TOWN OF EAST LYME ZONING COMMISSION

November 5th, 2020

PUBLIC HEARING & REGULAR MEETING MINUTES

Join Zoom Meeting

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Meeting ID: 890 6382 4657 Passcode: 903592

One tap mobile +13126266799,,82995050759#,,,,,0#,,586123# US (Chicago)

+16465588656,,82995050759#,,,,,0#,,586123# US (New York) Dial by your location +1 646 558 8656 US (New

York)

Meeting ID: 829 9505 0759 Passcode: 586123

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Members Present:

Norm Peck

Terence Donovan, Secretary (Acting Chairman for the evening)

Bill Dwyer

Anne Thurlow

Kimberly Kalajainen

George McPherson, Alternate (Sat as a Regular Member)

Denise Markovitz, Alternate (Sat as Regular Member for item 1 only)

Also Present:

Bill Mulholland, Zoning Official Jennifer Lindo, Zoom Moderator Mark Zamarka, Town Attorney

Present for Applications:

Harry Heller, Attorney
Jason Pazzaglia, Applicant
Brandon Handfield, Civil Engineer
James Bubaris, Traffic Engineer
Peter Springsteel, Architect

FILED IN EAST LYME

Absent:

Matthew Walker, Chairman Rose Ann Hardy, Ex-Officio James Liska, Alternate

The Regular Meeting of the East Lyme Zoning Commission was held on Thursday, November 5th, 2020, at 7:30 p.m., via Zoom; this teleconference was

recorded in its entirety and in accordance with the requirements of executive order 7B, issued by Governor Lamont, which allows for public meetings to be held over teleconference.

Acting Chairman Donovan called the Zoning Commission meeting to order at 7:33 p.m. and sat Mr. McPherson as a Regular Member for the evening.

Public Delegations-

Time set aside for the public to address the Commission on subject matters not on the Agenda.

There were none.

Public Hearings-

Petition of Pazz & Construction LLC, to rezone 20.24 acres from RU-80/RU-40, its
existing zoning designation, to Affordable Housing District and for approval of a
Preliminary Site Plan which proposes an eighty (80) unit multi-family affordable
residential housing development designated as "Brookside Apartments" for
property identified on the westerly side of North Bride Brook Road in East Lfme,
East Lyme Assessor's Map 09.0, Lot37-2, pursuant to Connecticut General
Statutes 98-309.

Mr. Peck recused himself from this item and the Commission sat Ms. Markovitz in his stead. Mr. Donovan noted for the exhibits for the record which are available on the Town (www.eltownhall.com) website at the following link:

https://eltownhall.com/government/boards-commissions/zoning-commission-2020-materials/zoning-commission-2020-materials-november-5/

Attorney Harry Heller of 736 Route 32 in Uncasville said he is representing Pazz & Construction, the applicant, and he introduced Brandon Hanfield, the Project Engineer from Yantic River Consultants, Peter Springsteel, the Project Architect, and Jim Bubaris, the Traffic Engineer. Mr. Heller shared the following:

- The application is pursuant to 8-30g of the Connecticut General Statutes which is the Affordable Housing Act.
- Any municipality that doesn't have 10% of its housing stock as affordable under the
 perimeters that 8-30g sets forth, is required to receive and administer an affordable
 housing application.
- The Act under 8-30g supersedes the requirements of the underlying zoning regulations.
- 30% of the total number of units in the application must be affordable, the same size with the same characteristics and amenities as the market rate units.
- 15% of the total units in the project must be available to tenants at or below 60% of the lower of the municipality or State of Connecticut median income.
- Another 15% must be available to potential tenants who are between the 60% to 80% of the lower of the municipality or State of Connecticut median income.

- Their application has 3 distinct unit types- 3 bedroom, expanded 2 bedroom and standard 2 bedroom.
- These will not be for sale on the open market at this time; all our apartment rentals.
- Their design for the project has (6) 3 bedroom units, (20) expanded 2 bedroom units, and (40) standard two bedroom units.
- It's an 80 unit project and 24 units will be affordable.
- The Commission is required to approve the affordable housing application unless it fails a 4 prong test-
 - 1. There must be sufficient evidence in the record to justify denial.
 - The decision denying the application must be necessary to protect a substantial public interest in health, safety or other matters related to zoning the Commission may legally consider.
 - 3. The public interest (justifying a denial) must clearly outweigh the strong preference in the State of Connecticut to promote affordable housing.
 - 4. The public interest can't be protected by reasonable changes to the affordability
- Their proposal is a site plan application.
- No separate application for a zone change or text amendment has been submitted.

Mr. Heller detailed how these procedural steps are not required for an affordable housing application as the zoning commission's permitted scope of review is to determine that the project does not create any public health, safety and welfare issues- and if so created, to determine that those identified issues does not clearly outweigh the strong public policy of providing affordable housing. He explained how East Lyme's practice of incorporating a zone change with an affordable housing application has been held by the Connecticut Appellate Court to be inapplicable and cited *Wisniowski v Planning Commission of the Town of Berlin (37 Conn App 303.)*

Mr. Heller gave a brief overview of the overall site plan with the Commission and further explained that their application is a scaled down version of the previous 108 unit application which is under appeal. He noted they're 50 feet outside of the upland review area and it's their strong opinion that this application doesn't involve any activities that are regulated under their municipal inland wetland watercourse regulations and therefore no wetland application has been filed.

Mr. Heller added that this application has been revised since submitted in July in order to address comments made by the Fire Marshal, the Town Engineer and other consulting agencies; as a result of comments they've added emergency access on the south side of the property resulting in two ways of entering and exiting the complex.

Mr. Heller further shared the following:

• The buildings range from 6 to 10 units in order to accommodate the 3 different styles available.

- No units are located outside the sewer service area and the complex will be served by municipal water and sewer.
- They have received an allocation of capacity for sewer service from the Water & Sewer Commission, for the originally requested 108 unit application.
- They have 2 proposed rain gardens in the northerly portion of the site to capture runoff and infiltrate it back into the ground.

Brandon Hanfield, P.E. and owner of Yantic River Consultants reviewed the design perimeters of the proposed drainage system. He explained how their goal was to use the easterly drainage area only and he added the following:

- In general this site drains from northwest to southeast.
- The buildings are built into the grade which minimizes disturbance as well as cuts and fills on the site, and drainage follows suite.
- 3.3 acres of impervious surfaces which include roadways are collected by an internal catch basin and pipe network.
- The volume the infiltration system and detention basin combined equal the volume of runoff you would see from all the impervious surfaces that you would see from a 50 year storm event.
- They did 2 rounds of soil testing to determine the best system.

Mr. McPherson said there is a very large sewer pipe that comes out of the ground and asked if that is near their property, and Mr. Pazzaglia of 21 Darrows Ridge Road responded that the pipe is north of their property and not located on it.

Peter Springsteel Licensed Architect from Mystic reviewed the design of the complex (attached) for the Commission and noted some of the following:

- The buildings are 3-stories tall and designed like townhouses, so there is a vertical break between each one.
- Some of the buildings are built into the grade so you will have a retaining wall instead of windows and doors out the basement at the back of the building.
- The decks for these buildings will be at grade and then slope down on each side to the garage level.
- The appearance will be new england with gable roofs, clapboard siding and shutters.
- The buildings will have double hung windows with simulated divided lights and architectural shingles will be utilized for the roofs.
- Each unit will have a two car garage below the unit.

Mr. Springsteel showed the Commission renderings of the floorplans available as well as the façade and front, side and rear elevation.

Mr. McPherson asked how many handicapped accessible units will be available and Mr. Heller said 3 of the type A units and 6 of the type B will be handicapped accessible.

Ms. Thurlow asked if there is any landscaping between the project and the house to the north on Bridebrook road. Mr. Handfield showed the plan which details 20 arborvitae trees used to screen the project which will be 10 feet apart; the same will go for the southerly boundary as well.

Mr. Mulholland said staff is still reviewing this application and he asks that the Public Hearing remain open once they finish this evening so additional information can be submitted into the record. He noted that he will also want to discuss the landscape and lighting plan in more detail. Mr. Heller asked Mr. Handfield to give a brief review of the illumination plan which he detailed (attached.)

Mr. Mulholland asked if they took into consideration the front door lights, wall packs that will be used on the buildings, the number of spotlights and so forth.

Mr. Handfield said they don't anticipate the need for any wall packs nor do they have areas that warrant that; wall mounted lights will be as the base of each unit and wall scones typical to a residential door. He said it will be a downlight that only casts a significant amount of light for their entrance and driveway area or deck and is a very isolated area of light.

Mr. Springsteel said typically at building entrances he has overhang and will do recessed lighting directed down for minimal impact and said he can supply a cutsheet for that as well.

James Bubaris, Traffic Engineer detailed the supplemental traffic study done for this project (attached) and noted some of the following:

- There are 700 to 1,300 vehicles traveling on a weekday and 1,000 on a weekend day which is a relatively low volume.
- The road is posted at 25 mph and they measured that the average speed is between 32 mph and 36 mph which are pretty reasonable for the quality of the road.
- The road is sufficiently wide for the amount of traffic it carries.
- They reviewed the crash depository history and there were only 8 accidents in a 5 year time period but none of them were in range of their site.
- They estimate 37 to 45 trips for each hour generated by this site.
- They would be adding 18 to 23 vehicles each hour in each direction which is very minimal.
- They have 400 feet of siteline to the south and 500 feet to the north.
- There should not be adverse impacts from this project, from a traffic perspective.
- It will be a low traffic generator- 37 to 45 trips during the peak hours.

Ms. Thurlow said right now during rush hour it can take up to 15 minutes to turn from Bridebrook onto Main Street and asked if there is any talk of adding a left turn lane or traffic light. Mr. Bubaris explained that it is a State road and under their jurisdiction and that this development would not be adding much to that.

Mr. Mulholland asked if there is any requirement to speak with the DOT about added traffic given this development and Mr. Bubaris said there is not; if this development were 100 residential units or more than it would require review. Mr. Donovan asked if the other units under litigation are approved if they would need State review and Mr. Bubaris said yes but they have to have Town review first.

Mr. Dwyer said he uses that road numerous types during the day and it's practically empty.

Mr. Heller briefly discussed the affordability plan as it relates to their specific application and their calculations for rental prices. He noted this is better described as workforce housing.

Mr. Heller agreed to continue the Public Hearing until November 19th, 2020 for staff input.

Mr. Donovan thanked Ms. Markovitz and welcomed back Mr. Peck.

Regular Meeting-

 Application of Landmark Development Group, LLC and Jarvis of Cheshire, LLC c/o Timothy Hollister, Shipman & Goodwin, LLP for a text amendment revision of Section 32 to replace Preliminary Site Plan/Final Site Plan with "Master Plan" procedure as used in Gateway Development.

This item has been continued until November 19th, 2020.

2. Approval of Minutes of October 15th, 2020

Mr. Donovan said he has one correction for page 9; it says the Landmark meeting will continue on November 5th, 2020 when it should say November 19th, 2020.

MOTION (1)

Mr. McPherson moved to approve the meeting minutes of October 15th, 2020 as amended.

Ms. Kalajainen seconded the motion.

Motion carried, 6-0-0.

Old Business-

There was none...

New Business-

1. Any business on the floor, if any by the majority vote of the Commission.

Mr. Peck discussed enforcement in regards to the cutting of trees between Stop & Shop Supermarket and the highway. He reminded the Commission how this has been a continual problem and the written response they received that this would never happen again yet it looks like they just trimmed them again. He recommended enforcing this to the maximum the law will allow and Mr. Mulholland stated he sent him a cease and desist order and requested the cut

trees be replaced at full size. Mr. Mulholland detailed the process and how the owner has 10 days to comply. He said he will also address this with Town Council as well.

Ms. Thurlow asked about limiting political signs to one month before the election and Mr. Donovan said he personally doesn't have an issue with them and noted this year was not characteristic of usual practices.

2 Zoning Official

Mr. Mulholland said they are extremely busy and everyone is making home improvements given they're home because of the pandemic. He noted there is interest for a couple of businesses including restaurants downtown.

3 Comments from Ex-Officio

Ms. Hardy was not in attendance.

4 Comments from Zoning board liaison to the Planning Commission

Ms. Thurlow is scheduled for November 10th, 2020 and Mr. Walker is scheduled for December 1st, 2020.

5 Comments from Chairman

Mr. Donovan thanked everyone and wished Mr. Walker a speedy recovery.

