

WATER POLLUTION CONTROL AUTHORITY

Town of Trumbull

CONNECTICUT

TOWN HALL
(203) 452-5048



5866 MAIN STREET
TRUMBULL, CT 06611

AGENDA
JULY 27, 2016
7:00 p.m.

PUBLIC HEARING/TOWN OF TRUMBULL

JULY 27, 2016

PROPOSED SEWER USER RATES

Pursuant to section 7-255 of the Connecticut General Statutes, the Trumbull Water Pollution Control Authority hereby gives notice of a Public Hearing, Wednesday, July 27, 2016 at 7:00 p.m. at the Trumbull Town Hall, 5866 Main Street, Trumbull, Connecticut.

Sewage Treatment fees:

Residential Sewage Treatment per CCF, currently \$5.95	Proposed \$5.95
Industrial/Commercial Sewage Treatment per CCF, currently \$6.51	Proposed \$6.51
Flat Rate Treatment per quarter, currently \$176.00	Proposed \$176.00

Unit Charges:

Residential Maintenance Fee per unit, per quarter, currently \$33.00	Proposed \$33.00
Industrial/Commercial Maintenance Fee per unit, per quarter, currently \$34.00	Proposed \$34.00

The proposed rates and potential modifications thereof will be discussed by the Trumbull Water Pollution Control Authority Commission upon completion of the public hearing.

The final rates will be reflected on the next quarterly billing cycle mailed in August, 2016 covering the billing period through September, 2016.

Dated this 15th day of July 2016
Jeffrey Wright, Chairman
Trumbull Water Pollution Control Authority

MEETING AGENDA

1. Minutes to previous meeting(s):
 - June 22, 2016 regular meeting minutes
2. **New Business:**
 - Ury & Moskow Monthly Invoices
 - 577 Hawley Lane, Stratford – Proposed Sewer Connection
 - 41 Hedgehog Road – Proposed Sewer Connection
 - Owens Schine & Nicola Retainer - Re: St. Joseph's Manor

3. Old Business:

- 48 Skyview Drive
- Mark IV Progress

4. Any other business that may come before the Authority.

Margaret Mastroni

From: Frank Smeriglio
Sent: Wednesday, July 20, 2016 4:24 PM
To: Margaret Mastroni
Subject: FW: 577 Hawley Lane, Stratford, CT - Sewer Connection

Please attach this e-mail to the WPCA package.

Frank

From: jmdig55@aol.com [mailto:jmdig55@aol.com]
Sent: Wednesday, July 20, 2016 3:54 PM
To: Frank Smeriglio <fsmeriglio@trumbull-ct.gov>
Subject: 577 Hawley Lane, Stratford, CT - Sewer Connection

Frank,

It was nice to meet and speak with you today regarding the above referenced proposed project location. Please accept this email as my formal request to be placed on the agenda for the July 20, 2016 WPCA meeting to discuss the proposed project including my request to connect into the Town of Trumbull sanitary sewer line from this Stratford address.

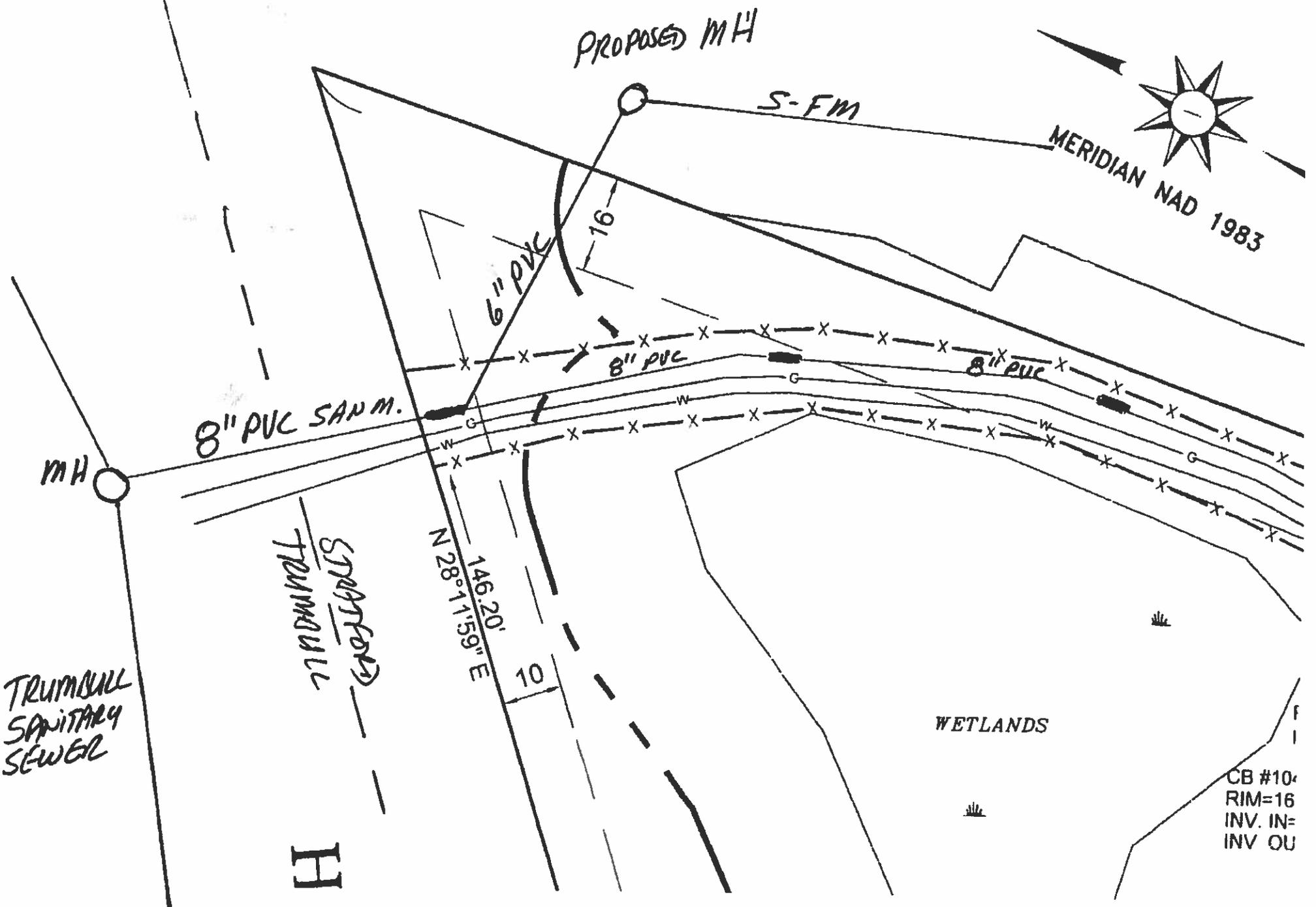
As discussed we were granted an approval to connect 495 Hawley Lane to the Trumbull sanitary system back in 2011 with subsequent City of Bridgeport and the Town of Stratford approvals as well.

I hope the agenda can handle another applicant and would greatly appreciate the opportunity to present the project to the commissioners at the meeting.

I look forward to a reply.

Thank you,
Jim Fitzpatrick
Cell - 203-543-3292

PROJECT LOCATION: 577 HAWLEY LANE - STRATFORD



TRUMBULL
SANITARY
SEWER

STRATFORD
TRUMBULL

H

PROPOSED MH

S-FM

MERIDIAN NAD 1983

8" PVC SAN M.

6" PVC

8" PVC

8" PVC

N 28° 11' 59" E
146.20'

10

WETLANDS

CB #10:
RIM=16
INV. IN=
INV. OU

REFERENCES

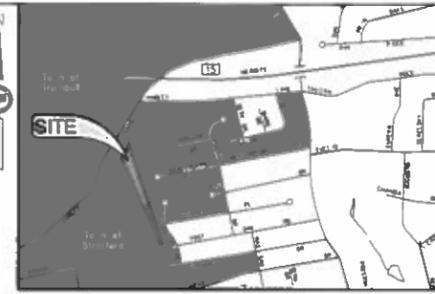
- TAX ASSESSOR MAP 30.17, BLOCK 3, LOT 73
- SITE PLAN BASED ON SURVEY TO CLASS A-2 STANDARDS PREPARED BY CABEZAS DEANGELIS MAP ENTITLED "EXISTING CONDITIONS SURVEY AND TOPOGRAPHIC SURVEY PREPARED FOR JAMES FITZPATRICK, 577 HAWLEY LANE, STRATFORD, CONNECTICUT, SHEET 1 OF 1," SCALE: 1" = 20', DATED OCTOBER 7, 2013
- PARCEL IS IN FEMA FIRM ZONE X (UNSHADED) PANEL 432 OF 628; COMMUNITY TOWN OF STRATFORD NUMBER 090016, PANEL 0432, SUFFIX F, MAP NUMBER 0900160432F, EFFECTIVE DATE JUNE 18, 2010.
- PARCEL IS FOUND IN TOWN OF STRATFORD ZONE 'CF'
- OWNER OF RECORD: MARY LUCY SEDLAK (VOL. 436, PG. 154)
- ELEVATIONS ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), CONTOURS CREATED IN 1'-0" INTERVALS

GENERAL NOTES

- CONTRACTOR SHALL CONTACT "CALL-BEFORE-YOU-DIG" SERVICES AT 1-800-922-4455 A MINIMUM OF TWO (2) DAYS BEFORE BEGINNING ANY EXCAVATION AT THE SITE.
- NEW WORK SHALL BLEND SMOOTHLY WITH EXISTING GRADES, UNLESS OTHERWISE SHOWN. ALL PAVEMENTS SHALL HAVE A TWO PERCENT CROSS-PITCH TO INSURE PROPER DRAINAGE.
- SILTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS NECESSARY PRIOR TO THE START OF GRADING AND MAINTAINED UNTIL ALL GROUND SURFACES ARE STABILIZED, I.E. WITH TURF, PAVEMENTS, ETC.
- PROTECT EXISTING UTILITIES TO REMAIN FROM DAMAGE. ACTIVE UTILITY LINES DAMAGED DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED OR REPLACED AS DIRECTED BY THE UTILITY OWNER AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL SUBSURFACE UTILITIES PRIOR TO THE START OF WORK. ANY FIELD CONDITIONS THAT DIFFER FROM THE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

GENERAL NOTES-CONTINUED

- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL CONFORM TO CTDOT FORM 816, LATEST EDITION, AS AMENDED, UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR SPECIFIED HEREIN.
- COMPACT MATERIAL TO NOT LESS THAN THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557 AND D-2049 AS FOLLOWS:
 - FOR UNPAVED AREAS, COMPACT TOP 6" OF SUBGRADE AND EACH LAYER OF BACKFILL OF FILL MATERIAL TO 85% MAXIMUM DRY DENSITY.
 - FOR PAVEMENTS, COMPACT TOP 12" OF SUBGRADE AND EACH LAYER OF BACKFILL MATERIAL TO 95% MAXIMUM DRY DENSITY.
- ALL UNSUITABLE MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL LAWS.
- GRADES IN ADA PARKING AREA SHALL NOT EXCEED 2% (1:50) IN ANY DIRECTION.



