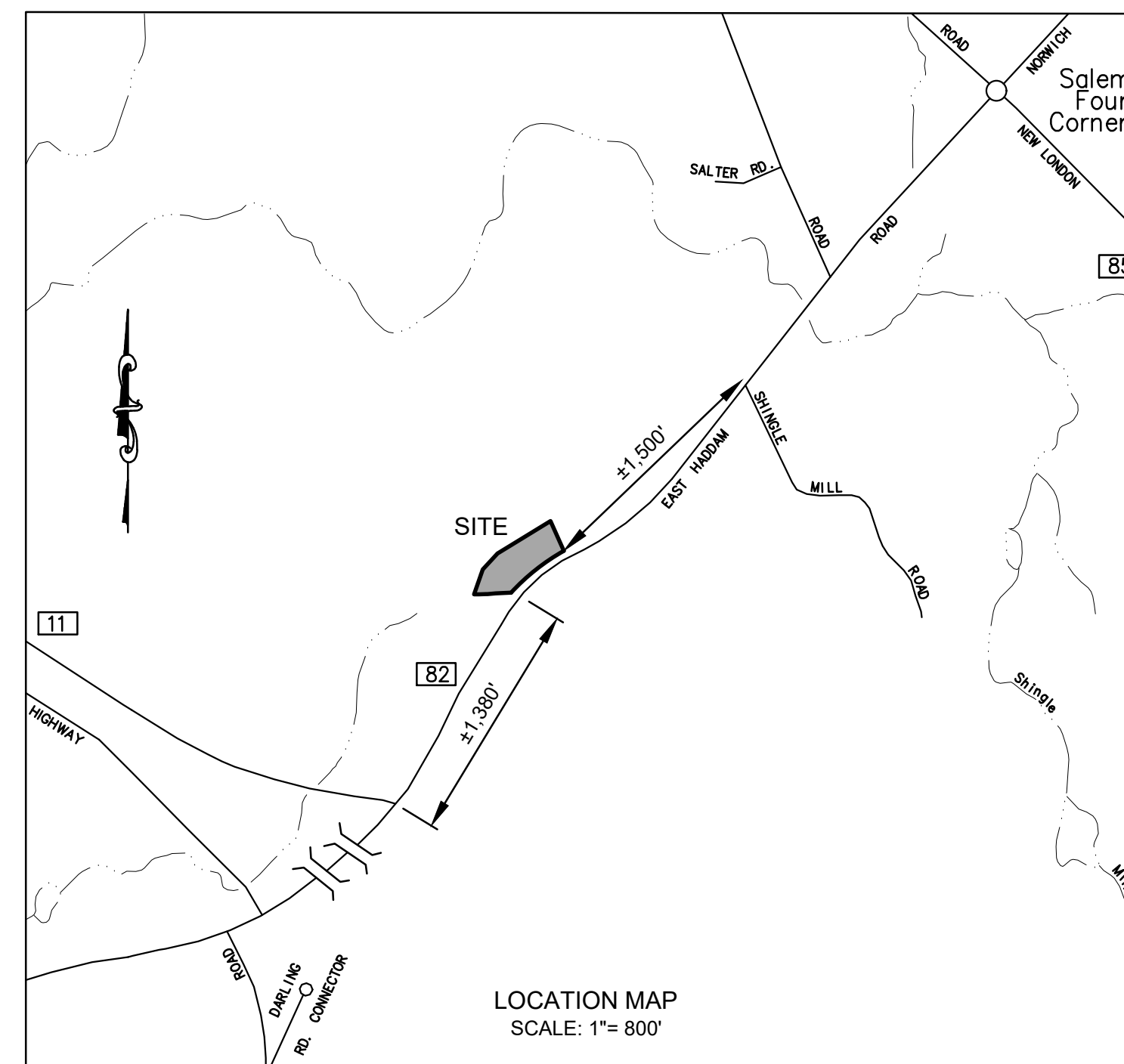


PROPOSED MOTOR TRUCK TERMINAL 142 EAST HADDAM ROAD (CT RTE 82) SALEM, CONNECTICUT



LIST OF DRAWINGS

1	COVER SHEET
2	500' ABUTTERS MAP
3	EXISTING CONDITIONS PLAN
4	SITE, GRADING & UTILITY PLAN
5	EROSION & SEDIMENTATION CONTROL PLAN
6	LIGHTING PLAN
7	CONSTRUCTION DETAILS

APPROVED BY THE SALEM PLANNING AND ZONING COMMISSION ON:

DATE

CHAIRMAN OR SECRETARY

Property Owner
OK CHA PANFILI
142 East Haddam Road
Salem, CT 06420

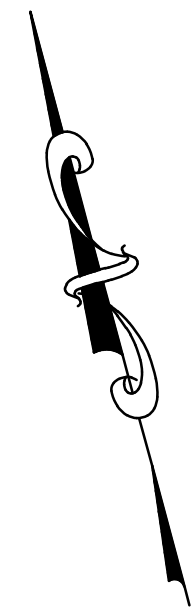
Applicant
Arborio Brothers, LLC
231 Shunpike Road
Cromwell, CT 06416

Lighting Consultant
APEX Lighting Solutions, LLC
20-30 Beaver Brook Road
Wethersfield, CT 06109
(TEL.) 860-632-8766
(FAX) 860-632-8236

Civil Engineer
CLOSE JENSEN & MILLER, P.C.
1137 Silas Deane Highway
Wethersfield, CT 06109
(TEL.) 860-563-9375
(FAX) 860-721-1802

Soil Scientist
Richard Snarski, New England Environmental Services
Blackledge River Nursery
155 Henry Daniels Road
Marlborough, CT 06447
(TEL.) 860-918-1970

PLAN DATE: 12/06/19
REVISED: 3/05/20 - FUEL TANK / MATERIAL STOCKPILES
REVISED: 3/30/20 - PLANTINGS ADDED
REVISED: 6/01/20 - MATERIAL STOCKPILES MOVED
REVISED: 8/11/20 - PARKING REVISED
REVISED: 9/15/20 - STAFF COMMENTS

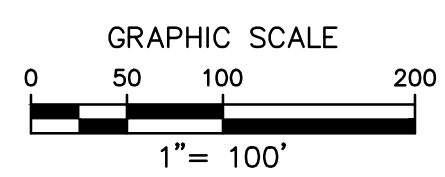


ABUTTERS LIST

- ① STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION
2800 BERLIN TURNPIKE
P.O. BOX 317546
NEWINGTON, CT 06131-7546
- ② EAST HADDAM ROAD LLC
P.O. BOX 635
NIANTIC, CT 06357-0635
- ③ AMERICAN TOWER CORP.
P.O. BOX 723597
ATLANTA, GA 31139
- ④ ADVANCED GAS CORP.
183 EAST HADDAM ROAD
SALEM, CT 06420
- ⑤ NATURE CONSERVANCY OF
CONNECTICUT
55 HIGH STREET
MIDDLETOWN, CT 06457
- ⑥ CONNECTICUT SUPERIOR STONE, LLC
ATTN: DANIEL JULIAN, MANAGER
120 EAST HADDAM ROAD
SALEM, CT 06420

APPROVED BY THE SALEM PLANNING AND ZONING COMMISSION ON :

DATE _____ CHAIRMAN OR SECRETARY _____



No.	Date	Description
1	9-15-20	STAFF COMMENTS
Revisions		

No.	Date	Description

E. J. M. **Close, Jensen & Miller, P.C.**
Consulting Engineers, Land Planners & Surveyors
1137 Silas Deane Highway, Wethersfield, Conn. 06109, Tel. (860)563-9375

500' ABUTTERS MAP

PROPERTY OF OK CHA PANFILI
PROPOSED MOTOR TRUCK TERMINAL
FOR ARBORIO BROTHERS, LLC
142 EAST HADDAM ROAD
SALEM, CONNECTICUT

Compiled	E.T.J.
P.C. Check	
Designed	
Drawn	E.T.J.
Checked	C.G.
Scale	1" = 100'
Date	12/08/19
Sheet	Of
2	7
Job No.	
File No.	

R:\C:\M\Salem\142 East Haddam Road\Drawings\1-SITE-PLANS-ALT.dwg

LEGEND:

GUY WIRE	—
ELECTRIC CONDUIT	—
UTILITY POLE	—
LIGHT POLE	—
YARD DRAIN	—
CATCH BASIN	—
DRAINAGE MANHOLE	—
SIGN	—
GATE	—
STORM PIPE	—
WATER LINE	—
CHAIN LINK FENCE	—
WIRE FENCE	—
GUIDE RAIL	—
TREE LINE	—

MAP REFERENCES:

- "RESUBDIVISION MAP, PROPERTY OF N/F OF FLORENCE ROBBINS TO BE CONVEYED TO PANFILI, #142 EAST HADDAM ROAD, ROUTE #82, SALEM, CONNECTICUT, SCALE: 1"= 20', DATED: SEPT. 25, 2005, LAST REVISED 1-21-06" BY ROBERT T. WEAVER, L.S.
- "STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION RIGHT OF WAY MAP, TOWN OF SALEM, NORWICH-HADLYME ROAD FROM THE HARTFORD-NEW HAVEN ROAD WESTERLY ABOUT 5,300 FEET, ROUTE NO. 153, SCALE: 1"= 40', DATE: SEPTEMBER 25, 1998".