Adjournment

MOTION (2)

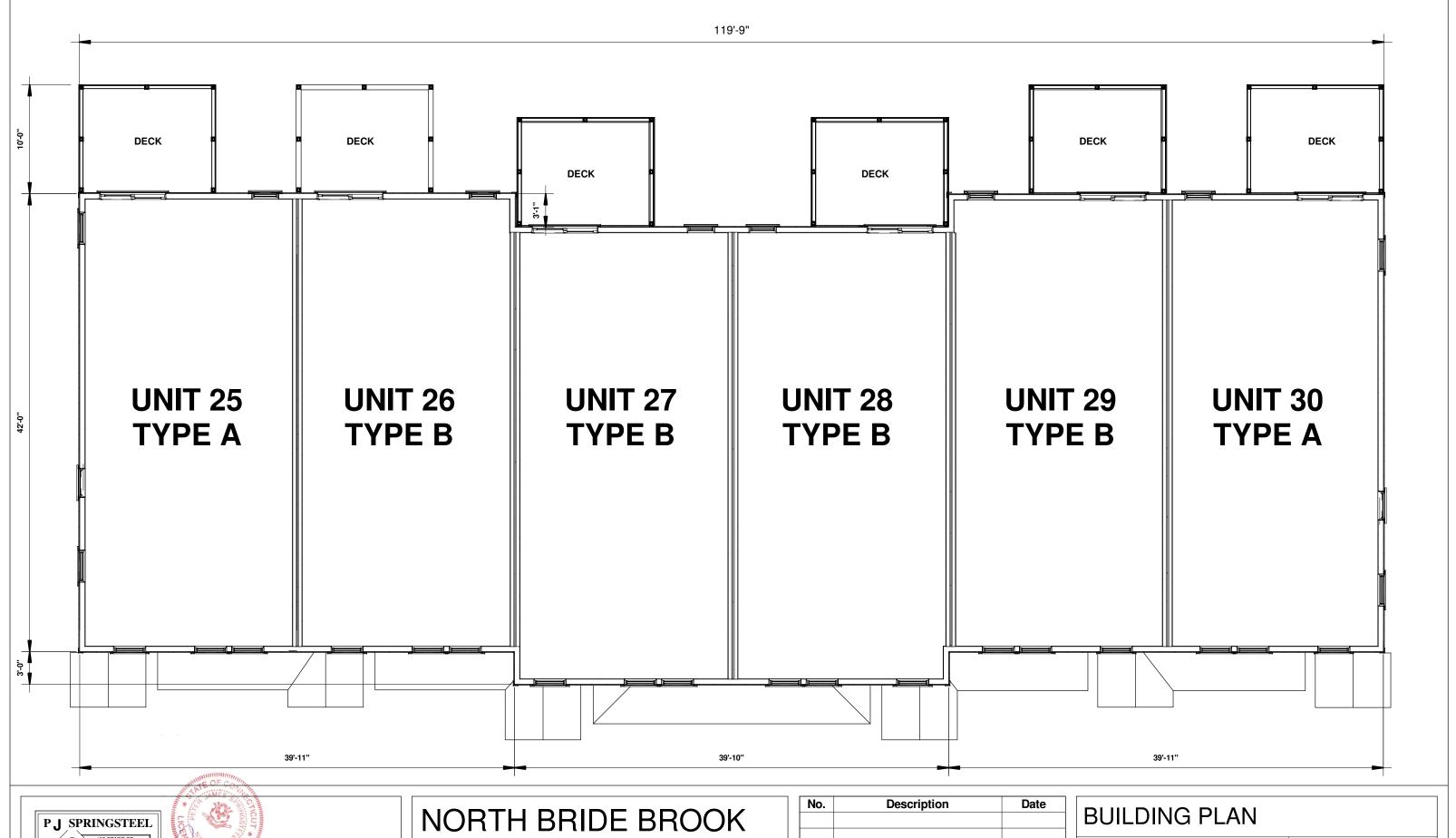
Mr. Dwyer moved to adjourn the Zoning Commission Meeting at 9:15 p.m.

Ms. Thurlow seconded the motion.

Motion passed 6-0-0.

Respectfully Submitted,

Brooke Stevens
Recording Secretary



PJ SPRINGSTEEL

105 STARR ST.
MYSTIC, CT 06355

860 572 7306

ARCHITECT

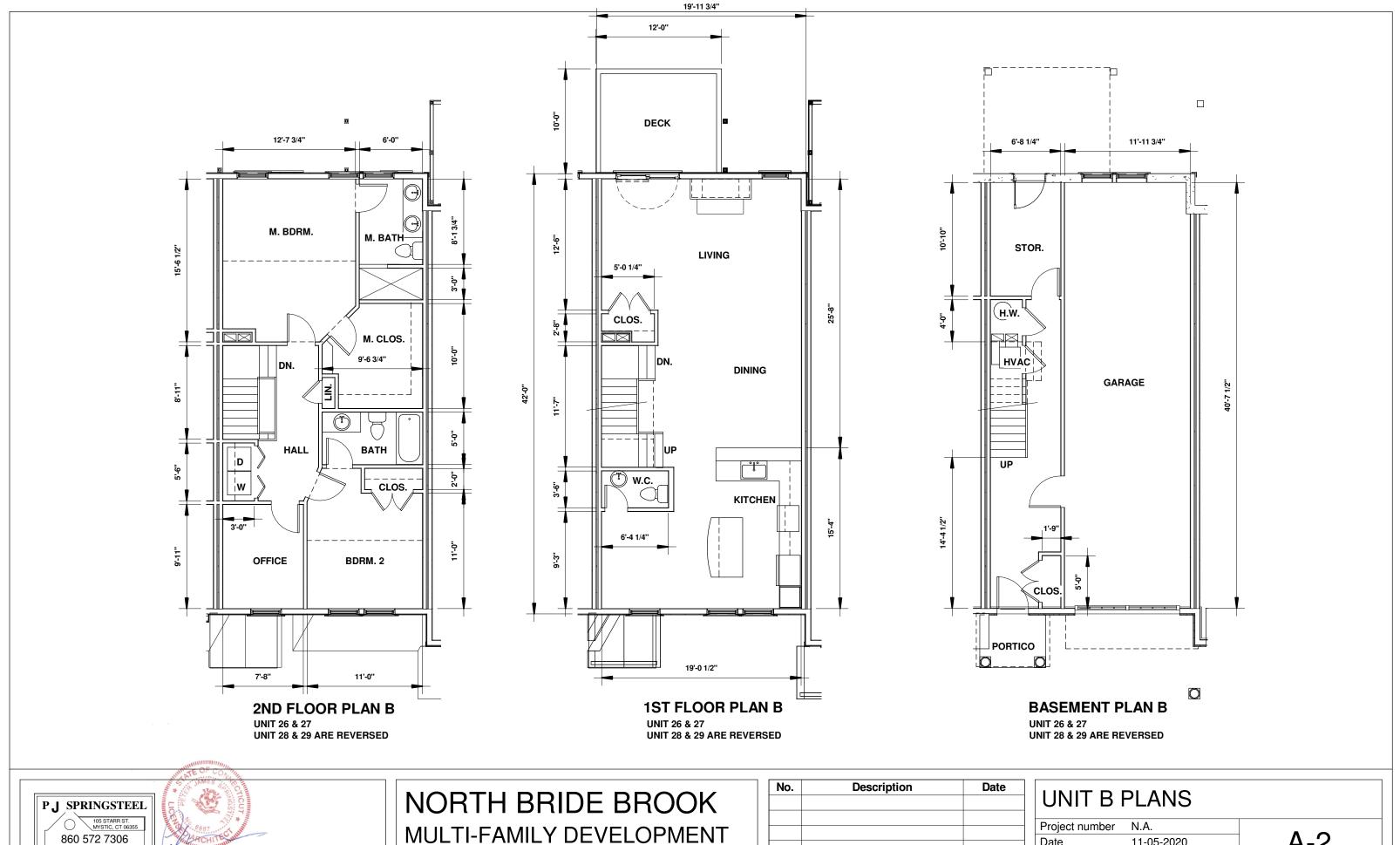
BUILDING 6

NORTH BRIDE BROOK
MULTI-FAMILY DEVELOPMENT

N. BRIDE BROOK RD - EAST LYME, CONNECTICUT
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NO.	Description	Date

BUILDING PLAN		
Project number	N.A.	
Date	11-05-2020	□ A-1
Drawn by	P.S.	, , ,
Checked by	P.S.	Scale 1/8" = 1'-0"



860 572 7306 **BUILDING 6** ARCHITECT

MULTI-FAMILY DEVELOPMENT

N. BRIDE BROOK RD - EAST LYME, CONNECTICUT

	No.	Description	Date	
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UNIT B PLANS		
Project number	N.A.	
Date	11-05-2020	□ A-2
Drawn by	P.S.	,
Checked by	P.S.	Scale 1/8" = 1'-0"





NORTH BRIDE BROOK
MULTI-FAMILY DEVELOPMENT

N. BRIDE BROOK RD - EAST LYME, CONNECTICUT

No.	Description	Date

FRONT ELEVATION		
Project number	N.A.	
Date	11-05-2020	A-3
Drawn by	P.S.	
Checked by	P.S.	Scale 1/8" = 1'-0"





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E BROOK RD - EAST LYME, CONNECTICUT	
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No.

Description

Date	
	LEFT & RIGHT SIDE ELEVS
	Due in at according N.A.
	Project number N.A.

Project number	N.A.	A 4
Date	11-05-2020	A-4
Drawn by	P.S.	, , ,
Checked by	P.S.	Scale 1/8" = 1'-0"





NORTH BRIDE BROOK
MULTI-FAMILY DEVELOPMENT

N. BRIDE BROOK RD - EAST LYME, CONNECTICUT

No.	Description	Date

REAR ELEVATION		
Project number	N.A.	_
Date	11-05-2020	A-5
Drawn by	P.S.	
Checked by	P.S.	Scale 1/8" = 1'-0"



E - Mail: peter.springsteel@snet.net P J SPRINGSTEEL 105 STARR ST. MYSTIC, CT 08355 572 7306 ARCHITECT

THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING ALL DIMENSIONS IN THE FIELD, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ARCHITECT WITH ANY DISCREPANCIES FROM THE DRAWINGS. DO NOT SCALE THE DRAWINGS.
THE ARCHITECT SHALL NOT BE
RESPONSIBLE FOR CONSTRUCTION
MEANS, METHODS OR SAFETY
PRECAUTIONS.

MULTI-FAMILY DEVELOPMENT NORTH BRIDE BROOK

A-101

ARCHITECT
PETER J. SPRINGSTEEL
ARCHITECT LLC

105 STARR STREET MYSTIC, CT 06355 T:(860)572-7306

DATE: 5 NOVEMBER 2020



E - Mail: peter.springsteel@snet.net

P J SPRINGSTEEL 105 STARR ST. MYSTIC, CT 06355 572 7306 ARCHITECT

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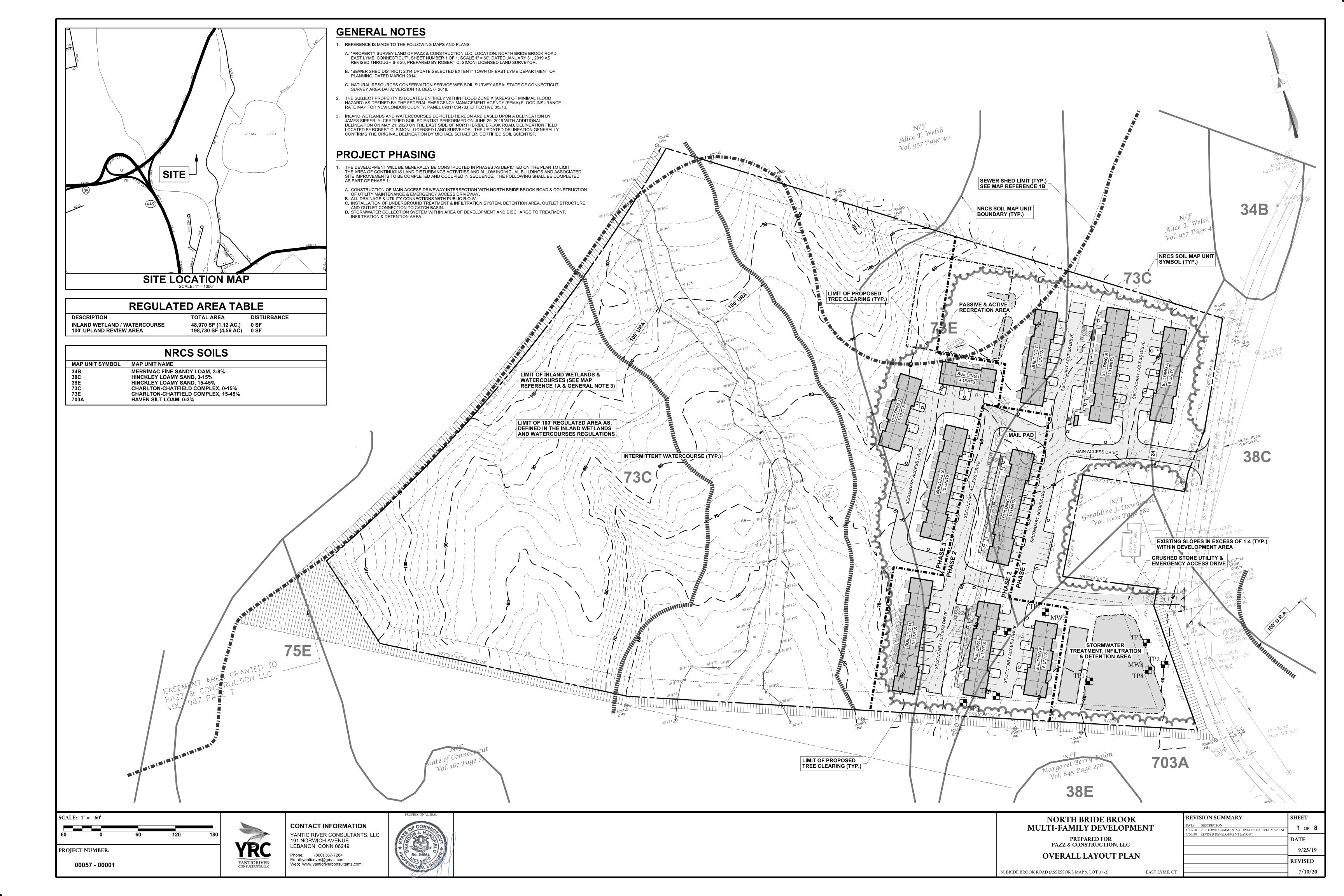
MULTI-FAMILY DEVELOPMENT NORTH BRIDE BROOK