LOCATION MAP
SCALE: 1"=1000'

Cabezas DeAngelis
ENGINEERS & SURVEYORS
1450 BARNUM AVENUE • SUITE 201
BRIDGEPORT CT 06610
P: 203.330.8700 F: 203.330.8701

REVISIONS:		
No.	DESC.	DATE

PROPOSED DINER
-LOCATED AT-
577 HAWLEY LANE, STRATFORD, CONNECTICUT
-PREPARED FOR-
JAMES FITZPATRICK
577 HAWLEY LANE
STRATFORD, CONNECTICUT 06614

SEAL:
CHRIS A. DeANGELIS, PE

SHEET TITLE:
SITE DEVELOPMENT PLAN

PROJ. No.: CD694
ISSUE: PRELIMINARY
DATE: 21 JUNE 2016
DWG. No.: **C-1**

SHEET 1 OF 5
DESIGNED: CAD DRAWN BY: TGR CHECKED: CAD

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Tree Calculation

Sect. 12.12.2 - Front Landscaping Area
1 Tree/50 LF of Property Frontage
Property Frontage = 266.98 LF
Required: 1 Evergreen/50 LF x 224.65 = 4.5 Trees = 5 Trees

Sect. 12.12.3 - Buffer Areas
1 Evergreen/10 LF abutting Residence District
Property Line = 81.0 LF
Required: 1 Evergreen/10 LF x 81.0 = 8.1 = 9 Evergreens

Sect. 12.12.5 - Tree Requirements for Existing Parking Lots
1 Tree/1,000 SF Relitied Commercial Area
Building Area = 2,400 SF
Required: 1 Tree/1,000 x 2,400 SF = 2.4 Trees = 3 Trees

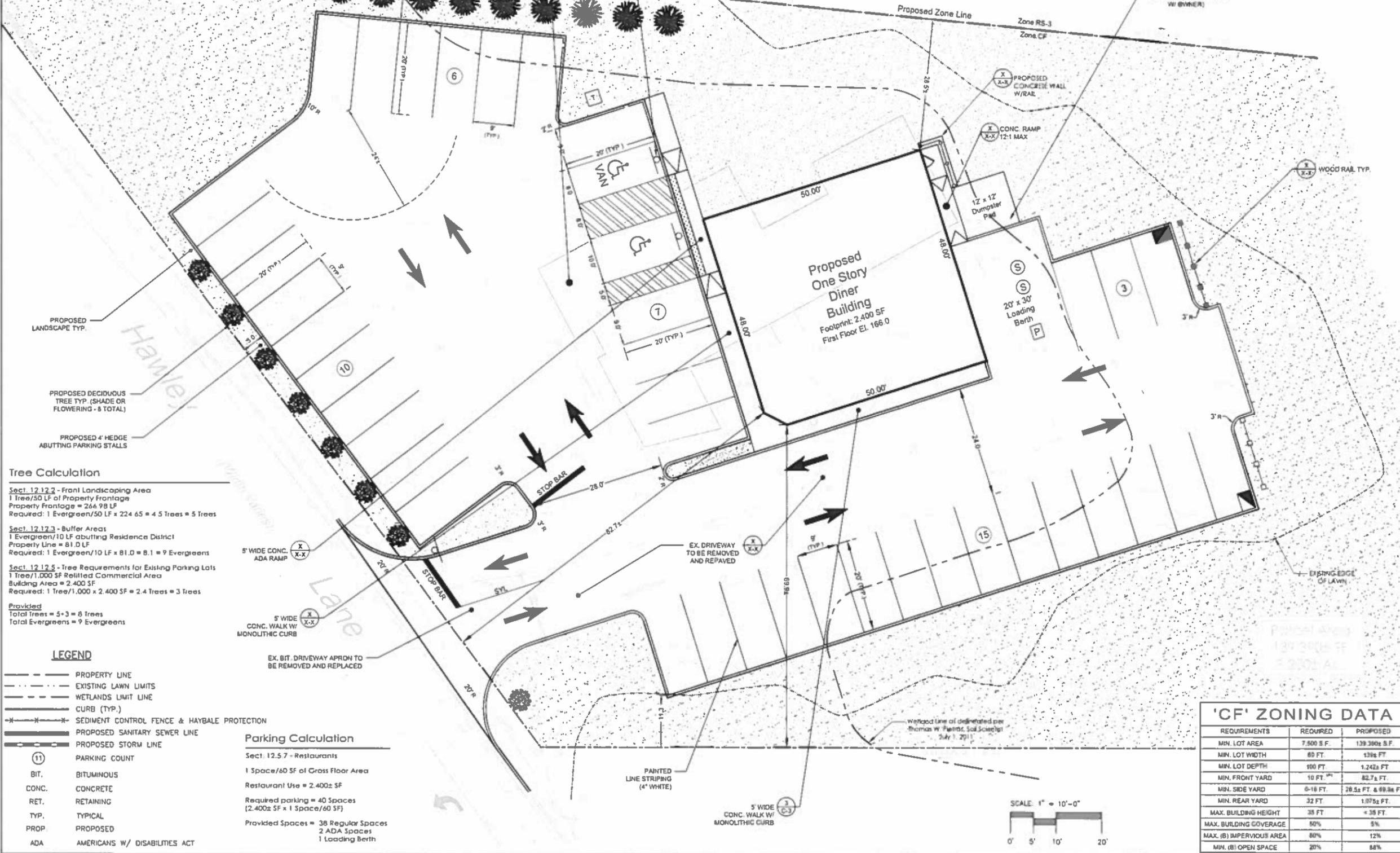
Provided
Total trees = 5+3 = 8 trees
Total Evergreens = 9 Evergreens

LEGEND

- PROPERTY LINE
- EXISTING LAWN LIMITS
- WETLANDS LIMIT LINE
- CURB (TYP.)
- SEDIMENT CONTROL FENCE & HAYBALE PROTECTION
- PROPOSED SANITARY SEWER LINE
- PROPOSED STORM LINE
- (11) PARKING COUNT
- BIT. BITUMINOUS
- CONC. CONCRETE
- RET. RETAINING
- TYP. TYPICAL
- PROP. PROPOSED
- ADA AMERICANS W/ DISABILITIES ACT

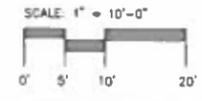
Parking Calculation

Sect. 12.5.7 - Restaurants
1 Space/60 SF of Gross Floor Area
Restaurant Use = 2,400± SF
Required parking = 40 Spaces
(2,400± SF x 1 Space/60 SF)
Provided Spaces = 38 Regular Spaces
2 ADA Spaces
1 Loading Berth



'CF' ZONING DATA

REQUIREMENTS	REQUIRED	PROPOSED
MIN. LOT AREA	7,500 S.F.	139,300± S.F.
MIN. LOT WIDTH	80 FT.	139± FT.
MIN. LOT DEPTH	180 FT.	1,242± FT.
MIN. FRONT YARD	10 FT. MIN.	82.7± FT.
MIN. SIDE YARD	6-18 FT.	38.5± FT. & 89.9± FT.
MIN. REAR YARD	32 FT.	1,075± FT.
MAX. BUILDING HEIGHT	35 FT.	< 35 FT.
MAX. BUILDING COVERAGE	50%	5%
MAX. (B) IMPERVIOUS AREA	50%	12%
MIN. (B) OPEN SPACE	20%	88%



NO.	DESC.	DATE

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 -LOCATED AT-
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 -PREPARED FOR-
JAMES FITZPATRICK
 577 HAWLEY LANE
 STRATFORD, CONNECTICUT 06614

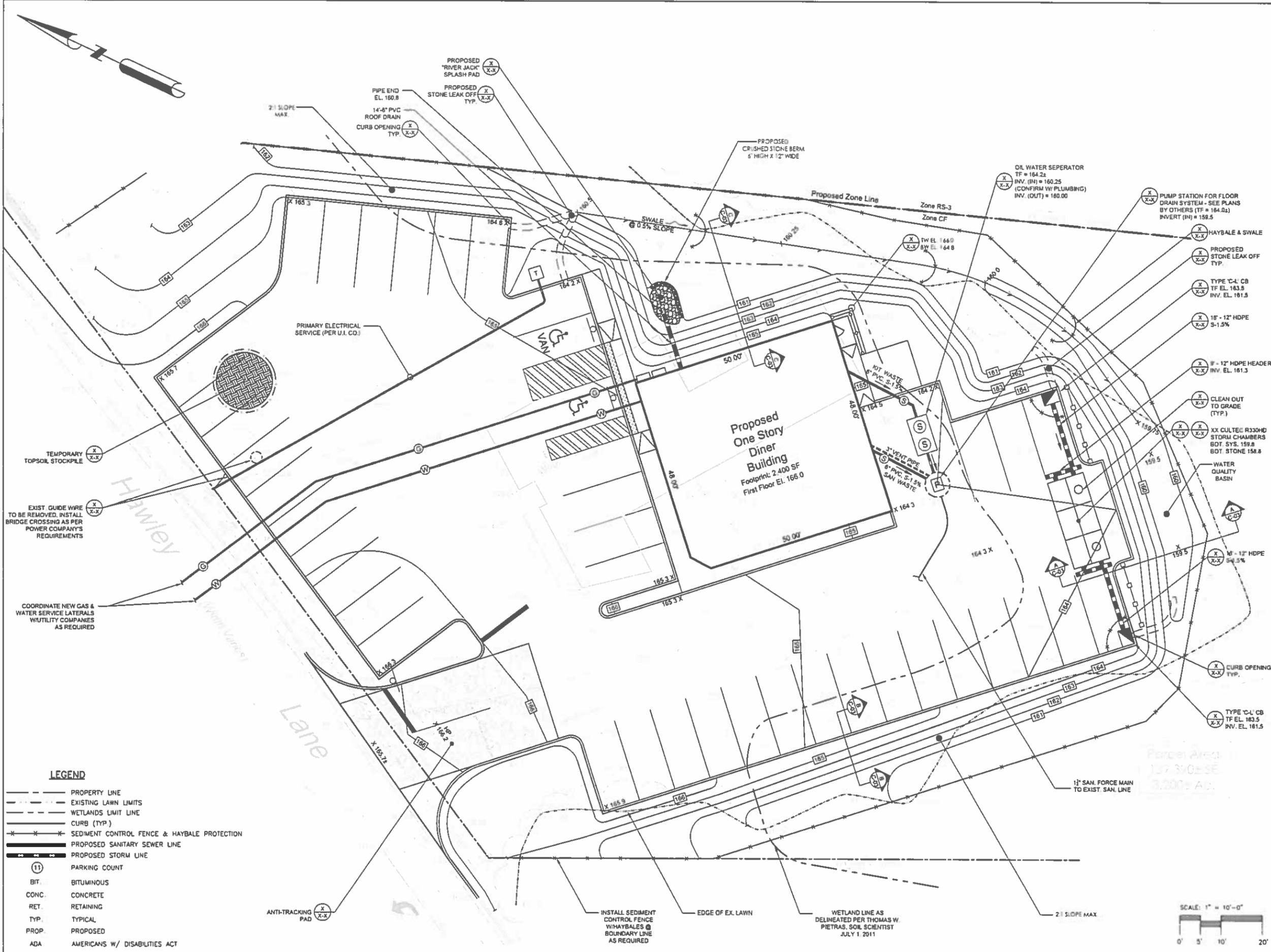
SEAL:
 CHRIS A. DeANGELIS, PE

SHEET TITLE:
**GRADING,
 DRAINAGE, UTILITY,
 & SOIL EROSION
 CONTROL PLAN**

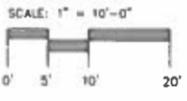
PROJ. No: **CD694**
 ISSUE: **PRELIMINARY**
 DATE: **21 JUNE 2016**

DWG. No. **C-2**
 SHEET 2 OF 5
 DESIGNED: CAD DRAWN BY: MVB CHECKED: CAD

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- LEGEND**
- PROPERTY LINE
 - - - EXISTING LAWN LIMITS
 - - - WETLANDS LIMIT LINE
 - CURB (TYP)
 - * * * SEDIMENT CONTROL FENCE & HAYBALE PROTECTION
 - PROPOSED SANITARY SEWER LINE
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 - (11) PARKING COUNT
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 - ADA AMERICANS W/ DISABILITIES ACT



REVISIONS:

No.	DESC.	DATE

PROPOSED DINER
-LOCATED AT-
577 HAWLEY LANE, STRATFORD, CONNECTICUT
-PREPARED FOR-
JAMES FITZPATRICK
577 HAWLEY LANE
STRATFORD, CONNECTICUT 06614

SEAL:

CHRIS A. DeANGELIS, PE

SHEET TITLE:
SECTIONS & SOIL EROSION CONTROL DETAILS

PROJ. No.: **CD694**
ISSUE: **PRELIMINARY**
DATE: **21 JUNE 2016**
DWG. No.: **C-03**
SHEET 3 OF 4
SCALE: AS SHOWN
DESIGNED: CAD DRAWN BY: TGR CHECKED: CAD

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SEDIMENT AND EROSION CONTROL NARRATIVE

THE INTENT OF THIS EROSION AND SEDIMENT CONTROL PLAN IS TO COLLECT SEDIMENT IN RUN-OFF DURING EARTH WORK OPERATIONS BEFORE CONSTRUCTION AREAS MAY BE STABILIZED. THE MEASURES AS DESCRIBED HEREIN SHALL BE INSTALLED WHERE SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER OR CITY REPRESENTATIVE. SILTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THE 2002 CT DEP GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.

