**DRIVEWAY**

**LIGHTING WITHIN FUELING AREA**

**COLUMN OR LIGHT POLE**

**FUEL TRANSPORT AT DROP POSITION**

---

**CITY/TOWN ___________________________     DATE _________________________**

---

**DESCRIPTION**

**REV BY DATE**

**ORIGINAL DRAWING DATE**

**4/29/20**

**23 SEP 2020 -- AG REISSUE WITH 9/23 SET - NO CHANGES THIS SHEET**
Top view illustrating the removal of either one
Rainstore3 structure column for a 9" access or four
columns for up to a 16" maintenance port
GENERAL NOTES

1. ALl EXTERIOR DIMENSIONS TO EXTERIOR FACE OF FOUNDATION OR CMU.
2. ALl INTERIOR DIMENSIONS TO FACE OF FINISH EXCEPT WHERE NOTED AS OTHERWISE.
3. ALl WOOD IN CONTACT WITH MASONRY OR CONCRETE SHALL BE PRESSURE TREATED.
4. PROVIDE SOLID WOOD BLOCKING BEHIND ALL WALL MOUNT FIXTURES.
5. REFER TO DOOR ANDおそうネットchedule
6. PROVIDE TILE BACKER BOARD BEHIND ALL TILED WALL SURFACES.
7. TRADE CONTRACTORS SHALL SUBMIT SHOP DRAWINGS AND/OR EQUIPMENT CUT SHEETS AND SPECS PRIOR TO PROCEEDING WITH PURCHASE OF MATERIALS OR FABRICATION.
8. MECHANICAL TILES MAY NOT BE ATTACHED OR MOVABLE, LAYOUT WILL VARY FROM TIME TO TIME.
9. SHELVING SUBJECT TO APPROVAL, AND REQUIREMENTS OF THE HEALTH DEPARTMENT.
10. TENANT AREA LAYOUT CONCEPTUAL AND SUBJECT TO CHANGE PER TENANT SPECIFICATIONS.
11. TENANT AREA TO BE FINISHED BY AND PER TENANT SPECIFICATION AND COLORS.

DOOR SCHEDULE

<table>
<thead>
<tr>
<th>ROOM</th>
<th>QTY</th>
<th>SIZE</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>3'-0&quot;</td>
<td>SOLID WOOD</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>3'-0&quot;</td>
<td>STEEL HOLLOW METAL</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>6'-0&quot;</td>
<td>ALUM/GLASS</td>
</tr>
</tbody>
</table>

FLOOR PLAN

1. CHANGED LOCATIONS OF WATER AND ELECTRIC METERS
2. OVERHANG CHANGED FROM FLAT ROOF FASCIA STYLE
3. ADJUSTED ADA SIDEWALK RAMP
4. ADDED BIKE RACK AND AIR TOWER ON SIDEWALK

PLAN REVISIONS 23 SEP 2020

1. CHANGED LOCATIONS OF WATER AND ELECTRIC METERS
2. OVERHANG CHANGED FROM FLAT ROOF FASCIA STYLE
3. ADJUSTED ADA SIDEWALK RAMP
4. ADDED BIKE RACK AND AIR TOWER ON SIDEWALK
GENERAL NOTES
1. PROPOSED BUILDING IS A SINGLE STORY SLAB ON GRADE MASONRY
   AND WOOD FRAME BUILDING.
2. SIGNAGE SHOWN ON THIS SHEET AND SG-1 SIGN AND GRAPHICS
   SHEET ARE PROPOSED, IT IS INTENDED TO PERMIT SIGNAGE
   SEPARATELY AS ALLOWED BY RIGHT. PETITIONER IS NOT SEEKING
   VARIANCE OR WAIVER FOR SIGNAGE AS PART OF SITE PLAN OR
   SPECIAL PERMIT APPROVAL.
3. ALL DIMENSIONS TO FACE OF FINISH EXCEPT WHERE NOTED AS
   OTHERWISE.
4. CONFIRM MOUNTING HEIGHT OF TRANSACTION DRAWER AND ATM
   FOR PROPER ADA ACCESSIBILITY.
5. LOCATION OF KNOX BOX AND EXTERNAL FIRE ALARM/STROBE
   SUBJECT TO FINAL LOCATION APPROVAL BY FIRE DEPARTMENT.
6. TRADE CONTRACTORS INCLUDING STOREFRONT FABRICATOR SHALL
   SUBMIT SHOP DRAWINGS AND/OR EQUIPMENT CUT SHEETS AND
   SPECS PRIOR TO PROCEEDING WITH PURCHASE OF MATERIALS OR
   FABRICATION.
7. ALUMINUM STOREFRONT - PRE-FINISHED BLUE ALUMINUM FRAMES
   (SEE A.L. PRIME SPECIFICATION) WITH ONE INCH INSULATED GLASS,
   TEMPERED AS REQ'D BY CODE. BOTTOM PANELS AT COUNTER TO BE
   OPAQUE OR SOLID INSULATED PANEL.
8. SIZE, SHAPE, AND FINISH OF DRIVE-THRU BUILDING BUMP-OUT TO BE
   ADJUSTED PER TENANT CORPORATE IMAGE AND COLORS.
9. TENANT DRIVE-THRU WINDOW AWNING STYLE, HEIGHT, SIZE AND
   COLOR ARE CONCEPTUAL ONLY AND TO BE ADJUSTED PER TENANT
   SPECIFICATIONS.
GENERAL NOTES

1. DO NOT REFER TO THIS DRAWING FOR CONSTRUCTION LAYOUT OR PURPOSES. THIS DRAWING IS ONLY FOR BOARD REVIEW AND APPROVAL AND DOES NOT CONTAIN ADEQUATE INFORMATION FOR CONSTRUCTION.

2. REFER TO CANOPY MANUFACTURER STAMPED STRUCTURAL DRAWINGS INCLUDING FOOTING DETAIL FOR ALL COLUMN AND FOOTING LAYOUT.

3. REFER TO TK-1 TANK AND PIPING PLAN FOR ISLAND AND DISPENSER SUMP LAYOUT.

4. REFER TO LOCAL AND STATE FIRE APPROVED FIRE SUPPRESSION PLAN FOR SHROUD AND FIRE SUPPRESSION SYSTEM PIPING LAYOUT.

5. REFER TO BUILDING DEPARTMENT APPROVED SIGN PLAN FOR LAYOUT OF ANY APPROVED SIGNAGE. SIGNAGE SHOWN IS PROPOSED AND WILL BE APPROVED SEPARATELY AS ALLOWED BY CODE.

6. REFER TO LIGHTING PLAN AND OWNER SPECIFICATIONS REGARDING NUMBER AND LOCATION OF LIGHTING FIXTURES TO BE INSTALLED INTO CANOPY DECK.

A.L. PRIME ENERGY
SAUGUS MA 01906
(781) 246-0201
18 LARK AVENUE
CONSULTANT, INC.

CANOPY SOUTH ELEVATION (FACING CENTRAL)

CANOPY WEST ELEVATION (FACING I-95)