A-102

ARCHITECT
PETER J. SPRINGSTEEL
ARCHITECT LLC

105 STARR STREET MYSTIC, CT 06355 T:(860)572-7306

DATE: 5 NOVEMBER 2020



GENERAL SITE NOTES PLANTING SCHEDULE S73°00'34"E ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF LABEL QUAN. COMMON NAME BOTANICAL NAME SIZE ROOT TRANSPORTATION STANDARDSPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL RAIN GARDENS TO BE PLANTED WITH DECIDIOUS TR⊞S NEWP 'EROSION CONTROL/RESTORATION -CER CAN 8 HEARTS OF GOLD REDBUD CERCIS CANADENSIS 'HEARTS OF GOLD' MIX FOR MOIST SITES' (TYP.) ALL DIMENSIONS ARE TO THE EDGE OF PAVEMENT, FACE OF CURBS, OUTSIDE FACE OF THE BUILDING OR COR KOU 6 KOUSA DOGWOOD CORNUS KOUSA ACE RUB 3 RED SUNSET MAPLE ACER RUBRUM RED SUNSET 2"-3" CA L. B&B THE PROPOSED PARKING FACILITIES ARE GENERALLY PERPENDICULAR TO OR PARALLEL WITH THE ACE SAC 3 FALL FIESTA SUGAR MAPLE ACER SACCHARUM 'FALL FIESTA' 2"-3" CA L. B&B PROPOSED BUILDING(S), DRIVEWAYS, OR AS DEPICTED ON THE PLAN. Betula Nigra PYR CAL 3 CLEVELAND SELECT CALLERY PEAR PYRUS CALLERYANA 'CHANTICLEER' 2"-3" CA L. B&B THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD DIMENSIONS AND SHALL REPORT ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL FIELD CONDITIONS TO THE OWNER. **EVERGREEN TREES & SHRUBS** 44 GREEN GIANT A RBORVITAE THUJA X GREEN GIANT CONTRACTOR SHALL PROVIDE SMOOTH TRANSITIONS FROM PROPOSED FEATURES TO EXISTING FEATURES PIN STR 4 WHITE PINE PINUS STROBUS ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AFTER FINISH GRADING IS COMPLETED UNLESS OTHERWISE NOTED, ALL NEW SEEDED OR SODDED AREAS SHALL HAVE A TOPSOIL LAYER OF 4" MINIMUM OR **ACTIVE & PASSIVE** AS DIRECTED BY THE PROJECT LANDSCAPE ARCHITECT. TOP OF TOPSOIL LAYER SHALL BE PLACED 1" BELOW SELECTIVE CLEARING WITHIN FRONT TOPS OF CURBS, WALKS, OR PAVEMENT ELEVATIONS WHERE TOPSOIL ABUTS THOSE AREAS. RECREATION YARD TO PRESERVE EXISTING AREA = 0.5 ACRES CONTRACTOR SHALL SUPPLY AND PLACE STRAW MULCH WHEREVER GRASS SEED HAS BEEN PLACED. SEED **SPECIMEN TREES** SHALL BE APPLIED AT THE MINIMUM RATE RECOMMENDED BY THE MANUFACTURER OR THE PROJECT LANDSCAPE CONTRACTOR SHALL SEAL THE EDGE OF EXISTING ASPHALT PAVEMENT WITH TACK COAT IN ACCORDANCE WITH SELECTIVE CLEARING WITHIN FORM 817 OR THE TOWN OF EAST LYME STANDARDS WHERE NEW ASPHALT JOINS EXISTING ASPHALT. WESTERLY RECREATION AREA TO PRESERVE EXISTING CONTRACTOR SHALL REPAIR, RESURFACE, RECONSTRUCT OR REFURBISH ANY AREAS DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR, HIS SUBCONTRACTORS OR SUPPLIERS AT NO ADDITIONAL COST TO SPECIMEN TREES 10. CONTRACTOR SHALL COMPLETELY FILL ALL TRENCHES WITHIN 5 FEET OF PAVEMENT EDGES WITH GRANULAR BACKFILL. REFER TO GEOTECHNICAL REPORT FOR TYPE OF FILL TO ACHIEVE DESIRED COMPACTION. LIMIT OF PROPOSED 11. ALL PAINT STRIPING SHALL BE 4" TRAFFIC PAINT IN ACCORDANCE WITH FORM 817 AND SHALL BE WHITE OR TREE CLEARING (TYP.) 12. CONTRACTOR TO CONFIRM WITH LOCAL CODES AND BUILDING INSPECTOR FOR SPECIFIC HANDICAPPED ACCESSIBLE PARKING SPACE DIMENSIONS, STRIPING AND SIGNAGE REQUIREMENTS. **UTILITY STATEMENT** UNDERGROUND UTILITY. STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED. IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTED UTILITY COMPANIES OR GOVERNMENT AGENCIES, PAROLE SAWCUT EXISTING ROAD PAVEMENT TESTIMONY, FIELD SURVEY AND OTHER SOURCES. THE SURVEYOR AND THIS PLAN SET MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THESE TO PROVIDE STRAIGHT EDGE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CONTRACTOR TO NOTIFY "CALL BEFORE YOU DIG" AT 1-800-922 -4455, IN ACCORDANCE WITH CBYD NOTIFICATION PROCEDURES PRIOR TO COMMENCING WORK. LANDSCAPE PLANTING NOTES PROPOSED LANDSCAPING WILL GENERALLY CONFORM TO THE PLAN AND CONSIST OF THE FOLLOWING. THE DESIGN IS AN APPROXIMATE DEPICTION BASED ON SPECIES AND CULTIVARS AVAILABLE AT TIME OF INSTALLATION. ADDITIONAL PLANTINGS, PERENNIAL GRASSES, AND SHRUBS WILL BE LOCATED TO SCREEN UTILITY STRUCTURES AND FOUNDATIONS AS NECESSARY. A. MIXTURE OF SHADE AND FLOWERING TREES ALONG THE MAIN & SECONDARY ACCESS DRIVEWAYS B. CEDAR PLANTING BEDS ADJACENT TO PARKING AREAS . CEDAR PLANTING BEDS AROUND FOUNDATION PERIMETER D. SCREENING TREES AROUND PERIMETER OF DEVELOPMENT AS SHOWN PLANT GROUPINGS WILL BE ADDED TO REDUCE VEHICLE LIGHTS THAT SHINE IN THE DIRECTION OF RESIDENTIAL UNITS. ALL PLANT MATERIALS TO BE APPROVED BY THE OWNER BEFORE THEY ARE INSTALLED. ANY SUBSTITUTIONS MUST BE APPROVED PRIOR TO PLANTING. ALL PLANT MATERIAL SHALL CARRY A WARRANTY FOR A PERIOD OF NOT LESS THAN 1-YEAR AFTER ACCEPTANCE OF THE PROJECT BY THE OWNER. WARRANTY SHALL BE A ONE-TIME REPLACEMENT INCLUDING MATERIAL AND LABOR. CRUSHED STONE UTILITY ALL PLANTING AND LAWN AREAS TO HAVE 4" MINIMUM TOPSOIL. SUPPLY AND SPREAD TOPSOIL, AS NEEDED, TO MAKE & EMERGENCY ACCESS DRIVE A 4" DEPTH. TOPSOIL SHALL CONFORM TO STATE OF CONNECTICUT D.O.T. FORM 817, SECTION M13.01 ALL TREES, SHRUBS AND GROUNDCOVER PLANTS SHALL BE FERTILIZED WITH LOW-NITROGEN ORGANIC FERTILIZER. ADD PEAT MOSS TO PLANTING SOIL, SO THAT 1/4 OF PLANTING SOIL IS PEAT MOSS. LIMIT OF PROPOSED TREE CLEARING (TYP.) . ALL PLANTINGS TO BE MULCHED WITH 3" DEPTH OF CEDAR MULCH. SUBMIT SAMPLES FOR APPROVAL BY OWNER PROTECT EXISTING TREES DURING CONSTRUCTION BY ERECTING A BARRIER AT THE TREE'S DRIPLINE. DO NOT FILL OR EXCAVATE BENEATH THE DRIPLINE OF EXISTING TREES, UNLESS SHOWN ON THE GRADING PLAN. SEED ALL DISTURBED AREAS OF SITE. WATER DAILY DURING FIRST SEASON OF ESTABLISHMENT FROM APRIL 1 9. ALL PLANTINGS IN THE VICINITY OF DRIVEWAYS AND PARKING AREAS ARE SALT-TOLERANT. **CEDAR MULCH BED PLANTING NOTES** FOR CLARITY, BUILDING AND FOUNDATION CEDAR MULCH BEDS & PLANTINGS ARE NOT DEPICTED. THESE AREAS SHALL BE LANDSCAPED WITH ANNUAL & PERENNIAL FLOWERS, BULBS/TUBERS, AND GRASSES SUCH AS THE FOLLOWING ANNUALS: MARIGOLDS, GERANIUMS, IMPATIENS, ZINNIAS, PETUNIAS, SUNFLOWERS, BEGONIAS, CLEOME, COSMOS & GAZANIA. PERENNIALS: ASTER, DAYLILY, HOSTAS, ROSES, PURPLE BEAUTYBERRY, SEDUM, BUTTERFLY BUSH, WILD GERANIUM, PHLOX, YELLOW & RED BARBERRY, ASTILBES, GOAT'S BLEND, ANDROMEDA, SOLOMON SEAL, SAGE IRIS, BEE-BALM, ORIENTAL POPPY & TICKSEED. BULBS/TUBERS: DAFFODILS & TULIPS GRASSES: DWARF FOUNTAIN GRASS, MISCANTHUS VAR. **LIGHTING NOTES** THIS PLAN DEPICTS THE GENERAL LOCATION AND TYPE OF POLE-MOUNTED AREA LIGHTS FOR THE DEVELOPMENT. A LIGHTING PLAN PREPARED BY A LIGHT DESIGN PROFESSIONAL WITH PHOTOMETRIC INFORMATION SHALL BE SUBMITTED TO THE TOWN FOR REVIEW AND APPROVAL PRIOR TO FILING. ALL SITE LIGHTING SHALL BE FULL SHIELDED TYPE TO PREVENT UPWARD DISTRIBUTION OF LIGHT AND GLARE ON ADJACENT PROPERTIES. 2. POLE MOUNTED FIXTURES TO BE VISIONAIRE SRL-1 SANTA ROSA HID WITH VISIONAIRE DECORATIVE BASE DCB AND 4 PIN STR @ 50' O.C. LIMIT OF 100' REGULATED AREA AS LIMIT OF INLAND WETLANDS DEFINED IN THE INLAND WETLANDS & WATERCOURSES AND WATERCOURSES REGULATIONS **LEGEND (A)** BITUMINOUS CONCRETE DRIVE **EDGE OF PAVEMENT W/ CURB** SAWCUT PAVEMENT **(B)** PARKING PAINT STRIPING (4" WHITE) BOTTOM OF STORMWATER SECONDARY TREATMENT & DETENTION AREA TO BE PLANTED WITH NEW **CONCRETE WALK** (C) DOUBLE CENTERLINE (4" YELLOW) ENGLAND WETLAND PLANTS 'EROSION CONTROL/ DRAINAGE PIPE INTERMITTENT WATERCOURSE (TYP.) RESTORATION MIX FOR MOIST SITES' (TYP.) **(D)** STOP BAR (12" WHITE) **ROOF LEADER** AREA = 0.35 ACRES (APPROX.) **CURTAIN/SLOPE/WALL DRAIN** ⟨E⟩ CROSS-WALK (12" WHITE) **(F)** CONCRETE CURB & WALK MONOLITHIC G CONCRETE SIDEWALK STORMWATER SECONDARY TREATMENT **GAS SERVICE** & DETENTION AREA **(H)** HANDICAP RAMP (12'H:1'V MAX.) **ELECTRIC** TELECOMMUNICATIONS (I) EXTRUDED CONCRETE CURB (ECLC) SILT FENCE (J) BITUMINOUS CONCRETE LIP CURB (BCLC) PRIMARY TREATMENT & INFILTRATION AREA HAYBALE K MAIL PAD POLE MOUNTED LIGHT FIXTURE $\langle L \rangle$ STOP SIGN **BOLLARD LIGHT FIXTURE** M DECK HANDICAP PARKING MARKING REVISION SUMMARY SHEET **SCALE:** 1'' = 40'NORTH BRIDE BROOK **CONTACT INFORMATION MULTI-FAMILY DEVELOPMENT** 5/20 PER TOWN COMMENTS & UPDATED SURVEY MAP 2 OF 8 0/20 REVISED DEVELOPMENT LAYOUT YANTIC RIVER CONSULTANTS, LLC PREPARED FOR **DATE** 191 NORWICH AVENUE PAZZ & CONSTRUCTION, LLC LEBANON, CONN 06249 9/25/19 **PROJECT NUMBER:** Phone: (860) 367-7264 **DETAILED LAYOUT PLAN** Email: yanticriver@gmail.com **REVISED** YANTIC RIVER Web: www.yanticriverconsultants.com 00057 - 00001 N. BRIDE BROOK ROAD (ASSESSOR'S MAP 9, LOT 37-2) EAST LYME, CT

UTILITY STATEMENT

UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTED UTILITY COMPANIES OR GOVERNMENT AGENCIES, PAROLE TESTIMONY, FIELD SURVEY AND OTHER SOURCES. THE SURVEYOR AND THIS PLAN SET MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIFE DDETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION, CONTRACTOR TO NOTIFY "CALL BEFORE YOU DIG" AT 1-800-922-4455, IN ACCORDANCE WITH CBYD NOTIFICATION PROCEDURES PRIOR TO COMMENCING WORK.

DRAINAGE NOTES

BE SUBMITTED TO THE TOWN FOR APPROVAL. A. ALL CATCH BASINS SHALL HAVE 2' DEEP SUMPS.

ENGINEER PRIOR TO BACKFILL OR CONCEALMENT:

G. PLACEMENT OF STONE BACKFILL

B. PLACEMENT OF GEOTEXTILE WRAP AND BASE STONE

F. PLACEMENT OF GEOTEXTILE WRAP FOR ISOLATOR ROW

A. EXCAVATION LIMITS AND SURROUNDING UNDISTURBED SOILS

PLACEMENT OF GEOTEXTILE BASE LATER FOR ISOLATOR ROW

D. PLACEMENT OF MC-3500 UNITS AND MANIFOLDS
E. INSTALLATION OF OUTLET STRUCTURES AND PIPE CONNECTIONS

H. CLOSURE OF GEOTEXTILE WRAP AND PLACEMENT OF BACKFILL

A. EXCAVATION LIMITS AND SURROUNDING UNDISTURBED SOILS

B. INSTALLATION OUTLET STRUCTURE AND PIPE CONNECTIONS

GENERAL GRADING NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CTDOT STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION FORM 817 AS APPLICABLE. WORK WITHIN THE ROAD RIGHT-OF-WAYS SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF EAST LYME STANDARDS.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO THE START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES BETWEEN THE PLANS & FIELD CONDITIONS TO THE OWNER OR OWNER'S REPRESENTATIVE IMMEDIATELY.
- THE EXCAVATING CONTRACTOR SHALL TAKE PARTICULAR CARE WHEN EXCAVATING IN AND AROUND EXISTING UTILITY LINES AND EQUIPMENT. VERIFY COVER REQUIREMENTS BY UTILITY COMPANIES SO AS NOT TO CAUSE DAMAGE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 72 HOURS BEFORE CONSTRUCTION IS TO START, OR AS REQUIRED BY GOVERNING UTILITY COMPANY, TO VERIFY IF ANY UTILITIES ARE PRESENT ON SITE. ALL VERIFICATIONS SHALL BE MADE BY THE APPROPRIATE UTILITY COMPANIES. WHEN EXCAVATING IN, AROUND OR OVER UTILITIES, THE CONTRACTOR MUST NOTIFY THE UTILITY COMPANY SO A REPRESENTATIVE IS PRESENT TO INSTRUCT AND OBSERVE.
- TRENCHES FOR ALL STORM DRAIN LINES SHALL BE BACKFILLED COMPLETELY WITH ENGINEERED GRANULAR MATERIAL IF WITHIN 5 FEET OF PAVEMENT
- AFTER STRIPPING TOPSOIL MATERIAL, PROOFROLL WITH A MEDIUM WEIGHT ROLLER TO DETERMINE LOCATIONS OF UNSUITABLE MATERIAL. THE NECESSITY FOR DRAINS AND/OR REMOVAL OF ANY UNSUITABLE MATERIAL WITHIN THE PROPOSED BUILDING OR PARKING AREAS WILL BE DETERMINED AT THE TIME OF CONSTRUCTION.
- PROVIDE POSITIVE DRAINAGE WITHOUT PONDING. CONTRACTOR TO TEST FOR, AND CORRECT IF ANY, "BIRD BATH" CONDITIONS.
- ALL PROPOSED SPOT ELEVATIONS ARE THE FINAL PAVEMENT AND FINAL GRADE. SEE APPROPRIATE DETAILS TO DETERMINE SUBGRADE ELEVATIONS BELOW FINISH GRADE INDICATED ON THE PLANS.
- 0. EXTRACTION, GRADING, FILLING AND/OR PROCESSING SHALL NOT INVOLVE THE REMOVAL OR DEPOSITION OF MORE MATERIAL(S) THAN NECESSARY TO ACHIEVE THE PROPOSED DEVELOPMENT WHILE MAINTAINING STABILITY WITH NO ADVERSE IMPACT ON ABUTTING PROPERTIES, THE PUBLIC RIGHT OF WAY,

STORMWATER O & M NOTES

THE FOLLOWING OPERATION & MAINTENANCE PLAN SHALL BE IMPLEMENTED TO ENSURE THAT STORMWATER MANAGEMENT SYSTEMS FUNCTION AS DESIGNED.