PROJECT DESCRIPTION

THE PROJECT CONSISTS OF THE CONSTRUCTION OF A NEW COMMERCIAL BUILDING AND A PARKING LOT FOR 8 EMPLOYEE VEHICLES. STORM WATER WILL PRIMARILY BE RETAINED ON SITE BY AN UNDERGROUND RETENTION SYSTEM WITH AN OVERTLOW SYSTEM DIRECTING ALL WATER INTO A WATER QUALITY BASIN LOCATED IN THE SOUTHEASTERLY SIDE OF THE LOT AND NORTHERLY OF PROPERTY WETLANDS.

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL AND MAINTAIN THE EROSION CONTROL MEASURES DURING THE CONSTRUCTION PERIOD. WHEN CONSTRUCTION IS COMPLETE, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO MAINTAIN THE DRAINAGE SYSTEM TO ENSURE EFFICIENT OPERATION AND REMOVAL OF SEDIMENT. CONSTRUCTION IS SCHEDULED TO BEGIN FALL OF 2016 AND END FALL OF 2017.

SEDIMENT AND EROSION CONTROL NOTES

1. THE CONTRACTOR SHALL ASSIGN A PERSON OR PERSONS WHO WILL BE RESPONSIBLE FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL MEASURES AS SHOWN AND DESCRIBED HEREIN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF SEDIMENT AND EROSION CONTROL METHODS AND INFORMING ALL PARTIES ENGAGED IN THE CONSTRUCTION OF THE SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN, AND NOTIFYING THE PLANNING AND ZONING OFFICER OF ANY TRANSFER OF THIS RESPONSIBILITY.
2. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE INSTALLED BEFORE ANY LAND DISTURBANCE AND SHALL CONSIST OF: ANTI-TRACKING PAD, HAYBALES, SILT FENCE, MULCH, AND TEMPORARY SEEDING. MEASURES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
3. CLEAN OUT OF THE OIL/WATER SEPARATOR, CATCH BASIN Sumps AND CULVERTS SHALL OCCUR ON A REGULAR BASIS DURING THE CONSTRUCTION PERIOD. THE ACCUMULATED SEDIMENT SHALL BE DISPOSED OF TO A LOCATION APPROVED BY THE ENGINEER OR CITY REPRESENTATIVE.
4. THE EROSION CONTROL FEATURES SHALL BE CHECKED DAILY AND AFTER EACH SEVERE RAIN STORM FOR DAMAGE. UNTIL SUCH FEATURES ARE, IN THE OPINION OF THE ENGINEER, NO LONGER NEEDED, ALL SEDIMENTATION SYSTEMS SHALL HAVE THE ACCUMULATED SEDIMENT REMOVED BEFORE IT SIGNIFICANTLY REDUCES THEIR STORAGE VOLUME OR FUNCTION PRIOR TO THE NEXT RAIN STORM FORECAST FOR THE REGION.
5. THE CONTRACTOR SHALL HAVE ON HAND AT ALL TIMES THE NECESSARY MATERIALS AND EQUIPMENT TO PROVIDE FOR EARLY MEASURES TO CONTROL EROSION AND SEDIMENT LOSS. THE CONTRACTOR SHALL CEASE ANY OF HIS OPERATIONS WHICH WILL INCREASE EROSION OR SEDIMENT LOSS DURING RAIN STORMS.
6. ALL SLOPES OF STOCKPILED MATERIAL AND OTHER DISTURBED AREAS SHALL BE STABILIZED AND PROTECTED BY SURROUNDING WITH HAYBALES, AS SHOWN ON THE PLANS. ALL DAMAGED AREAS SHALL BE REPAIRED AS SOON AS POSSIBLE. THE CONTRACTOR SHALL RESPOND TO MAINTENANCE OR ADDITIONAL MEASURES ORDERED BY THE ENGINEER OR THE CITY REPRESENTATIVE WITHIN 24 HOURS.
7. THE CONTRACTOR SHALL PERFORM DUST CONTROL ON A DAILY BASIS DURING PERIODS OF DRY WEATHER, ON ALL AREAS WHERE SOIL HAS NOT YET BEEN STABILIZED AND AS DIRECTED BY THE ENGINEER.
8. AT THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES, WHEN ALL DISTURBED AREAS ARE STABILIZED WITH NEW TURF, PAVEMENT, ETC., THE CONTRACTOR SHALL COMPLETELY REMOVE ALL SEDIMENTATION AND EROSION CONTROL MEASURES FROM THE SITE, UNLESS SPECIFICALLY ORDERED BY THE ENGINEER TO REMAIN IN PLACE.

SEDIMENT AND EROSION CONTROL MEASURES

MULCHES SHALL BE HAY, STRAW, WOOD CELLULOSE, WOOD CHIPS, STONE, NETTING, BURLAP OR OTHER SUITABLE MULCH MATERIAL AS APPROVED BY THE ENGINEER. MULCHES SHALL BE REASONABLY CLEAN AND FREE OF NOXIOUS WEEDS AND DELETERIOUS MATERIALS. ASPHALT SPRAYS WILL NOT BE ALLOWED. THE CONTRACTOR SHALL PREVENT STRAW, WOOD CHIPS, ETC. FROM ENTERING ANY WATERCOURSE.

HAY BALES SHALL BE PLACED AROUND ALL EXISTING DRAINAGE INLETS OR AS DIRECTED BY THE ENGINEER. THEY SHALL BE HELD IN PLACE BY TWO WOODEN STAKES IN EACH BALE. BALES SHALL BE MAINTAINED OR REPLACED AS ORDERED BY THE ENGINEER UNTIL THEY ARE NO LONGER NECESSARY FOR THE PURPOSE INTENDED OR ARE ORDERED REMOVED BY THE ENGINEER. HAY BALES SHALL BE MADE OF HAY WITH 45 POUNDS MINIMUM WEIGHT AND 120 POUNDS MAXIMUM WEIGHT. WOOD STAKES SHALL BE A MINIMUM OF 1 INCH BY 1 INCH NOMINAL SIZE BY A MINIMUM OF 3 FEET LONG.

SILT FENCE SHALL CONSIST OF 3-FOOT WIDE GEOSYNTHETIC FABRIC WITH PREFABRICATED WOOD POSTS AS MANUFACTURED BY "MARR" OR EQUAL. THE BOTTOM SIX INCHES OF FABRIC SHALL BE BURIED BY EITHER TRENCHING OR BY LAYING THE SIX INCH SECTION HORIZONTALLY ON THE GROUND AND BURYING BY RAMMING THE TOPSOIL UP TO THE CONTROL FENCE.

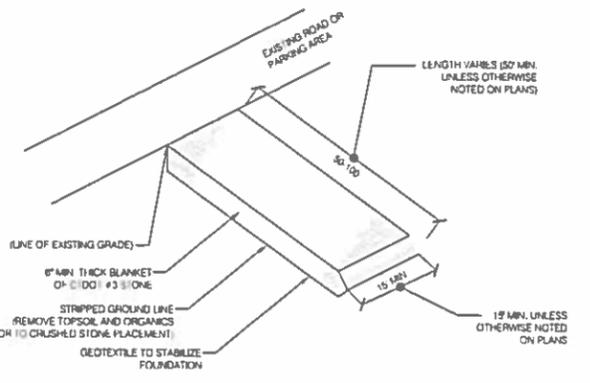
- MINIMUM LENGTH OF SILT FENCE IS 15 LF
- MAXIMUM POST SPACING IS 10 LF
- JOINTS IN FILTER FABRIC SHALL BE ONLY AT SUPPORT POSTS WITH MINIMUM 6" OVERLAP, SECURELY SEALED
- SILT FENCE SHALL NOT BE USED IN A WATER COURSE
- FABRIC SUSCEPTIBLE TO SUNLIGHT DAMAGE SHALL NOT BE USED IN ANY INSTALLATIONS WHERE EXPOSURE TO LIGHT WILL EXCEED 30 DAYS, UNLESS SPECIFICALLY AUTHORIZED IN WRITING BY THE ENGINEER.

TEMPORARY GRASS SEED SHALL BE PERENNIAL RYE GRASS (LOLIUM PERENNE) OR AN IMPROVED VARIETY THEREOF, SUCH AS MANHATTAN, HAVING A MINIMUM PURITY OF 98 PERCENT AND A MINIMUM GERMINATION OF 90 PERCENT. THE SEEDING MAY BE ALTERED BY THE ENGINEER IF REQUESTED BY THE CONTRACTOR TO SUIT SPECIAL AREAS OR CONDITIONS.

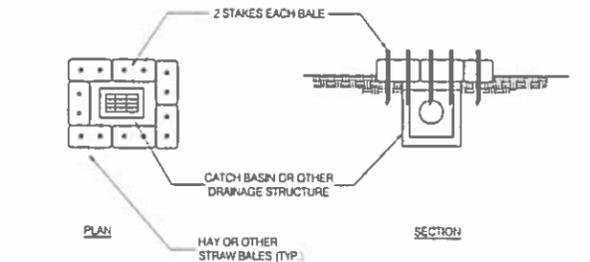
CONSTRUCTION SEQUENCE

	ESTIMATED TIME FRAME
1. INSTALL PERIMETER EROSION AND SEDIMENT CONTROL MEASURES	1 DAY
2. PROCEED WITH CLEARING OF THE SITE, REMOVE EXISTING HOUSE.	1 WEEK
3. FORM PERIMETER BERM USING EXCESS "CUT" MATERIAL, COVER WITH TOPSOIL AND SEED. INSTALL SILT FENCE AND HAYBALES	1 WEEK
4. INSTALL INTERIOR SEDIMENT AND EROSION CONTROL DEVICES AROUND LIMITS OF NEW PARKING LOT.	1 DAY
5. FORM AND COMPACT FINAL SUBGRADE, INSTALL DRAINAGE STRUCTURES AND OTHER BELOW-GRADE IMPROVEMENTS, BUILDING FOUNDATION ETC.	1 MONTH
6. INSTALL ABOVE-GRADE IMPROVEMENTS (I.E. NEW BUILDING), INSTALL BASE MATERIAL	4 MONTH
7. COMPLETE PAVING OF PARKING LOT, INSTALL SIDEWALKS AND CURBS.	2 WEEKS
8. COMPLETE FINAL GRADING/TOPSOIL & SEEDING, STABILIZE ALL GROUND SURFACES.	1 WEEK
9. PERFORM FINAL CLEAN-UP; REPAIR EXISTING EROSION CONTROL FEATURES	1 WEEK
	17 MONTHS TOTAL

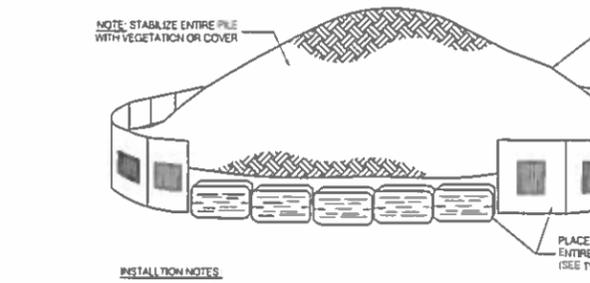
CONTACT PERSON:
MR. JIM FITZPATRICK
PROJECT MGR.
203-543-3292 (MOBILE)



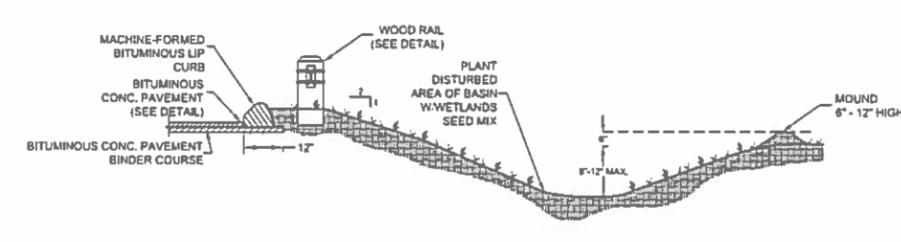
7 ANTI-TRACKING PAD DETAIL
SCALE: N.T.S.