DEEP TEST HOLE DATA / SOIL DESCRIPTIONS		
TEST HOLE #1	TEST HOLE #2	TEST HOLE #3
0" - 96" FILL	0" - 93" FILL	0" - 86" FILL
0" - 7" TOPSOIL 7" - 96" LIGHT BROWN SAND WITH COBBLES AND FINE GRAVEL • BURIED ROCK PILE?	0" - 2" TOPSOIL 2" - 93" LIGHT BROWN SAND WITH COBBLES AND FINE GRAVEL	0" - 3" TOPSOIL 3" - 31" 31" - 86" MIXTURE OF ORANGE BROWN SAND WITH COBBLES & ROCKS (UNCLEAR IF NATURAL)
MOTTLING: 62" TRACES	MOTTLING: 72" TRACES	MOTTLING: 53" TRACES
GW: N/O	GW: N/O	GW: N/O
LEDGE: N/O	LEDGE: N/O	LEDGE: N/O
ROOTS: TOPSOIL LAYER	ROOTS: N/O	ROOTS: N/O
RESTRICTIVE:	RESTRICTIVE:	RESTRICTIVE:

DATE: 8-11-2020

PERCOLATION TEST DATA			
PERC # 4	PERC RATE:		
DEPTH: 18.25"	40 MIN. / INCH		
PRESOAK TIME: 8:03 AM			
TIME	READING	TIME	READING
11:17	10"	12:17	12.25"
11:27	10.5"	12:27	12.5"
11:37	10.75"	12:37	12.75"
11:47	11"	12:47	13"
11:57	11.5"		
12:07	12"		

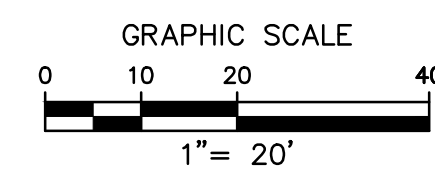
DATE: 8-11-2020

NOTES:

- THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300B-1 THRU 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON OCT. 26, 2018. THIS IS AN IMPROVEMENT LOCATION SURVEY BASED ON A RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND VERTICAL ACCURACY 1-2 AND IS INTENDED TO DEPICT THE POSITION, HORIZONTALLY AND, WHERE REQUIRED, VERTICALLY, BETWEEN PARTICULAR EXISTING OR PROPOSED IMPROVEMENTS WITH RESPECT TO THE APPLICABLE MUNICIPAL OR STATUTORY REQUIREMENTS.
- ELEVATIONS ARE BASED ON NAVD 1988 DATUM, COORDINATES ARE BASED ON NAD 1983 DATUM.
- PROPERTY IS LOCATED IN HIGHWAY COMMERCIAL ZONE.
- THIS SURVEY IS NOT VALID WITHOUT A LIVE SIGNATURE AND EMBOSSED SEAL.

APPROVED BY THE SALEM PLANNING AND ZONING COMMISSION ON :

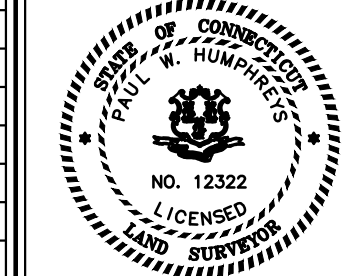
DATE _____ CHAIRMAN OR SECRETARY _____



TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

By *Paul W. Humphreys*
PAUL W. HUMPHREYS, L.S.
LIC. NO. 12322

No.	Date	Description
2	9-15-20	LEACHING GALLEYS REVISED
1	8/11/20	SEPTIC TANK LOCATION REVISED
Revisions		



IMPROVEMENT LOCATION SURVEY

B. J. M. *Close, Jensen & Miller, P. C.*
Consulting Engineers, Land Planners & Surveyors
1137 Silas Deane Highway, Wethersfield, Conn. 06109, Tel. (860)563-9375

EXISTING CONDITIONS PLAN

PROPERTY OF
OK CHA PANFILI
142 EAST HADDAM ROAD
SALEM, CONNECTICUT

Compiled	E.T.J.
P.C. Check	J.T.
Designed	
Drawn	E.T.J.
Checked	P.W.H.
Scale	1"= 20'
Date	12/08/19
Sheet	Of
3	7
Job No.	
File No.	

LEGEND:

- GUY WIRE
- ELECTRIC CONDUIT
- UTILITY POLE
- LIGHT POLE
- YARD DRAIN
- CATCH BASIN
- DRAINAGE MANHOLE
- SIGN
- GATE
- STORM PIPE
- WATER LINE
- CHAIN LINK FENCE
- WIRE FENCE
- GUIDE RAIL
- TREE LINE

GENERAL NOTES:

1. ELEVATIONS ARE BASED ON NAVD 1988.
2. BEARINGS SHOWN ARE BASED ON STATE OF CONNECTICUT GRID COORDINATE SYSTEM NAD 83.
3. ALL MONUMENTS AND IRON PINS TO BE SET SHALL MEET OR EXCEED THE MATERIAL REQUIREMENTS AS SET FORTH BY THE TOWN OF SALEM.
4. EXISTING TREES AND SHRUBS SHALL BE PRESERVED AS SHOWN ON THE PLANS.
5. THE UTILITIES ON THIS PLAN HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND HAVE BEEN LOCATED IN THE FIELD WHERE POSSIBLE. THE ACTUAL LOCATION OF THESE UTILITIES SHOULD BE VERIFIED BY THE CONTRACTOR.
6. ALL PROPOSED ELECTRICAL CONDUITS FOR SITE LIGHTING LOCATED WITHIN THE DEVELOPMENT LIMITS SHALL BE LOCATED UNDERGROUND.
7. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM WITH THE SPECIFICATIONS FOR THE TOWN OF SALEM, CONNDOT FORM 818, LATEST EDITION, AND RESPECTIVE UTILITY COMPANIES.
8. ALL TRENCHES SHALL BE BACK FILLED WITH GRAVEL. NO OVERNIGHT TRENCHES SHALL BE PERMITTED.
9. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES SHALL BE REPORTED TO THE DESIGN ENGINEER AND TOWN ENGINEERING CONSULTANT BEFORE PROCEEDING.
10. ALL UNSUITABLE MATERIAL DISCOVERED DURING CONSTRUCTION SHALL BE REMOVED OR DISPOSED OF IN A SUITABLE MANNER. SAID MATERIAL SHALL INCLUDE TREES, BRUSH, ORGANIC MATERIAL, ETC.
11. SITE LIGHTING CONSISTS OF CUT OFF LUMINAIRES MOUNTED ATOP WOOD POLES. THE SITE LIGHTING AS REPRESENTED ON THE PHOTOMETRICS PLAN IS ONLY FOR THE FIXTURE SPECIFIED AND IS NOT INTERCHANGEABLE WITH OTHER FIXTURES. ALL LIGHTING SHALL BE FROM APEX LIGHTING SOLUTIONS.
12. SOLID WASTE DISPOSAL SHALL BE DUMPSTER WITH PRIVATE COLLECTION.

ZONING TABLE		
ZONE: HIGHWAY COMMERCIAL	REQUIRED	PROPOSED
MIN. LOT FRONTAGE	200'	373.0'
MIN. FRONT SETBACK	50'	68.0'
MIN. SIDE SETBACK	25'	50.7'
MIN. REAR SETBACK	25'	96.4'
MAX. LOT COVERAGE	25%	2.6%
MIN. LOT SIZE	80,000 S.F.	93,154 S.F.
MAX. BUILDING HEIGHT	35'	16.4' (EXIST.)
MIN. LOADING / UNLOADING AREA	400 S.F. FOR EACH 15,000 S.F. OF FLOOR AREA OR 1 SPACE	0
MIN. PARKING SPACES	AS DETERMINED BY THE P&Z COMMISSION	6-11 TRUCKS & 11 CARS

PLANT SCHEDULE

QUANTITY	LATIN NAME COMMON NAME	SIZE	TYPE	COMMENTS
DECIDUOUS TREES				
4	<i>Gleditsia triacanthos</i> 'Shademaster' Thornless Honeylocust	3 Caliper	B & B	6' Branching Straight Trunk
CONIFEROUS TREES				
8	<i>Pinus thunbergii</i> 'Thunderhead' Japanese Black Pine	5'-6' Height	B & B	Dense

INVENTORY OF STORAGE OF HAZARDOUS MATERIALS

MATERIAL	USE	VOLUME (MAXIMUM)	NOTES
CHEVRON 1000 THF	TRACTOR HYDRAULIC FLUID & WET BRAKE	≤ 5 GAL.	STORED IN BUILDING
CHEVRON SUPREME MOTOR OIL	AUTOMOTIVE ENGINE OIL	≤ 5 GAL.	STORED IN BUILDING
DIESEL FUEL	FUEL	925 GAL.	PROPOSED SINGLE WALLED FUEL TANK WITH A COVERED STEEL SECONDARY CONTAINMENT SYSTEM TO BE LOCATED ADJACENT TO BUILDING. FUEL TO BE DELIVERED BY COMMERCIAL FUEL TRUCK. EMERGENCY SPILL RESPONSE KIT TO BE LOCATED ON-SITE

APPROVED BY THE SALEM PLANNING AND ZONING COMMISSION ON:

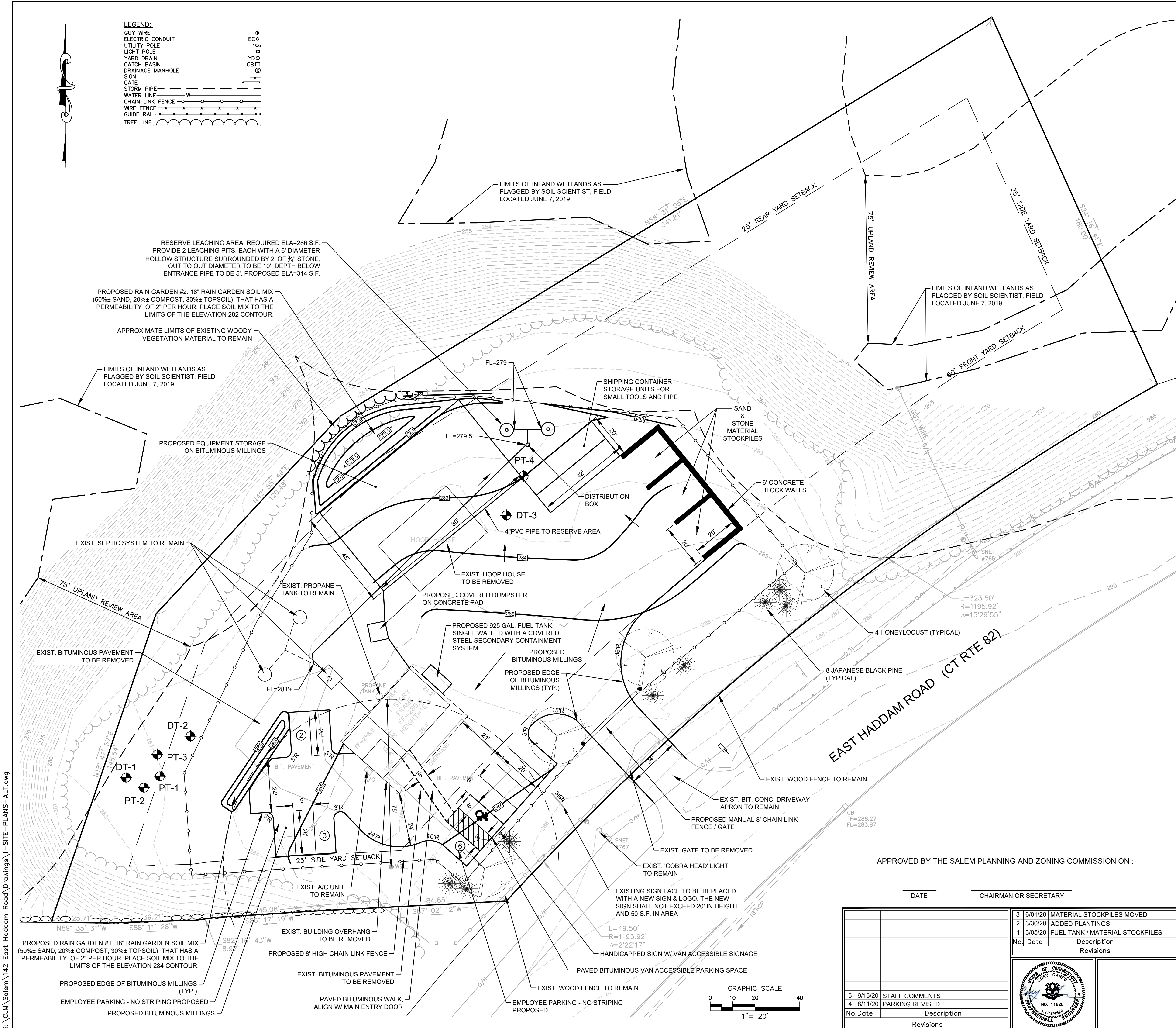
DATE	CHAIRMAN OR SECRETARY
6/01/20	MATERIAL STOCKPILES MOVED
3/30/20	ADDED PLANTINGS
3/05/20	FUEL TANK / MATERIAL STOCKPILES
No. Date	Description
Revisions	
5 9/15/20	STAFF COMMENTS
4 8/11/20	PARKING REVISED
No. Date	Description
Revisions	

Close, Jensen & Miller, P. C.
 Consulting Engineers, Land Planners & Surveyors
 1137 Silas Deane Highway, Wethersfield, Conn. 06109, Tel. (860)563-9375

Compiled E.T.J.
 P.C. Check
 Designed K.R.J.
 Drawn E.T.J.
 Checked C.G.
 Scale 1" = 20'
 Date 12/08/19
 Sheet 4 Of 7
 Job No.
 File No.

SITE, GRADING & UTILITY PLAN

PROPERTY OF OK CHA PANFILI
PROPOSED MOTOR TRUCK TERMINAL
 FOR ARBORIO BROTHERS, LLC
 142 EAST HADDAM ROAD
 SALEM, CONNECTICUT



EROSION AND SEDIMENTATION CONTROL NARRATIVE

DURING CONSTRUCTION

IN GENERAL, THE EROSION AND SEDIMENTATION CONTROL DEVICES AND MEASURES AS SHOWN ON THESE PLANS SHALL BE INSTALLED AND MAINTAINED IN CONFORMANCE TO THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL - " PUBLISHED BY THE CONNECTICUT COUNCIL OF SOIL AND WATER CONSERVATION, MAY 2002, LATEST EDITION.

IT MAY BE NECESSARY TO USE ADDITIONAL EROSION CONTROLS OTHER THAN THOSE INDICATED ON THESE PLANS AS FIELD CONDITIONS WARRANT OR AS DIRECTED BY THE TOWN OF SALEM ZONING ENFORCEMENT OFFICER, WETLANDS AGENT OR OTHER DULY AUTHORIZED REPRESENTATIVE. ADDITIONAL EROSION CONTROLS MAY CONSIST OF, BUT SHALL NOT BE LIMITED TO, CHECK DAMS, HAY BALES, FILTER FABRICS, ETC. ALL EROSION CONTROLS SHALL BE PROPERLY INSTALLED, MONITORED AND MAINTAINED AS FOLLOWS UNTIL ALL EXPOSED AREAS ARE PERMANENTLY STABILIZED:

SILT FENCING:

- CHECK ONCE PER WEEK AND WITHIN 24 HRS. OF A 0.1 INCH OR GREATER STORM EVENT.
- DO NOT ALLOW SEDIMENT TO BUILD UP MORE THAN ONE THIRD THE HEIGHT OF THE SILT FENCE.
- REMOVE SEDIMENT AS REQUIRED AND RESTAPLE AND/OR REPLACE SILT FENCING AS REQUIRED.
- REPLACE ALL SILT FENCING WHICH REMAINS IN THE FIELD FOR PERIODS OF TIME GREATER THAN ONE YEAR. REPEAT AS REQUIRED.

STONE ANTI-TRACKING PAD:

- CHECK ONCE PER WEEK AND WITHIN 24 HRS. OF A 0.1 INCH OR GREATER STORM EVENT.
- IF SEDIMENT BUILD UP CAUSES STONE TO LOSE ITS EFFECTIVENESS, REMOVE EXISTING STONE & FILTER FABRIC AND REPLACE WITH CLEAN FILTER FABRIC AND STONE AND REPEAT AS REQUIRED.

HAYBALE DAM:

- CHECK ONCE PER WEEK AND WITHIN 24 HRS. OF A 0.1 INCH OR GREATER STORM EVENT.
- REMOVE DEBRIS AND REPLACE BALES WHICH IMPEDE STORM FLOW OR DRAINAGE. RESTAKE AS REQUIRED.

STONE CHECK DAMS:

- CHECK DAMS AT LEAST ONCE PER WEEK AND WITHIN 24 HRS. OF A 0.1 INCH OR GREATER STORM EVENT.
- REMOVE SEDIMENT AND DEBRIS WHEN DEPOSIT DEPTH REACHES HALF OF THE CHECK DAM.
- REPLACE OR REPAIR CHECK DAM WITHIN 24 HRS. OF OBSERVED FAILURE.
- REMOVE ONCE VEGETATED AREAS ARE STABILIZED.

VEGETATED AREAS:

- CHECK ONCE PER WEEK AND WITHIN 24 HRS. OF A 0.1 INCH OR GREATER STORM EVENT.
- RESEED AS REQUIRED.

SEED AND TACKIFIER SHALL BE APPLIED BY APPROVED HYDRO-SEEDING METHODS. WATER SEEDED AREA UNTIL A UNIFORM AND VIGOROUS GROWTH OF TURF HAS BEEN ESTABLISHED. MONITOR UNTIL STABILIZED. REPEAT RE-SEEDING AS REQUIRED. DURING CONSTRUCTION, ARBORIO CORPORATION SHALL BE RESPONSIBLE FOR ALL MONITORING AND MAINTENANCE REQUIREMENTS OF ALL EROSION CONTROLS.

POST CONSTRUCTION

AT THE CONCLUSION OF CONSTRUCTION THE FOLLOWING EROSION CONTROLS MUST BE MONITORED AS FOLLOWS:

VEGETATED AREAS:

- CHECK ONCE PER MONTH FOR 3 MONTHS AND WITHIN 24 HRS. OF A 0.1 INCH OR GREATER STORM EVENT. SEED WITH MIXTURE AS NOTED ON DESIGN PLANS. MONITOR UNTIL STABILIZED.