- PARTY RESPONSIBLE FOR OPERATION AND MAINTENANCE: PAZZ & CONSTRUCTION LLC
- THE FOLLOWING MAINTENANCE SHALL BE PERFORMED.
- A. INSPECT EACH CATCH BASIN ANNUALLY IN THE SPRING FOLLOWING THE WINTER SEASON. REMOVE ALL COLLECTED SEDIMENT AND DEBRIS AND DISPOSE OF IN AN APPROVED MANNER.
- B. INSPECT EACH VEGETATED/LANDSCAPED AREA TWICE ANNUALLY, ONCE IN THE FALL AS PART OF FOLIAGE CLEANUP AND A SECOND TIME DURING SPRING CLEANUP. ALL DEBRIS THAT OBSTRUCTS OR DIVERTS FLOW SHALL BE REMOVED AND DISPOSED OF IN AN APPROVED MANNER.
- C. INSPECT THE STORMTECH MC-3500 SUBSURFACE STORMWATER DETENTION & TREATMENT SYSTEM AS REQUIRED PER THE MANUFACTURER'S RECOMMENDATIONS. SEE BELOW.
- D. INSPECT THE DETENTION POND TWICE ANNUALLY IN THE SPRING AND FALL TO ENSURE THE INLET AND OUTLETS ARE FUNCTIONING PROPERLY. VEGETATION SHOULD BE MOWED AT LEAST ONCE EVERY TWO YEARS DURING A DRY PERIOD TO MINIMIZE OVERGROWTH.
- E. ACCESS DRIVES, PARKING AREAS AND SIDEWALKS SHALL BE SWEPT ANNUALLY EACH SPRING TO REMOVE SAND, SALT AND OTHER DEBRIS FROM THE WINTER MAINTENANCE SEASON.

ISOLATOR ROW INSPECTION & MAINTENANCE

THE STORMTECH MC3500 ISOLATOR ROW SHALL BE INSPECTED AS FOLLOWS EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION, INSPECTION INTERVALS SHALL BE ADJUSTED BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT AND DEBRIS ACCUMULATIONS AND HIGH WATER ELEVATIONS. JETTING AND VACTORING SHALL BE CONDUCTED IN ACCORDANCE WITH THE FOLLOWING STEPS ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY

STEP 1) INSPECT ISOLATOR ROW FOR SEDIMENT A. INSPECTION PORTS (CATCH BASIN GRATES OR MANHOLE COVERS)

- A.1. REMOVE/OPEN GRATE/LID ON DRAINAGE STRUCTURE A.2. REMOVE AND CLEAN FLEXSTORM FILTER IF INSTALLED (NOT APPLICABLE)
- A.3. USING A FLASHLIGHT AND STADIA ROD, MEASURE DEPTH OF SEDIMENT AND RECORD ON MAINTENANCE LOG A.4. LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL) A.5. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- B. ALL ISOLATOR ROWS
- B.1. REMOVE GRATE/LID FROM STRUCTURE AT UPSTREAM EACH END OF ISOLATOR ROW B.2. USING A FLASHLIGHT, INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
- MIRRORS ON POLES OR CAMERAS MAY BE USED TO AVOID A CONFINED SPACE ENTRY FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE B.3. IF SEDIMENT IS AT, OR ABOVE, 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2) CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS A. A FIXED CULVERT CLEANING NOZZLE WITH REAR FACING SPREAD OF 45" (1.1 m) OR MORE IS PREFERRED
 - B. APPLY MULTIPLE PASSES OF JETVAC UNTIL BACKFLUSH WATER IS CLEAN
- STEP 3) REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS; RECORD OBSERVATIONS AND ACTIONS.
- STEP 4) INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.

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10) -	36	Brown FSL	12	-	27	Brown FSL Trace Silt	12	-	36	Red/Brown FSL Trace Silt	14	-	32	Brown Fine Silty Loam
36	; -	56	Coarse Sand & Gravel	27	-	56	Coarse S&G Loose to Mod.	36	-	62	Coarse Sand & Gravel	32	-	84	Medium Sand
56	; -	68	Med-Coarse Sand	56	-	62	Coarse Sand & Gravel Compact	62	-	72	Med-Coarse Sand	84	-	88	Damp Medium Sand
68	3 -	84	Coarse Sand & Gravel	62	-	70	Gray/Tan Medium Sand	72	-	80	Sand & Gravel Compact				
				70	-	80	Sand & Gravel Compact								
	<u>'</u>														
	ROOTS		32"	ROOTS		OOTS	27"	ROOTS		OOTS	36"	ROOTS		OOTS	32"
	WATER		None	WATER		ATER	None	WATER		ATER	None	WATER		ATER	None
	LEDGE		None	LEDGE		EDGE	None	LEDGE		DGE	Ledge or Boulder @ 80"	LEDGE		DGE	None
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	-	<u> </u>	soil characteristics. Not suitable	_	-		soil characteristics. Similar to		-		and install monitoring pipe. Pit		-		and install monitoring pipe. Pit
			for Subsurface Drainage				TP 4 (sandy).		-		similar to TP 4 (sandy).		-		similar to TP 2 (sands & gravels).
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\perp	L	EDGE			LE	EDGE			LEDGE		None	LEDGE		DGE	None
MO	MOTT. / REST.			МОТ	T. / F	REST.			MOTT. / REST.		Possible @ 102" (monitoring req'd)MOTT. / REST.		None (monitoring req'd)		

	LEDGE			LEDGE			LEDGE	None	LED
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PR	OJECT NUN	MBER:				Y	₹C		19

NTACT INFORMATION TIC RIVER CONSULTANTS, LLC NORWICH AVENUE ANON, CONN 06249 (860) 367-7264 yanticriver@gmail.com

NORTH BRIDE BROOK **MULTI-FAMILY DEVELOPMENT** PREPARED FOR PAZZ & CONSTRUCTION, LLC GRADING & DRAINAGE PLAN

EAST LYME, CT

N. BRIDE BROOK ROAD (ASSESSOR'S MAP 9, LOT 37-2)

REVISION SUMMARY SHEET 3 OF 8 5/20 PER TOWN COMMENTS & UPDATED SURVEY MAP 0/20 REVISED DEVELOPMENT LAYOUT **DATE** 9/25/19 **REVISED** 7/10/20



UTILITY STATEMENT

UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTED UTILITY COMPANIES OR GOVERNMENT AGENCIES, PAROLE TESTIMONY, FIELD SURVEY AND OTHER SOURCES. THE SURVEYOR AND THIS PLAN SET MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN-SERVICE OR ABANDONED. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CONSTRUCTIO ACCORDANCE WITH CBYD NOTIFICATION PROCEDURES PRIOR TO COMMENCING WORK.

GENERAL UTILITY NOTES

- THE PURPOSE OF THIS PLAN IS TO SHOW THE GENERAL SYSTEM OF UTILITIES TO SERVE THE PROPOSED RESIDENTIAL MULTI-FAMILY DEVELOPMENT ONLY. DETAILED DESIGN PLANS AND DETAILS SHALL BE PREPARED FOR REVIEW AND APPROVAL BY THE APPROPRIATE UTILITY COMPANY PRIOR TO CONSTRUCTION.
- ALL UNDERGROUND UTILITIES MUST BE INSTALLED IN ACCORDANCE WITH THE STANDARDS, SPECIFICATIONS AND DETAILS OF THE APPROPRIATE PUBLIC UTILITY
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND ORDER ALL NEW SERVICES, LOCATE AND MAINTAIN IN SERVICE ALL EXISTING UTILITIES ENCOUNTERED DURING CONSTRUCTION UNLESS OTHERWISE INDICATED ON THE DRAWINGS. ANY PIPING WHICH CAN BE REMOVED DURING CONSTRUCTION WITH-OUT UNDUE INTERRUPTION OF SERVICE MAY BE REMOVED AND REPLACED BY THE CONTRACTOR, AT HIS EXPENSE WITH THE PERMISSION OF THE OWNER.
- BEFORE WORKING WITH OR AROUND EXISTING UTILITIES, THE APPROPRIATE UTILITY COMPANY SHALL BE CONTACTED BY THE CONTRACTOR.
- WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURE OR WHERE CONSTRUCTION IS IN THE VICINITY OF EXISTING PIPING, THE LOCATION AND ELEVATION OF THE EXISTING PIPING SHALL BE FIELD VERIFIED. NOTIFICATION SHALL BE GIVEN TO THE OWNER IF THE FIELD VERIFICATION DIFFERS FROM THE INFORMATION ON THE DRAWINGS.
- 5. FOR CLARITY PIPES MAY NOT BE DRAWN TO SCALE OR EXACTLY LOCATED.

WATER

- . ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS OF THE EAST LYME WATER AND SEWER COMMISSION.
- AN 8"Ø CLDIP (CLASS 54) PRIVATE WATER MAIN SHALL BE INSTALLED FROM THE EXISTING WATER MAIN IN NORTH BRIDE BROOK ROAD TO PROVIDE DOMESTIC AND FIRE SUPPRESSION WATER SUPPLY TO SITE, EACH BUILDING, NEW FIRE HYDRANTS AS SHOWN ON THE PLAN. INSTALLATION, OPERATION, MAINTENANCE, AND REPAIR OF THE PRIVATE WATER MAIN IS THE SOLE RESPONSIBILITY OF THE DEVELOPER AND/OR PROPERTY OWNER.
- COPPER (TYPE K) DOMESTIC WATER SERVICE PIPES SHALL BE INSTALLED FROM THE NEW PRIVATE MAIN TO A METER WITHIN EACH INDIVIDUAL UNIT. THE SERVICE AND METER SIZES SHALL BE CONFIRMED BY THE PROJECT ARCHITECT OR MEP FOLLOWING A HYDRANT FLOW TEST.

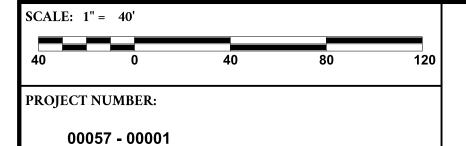
SANITARY

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS OF THE EAST LYME WATER AND SEWER COMMISSION.
- AN 8" PVC (SDR-35) PRIVATE SEWER COLLECTION MAIN SHALL BE INSTALLED AS SHOWN ON THE PLANS AND SHALL CONNECT TO THE EXISTING SANITARY MANHOLE TO THE SOUTH OF NORTH BRIDE BROOK ROAD WITH AN INSIDE DROP INLET.
- A MINIMUM CLEARANCE OF 10' HORIZONTAL AND 18" VERTICAL SHALL BE PROVIDED BETWEEN WATER AND SANITARY SEWER LINES. IF THE MINIMUM CLEARANCE IS NOT PROVIDED, THE SEWER LINE SHALL BE CONSTRUCTED OF C-900 PVC OR DUCTILE IRON PIPE.
- EACH INDIVIDUAL UNIT SHALL BE SERVED BY A SEPARATE 6" SANITARY LATERAL AS SHOWN ON THE PLAN WITH A CLEANOUT. LATERALS SHALL BE PVC (SDR-35) OR OTHER MATERIAL ON THE APPROVED MATERIALS LIST AND SHALL HAVE A MINIMUM SLOPE OF 2% AND MAXIMUM SLOPE OF 10%.

ELECTRIC & TELECOMMUNICATIONS

- ELECTRIC SERVICE SHALL BE PROVIDED TO THE DEVELOPMENT IN ACCORDANCE WITH THE STANDARDS OF NORTHEAST UTILITIES SERVICE COMPANY (EVERSOURCE ENERGY). LAYOUT AND DETAILS NOT SHOWN AT THIS TIME.
- FINAL CONNECTION LOCATION, SIZE & TYPE OF CONDUIT, TRANSFORMERS, METERS & OTHER ELEMENTS TO SERVE THE BUILDINGS SHALL BE COORDINATED BETWEEN EVERSOURCE ENERGY, OWNER, MEP AND ENGINEER PRIOR TO COMMENCEMENT OF
- SITE AREA LIGHTING NOT SHOWN. POLE MOUNTED AREA LIGHTS, BUILDING MOUNTED LIGHTS AND SIGN SPOT LIGHTS SHALL BE SERVED BY A COMMON OWNER'S PANEL WITH APPROPRIATE CONTROLS TO ENSURE PARKING AREAS, SIDEWALKS AND DRIVEWAYS ARE ADEQUATELY LIGHTED WILL BE PROVIDED PRIOR TO CONSTRUCTION. PANEL & CONDUIT SIZE AND LOCATION TO BE DETERMINED BY OWNER.







