TOWN OF CARMEL
PLANNING BOARD

60 McAlpin Avenue
Mahopac, New York 10541
Tel. (845) 628-1500 – Ext.190
www.ci.carmel.ny.us

PLANNING BOARD AGENDA

JULY 26, 2017

MEETING ROOM #2

		TAX MAP #	PUB. HEARING	MAP DATE	COMMENTS
SITE PLAN					
1.	Kamala Associates (Barnwal) – 87 Fair Street	44.15-1-37		07/14/17	Residential Site Plan
2.	ShopRite Carmel – 184 Route 52, Carmel	44.9-1-9		07/17/17	Amended Site Plan (Architectural Review)
MISC.					
3.	Sansevera, John – 47 Gleneida Ridge Road	55.5-1-4		07/07/17	Regrading Application
4.	Minutes – 06/28/17				

ARCHITECTURAL VISIONS PLLC
A GREENBERG DESIGN GROUP

July 17, 2017

Harold Gary, Chairman and Members of Carmel Planning Board
Town Hall
65 Mcalpin Ave
Mahopac, NY 10541

Re: Sugriv Barnwal
87 Fair Street
Carmel, NY 10512
TM # 44.15-1-37

Dear Mr. Gary & Members of the Board,

At your meeting on July 12, 2017 there was a lengthy discussion regarding Mr. Barnwal's proposal to legalize the existing 2 family house and convert an existing free standing office to a studio apartment.

Let me begin by stating what the existing conditions were when Mr. Barwal purchased the property:

1. The existing house fronting on Fair Street was converted to a two family house many years ago. It should be noted that the space for the second apartment had a permit and CO for two bedrooms and a bathroom. The kitchen was added prior to Mr. Barnwal's purchase.
2. The existing accessory apartment approval was to be eliminated when the previous owner sold the property.
3. The existing office approval was to be eliminated when the previous owner sold the property.

Mr. Barnwal has reconsidered his proposal as follows:

1. Apply to the Zoning Board of Appeals for a Use Variance in order to keep the existing two family house.
2. Keep the existing accessory apartment structure as per the decision of the Zoning Board dated December 26, 2016.
3. Keep the existing office structure as per the decision of the Zoning Board dated December 26, 2016.

I look forward to discussing this revised proposal at your meeting of Wednesday July 26, 2017, and getting a denial in order to apply to the Zoning Board of Appeals.

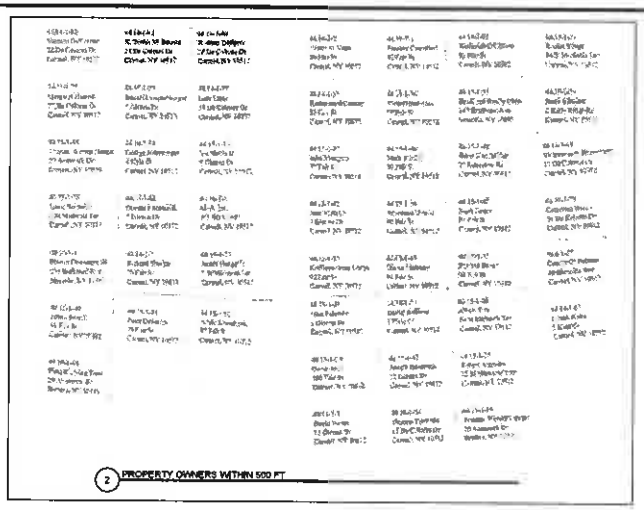
Thanking you in advance for interest and cooperation in this matter.

Yours truly,

Joel Greenberg
JLG:tmz

Two Muscoot Road North
Mahopac, New York 10541
P: (845) 628-6613 F: (845) 628-2807
Email: joel.greenberg@arch-visions.com
www.arch-visions.com

U.S. GREEN BUILDING COUNCIL MEMBER



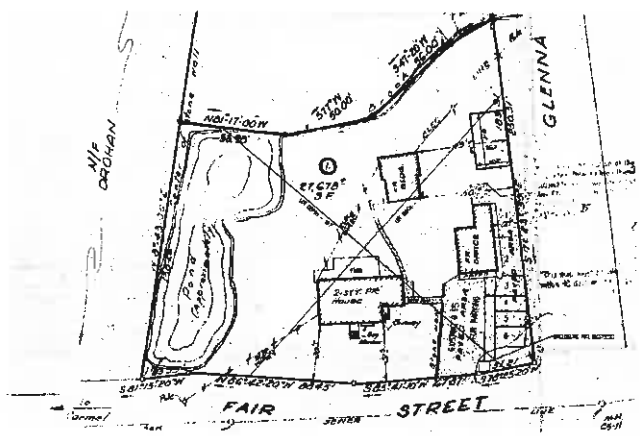
2 PROPERTY OWNERS WITHIN 500 FT

SITE DATA NOTES

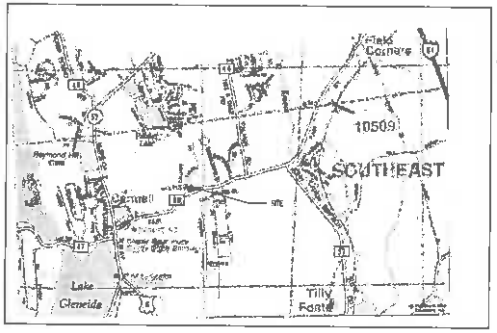
1. PROPERTY OWNER: KAMALA ASSOCIATES LLC.
   6 CLIFTON LANE
   WHITE PLAINS, NY 10605
2. PROPERTY LOCATION: 87 FAIR STREET,
   CARMEL, NY 10512
3. ZONE: R-120
4. TAX MAP NO.: 44.15-1-37
5. PROPOSED USE: MULTI-FAMILY
6. PARKING REQUIREMENTS: 1 PS / DWELLING UNIT
   3 DWELLING UNITS
   3 PS PROVIDED
7. UTILITIES: TOWN WATER & SEWER
8. SCHOOL: CARMEL SCHOOL DISTRICT
9. FIRE DISTRICT: CARMEL FIRE DISTRICT

ZONING COMPLIANCE INFORMATION

ZONING PROVISION	REQUIRED	EXISTING	PROPOSED	VARIANCE
LOT AREA	120,000 SF	27, 678 SF	27, 678 SF	92,322 SF
LOT COVERAGE	15%	7.7 %	7.7 %	NONE
LOT WIDTH	200 FT	197 FT	197 FT	3 FT
LOT DEPTH	200 FT	162 FT	162 FT	38 FT
FRONT YARD - EAST	40 FT	13 FT	13 FT	27 FT
FRONT YARD - SOUTH	40 FT	31 FT	31 FT	9 FT
REAR YARD - NORTH	30 FT	22 FT	22 FT	8 FT
REAR YARD - WEST	30 FT	85 FT	85 FT	NONE
HEIGHT	35 FT	24 FT	24 FT	NONE
OFF-STREET PARKING (1PS/DU, 3				
DU'S), OFFICE 500/200 = 3	6	6	6	NONE
USE	1 FAMILY RES.	2 FAMILY RES,	2 FAMILY RES.	USE VARIANCE
	1 FAMILY RES.	ACCESSORY APT.	ACCESSORY APT.	APPR.-ZBA 12/16
	1 FAMILY RES.	OFFICE	OFFICE	APPR.-ZBA 12/16



1 SITE PLAN



3 LOCATION MAP

ARCHITECTURAL VISIONS

2 MUNCOOT ROAD NORTH
MAHOPAC NY, 10541
P: 845-628-6613
F: 845-628-2907

PROJECT:
KAMALA ASSOCIATE LLC.

PROJECT ADDRESS
87 FAIR STREET CARMEL, NY
HELI 2

MAILING ADDRESS
6 CLIFTON LANE
WHITE PLAINS, NY 10605

TAX MAP NO. 44.15-1-37

SITE PLAN

REVISIONS

SCALE
AS NOTED

DRAWN BY/CHKD BY
GLD/— JLG

PROJECT NO.
05-17-16

A-101

THE LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE

ONE SUFFOLK SQUARE
1601 Veterans Memorial Highway
Suite 330
Islandia, New York 11749
T 631.656.3222 F 631.750.8050
www.thelaurogroup.com

Via US Mail | Via Fed Ex | ❖Via Hand Delivery

LETTER OF TRANSMITTAL

July 17, 2017

TO:
Town of Carmel Planning Board
Office of the Town Engineer
60 McAlpin Avenue
Mahopac, NY 10541
ATTN:
Rose Trombetta

RE:
Shoprite - Carmel
184 NYS Route 52
Carmel, NY 10512
LG Project No.: LG12-0514

WE ARE SENDING YOU: ❖**Attached** Under Separate Cover **...the following items:**

❖**Multiple Items** Applications Architectural Drawings ❖**Civil Drawings**

MEP Dwgs Specifications Shop Drawings ❖**Other (per below)**

COPIES	DATE	DESCRIPTION
5	7/17/2017	Site Plan Package (Rev.2; sheets C0.0 - TR1.0)
1	---	CD of documents/plans

THESE ARE BEING TRANSMITTED:

For Signatures As Requested For Your Use Approved as Noted For Approval
Returned For Corrections ❖**For Review & Comment** Approved As Submitted

REMARKS:
Enclosed please find the above referenced plans and documents for your review. The plans have been revised to include additional parking information. Please note that additional revisions will be made to the plans per the Town Engineer's and Planning Board comments; however, the enclosed plans are intended to allow for the Planning Board to refer the project to the ZBA. If you have any questions or concerns please contact our office (631) 656-3222.

Signed:

Daniel Peveraro, P.E.
dpeveraro@thelaurogroup.com

cc: Wilson Rugel, ShopRite Supermarket Inc. (e-trans only)

Site Plan Package for Proposed Expansion of:
ShopRite Carmel
(Store #235)

PROJECT DATA

APPLICANT
WAKEFERN FOOD CORP.
176 NORTH MAIN STREET
FLORAL PARK, NY 11001
P (845) 554-2726

OWNER
UNITARY BRIDGE PROPERTIES, INC.
331 RAILROAD AVENUE
GREENWICH, CT 06830
P (203) 863-6200

REFERENCES

SURVEY
DALLAS SURVEYING GROUP
171 CHURCH LANE
NORTH BRUNSWICK, NJ 08902
P (732) 422-0700
DATED: 11-1-16

ARCHITECTURAL FLOOR PLAN & ELEVATIONS
KOSTMANN DOSCHER GROUP
2001 MARCUS AVENUE, LOBBY EAST WING
LAKE SUCCESS, NY 11042
P (516) 616-6111
DATED: 4-21-17

REPORT OF GEOTECHNICAL INVESTIGATION
KOR MECHANICS DRILLING CORP.
3770 BEDFORD ROAD
SELDEN, NY 11784
P (516) 221-2333
DATED: 5-17-17

GOVERNING AGENCIES

MUNICIPALITY
TOWN OF CARMEL
ENGINEERING DEPARTMENT
60 McALPIN AVENUE
MAHOPAC, NY 10541
P (845) 628-1500

NEW YORK STATE
DEPARTMENT OF TRANSPORTATION
REGION 8
4 DUBOIS BOULEVARD
POUGHKEEPSIE, NY 12603
P (845) 431-8057

UTILITIES

SEWERS:
CARMEL SEWER DISTRICT #2
(HAMLET OF CARMEL)
60 McALPIN AVENUE
MAHOPAC, NY 10541
P (845) 628-2067

WATER:
CARMEL WATER DISTRICT #2
(HAMLET OF CARMEL)
60 McALPIN AVENUE
MAHOPAC, NY 10541
P (845) 628-2087

GAS:
CENTRAL HUDSON GAS AND ELECTRIC (SOUTHEAST GAS)
25 CENTRAL HUDSON WAY
FISHKILL, NY 12524
P (845) 452-2700

ELECTRIC:
NYSEG BROEWSTER ELECTRIC
TOMAHAWK CORPORATE PARK
35 ARLAN ROAD
BREWSTER, NY 11789
P (800) 342-5600 EXT. 2

TELEPHONE:
VERIZON VAHALLA HUDSON VALLEY
500 SUMMIT LAKE DRIVE
VAHALLA, NY 10595
P (914) 226-8564

VICINITY MAP
NTS

184 NYS Route 52
Carmel, Putnam County
New York, 10512
Tax Map ID: Sheet 44.9, Block 1, Lot 9

SHEET INDEX

Know what's below. Call before you dig. 1-800-272-4480

TOTAL PERMITS

No.	Date	By	Revision
1	07/06/17	GA	Planning Board Submission
2	07/26/17	GA	Per Comments
3	07/27/17	GA	Per Comments

PERMIT SET

Project: 2016-0814 | Drawn by: GA | Checked by: JP | Date: 07/27/2017 | Scale: 1" = 20'-0"

Client/Owner: Gulf Environmental Holdings Inc. 1 Wakefern Drive Jericho, NY 11753

LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE
One Suffolk Square 1001 Veterans Memorial Hwy. Suite 300 Islandia, NY 11749
T 631.958.3223 F 631.232.2820 Project # LG12-0814-CP2

Site Plan Package for Proposed Expansion

SHOPRITE
184 NYS Rte 52
Carmel, NY 10512
Tax Map ID: Sheet 44.9, Block 1, Lot 9

COVER SHEET
SHEET C0.0
1 OF 17

Know what's below.
Call before you dig.
1-800-272-4480

GENERAL NOTES

1. Prior to all activities, the contractor shall inspect and verifies all documents prepared for the project, the existing current conditions of the site and all applicable jurisdictional requirements. Any discrepancies encountered shall be reported in writing to the Engineer of Record prior to construction.
2. All necessary precautions to protect the general public, R.O.W.s, adjacent property, site workers in terrain, employees, etc., are the responsibility of the contractor including safety programs, precautions, fencing, traffic control, signing, etc. Should any of the above be damaged, the contractor shall repair/replace them at his own expense. All work shall be performed in accordance with OSHA and all other applicable codes.
3. Utility information shown hereon is a compilation of records, surveys, site inspections, etc. available at the time of plan preparation. The contractor shall verify prior to all activities the accuracy and completeness of this information. Furthermore, the contractor shall contact all utilities on grid via the Dial "One Call" system to ensure complete work not in the field and that all service lines have terminated. Should any discrepancies or conflicts arise, immediate report, the contractor shall contact the Engineer of Record immediately
4. All unsuitable and/or deleterious materials, unsuitable soil, construction debris, etc. encountered or removed from the site shall be disposed of off-site as required and as specified by the applicable jurisdictional agencies and laws local, state or federal.
5. It is the contractor's responsibility to contact and coordinate the removal, relocation or adjustment of utility poles/fixtures with the owning company
6. Maintenance and protection of traffic is the responsibility of the contractor. Any and all measures necessary to ensure safe vehicular and pedestrian traffic flowing and other construction shall be provided by the contractor, including but not limited to pavement markings, signage, barrels, lights, police aide, etc. Such methods and means shall be in accordance with the MUTCDCT MANUEL
7. Methods and materials of construction shall conform to the standards and specifications of the concerned jurisdictional agencies and OSHA unless otherwise specified herein
8. Forty eight (48) hours prior to commencement of any work at the site, the contractor shall notify the Town Planning/Engineering Department.
9. All ADA accessible facilities (parking, ramps, sidewalks, street parks, etc.) shall be in conformance with the RTS/UBC, ICC/ANSI A117.1, and all local, state and federal agency requirements.
10. All Professional Certifications, Controlled Inspections and other Certifications and scheduling are the responsibility of the owner/contractor.
11. The contractor shall not substitute materials, make revisions or alterations to the plans, or deviate from the approved documents without prior written consent of the Engineer of Record
12. Dimensions scaled by drawing reproduction methods, these documents shall not be scaled for determining established dimensions.
13. The contractor shall have an appropriate Licensed Professional Geotechnical Engineer on site to inspect, monitor and verify soil conditions and composition and that they are adequate to support the proposed site elements displayed herein. Should deviations or inconsistencies appear, he shall notify the Engineer of Record immediately
14. The contractor is responsible to ensure that approvals and permits have been procured and are current prior to construction activities. Moreover, he shall ensure that upon replacement documents from the various agencies contains work which other necessitate for safe and proper construction of the project.
15. HVAC and mechanical equipment shall be installed on the building roof
16. Building dimensions are to outside face of wall. Refer to Architectural Design drawings
17. The Plans do not purport to indicate the suitability of items noted to remain on the subject property or in the Town/City Right-of-Way, inclusive of structural stability, adherence to the Subject Building Code(s) or design criteria, etc. The property owner/contractor shall independently verify that existing items to remain are in good repair and are suitable for non-prior to construction.

SITE PLAN NOTES

1. Signs to be field under separate application
2. Lighting fixtures shall be "full cutoff" type and shall be shielded so as not to produce glare or direct illumination across boundary property lines.
3. Locations of existing and proposed curbs shown are approximate and must be confirmed independently by the contractor with the utility companies prior to commencement of construction. If discrepancies exist, notify the engineer immediately in writing.
4. Stormwater runoff inside property to be collected on-site with no overland runoff onto right-of-way or adjacent properties.
5. Good base material, construction debris, excess soils, etc. shall be properly removed and disposed of off-site in accordance with all applicable codes, ordinances and laws.
6. The contractor is responsible to take precautions necessary in accordance with NY Standards and Specifications for Erosion and Sediment Control to prevent sediment and/or loose debris from washing onto adjacent properties.
7. Overhead signage to comply with the latest NYS MUTCD standards.
8. All sidewalks, curbs, and pavement damaged by construction activities shall be repaired or replaced, whichever specified on the plans as well
9. All on site curbing to be concrete cast unless noted otherwise.
10. Pedestrian and/or removal of crossing safety poles, traffic signs, etc., shall be coordinated by the contractor. The contractor is responsible for hold-harmless clear presence.
11. Excavation shall be properly back filled with clean materials. The contractor shall refer to geotechnical reports. The contractor shall be responsible for excavation bracing and shall submit such reports and results to the engineer of record and owner
12. Work within the right-of-way of NYS Route 52 shall be performed in accordance with all applicable requirements of New York State Department of Transportation standards.
13. Refer to traffic plans by others for all work in the New York State right-of-way.
14. Contractor shall repair entering shoulder and curbing as ordered by NYSDOT engineer
15. A permit is required from the Building Department for any blasting operations.

REMOVALS NOTES

1. Erected fences shall be along the depositions with a straight line. Proposed pavement shall meet existing pavement along the curved line first such as top, lower column shall be digital
2. All existing ACM's (Asbestos Containing Material) within the proposed work area shall be removed from the work area prior to removal activities and disposed of according to local, state, and federal guidelines. The contractor shall be responsible for any removal planning and/or notifications as may be required.
3. The Contractor shall refer to the Geotechnical Report (if available) and/or retain a Geotechnical Engineer for proper, site specific backfilling requirements and/or any required certifications and inspections.
4. Buildings denoted on these plans to be removed shall include the building foundations, associated underground piping/conduits, footings, etc. unless otherwise noted.
5. The Contractor shall exercise proper caution when performing removal activities and/or proposed work adjacent to existing structures, specifically structures to remain. The contractor shall be responsible for ensuring the structural stability of adjacent structures prior to performing work in the vicinity
6. The Contractor shall be responsible to dispose/replace any items that are damaged/removed that are not within the subject property work scope. Contractor shall contact the Engineer of Record if any questionable items prior to their removal
7. The Contractor shall be responsible for maintaining a safe work environment for his own use, sub-contractors, inspectors, utility workers, the general public, etc.
8. The Contractor shall maintain a safe work site for pedestrian and vehicular traffic exhibiting right of way adjacent to the subject property. Maintenance and protection of vehicular and pedestrian traffic during all phases of construction shall be the contractor's responsibility.
9. The means and methods of construction, unknown at proposed concepts, are the responsibility of the Contractor and shall conform to permanent structures of latest edition of the State Building Code and local codes as may be required
10. The contractor shall install a temporary erosion fence around the subject work area in accordance with State Building Code and local codes.
11. The contractor shall be responsible for verifying the exact location, size, and depth of any existing utilities, conveyance structures, structures, conduit, etc. on the subject parcel(s). Existing items shown hereon depict only other sources in locations and are a consolidation of record sources, exact dimensions made available at the time of the preparation of the plans, evidence of above ground structures, etc. and may not depict all existing above-ground or below ground items on site.
12. The contractor must call the local One Call number prior to any disturbances, as required. However, the contractor is advised that any materials from the One Call number and information depicted on these plans may be incomplete and/or inaccurate.
13. Underground storage tanks (UST's), if encountered, shall be completely emptied, cleaned and removed from the subject parcel in accordance with federal, state, county and local requirements prior to other removal activities.

GRADING AND DRAINAGE NOTES

1. All erosion control measures are the responsibility of the contractor and shall be in accordance with the Town and NYSDEC requirements. No sediment and/or loose debris of any kind shall flow off site.
2. All proposed curbs, unless otherwise noted, shall have a 6" reveal
3. All structures/ferrit from the subject property shall be collected and stored on site.
4. Contour and storm analysis from the building were taken from the Architectural MEP drawings at the time of plan preparation. The contractor shall verify that they are consistent with the final Architectural MEP drawings prior to construction.
5. All cast iron pipes, partial/replacement for sanitary and storm structures (piping or proposed) shall be anti-jacketed (lock with the pavement or grade, as appropriate.
6. The contractor shall comply to the latest extent with the latest standards of OSHA structures and any other agency having jurisdiction for excavation and trenching procedures. The contractor shall ensure support systems, shoring, bracing, and other means of protection as appropriate for the prevailing conditions. This includes but is not limited to means and agents from all excavation and trenching
7. Should dewatering be required for the installation of any facilities disposal forms, the contractor is responsible for permit process from the appropriate jurisdictional agency and the deleterious therein.
8. At the conclusion of construction activities, the contractor shall clean all drainage structures on site in the vicinity of the work area and in ROW fronting the work area to ensure proper functionality
9. Proposed drain pipe shall be 6"ø PVC SDR 35, unless otherwise noted.
10. Drainage installations/piping shall be HDPE ADS N-12 unless noted otherwise noted.
11. Pavement slopes in ADA areas shall conform to the latest applicable standards and shall not exceed 1:20 in ADA parking and loading areas.

UTILITY NOTES

1. The crossing of water and sewer lines shall be as follows:
   A. Sewer lines shall be laid below the water line with a vertical separation of at least eighteen inches between the bottom of the water line and the top of the sewer line.
   B. Sewer line joints shall be at least 10 feet from the point of crossing
   C. When local conditions prevent placement of the water line above the sewer line, the following additional conditions apply:
      a. A vertical separation of at least eighteen inches shall be provided between the bottom of the sewer line and the top of the water line
      b. Water line joints shall be at least ten feet from the point of crossing.
      c. Sewer lines shall be constructed of materials and joints that are in accordance with water main standards of construction and shall be pressure-tested to ensure watertightness prior to backfilling
2. Water service shall be a minimum 4.5 feet below grade. Connecting water service piping shall be type "K" copper tubing (refer to approved plans for water service and for backflow prevention physical installation).
3. All proposed and existing utility locations, points of entry, and sizes are schematic only and are based upon information available at the time of plan preparation. The actual lengths, sizes, and locations of valves, plugs, manholes, valves, meters, etc. are subject to change based on utility company requirements. Contractor shall verify the requirements and ensure of responsibility of each utility company and coordinate the installation of all utilities prior to commencement of construction
4. Contractors to furnish and install all underground conduits and/or pipes for all area utility services (gas, water, electric, telephone/cable) in accordance with utility company standards. All utilities, conduits and associated appurtenances shall be furnished and installed in the manner in accordance with the utility company specifications, as and as all other appropriate governing agencies.