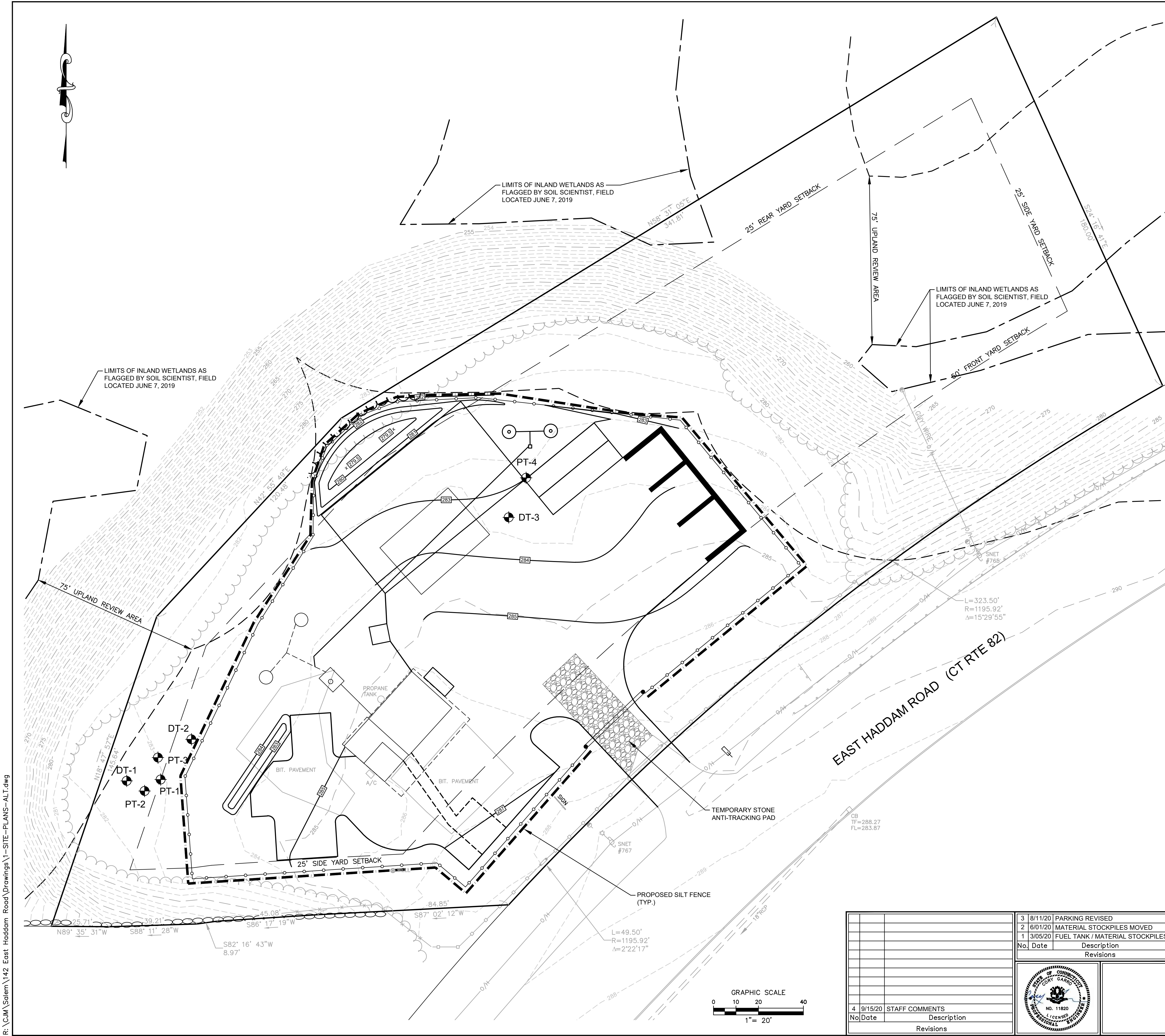
SEED MIXTURE:

- 42% CREEPING RED FESCUE
- 34% TAILGATER PERENNIAL RYEGRASS
- 8% RED TOP
- 8% BIRDSFOOT TREFOLI
- 8% WHITE CLOVER

SEED AVAILABLE AT THE CHAS. C. HART SEED CO. WETHERSFIELD, CT. TEL. 860-529-2537.

SEED BED PREPARATION

1. THE TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED ON THE DESIGNATED AREAS AND EVENLY SPREAD TO A DEPTH OF AT LEAST FOUR (4) INCHES. IT SHALL BE IN SUFFICIENT DEPTH TO COMPENSATE FOR ANY SHRINKAGE AND THE TOPSOIL SHALL BE MEASURED PERPENDICULAR TO THE PLANE OF THE FINISHED GRADE. IRREGULARITIES IN THE SURFACE RESULTING FROM OPERATIONS THEREOF SHALL BE CORRECTED TO PREVENT THE FORMATION OF DEPRESSIONS WHERE WATER WILL STAND. TOPSOIL SHALL NOT BE PLACED OR WORKED WHEN IT IS FROZEN, EXCESSIVELY DRY OR WET OR IN A CONDITION OTHERWISE DETRIMENTAL TO THE PROPOSED SEEDING.
2. APPLY COMMERCIAL FERTILIZER, LIME AND ANY OTHER SOIL ADDITIVES ACCORDING TO THE REQUIREMENTS AND RATES RECOMMENDED BY SOIL TEST RESULTS.



EROSION AND SEDIMENT CONTROL PLAN CERTIFIED BY VOTE OF THE SALEM PLANNING AND ZONING COMMISSION ON:

DATE _____ CHAIRMAN OR SECRETARY _____

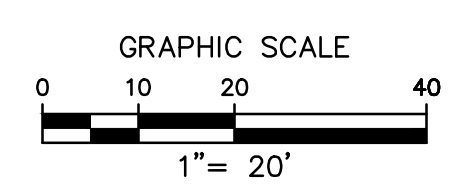
No.	Date	Description
3	8/11/20	PARKING REVISED
2	6/01/20	MATERIAL STOCKPILES MOVED
1	3/05/20	FUEL TANK / MATERIAL STOCKPILES
Revisions		
4	9/15/20	STAFF COMMENTS
No.	Date	Description
Revisions		

B. J. M. **Close, Jensen & Miller, P. C.**
 Consulting Engineers, Land Planners & Surveyors
 1137 Silas Deane Highway, Wethersfield, Conn. 06109, Tel. (860)563-9375

Compiled	E.T.J.
P.C. Check	
Designed	K.R.J.
Drawn	E.T.J.
Checked	C.G.
Scale	1" = 20'
Date	12/08/19
Sheet	Of
	5 7
Job No.	
File No.	

EROSION & SEDIMENTATION CONTROL PLAN

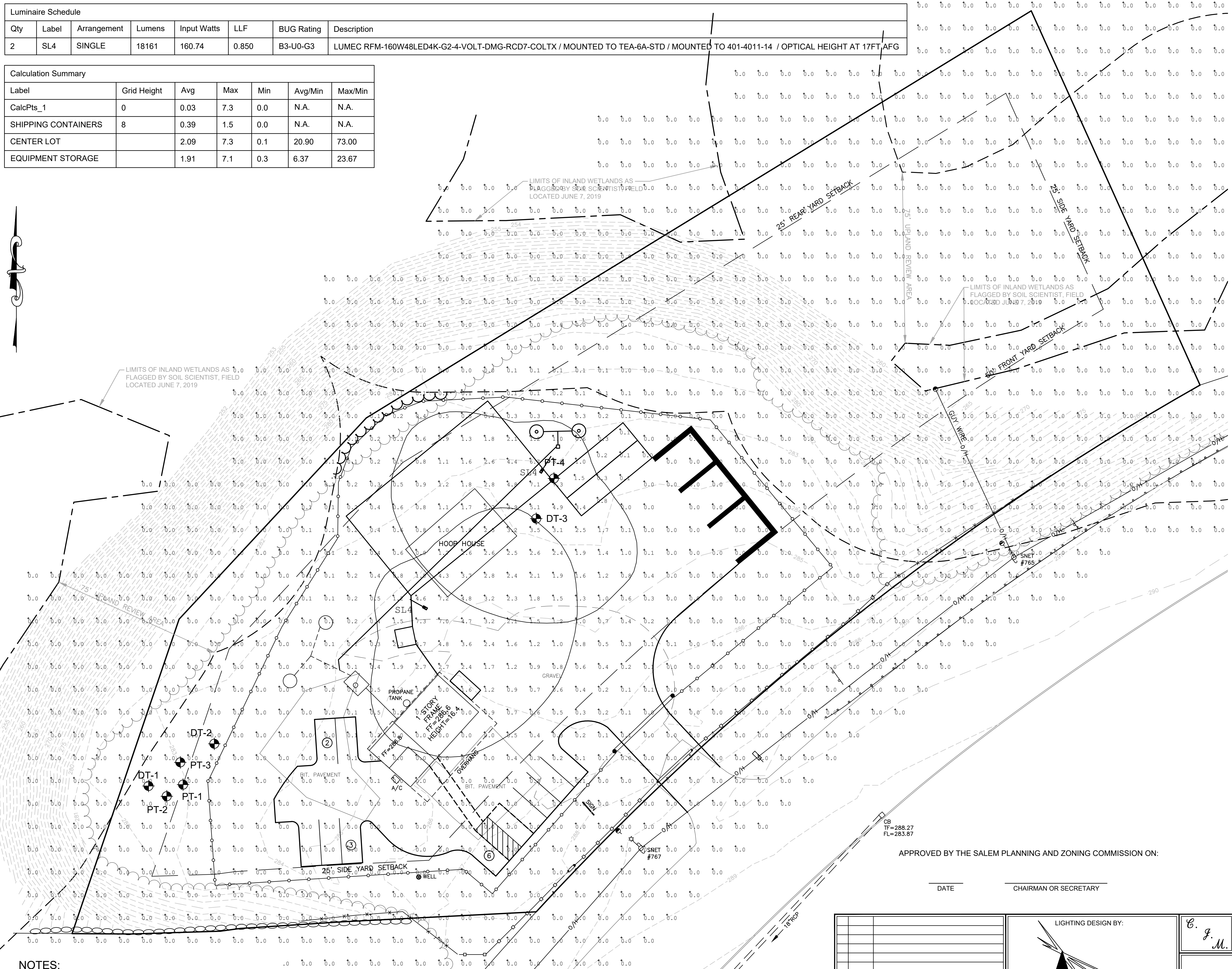
PROPERTY OF OK CHA PANFILI
PROPOSED MOTOR TRUCK TERMINAL
 FOR ARBORIO BROTHERS, LLC
 142 EAST HADDAM ROAD
 SALEM, CONNECTICUT