191 NORWICH AVENUE LEBANON, CONN 06249 Phone: (860) 367-7264 Email: yanticriver@gmail.com

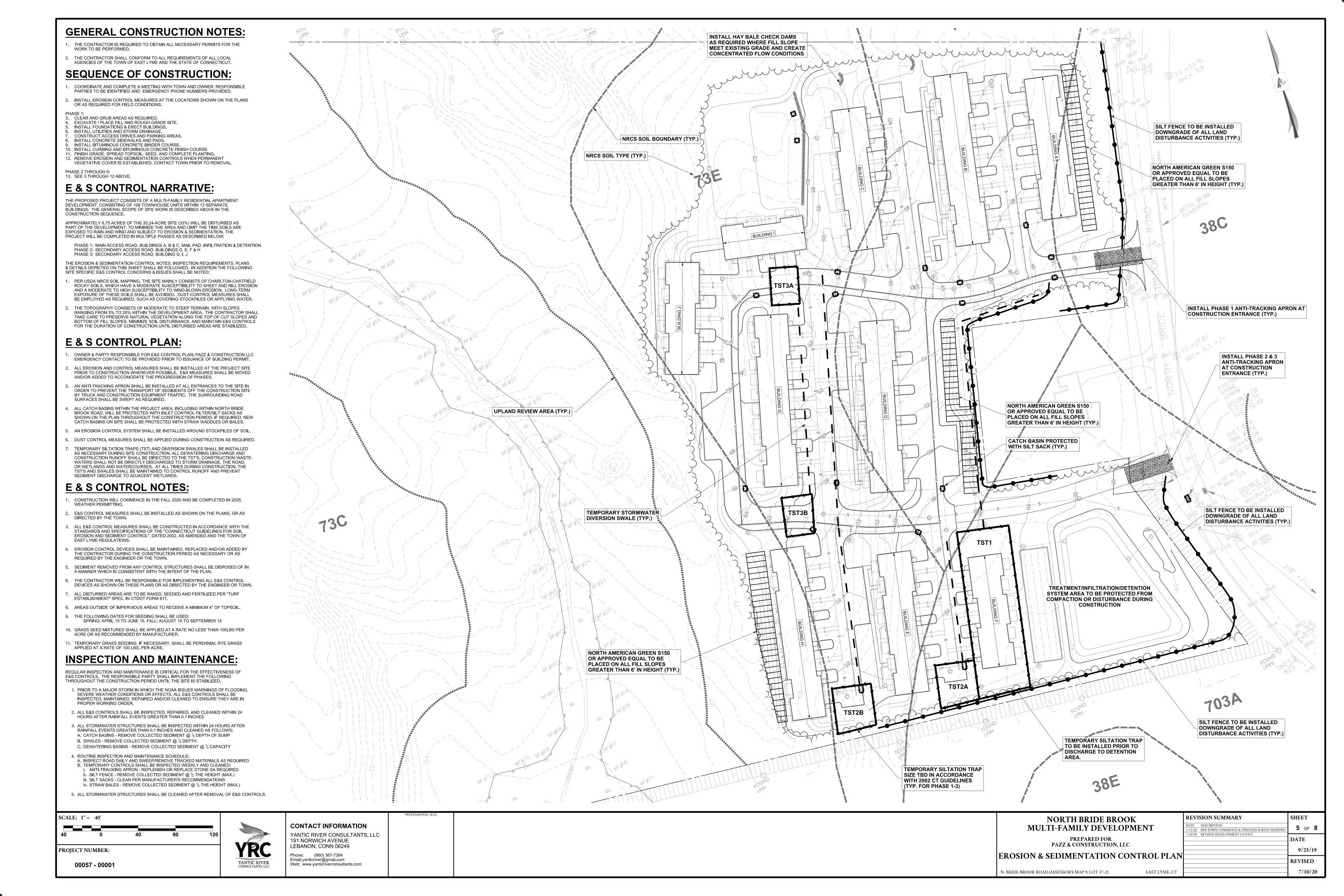
Web: www.yanticriverconsultants.com

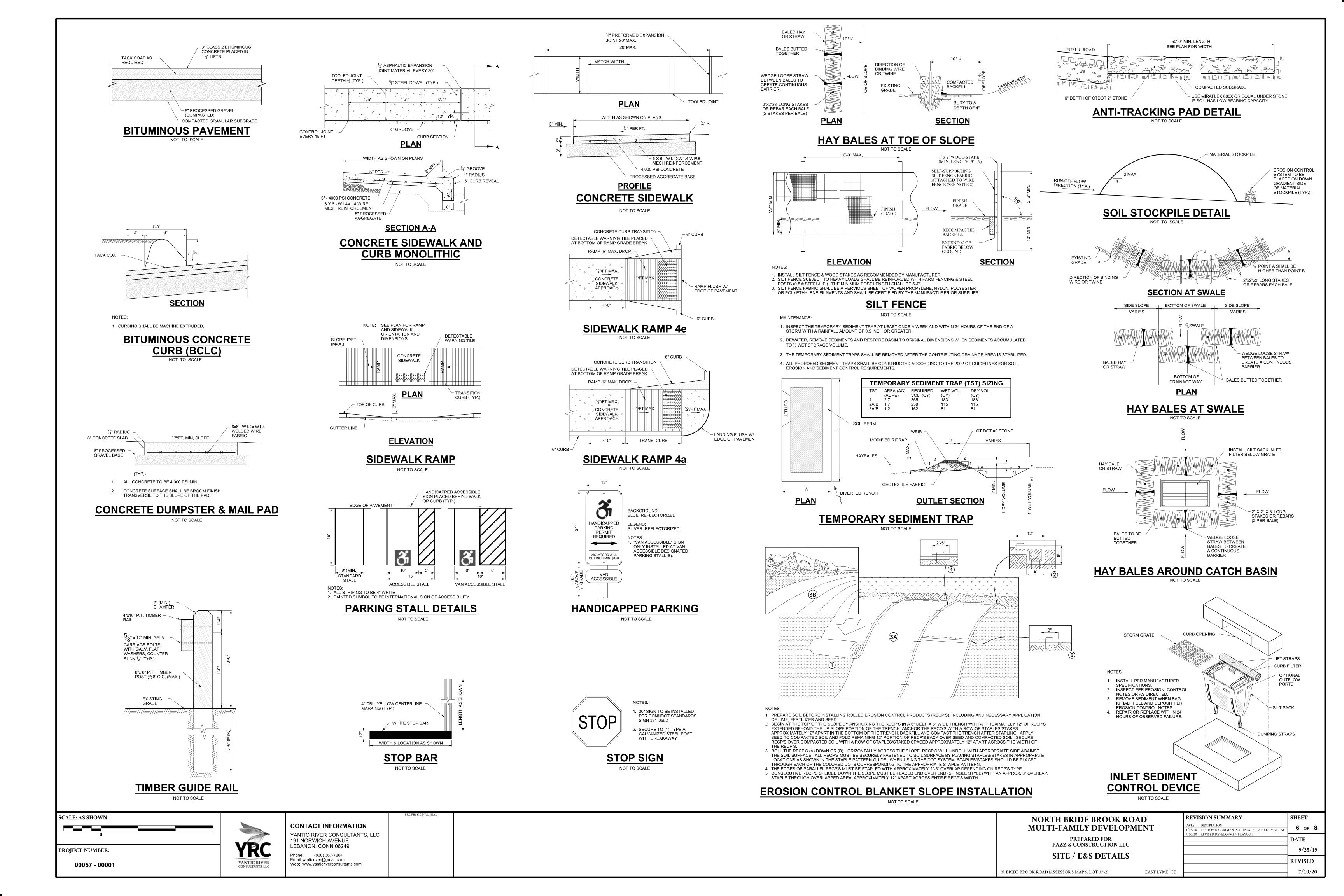
PAZZ & CONSTRUCTION, LLC **UTILITY PLAN**

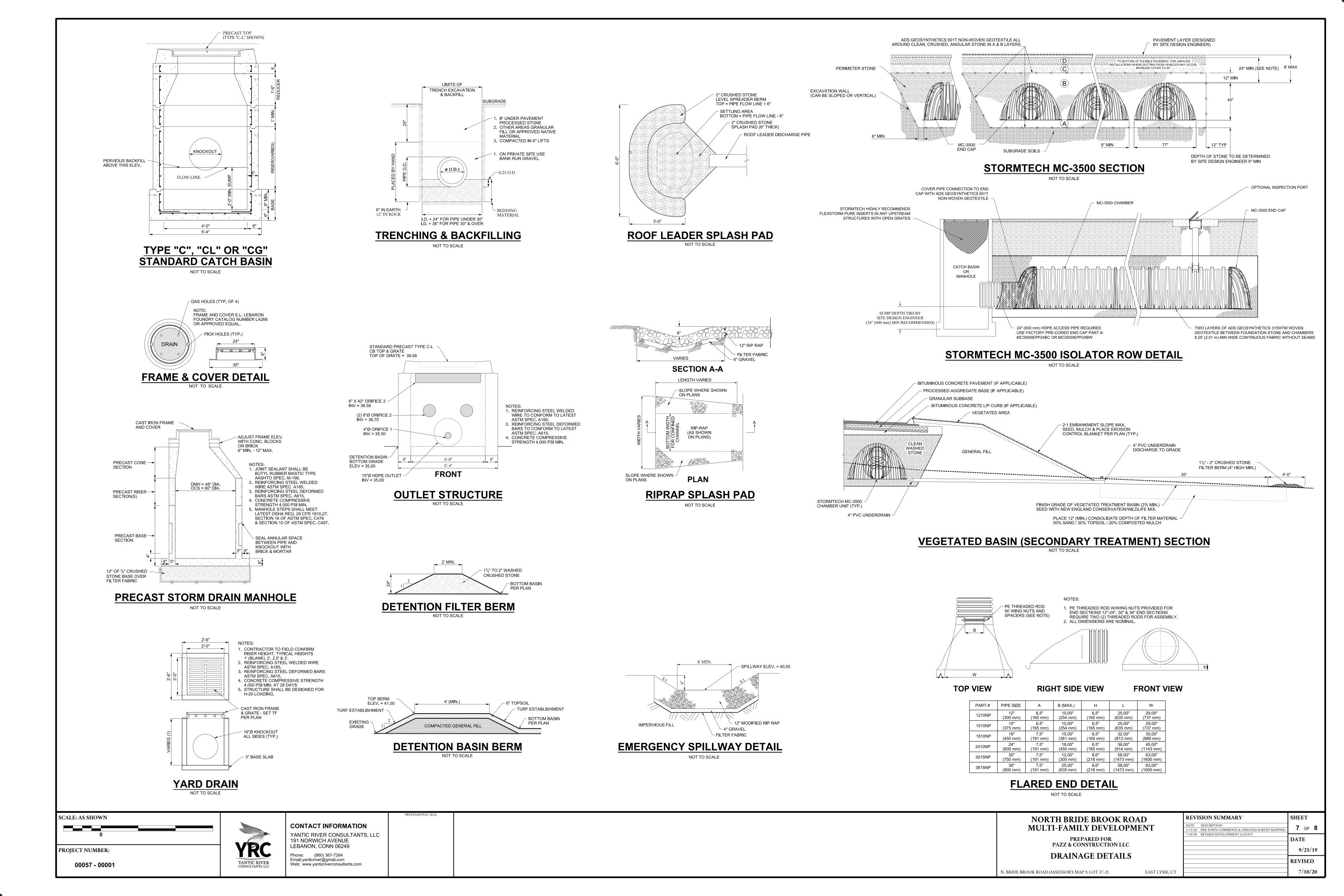
EAST LYME, CT

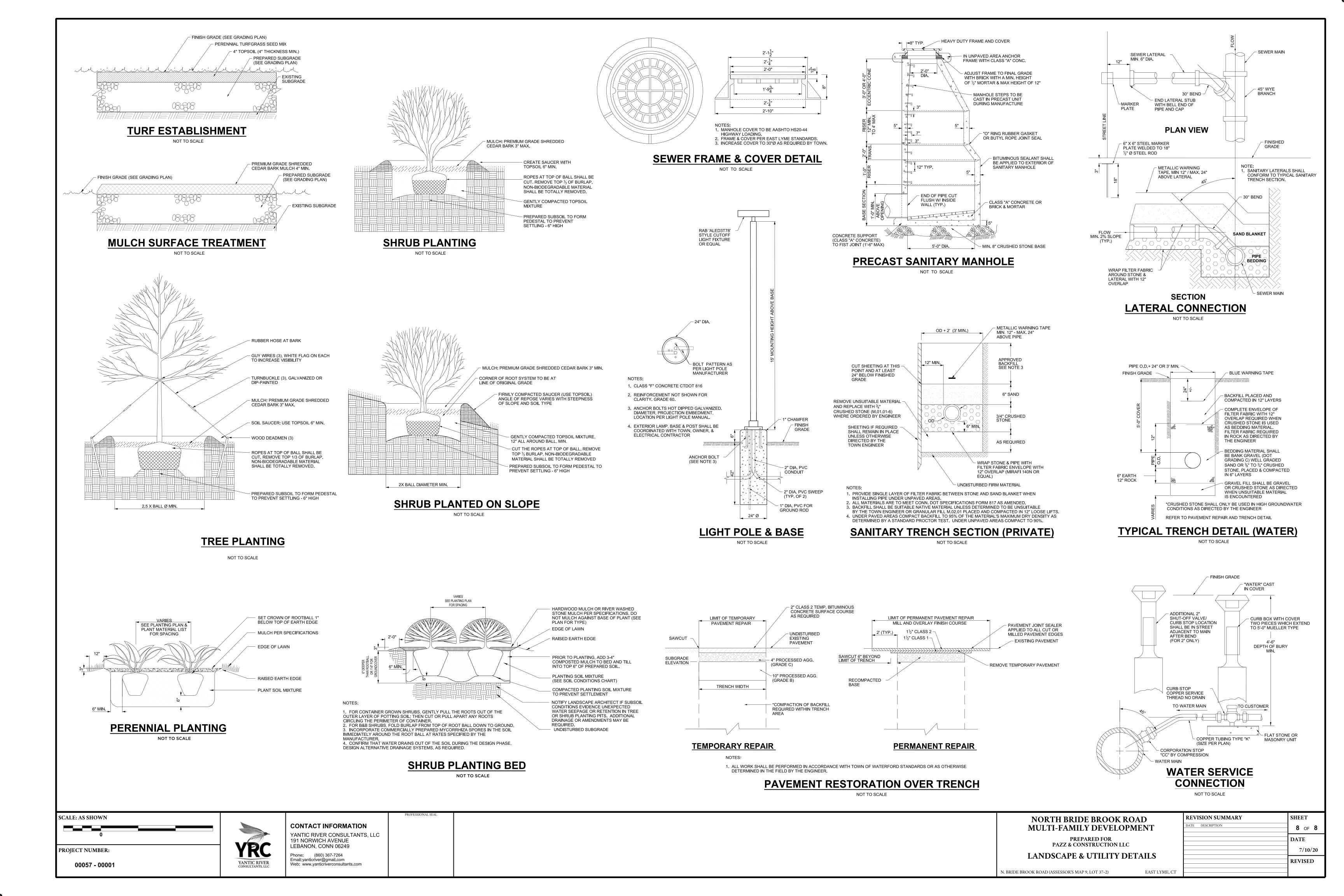
N. BRIDE BROOK ROAD (ASSESSOR'S MAP 9, LOT 37-2)

DATE 9/25/19 REVISED









File Copy

Bubaris Traffic A S S O C I A T E S Planning Engineering Design

December 22, 2018

Mr. Jason Pazzaglia Pazz Construction, LLC P.O. Box 817 East Lyme, CT 06333

Re: Site Traffic Assessment

Proposed Multifamily Residential Development

90 North Bride Brook Road East Lyme, Connecticut

Dear Mr. Pazzaglia:

Reference is made to the proposal to construct a 250-unit, low rise, multifamily residential development on the parcel of land located on the west side of North Bride Brook Road, in the Town of East Lyme, Connecticut. This parcel abuts I-95 on its west (rear) side, but without direct access/egress to and from I-95. North Bride Brook Road is a two-way town road running north-south in the vicinity of the proposed site drive. Its northern terminus ends at Route 1 (Boston Post Road). Its southern terminus ends at CT Route 156 (West Main Street).