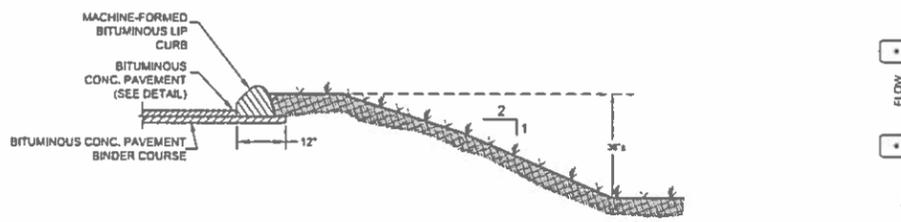
8 HAY BALE DETAIL - CATCH BASIN IN A DEPRESSION - TYPE 'C'
SCALE: N.T.S.



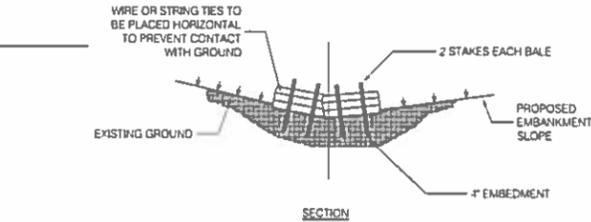
9 TEMPORARY SOIL STOCKPILE
SCALE: N.T.S.



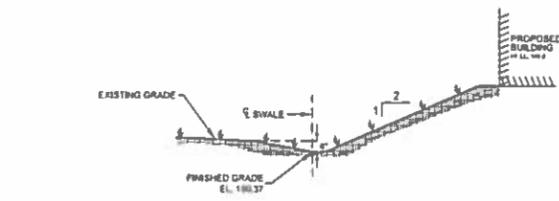
1 SECTION A-A THRU SWALE AND BUILDING
SCALE: N.T.S.



2 SECTION B-B THRU CURB AND WESTERLY SLOPE
SCALE: N.T.S.

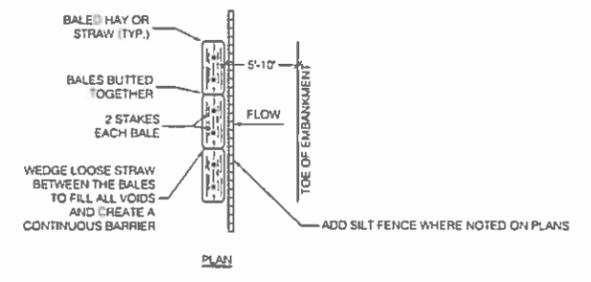


5 HAY BALE DETAIL - SWALE
SCALE: N.T.S.

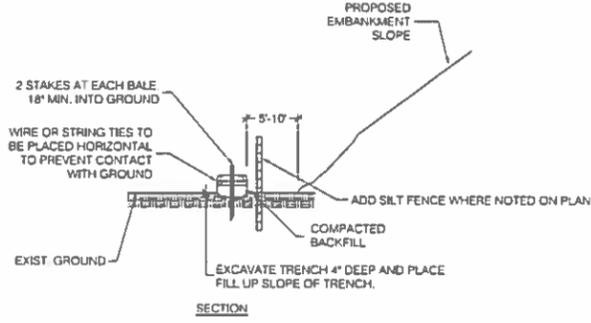


3 SECTION C-C THRU SWALE AND BUILDING
SCALE: N.T.S.

TYPE 'A' - TO BE USED IN LOCATIONS WHERE THE EXISTING GROUND SLOPES IN TOWARD THE TOE OF THE EMBANKMENT. INSTALL AND MAINTAIN THROUGHOUT CONSTRUCTION PERIOD.



4 SILT FENCE DETAIL
SCALE: N.T.S.



6 HAY BALE DETAIL - SLOPE PROTECTION
SCALE: N.T.S.

TO BE USED WHERE THE EXISTING GROUND SLOPES AWAY FROM THE TOE OF THE EMBANKMENT. IT SHALL BE INSTALLED AND MAINTAINED THROUGHOUT CONSTRUCTION PERIOD.

- INSTALLATION NOTES:
1. AREA CHOSEN FOR STOCKPILE OPERATION SHALL BE DRY AND STABLE.
 2. THE GROUND SURFACE SHALL SLOPE AWAY FROM THE STOCK PILE.
 3. IF NECESSARY, PLACE TARP OR IMPERVIOUS MATERIAL BENEATH STOCKPILE TO PREVENT MIXING OF SOIL.
 4. COVER STOCKPILE WITH FABRIC OR VEGETATION AS DIRECTED.
 5. MAX. SLOPE OF STOCKPILE SHALL BE 3:1 (H:V) UNLESS OTHERWISE APPROVED.

REVISIONS:		
No.	DESC.	DATE

PROPOSED DINER
-LOCATED AT-
577 HAWLEY LANE, STRATFORD, CONNECTICUT
-PREPARED FOR-
JAMES FITZPATRICK
577 HAWLEY LANE
STRATFORD, CONNECTICUT 06614

SEAL:

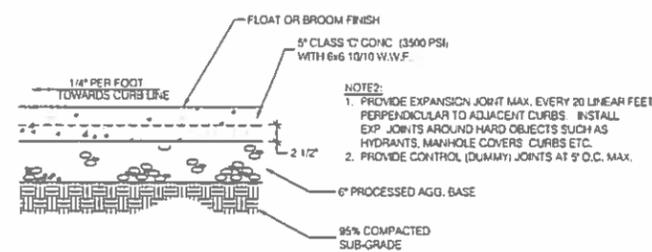
CHRIS A. DeAngelis, PE

SHEET TITLE:
TYPICAL SITE DETAILS

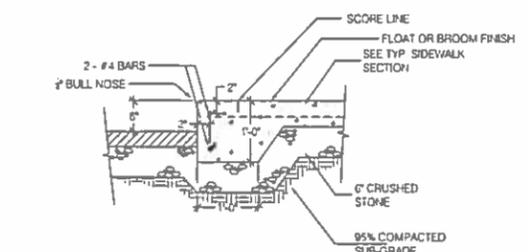
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ISSUE: **PRELIMINARY**
DATE: **21 JUNE 2016**
DWG. No.: **C-04**

SHEET 4 OF 5
SCALE AS SHOWN
DESIGNED: CAD DRAWN BY: TGR CHECKED: CAD

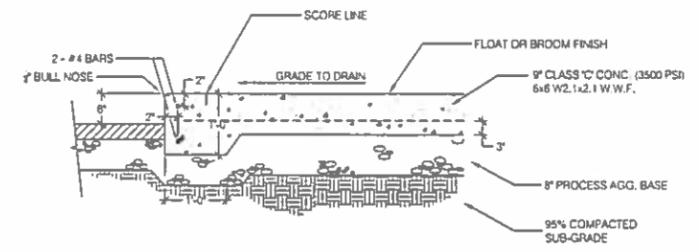
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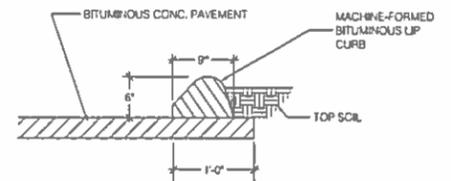
1 CONCRETE SIDEWALK
SCALE: 1" = 1'-0"



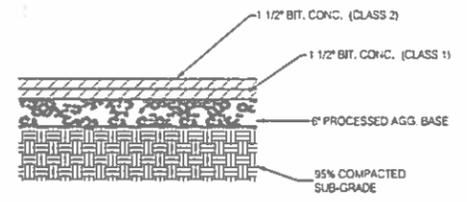
2 MONOLITHIC CONCRETE CURB & WALK
SCALE: 3/4" = 1'-0"



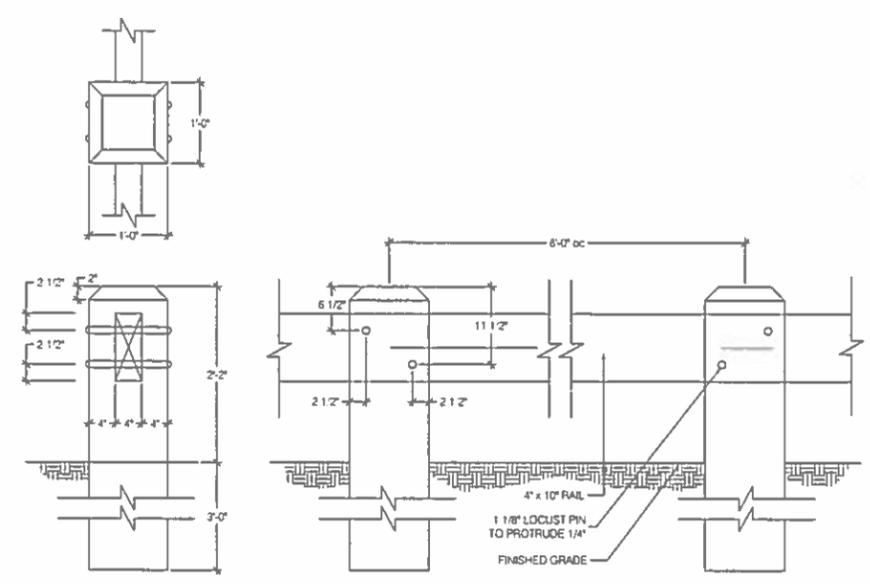
3 CONCRETE DUMPSTER PAD
SCALE: 1" = 1'-0" FILENAME: conc pad



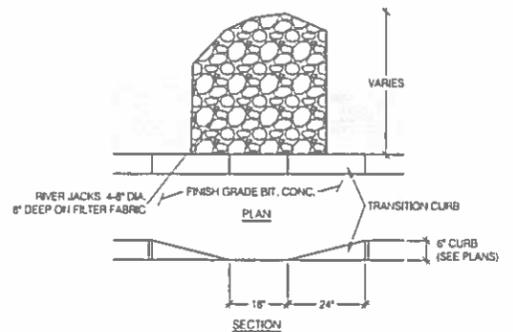
4 BITUMINOUS LIP CURB
SCALE: N.T.S.



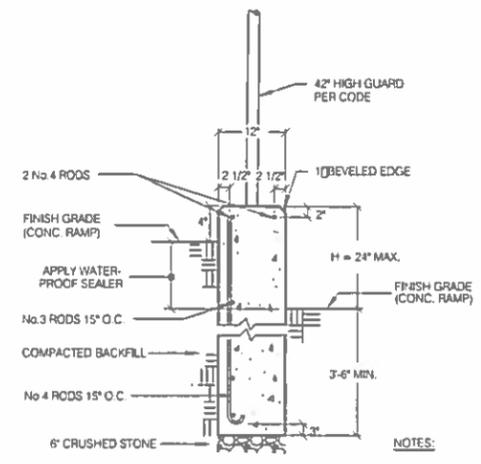
5 BITUMINOUS CONCRETE PAVEMENT
SCALE: 1" = 1'-0"



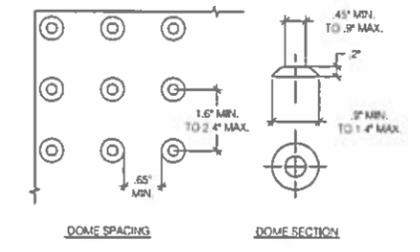
6 WOOD RAIL
SCALE: 1" = 1'-0"



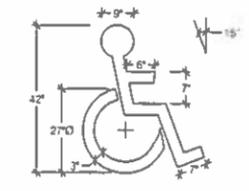
7 RECESSED CURB FOR STORM WATER
SCALE: N.T.S.