SOD LAWN SPECIFICATIONS

1. Prior to sod installation, existing subgrade shall be loosened by means of rototilling or tilling to a depth of 6", free of debris with topsoil (4" min.), free of stones and rolled free of all debris larger than 2" diameter
2. All lawns to receive sod shall be amended with limestone and fertilizer prior to the determined by soil pH test and compacted using a 200 pound roller. The area shall be thoroughly watered and allowed to dry prior to placement of sod.
3. Sod to be drought tolerant blend grown by DeLaite Sod Farms or approved equivalent.
4. Sod shall be laid tight together with staggered joints staggered. All dead and/or dying sod shall be replaced prior final inspection.
5. Sod shallow thoroughly watered at time of installation and routinely watered by contractor and/or owner to maintain moisture during the first two growing seasons.

IRRIGATION NOTE

Contractor to provide a complete system for both lawn and bed areas. Design is to be submitted to the project professional Architect for review and approval. Contractor to verify static pressure prior design. Contractor is responsible for any pressure increasing / reducing devices to meet equipment manufacturer's requirements as well as all necessary permits for any required DEC's. Irrigation System Design shall include all necessary valves, piping, heads, drip lines, backflow prevention, controllers and meters for repairs. All shrubs under paved areas shall be shrubs.

TOWN OF CARMEL WATER SERVICE NOTES

1. Contractor shall meet with Town Engineer to develop a "Water System Work Plan" prior to start of construction and two weeks prior to start of work on water mains.
2. All water service connections must be Copper
3. Gate valves shall be AWWA resilient wedge type, as manufactured by Mueller Company, Model A-2360-20, or approved equal, conforming to the latest AWWA Standard for Gate Valves - 2" through 48" - for Water and Other Liquids, AWWA Designation C-509
4. Access to and indexing (2" shaft to 250 psi working pressure. The valve body and bonnet shall be ductile iron. All exterior and interior metal surfaces shall be coated with a two-part thermosetting epoxy complying with AWWA C550.
5. Valves shall have dual "O" ring seals, molded stress, resilient wedge seals in accordance with AWWA Designation C-509 and shall be constructed so as to provide unobstructed full port clearance when fully open and removable resilient stream when closed. The point of the valves shall be mechanical joint.
6. All valves shall be arranged to open in counter clockwise direction unless otherwise specifically indicated and operating nuts shall be 2" square.
7. Valves shall be cannot to a pressure of not less than two times the working pressure.
8. All hydrants shall be no lesser in size than six inch mechanical joint inlet connection and shall be equal to the Mueller Centennial A-421, with one 4 1/2" pumper nozzle and two 2½" hose nozzles.
9. Water Service Saddles shall be equal to those manufactured by Mueller, Model 216" x 1" DR Series Brass Saddle, Double Band.
10. Corporation stops shall be equal to those as manufactured by Mueller Company, Model B-25008 series, NRS end of the same manufacturer. Each corporation stops shall meet the requirements of AWWA Specifications No. C800.
11. Curb valves (meters) shall be equal to those as manufactured by Mueller Company, Model H-15514 and shall conform to AWWA Specifications No. C600.
12. Curb boxes shall be equal to those as manufactured by Mueller Company and shall be Brooklyn pattern type with arch pattern base model H-10314 all extensions rods shall be stainless steel
13. All fire hydrants shall be the approved AWWA type fire hydrants in conformance with the American Water Work's Association Standard for Fire Hydrants for Ordinary Water Work's Service, AWWA Designation C541, and shall have a 5-1/4" valve opening, a 6" mechanical joint inlet connection with an auxiliary gate valve (shoe equipped), a 6" mechanical joint shoe, and all appurtenances.
14. Fire hydrants shall be rated for a working pressure of 250 lbs. Fire hydrants shall be rated for a 4'-6" bury

TOWN OF CARMEL LANDSCAPE NOTES

1. Trees shall be balled and burlapped and shall not be less than two to 2 1/2 inches caliper, measured at a point above the top of the ball, not less than 8 to 10 feet high. They must be well branched, the branches to start not less than six feet from the crown of the root system. Trees shall be nursery-grown, and a nursery inspection certificate shall be available upon request.
2. In general, excavations for planting shall be at least one foot deeper and two feet wider than the ball of earth supplied with the tree. The pit shall be such tree and rounded with lower parts (spread) and one part humus and one-parts soil-dry-mix. Fertilizer shall be incorporated for an additional 12 inches from the bottom of the pit. Trees shall be adequately fertilized and watered at the time of planting and mulched with three inches of approved mulch immediately after planting. Stakes shall be placed within a tapered manner three inches deep and no large as the pit in diameter
3. Trees shall be staked and guyed immediately after planting. Stakes shall be under or not might last long, no less than two inches in diameter and driven into the bottom of the tree pit. Trees shall be guyed to the stakes using No. 10 wire covered with rubber hose or equal. The wire shall be fastened to the stake in such a manner that it will not slip or cause rubs contact with the tree trunk. The trunk of the tree shall be protected with tree wrappers paper.
4. Removal of stakes is required. The property must be left in a neat and orderly condition in accordance with good and accepted planting and tree surgery practices
5. Trees shall not be planted between May 15 and September 15 without specific authorization of the Planning Board.
6. Notice must be given to the Planning Board 30 days prior to the start of planting in order that the plants and trees may be inspected and approved for true variety, condition, size and quality. All work shall be subject to the general supervision and approval of the Planning Board and the Town Engineer.
7. Any tree improperly planted or not meeting the specifications of the approved and this chapter will be removed upon written demand of the Planning Board and replaced with properly planted trees that meet the specifications of this tree plan and this chapter. Any tree that does not survive or is in an unsightly condition at the end of one year shall be replaced by the owner of the property at no cost to the Town of Carmel. Said replacement shall be made within 60 days following written demand for such replacement or within a more extended period as may be specified by the Planning Board.

LEGEND

Existing	Item	Proposed
	Building	
	Covered Line	
	Property Line	
	Hydrant	
	Dep. Curb	
	Curb	
	Area Light	
	Building Light	
	Utility pole/Light Pole	
	Guy Wire	
	Sign	
	Traffic Barrier	
	Overhead Wires	
	Manhole Cover	
	Inlet(s)	
	Trench Inlet	
	Water Valve	
	Gas Valve	
	Gas Meter	
	Roof Drain	
	Bollard	
	Tree Line	
	Sign Label	
	Key Note Label	
	Parking Count	
	Spot elevation	115.00
	Top of Curb Bottom of Curb	TC 576.00 BC 575.50
	Drainage Line	
	Catch Basin	
	Contour Line	
	UG Electric Service	UGE
	UG Gas Service	
	UG Fire Service	FS FS
	Railing	
	Gate Location	
	Swale Line	
	Inlet Protection	
	Silt Fence	

NOTE:
CONTRACTOR SHALL TAKE EXTREME CARE WHEN WORKING ADJACENT TO PERSISTANT AREAS AND TENANTS. CONTRACTOR SHALL COORDINATE WITH THE TENANTS AND PROPERTY OWNER TO ENSURE PROJECT IS FRIENDLY TO ALLOW FOR CONTINUED USE OF ALL TENANTS DURING CONSTRUCTION.

Site Plan Package for Planning Commission

SHOPRITE
Hamlets No. 2
Carmel, NY 10512
Tax Map 6-Sheet 44-B, Block 1, Lot 9

THE LAURO GROUP
INTEGRATED ALLIANCES IN LAND USE
One Suffolk County: 1901 Veterans Memorial Hwy. Suite 339 Islandia, NY 11749
T 631.435.3222 F 631.785.8529 Project F.L.G.G.051.4C22

Owner/Preparer:
DMP ENGINEERING, PLLC
Professional Engineer
Mark Pasquale, P.E.
New York License No. 085893

No.	Date	By	Description
1	06/06/17	TJL	Planning Board Submission
2	08/07/17	TJL	Planning Board Submission
3	10/17/17	TJL	DEC Submission

Plot Date: 10/17/2017 Plot Time: 1:44 PM
Plot By: Tyler Lauro
Drawing File: C:\Users\Tyler Lauro\Desktop\F.L.G.G.051.4C22 Shoprite Hamlets No 2.dwg

TOTAL PERMITS

NOTES SHEET
SHEET C0.1
2 OF 17

Know what's below. Call before you dig. 1-800-272-4480

SITE DATA

Owner: Stewart Estate Properties Inc. 226 Railroad Avenue Greenwich CT 06830 (203) 661-6700	Site Tax Map No.: Sheet 44.3, Block 1, Lot 8
Applicant: Hudson Food Corp. 139 North Main St Florida, NY 10921 (845) 651-2726	Site Area: 1,831,115 SF OR 25.87 Ac
	Zone: Commercial
	Use: Designed Shopping Center

REFERENCES

Site Engineering Group 171 Chapin Lane Hyde Park, NY 12538 (845) 724-6700 DATE: 1/11/17	Fire Plan & Hydrants reviewed by: Pennsylvania Design Group 2901 Mount Ansley, Lobby Exit Wing Lake Success, NY 11042 (516) 616-0111 DATE: 4/24/17

BULK REQUIREMENTS

Zone: Commercial
Use: Designed Shopping Center

Item	Code	Permitted	Existing	Proposed
Min. Lot Area (Community Area Shopping Center)	§150-42	25 Acres	1,121,115 SF (25.8 Ac)	1,831,115 SF (25.8 Ac)
Min. Lot Width	§150-42	200'	±884.7'	±884.7'
Min. Lot Depth	§150-42	200'	±1,901.9'	±1,901.9'
Min. Front Yard	§150-42	40'	24.7'	24.7'
Min. Side Yard	§150-42	25'	53.7'	32.3'
Min. Rear Yard	§150-42	30'	175.7'	175.7'
Max. Building Height	§150-42	35'	<35'	<35'
Min. Floor Area	§150-42	5,000 SF	128,503 SF	147,339 SF
Max. Bldg. Est. Coverage	§150-42	30%	11.4% (129,503 SF)	13.0% (147,339 SF)
Landscape Buffer Height	§150-44.A	8'	0'	EXISTING TO REMAIN
Shopping Employees	N/A	N/A	50 per Shift	50 per Shift

PARKING REQUIREMENTS

Item	Code	Permitted	Existing	Proposed
Min. Parking Stall Size*	§150-8	10' x 20'	9' x 18'	9' x 18'
Min. Parking Stalls	§150-42 B.	905 Stalls	878 Stalls	888 Stalls
Min. Loading Bay Size	§150-8	12' x 35'	14' x 75'	14' x 75'
Min. Loading Stalls	§150-42 C.	8 Stalls	4 Stalls	8 Stalls
Min. Aisle Width	§150-42 D.	24'	24'	24'

PARKING
1 spaces for each 1,000 SF of gross floor area
Proposed Building Area = 147,339 SF
(147,339 SF / 1,000) x 6 = 884.03 Spaces
Total Parking Req'd = 885 Stalls

LOADING
5 for the first 50,000 SF of gross floor area, plus 1 for each additional 50,000 SF
Proposed Building Area = 147,339 SF
Total Loading Req'd = 8 Stalls

*Variance granted in March 1997 by the Town of Carmel ZBA for 9'x18' Stalls

VARIANCE REQUIRED

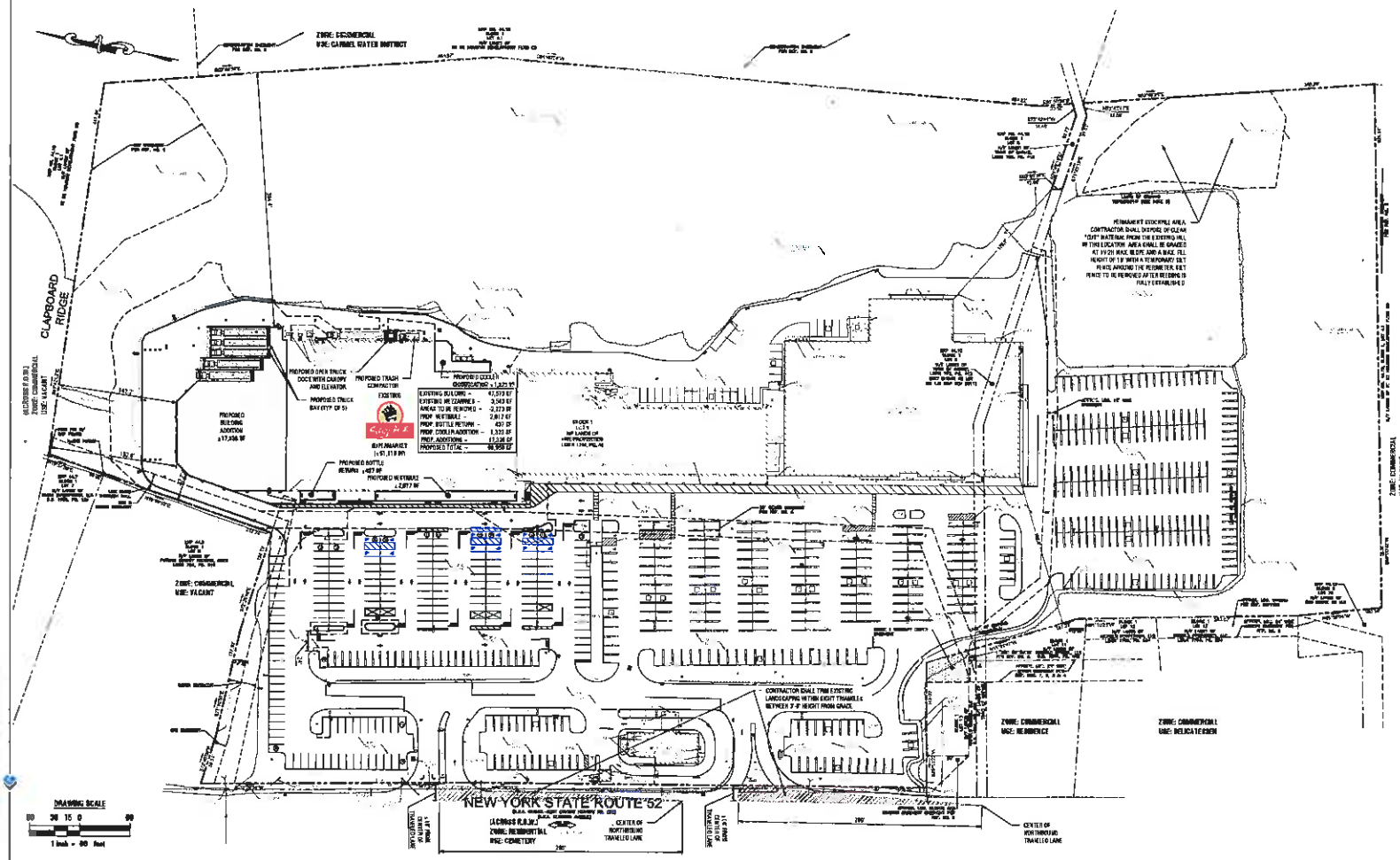
PREVIOUS VARIANCES GRANTED

Date	Variance	Result
January 1992	[illegible]	GRANTED
March 1992	Total Parking [illegible] Stalls (888 Stalls Provided)	GRANTED
October 28, 1996	[illegible]	GRANTED
October 28, 1996	[illegible]	GRANTED
[illegible]	[illegible]	GRANTED

VARIANCES REQUESTED

EXISTING NONCONFORMITY	REQUIRED	VARIANCE REQUESTED
878 Parking Stalls	905 Parking Stalls	905 Stalls (3.2%)
10' x 20' Parking Stalls	9' x 18' Parking Stalls	28 sq. ft. reduction in parking stall area

VICINITY MAP
N.T.S.



Site Plan Package for Proposed Equipment

OVERALL SITE PLAN

SHOPRITE

Hamlet Block 52
Carmel, NY 10512
Tax Map # Sheet 44.3, Block 1, Lot 8

SHEET C1.0

3 OF 17

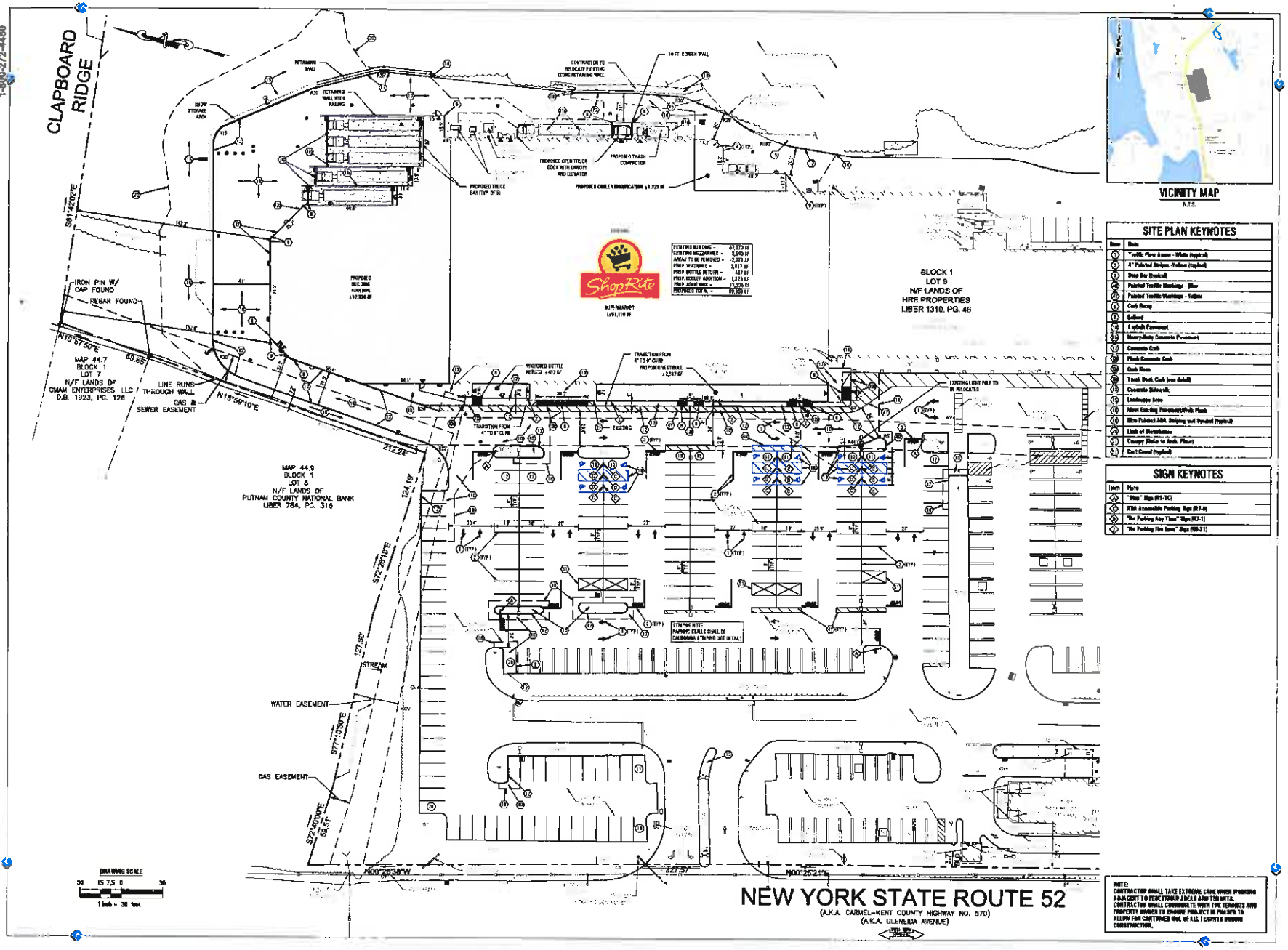
THE LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE
One Suffolk Square 1901 Veterans Memorial Hwy. Suite 230 Islandia, NY 11749
T 631.234.2222 F 631.780.8070 Project # LG1706154072

Owner Preparer:
DEPENDABLE TITLE, PLLC
Professional Engineer
New York License No. 090919

No.	Date	By	Revisions
1	06/06/17	GLA	Revised per Town comments
2	07/10/17	GLA	Revised per Town comments
3	07/31/17	GLA	Per Submittal

TOTAL PERMITS

PROJECT NO. 2-8-1
Project # 1706154072 Drawing # 1706154072-SP1.dwg Date 06/06/17



Keep what's below. Call before you dig. 1-800-272-4480

PARTIAL SITE PLAN

SHEET C1.1

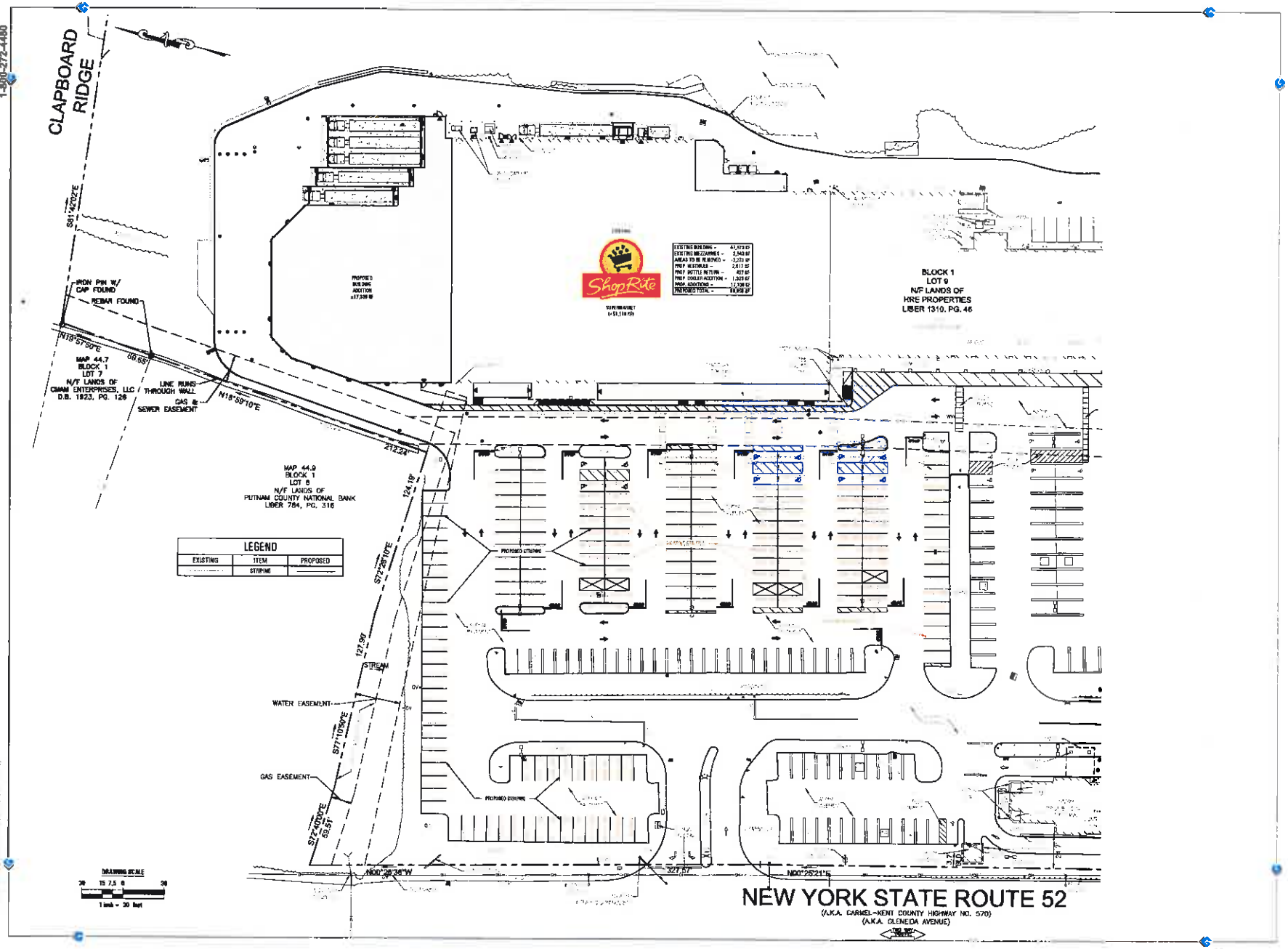
4 OF 17

Site Plan Package for Proposed Expansion

SHOPRITE

THE LAURO GROUP

TOTAL PERMITS



Know what's below. Call before you dig. 1-800-272-4480

PARKING LAYOUT PLAN

SHEET C1.2

5 OF 17

SHOPRITE

TOTAL PERMITS

THE LAURO GROUP

DIVERSIFIED ALLIANCES ON LAND USE

PERMIT SET

REMOVALS PLAN KEYNOTES

Item	Note
01	Asphalt Pavement
02	Building/Structure (including all Appurtenances)
03	Concrete Curb/Sidewalk/Step/Ramp
04	Drainage Structure/Drainage Piping
05	Sign
06	Ground Cover/Shrubs/Hedges/Landscaped area
07	Limit of Work
08	Miscellaneous Site Item (Labeled)
09	Bollard
10	Striping and Traffic Markings
11	Gas, Water valve
12	Water Service
13	Underground Electric Service / Electrical meter
14	Gas Service