Please refer to Exhibit 1 of the Appendix which locates this site with respect to the surrounding roadway network.

Please refer to Exhibit 2 of the Appendix which provides a conceptual site plan for the proposed development.

Introduction

The development will be served by one, two-way site drive intersecting the west side of North Bride Brook Road. The site drive will be located to optimize available sight line distances to and from the north and south of the site drive. At this point in time, it is estimated that this residential development will consist of 208 apartment units and 42 condominium units, for a total of 250 units. It has been assumed that full occupancy of the development will occur by 2023, or 5 years hence from now.

Traffic Volume and Traffic Speed Parameters

For purposes of the traffic operations analyses that follow, automatic traffic recorder measurements were conducted over a one-week period in late-May 2017 when we were first retained, to measure approaching traffic volumes and traffic speeds on a typical week which included weekdays and a weekend. These measurements were conducted on North Bride Brook Road in the vicinity of the proposed site drive.

The actual traffic volume measurements are included in Exhibit 3 of the Appendix.

The actual traffic speed measurements are included in Exhibit 4 of the Appendix.

A review of Exhibit 3 show that North Bride Brook Road in the vicinity of the subject site carries from about 700 to 1,300 two-way vehicles per day, and about 1,000 two-way vehicles per day on a Saturday and Sunday, which are considered relatively low traffic volumes. The two-way count shows about a 50-50 split for the two directions of travel.

Please refer to Exhibits 5 and 6 of the Appendix which graphically summarize the existing, and to Exhibits 7 and 8 of the Appendix which graphically summarize the projected background (no-build) weekday am and pm peak hour traffic volumes for North Bride Brook Road in the vicinity of the proposed site drive. In the case of the projected 2023 background (no-build), these were derived by expanding the 2017 existing traffic volumes by two percent per year for each of six years, where it has been assumed that this development will be fully occupied by 2023, where the typical growth factor for traffic in this area of two percent per year is applicable.

A review of Exhibit 4 shows that North Bride Brook Road in the vicinity of the proposed site drive location carries traffic with average and 85th-percentile speeds of about 32 and 36 miles per hour, respectively, which are considered reasonable given the good condition of North Bride Brook Road in this area. The posted speed limit for the entire length of North Bride Brook Road is 25 miles per hour in both directions.

Site-Generated Traffic Volumes

For the purpose of estimating site-generated traffic volumes associated with the proposed residential development, we utilized the trip generation data made available for this purpose, by land use, in <u>Trip Generation Report</u>, by the Institute of Transportation Engineers (ITE), tenth edition, 2017.

Please refer to Exhibits 9 of the Appendix that summarizes the trip generation calculations that were made for the proposed development assuming the full development of 250 units consisting of apartments and/or condominiums.

Please refer to Table A on the next page which summarizes the results of the trip generation calculations from Exhibit 9 of the Appendix.

A review of Table A show that the subject 250-unit low rise, multifamily residential development can be expected to generate from 98 to 130 trips per hour during the weekday am and pm commuter peak periods. A trip is defined as a one-way vehicular trip traveling either to or from the site. Note that there are typically two such peaks during both the am and pm peaks depending on how far residents live from their place of employment (i.e., the farther away the point of employment, the earlier they leave in the am and the later they return in the pm).

Finally, given that the existing peak hour traffic volumes on the abutting road to the site are distributed about 50 percent to and from the north and 50 percent to and from the south, it was assumed that site-generated traffic traveling to and from the subject residential subdivision will follow the same traffic distribution patterns.

Please refer to the right columns of Table A which show the estimated sitegenerated peak hour traffic volumes that will travel to and from the subject subdivision assuming a 50-50 split, north versus south, similar to existing traffic distributions.

Background and Combined Traffic Volumes

Please refer to Exhibits 10 and 11 of the Appendix which graphically show the estimated combined peak hour traffic volumes associated with the weekday am and pm commuter peak periods as derived from the foregoing. Exhibits 10 and 11 were derived by combining the background volumes from Exhibits 7 and 8 with the estimated site-generated volumes from the two right-most columns from Table A.

A review of Exhibits 10 and 11 shows that the combined (build) condition for the road immediately serving the subject residential subdivision will remain at very low traffic volume levels.

Table A Trip Generation and Trip Distribution Residential Subdivision 90 North Bride Brook Road East Lyme, Connecticut

Trip Distribution

		To/From	To/From					
Trip Generat	<u>cion</u>	NORTH	SOUTH					
		via	via					
250 low-rise mul	<u>tifamily</u>	North Bride	North Bride					
<u>residential u</u>	<u>nits</u>	Brook Road	Brook Road					
		50%	50%					
Weekday AM Peak Hour								
Inbound	20	10	10					
<u>Outbound</u>	<u>78</u>	<u>39</u>	<u>39</u>					
Total	98	49	49					
Weekday PM Peak Hour								
Inbound	85	43	43					
Outbound	<u>45</u>	<u>22</u>	<u>22</u>					
Total	130	65	65					

Bubaris Traffic Associates December 2018

Operations Analysis

Intersection operational analyses were performed for the proposed site drive intersection on North Bride Brook Road utilizing the methodology described in the latest edition of <u>Highway Capacity Manual</u>, Special Report 209, Transportation Research Board, 1985, updated to 2016. Application of this methodology was facilitated by use of <u>Synchro Analysis Software</u>, developed by the Trafficware Corporation, Version 9. Operational analyses are utilized to determine a Level of Service (LOS) for a given intersection operating under either signalized or unsignalized control.

In the case of unsignalized intersections similar to the proposed site drive intersection, Level of Service (LOS) is defined in terms of the average control delay for the approach or movement evaluated. Control delay involves movements at slower speeds and stops on intersection approaches as vehicles move up in the queue or slow down upstream of an intersection. The delay experienced by a motorist is comprised of factors that relate to control, geometrics, traffic, and incidents. Total delay is the difference between the travel time actually experienced and the reference time that would result during base conditions in the absence of incident, control, traffic, or geometric delay. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. At two-way stop-controlled and all-way stopcontrolled intersections, control delay is the total elapsed time from a vehicle joining the queue until its departure from the stopped position at the head of the queue. The control delay also includes the time required to decelerate to a stop and to accelerate to the free-flow speed. Level of Service for a one-way or twoway stop-controlled intersection is determined by the computed or measured control delay and is defined for each minor movement. LOS for a one-way or two-way stop-controlled intersection is not defined for the intersection as a whole. In today's environment, Levels of Service D to F are common and are often experienced on minor street approaches to major streets carrying relatively high traffic volumes.

Please refer to Exhibit 12 in the Appendix, which provides details on the definitions of Levels of Service for <u>unsignalized intersections</u>.

Please refer to Table B on the next page which summarizes the results of the traffic operational analyses that were conducted.

The computer-generated worksheets for these operational analyses are included as Exhibits 13 and 14 of the Appendix for the combined (build) weekday am and pm commuter peak periods.

A review of Table B shows that the levels of service for the proposed site drive intersection at North Bride Brook Road will operate at level of service A, considered excellent, for all the inbound, outbound, and through movements at this intersection.

Table B Summary of Traffic Operations Analysis Levels of Service Residential Subdivision 90 North Bride Brook Road East Lyme, Connecticut

	2019 Combined			
	(Build)			
	AM Peak	PM Peak		
North Bride Brook Road at Proposed Site Drive				
	_	_		
North Bride Brook Road northbound approach	Α	Α		
North Bride brook Road southbound approach	Α	Α		
Proposed Site Drive eastbound (outbound) approach	Α	Α		
Outbound Delay per vehicle (sec.)	9.3	9.9		
Average delay per vehicle for entire intersection (sec.)	4.2	2.6		

Bubaris Traffic Associates December 2018

Therefore, the proposed development should not have an adverse impact on traffic operations that would otherwise exist without this development.

Traffic Crash Experience

A review was made of the most recent five-year traffic crash experience summary for the subject study area which included the entire length of North Bride Brook Road as compiled and made available by the Connecticut Department of Transportation (2012-2014) and the UConn Traffic Crash Depository (2015-2017) for the five-year period from January 2012 through December 2017.

The actual traffic crash data are included in Exhibit 15 of the Appendix.

A review of Exhibit 15 shows an excellent traffic crash experience for this road, and NONE in the vicinity of the proposed site drive intersection. This excellent traffic crash experience shows no reason to expect that the proposed residential development with its relatively low site-generated traffic volumes would exacerbate this favorable condition.

Sight Line Evaluation

In the absence of an actual site plan to review, a field view of actual conditions indicated that available sight lines from a site drive location on North Bride Brook Road can be located and designed to provide satisfactory sight line distances of 450 to 500 feet to accommodate prevailing approaching traffic speeds as recently measured.

Conclusions

It is the professional opinion of Bubaris Traffic Associates that the proposed residential development at 90 North Bride Brook Road, consisting of about 250 low rise multifamily residential units, should not adversely impact traffic operations on the surrounding roadway network when it is completed and occupied.

The proposed residential development is expected to generate from 98 to 130 'trips per hour during the weekday am and pm commuter peak periods.

Operational analyses indicate that the proposed development will experience excellent levels of service at the proposed site drive intersection given the relatively low traffic volumes on North Bride Brook Road.

It appears that the required sight lines to and from the proposed site drive intersection can be provided given our preliminary field view.

The traffic crash experience for the immediate study area is excellent with no reason to expect that the subject development will exacerbate this excellent condition.

Very truly yours, Bubaris Traffic Associates, Inc.

James G. Bubaris, P.E. Conn. Reg. No. 9203

Principal

Site Traffic Assessment Proposed Residential Subdivision 90 North Bride Brook Road East Lyme, Connecticut

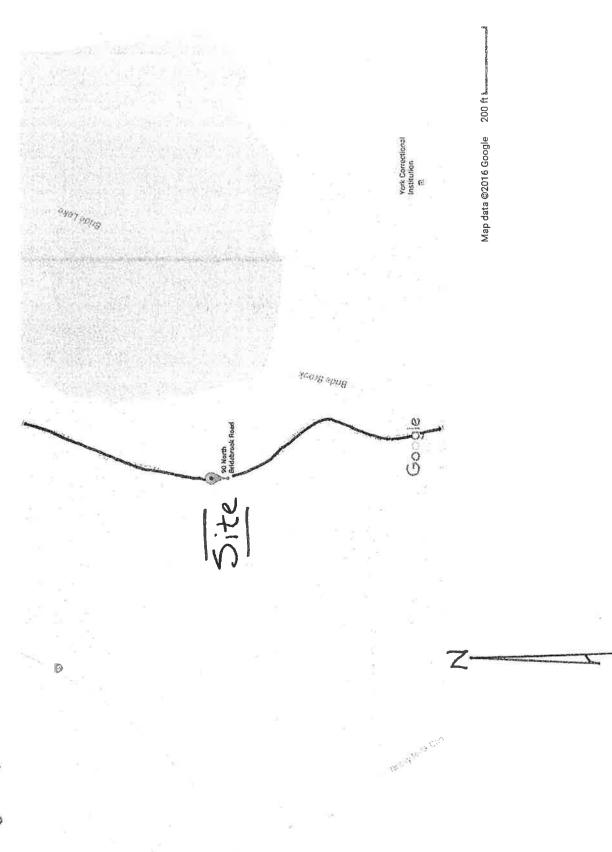
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Exhibit 6	Existing Weekday PM Peak Hour
Exhibit 7	Background Weekday AM Peak Hour
Exhibit 8	Background Weekday PM Peak Hour
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Exhibit 10	Combined Weekday AM Peak Hour
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Exhibit 13	Traffic Operations Analysis Worksheets Combined Weekday AM Peak
Exhibit 14	Traffic Operations Analysis Worksheets Combined Weekday PM Peak
Exhibit 15	Summary of Traffic Crash Experience Immediate Study Area East Lyme, Connecticut Five Years: 2013 through 2017

Exhibit 1
Location Maps
Proposed Residential Subdivision
90 North Bride Brook Road
East Lyme, Connecticut

Google Maps 90 N Bridebrook Rd



Go gle Maps 90 N Bridebrook Rd



Imagery ©2016 Google, Map data ©2016 Google 200 ft

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Exhibit 2
Site Plan
Proposed Residential Subdivision
90 North Bride Brook Road
East Lyme, Connecticut