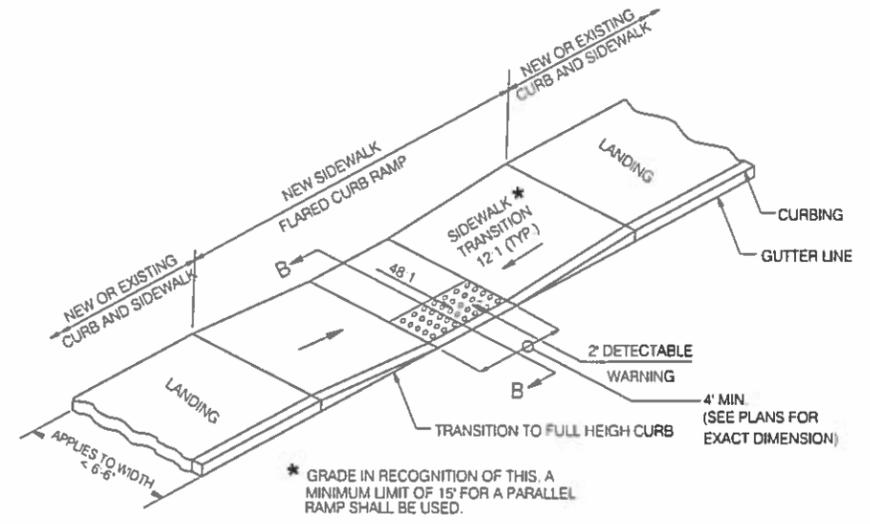
8 CONCRETE RETAINING WALL - TYP. SECTION
SCALE: N.T.S.



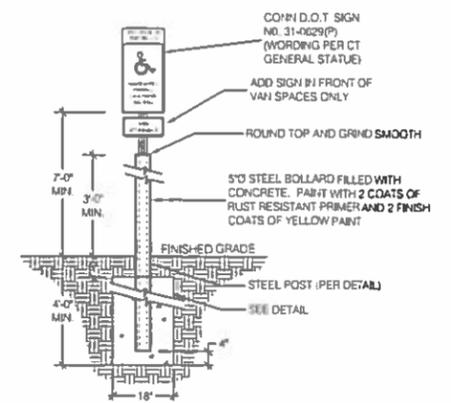
9 DETECTABLE WARNING SURFACE
SCALE: N.T.S.



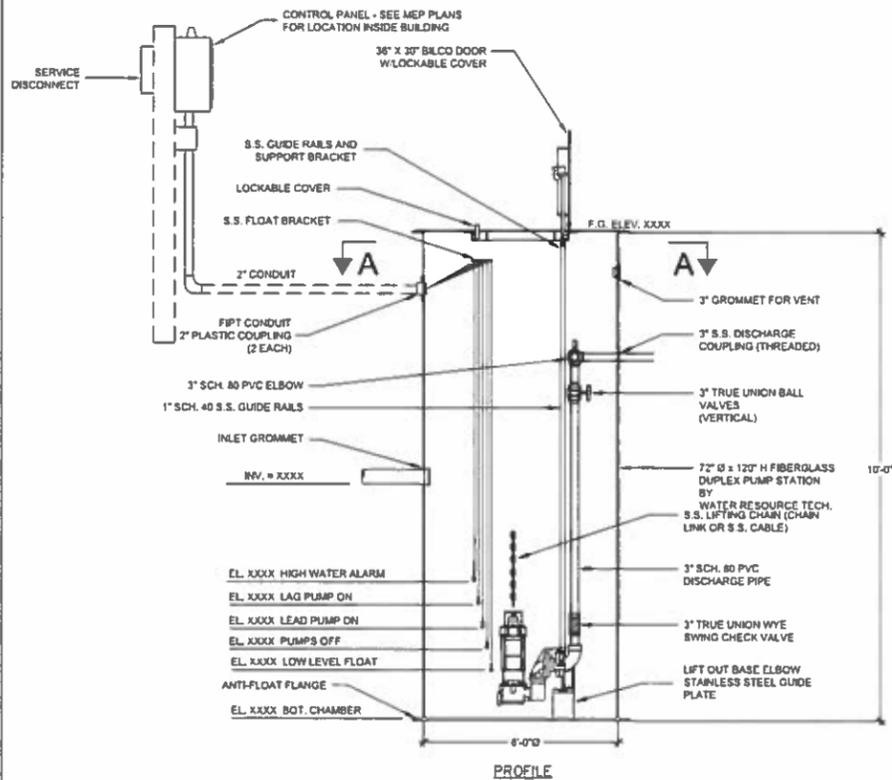
10 HANDICAPPED PARKING SYMBOL
SCALE: 1/4" = 1'-0"



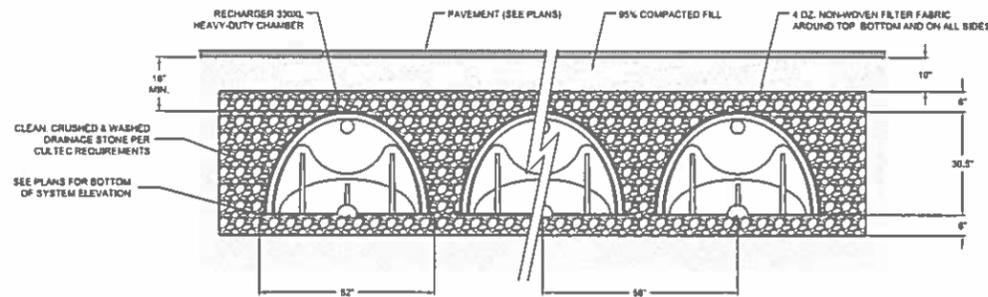
11 PARALLEL SIDEWALK RAMP
SCALE: N.T.S.



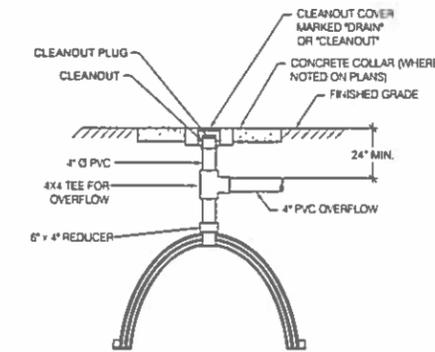
12 TYP. H.C. PARKING SIGN WITH BOLLARD
SCALE: 1/2" = 1'-0"



1 PUMP STATION
SCALE: N.T.S.

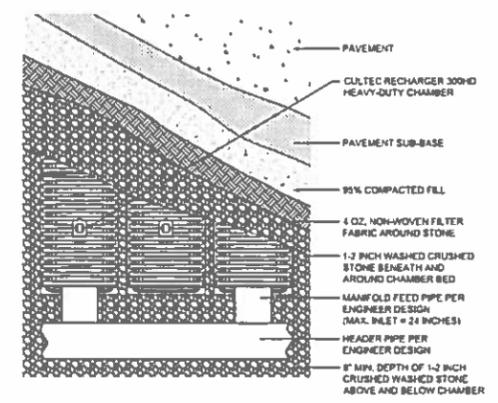


3 CULTEC 300XL - TYPICAL CROSS SECTION
SCALE: N.T.S.

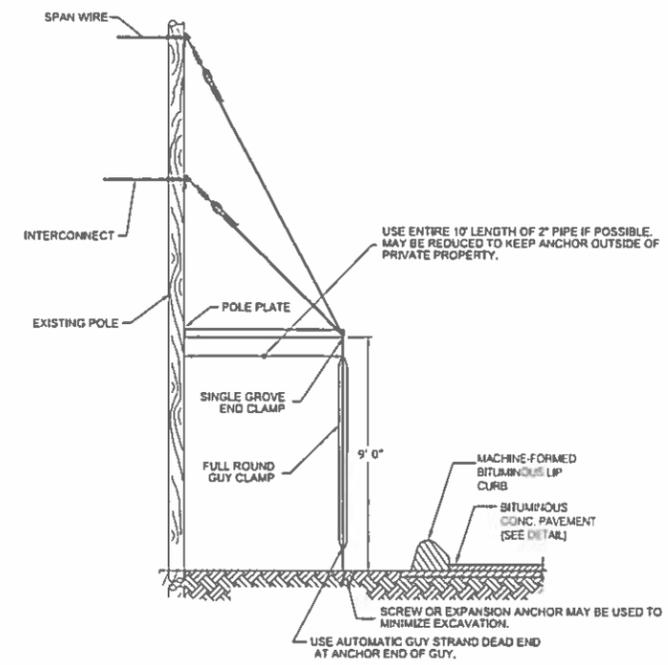


6 TYPICAL CLEANOUT
SCALE: N.T.S.

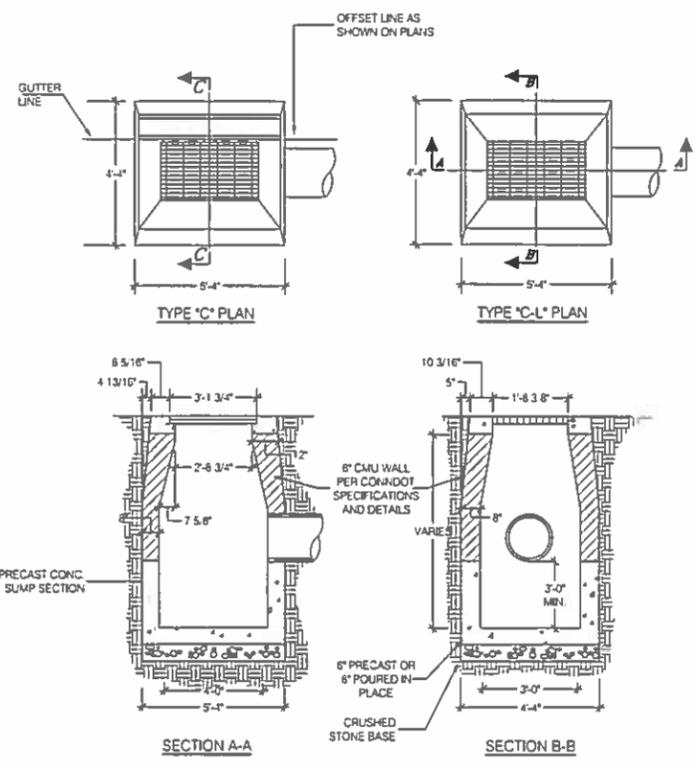
GENERAL NOTES:
 RECHARGER 300XL BY CULTEC, INC. OF BROOKFIELD, CT. STORAGE PROVIDED = 11.33 CF/FT PER DESIGN UNIT. REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
 USE RECHARGER 300XL HEAVY DUTY FOR TRAFFIC AND/OR HD APPLICATIONS.
 ALL RECHARGER 300XL HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
 ALL RECHARGER 300 CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.



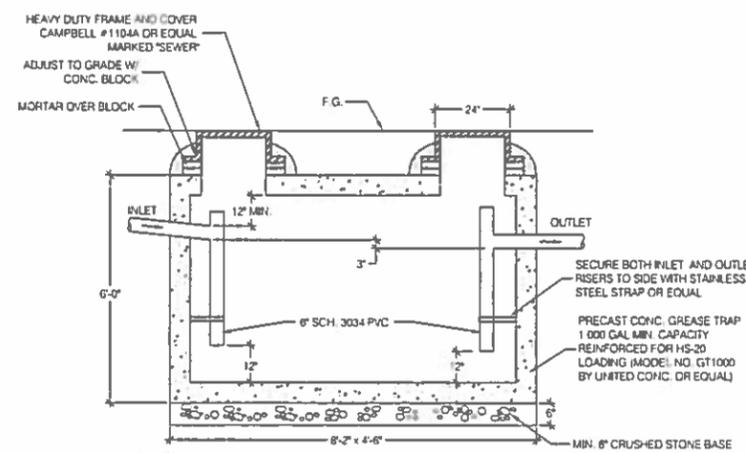
4 CULTEC R300HD - TYPICAL INSTALLATION (PLAN VIEW)
SCALE: N.T.S.