Site Plan Package for Proposed Expansion

SHOPRITE
144 NYS Rte 52
Carmel, NY 10512
Tax Map # Sheet 44.8, Block 1, Lot 9

LAURO GROUP
OVERWHELMED ALLEGIANCE IN LAND USE
One Suffolk Square, 1901 Veterans Memorial Hwy, Suite 330, Islandia, NY 11749
T 631.232.2222 | F 631.232.0020
Project # 0512-0514-472

Owner/Preparer
DEPTUCAR CORPORATION, PLLC
Land Surveyors & Engineers
New York Licensed No. 075-0475

TOTAL PERMITS

No.	Date	By	Description
1	6/30/17	EA	Revised per Town of Carmel comments
2	8/28/17	EA	Revised per Town comments
3	9/18/17	EA	Revised per ARB comments

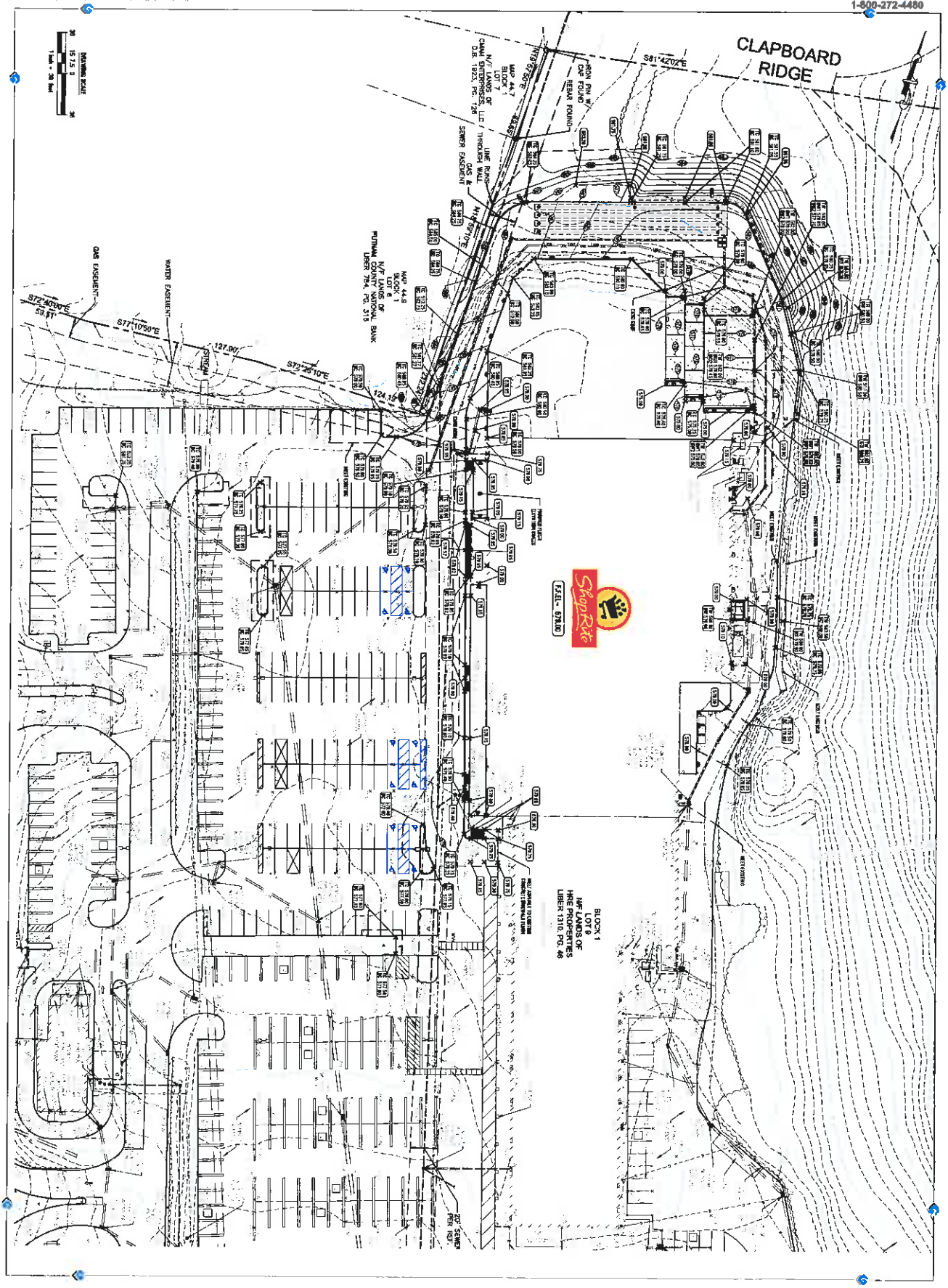
REMOVALS PLAN

SHEET C2.0

8 OF 17

Project # 0512-0514-472 | Drawing # 0512-0514-472-C2.0 | 08/28/2017

Before you dig, Call 811 before you dig. 1-800-272-4480



GRADING PLAN

SHEET C3.0

7 OF 17

Site Plan Package for Proposed Expansion

SHOPRITE

164 NYS Rte 52
Carmel, NY 10512
Tax Map #: Sheet 44.9, Block 1, Lot 6

THE LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE

One Suffolk Square 1801 Veterans Memorial Hwy Suite 330 Islandia, NY 11749
T 631.650.2222 F 631.750.8090 Project #: LD12-0814-CP2

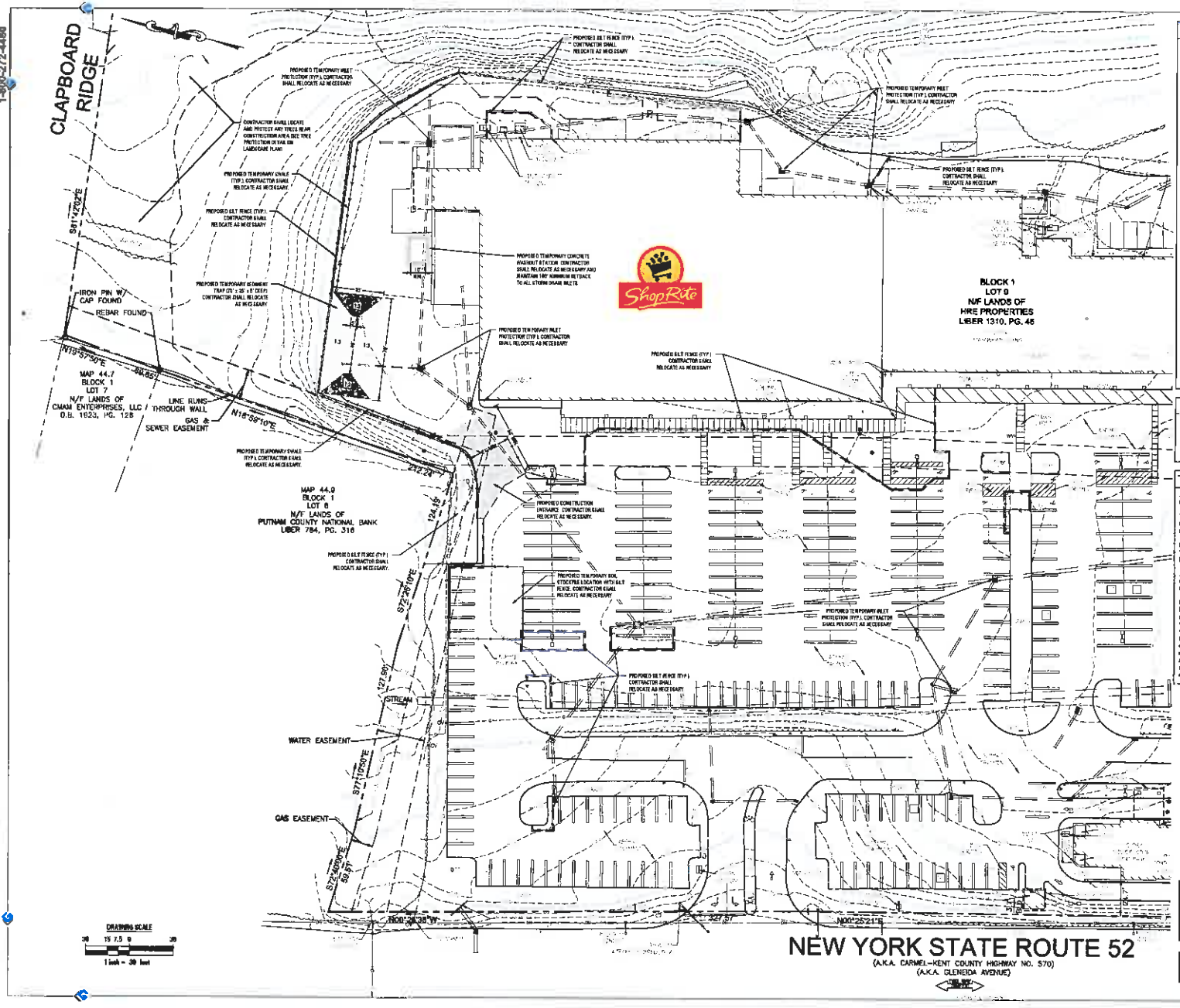
Original Prepared by
CPP ENGINEERING, PLLC
Professional Engineer
New York License No. 080725

No.	Date	By	Revision
3	4/28/17	KA	Planning Board Submission
2	5/12/17	KA	Revision per Town Comments
1	7/17/17	KA	PBA Submission

PERMIT SET

Project: PLS12-0814 Drawn by: LBM/AMJP Drawing #: LD12-0814-CP2 Date: 04/28/17

TOTAL PERMITS



EROSION AND SEDIMENT CONTROL NOTES

1. It is the Owner / Contractor's responsibility to provide erosion and sediment control measures during and after the construction of the project. Best Management Practices must be implemented in accordance with the standards and specifications of the New York State Department of Environmental Conservation (NYSDEC) per the most recent publications.
2. The suggested measures shown herein are the minimum and may be modified and/or supplemented by the Contractor with expressed approval from the Owner and Engineer of Record, provided they meet the appropriate requirements, standards and specifications of the NYSDEC, local municipality and all other jurisdictional agencies. Under all circumstances, they must prevent the accidental discharge of silt-laden runoff from leaving the site.
3. All stakeholder inspections of the installed measures and ensuring proper maintenance are the responsibility of the Owner / Contractor to ensure compliance and that their effectiveness has not been compromised as the result of a climatic event or the passage of time. Should any of these measures be damaged or functions before repairs, they must be re-established to 100% of their effectiveness.
4. All methods, procedures and measures for erosion and sediment control shall be installed with full knowledge, maintenance and compliance with all aspects of site plan and/or associated documents, including but not limited to the drawings, notes, specifications and and instructions of the Owner, Engineer of Record and other involved Professionals.
5. Once all the proposed improvements have been completed and accepted by all involved parties, the temporary erosion and sediment control shall be removed by the Contractor.
6. This and all associated documents have been prepared with information available at the time and are only valid through the time date indicated thereon. Since the site is subject to changes resulting from climatic events and other outside sources, the contractor is responsible to verify the conditions immediately prior to the commencement of work through field observations and other appropriate means. If conditions reveal that a change or impede the implementation of the proposed measures, he must immediately notify the Owner and Engineer of Record to be resolved prior to the commencement of work.
7. All drainage inlets in the vicinity of the work area shall be cleaned following completion of construction.
8. The locations of sediment control methods (silt fence, construction entrances, etc.) are approximate and may be relocated or eliminated as needed by the contractor in accordance with the approved SWPPP.
9. Permanent vegetation cover must achieve an 80% density per NYSDEC Standards.
10. No ground-disturbing activity shall commence prior to the installation of perimeter erosion and temporary sediment controls.

SEDIMENT BASIN DESIGN

Per the NYSDEC Blue Book, the minimum required sediment storage volume is 134 cubic yards (3,600 cubic feet) per acre of drainage area

Drainage Area = 1.62 Ac
Required Storage Volume = 1.62 Ac x 3,600 cf/Ac = 5,832 cf
Proposed Storage Volume (75' x 25' x 5' Sediment Basin) = 6,250 cf

TEMPORARY SEEDING SPECIFICATIONS

Fertilizer or lime are not typically used for temporary seedings

IF Spring or summer or early fall, then seed the area to the prescribed (annual or perennial) at 30 lbs. per acre (Approximately 0.7 lb /1000 sq. ft. or one 1 lb /1000 sq. ft.).

IF Late fall or early winter, then seed Cereal "Aroostook" winter rye (cereal rye) at 100 lbs. per acre (2.5 lbs /1000 sq. ft.)

Any seeding method may be used that will provide uniform application of seed to the area and result in relatively good soil to seed contact

Mulch the area with hay or straw at 2 tons/acre (approx. 90 lbs /1000 sq. ft. or 2 bales). Quality of hay or straw mulch allowable will be determined based on long term use and natural resources. Mulch anchoring will be required where wind or areas of concentrated water are of concern. Wood fiber hydromulch or other approved products approved for erosion control (tackifier tech or equal) may be used if applied according to manufacturers' specifications. Caution is advised when using nylon or other synthetic products. They may be difficult to remove prior to final seeding, and can be a hazard to young wildlife species

NOTE:
CONTRACTOR SHALL PHASE PROJECT SUCH THAT ALL STAGES REMAIN ACCESSIBLE TO EMERGENCY VEHICLES DURING CONSTRUCTION. ITEMS DEPICTED ON THIS PLAN SHALL BE LOCATED AS NECESSARY TO PROVIDE A DEFINITE STORMWATER PROTECTION TO WATERWAYS AHEAD THAT HAVE NOT BEEN STABILIZED.

PHASE I REPRESENTS ONE EVENING CONTROL PRACTICE TO BE IMPLEMENTED "PRE-CONSTRUCTION".

No.	Date	By	Description
1	06/16/17	EJ	Planning Board Submission
2	08/14/17	EJ	Planning Board Resubmission
3	11/13/17	EJ	Revisions
4	01/18/17	EJ	Site Submission

PERMIT SET
Project # 2016-0011 Drawing: 1-SWPPP.dwg Plotted: 1/18/2018 1:14:47 PM Date: 04/26/17

TOTAL PERMITS

THE LAURO GROUP
OVERWHELMED ALLIANCES IN LAND USE
Our Office Address: 1801 Veterans Memorial Hwy. Suite 330 Islandia, NY 11749
T 631.828.3222 F 631.828.3009 Project # 1-16-0614-02

Owner Properties
DGP Industrial Group, LLC
Brian Tuttle Licensed Agent
Brian Tuttle Licensed Agent
Phone: 631-828-3222

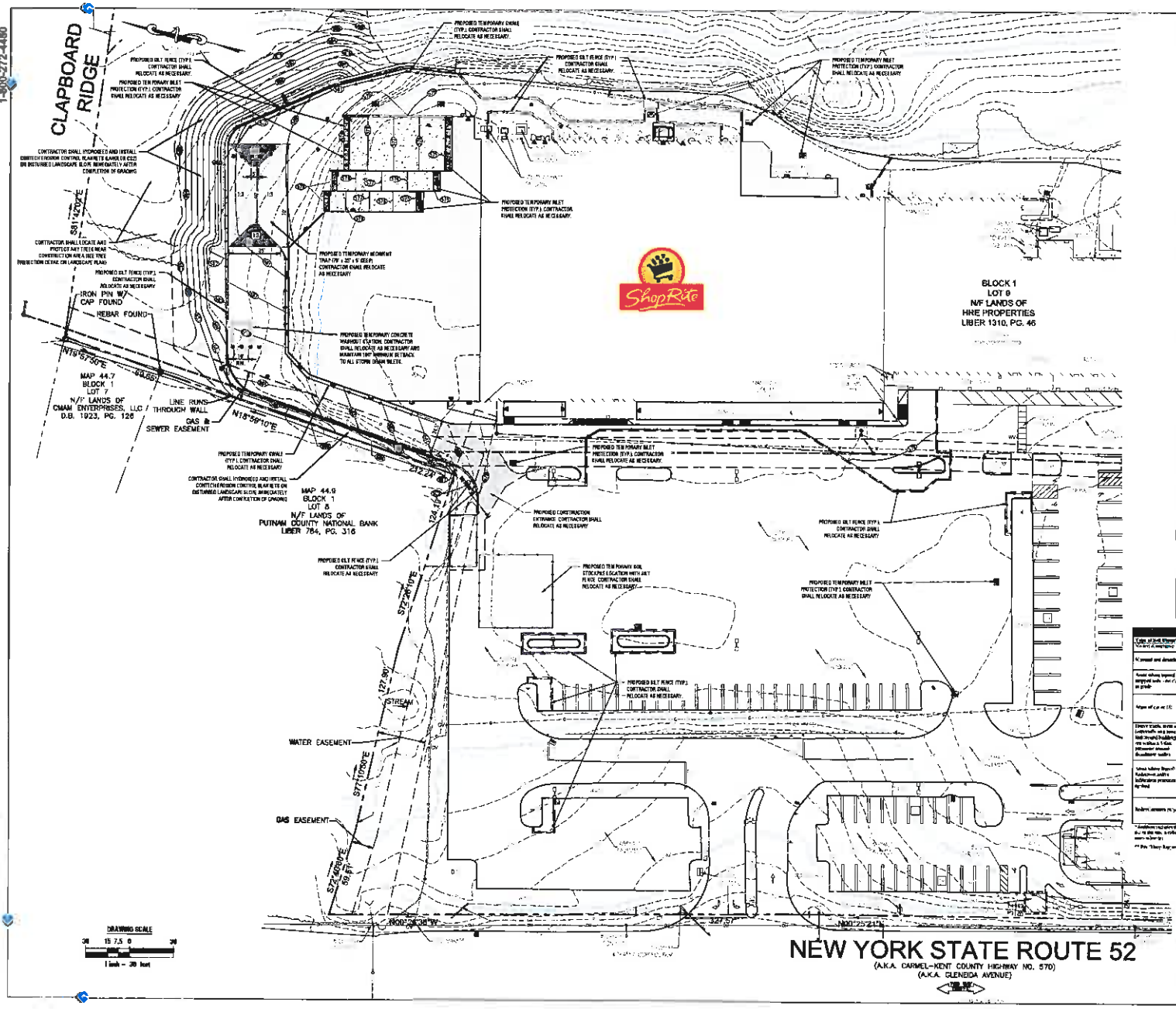
Site Plan Package for Proposed Construction

SHOPRITE
34 NYS Rte 52
Carmel, NY 10512
Tax Map #: Sheet 44.9, Block 1, Lot 8

STORMWATER POLLUTION PREVENTION PLAN (PHASE I)

SHEET C4.0
8 OF 17

Know what's below. Call before you dig. 1-800-272-4480



EROSION AND SEDIMENT CONTROL NOTES

1. It is the Owner's / Contractor's responsibility to provide erosion and sediment control measures during and after the construction of this project. Best Management Practices must be implemented in accordance with the standards and specifications of the New York State Department of Environmental Conservation (NYSDEC) per the most recent publications.
2. The suggested measures shown herein are the minimum and may be modified and/or supplemented by the Contractor with expressed permission from the Owner and Engineer of Record, provided they meet the appropriate requirements, standards and specifications of the NYSDEC, local municipality and all other jurisdictional agencies. Under all circumstances, they must prevent the accidental discharge of silt-laden runoff from leaving the site.
3. All necessary inspections of the installed measures and roadway site conditions are the responsibility of the Owner / Contractor to ensure compliance and that their effectiveness has not been compromised as the result of a climatic event or the passage of time. Should any of these measures be damaged or functioning below capacity, they must be re-established to 100% of their effectiveness.
4. All methods, procedures and materials for erosion and sediment control shall be installed with full knowledge, coordination and compliance with all aspects of this plan and the associated documents, including but not limited to the drawings, notes, specifications and oral instructions of the Owner, Engineer of Record and other involved Professionals.
5. Once all the proposed improvements have been completed and accepted by all involved parties, the temporary erosion and sediment control shall be removed by the Contractor.
6. This set of associated documents have been prepared with information available at the time and are only valid through the last date indicated thereon. Since the site is subject to change resulting from climatic events and other manifested sources, the contractor is responsible to verify the conditions immediately prior to the commencement of work, through field observation and other appropriate means. If conditions prevail that prevent or impede the implementation of the proposed measures, he must immediately notify the Owner and Engineer of Record to be reconciled prior to the commencement of work.
7. All drainage inlets in the vicinity of the work area shall be cleaned following completion of construction.
8. The locations of said erosion control methods (silt fence, construction entrances, etc.) are approximate and may be relocated or eliminated as needed by the contractor in accordance with the approved SWPPP.
9. Permanent vegetative cover must achieve an 80% density per NYSDEC Standards.
10. No ground disturbing activity shall commence prior to the installation of perimeter silt fence and temporary sediment controls.

PROPOSED CONDITIONS ACREAGE SUMMARY

ON-SITE	IMPERVIOUS AREA PERVIOUS AREA	1.34 Ac 0.28 Ac
TOTAL DISTURBED AREA		1.02 Ac

NOTE: REFER TO GRADING AND DRAINAGE PLAN FOR POST-DEVELOPMENT STORMWATER STORAGE CALCULATIONS

SEDIMENT BASIN DESIGN

Per the NYSDEC Blue Book, the minimum required sediment storage volume is 134 cubic yards (3,600 cubic feet) per acre of drainage area.