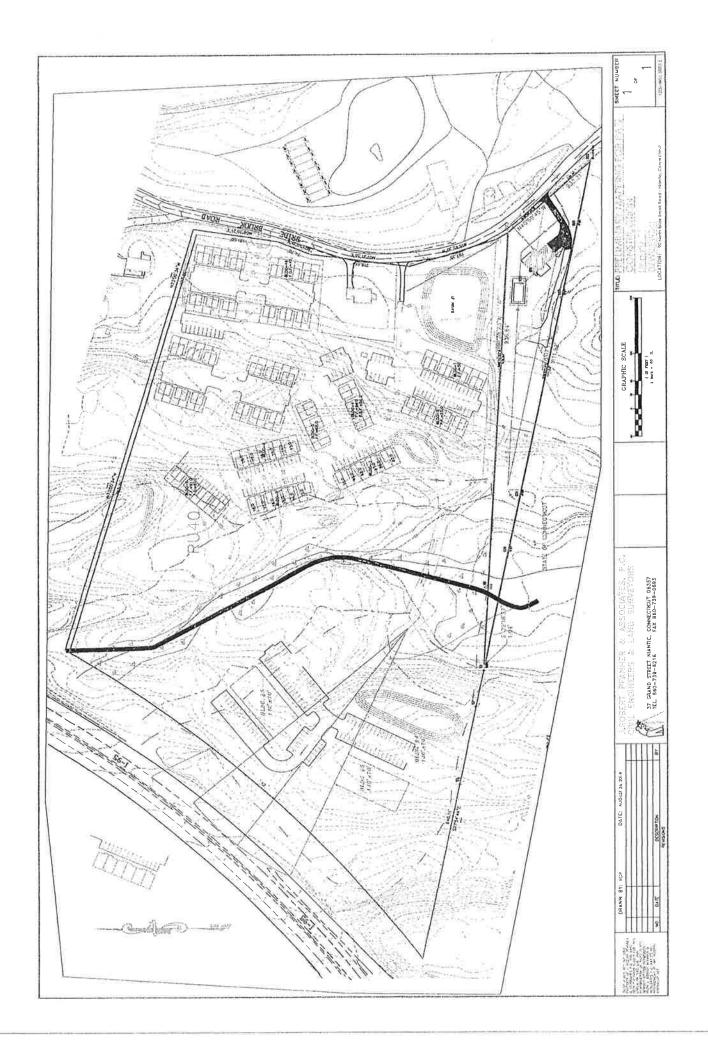


Exhibit 3
Automatic Traffic Volume Measurements
North Bride Brook Road vicinity of No. 90
East Lyme, Connecticut

Connecticut Counts LLC Kensington, Connecticut 06037 (860) 828-1693

90 North Bridebrook Road East Lyme, Connecticut

Site Code: 4321 Station ID:

Latitude: 0' 0.0000 Undefined

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Kensington, Connecticut 06037 **Connecticut Counts LLC** (860) 828-1693

90 North Bridebrook Road East Lyme, Connecticut

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Exhibit 4
Automatic Traffic Speed Measurements
North Bride Brook Road vicinity of No. 90
East Lyme, Connecticut

Kensington, Connecticut 06037 **Connecticut Counts LLC** (860) 828-1693

90 North Bridebrook Road East Lyme, Connecticut

Site Code: 4321 Station ID:

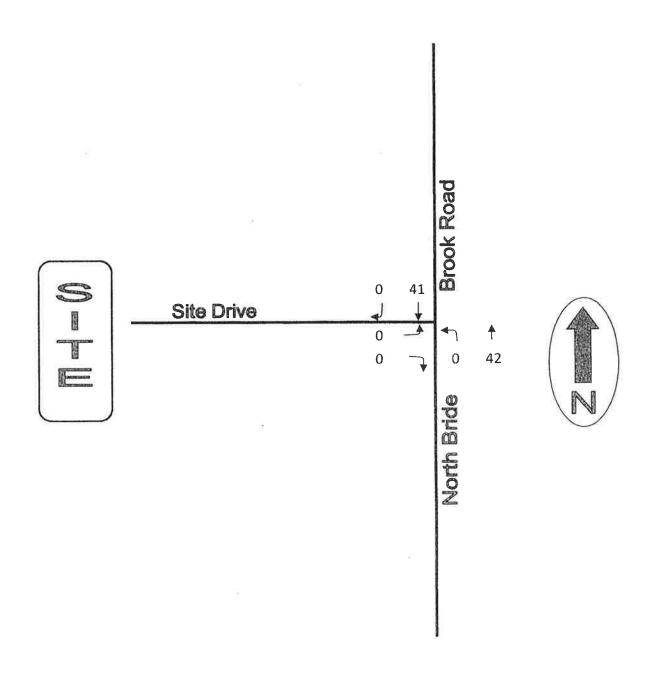
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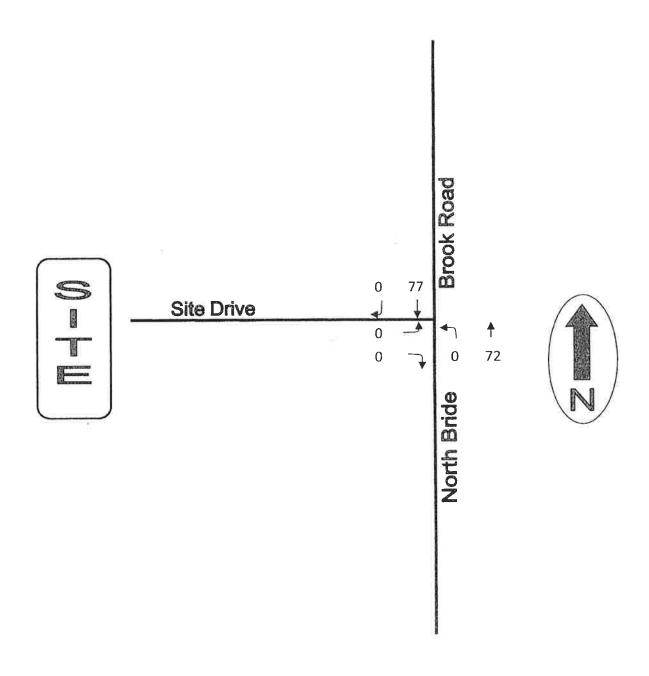
Connecticut Counts LLC Kensington, Connecticut 06037 (860) 828-1693

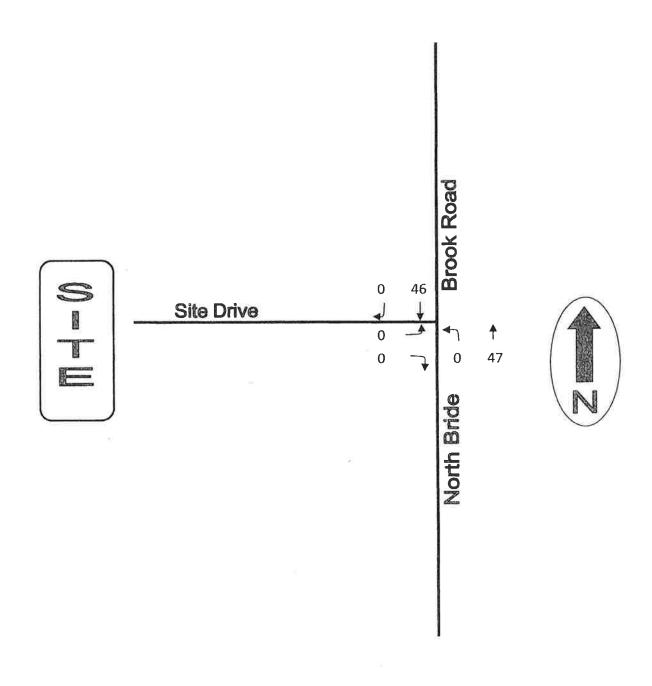
90 North Bridebrook Road East Lyme, Connecticut

Site Code: 4321 Station ID: Latitude: 0' 0,0000 Undefined

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-	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	* *	,	+	*	*	•	0	%0.0				16	0.4%		Number Percent
Start	Time	05/24/17	01:00	02:00	03:00	04:00	02:00	00:90	02:00	08:00	00:00	10:00	11:00	12 PM	13:00	14:00	15:00	16:00	17:00	8.6	20:00	21:00	22:00	23:00	Total	Percent	AM Peak	Vol.	PM Peak	Total	Percent		Stats







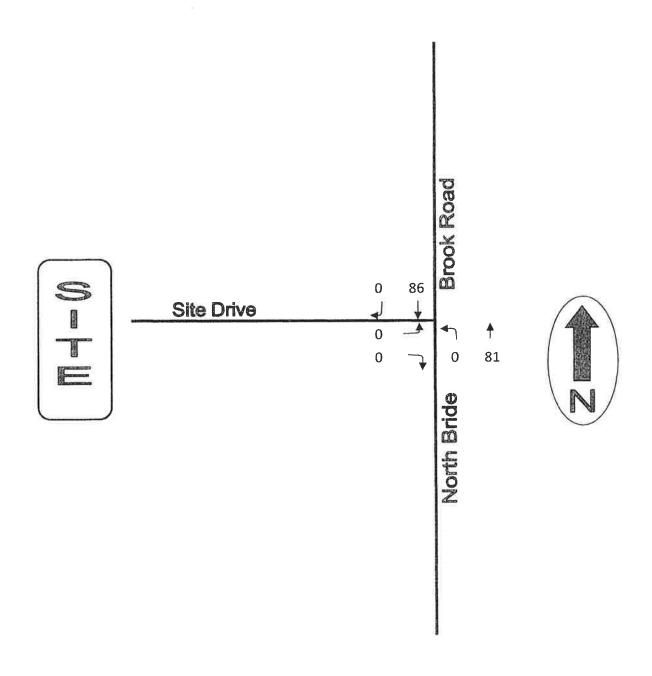


Exhibit 8 2023 Background PM Peak Hour Traffic Volumes

Exhibit 9
Trip Generation Calculations
Low Rise Multifamily Residential Development
ITE Land Use Code #220

Source: Institute of Transportation Engineers, Trip Generation Manual 10th Edition

Custom rate used for selected time period.

TRIP GENERATION 10, TRAFFICWARE, LLC

Trip Generation Summary

Alternative: Alternative 1

Phase:

Project:

Pazzaglia Subdivision

Weekday AM Peak Hour of Adjacent Street Traffic

Weekday PM Peak Hour of

Adjacent Street Traffic

Enter

85

85 0 0

85

20

1578

789 0

789

Volume Added to Adjacent Streets

Internal Capture Trips

Pass-By Trips

Unadjusted Volume

0

0

Total Weekday AM Peak Hour of Adjacent Street Traffic Internal Capture = 0 Percent Total Weekday PM Peak Hour of Adjacent Street Traffic Internal Capture = 0 Percent

Total Weekday Average Daily Trips Internal Capture = 0 Percent

0 0

98

130

0 0

45

130 0 0

45

Total 130

Exi.

Analysis Date:

Open Date: 12/16/2018

12/16/2018

·k

Exit

Enter

¥

Total

EX 789

Enter 789

×

Occupied Dwelling Units

250

LOW-RISE 1

220 旦

Land Use

Weekday Average Daily Trips

20

1578

Total

98

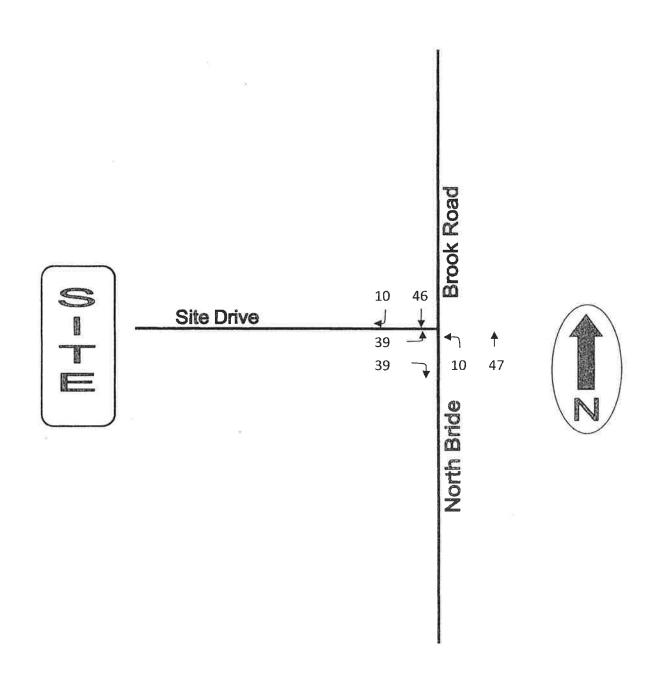
78

98 0

1578

789

0



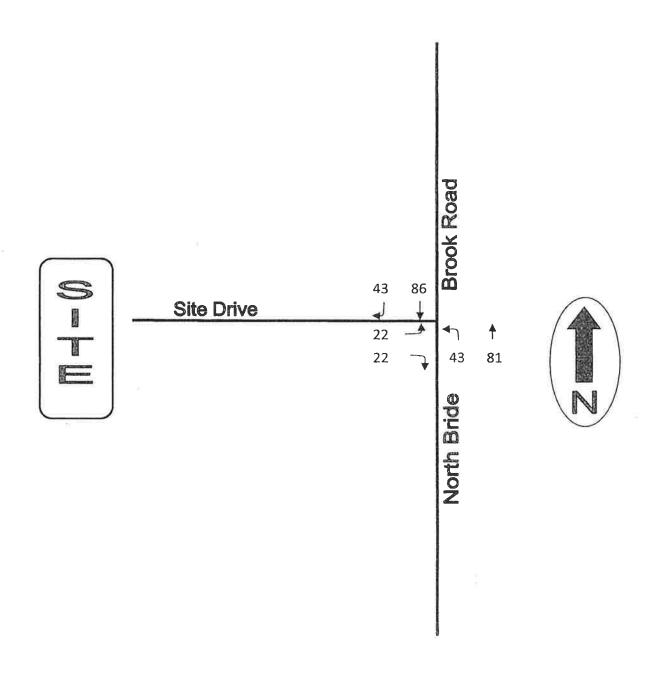


EXHIBIT 12 LEVEL OF SERVICE CRITERIA UNSIGNALIZED INTERSECTIONS

SOURCE: <u>HIGHWAY CAPACITY MANUAL (HCM)</u>, 2010 TRANSPORTATION RESEARCH BOARD (1)

Level of Service for **unsignalized intersections** similar to the study intersections is defined in terms of the average control delay for the approach or movement evaluated. Control delay involves movements at slower speeds and stops on intersection approaches as vehicles move up in the queue or slow down upstream of an intersection.