R:\C:\M\Salem\142 East Haddam Road\Drawings\1-SITE-PLANS-ALT.dwg

Luminaire Schedule							
Qty	Label	Arrangement	Lumens	Input Watts	LLF	BUG Rating	Description
2	SL4	SINGLE	18161	160.74	0.850	B3-U0-G3	LUMEC RFM-160W48LED4K-G2-4-VOLT-DMG-RCD7-COLTX / MOUNTED TO TEA-6A-STD / MOUNTED TO 401-4011-14 / OPTICAL HEIGHT AT 17FT AFG

Calculation Summary						
Label	Grid Height	Avg	Max	Min	Avg/Min	Max/Min
CalcPts_1	0	0.03	7.3	0.0	N.A.	N.A.
SHIPPING CONTAINERS	8	0.39	1.5	0.0	N.A.	N.A.
CENTER LOT		2.09	7.3	0.1	20.90	73.00
EQUIPMENT STORAGE		1.91	7.1	0.3	6.37	23.67



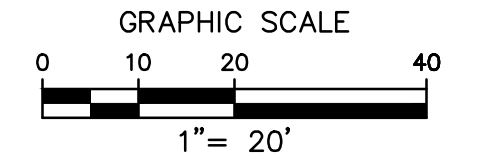
GENERAL DISCLAIMER:
 Calculations have been performed according to IES standards and good practice. Some differences between measured values and calculated results may occur due to tolerances in calculation methods, testing procedures, component performance, measurement techniques and field conditions such as voltage and temperature variations. Input data used to generate the attached calculations such as room dimensions, reflectances, furniture and architectural elements significantly affect the lighting calculations. If the real environment conditions do not match the input data, differences will occur between measured values and calculated values.
 * LLF Determined Using Current Published Lamp Data

NOTE TO REVIEWER:
 Total Light Loss Factor (LLF) applied at time of design is determined by applying the Lamp Lumen Depreciation (LLD) from current lamp manufacturer's catalog, a Luminaire Dirt Depreciation Factor (LDD) based on IES recommended values and a Ballast Factor (BF) from current ballast specification sheets. Application of an incorrect Light Loss Factor (LLF) will result in forecasts of performance that will not accurately depict actual results.
 For proper comparison of photometric layouts, it is essential that you insist all designers use correct Light Loss Factors.

APPROVED BY THE SALEM PLANNING AND ZONING COMMISSION ON:

DATE _____ CHAIRMAN OR SECRETARY _____

NOTES:
 1. LIGHTING FIXTURES SHOWN ARE AVAILABLE FROM APEX LIGHTING SOLUTIONS AND ARE NOT INTERCHANGEABLE WITH OTHER LIGHT PRODUCTS.



No	Date	Description
4	9/15/20	STAFF COMMENTS
3	8/11/20	PARKING REVISED
2	6/01/20	MATERIAL STOCKPILES MOVED
1	3/05/20	FUEL TANK / MATERIAL STOCKPILES

LIGHTING DESIGN BY:

THE POINT WHERE ALL ASCENDING LINES CONVERGE

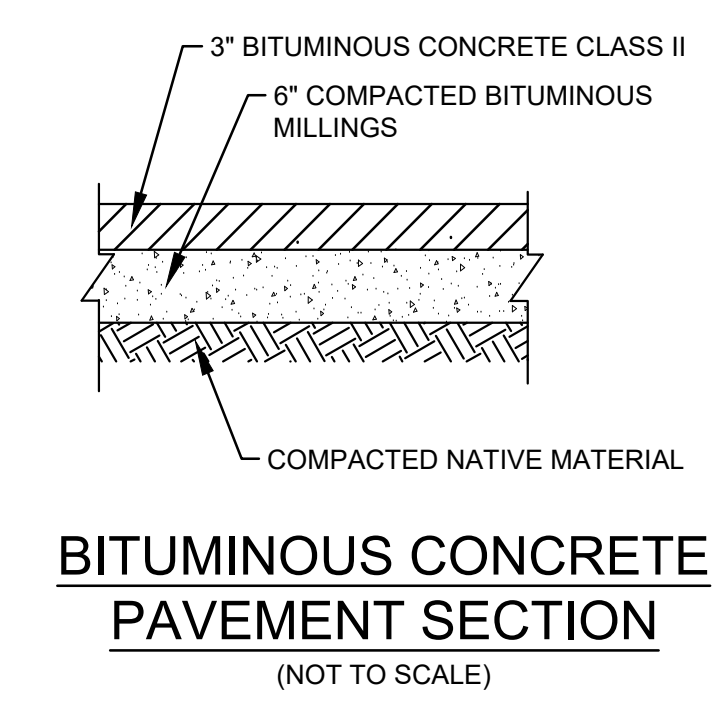
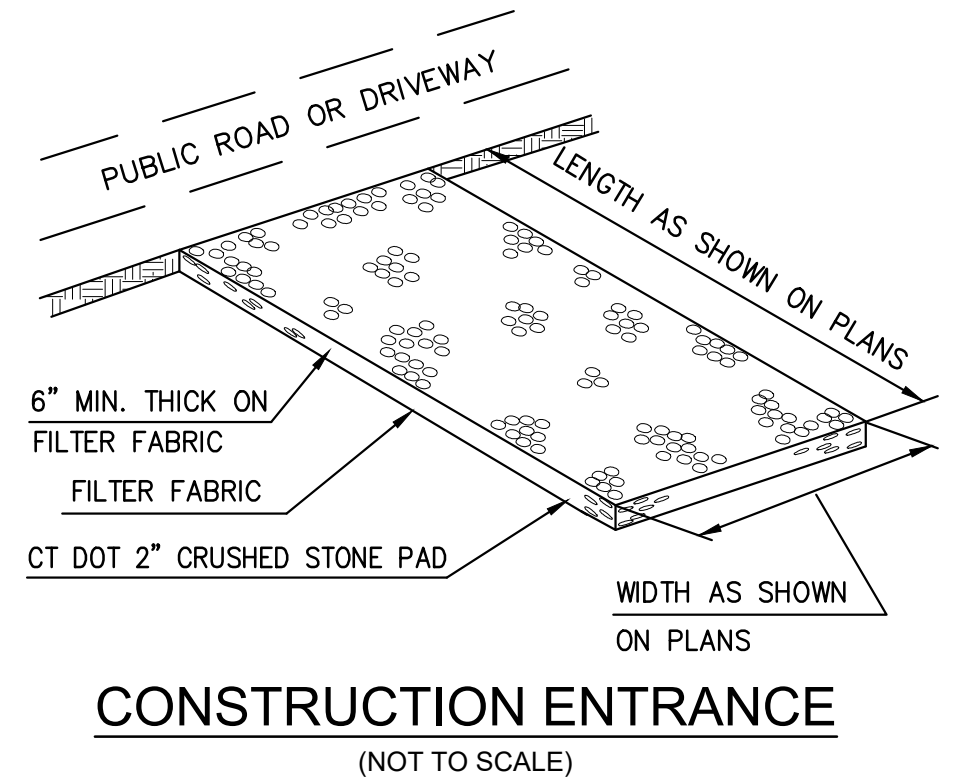
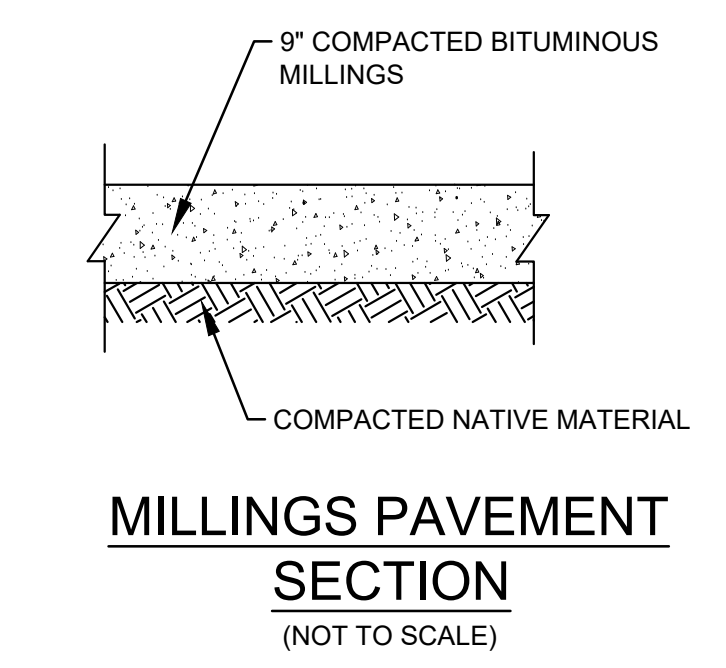
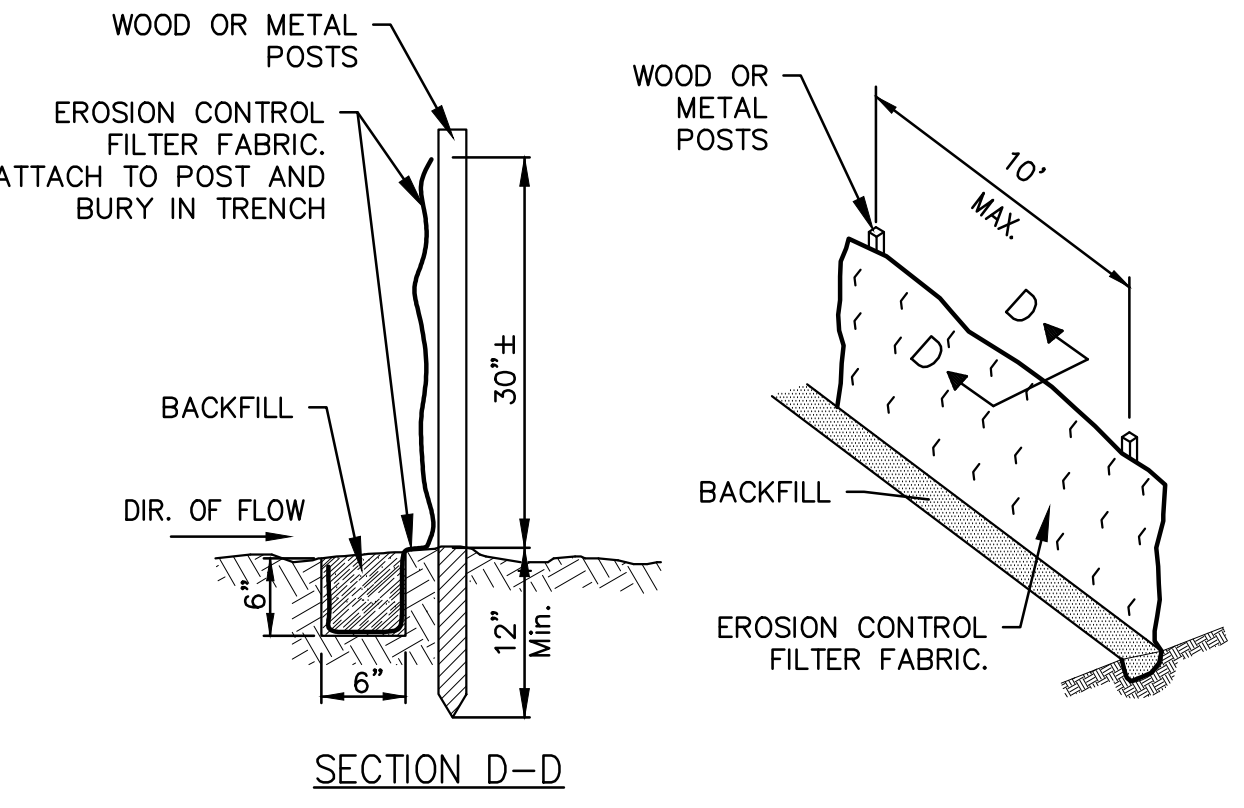
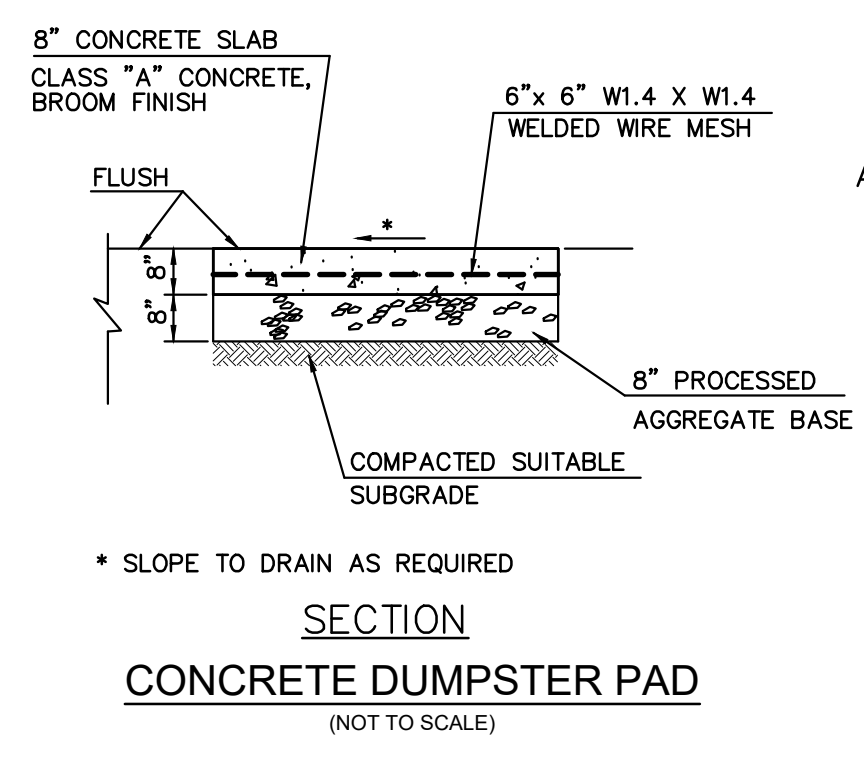
B. J. M.
Close, Jensen & Miller, P. C.
 Consulting Engineers, Land Planners & Surveyors
 1137 Silas Deane Highway, Wethersfield, Conn. 06109, Tel. (860)563-9375