Drainage Area = 1.02 Ac
Required Storage Volume = 1.02 Ac x 3,600 cf/Ac = 3,672 cf
Proposed Storage Volume (75' x 25' x 5' Sediment Basin) = 6,000 cf

MAINTENANCE OF PERMANENT BMP'S

SYSTEM	MAINTENANCE REQUIREMENTS	FREQUENCY
CATCH BASIN	INSPECT & CLEAN FOR SOLID DEBRIS AS REQUIRED	ANNUALLY
CMP DETENTION SYSTEM	INSPECT & CLEAN FOR SOLID DEBRIS AS REQUIRED	ANNUALLY

Type of Soil Disturbance	Soil Restoration Requirement		Comments/Examples
No soil disturbance	Restoration not permitted		Preservation of Natural Features
Minimal soil disturbance	Restoration not required		Clearing and grubbing
Areas where topsoil is stripped only - no change in grade	HSG A & B apply 6 inches of topsoil	HSG C & D Aerate* and apply 6 inches of topsoil	Protect area from any ongoing construction activities.
Areas of cut or fill	HSG A & B Aerate and apply 6 inches of topsoil	HSG C & D Apply full Soil Restoration**	
Heavy traffic areas on site (especially in a zone 5-25 feet around buildings but not within a 5 foot perimeter around foundation walls)	Apply full Soil Restoration (de-compaction and compost enhancement)		
Areas where Runoff Reduction and/or Infiltration practices are applied	Restoration not required, but may be applied to enhance the reduction specified for appropriate practices.		Keep construction equipment from crossing these areas. To protect newly installed practice from any ongoing construction activities construct a single phase operation fence area
Redevelopment projects	Soil Restoration is required on redevelopment projects in areas where existing impervious area will be converted to pervious area.		

* Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini-subsoiler.

** Per "Deep Ripping and De-compaction, DEC 2008".

NOTE:
CONTRACTOR SHALL PHASE PROJECT SUCH THAT ALL STORES REMAIN ACCESSIBLE TO CUSTOMERS DURING CONSTRUCTION. ITEMS DEPICTED ON THIS PLAN SHALL BE LOCATED AS NECESSARY TO PROVIDE ADEQUATE STORMWATER PROTECTION TO DISTURBED AREAS THAT HAVE NOT BEEN STABILIZED.

PHASE II REPRESENTS SOIL EROSION CONTROL PRACTICES TO BE IMPLEMENTED "DURING CONSTRUCTION" UP TO THE COMPLETION OF CONSTRUCTION.

STORMWATER POLLUTION PREVENTION PLAN (PHASE II)
SHEET C4.1
9 OF 17

Site Plan Package for Proposed Expansion
SHOPRITE
184 NYS Rte 52
Carmel, NY 10512
Tax Map #: Sheet 44.8, Block 1, Lot 9

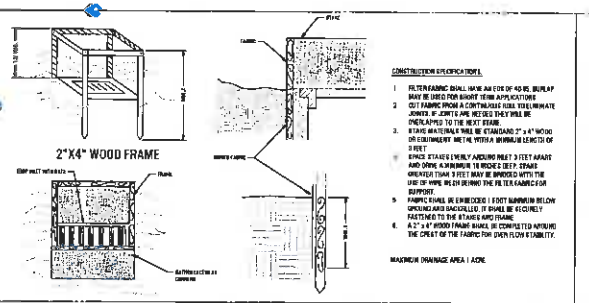
THE LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE
One Suffolk Square 1601 Veterans Memorial Hwy Suite 330 Islandia, NY 11749
T 631.858.2222 F 631.750.8090 Project #: LG12-0514-CP2

Daniel Peverara
DEP ENGINEERING, PLLC
Professional Engineer
New York License No. 088829

No.	Date	By	Revision
	4/26/17	KA	Planning Board Submission
1	6/13/17	KA	Revisions per Town Comments
2	7/17/17	KA	ZBA Submission

PERMIT SET
Project #: LG12-0514 Drawn by: LB/KA/LF Drawing #: LG12-0514-CP2 Date: 04/26/17

TOTAL PERMITS

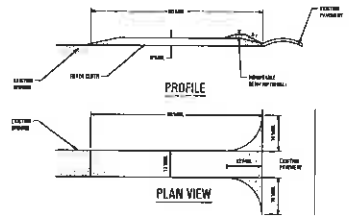


CONSTRUCTION SPECIFICATIONS

1. FILTER FABRIC SHALL HAVE AN EOS OF 40 MS. BURLAP MAY BE USED FOR SHORT TERM APPLICATIONS
2. CUT FABRIC FROM A CONTINUOUS ROLL TO ELIMINATE JOINTS. IF JOINTS ARE REQUIRED THEY SHALL BE OVERLAPPED TO THE NEXT STAKE.
3. STAKE MATERIALS SHALL BE STANDARD 2" x 4" WOOD OR EQUIVALENT. MEETING WITH A MINIMUM LENGTH OF 3 FEET
4. SPACE STAKES EVENLY AROUND INLET 3 FEET APART AND DRIVE A MINIMUM 18 INCHES DEEP. STAKE GREATER THAN 3 FEET MAY BE SPACED WITH THE USE OF WIRE MESH BEHIND THE FILTER FABRIC FOR SUPPORT.
5. FABRIC SHALL BE EMBEDDED 1 FOOT MINIMUM BELOW GROUND AND BACKFILLED. IF SHALL BE SECURELY FASTENED TO THE STAKES AND FRAME
6. A 2" x 4" WOOD FRAME SHALL BE COMPLETED AROUND THE CREST OF THE FABRIC FOR OVER FLOW STABILITY.

MAXIMUM DRAINAGE AREA 1 ACRE

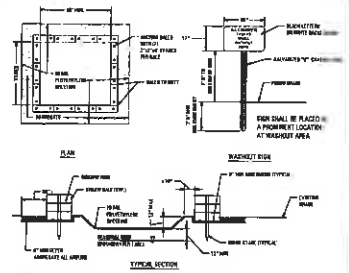
NYSDEC FILTER FABRIC DROP INLET PROTECTION — N.T.S.



CONSTRUCTION SPECIFICATIONS

1. STONE SIZE - USE 1" TO 3" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT
2. LENGTH - NOT LESS THAN 50 FEET (EXCEPT FOR A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN 6 INCHES.
4. WIDTH - THE FULL WIDTH OF THE ACCESS POINT WHERE VEHICLES ENTER THE SITE. WIDENING TO A WIDTH GREATER THAN THE FULL WIDTH OF ACCESS POINT MAY BE REQUIRED IF SEDIMENT IS BEING TRACKED ONTO PUBLIC RIGHT-OF-WAY.
5. THE ENTRANCE SHALL BE PLACED OVER THE EXISTING GRADE WITH A MINIMUM OF 2 INCHES OF AASHTO #1 STONE.
6. GEOTEXTILE FABRIC SHALL BE PLACED OVER THE EXISTING GROUND PRIOR TO THE PLACEMENT OF STONE.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASH RACK - IF WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT SHALL BE PROVIDED AS NEEDED.

NYSDEC STABILIZED CONSTRUCTION ENTRANCE — N.T.S.



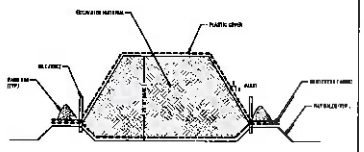
NOTES:

1. CONTAINMENT MUST BE STRUCTURALLY SOUND AND BE FREE AND CONTAIN ALL LIQUID WASTES
2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN THE LIQUID WASTES GENERATED.
3. WASHOUT MUST BE DESIGNED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE WASHOUT IS 75% FULL.
4. WASHOUT AREAS SHALL BE MAINTAINED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS
5. ONE OR MORE AREAS MAY BE DESIGNED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS CONSTRUCTION PROGRESSES
6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY

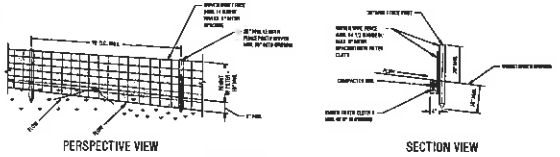
CONCRETE WASHOUT STATION — N.T.S.

STOCKPILE MANAGEMENT NOTES

1. PROTECTION OF STOCKPILES 30 A YEAR-ROUND REQUIREMENT.
2. LOCATE STOCKPILES A MINIMUM 50 FT. AWAY FROM CONCENTRATED FLOWS OF STORMWATER, DRAINAGE AND WATER.
3. IMPLEMENT SWMD EROSION CONTROL PRACTICES AS APPROPRIATE ON ALL STOCKPILED MATERIAL.
4. DURING THE RAINY SEASON, SOIL STOCKPILES SHALL BE PLACED ON AND COVERED WITH PLASTIC OR COMPARABLE MATERIAL AT ALL TIMES
5. REPAIR AND/OR REPLACE PERIMETER CONTROLS AND COVERS AS NEEDED, OR AS DIRECTED BY THE ENGINEER, TO KEEP THEM FUNCTIONING PROPERLY
6. SEDIMENTS SHALL BE REMOVED WHEN SEDIMENT ACCUMULATION REACHES ONE-THIRD (1/3) OF THE BARRIER HEIGHT.



EXCAVATED MATERIAL STOCK PILE — N.T.S.



CONSTRUCTION SPECIFICATIONS

1. WIRE FENCE FOR SILT FENCE SHALL BE AT LEAST 14 GAUGE WITH MESH OPENINGS NO LARGER THAN 6 INCHES.
2. FILTER CLOTH FOR SILT FENCE SHALL BE A PREFABRICATED FILTER FABRIC WITH A MINIMUM WIDTH OF 36 INCHES.
3. SPACE THE SECTIONS OF FILTER CLOTH ON SAME LINE WITH THEIR ENDS AT A POST. SECURELY FASTEN THE ENDS TOGETHER AT POST.
4. POST SPACING SHALL BE EVENLY SPACED AT 10 FEET MAXIMUM.
5. MAXIMUM DRAINAGE AREA SHALL BE PROVIDED AS BETWEEN AND NATURAL REMOVED WITH "SILT FENCE" DEVELOPED IN THE SILT FENCE

NYSDEC SILT FENCE — N.T.S.

CONSTRUCTION / BMP IMPLEMENTATION AND MAINTENANCE SEQUENCE

	BMP ACTIVITIES	MAINTENANCE FREQUENCY
PHASE I		
1. PRE-CONSTRUCTION MEETING	- DISCUSS SCOPE OF WORK - DISCUSS HOW BMPS WILL BE IMPLEMENTED	ONCE UPON KICKOFF
2 EVALUATE THE SITE	- IDENTIFY SOIL STOCKPILE STORAGE AND CONSTRUCTION STAGING AREAS	WEEKLY OR AS REQUIRED
3 INSTALL PERIMETER EROSION CONTROL PRACTICES	- PROTECT PERIMETER AREAS AS SHOWN ON THE PLANS - INSTALL SILT FENCE AS SHOWN ON PLANS - INSTALL TEMPORARY STABILIZED CONSTRUCTION ENTRANCE EXIT	WEEKLY OR AS REQUIRED
4 PREPARE THE SITE FOR REMOVAL	- FOLLOW REMOVAL PLAN	AS REQUIRED
5. PREPARE THE SITE FOR CONSTRUCTION	- ADJUST SILT FENCE AS REQUIRED AROUND AS SHOWN ON THE PLANS - LOCATE THE STOCKPILES AND ICE IN TRY ON PLANS	AS REQUIRED
6 PRE-GRADING	- INSTALL TEMPORARY OVERBURDEN INFILTRATION CHAMBER AS SHOWN OF THE PLANS - INSTALL TEMPORARY BERMS AS SHOWN ON THE PLANS - SITE EVALUATION INSPECTION BY QUALIFIED PROFESSIONAL (EQ ENGINEER OR NEC INSPECTOR) - ROUGH GRADE SITE	WEEKLY OR AS REQUIRED
PHASE II		
7 CONSTRUCTION FOUNDATION SYSTEM	- INSTALL FOUNDATION - PROVIDE TEMPORARY STABILIZATION OF BUILDING PAD AREA	AS REQUIRED
8 BUILD THE STRUCTURE(S) AND INSTALL THE UTILITIES	- GRADE SITE AREAS - STABILIZE EXPOSED AREAS - APPLY DUST CONTROL PRACTICES - INSTALL TEMPORARY RUN OFF AND DRAINAGE CONTROL - INSTALL NEW DRAINAGE SYSTEM - INSTALL TEMPORARY INLET PROTECTION FOR NEW SYSTEM	AS REQUIRED
9 MAINTAIN EROSION CONTROL PRACTICES	- MAINTAIN ALL EROSION AND SEDIMENT CONTROL PRACTICES UNTIL CONSTRUCTION IS COMPLETED AND SITE IS STABILIZED - INSPECT THE CONTROL PRACTICES A MINIMUM OF ONCE PER WEEK AND AFTER EVERY 1/2" RAINFALL - REMOVE SEDIMENT FROM SEDIMENT BASINS - SWEEP UP THE SOIL ON ROADWAYS DAILY - DO NOT FLUSH AREAS WITH WATER - INSTALL ADDITIONAL CONTROL MEASURES AS REQUIRED BY THE STATE, COUNTY & TOWN	AS REQUIRED
10. REVEGETATE SITE	- FINALIZE GRADING AND LANDSCAPING - ESTABLISH PERMANENT VEGETATION - WATER NEWLY SEEDED OR SODDED AREAS	ANNUALLY OR AS REQUIRED
11 REMOVE TEMPORARY EROSION CONTROL MEASURES	- REMOVE TEMPORARY EEC MEASURES WHEN 95% STABILIZATION ACHIEVED	AS REQUIRED
INSPECTIONS - PRE-CONSTRUCTION - 7 DAY - POST RAINFALL - POST CONSTRUCTION	- INSPECT SEDIMENT TRAPS, PERIMETER CONTROLS, STABILIZED ENTRANCE, INLET PROTECTION AND OTHER BMPS	AS REQUIRED

NOTES:

1. BMP ACTIVITIES IDENTIFIED FOR EACH PHASE DESCRIPTION SHALL BE IMPLEMENTED AT THE START OF EACH PHASE AND BE MAINTAINED UNTIL PERMANENT STABILIZATION IS ACHIEVED
2. IMPLEMENTATION OF BMP ACTIVITIES SHALL IN NO WAY RELIEVE THE CONTRACTOR OF OBLIGATIONS REGARDING OTHER CONSTRUCTION ACTIVITIES AND TIMETABLES

THE SEQUENCE SUMMARIZED HEREIN REPRESENT THE MINIMUM RECOMMENDATION OF THE OWNER'S PROJECT ENGINEER WHEN MUNICIPAL ENVIRONMENTAL RECOMMENDED PRACTICES [illegible] CONTRACTOR WHO PERFORMED AFTERWARDS OR WHO ACTS IN ANY MANNER CONTRARY TO THE PLANS OR SPECIFICATIONS WITHOUT PRIOR WRITTEN APPROVAL FROM THE OWNER'S PROJECT ENGINEER WILL BE HELD SOLELY RESPONSIBLE FOR ANY DAMAGES OR VIOLATIONS THAT MAY OCCUR. [illegible] CONSTRUCTION IS NOT CARRIED OUT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS, THE OWNER'S PROJECT ENGINEER MUST BE NOTIFIED TO THE ATTENTION OF THE OWNER'S PROJECT ENGINEER IMMEDIATELY AND ABOUT [illegible]

Know what's below. Call before you dig. 1-800-272-4480

811

STORMWATER POLLUTION PREVENTION PLAN DETAILS

SHEET C4.2

10 OF 17

Site Plan Package for Proposal Expansion

SHOPRITE

Hewlett Bay Park
Nassau County, NY 11010
Tax Map #: Sheet 44.B, Block 1, Lot 8

THE LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE

Corporate Headquarters
Oak Hollow Corporate Center, LLC
Two Commerce Drive
Melville, New York 11747

Corporate Headquarters
1001 Veterans Memorial Hwy. Suite 330 Islandia, NY 11749
T 631.958.3222 F 631.958.8008 Project # LBG-054-272

TOTAL PERMITS

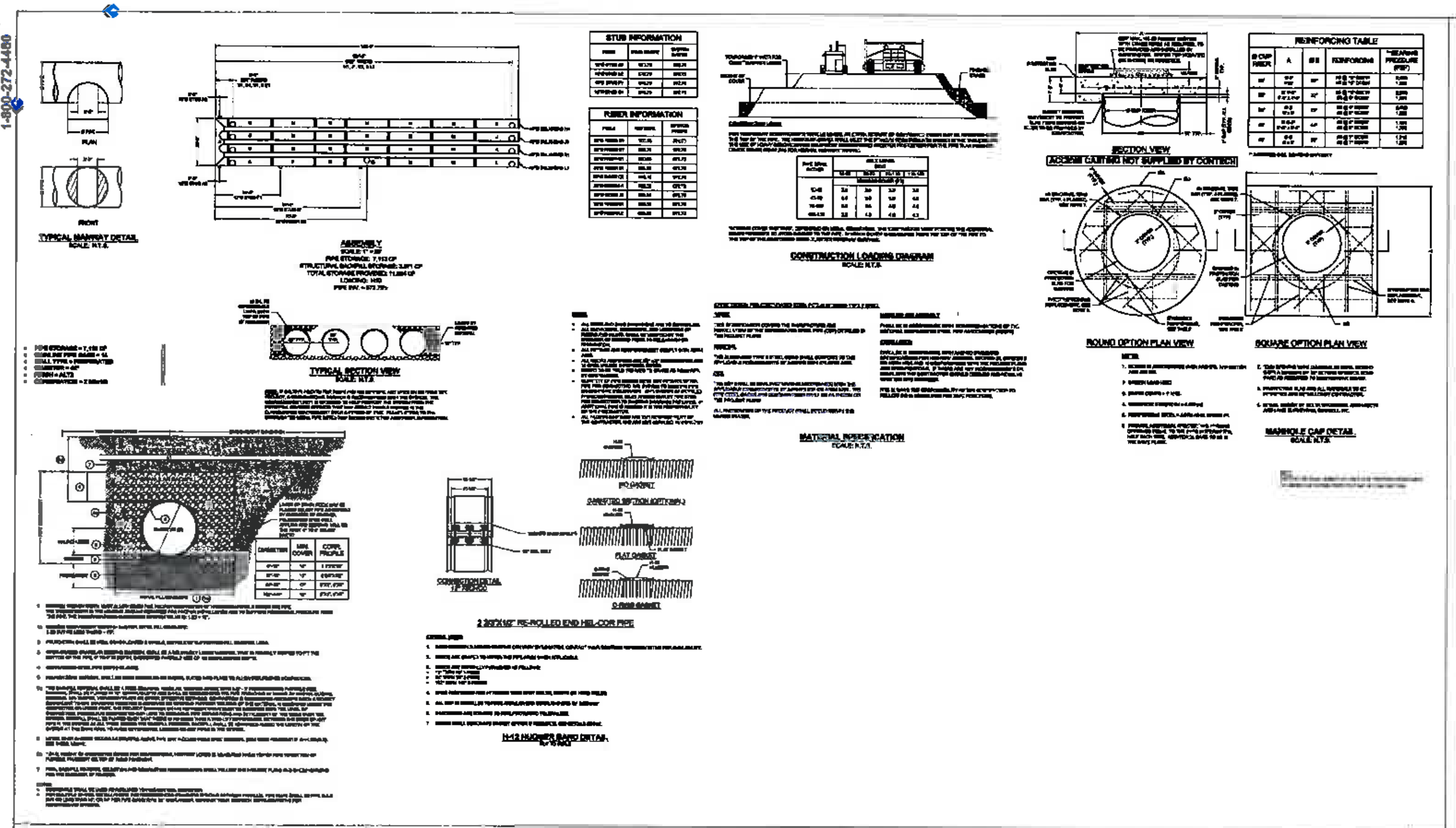
No.	Date	By	Revision
1	07/17/17	KA	Revised Storm Infrastructure
2	08/17/17	KA	Revised Site Plan Comments
3	11/17/17	KA	Site Submission

PERMIT SET

Project # LBG-054-272 Date 11/20/17

Drawing # LBG-054-272-C4.2 Drawing Scale 1" = 20'

811 Know what's below. Call before you dig. 1-800-272-4480



CONTECH CMP INFILTRATION SYSTEM DETAIL

N.T.S.

No.	Date	By	Revision
1	4/28/17	KA	Planning Board Submission
2	6/19/17	KA	Response to Town Comments
3	7/17/17	KA	ZBA Submission

PERMIT SET

TOTAL PERMITS

THE LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE
One Suffolk Square 1601 Veterans Memorial Hwy Suite 330 Islandia, NY 11749
T 631.858.3222 F 631.750.8050
Project #: 1612-0514-C72

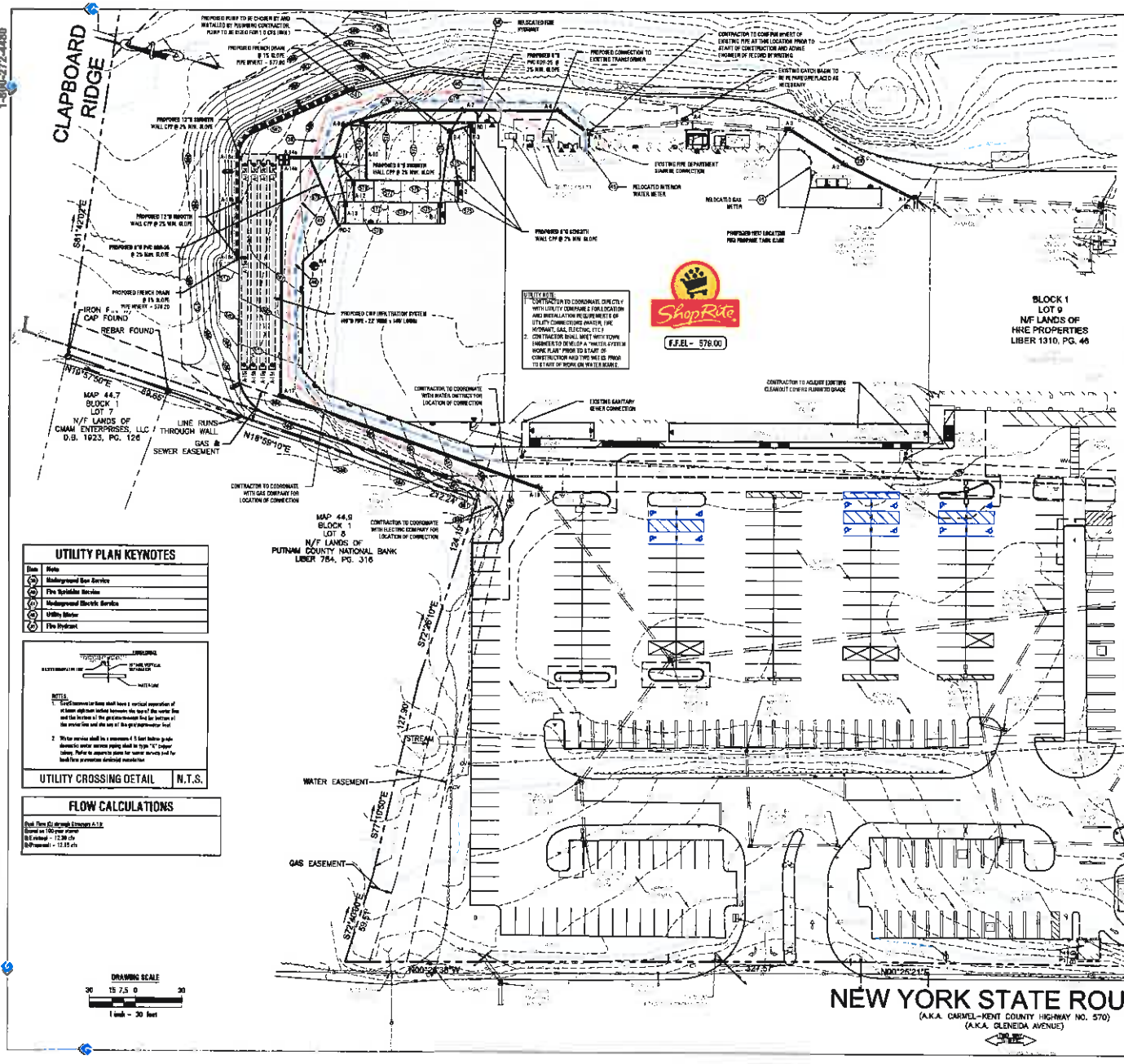
Site Plan Package for Proposed Expansion

SHOPRITE
184 NYS Rte 52
Carmel, NY 10512
Tax Map #: Sheet 44.8, Block 1, Lot 9

CONTECH DETAILS

SHEET C4.3

11 OF 17



UTILITY PLAN KEYNOTES

Item	Note
G	Underground Gas Service
FS	Fire Sprinkler Service
E	Underground Electric Service
UM	Utility Meter
FH	Fire Hydrant

UTILITY CROSSING DETAIL — N.T.S.