The delay experienced by a motorist is comprised of factors that relate to control, geometrics, traffic, and incidents. Total delay is the difference between the travel time actually experienced and the reference time that would result during base conditions in the absence of incident, control, traffic, or geometric delay. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay.

At two-way stop-controlled and all-way stop-controlled intersections, control delay is the total elapsed time from a vehicle joining the queue until its departure from the stopped position at the head of the queue. The control delay also includes the time required to decelerate to a stop and to accelerate to the free-flow speed.

Level of Service (LOS) for a two-way stop-controlled intersection is determined by the computed or measured control delay and is defined for each minor movement. LOS is **not defined** for the intersection as a whole.

Level of Service (LOS) for an all-way stop-controlled intersection is determined by the computed or measured control delay and is defined for all movements. A LOS is then defined for the intersection as a whole.

Levels of Service (LOS) for unsignalized intersections are defined as follows:

LEVEL OF SERVICE	AVERAGE CONTROL DELAY PER VEHICLE (SECONDS)	CONDITION
LOS A	0 TO 10	LITTLE OR NO DELAY
LOS B	> 10 TO 15	SHORT DELAY
LOS C	> 15 TO 25	AVERAGE DELAY
LOS D	> 25 TO 35	LONG DELAY
LOS E	> 35 TO 50	VERY LONG DELAY
LOS F	> 50	EXTREME DELAY

In today's environment, Levels of Service D to F are common and are often experienced on minor street approaches to major streets carrying relatively high traffic volumes.

(1) **HCM**, Exhibits 17-2 and 17-22.

Exhibit 13
Traffic Operations Analysis Worksheets
Combined Weekday AM Peak

							17101120411414				The same and	- American	- 50000	nanca	100414	compre	AND DESCRIPTION
Intersection	(1)	10000	al side	7 30.0	1800 E							en di			200	Series.	4.00
Int Delay, s/veh	4.2																
Movement	EBL	EBR	NBL	NBT	SBT	SBR											
Lane Configurations	M			4	Po												
Traffic Vol, veh/h	39	39	10	47	46	10											
Future Vol, veh/h	39	39	10	47	46	10											
Conflicting Peds, #/hr	0	0	0	0	0	- 0											
Sign Control	Stop	Stop	Free	Free	Free	Free											
RT Channelized		None		None	*	None											
Storage Length	0		*														
Veh in Median Storage	,# 0	-	*	- 0	0	-										8	
Grade, %	0		-	0	0												
Peak Hour Factor	92	92	92	92	92	92										20	
Heavy Vehicles, %	2	2	2	2	2	2								100			
Mvmt Flow	42	42	11	51	50	11											
Major/Minor	Vinor2	W. D. S. S.	Major1	300000	Vlajor2			4 (0.00							Ser.		
Conflicting Flow All	129	56	61	0	-	0		27/10/2014					Period Street				
Stage 1	56		-	-		:-:											
Stage 2	73					-											
Critical Hdwy	6.42	6.22	4.12	-								*					
Critical Hdwy Stg 1	5.42	0,22		-		(-)											
Critical Hdwy Stg 2	5.42			-													
Follow-up Hdwy	3.518	3.318	2.218	-													
Pot Cap-1 Maneuver	865	1011	1542		(=)												
Stage 1	967	1011	.012	_		-											
Stage 2	950	11 323	- 10			1 = 1								10.11			
Platoon blocked, %	000			-	10												
Mov Cap-1 Maneuver	859	1011	1542	*													
Mov Cap-2 Maneuver	859	(4)	340			(**)											
Stage 1	960		540			-											
Stage 2	950	0.45	(#)														
Clago 2																	
were seen and another	- CO		ND		CD	w. Daniel		an volume		THE REAL PROPERTY.	20100000	305745	ROME !		anguna		60EXE
Approach	9.3	WCG NO.	NB 1.3	21000	SB 0	250 583	235	De La Carti	WE TO	NS 1778-1		13755	2241			NAME OF STREET	
HCM Control Delay, s			1.3		U												
HCM LOS	Α																
	Normal acres	ENGINEERING.	enter et sante	CARDONIA 224	to the second	anger S	work store	Victoria de la	water of	suchime	ul hothbro	SUISSESSES	omeon.	in bussens	td5wN/2v	at and	MARKET P
Minor Lane/Major Mym	it .	NBL	NBT	EBLn1	SBT	SBR	, t		US INV	SHE			SEC.	Metroly			
Capacity (veh/h)		1542		929	7												
HCM Lane V/C Ratio		0.007	•	0.091	7	•											
HCM Control Delay (s)		7.4	0	9.3	7	157											
HCM Lane LOS		Α	Α	Α	7.												
HCM 95th %tile Q(veh))	0	-	0.3	7												

Exhibit 14
Traffic Operations Analysis Worksheets
Combined Weekday PM Peak

Int Delay, s/veh Movement E Lane Configurations Traffic Vol, veh/h Future Vol, veh/h	2.6 EBL	FFF												
Lane Configurations Traffic Vol, veh/h		mmm.												
Traffic Vol, veh/h		FBK	NBL	NBT	SBT	SBR	X6(30)		New York				DEOVIER-	
	1			4	1	10								
Future Vol. veh/h	22	22	43	81	86	43	100							
i didio voi, voimi	22	22	43	81	86	43								
Conflicting Peds, #/hr	0	0	0	0	. 0	0								
Sign Control S	Stop	Stop	Free	Free	Free	Free								
RT Channelized	-	None	117-	None		None								
Storage Length	0	-	-	-	-	-								
Veh in Median Storage, #	0		- A. E	0	0	-								
Grade, %	0	-	_	0	0	-								
Peak Hour Factor	92	92	92	92	92	92	100	100	357					
Heavy Vehicles, %	2	2	2	2	2	2								
Mvmt Flow	24	24	47	88	93	47								
Major/Minor Min	nor2	N.	//ajor1	i i	Major2	BUMISES	ADMANA TAN	esticate		67.00 MA	Magailla 1		JAN 1942 PA	
	299	117	140	0	icijora.	0	SALES MANUAL PROPERTY.	NACOSTRI DE		and the second	UNITED STATE		V 200 OF SHIP STO	100,000
- C	117	도벌	140					17					59	
	182		025	170										
~	5.42	6.22	4.12		- 0									
•	5.42	0.22	4.12		. [
, ,	5.42					15								
. , ,		3.318	2.218		-									
	692	935	1443		-	3 50								
	908	933	1443			2.5								
•	849				4 5	. 1								
0	049	_	-											
Platoon blocked, %	000	- 005	4 4 4 2		•	z .		1.1						
	668	935	1443			-								
	668		72.1		-									
•	877	_		-	-	-								
Stage 2	849	2			-	•								
Approach	EB	N DOTE	NB	EXPENSE.	SB		E PER DITTO DE LA CONTRACTION DE LA CO	ile.		E V				150
HCM Control Delay, s	9.9		2.6		0									
HCM LOS	Α													
Minor Lane/Major Mvmt	ZEN/G	NBL	NBT	EBLn1	SBT	SBR						in still	A A HILL	
Capacity (veh/h)		1443	-	779										
HCM Lane V/C Ratio		0.032	_	0.061										
HCM Control Delay (s)		7.6	0	9.9										
HCM Lane LOS		7.0 A	A	3.5 A	-	-								
HCM 95th %tile Q(veh)		0.1		0.2	-									
TOW SOLIT WILLE SELVEIT)		0.1	_	0.2	- 13									

Exhibit 15
Summary of Traffic Crash Experience
Immediate Study Area
East Lyme, Connecticut
Three Years: 2012 through 2014

North Bride Brook Road

From 1/1/2012 12:00:00 AM until 12/31/2014 11:59:59 PM

page 1 of 2

Report Generated 6/19/2017 8:53:43 AM

Town of East Lyme Route/Road Mile Marker 0.00 to 2.84 2012 To 2014 East Lyme North Bride Brook Road MM 0.00 To MM 2.84

Total of 8 accidents

1/1/2012 to 12/31/2014 Accident Experience Detail Report

Date		Town	Road	Mile	Location Description	DOT#	Police Case #	Contributing Factor	Lighting	Surface Condition	Weather Condition	Collision Type
Fri Jul-12-1 4:39	13 East	Lyme	NORTH BRIDE BROOK RD	0.02	100 feet South of US 1-BOSTON POST RD	2068688	1300436239	Speed Too Fast For Conditions	Dawn	Dry	No Adverse Condition	Fixed Object
Contrib. Factor	Direction	Veh	Туре	Maneu	ver Prefix	Mane	euver Suffix	1st/2nd	Object Struck	1st/2nd C	Object Location	Injuries K A B C Total
	North	Automob	oile None	Apply		Vehicle Negotia	atlng Curve	Fire Hydrant / Tro	80		and Shoulder, Road and Right	0 0 0 0 0
Fri Jan-25- 21:35	13 East	Lyme	NORTH BRIDE BROOK RD	0.20	2 tenths South of US 1-BOSTON POST RD	2025704	1300051042	Speed Too Fast For Conditions	Dark - Not Lighted	Snow/Slush	Snow	Fixed Object
Contrib. Factor	Direction	Veh 1	Туре	Maneu	ver Prefix	Mane	euver Suffix	1st/2nd	Object Struck	1st/2nd C	bject Location	Injuries KABC Total
6	South	Automob	oile None	Apply		Vehicle Going (Straight	Utility Pole		Off Road a Right	and Shoulder	0 0 0 0 0
Wed Oct-29:03	9-14 East	Lyme	NORTH BRIDE BROOK RD	0.37	250 feet South of APPLEWOOD COMMON	2222686	1400674694	Failed To Grant Right Of Way	Daylight	Dry	No Adverse Condition	Tuming - Intersecting Paths
Contrib. Factor	Qirection	Veh 1	Гурө	Maneu	ver Prefix	Mane	euver Suffix	1s1/2nd	Object Struck	1st/2nd O	bject Location	Injuries K A B C Total
136	West	Automob	ile None	Apply		Vehicle Turning Driveway	Right From		9			0 0 0 0 0
	South	Automob	oile None	Apply		Vehicle Going S	Straight					0 0 0 0 0
Sal Jun-14- 1:33	-14 East I	_yme	NORTH BRIDE BROOK RD	1.11	200 feet North of WEST SOCIETY RD	2192531	1400366414	Speed Too Fast For Conditions	Dark - Not Lighted	Wet	Rain	Fixed Object
Contrib. Factor	Qirection	Veh 1	Гуре	Maneu	ver Prefix	Mane	euver Suffix	1st/2nd (Object Struck	1st/2nd O	bject Location	Injuries K A B C Total
900	North	Single Ur Truck 2 / Tires		Apply	,	Vehicle Skiddin	g in Roadway	Wall / Tree		Off Road a Left / Off R Shoulder, I		0 0 0 0 0

Report Generated 6/19/2017 8:53:43 AM

	Town of E	asi Lyme R	Route/Roa	d Mile	Marker 0.00 to	2.84 2012 T	o 2014 East Ly	ymə North Bride I	Brook Road M	IM 0.00 To M	M 2.84	Total of 8 accidents
Date	. 7	Town	Road	Mile	Location Description	DOT#	Police Case #	Contributing Factor	Lighting	Surface Condition	Weather Condition	Collision Type
Thu Aug-3 0:00	0-12 East	BRI		1.17	100 feet South of WEST SOCIETY RD	1884214	1200491767	Animal Or Foreign Object in Road	Dark - Not Lighted	Dry	No Adverse Condition	Fixed Object
Contrib. Factor	Direction	Veh Туре		Maneur	ver Prefix	Mane	uver Suffix	1st/2nd	Object Struck	1sV2nd	Object Location	injuries K A B C Total
Factor	South	Automobile	None A	pply	,	Vehicle Going (Straight	Utility Pole		Off Road Left	and Shoulder,	0 0 0 0 0
Tue Jan-2 13:13	1-14 East	BR	RTH IDE OOK RD	1.75	3 tenths South of UP I-95	2145406	1400041777	Speed Too Fast For Conditions	r Dąylighl	Snow/Slush	Snow	Fixed Object
Contrib. Factor	Direction	Veh Type		Maneu	ver Prefix	Mane	uver Sufflx	1st/2nd	Object Struck	1st/2nd	Object Location	Injuries K A B C Total
20.5	South	Automobile	None A	Apply	1	Vehicle Negolia	ating Curve	Utility Pole		Off Road Left	and Shoulder,	0 0 0 0 0
Wed Jan-1 19:12	15-14 East	BŔ	RTH IDE OOK RD	1.79	8 tenths North of ATWOOD DR	2144738	1400029414	Speed Too Fast For Conditions	r Dąrk - Lighted	Wet	No Adverse Condition	Fixed Object
Contrib. Factor	Direction	Veh Type	•	Maneu	ver Preflx	Mane	uver Suffix	1st/2nd	Object Struck	1st/2nd	Object Location	Injuries K A B C Total
*	North	Automobile	None A	Арріу		Vehicle Negoli	ating Curve	Curbing / Tree			and Shoulder, if Road and , Righl	0 0 0 1 1
Tue Oct-2 21:07	8-14 East	BR	RTH IDE OOK RD	2.80	200 feet North of RT 156-WEST RD	2220636	1400673813	Speed Too Fast Fo Conditions	r Dark - Lighted	Dry	No Adverse Condition	Turning - Intersecting Paths
Contrib. Factor	Qirection	Veh Type	•	Maneu	ver Prefix	Mane	euver Suffix	1st/2nd	Object Struck		Object Location	K A B C Total
3.0	East	Automobile	None A	Apply		Vehicle Turning	g Left From Drivew	vay Fire Hydrant		Off Road Right	and Shoulder,	0 0 0 0 0
	South	Automobile	None /	Apply		Vehicle Going	Straight					0 0 0 0 0

North Brid = Brook Road, north of Bride Brook, South of I-55, 9-1215, non-collision, off road, east side North Bride Brook Read, South of Bride Brook, north of Heath & Rehab. Center, 8-29-19, Swith Doord, Lit Deer.