7 GUY WIRE - SIDEWALK SPAN
SCALE: N.T.S.

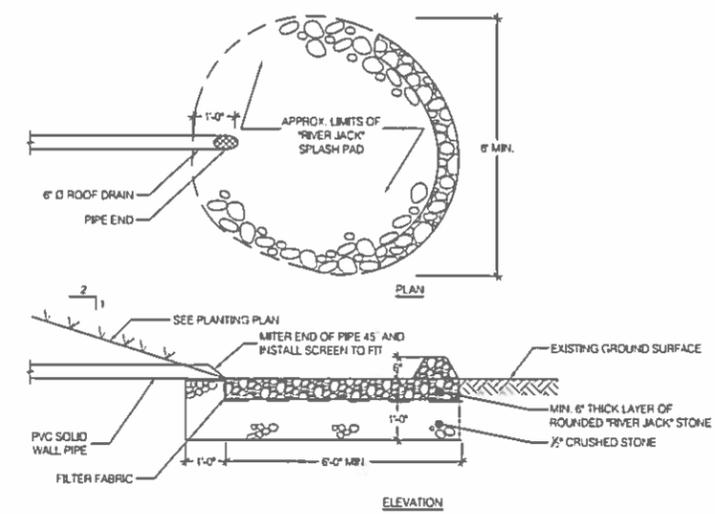


2 TYPICAL CATCH BASIN - TYPE 'C' OR 'C-L'
SCALE: N.T.S.



NOTES:
 1. COAT INTERIOR WITH AN EPOXY SEALANT THAT IS RESISTANT TO GASOLINE, OIL AND SOLVENTS.
 2. COAT EXTERIOR INCLUDING THE EXTERIOR TOP AND BOTTOM AND EXTEND TO GRADE MANHOLE'S WITH WATERPROOF SEALANT.
 3. ALL STRUCTURAL SPANS SHALL BE LOCATED ABOVE THE STATIC LIQUID (FAT) AND GROUTED WITH NON-SHRINKING CEMENT OR SIMILAR MATERIAL COATED WITH A WATERPROOF SEALANT.
 4. VOIDS BETWEEN SEPARATOR WALLS AND INLET AND OUTLET PIPING SHALL BE GROUTED WITH NON-SHRINKING CEMENT AND COATED WITH A WATERPROOF SEALANT.
 5. CONCRETE COVERS SHALL BE PERMANENTLY HELMCLOD.

5 GREASE TRAP
N.T.S.



8 PIPE DISCHARGE ON GROUND SURFACE
NOT TO SCALE

REVISIONS:

No.	DESC.	DATE

PROPOSED DINER
 -LOCATED AT-
577 HAWLEY LANE, STRATFORD, CONNECTICUT
 -PREPARED FOR-
JAMES FITZPATRICK
 577 HAWLEY LANE
 STRATFORD, CONNECTICUT 06614

SEAL:
 CHRIS A. DeANGELIS, PE

SHEET TITLE:
UTILITY & DRAINAGE DETAILS

PROJ. No.: CD694
 ISSUE: PRELIMINARY
 DATE: 21 JUNE 2016
 DWG. No.: C-05

SHEET 5 OF 5
 SCALE: AS SHOWN
 DESIGNED: CAD DRAWN BY: TGR CHECKED: CAD

William Maurer

From: Doug Reich <doug@sollillc.com>
Sent: Thursday, July 21, 2016 4:34 PM
To: William Maurer
Cc: Paul Sobel; Kevin Solli
Subject: 41 Hedgehog

Bill,

On behalf of Paul Sobel, Executor of the Estate of Barbara Joslin, we request the proposed subdivision, as submitted for Planning & Zoning, be reviewed by the WPCA at their next meeting on July 27, 2016.

Plans were delivered to your office for review on July 15, 2016. If you need anything else, please let me know.

Thank you.

Douglas Reich, RLA

Landscape Architect



501 Main Street
Suite 2A
Monroe, CT 06468
Cell: (203) 305-2682
Office: (203) 880-5455
Fax: (203) 880-9695

doug@SolliLLC.com
www.SolliEngineering.com

SOIL EROSION AND SEDIMENT CONTROL NOTES

SOIL EROSION AND SEDIMENT CONTROL MEASURES
 THIS PLAN WAS DEVELOPED TO PROTECT THE EXISTING ROADWAY AND STORM DRAINAGE SYSTEMS, ADJACENT PROPERTIES, AND ANY ADJACENT WETLAND AREA AND WATER COURSE FROM SEDIMENT LADEN SURFACE RUNOFF AND EROSION.

CONSTRUCTION SCHEDULE
 THE ANTICIPATED STARTING DATE FOR CONSTRUCTION IS SEPTEMBER 2014 WITH COMPLETION ANTICIPATED BY THE SEPTEMBER 2017. APPROPRIATE EROSION CONTROL MEASURES AS DESCRIBED HEREIN SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ALL SITE CLEARING OR CONSTRUCTION ACTIVITY. SCHEDULED WORK TO MAINTAIN THE LENGTH OF THIS THAT SHALL BE ENDED.

CONTRACTOR RESPONSIBILITIES
 THE CONTRACTOR SHALL INSTALL ALL SPECIFIED EROSION CONTROL MEASURES AND WILL BE REQUIRED TO MAINTAIN THEM IN THEIR INTENDED FUNCTIONAL CONDITION. THE LAND USE AGENTS OF THE TOWN OF NEWTOWN AND PROJECT ENGINEER SHALL HAVE THE AUTHORITY TO REQUIRE IMPLEMENTATION, MAINTENANCE OR ADDITIONAL MEASURES IF FIELD CONDITIONS ARE ENCOUNTERED BEYOND WHAT WOULD NORMALLY BE ANTICIPATED.

OPERATION AND MAINTENANCE
 ALL EROSION CONTROL MEASURES INCLUDING THE CONSTRUCTION OF TEMPORARY SEDIMENTATION TRAPS AND STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS, WILL BE INSTALLED PRIOR TO THE START OF CLEARING AND GRUBBING OPERATIONS.

- THE CONTRACTOR SHALL TAKE EXTENSIVE CARE DURING CLEARING AND GRUBBING OPERATIONS SO AS NOT TO DISTURB UNPROTECTED WETLAND AREAS OR SEDIMENTATION AND GRUBBING OPERATIONS. ALL AREAS SHALL BE STABILIZED WITH TOPSOIL AND SEEDING OR PROCESSED AGRIAGGREGATE STONE AS PRACTICAL.
- ALL REMOVED INVASIVE PLANT SPECIES MATERIAL SHALL BE FULLY REMOVED FROM THE SITE AND TAKEN TO AN APPROVED AND ACCEPTABLE DISPOSAL LOCATION.

ROUGH GRADING OPERATIONS
 DURING THE REMOVAL AND/OR PLACEMENT OF EARTH AS INDICATED ON THE GRADING PLAN, TOPSOIL SHALL BE STRIPPED AND APPROPRIATELY STOCKPILED FOR REUSE.

- ALL STOCKPILED TOPSOIL SHALL BE SEEDED, MULCHED WITH HAY, AND ENCLOSED BY A SILTATION FENCE.

FILLING OPERATIONS
 PRIOR TO FILLING, ALL SEDIMENTATION AND EROSION CONTROL DEVICES SHALL BE PROPERLY IMPLEMENTED, MAINTAINED AND FULLY INSTALLED AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THIS PLAN.

- AS GENERAL GRADING OPERATIONS PROGRESS, ANY TEMPORARY SEDIMENTATION DEVICES SHALL BE RAISED OR LOWERED, AS NECESSARY, TO DIVERSE SURFACE RUNOFF TO THE DESIGN TRAP.

FINAL GRADING AND PAVING OPERATIONS
 NO CUT OR FILL SLOPES SHALL EXCEED 2:1 EXCEPT WHERE STABILIZED BY ROCK FACED EMBANKMENTS OR EROSION CONTROL BLANKETS, MATS AND VEGETATION. ALL SLOPES SHALL BE SEEDED, AND ANY ROAD OR DRIVEWAY SHOULDERS AND BANKS SHALL BE STABILIZED IMMEDIATELY UPON COMPLETION OF FINAL GRADING. VEGETATION SHALL BE ESTABLISHED.

- PAYMENT SUB-BASE AND BASE COURSES SHALL BE INSTALLED OVER AREAS TO BE PAVED AS SOON AS FINAL SUB-CRADES ARE ESTABLISHED AND UNDERGROUND UTILITIES AND STORM DRAINAGE SYSTEMS HAVE BEEN INSTALLED.
- AFTER CONSTRUCTION OF PAVEMENT, TOPSOIL, FINAL SEED, MULCH AND LANDSCAPING REMOVE ALL TEMPORARY EROSION CONTROL DEVICES ONLY AFTER ALL AREAS HAVE BEEN SEEDED AND MULCH HAS BEEN WELL ESTABLISHED AND THE SITE HAS BEEN INSPECTED AND APPROVED BY THE TOWN OF NEWTOWN, SOUTHERN CONNECTICUT SOIL CONSERVATION DISTRICT, TOWN OF NEWTOWN ISLAND WETLANDS COMMISSION.

SITE PLAN NOTES

- SURVEY DATA TAKEN FROM A PLAN ENTITLED "ZONING LOCATION SURVEY OF 41 HEDGEHOG ROAD, TRUMBULL, CONNECTICUT," DATED 05/23/2014, SCALE: 1" = 30', BY ACCURATE LAND SURVEYING, L.L.C. TRUMBULL, CONNECTICUT. THE OWNER IS RESPONSIBLE FOR OBTAINING ALL NECESSARY ZONING PERMITS REQUIRED BY TOWN OF TRUMBULL PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL POST ALL BORDERS, PAY ALL FEES, PROVIDE PROOF OF INSURANCE AND PROVIDE TRAFFIC CONTROL NECESSARY FOR THIS WORK.
- THE CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS IN THE FIELD AND CONTACT THE CIVIL ENGINEER IF THERE ARE ANY QUESTIONS OR CONFLICTS REGARDING THE CONSTRUCTION DOCUMENTS AND/OR FIELD CONDITIONS.
- THE CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT DIMENSIONS AND CONSTRUCTION DETAILS OF BUILDING.
- IF ANY UNCHARTERED OR INCOMPLETELY CHARTERED EXISTING PIPES OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE CIVIL ENGINEER IMMEDIATELY FOR DIRECTION BEFORE PROCEEDING FURTHER WITH WORK.
- ALL SITE DIMENSIONS ARE REFERENCED TO THE FACE OF CURBS OR EDGE OF PAVING AS APPLICABLE UNLESS OTHERWISE NOTED. ALL BUILDING DIMENSIONS ARE REFERENCED TO THE OUTSIDE FACE OF THE STRUCTURE.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TRAFFIC DEVICES FOR PROTECTION OF VEHICLES AND PEDESTRIANS CONSISTING OF CONES, BARRIERS, SIGNS, LIGHTS, FENCES, TRAFFIC CONTROLLERS AND UNIFORMED TRAFFIC OFFICERS AS REQUIRED OR AS ORDERED BY THE ENGINEER OR AS REQUIRED BY THE LOCAL GOVERNING AUTHORITY OR AS REQUIRED BY PERMIT STIPULATIONS.
- THE CONTRACTOR SHALL ABIDE BY ALL OSHA FEDERAL STATE AND LOCAL REGULATIONS WHEN OPERATING CRANES, BOOMS, HORSES, ETC. IN CLOSE PROXIMITY TO OVERHEAD ELECTRIC LINES. IF CONTRACTOR MUST OPERATE EQUIPMENT CLOSE TO ELECTRIC LINES, CONTACT POWER COMPANY TO MAKE ARRANGEMENTS FOR PROPER SAFEGUARDING. ANY UTILITY COMPANY FEES SHALL BE PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL RESTORE ANY DRAINAGE STRUCTURE, PIPE, UTILITY, PAVEMENT, CURBS, SIDEWALKS, LANDSCAPED AREAS OR SIGNAGE DISTURBED DURING CONSTRUCTION TO THEIR ORIGINAL CONDITION OR BETTER, AS APPROVED BY THE CIVIL ENGINEER.
- THE ARCHITECT AND ENGINEER ARE NOT RESPONSIBLE FOR SITE SAFETY MEASURES TO BE EMPLOYED DURING CONSTRUCTION. THE ARCHITECT AND ENGINEER HAVE NO CONTRACTUAL DUTY TO CONTROL THE SAFETY METHODS OR MEANS OF THE WORK. THE JOB SITE RESPONSIBILITY, SUPERVISION OR TO SUPERVISE SAFETY AND DOES NOT VOLUNTARILY ASSUME ANY SUCH DUTY OR RESPONSIBILITY. ALTERNATIVE METHODS AND PRODUCTS OTHER THAN THOSE SPECIFIED MAY BE USED IF REVIEWED AND APPROVED BY THE OWNER, CIVIL ENGINEER, AND APPROPRIATE REGULATORY AGENCY PRIOR TO INSTALLATION.
- INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.
- THESE PLANS ARE FOR PERMITTING PURPOSES ONLY AND ARE NOT FOR CONSTRUCTION.
- NO CONSTRUCTION OR DEMOLITION SHALL BEGIN UNTIL APPROVAL OF THE FINAL PLANS IS GRANTED BY ALL GOVERNING AND REGULATORY AGENCIES.
- PORTIONS OF THIS PROJECT ARE LOCATED WITHIN A FEMA DESIGNATED FLOOD HAZARD AREA (SEE SURVEY FOR MORE INFORMATION).
- WETLANDS WERE DELINEATED AND FLAGGED BY CYNTHIA RABINOWITZ, SOIL SCIENTIST ON APRIL 14, 2014. WETLAND PLANS WERE SURVEYED BY ACCURATE LAND SURVEYING, L.L.C. APRIL 17, 2014.