NOTES:

1. Good horizontal clearance shall have a vertical separation of at least eighteen inches between the top of the water line and the bottom of the gas/electricity line or between the top of the water line and the top of the gas/electricity line.
2. Water service shall be a minimum of 5 feet below grade. Domestic water service piping shall be type "K" copper tubing. Refer to separate plans for water service and fire hydrant protection detailed installation.

FLOW CALCULATIONS

Hydr. Flow (Q) through Elevator A-19
(Based on 100-year storm)
Q Existing = 12.30 cfs
Q Proposed = 12.15 cfs

DRAINAGE STRUCTURE SCHEDULE

STRUCTURE NAME	STRUCTURE TYPE		CASTING ELEVATION		INVERT DIRECTION	INVERT ELEVATION
A-1	EXISTING INLET TO REMAIN	CI	574.00		N	572.70
					E (EXISTING)	573.00
					W (FROM) DRAIN	570.30
					SW (FROM) DRAIN	574.90
					SE (FROM) DRAIN	574.10
A-2	4'Ø CATCH BASIN W/GRATE & GRATE	CI	575.00		N	575.00
					S	574.00
A-3	EXISTING INLET TO REMAIN	BR	576.67		SW (EXISTING)	574.10
					S (EXISTING)	576.00
A-4	EXISTING CATCH BASIN TO BE REMOVED AND REPLACED AS NECESSARY (GRT WITH 4")	CI	579.00		S	EXISTING
					W	EXISTING
A-5	4'x4' SQ. MANHOLE W/MANHOLE COVER	R	579.00		SE	EXISTING
					N	574.00
					SW (FROM) DRAIN	576.90
A-6	4'Ø MANHOLE W/MANHOLE COVER	R	579.05		ALL	574.00
A-7	4'Ø CATCH BASIN W/GRATE & GRATE	BR	576.00		SE	574.00
					NW	571.30
					W	576.90
A-8	4'Ø CATCH BASIN W/GRATE & GRATE	CI	576.00		ALL	573.00
A-9	4'Ø MANHOLE W/MANHOLE COVER	R	576.40		SE	573.30
					W	573.20
					N	576.75
A-10	20 LF TRENCH DRAIN W/2'x2' CATCH BASIN	BR	576.79		NW	576.15
A-11	4'Ø MANHOLE W/MANHOLE COVER	R	576.40		E	573.10
					NW	573.10
					SE	576.75
					SW	576.75
A-12	10 LF TRENCH DRAIN W/2'x2' CATCH BASIN	BR	576.75		SE	576.90
A-13	10 LF TRENCH DRAIN W/2'x2' CATCH BASIN	BR	576.79		NE	576.90
A-14	8' MH W/ STRUCTURE	R	580.66		SE	572.90
					NW	572.90
					TOP OF MUSH	576.75
					SW	576.90
A-15	CMP INFILTRATION SYSTEM (96"Ø PIPE; CAPACITY = 3,113 CF)	R	960.66	a	960.66	BOTTOM OF PIPE	572.76
				b	960.79		
				c	960.66	TOP OF PIPE	576.76
				d	961.66		
				e	961.16	INVERT IN	572.76
				f	962.29		
				g	962.36		
				h	962.36		
				i	962.46		
A-16	140 LF FRENCH DRAIN (1% MIN. SLOPE) AS A UTILITY AND DRAINAGE PLAN FOR FRENCH DRAIN PIPE INVERT ELEVATIONS	--	--			INVERT OUT - a	576.66
						INVERT OUT - b	576.54
						INVERT OUT - c	576.30
A-17	4'Ø MANHOLE W/MANHOLE COVER	R	574.86		ALL	574.86
A-18	4'Ø CATCH BASIN W/GRATE & GRATE	CI	576.10		E	572.25
					E (EXISTING)	572.33
PB-1	DROP DRAIN 8"Ø PVC 900.36 PIPE)	--	--		--	574.90
PB-2	DROP DRAIN 8"Ø PVC 900.36 PIPE)	--	--		--	575.90

STRUCTURE NAME	STRUCTURE TYPE		CASTING ELEVATION	INVERT DIRECTION	INVERT ELEVATION
B-1	10 LF TRENCH DRAIN W/2'x2' CATCH BASIN	CI	574.50	NW	572.30
B-2	10 LF TRENCH DRAIN W/2'x2' CATCH BASIN	BR	574.80	E	572.30
B-3	20 LF TRENCH DRAIN W/2'x2' CATCH BASIN	CI	574.80	S	572.30
B-4	4'Ø MANHOLE W/MANHOLE COVER & TRUE 5 BUBBLER Pulser	R	574.70	N	571.80

NOTES:
1) BR = BRICK, R = Rim
2) B-4 IS A REPLACEMENT OF EXISTING STRUCTURE AS REQUIRED. CONTRACTOR SHALL MATCH I.E. & 4'x4' SQ. CATCH BASIN W/GRATE & GRATE AND MATCH EXISTING PIPE INVERTS.

BORING LOG

B-4
(EL. 578.85') GROUND SURFACE

FEET	NO/SB	CLASSIFICATION
1	1	BLACKTOP 1"
2	2	BRN / DK GRAY BRN SILTY SAND TR. GRAVEL, ROCK FRAG. (SM)(4)
3	3	
4	4	GRAY DK GRAY BRN SILTY SAND TR. GRAVEL, ROCK FRAG. (SM)(4)
5	5	
10	6	
15	7	GRAY DK GRAY BRN SILTY CLAYEY SAND TR. GRAVEL, ROCK FRAG. (SC)(4)
20	8	GRAY DK GRAY BRN SILTY SAND TR. GRAVEL, ROCK FRAG., COBBLE (SM)(4)

REFUSAL @ 23' - 4"

No.	Date	By	Revision
1	6/19/17	CG	Planning Bd. Comments
2	8/18/17	CG	Planning Bd. Comments
3	9/19/17	CG	Final Submission

PRELIMINARY

Project # 2016-0215 Drawing: LB-SUM.dwg Date: 11/21/16 (LAST) Scale: 1"=30'

TOTAL PERMITS

THE LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE

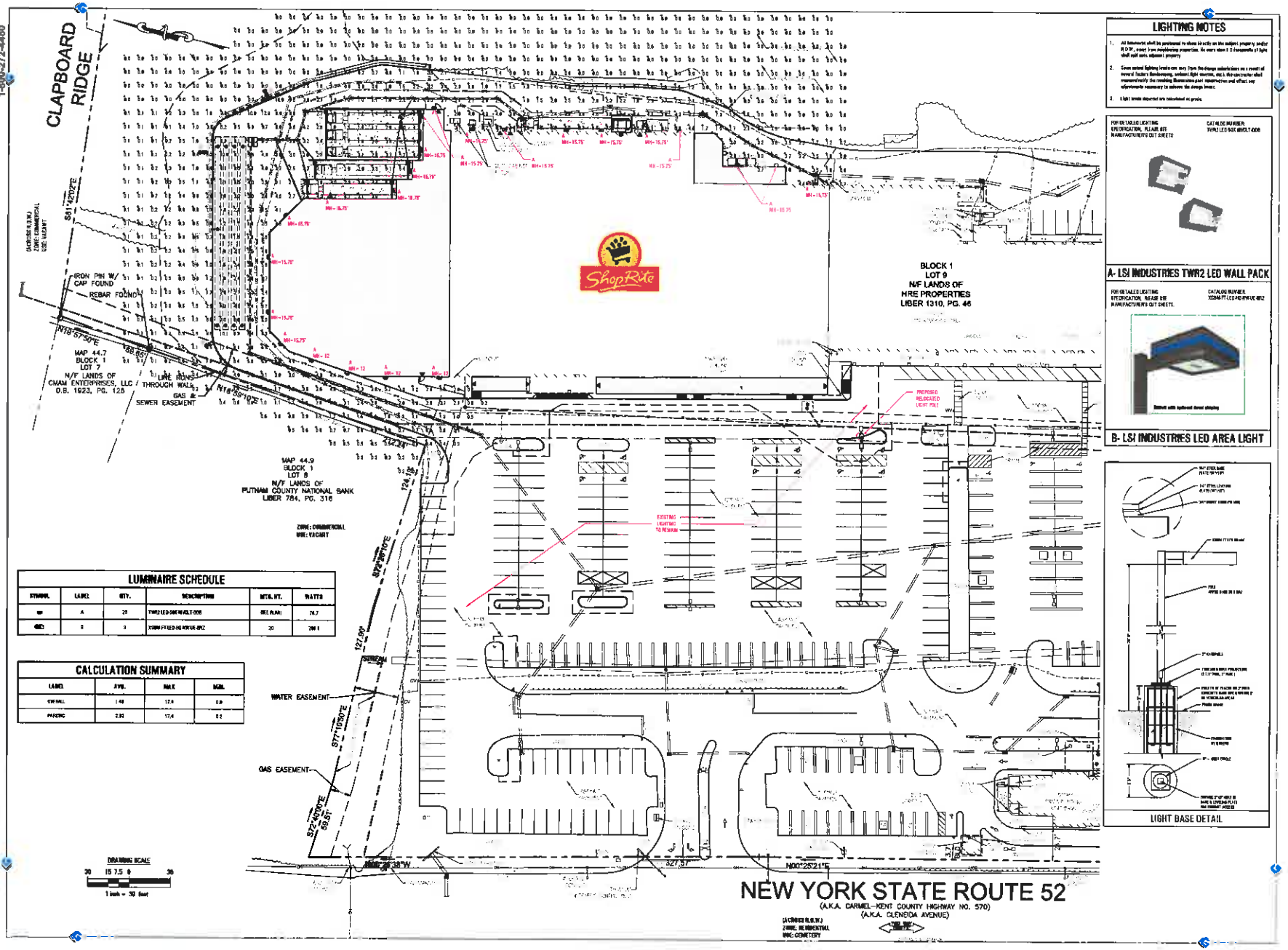
Our Suffolk County: 1001 Veterans Memorial Hwy. Suite 330 Hauppauge, NY 11788
T 631.358.3223 F 631.358.3226 Project FAX 012 0114272

Owner/Developer:
DEFINEDSTONE, LLC
1 Corporate Drive
New York Lawrence, NY 11559

Site Plan Package for Proposed Expansion

SHOPRITE
1 MARTIN RD.
Carmel, NY 10512
Tax Map #: Sheet 44.8, Block 1, Lot 8

UTILITY AND DRAINAGE PLAN
SHEET C5.0
12 OF 17



LIGHTING NOTES

1. All luminaires shall be positioned to shine directly on the subject property and/or R.O.W., away from neighboring properties. No more than 0.0 footcandle of light shall cast onto adjacent property.
2. Given actual lighting levels can vary from the design calculations as a result of several factors (landscaping, ambient light sources, etc.), the contractor shall responsibly modify the resulting illumination post construction and effect any adjustments necessary to achieve the design levels.
3. Light levels depicted are calculated at grade.

FOR DETAILED LIGHTING SPECIFICATION, PLEASE SEE MANUFACTURER'S CUT SHEETS

CATALOG NUMBER: TWR2 LED 50K WHOLT-DDB

A- LSI INDUSTRIES TWR2 LED WALL PACK

FOR DETAILED LIGHTING SPECIFICATION, PLEASE SEE MANUFACTURER'S CUT SHEETS.

CATALOG NUMBER: XSBM-FT LED HO NW UE-BRZ

Bollard with optional dome shielding

B- LSI INDUSTRIES LED AREA LIGHT

LIGHT BASE DETAIL

LUMINAIRE SCHEDULE

SYMBOL	LABEL	QTY.	DESCRIPTION	MTG. HT.	WATTS
	A	28	TWR2 LED 50K WHOLT-DDB	SEE PLAN	76.7
	B	3	XSBM-FT LED HO NW UE-BRZ	20	206.1

CALCULATION SUMMARY

LABEL	AVG.	MAX	MIN.
OVERALL	1.48	17.6	0.0
PARKING	2.32	17.4	0.2

Site Plan Package for Proposed Expansion

SHOPRITE
164-170 Route 52
Carmel, NY 10512
Tax Map 2-Sheet 44.9, Block 1, Lot 9

LIGHTING PLAN

SHEET C6.0
13 OF 17

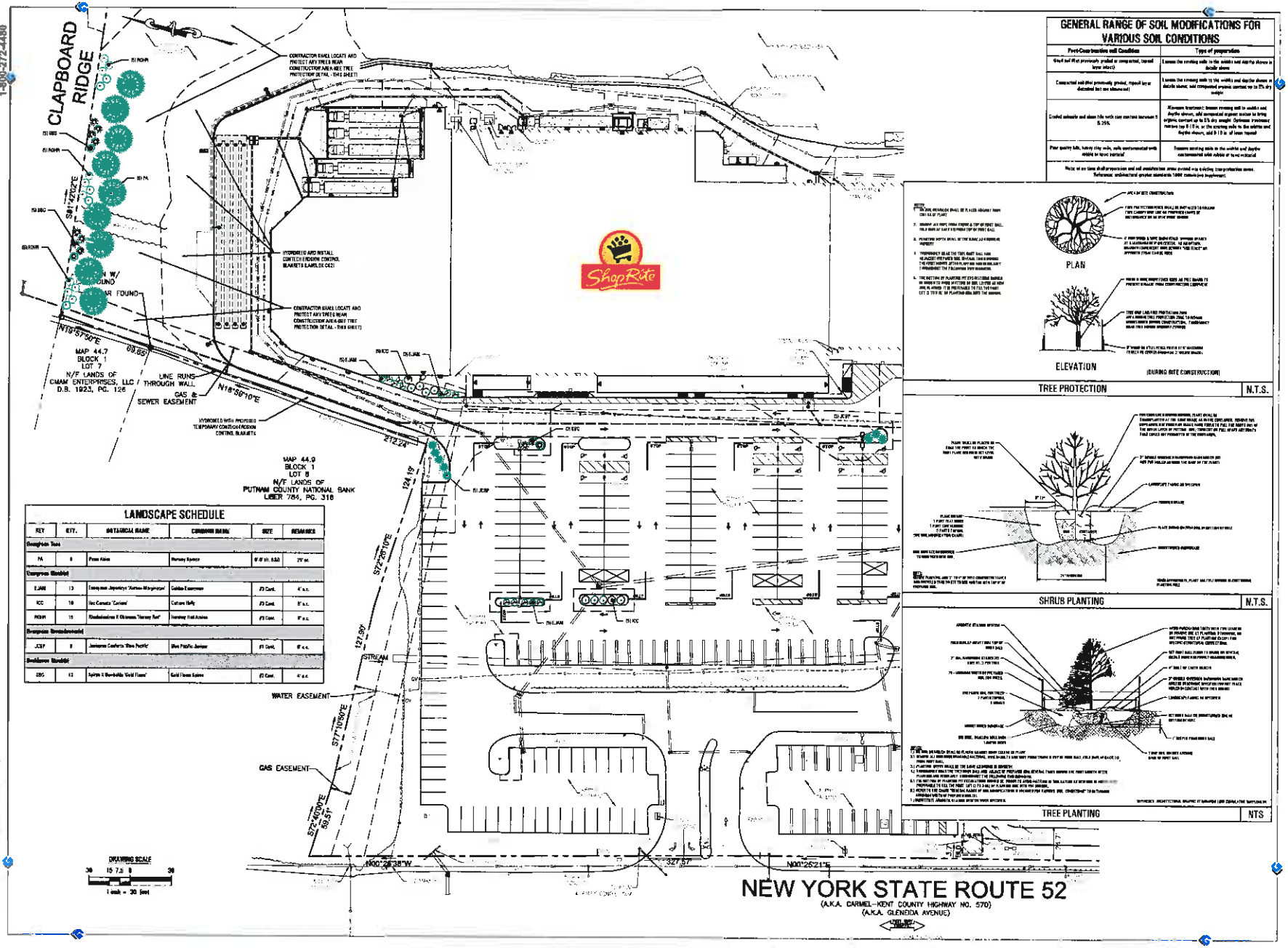
THE LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE
One Suffolk Square - 1901 Veterans Memorial Hwy, Suite 330, Islandia, NY 11749
T 631.435.3222 F 631.259.8030 Project F 631.912.9714 ext 672

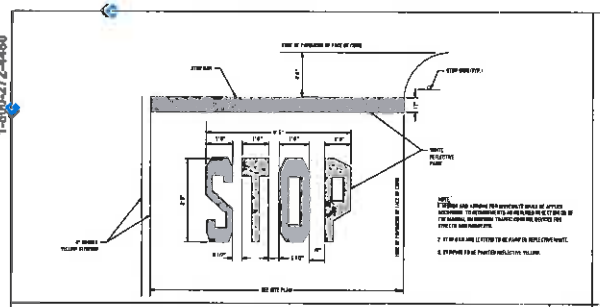
Owner Preparer:
DUFFY ENGINEERING, PLLC
Professional Engineer
New York License No. 085579

No.	Date	By	Description
1	07/06/17	EG	Planning Board Submission
2	07/24/17	EG	Planning Board Submission
3	08/21/17	EG	Revised Per Comments
4	11/13/17	EG	Site Submission

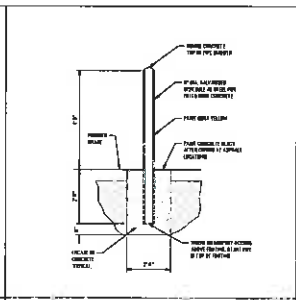
TOTAL PERMITS

Project File: Shop Rite - Carmel, NY
Drawing File: 1-Site Plan Package - Carmel.dwg
Date: 04/24/2017

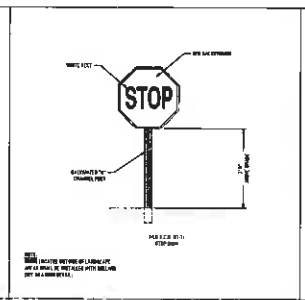

CLAPBOARD RIDGE
MAP 44.7
BLOCK 1
LOT 7
N/F LANDS OF
CMAM ENTERPRISES, LLC
D.B. 1923, PG. 126
MAP 44.9
BLOCK 1
LOT 8
N/F LANDS OF
PUTNAM COUNTY NATIONAL BANK
LIBER 784, PG. 318
GAS & SEWER EASEMENT
WATER EASEMENT
GAS EASEMENT
STREAM
NEW YORK STATE ROUTE 52
(A.K.A. CARMEL-KENT COUNTY HIGHWAY NO. 570)
(A.K.A. GLENIDA AVENUE)
ShopRite
DRAWING SCALE
1 inch = 30 feet
GENERAL RANGE OF SOIL MODIFICATIONS FOR VARIOUS SOIL CONDITIONS
Pre-Construction soil Condition
Type of preparation
PLAN
ELEVATION
(DURING SITE CONSTRUCTION)
TREE PROTECTION
N.T.S.
SHRUB PLANTING
N.T.S.
TREE PLANTING
NTS
LANDSCAPE SCHEDULE
KEY
QTY.
BOTANICAL NAME
COMMON NAME
SIZE
REMARKS
Evergreen Trees
Deciduous Shrubs
Deciduous Groundcover
Evergreen Shrubs
PA
EJAM
ICC
PGRM
JCEP
SBG
LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE
TOTAL PERMITS
SHOPRITE
LANDSCAPE PLAN
SHEET C7.0
14 OF 17



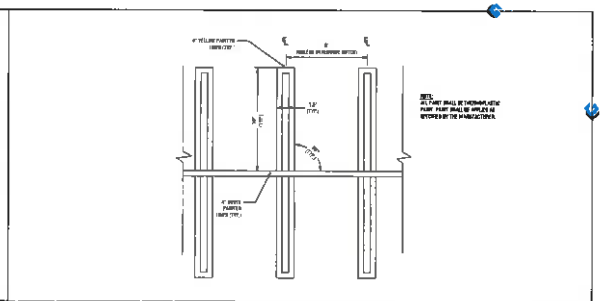
STOP BAR DETAIL | N.T.S.



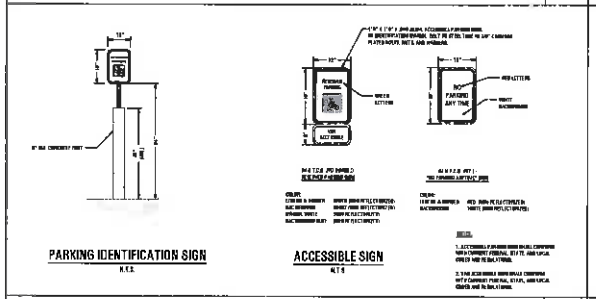
BOLLARD DETAIL | N.T.S.



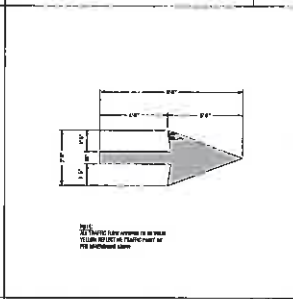
ON-SITE SIGN DETAIL | N.T.S.



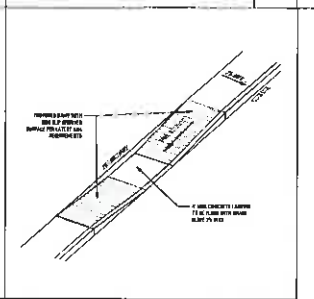
TYPICAL HEAD TO HEAD PARKING STALLS | N.T.S.