PHOTOMETRIC PLAN

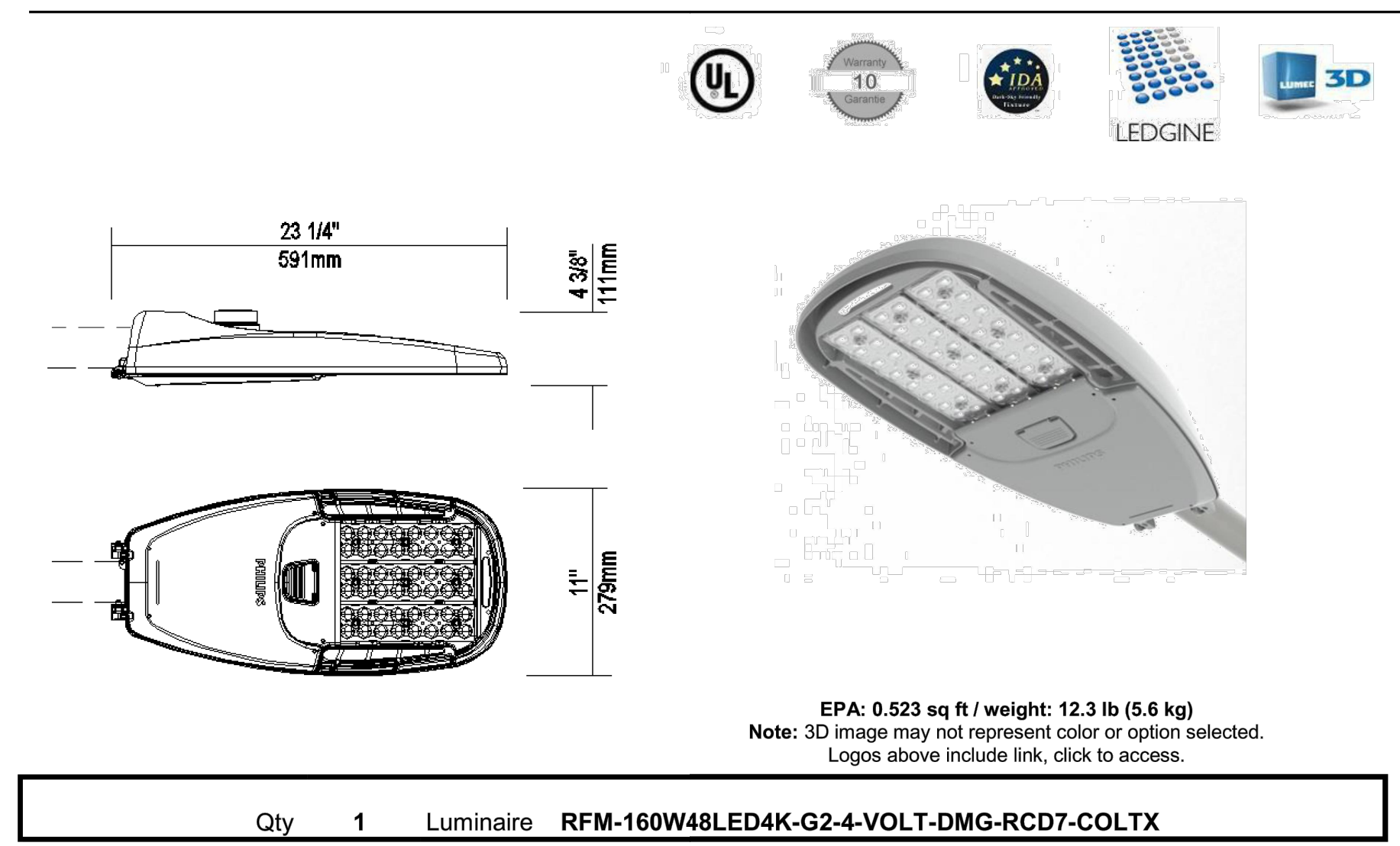
PROPERTY OF OK CHA PANFILI
PROPOSED MOTOR TRUCK TERMINAL
 FOR ARBORIO BROTHERS, LLC
 142 EAST HADDAM ROAD
 SALEM, CONNECTICUT

Compiled	Apex
P.C. Check	
Designed	Apex
Drawn	
Checked	Apex
Scale	1" = 20'
Date	12/08/19
Sheet	Of
6	7
Job No.	
File No.	