GRADING, DRAINAGE, & UTILITY NOTES

- FIELD ANY UNCHARTERED OR INCOMPLETELY CHARTERED EXISTING PIPES OR OTHER UTILITY BE UNCOVERED DURING EXCAVATION, CONSULT THE CIVIL ENGINEER IMMEDIATELY FOR DIRECTION BEFORE PROCEEDING FURTHER WITH WORK.
- INFORMATION ON EXISTING UTILITIES AND STORM DRAINAGE SYSTEMS HAS BEEN COMPILED FROM AVAILABLE INFORMATION INCLUDING UTILITY PROVIDER AND MUNICIPAL RECORD MAPS AND/OR FIELD SURVEY AND IS NOT GUARANTEED CORRECT OR COMPLETE. UTILITIES AND STORM DRAINAGE SYSTEMS ARE SHOWN TO ALERT THE CONTRACTOR TO THEIR PRESENCE AND THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL LOCATIONS AND ELEVATIONS OF ALL UTILITIES AND STORM DRAINAGE SYSTEMS INCLUDING SERVICES. PRIOR TO DEMOLITION OR CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "CALL BEFORE YOU DIG" 72 HOURS BEFORE COMMENCEMENT OF WORK AND VERIFY ALL UTILITY AND STORM DRAINAGE SYSTEM LOCATIONS.

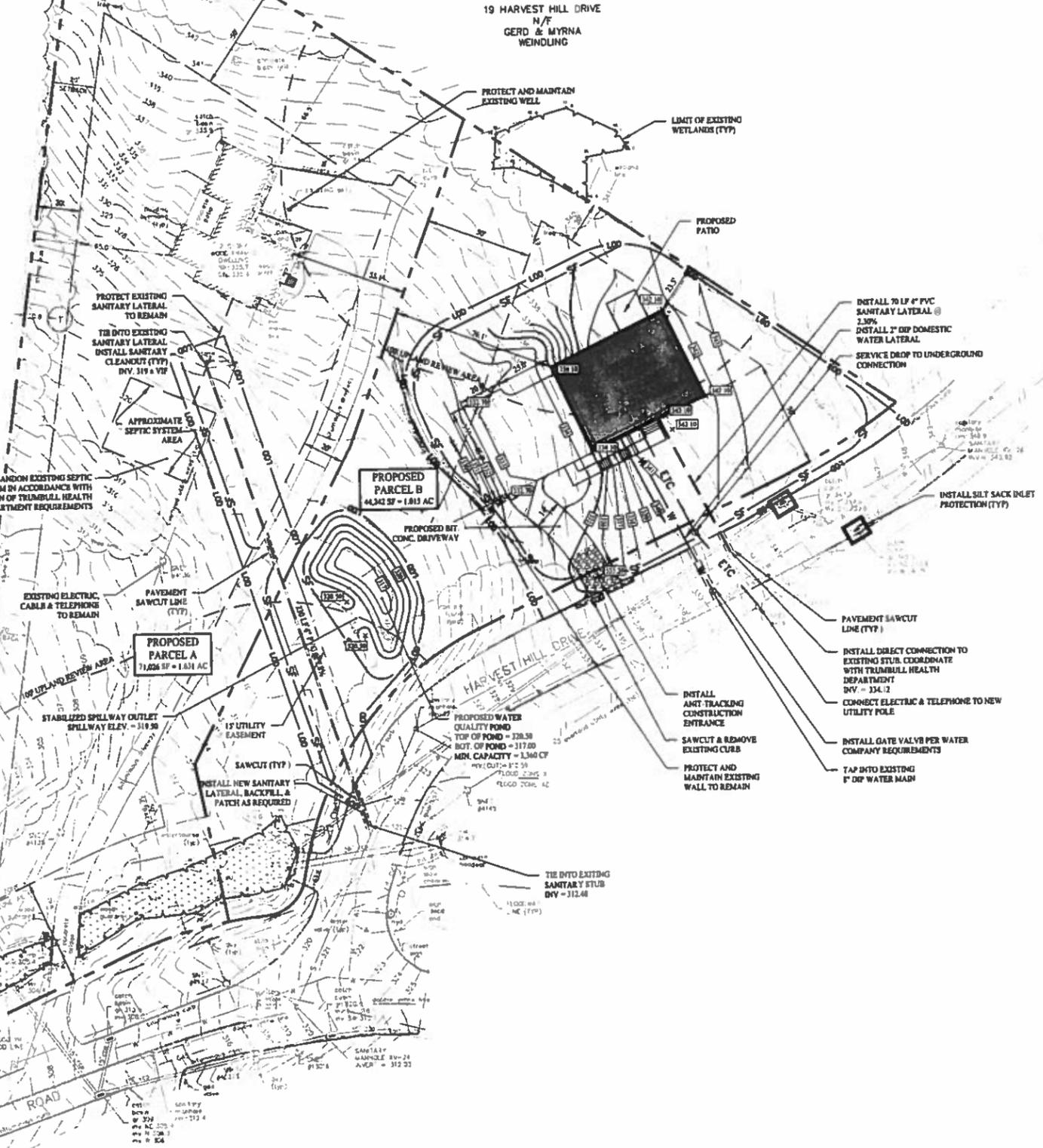
- INSTALLATION OF SEDIMENTATION AND EROSION CONTROL MEASURES
 - SILTATION FENCE:**
 - DO A SIX INCH TRENCH ON THE UPHILL SIDE OF THE DESIGNATED FENCE LINE LOCATION.
 - POSITION THE POST AT THE BACK OF THE TRENCH (DOWNHILL SIDE) AND HAMMER THE POST AT LEAST 1.5 FEET INTO THE GROUND.
 - LAY THE BOTTOM SIX INCHES OF THE FABRIC INTO THE TRENCH TO PREVENT UNDERMINING BY STORM WATER RUN-OFF.
 - BACKFILL THE TRENCH AND COMPACT.
 - HAY BALES:**
 - BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PARALLEL TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
 - BALES SHALL BE ENTRENCHED AND BACKFILLED. A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM OF FOUR INCHES. AFTER THE BALES ARE STAKED, THE EXCAVATED TRENCH SHALL BE BACKFILLED AGAINST THE BARRIER.
 - EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO CH STAPLES.
 - THE GAPS BETWEEN BALES SHALL BE WIDGED WITH STAPLES TO PREVENT WATER LEAKAGE.
 - THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE, TO ENSURE THAT RUN-OFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER, BUT NOT AROUND IT.
- OPERATION AND MAINTENANCE OF SEDIMENTATION AND EROSION CONTROL MEASURES**
- SILTATION FENCE:**
 - ALL SILTATION FENCES SHALL BE INSPECTED AS A MINIMUM WEEKLY OR AFTER EACH RAINFALL. ALL DISTURBED AREAS AND DAMAGED PORTS SHALL BE REPLACED AND PROPERLY REFORMED IN ACCORDANCE WITH THIS PLAN.
 - SEDIMENT DEPOSITS SHALL BE REMOVED FROM BEHIND THE FENCE WHEN THEY EXCEED A HEIGHT OF ONE FOOT.
 - TEMPORARY PERMANENT DRAINAGE SWALES:**
 - SWALES SHALL BE INSPECTED FOLLOWING EACH RAINFALL. REPAIR OF ANY WASHED OUT OR ERODED SWALES SHALL BE MADE PROMPTLY AND THE AREA SHALL BE RESEDED AS NECESSARY.
 - SEDIMENT CONTROL BLANKETS MAY BE USED TO REPAIR ERODED SWALES AS DIRECTED BY THE ENGINEER OR TOWN OF NEWTOWN AGENT.
- EROSION AND SEDIMENT CONTROL PLAN**
- CATCH BASINS WILL BE PROTECTED WITH HAY BALE FILTERS, SILT SACKS, SILTATION FENCE, OR OTHER SUITABLE PROTECTION DEVICES PER DETAIL. THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE TEMPORARILY STABILIZED.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL MANUAL, LATEST EDITION.
 - EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE.
 - ALL CONTROL MEASURES WILL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD.
 - ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF NECESSARY OR REQUIRED OR AS DIRECTED BY THE CIVIL ENGINEER OR BY LOCAL GOVERNING OFFICIALS.
 - SEDIMENT REMOVED FROM EXISTING STRUCTURES WILL BE DEPOSITED IN A MANNER WHICH IS CONSISTENT WITH THE INTENT AND REQUIREMENTS OF THE EROSION CONTROL PLAN, NOTES, AND DETAILS.
 - THE OWNER IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INCLUDING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THIS PLAN.
- SEDIMENT AND EROSION CONTROL NOTES**
- THE OWNER IS RESPONSIBLE FOR IMPLEMENTING THE SEDIMENT AND EROSION CONTROL MEASURES. RESPONSIBILITY INCLUDES THE PROPER INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES THROUGHOUT THE CONSTRUCTION PERIOD AND UNTIL ALL DISTURBED AREAS ARE TEMPORARILY STABILIZED. PLAN IF THE TITLE TO THE LAND IS TRANSFERRED.
 - THE CONTRACTOR SHALL CONSTRUCT ALL SEDIMENT AND EROSION CONTROLS IN ACCORDANCE WITH THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, PREPARED BY CTDEEP, LATEST EDITION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, AND AS ORDERED BY THE TOWN OF NEWTOWN.
 - ADDITIONAL AND/OR ALTERNATIVE SEDIMENT AND EROSION CONTROL MEASURES MAY BE INSTALLED DURING THE CONSTRUCTION PERIOD IF FOUND NECESSARY BY THE CONTRACTOR, OWNER, CIVIL ENGINEER, TOWN OF NEWTOWN, SOUTHERN CONNECTICUT SOIL CONSERVATION DISTRICT, TOWN OF NEWTOWN ISLAND WETLANDS COMMISSION, OR GOVERNING AGENCIES. THE CONTRACTOR SHALL CONTACT THE OWNER AND APPROPRIATE GOVERNING AGENCIES FOR APPROVAL OF ALTERNATIVE CONTROLS OTHER THAN THOSE SHOWN ON THIS PLAN AND AS PROPOSED.
 - STONE CONSTRUCTION ENTRANCE ANTI-TRACKING PADS SHALL BE INSTALLED AT START OF CONSTRUCTION AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. THE LOCATION OF THE TRACKING PAD MAY CHANGE AS VARIOUS PHASES OF CONSTRUCTION ARE COMPLETED.
 - TOPSOIL SHALL BE STRIPPED AND STOCKPILED FOR USE IN FINAL LANDSCAPING. ALL EARTH STOCKPILES SHALL HAVE HAY BALES OR SILT FENCE AROUND THE LIMIT OF PILE. PILES SHALL BE TEMPORARILY SEEDED OR MULCH TO REMAIN IN PLACE FOR MORE THAN 7 DAYS.
 - REMOVE LAND DISTURBANCES. SEED AND MULCH OR DISTURBED AREAS WITH TEMPORARY MIX AS SOON AS PRACTICAL. USE OF MAXIMUM UNSTABILIZED PERIOD USING PERENNIAL BTGRASS AT 40 LBS PER ACRE. MULCH ALL CUT AND FILL SLOPES AND SWALES WITH LOOSE HAY AT A RATE OF 2 TONS PER ACRE. IF NECESSARY, REPLACE LOOSE HAY OR BLOWS WITH EROSION CONTROL BLANKETS OR SITE CLIPS. MODERATELY GRADED AREAS, ISLANDS, AND TEMPORARY CONSTRUCTION STAGING AREAS MAY BE HYDROSEEDING WITH TACKLEF.
 - EXCAVATED MATERIAL FROM TEMPORARY SILT TRAPS MUST BE STOCKPILED ON UPHILL SIDE OF SILT FENCE.
 - INSTALL SILT FENCE ACCORDING TO MANUFACTURER'S INSTRUCTIONS. PARTICULARLY, BURY LOWER EDGE OF FABRIC INTO GROUND. SILT FENCE SHALL BE INSTALLED ENDS/ENDS. AMONG SILT STOP OR EQUIVALENT APPROVED BY THE CIVIL ENGINEER. FILTER FABRIC USED SHALL BE MESH 100 OR EQUIVALENT. SEE SPECIFICATIONS FOR FURTHER INFORMATION.
 - SWEEP AFFECTED PORTIONS OF OFF SITE ROADS ONE OR MORE TIMES A DAY, OR LESS FREQUENTLY IF TRACKING IS NOT A PROBLEM DURING CONSTRUCTION. OTHER DUST CONTROL MEASURES TO BE USED AS NECESSARY INCLUDE WATERING DOWN DISTURBED AREAS, USING CALCIUM CHLORIDE, AND COVERING LOADS ON DUMP TRUCKS.
 - MAINTAIN ALL PERMANENT AND TEMPORARY SEDIMENT CONTROL DEVICES IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. UPON COMPLETION OF WORK, SWEEP PAVING LOT AND REMOVE ALL TEMPORARY SEDIMENT CONTROLS WHEN AUTHORIZED BY LOCAL GOVERNING AUTHORITY. FILE NOTIICE OF TERMINATION WITH GOVERNING AUTHORITY RESPONSIBLE FOR REGULATING STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES PER WORK.