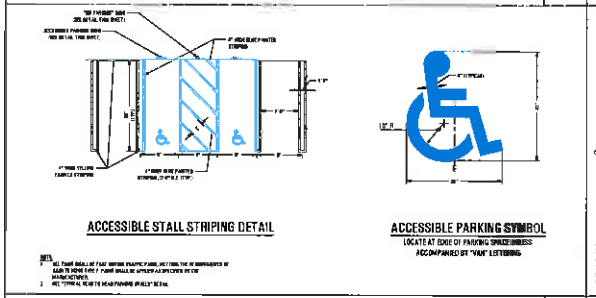
ADA SIGN DETAIL | N.T.S.



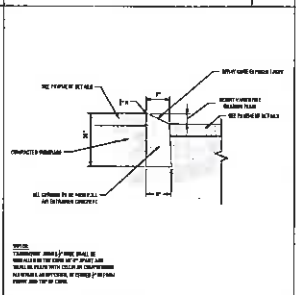
PAINTED TRAFFIC ARROWS | N.T.S.



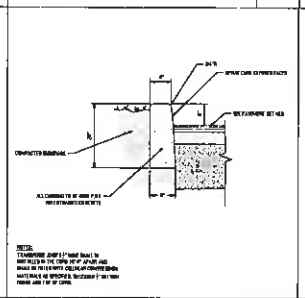
ON SITE ACCESSIBLE RAMP DETAIL | N.T.S.



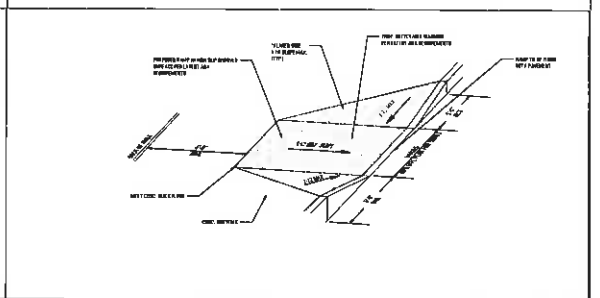
ACCESSIBLE STALL STRIPING AND PARKING SYMBOL DETAILS | N.T.S.



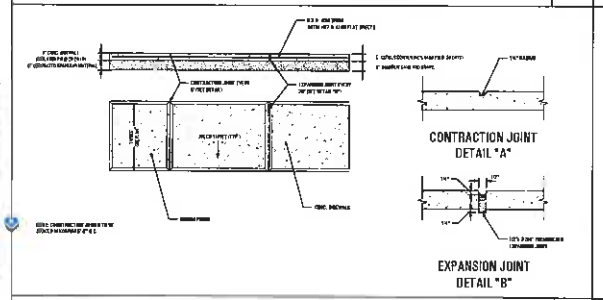
TRUCK DOCK CURB DETAIL | N.T.S.



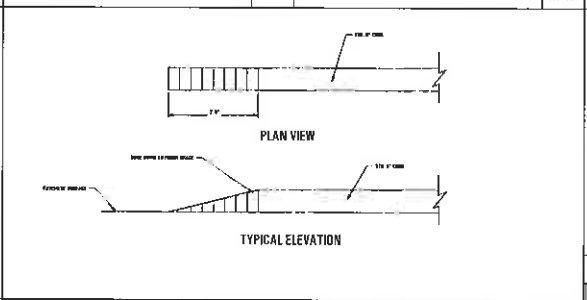
ON-SITE CONCRETE CURB DETAIL | N.T.S.



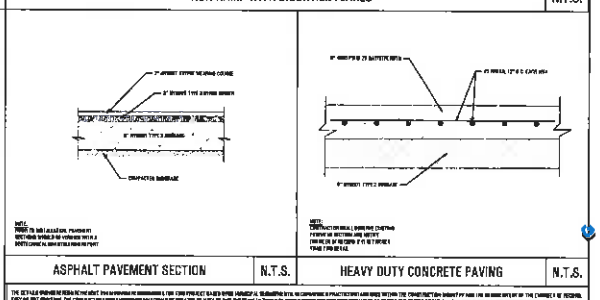
ADA RAMP WITH SIDEWALK FLARES | N.T.S.



CONCRETE SIDEWALK DETAIL | N.T.S.



CURB NOSING DETAIL | N.T.S.



ASPHALT PAVEMENT SECTION | N.T.S.

HEAVY DUTY CONCRETE PAVING | N.T.S.

THE DETAILS SHOWN HEREIN REPRESENT ONLY THE MINIMUM REQUIREMENTS FOR CONSTRUCTION. ALL CONTRACTORS IN PRACTICE MUST ADHERE TO THE CONSTRUCTION SUBMITTAL PROCESS OF THE OWNER OF RECORD. FIELD DETAILS CONSTRUCTED WITHOUT APPROVED SHOP DRAWINGS MAY BE REJECTED BY THE OWNER OF RECORD AND THE PROJECT PERFORMANCE REPORTED AS NOT MEETING PROJECT SPECIFICATIONS. ANY DEVIATIONS FROM THE PROVIDED STATE REPORTS FROM THE ARCHITECTURAL DRAWINGS MUST BE APPROVED BY THE OWNER OF RECORD. THE ARCHITECTURAL DRAWINGS MUST BE APPROVED BY THE OWNER OF RECORD. DEVIATIONS CONTEMPLATED MUST BE SUBMITTED ON THE LETTERHEAD OF THE OWNER OF RECORD. DEVIATIONS MUST BE APPROVED BY THE OWNER OF RECORD. DEVIATIONS MUST BE APPROVED BY THE OWNER OF RECORD PRIOR TO CONSTRUCTION. ALL CHANGE ORDERS

Site Plan Package for Proposed Expansion

SHOPRITE

Block 1, Lot 8

Tax Map 6 Sheet 44.0, Block 1, Lot 8

DETAIL SHEET I

SHEET C8.0

15 OF 17

No.	Date	By	Revision
1	2/16/17	CA	Revised Per Client
2	3/13/17	CA	Revised Per Comments
3	3/23/17	CA	Re-Submission

PERMIT SET

Project 1101.0015 | Drawn by: CA/VA/AP | Checked by: LS | 01/09/2017 | 03/23/17

TOTAL PERMITS

THE LAURO GROUP

DIVERSIFIED ALLIANCES IN LAND USE

One Suffolk Square | 1901 Veterans Memorial Hwy Suite 200 Islandia, NY 11749

T 631.234.5222 F 631.750.8639 Project F 631.234.5222

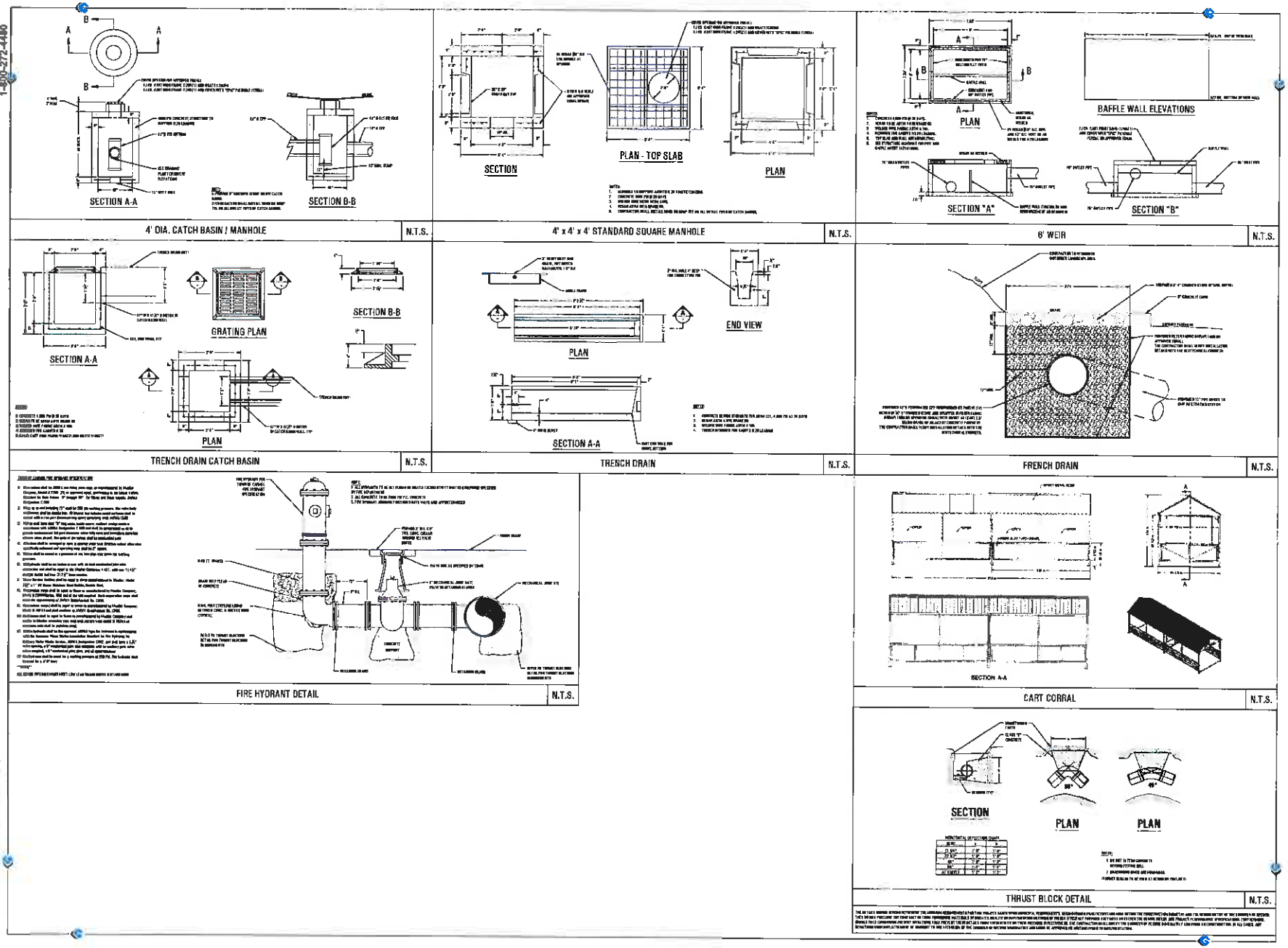
Civil Engineer

DRY BROOKSTONE, PLLC

Pro Forma Engineering

Rich Lauro Licensed Professional Engineer

Know what's below. Call before you dig. 1-800-272-4480



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Site Plan Package for Proposed Expansion

SHOPRITE

DETAIL SHEET II

SHEET C8.1

18 OF 17

THE LAURO GROUP

TOTAL PERMITS

Revisions

No.	Date	By	Description
1	07/06/17	CJ	Housing Authority
2	07/17/17	CJ	Site Comments
3	07/18/17	CJ	Site Comments

Know what's below.
Call before you dig.
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TRUCK RUN PLAN

SHEET TR1.0
17 OF 17

Site Plan Package for Proposed Equipment

SHOPRITE
LEASED PROPERTY
Lot 1, Block 1
Tax Map 8 (Sheet 44.5), Block 1, Lot 5

THE LAURO GROUP
DIVERSIFIED ALLIANCES IN LAND USE
One Old Country Road, Suite 330, Mineola, NY 11501
T: (516) 248-2222 | 800-750-3838 | Fax: (800) 951-4291 | Toll Free

Client Partners
CDT ENGINEERING, PLLC
Professional Engineers
New York & Licensed in Nationwide

No.	Date	By	Description
1	03/06/17	KC	Planning Board Submission
2	03/13/17	KC	Site Plan Submission
3	03/20/17	KC	Site Plan Submission

TOTAL PERMITS

PERMIT SET
Plans: 8.5x11 | Drawn by: KC | Checked by: JL | Drawing: A-LEASED-SP-CDT-TR1.0.dwg | Plot Date: 07/17/17 — 06/06/17

HERNANE DE ALMEIDA, P.E.
26 GLENVUE DRIVE, CARMEL, NY 10512
HERNANE@ENGINEER.COM
(914) 469-9741

Engineer's Report

Property owners: John & Jessica Sansevera

Subject property: 47 Gleneida Ridge Road
Carmel, 10512

Tax Map#: 55.5-1-4

Date: June 17, 2017

Hernane De Almeida
NYS License #90887

STATE OF NEW YORK
HERNANE DE ALMEIDA
LICENSED
090887
PROFESSIONAL ENGINEER

Site Description

The site is located in a single family zoned area and contains a one story single family residence and a detached garage. The property slope downward on toward three sides, the front, rear and left side property lines. The grade in the rear yard has the most significant of the three and has a grade of between 8% and 10%. Some of the rear yard is used for typical residential recreational use but is limited due to the slope of the yard that prevents the enjoyment of the property.

Project Description

In the interest of improving the characteristics of the property, the Sansavera's would like to lessen the grade in the rear yard to provide a larger area for their family to enjoy. The swing set currently in the property is on a slight incline and it is the anticipation of the homeowners to reinstall the swing set on level ground. The homeowners imported soil without knowledge of wrongdoing and were issued a stop work order prior to the completion of work. The work prosed will provide an area of approximately 60 feet by 80 feet of nearly level yard.

Soil Information

Approximately 75 cubic yards of soil to be used as fill material was imported from an excavation site in Rye, New York, transported to the site, and placed in the rear yard. Once a stop work order was issued by the town, the owner retained the services of a New York State licensed professional engineer. Under the direction of an engineer, erosion and sediment control was installed and soil testing was arranged.

Soil Testing

Five discrete soil samples were collected for an average of one sample per 15 cubic yards and from those samples, a composite was created. The number of samples was performed in accordance recommendations set forth in the New York State Department of Environmental Conservation, Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation (DER-10) table 5.4 (E) 10. While three discrete samples are recommended by the NYSDEC, DER for this projects soil quantity, five discrete samples were provided for testing.

Sampling was Soil testing was performed by an EnviroTest Laboratories Inc. under the parameters and requirements of title 6 New York Code, Rules and Regulations Part 375(6 NYCRR Part 375). Each of the discrete samples were tested for Volatile Organic Compounds (VOCs) while the composite sample was tested for Metals, PCBs/Pesticides and Semi Volatile Organic Compounds (SVOCs).

Results

The results from the laboratory are provided in Appendix A along with the chain of custody form. The test results provided by the laboratory have been compared to the parameters set forth by the NYSDEC for residential use as shown on Table 375-6.8(b). A comparison of the lab results to the New York State standards is illustrated in *Tables 1a-d* of this report. According to the results, the soil imported to the site has tested for contaminant levels below the strict maximum allowed limits set forth by the NYSDEC and is safe for the residential use as discussed earlier in this report and the use characteristic of the neighborhood.

Table 1a. Soil testing results-Metals

Metals			
Contaminant	**Residential Use Limit**	**Lab Result**	**Sample number**
Arsenic	16	4.1	Composite
Barium	350	99	Composite
Beryllium	14.0	0.62	Composite
Cadmium	2.5	<0.47	Composite
Chromium, hexavalent e	22	ND	Composite
Chromium, trivalent e	36	29	Composite
Copper	270	30	Composite
Total Cyanide e, f	27	<1.2	Composite
Lead	400	130	Composite
Manganese	2000	380	Composite
Total Mercury	0.81	0.21	Composite
Nickel	140	17	Composite
Selenium	36	2.4	Composite
Silver	36	1.9	Composite
Zinc	2200	130	Composite

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Table 1b. Soil testing results –PCBs/Pesticides

PCBs/Pesticides			
Contaminant	**Residential Use Limit**	**Lab Result**	**Sample number**
2,4,5-TP Acid (Silvex) f	58.0	<0.095	Composite
4,4'-DDE	1.8	<0.00029	Composite
4,4'-DDT	1.7	<0.00031	Composite
4,4'-DDD	2.6	<0.00036	Composite
Aldrin	0.019	<0.00022	Composite
alpha-BHC	0.097	<0.00075	Composite
beta-BHC	0.072	<0.00025	Composite
Chlordane (alpha)	0.910	<0.00030	Composite
delta-BHC g	100.00	<0.00034	Composite
Dibenzofuran f	14	<0.12	Composite
Dieldrin	0.039	<0.00049	Composite
Endosulfan I d, f	4.8	<0.00018	Composite
Endosulfan II d, f	4.8	<0.00041	Composite
Endosulfan sulfate d, f	4.8	<0.00047	Composite
Endrin	2.20	<0.00064	Composite
Heptachlor	0.042	<0.00018	Composite
Lindane	0.28	<0.00081	Composite
Polychlorinated biphenyls	1.0	<0.025	Composite

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Table 1c. Soil testing results –Semivolatile Organic Compounds

Semivolatile organic compounds			
Contaminant	**Residential Use Limit**	**Lab Result**	**Sample number**
Acenaphthene	100	<0.099	Composite
Acenapthylene f	100	<0.087	Composite
Anthracene f	100	<0.095	Composite
Benz(a)anthracene f	1	0.25	Composite
Benzo(a)pyrene	1	0.25	Composite
Benzo(b)fluoranthene f	1	0.38	Composite
Benzo(g,h,i)perylene f	100	0.19	Composite
Benzo(k)fluoranthene f	1	0.17	Composite
Chrysene f	1	0.31	Composite
Dibenz(a,h)anthracene f	0.33	<0.074	Composite
Fluoranthene f	100	0.52	Composite
Fluorene	100	<0.088	Composite
Indeno(1,2,3-cd) pyrene f	0.5	0.21	Composite
m-Cresol f	100	<0.11	Composite
Naphthalene f	100	<0.086	Composite
o-Cresol f	100	<0.12	Composite
p-Cresol f	34	<0.11	Composite
Pentachlorophenol	2.4	<0.10	Composite
Phenanthrene f	100	0.18	Composite
Phenol	100	<0.093	Composite
Pyrene f	100	0.49	Composite

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Table 1d. Soil testing results –Volatile Organic Compounds

Volatile organic compounds			
Contaminant	**Residential Use Limit**	**Lab Result**	**Sample number**
1,1,1-Trichloroethane f	100	<0.000029	3
1,1-Dichloroethane f	19	<0.000016	3
1,1-Dichloroethene f	100	<0.000038	3
1,2-Dichlorobenzene f	100	<0.000037	3
1,2-Dichloroethane	2.3	<0.000023	3
cis -1,2-Dichloroethene f	59.00	<0.000023	3
trans-1,2-Dichloroethene f	100	<0.000041	3
1,3-Dichlorobenzene f	17.0	<0.000053	3
1,4-Dichlorobenzene	9.8	<0.000061	3
1,4-Dioxane	9.8	<0.0015	3
Acetone	100	<0.00024	3
Benzene	2.9	<0.000023	3
n-Butylbenzene f	100	<0.000026	3
Carbon tetrachloride f	1.40	<0.000037	3
Chlorobenzene	100	<0.000036	3
Chloroform	10	<0.000021	3
Ethylbenzene f	30	0.00027	1
Hexachlorobenzene f	0.33	<0.084	Composite
Methyl ethyl ketone	100	<0.00035	3
Methyl tert-butyl ether f	62	<0.000017	3
Methylene chloride	51	0.019	4&5
n - Propylbenzene f	100	<0.000071	3
sec-Butylbenzene f	100	<0.000081	3
tert-Butylbenzene f	100	<0.000052	3
Tetrachloroethene	5.5	<0.00012	3
Toluene	100	0.00064	4
Trichloroethene	10	<0.000046	3
1,2,4-Trimethylbenzene f	47	<0.000061	3
1,3,5-Trimethylbenzene f	47	<0.000061	3
Vinyl chloride f	0.21	<0.000036	3
Xylene (mixed)	**100**	**0.00060**	**1**

All soil cleanup objectives (SCOs) are in parts per million (ppm).

Stormwater Management

Currently the storm water flow on the site from both impervious and impervious surfaces flow over land towards the front, rear and left side property lines. While the condition of the front yard and right side yard remain unchanged for the proposed project, there are changes to the storm water flow in the rear left corner of the property which change the storm water characteristics at that location. Since the topography is changing to a lesser grade then the Overland stormwater flow rate will be reduced as a result of this project lessening the impact of stormwater on runoff to abutting neighbors during a rain event. This can be attributed to two characteristics of the project: the resulting newly seeded lawn absorbing a greater amount of water than the existing sparse lawn growth and the longer time of concentration provided along the flow path allowing water to absorb into the ground or evaporate. This project does not propose any new impervious surfaces and therefore no storm water mitigation is required.

Appendix A

ANALYTICAL REPORT

Lab Number:	L1705112
Client:	Envirotest Laboratories Inc. 315 Fullerton Avenue Newburgh, NY 12550
ATTN:	Laura Marciano
Phone:	(845) 562-0890
Project Name:	WALKIN CLIENT
Project Number:	42000038
Report Date:	02/23/17

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), NJ NELAP (MA935), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-14-00197).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: WALKIN CLIENT
Project Number: 42000038

Lab Number: L1705112
Report Date: 02/23/17

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1705112-01	COMPOSITE OF SAMPLES #1-5 (420-117020-6)	SOIL	Not Specified	02/16/17 16:40	02/17/17

Project Name: WALKIN CLIENT
Project Number: 42000038

Lab Number: L1705112
Report Date: 02/23/17

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY
For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: WALKIN CLIENT
Project Number: 42000038

Lab Number: L1705112
Report Date: 02/23/17

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kara Lindquist

Title: Technical Director/Representative

Date: 02/23/17

INORGANICS
&
MISCELLANEOUS

Project Name: WALKIN CLIENT
Project Number: 42000038

Lab Number: L1705112
Report Date: 02/23/17

SAMPLE RESULTS

Lab ID: L1705112-01
Client ID: COMPOSITE OF SAMPLES #1-5 (420
Sample Location: Not Specified
Matrix: Soil

Date Collected: 02/16/17 16:40
Date Received: 02/17/17
Field Prep: Not Specified

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	02/18/17 16:37	121,2540G	RI
Chromium, Hexavalent	ND		mg/kg	0.96	0.19	1	02/19/17 16:20	02/20/17 23:06	1,7196A	RP

Project Name: WALKIN CLIENT
Project Number: 42000038

Lab Number: L1705112
Report Date: 02/23/17

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG979186-1										
Chromium, Hexavalent	ND		mg/kg	0.80	0.16	1	02/19/17 16:20	02/20/17 22:57	1,7196A	RP

Lab Control Sample Analysis
Batch Quality Control

Project Name: WALKIN CLIENT
Project Number: 42000038

Lab Number: L1705112
Report Date: 02/23/17

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG979186-2								
Chromium, Hexavalent	86		-		80-120	-		20

Matrix Spike Analysis
Batch Quality Control

Project Name: WALKIN CLIENT
Project Number: 42000038

Lab Number: L1705112
Report Date: 02/23/17

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG979186-4 QC Sample: L1705114-01 Client ID: MS Sample												
Chromium, Hexavalent	0.19J	837	890	110		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: WALKIN CLIENT
Project Number: 42000038

Lab Number: L1705112
Report Date: 02/23/17

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG979082-1 QC Sample: L1705166-01 Client ID: DUP Sample						
Solids, Total	88.4	88.5	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG979186-6 QC Sample: L1705114-01 Client ID: DUP Sample						
Chromium, Hexavalent	0.19J	ND	mg/kg	NC		20

Project Name: WALKIN CLIENT
Project Number: 42000038

Lab Number: L1705112
Report Date: 02/23/17

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1705112-01A	Glass 120ml/4oz unpreserved	A	N/A	3.5	Y	Absent	TS(7),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: WALKIN CLIENT **Lab Number:** L1705112
Project Number: 42000038 **Report Date:** 02/23/17

GLOSSARY

Acronyms

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the

Project Name: WALKIN CLIENT **Lab Number:** L1705112

Project Number: 42000038 **Report Date:** 02/23/17

Data Qualifiers

reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers

Project Name: WALKIN CLIENT
Project Number: 42000038

Lab Number: L1705112
Report Date: 02/23/17

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624: m/p-xylene, o-xylene
EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
EPA 300: DW: Bromide
EPA 6860: NPW and SCM: Perchlorate
EPA 9010: NPW and SCM: Amenable Cyanide Distillation
EPA 9012B: NPW: Total Cyanide
EPA 9050A: NPW: Specific Conductance
SM3500: NPW: Ferrous Iron
SM4500: NPW: Amenable Cyanide, Dissolved Oxygen; SCM: Total Phosphorus, TKN, NO2, NO3.
SM5310C: DW: Dissolved Organic Carbon

Mansfield Facility
SM 2540D: TSS
EPA 3005A NPW
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D.**

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH, EPA 350.1: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **SM4500NO3-F, EPA 353.2**: Nitrate-N, **EPA 351.1, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D.**
EPA 624: Volatile Halocarbons & Aromatics,
EPA 608: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E.**

Mansfield Facility:

Drinking Water
EPA 200.7: Ba, Be, Cd, Cr, Cu, Ni, Na, Ca. **EPA 200.8:** Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Ni, Se, TL. **EPA 245.1** Hg.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

Serial_No:02231717:18

EnviroTest Laboratories, Inc.
315 Fullerton Avenue
Newburgh, NY 12550
Phone (845) 562-0890 Fax (845) 562-0841

Chain of Custody Record

L1705112

EnviroTest Laboratories Inc.