R:\C:\MSalemi\142 East Haddam Road\Drawings\PHOTOMETRIC-ALT.dwg



ARBORIO (Reference=L65996-1)



Description of Components:

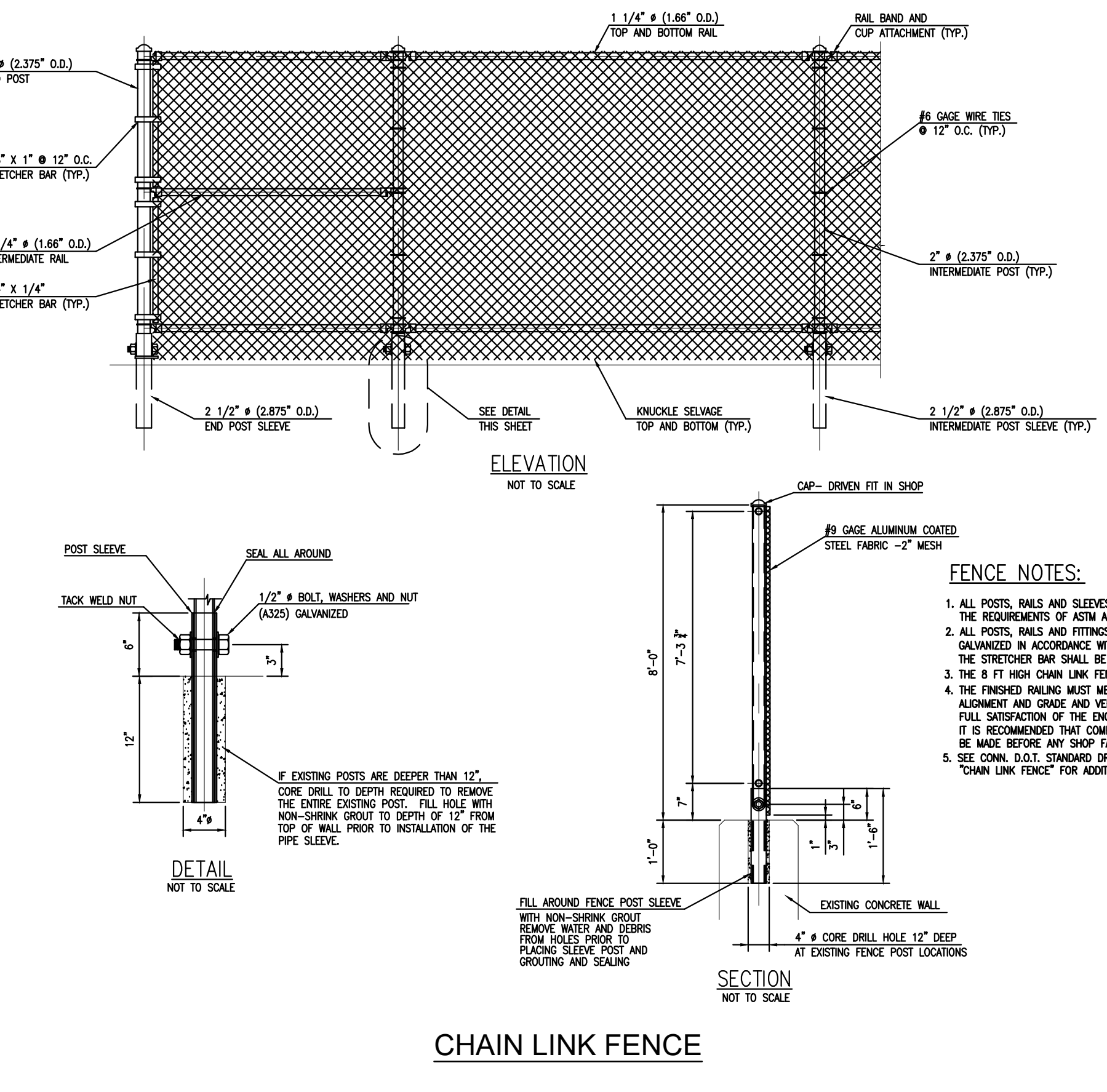
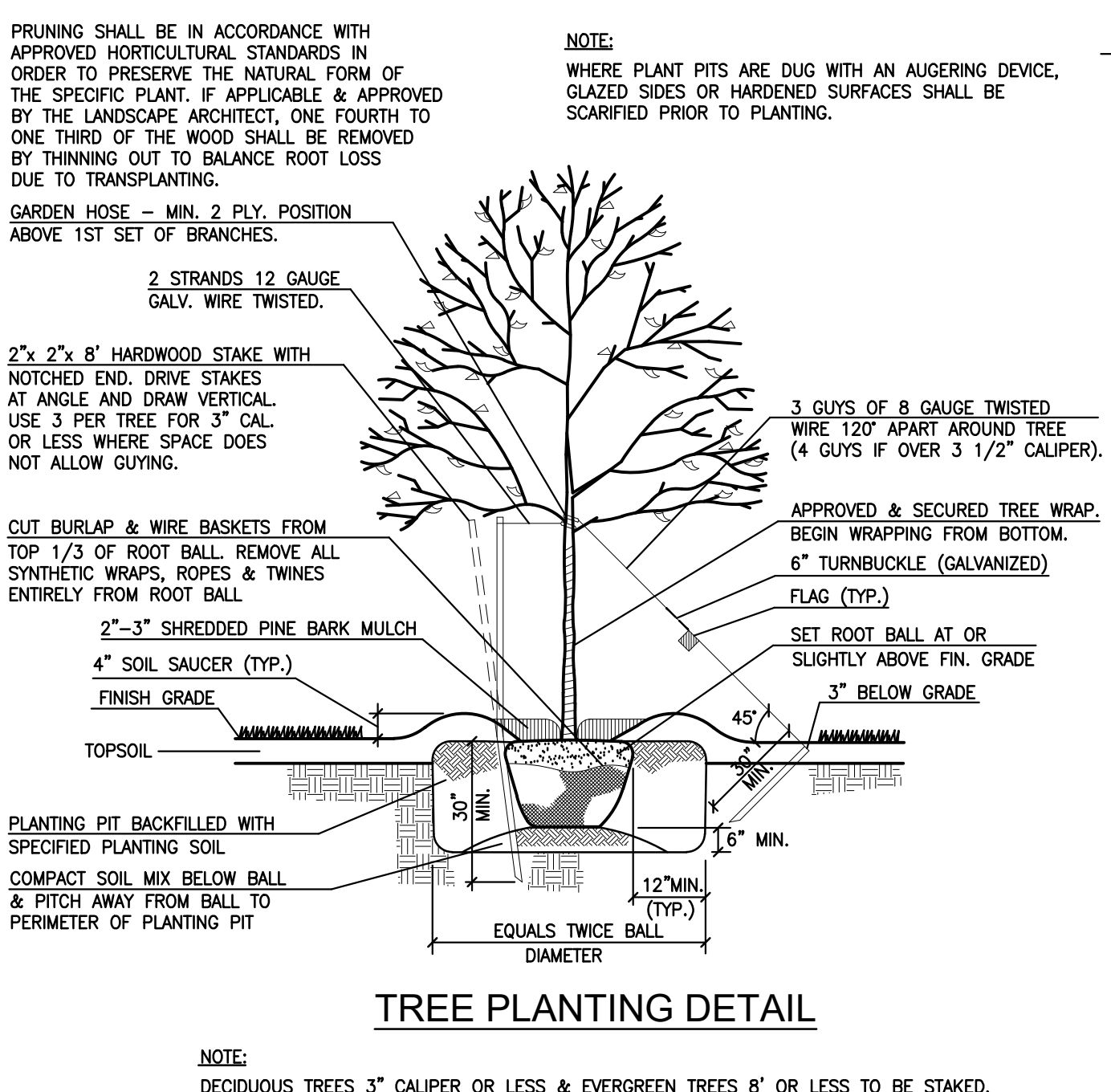
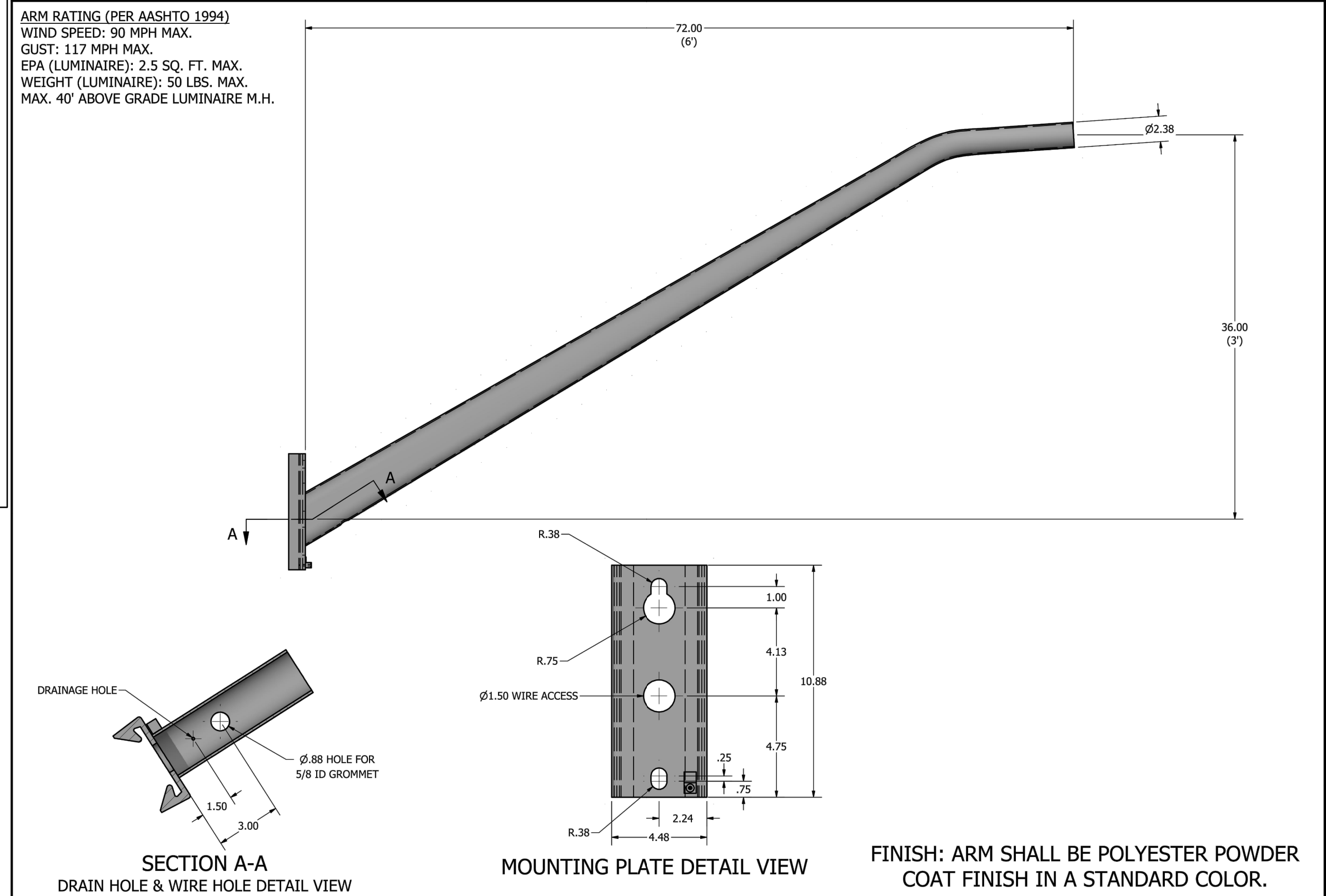
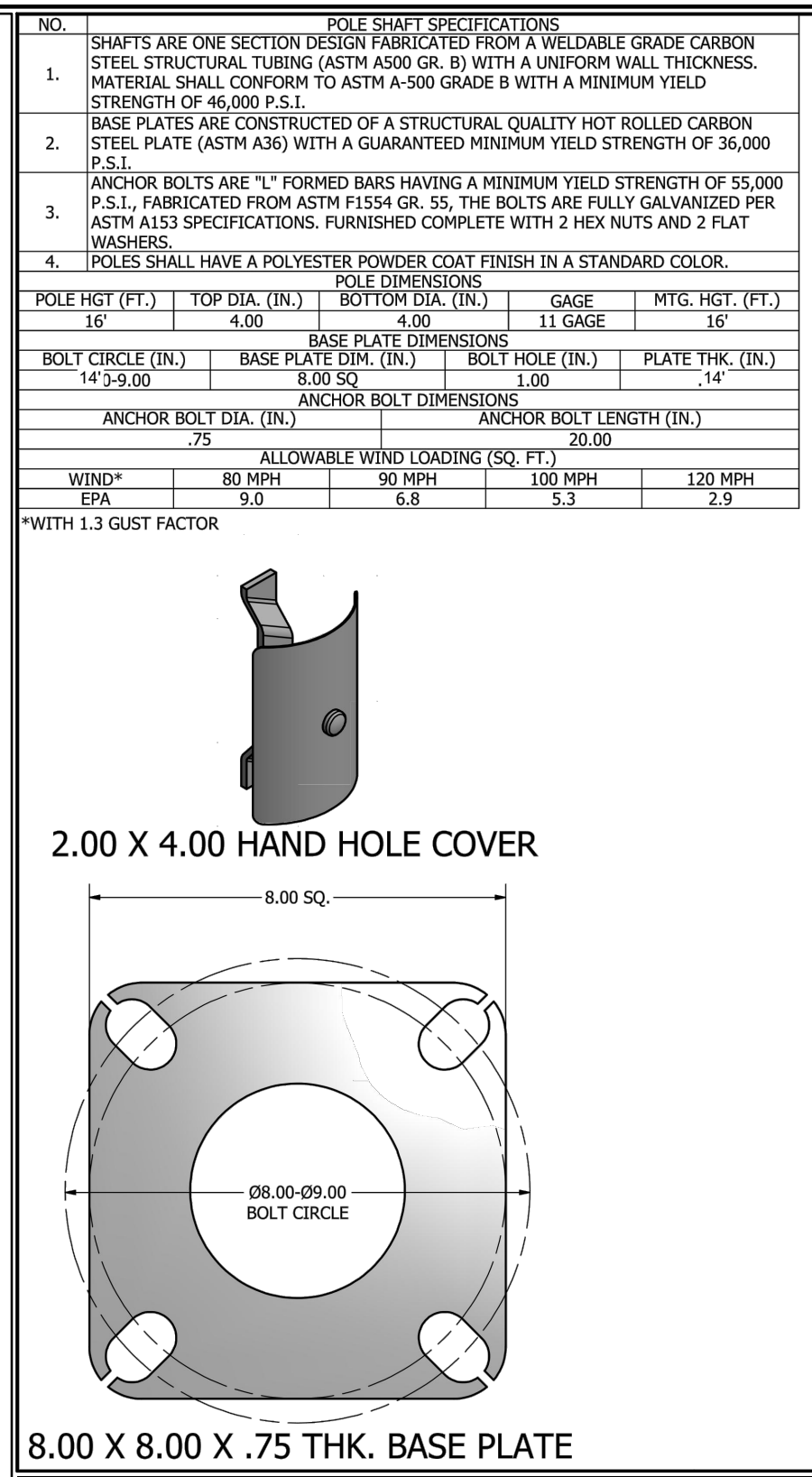
Housing: Made of a low copper die cast Aluminum alloy (A360), 0.100" (2.5mm) minimum thickness. Fits on a 1.66" (42mm) O.D. (1.25" NPS), 1.9" (48mm) O.D. (1.5" NPS) or 2 3/8" (60mm) O.D. (2" NPS) minimum long tenon. Comes with a zinc plated clamp fixed by 2 zinc plated hexagonal bolts 3/8 16 UNC for ease of installation. Provides an easy step adjustment of +/- 5° tilt in 2.5° increments. Includes integral bubble level standard (always included). A quick release, tool less entry, single latch, hinged, removable door opens downward to provide access to electronic components and to a terminal block. Door is secured to prevent accidental dropping or disengagement. A clearance of 13" (330mm) at the rear is required in order to remove the door. Complete with a bird guard protecting against birds and similar intruders and an ANSI label as per C136.15-2015 to identify wattage and source (both included in box).