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Marciano, Laura L.	Carrier Tracking No(s):	COC No: 420-8789.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: lmarciano@envirotestlaboratories.com		Page: Page 1 of 1
Company: Alpha Analytical				STL Job #: 420-117020-1
Address: 8 Walkup Drive,	Due Date Requested: ~~2/28/2017~~ Standard TAT			
City: Westborough	TAT Requested (days):			
State, Zip: MA, 01581				
Phone:	PO #:			
Email:	WO #:			
Project Name: Walkin Client	Project #: 42000038			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUBCONTRACT/ Hex Cr to Alpha	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
Composite of Samples #1 - 5 (420-117020-6)	2/16/17	16:40		Solid			X	1	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
D Moore	2/17/17 1515	ETL	[illegible]	2/17/17 15:15	AAL
[illegible]	2/17/17 16:15	AAL	Tom Tobin	2-17-17 1800	AAL
Tom Tobin	2-17-17 2255	AAL	[illegible]	2/17/17 2255	AAL

Custody Seals Intact:	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
Yes No		

EnviroTest Laboratories Inc.

ANALYTICAL REPORT

Job Number: 420-117020-1

SDG Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Job Description: Walkin Client

For:
John Sansevera
47 Gleneida Ridge Road
Carmel, NY 10512

Attention: John Sansevera

Laura L Marciano

Laura L Marciano
Customer Service Manager
lmarciano@envirotestlaboratories.com
03/01/2017

cc: Ms. Renee Cusack

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOPH PH-0554

Envirotest Laboratories, Inc.
315 Fullerton Avenue, Newburgh, NY 12550
Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com

Accredited in accordance with nelac

METHOD SUMMARY

Client: John Sansevera

Job Number: 420-117020-1
SDG Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Inductively Coupled Plasma - Atomic Emission Spectrometry	EnvTest	SW846 6010C	
Microwave Assisted Acid Digestion of Sediments,	EnvTest		SW846 3051A
Hg in Solids & Semi-solids	EnvTest	SW846 7471B	
Mercury in Solid or Semi-Solid Waste (Manual Cold	EnvTest		SW846 7471B
Organochlorine Pesticides by Gas Chromatography	EnvTest	SW846 8081B	
Microwave Extraction	EnvTest		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	EnvTest	SW846 8082A	
Microwave Extraction	EnvTest		SW846 3546
Chlorinated Herbicides by GC	EnvTest	SW846 8151A	
Chlorinated Herbicides by GC - Solids Prep	EnvTest		SW846 8151A
Volatile Organic Compounds by GC/MS	EnvTest	SW846 8260C	
Closed System Purge & Trap Low Level	EnvTest		EPA 5035-L
Semivolatile Compounds by GC/MS	EnvTest	SW846 8270D	
Microwave Extraction	EnvTest		SW846 3546
Total and Amenable Cyanide (Automated Colorimetric, with Off-Line Distillation)	EnvTest	SW846 9012B	
Cyanide Distillation	EnvTest		SW846 9010C
General Sub Contract Method	Alpha	Subcontract	

Lab References:

Alpha = Alpha Analytical, Inc.

EnvTest = EnviroTest

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

John Sansevera
John Sansevera
47 Gleneida Ridge Road
Carmel, NY 10512

Job Number: 420-117020-1
Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Client Sample ID: **1**
Lab Sample ID: **420-117020-1**

Date Sampled: 02/16/2017 1630
Date Received: 02/16/2017 1645
Client Matrix: Solid
Percent Solids: 81

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	02/16/2017 1817		
Prep Method: 5035-L			Date Prepared:	02/16/2017 1817		
1,2,4-Trimethylbenzene	<0.000053		mg/Kg Dry	0.000053	0.0010	1.0
1,2-Dichlorobenzene	<0.000032		mg/Kg Dry	0.000032	0.0010	1.0
1,2-Dichloroethane	<0.000020		mg/Kg Dry	0.000020	0.0010	1.0
1,3,5-Trimethylbenzene	<0.000053		mg/Kg Dry	0.000053	0.0010	1.0
1,3-Dichlorobenzene	<0.000046		mg/Kg Dry	0.000046	0.0010	1.0
1,4-Dichlorobenzene	<0.000053		mg/Kg Dry	0.000053	0.0010	1.0
1,4-Dioxane	<0.0013		mg/Kg Dry	0.0013	0.0015	1.0
Benzene	<0.000020		mg/Kg Dry	0.000020	0.0010	1.0
Chlorobenzene	<0.000031		mg/Kg Dry	0.000031	0.0010	1.0
Chloroform	<0.000018		mg/Kg Dry	0.000018	0.0010	1.0
Ethylbenzene	0.00027	J	mg/Kg Dry	0.000039	0.0010	1.0
n-Butylbenzene	<0.000023		mg/Kg Dry	0.000023	0.0010	1.0
N-Propylbenzene	<0.000062		mg/Kg Dry	0.000062	0.0010	1.0
sec-Butylbenzene	<0.000070		mg/Kg Dry	0.000070	0.0010	1.0
tert-Butylbenzene	<0.000045		mg/Kg Dry	0.000045	0.0010	1.0
Toluene	0.00064	J	mg/Kg Dry	0.000020	0.0010	1.0
Xylenes, Total	0.00060	J	mg/Kg Dry	0.00010	0.0020	1.0
1,1,1-Trichloroethane	<0.000025		mg/Kg Dry	0.000025	0.0010	1.0
1,1-Dichloroethane	<0.000014		mg/Kg Dry	0.000014	0.0010	1.0
1,1-Dichloroethene	<0.000033		mg/Kg Dry	0.000033	0.0010	1.0
Carbon tetrachloride	<0.000032		mg/Kg Dry	0.000032	0.0010	1.0
cis-1,2-Dichloroethene	<0.000020		mg/Kg Dry	0.000020	0.0010	1.0
Methylene Chloride	0.0096		mg/Kg Dry	0.000030	0.0010	1.0
Tetrachloroethene	<0.00010		mg/Kg Dry	0.00010	0.0010	1.0
trans-1,2-Dichloroethene	<0.000036		mg/Kg Dry	0.000036	0.0010	1.0
Trichloroethene	<0.000040		mg/Kg Dry	0.000040	0.0010	1.0
Vinyl chloride	<0.000031		mg/Kg Dry	0.000031	0.0010	1.0
2-Butanone (MEK)	<0.00030		mg/Kg Dry	0.00030	0.0010	1.0
Methyl tert-butyl ether	<0.000015		mg/Kg Dry	0.000015	0.0010	1.0
Acetone	<0.00021		mg/Kg Dry	0.00021	0.0050	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	100	%	72 - 143
4-Bromofluorobenzene	91	%	49 - 138
1,2-Dichloroethane-d4 (Surr)	90	%	73 - 128

John Sansevera
John Sansevera
47 Gleneida Ridge Road
Carmel, NY 10512

Job Number: 420-117020-1
Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Client Sample ID: **2**
Lab Sample ID: **420-117020-2**

Date Sampled: 02/16/2017 1630
Date Received: 02/16/2017 1645
Client Matrix: Solid
Percent Solids: 85

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	02/16/2017 1852		
Prep Method: 5035-L			Date Prepared:	02/16/2017 1852		
1,2,4-Trimethylbenzene	<0.000050		mg/Kg Dry	0.000050	0.00094	1.0
1,2-Dichlorobenzene	<0.000030		mg/Kg Dry	0.000030	0.00094	1.0
1,2-Dichloroethane	<0.000019		mg/Kg Dry	0.000019	0.00094	1.0
1,3,5-Trimethylbenzene	<0.000050		mg/Kg Dry	0.000050	0.00094	1.0
1,3-Dichlorobenzene	<0.000043		mg/Kg Dry	0.000043	0.00094	1.0
1,4-Dichlorobenzene	<0.000050		mg/Kg Dry	0.000050	0.00094	1.0
1,4-Dioxane	<0.0012		mg/Kg Dry	0.0012	0.0014	1.0
Benzene	<0.000019		mg/Kg Dry	0.000019	0.00094	1.0
Chlorobenzene	<0.000029		mg/Kg Dry	0.000029	0.00094	1.0
Chloroform	<0.000017		mg/Kg Dry	0.000017	0.00094	1.0
Ethylbenzene	0.00021	J	mg/Kg Dry	0.000037	0.00094	1.0
n-Butylbenzene	<0.000022		mg/Kg Dry	0.000022	0.00094	1.0
N-Propylbenzene	<0.000058		mg/Kg Dry	0.000058	0.00094	1.0
sec-Butylbenzene	<0.000066		mg/Kg Dry	0.000066	0.00094	1.0
tert-Butylbenzene	<0.000042		mg/Kg Dry	0.000042	0.00094	1.0
Toluene	0.00041	J	mg/Kg Dry	0.000019	0.00094	1.0
Xylenes, Total	0.00029	J	mg/Kg Dry	0.000094	0.0019	1.0
1,1,1-Trichloroethane	<0.000024		mg/Kg Dry	0.000024	0.00094	1.0
1,1-Dichloroethane	<0.000013		mg/Kg Dry	0.000013	0.00094	1.0
1,1-Dichloroethene	<0.000031		mg/Kg Dry	0.000031	0.00094	1.0
Carbon tetrachloride	<0.000030		mg/Kg Dry	0.000030	0.00094	1.0
cis-1,2-Dichloroethene	<0.000019		mg/Kg Dry	0.000019	0.00094	1.0
Methylene Chloride	0.010		mg/Kg Dry	0.000028	0.00094	1.0
Tetrachloroethene	<0.000094		mg/Kg Dry	0.000094	0.00094	1.0
trans-1,2-Dichloroethene	<0.000034		mg/Kg Dry	0.000034	0.00094	1.0
Trichloroethene	<0.000038		mg/Kg Dry	0.000038	0.00094	1.0
Vinyl chloride	<0.000029		mg/Kg Dry	0.000029	0.00094	1.0
2-Butanone (MEK)	<0.00028		mg/Kg Dry	0.00028	0.00094	1.0
Methyl tert-butyl ether	<0.000014		mg/Kg Dry	0.000014	0.00094	1.0
Acetone	<0.00020		mg/Kg Dry	0.00020	0.0047	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	103	%	72 - 143
4-Bromofluorobenzene	92	%	49 - 138
1,2-Dichloroethane-d4 (Surr)	95	%	73 - 128

John Sansevera
John Sansevera
47 Gleneida Ridge Road
Carmel, NY 10512

Job Number: 420-117020-1
Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Client Sample ID: 3
Lab Sample ID: 420-117020-3

Date Sampled: 02/16/2017 1630
Date Received: 02/16/2017 1645
Client Matrix: Solid
Percent Solids: 85

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	02/16/2017 1928		
Prep Method: 5035-L			Date Prepared:	02/16/2017 1928		
1,2,4-Trimethylbenzene	<0.000061		mg/Kg Dry	0.000061	0.0012	1.0
1,2-Dichlorobenzene	<0.000037		mg/Kg Dry	0.000037	0.0012	1.0
1,2-Dichloroethane	<0.000023		mg/Kg Dry	0.000023	0.0012	1.0
1,3,5-Trimethylbenzene	<0.000061		mg/Kg Dry	0.000061	0.0012	1.0
1,3-Dichlorobenzene	<0.000053		mg/Kg Dry	0.000053	0.0012	1.0
1,4-Dichlorobenzene	<0.000061		mg/Kg Dry	0.000061	0.0012	1.0
1,4-Dioxane	<0.0015		mg/Kg Dry	0.0015	0.0017	1.0
Benzene	<0.000023		mg/Kg Dry	0.000023	0.0012	1.0
Chlorobenzene	<0.000036		mg/Kg Dry	0.000036	0.0012	1.0
Chloroform	<0.000021		mg/Kg Dry	0.000021	0.0012	1.0
Ethylbenzene	0.00012	J	mg/Kg Dry	0.000045	0.0012	1.0
n-Butylbenzene	<0.000026		mg/Kg Dry	0.000026	0.0012	1.0
N-Propylbenzene	<0.000071		mg/Kg Dry	0.000071	0.0012	1.0
sec-Butylbenzene	<0.000081		mg/Kg Dry	0.000081	0.0012	1.0
tert-Butylbenzene	<0.000052		mg/Kg Dry	0.000052	0.0012	1.0
Toluene	0.00033	J	mg/Kg Dry	0.000023	0.0012	1.0
Xylenes, Total	0.00017	J	mg/Kg Dry	0.00012	0.0023	1.0
1,1,1-Trichloroethane	<0.000029		mg/Kg Dry	0.000029	0.0012	1.0
1,1-Dichloroethane	<0.000016		mg/Kg Dry	0.000016	0.0012	1.0
1,1-Dichloroethene	<0.000038		mg/Kg Dry	0.000038	0.0012	1.0
Carbon tetrachloride	<0.000037		mg/Kg Dry	0.000037	0.0012	1.0
cis-1,2-Dichloroethene	<0.000023		mg/Kg Dry	0.000023	0.0012	1.0
Methylene Chloride	0.012		mg/Kg Dry	0.000035	0.0012	1.0
Tetrachloroethene	<0.00012		mg/Kg Dry	0.00012	0.0012	1.0
trans-1,2-Dichloroethene	<0.000041		mg/Kg Dry	0.000041	0.0012	1.0
Trichloroethene	<0.000046		mg/Kg Dry	0.000046	0.0012	1.0
Vinyl chloride	<0.000036		mg/Kg Dry	0.000036	0.0012	1.0
2-Butanone (MEK)	<0.00035		mg/Kg Dry	0.00035	0.0012	1.0
Methyl tert-butyl ether	<0.000017		mg/Kg Dry	0.000017	0.0012	1.0
Acetone	<0.00024		mg/Kg Dry	0.00024	0.0058	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	99	%	72 - 143
4-Bromofluorobenzene	96	%	49 - 138
1,2-Dichloroethane-d4 (Surr)	92	%	73 - 128

John Sansevera
John Sansevera
47 Gleneida Ridge Road
Carmel, NY 10512

Job Number: 420-117020-1
Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Client Sample ID: **4**
Lab Sample ID: **420-117020-4**

Date Sampled: 02/16/2017 1630
Date Received: 02/16/2017 1645
Client Matrix: Solid
Percent Solids: 85

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	02/16/2017 2004		
Prep Method: 5035-L			Date Prepared:	02/16/2017 2004		
1,2,4-Trimethylbenzene	<0.000052		mg/Kg Dry	0.000052	0.00098	1.0
1,2-Dichlorobenzene	<0.000031		mg/Kg Dry	0.000031	0.00098	1.0
1,2-Dichloroethane	<0.000020		mg/Kg Dry	0.000020	0.00098	1.0
1,3,5-Trimethylbenzene	<0.000052		mg/Kg Dry	0.000052	0.00098	1.0
1,3-Dichlorobenzene	<0.000045		mg/Kg Dry	0.000045	0.00098	1.0
1,4-Dichlorobenzene	<0.000052		mg/Kg Dry	0.000052	0.00098	1.0
1,4-Dioxane	<0.0013		mg/Kg Dry	0.0013	0.0015	1.0
Benzene	<0.000020		mg/Kg Dry	0.000020	0.00098	1.0
Chlorobenzene	<0.000030		mg/Kg Dry	0.000030	0.00098	1.0
Chloroform	<0.000018		mg/Kg Dry	0.000018	0.00098	1.0
Ethylbenzene	0.00024	J	mg/Kg Dry	0.000038	0.00098	1.0
n-Butylbenzene	<0.000023		mg/Kg Dry	0.000023	0.00098	1.0
N-Propylbenzene	<0.000061		mg/Kg Dry	0.000061	0.00098	1.0
sec-Butylbenzene	<0.000069		mg/Kg Dry	0.000069	0.00098	1.0
tert-Butylbenzene	<0.000044		mg/Kg Dry	0.000044	0.00098	1.0
Toluene	0.00064	J	mg/Kg Dry	0.000020	0.00098	1.0
Xylenes, Total	0.00035	J	mg/Kg Dry	0.000098	0.0020	1.0
1,1,1-Trichloroethane	<0.000024		mg/Kg Dry	0.000024	0.00098	1.0
1,1-Dichloroethane	<0.000014		mg/Kg Dry	0.000014	0.00098	1.0
1,1-Dichloroethene	<0.000032		mg/Kg Dry	0.000032	0.00098	1.0
Carbon tetrachloride	<0.000031		mg/Kg Dry	0.000031	0.00098	1.0
cis-1,2-Dichloroethene	<0.000020		mg/Kg Dry	0.000020	0.00098	1.0
Methylene Chloride	0.019		mg/Kg Dry	0.000029	0.00098	1.0
Tetrachloroethene	<0.000098		mg/Kg Dry	0.000098	0.00098	1.0
trans-1,2-Dichloroethene	<0.000035		mg/Kg Dry	0.000035	0.00098	1.0
Trichloroethene	<0.000039		mg/Kg Dry	0.000039	0.00098	1.0
Vinyl chloride	<0.000030		mg/Kg Dry	0.000030	0.00098	1.0
2-Butanone (MEK)	<0.00029		mg/Kg Dry	0.00029	0.00098	1.0
Methyl tert-butyl ether	<0.000015		mg/Kg Dry	0.000015	0.00098	1.0
Acetone	<0.00021		mg/Kg Dry	0.00021	0.0049	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	101	%	72 - 143
4-Bromofluorobenzene	89	%	49 - 138
1,2-Dichloroethane-d4 (Surr)	96	%	73 - 128

John Sansevera
John Sansevera
47 Gleneida Ridge Road
Carmel, NY 10512

Job Number: 420-117020-1
Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Client Sample ID: **5**
Lab Sample ID: **420-117020-5**

Date Sampled: 02/16/2017 1630
Date Received: 02/16/2017 1645
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8260C			Date Analyzed:	02/16/2017 2040		
Prep Method: 5035-L			Date Prepared:	02/16/2017 2040		
1,2,4-Trimethylbenzene	<0.000049		mg/Kg Dry	0.000049	0.00092	1.0
1,2-Dichlorobenzene	<0.000030		mg/Kg Dry	0.000030	0.00092	1.0
1,2-Dichloroethane	<0.000018		mg/Kg Dry	0.000018	0.00092	1.0
1,3,5-Trimethylbenzene	<0.000049		mg/Kg Dry	0.000049	0.00092	1.0
1,3-Dichlorobenzene	<0.000042		mg/Kg Dry	0.000042	0.00092	1.0
1,4-Dichlorobenzene	<0.000049		mg/Kg Dry	0.000049	0.00092	1.0
1,4-Dioxane	<0.0012		mg/Kg Dry	0.0012	0.0014	1.0
Benzene	<0.000018		mg/Kg Dry	0.000018	0.00092	1.0
Chlorobenzene	<0.000029		mg/Kg Dry	0.000029	0.00092	1.0
Chloroform	<0.000017		mg/Kg Dry	0.000017	0.00092	1.0
Ethylbenzene	0.00023	J	mg/Kg Dry	0.000036	0.00092	1.0
n-Butylbenzene	<0.000021		mg/Kg Dry	0.000021	0.00092	1.0
N-Propylbenzene	<0.000057		mg/Kg Dry	0.000057	0.00092	1.0
sec-Butylbenzene	<0.000065		mg/Kg Dry	0.000065	0.00092	1.0
tert-Butylbenzene	<0.000042		mg/Kg Dry	0.000042	0.00092	1.0
Toluene	0.00043	J	mg/Kg Dry	0.000018	0.00092	1.0
Xylenes, Total	0.00037	J	mg/Kg Dry	0.000092	0.0018	1.0
1,1,1-Trichloroethane	<0.000023		mg/Kg Dry	0.000023	0.00092	1.0
1,1-Dichloroethane	<0.000013		mg/Kg Dry	0.000013	0.00092	1.0
1,1-Dichloroethene	<0.000030		mg/Kg Dry	0.000030	0.00092	1.0
Carbon tetrachloride	<0.000030		mg/Kg Dry	0.000030	0.00092	1.0
cis-1,2-Dichloroethene	<0.000018		mg/Kg Dry	0.000018	0.00092	1.0
Methylene Chloride	0.019		mg/Kg Dry	0.000028	0.00092	1.0
Tetrachloroethene	<0.000092		mg/Kg Dry	0.000092	0.00092	1.0
trans-1,2-Dichloroethene	<0.000033		mg/Kg Dry	0.000033	0.00092	1.0
Trichloroethene	<0.000037		mg/Kg Dry	0.000037	0.00092	1.0
Vinyl chloride	<0.000029		mg/Kg Dry	0.000029	0.00092	1.0
2-Butanone (MEK)	<0.00028		mg/Kg Dry	0.00028	0.00092	1.0
Methyl tert-butyl ether	<0.000014		mg/Kg Dry	0.000014	0.00092	1.0
Acetone	<0.00019		mg/Kg Dry	0.00019	0.0046	1.0

Surrogate			Acceptance Limits
Toluene-d8 (Surr)	101	%	72 - 143
4-Bromofluorobenzene	95	%	49 - 138
1,2-Dichloroethane-d4 (Surr)	89	%	73 - 128

John Sansevera
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47 Gleneida Ridge Road
Carmel, NY 10512

Job Number: 420-117020-1
Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Client Sample ID: **Composite of Samples #1 - 5**
Lab Sample ID: **420-117020-6**