Light Engine: Composed of 4 main components: **Heat Sink / LED Module / Optical System / Driver**
 Electrical components are RoHS compliant, IP66 sealed light engine.
 LEDs tested by ISO 17025-2005 accredited lab in accordance with IESNA LM-80 guidelines in compliance with EPA ENERGY STAR, extrapolations in accordance with IESNA TM-21. Metal core board ensures greater heat transfer and longer lifespan.

Heat Sink: Built in the housing, designed to ensure high efficacy and superior cooling by natural vertical convection air flow pattern always close to LEDs and driver optimising their efficiency and life. Product does not use any cooling device with moving parts (only passive cooling). Wide openings enable natural cleaning and removal of dirt and debris. Entire luminaire is rated for operation in ambient temperature of -40°C / -40°F up to +40°C / +104°F.

LED Module: Composed of 48 high-performance white LEDs. Color temperature as per ANSI/NEMA bin Neutral White, 4000 Kelvin nominal (3985K +/- 275K or 3710K to 4260K), CRI 70 Min. 75 Typical.

SPEC20190312_100723_10361_0
 03-12-2019 Page 1 / 4



No.	Date	Description
2	9/15/20	STAFF COMMENTS
1	3/05/20	INFILTRATION TRENCH DETAIL ADDED
Revisions		

APPROVED BY THE SALEM PLANNING AND ZONING COMMISSION ON:

DATE _____ CHAIRMAN OR SECRETARY _____

Close, Jensen & Miller, P.C.
 Consulting Engineers, Land Planners & Surveyors
 1137 Silas Deane Highway, Wethersfield, Conn. 06109, Tel. (860)563-9375

CONSTRUCTION DETAILS

PROPERTY OF OK CHA PANFILI
PROPOSED MOTOR TRUCK TERMINAL
 FOR ARBORIO BROTHERS, LLC
 142 EAST HADDAM ROAD
 SALEM, CONNECTICUT

Compiled	E.T.J.
P.C. Check	
Designed	K.R.J.
Drawn	E.T.J.
Checked	C.G.
Date	12/06/19
Sheet	Of
	7 7
Job No.	
File No.	

R:\CM\Salem\142 East Haddam Road\Drawings\1-SITE-PLANS-ALT.dwg