Date Sampled: 02/16/2017 1640
Date Received: 02/16/2017 1645
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
Method: 8270D			Date Analyzed:		02/23/2017 2003	
Prep Method: 3546			Date Prepared:		02/22/2017 1139	
2-Methylphenol	<0.12		mg/Kg Dry	0.12	0.39	1.0
3 & 4 Methylphenol	<0.11		mg/Kg Dry	0.11	0.39	1.0
Acenaphthene	<0.099		mg/Kg Dry	0.099	0.39	1.0
Acenaphthylene	<0.087		mg/Kg Dry	0.087	0.39	1.0
Anthracene	<0.095		mg/Kg Dry	0.095	0.39	1.0
Benzo[a]anthracene	0.25	J	mg/Kg Dry	0.071	0.39	1.0
Benzo[a]pyrene	0.25	J	mg/Kg Dry	0.058	0.39	1.0
Benzo[b]fluoranthene	0.38	J	mg/Kg Dry	0.083	0.39	1.0
Benzo[g,h,i]perylene	0.19	J	mg/Kg Dry	0.081	0.39	1.0
Benzo[k]fluoranthene	0.17	J	mg/Kg Dry	0.066	0.39	1.0
Chrysene	0.31	J	mg/Kg Dry	0.074	0.39	1.0
Dibenz(a,h)anthracene	<0.074		mg/Kg Dry	0.074	0.39	1.0
Dibenzofuran	<0.12		mg/Kg Dry	0.12	0.39	1.0
Fluoranthene	0.52		mg/Kg Dry	0.074	0.39	1.0
Fluorene	<0.088		mg/Kg Dry	0.088	0.39	1.0
Hexachlorobenzene	<0.084		mg/Kg Dry	0.084	0.39	1.0
Indeno[1,2,3-cd]pyrene	0.21	J	mg/Kg Dry	0.076	0.39	1.0
Naphthalene	<0.086		mg/Kg Dry	0.086	0.39	1.0
Pentachlorophenol	<0.10		mg/Kg Dry	0.10	2.9	1.0
Phenol	<0.093		mg/Kg Dry	0.093	0.39	1.0
Phenanthrene	0.18	J	mg/Kg Dry	0.10	0.39	1.0
Pyrene	0.49		mg/Kg Dry	0.083	0.39	1.0
Surrogate					Acceptance Limits	
2-Fluorophenol	69		%		10 - 120	
Nitrobenzene-d5	54		%		10 - 120	
Phenol-d5	68		%		10 - 120	
Terphenyl-d14	85		%		10 - 120	
2-Fluorobiphenyl	67		%		10 - 120	
2,4,6 - Tribromophenol	70		%		10 - 120	
Method: 8081B			Date Analyzed:		02/17/2017 1946	
Prep Method: 3546			Date Prepared:		02/17/2017 0939	
4,4'-DDD	<0.00036		mg/Kg Dry	0.00036	0.0011	1.0
4,4'-DDE	<0.00029		mg/Kg Dry	0.00029	0.00087	1.0
4,4'-DDT	<0.00031		mg/Kg Dry	0.00031	0.00094	1.0
Aldrin	<0.00022		mg/Kg Dry	0.00022	0.00067	1.0
alpha-BHC	<0.00075		mg/Kg Dry	0.00075	0.0022	1.0
alpha-Chlordane	<0.00030		mg/Kg Dry	0.00030	0.00091	1.0
beta-BHC	<0.00025		mg/Kg Dry	0.00025	0.00076	1.0

John Sansevera
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47 Gleneida Ridge Road
Carmel, NY 10512

Job Number: 420-117020-1
Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Client Sample ID: **Composite of Samples #1 - 5**
Lab Sample ID: **420-117020-6**

Date Sampled: 02/16/2017 1640
Date Received: 02/16/2017 1645
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier		Unit	MDL	RL	Dilution
delta-BHC	<0.00034		mg/Kg Dry	0.00034	0.0010	1.0
Dieldrin	<0.00049		mg/Kg Dry	0.00049	0.0015	1.0
Endosulfan I	<0.00018		mg/Kg Dry	0.00018	0.00054	1.0
Endosulfan II	<0.00041		mg/Kg Dry	0.00041	0.0012	1.0
Endosulfan sulfate	<0.00047		mg/Kg Dry	0.00047	0.0014	1.0
Endrin	<0.00064		mg/Kg Dry	0.00064	0.0019	1.0
Heptachlor	<0.00018		mg/Kg Dry	0.00018	0.00053	1.0
gamma-BHC (Lindane)	<0.00081		mg/Kg Dry	0.00081	0.0024	1.0
Surrogate					Acceptance Limits	
DCB Decachlorobiphenyl	60		%		30 - 150	
Tetrachloro-m-xylene	63		%		30 - 150	
Method: 8082A			Date Analyzed:		02/17/2017 1946	
Prep Method: 3546			Date Prepared:		02/17/2017 0939	
PCB-1016	<0.0062		mg/Kg Dry	0.0062	0.077	1.0
PCB-1221	<0.010		mg/Kg Dry	0.010	0.077	1.0
PCB-1232	<0.025		mg/Kg Dry	0.025	0.077	1.0
PCB-1242	<0.015		mg/Kg Dry	0.015	0.077	1.0
PCB-1248	<0.010		mg/Kg Dry	0.010	0.077	1.0
PCB-1254	<0.015		mg/Kg Dry	0.015	0.077	1.0
PCB-1260	<0.012		mg/Kg Dry	0.012	0.077	1.0
PCB-1262	<0.013		mg/Kg Dry	0.013	0.077	1.0
PCB-1268	<0.015		mg/Kg Dry	0.015	0.077	1.0
Surrogate					Acceptance Limits	
2,4,5,6-Tetrachloro-m-xylene	63		%		30 - 150	
DCB Decachlorobiphenyl(surr)	61		%		30 - 150	
Method: 8151A			Date Analyzed:		02/22/2017 1327	
Prep Method: 8151A			Date Prepared:		02/21/2017 0848	
Silvex (2,4,5-TP)	<0.095		mg/Kg Dry	0.095	0.36	1.0
Method: 6010C			Date Analyzed:		02/24/2017 1700	
Prep Method: 3051A			Date Prepared:		02/24/2017 1130	
Silver	1.9	J	mg/Kg Dry	0.24	2.4	2.0
Arsenic	4.1		mg/Kg Dry	0.47	2.4	2.0
Barium	99		mg/Kg Dry	0.47	47	2.0
Beryllium	0.62	J	mg/Kg Dry	0.47	1.2	2.0
Cadmium	<0.47		mg/Kg Dry	0.47	1.2	2.0
Chromium	29		mg/Kg Dry	0.47	2.4	2.0
Copper	30		mg/Kg Dry	1.4	5.9	2.0
Manganese	380		mg/Kg Dry	0.71	3.5	2.0

John Sansevera
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Carmel, NY 10512

Job Number: 420-117020-1
Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Client Sample ID: **Composite of Samples #1 - 5**
Lab Sample ID: **420-117020-6**

Date Sampled: 02/16/2017 1640
Date Received: 02/16/2017 1645
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier	Unit	MDL	RL	Dilution
Nickel	17	mg/Kg Dry	0.71	9.5	2.0
Lead	130	mg/Kg Dry	0.24	5.9	2.0
Selenium	2.4	mg/Kg Dry	1.4	2.4	2.0
Zinc	130	mg/Kg Dry	1.9	4.7	2.0
Method: 7471B		Date Analyzed:		02/20/2017 1600	
Prep Method: 7471B		Date Prepared:		02/20/2017 1000	
Mercury	0.21	mg/Kg Dry	0.014	0.040	1.0

John Sansevera
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Carmel, NY 10512

Job Number: 420-117020-1
Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Client Sample ID: **Composite of Samples #1 - 5**
Lab Sample ID: **420-117020-6**

Date Sampled: 02/16/2017 1640
Date Received: 02/16/2017 1645
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: 9012B		Date Analyzed:		02/22/2017 1457	
Prep Method: 9010C		Date Prepared:		02/22/2017 0800	
Cyanide, Total	<1.2	mg/Kg Dry	1.2	1.2	1.0

DATA REPORTING QUALIFIERS

Client: John Sansevera

Job Number:
Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Lab Section	Qualifier	Description
GC/MS VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
GC/MS Semi VOA		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
Metals		
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Certification Information

Client: John Sansevera

Job Number:

Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

The following analytes are Not Part of the ELAP scope of accreditation:

Sulfur, Tungsten, Silicon, Bicarbonate Alkalinity, 7 Day BOD 5210C, 28 Day BOD, Soluble BOD, Carbon Dioxide, Carbonate Alkalinity, CBOD Soluble, Chlorine, Cyanide (WAD), Ferrous Iron, Ferric Iron, Total Nitrogen, Total Organic Nitrogen, Dissolved Oxygen, pH, Phenolphthalein Alkalinity, Solids (Fixed), Solids (Percent), Solids (Percent Moisture) , Solids (Percent Volatile), Solids (Volatile Suspended), Temperature, TKN (Soluble), COD (Soluble), Total Inorganic Carbon, Volatile Acids as Acetic Acid, 2-Aminopyridine, 3-Picoline, 1-Methyl-2-pyrrilidinone, Aziridine, Dimethyl sulfoxide, 1-Chlorohexane, Iron Bacteria, Salmonella, & Sulfur Reducing Bacteria.

The following analytes are Not Part of ELAP Potable Water scope of accreditation:

Cobalt (200.7, 200.8), Tin (200.7), Strontium (200.7), Gold (200.7), Platinum (200.7), Palladium (200.7), Titanium (200.7), Phosphorus (365.3), Nitrate-Nitrite (10-107-4-1C, 353.2), m-Xylene & p-Xylene (502.2, 524), Naphthalene (502.2), o-Xylene (502.2, 524), & Fecal Coliform (9222D).

The following analytes are Not Part of ELAP Solid and Hazardous Waste scope of accreditation:

Ammonia (SM 4500NH3G), TKN (351.2), Phosphorus (365.3), 1,2-Dichloro-1,1,2-trifluoroethane (8260), & Chlorodifluoromethane (8260).

The following analytes are Not Part of ELAP Non Potable Water scope of accreditation:

Dissolved Organic Carbon (5310C), Mecoprop (8151A), & MCPA (8151A).

Definitions and Glossary

Client: John Sansevera

Job Number:

Sdg Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points.

EnviroTest Laboratories, Inc.

CARMEL NY

CHAIN OF CUSTODY

Lab Name EnviroTest Laboratories
Address & Ph 315 Fullerton Avenue, Newburgh, New York 12550 845-562-0890

17020

REPORT# (Lab Use Only)

PROJECT REFERENCE: House (See Client Address)	PROJECT NO	PROJECT
ENVIROTEST PROJECT MANAGER	P.O. NUMBER	TOWN: CARMEL
CLIENT SITE PM: Same As Below	CLIENT PHONE: 9147600513	CLIENT FAX
CLIENT NAME: John Sansevera		
CLIENT ADDRESS: 47 Glenrida Ridge RD Carmel NY 10512		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE 1 of 1

TURNAROUND TIME: NORMAL ____ QUICK ____ VERBAL ____

#OF COOLERS: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G)	AQUEOUS (WATER)	(D) Drinking Water or W (Waste Water) Indicate	SOLID OR SEMISOLID	OTHER Specify	Total # of Containers	40ml Vials HCL	Liter Amber HCL	250ml Plastic Nitric Acid	250ml Plastic Sulfuric Acid	Liter Plastic	250ml Plastic Sodium Hyd.	Terra Core Kit	8 oz Clear Glass	Other	REMARKS
2/16/17	1630	1	G			S		1							1			8260C
	1630	2	G			S		1							1			8260C
	1630	3	G			S		1							1			8260C
	1630	4	G			S		1							1			8260C
	1630	5	G			S		1							1			8260C
2/16/17	1640	Comp of Samples #1-5	C			S										3		8270D, 8081, 8082, 8151, Metals, Cn, Hex Cr
		Comp:																Comp. above into one sample except 8260C

NUMBER OF CONTAINERS SUBMITTED

pd $675.00 (May need to pay more) Cash QE 2-16-17

RELINQUISHED BY (SIGNATURE)	COMPANY	DATE	TIME	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
SAMPLED BY (SIGNATURE)	COMPANY	DATE 2/16/17	TIME 1630	RECEIVED BY: (SIGNATURE)	COMPANY	DATE	TIME
RELINQUISHED BY: (SIGNATURE)	COMPANY	DATE 2/16/17	TIME 1645	RECEIVED BY (SIGNATURE)	COMPANY	DATE	TIME

8151 subcontract to Alpha Analytical

RECEIVED FOR LABORATORY BY (SIGNATURE)		DATE	TIME	CUSTODY YES NO	Cooler Temp	LABORATORY REMARKS ICE (Y✓N__) pH____ CL2____ Reviewed by ____
Q Elmendorf	ETL	2/16/17	1645		8.1°C	Email: JSANSEVERA@montesanobros.com

IR # 3

* Smpld into TerraCore Kits from client containers at lab 2/16/17 @ 1645. QE 2/16/17

* Smpld from client container into 3 soil jars and 1-4oz Soil jar (for subcon) at lab 2/17/17 @ 0910 QE 2-17-17.

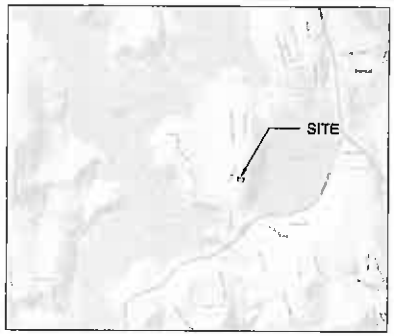
LOGIN SAMPLE RECEIPT CHECK LIST

Client: John Sansevera

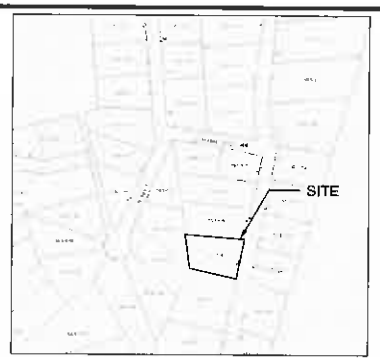
Job Number: 420-117020-1
SDG Number: 47 Gleneida Ridge Road, Carmel, NY 10512

Login Number: 117020

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	8.1 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	True	
If false, was sample received on ice within 6 hours of collection.	NA	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	Smpld into TerraCore Kits at ETL 2/16/17 @ 1645. AE 2/17/16
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

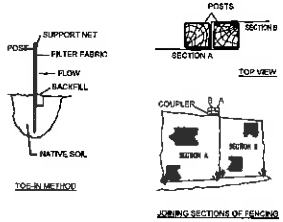


LOCATION MAP
NTS



AREA MAP
NTS

Silt Fence Detail



INSTALLATION NOTES

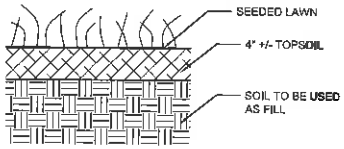
1. EXCAVATE A 4 INCH * 4 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE.
2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW).
3. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM.
4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH.
5. JOIN SECTIONS AS SHOWN ABOVE.

General Notes

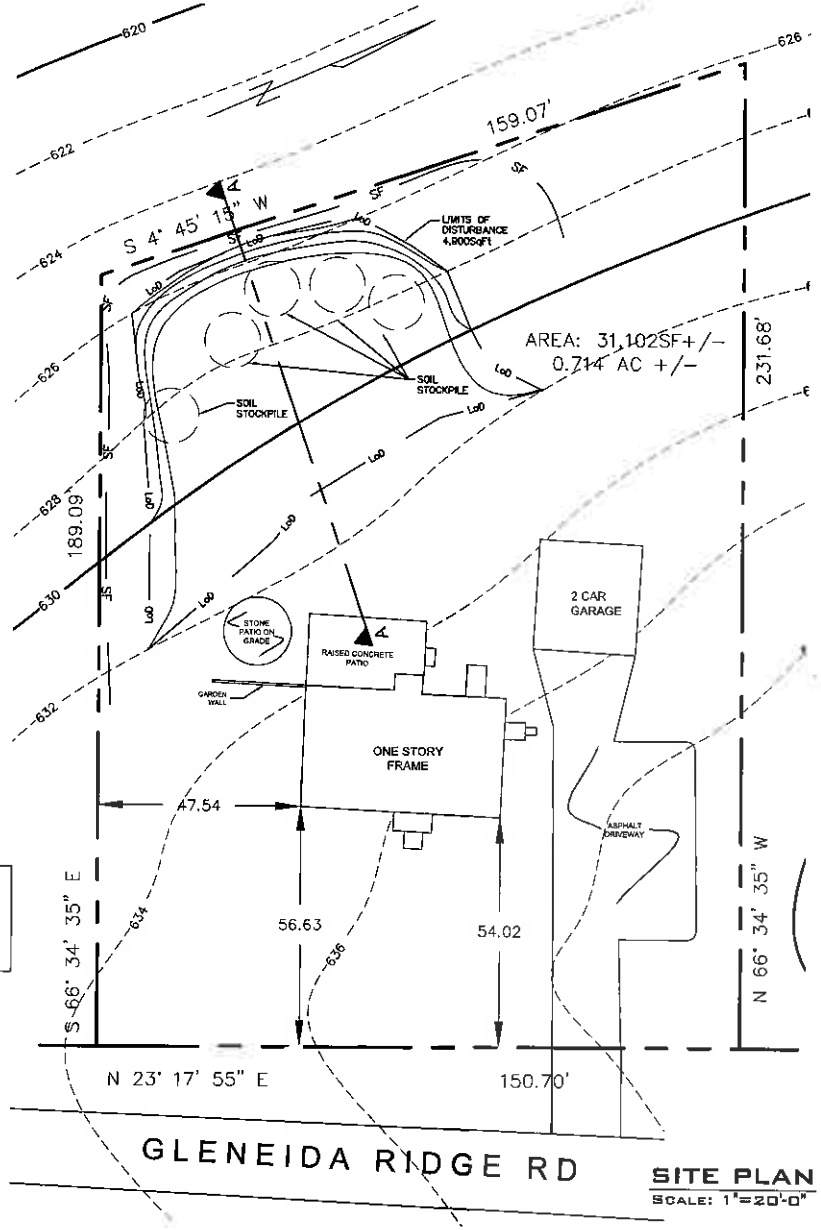
1. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH ALL SEDIMENT AND EROSION CONTROL PRACTICES. THE SEDIMENT AND EROSION CONTROL PRACTICES ARE TO BE INSTALLED PRIOR TO ANY MAJOR SOIL DISTURBANCES, AND MAINTAINED UNTIL PERMANENT PROTECTION IS ESTABLISHED.
2. TIMELY MAINTENANCE OF SEDIMENT CONTROL STRUCTURES IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL STRUCTURES SHALL BE MAINTAINED IN GOOD WORKING ORDER AT ALL TIMES. THE SEDIMENT LEVEL IN ALL SEDIMENT TRAPS SHALL BE CLOSELY MONITORED AND SEDIMENT REMOVED PROMPTLY WHEN MAXIMUM LEVELS ARE REACHED OR AS ORDERED BY THE ENGINEER. ALL SEDIMENT CONTROL STRUCTURES SHALL BE INSPECTED ON A REGULAR BASIS, AND AFTER EACH HEAVY RAIN TO INSURE PROPER OPERATION AS DESIGNED. AN INSPECTION SCHEDULE SHALL BE SET FORTH PRIOR TO THE START OF CONSTRUCTION.
3. ALL TOPSOIL NOT TO BE USED FOR FINAL GRADING SHALL BE REMOVED FROM THE SITE IMMEDIATELY AND PLACED IN A STABILIZED STOCKPILE OR FILL AREA. ALL TOPSOIL REQUIRED FOR FINAL GRADING AND STORED ON SITE SHALL BE LIMED, FERTILIZED, TEMPORARILY SEEDED AND MULCHED WITHIN 14 DAYS.
4. ANY DISTURBED AREAS THAT WILL BE LEFT EXPOSED MORE THAN 21 DAYS AND NOT SUBJECT TO CONSTRUCTION TRAFFIC, SHALL IMMEDIATELY RECEIVE TEMPORARY SEEDING. MULCH SHALL BE USED IF THE SEASON PREVENTS THE ESTABLISHMENT OF A TEMPORARY COVER. DISTURBED AREAS SHALL BE LIMED AND FERTILIZED PRIOR TO TEMPORARY SEEDING.
5. ALL DISTURBED AREAS WITHIN 500 FEET OF AN INHABITED DWELLING SHALL BE WETTED AS NECESSARY TO PROVIDE DUST CONTROL.
6. THE CONTRACTOR SHALL KEEP THE ROADWAYS WITHIN THE PROJECT CLEAR OF SOIL AND DEBRIS AND IS RESPONSIBLE FOR ANY STREET CLEANING NECESSARY DURING THE COURSE OF THE PROJECT.
7. SEDIMENT AND EROSION CONTROL STRUCTURES SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED BY PERMANENT MEASURES.

SURVEY INFORMATION OBTAINED FROM SURVEY PERFORMED BY TERRY BERGENDORFF COLLINS, LS DATED 12-19-1989 AND ADJUSTED TO REFLECT CURRENT CONDITIONS

TOPOGRAPHIC INFORMATION OBTAINED FROM PUTNAM ePARCEL GIS



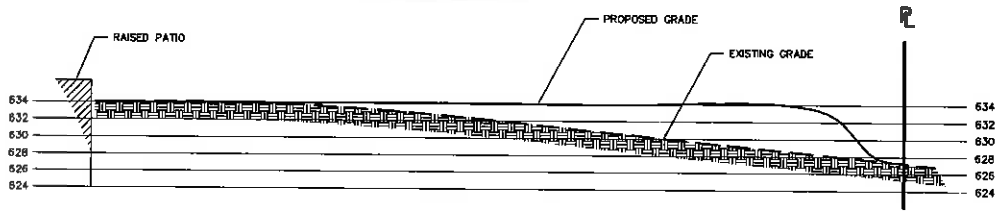
SOIL LAYER DETAIL
NTS



SITE PLAN
SCALE: 1"=20'-0"

CONSTRUCTION SEQUENCE:

INSTALLATION OF SEDIMENT & EROSION CONTROL MEASURES AS INDICATED ON THIS PLAN → PERFORM ROUGH AND FINAL GRADING → ESTABLISH VEGETATION WITH NATIVE GRASSES/IMPORT TOP SOIL AS NEEDED → ONCE VEGETATION IS ESTABLISHED, REMOVE SEDIMENT AND EROSION CONTROL MEASURES



PROFILE A-A
SCALE: 1"=20'-0"

HERNANE DE ALMEIDA
PROFESSIONAL ENGINEER
26 GLENVUE DRIVE
CARMEL, NY 10512
914-469-9741
HERNANE@EMAIL.COM

CLIENT
MR. & MRS. SANSEVERA
47 GLENEIDA RIDGE ROAD
CARMEL, NY 10512

PROJECT
PROPOSED REAR YARD GRADING
27 GLENEIDA RIDGE ROAD
CARMEL, NY 10512

DATE: 6/15/2017

REVISIONS

NO.	DATE	DESCRIPTION
1	7/7/2016	SITE MODIFICATIONS/ADDED L.O.D.

ALL CONDITIONS OF APPROVAL AS NOTED IN FORMAL LETTERS OF APPROVAL OR FINDINGS ARE A PART OF THE APPROVED SITE PLAN, SUBDIVISION OR VARIANCE PLATS, DRAWINGS OR PLANS, AND ARE HEREBY REFERENCED FOR ADDITIONAL APPROVAL DETAILS.

SEAL

PROPOSED REAR YARD GRADING

SITE PLAN
SHEET TITLE