AREA	PARCEL A (AC)	PARCEL B (AC)	TOTAL (ACRES)
LOT AREA	1.63a	1.81a	2.44a
WATERCOURSE ON LOT	0.05 a	0.02 a	0.07 a
UPLAND REVIEW AREA ON LOT	0.54 a	0.49 a	1.03 a
WATERCOURSE TO BE ALTERED	0	0	0
UPLAND REVIEW AREA TO BE ALTERED	0	0.16a	0.16a
TOTAL REGULATED AREA TO BE ALTERED	0	0.16a	0.16a

ZONING REQUIREMENT	ZONING STANDARD	EXISTING CONDITIONS	PROPOSED PARCEL A	PROPOSED PARCEL B
MINIMUM LOT AREA	1.0 AC	2.44 AC	1.63 AC	1.81 AC
MINIMUM ROAD FRONTAGE	120 FT	131 FT	131 FT	137 FT
MINIMUM FLOOR AREA				
1 STORY 1ST FLOOR / 2ND FLOOR	1400 SF / N/A	N/A / N/A	N/A / N/A	N/A / N/A
1.5 STORIES 1ST FLOOR / 2ND FLOOR	1150 SF / 100 SF	N/A / N/A	N/A / N/A	N/A / N/A
2 STORIES 1ST FLOOR / 2ND FLOOR	1600 SF / 300 SF	2,088 SF / 2,088 SF	2,088 SF / 2,088 SF	2,700 / 2,700
MAXIMUM BUILDING HEIGHT	40 FT (GROUND)	2 STORIES	2 STORIES	2 STORIES
MINIMUM FRONT YARD	30 FT	29.3 FT	29.3 FT	30.0 FT
MINIMUM SIDE YARD	30 FT	63.0 FT	33.1 FT	23.3 FT
MINIMUM REAR YARD	30 FT	64.7 FT	46.3 FT	36.1 FT
MAXIMUM GROUND AREA RATIO (PRINCIPAL BUILDING)	0.25	0.03	0.07	0.12

LEGEND

- PROPERTY LINE
- - - - - BUILDING SETBACK
- ~ ~ ~ ~ ~ LIMIT OF TREE CLEARING
- ROCK WALL
- EDGE OF PAVEMENT
- BITUMINOUS CONCRETE CURB
- BUILDING LIMITS
- LIMIT OF DISTURBANCE
- SAWCUT PAVEMENT LINE
- SILT FENCE
- SILT FENCE WITH HAYBALE BACKING
- STORMWATER BASIN OR RAIN GARDEN AREA
- MAJOR CONTOURS
- MINOR CONTOURS
- EXISTING MAJOR CONTOURS
- EXISTING MINOR CONTOURS
- SPOT ELEVATION
- GRADE TO DRAIN
- SWALE
- WATER MAIN / LATERAL
- GAS LINE
- UNDERGROUND ELECTRIC, TELEPHONE AND CABLE LINES
- SANITARY SEWER PIPE
- UTILITY BASEMENT
- CATCH BASIN
- WATER VALVE
- GAS METER
- UTILITY POLE
- LIMIT OF WETLANDS
- LIMIT OF UPLAND REVIEW AREA



Rev. #	Date	Description
2	7/15/16	Storm Drainage
1	7/01/16	Revised Easement and Sanitary

Graphic Scale: 0 30 60

SOLLI ENGINEERING
 50 Main Street, Meriden, CT 06440 T: (203) 235-5415 F: (203) 235-4993

Drawn By: PSK
 Checked By: DRB
 Approved By: KAS
 Project #: 1602001
 Plan Date: 06/21/16
 Scale: 1" = 30'

Project: **PROPOSED SUBDIVISION OF 41 HEDGEHOG ROAD TRUMBULL, CT**

Sheet Title: **SITE, GRADING, DRAINAGE, & UTILITY PLAN**

Sheet #: **2.11**



OWENS, SCHINE & NICOLA, P.C.
ATTORNEYS AND COUNSELORS AT LAW

Founded 1928

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EDWARD SCHINE (1928-1983)

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ROBERT J. BERTA - OF COUNSEL

*ALSO ADMITTED IN NY

RETAINER AGREEMENT

CLIENT: Town of Trumbull

DATE: July ____, 2016

FILE & MATTER NO: St. Joseph's Manor v. Town of Trumbull WPCA

This Retainer Agreement sets forth the agreement between us, Owens, Schine & Nicola, P.C., and the Town of Trumbull WPCA, (Hereinafter "Town") concerning the matter referenced above.

1. The Town has agreed to pay us \$ 0.00 as an initial retainer in this matter.
2. Owens, Schine & Nicola, P.C.'s fee is based upon the amount of time we devote to the Town's case. Other professionals in this office will likely perform services on the Town's case other than the specific attorney retained. We use a "team approach" with one lead attorney. Owens, Schine & Nicola, P.C. will use our best judgment to determine the most economical use of its attorneys and staff personnel. Billed time includes all time spent on the Town's case including conferences, telephone calls, pretrial discovery of data, arbitration preparation, drafting of documents, correspondence and pleadings, negotiations, legal research, arbitration time and travel to and from locations away from our office. The Town is not billed for secretarial time, but there is a charge for the time of our legal assistants.
3. OWENS, SCHINE & NICOLA, P.C. DO NOT REPRESENT CLIENTS ON A FIXED FEE BASIS. Any figures Owens, Schine & Nicola, P.C. quotes the Town concerning the total costs of our services are merely estimates. Any numbers

mentioned to the Town are mere estimates of possible ranges based on anticipated occurrences; they cannot be relied upon as an estimate of the Town's total fee and cost exposure.

4. The Town will receive an itemized bill on a regular periodic basis. It is based upon hourly rates presently ranging from \$125 to \$335 per hour for legal assistant, law clerk, and attorney time. Current rates are as follows:

Senior Attorneys	\$350.00
Associates	\$250.00 to \$325.00
Paralegals	\$135.00
Law Clerks	\$125.00

As a professional courtesy, the above rates have been discounted as follows:

Senior Attorneys	\$ 200.00
Associates	\$ 200.00
Paralegals	\$ 100.00
Law Clerks	\$ 100.00

Owens, Schine & Nicola, P.C. billing rates may change. If the hourly rates change, the Town will be notified at least 30 days before the change takes effect. Time is billed by one-tenth of an hour, which is the minimum time charged for any service. Other personnel may be used and billed at different rates. The itemized billings will identify personnel and their rates. If the Town has questions in this regard, please ask us.

5. **In addition, the Town will be responsible for all costs which we may incur on its behalf.** These costs include filing fees, service of process fees, depositions, appraisals, witness fees and fees for accountants, counselors, other experts and other costs. We will discuss retention of experts with Town prior to their retention. By this agreement the Town is appointing us as its agent to make the expenditures and retain such experts for such amounts as we determine to be in its best interest in our representation of the Town. Owens, Schine & Nicola, P.C. may advance these costs or it may, at its discretion, require the Town to deposit sufficient sums with us before the fee is paid or the expert is retained. The Town may be required to pay any expert directly. Experts, who are retained, whether by Owens, Schine & Nicola, P.C. on Town behalf or directly by the Town, frequently bill us for their services. An attorney may be ethically required to pay experts who render services in a case. Owens, Schine & Nicola, P.C., therefore, will pay all expert's bills upon receipt of cash or other liquid assets as part of settlement or final resolution of the Town's case, unless the Town directs otherwise in writing. If Owens, Schine & Nicola, P.C. is forced to pay an expert on the Town's behalf, the Town will reimburse this firm in total for that payment.

The Town also hereby authorized Owens, Schine & Nicola, P.C. to hire outside legal counsel if circumstances change which require the services of more specialized

counsel. We will discuss retention of outside counsel with the Town prior to their retention. The Town will be solely responsible for any and all fees, costs and expenses of such counsel and such fees, costs and expenses shall be billed directly to the Town by the retained counsel. If Owens, Schine & Nicola, P.C. is forced to pay the retained counsel on the Town's behalf, the Town will reimburse this firm in total for that payment.

6. The Town will receive a periodic bill from us, usually monthly, itemizing the time and costs charged to the Town's account for that period. The itemization includes only brief references to our activity on the matter; Owens, Schine & Nicola, P.C. does not itemize all specific services rendered on a particular date. Town must contact us in writing within 30 days of receipt of its periodic bill if it has a question or complaint regarding any charges on the statement. If we do not hear from Town, we will assume that there are no questions or problems.

7. Upon termination of our relationship for any reasons, if you request that we transfer our file(s) to you or to a third party, you agree to reimburse us for our costs in copying such file(s) at a charge of .15 cents per page in addition to a per hour file review and retrieval fee of \$40.00/hr.

8. All balances on the Town's account are due 25 days after the date of the statement. If Town does not pay the account when due, we have the right at our discretion to withdraw from Town's case. Interest at the legal rate is owing on unpaid balances, computed from the due date. The monthly billing statement we render must be paid in full. If Town is unable to pay a particular statement in full, it is imperative that Town contact us immediately upon receipt of the statement. In all events, a monthly payment on the account will be required. In the event an agreement is not reached or payment is not received when due, we retain the right to withdraw as counsel.

9. We also have the right, at our discretion, to withdraw from the Town's case if it has misrepresented or failed to disclose material facts to us, if Town failed to follow our advice or cooperate or for any other valid reason. Likewise, Town may discharge us at any time for any reason. Town will be required to pay Town's bill in full before we are obligated to turn over the file(s) and other information to Town or substitute counsel. The Town also agrees to pay for the time expended and the costs incurred if we must proceed to court to obtain permission to withdraw.

10. We may require the Town, at our discretion, to pay an additional retainer or retainers or provide other security for our fees and costs. If any retainer held exceeds the amount of the final bill, we will refund the difference to the Town. If it is insufficient to pay the total reflected on the final bill, Town agrees to immediately pay the balance owing.

11. Should Town receive any cash property settlements as part of Town's case, Town agrees to have these monies deposited into our trust account. The Town gives us the authority to pay any balance due us out of these monies before transferring the balance to Town, unless otherwise agreed prior to receipt of these funds. We are to be paid in full on or before transfer of any property to Town.

12. The Town acknowledges that we have made no guarantees regarding the disposition of any phase of Town's case. All our expressions relative to Town's case are only our opinions.

13. Should we be required to bring suit or otherwise expend time trying to collect the amounts due us under this agreement, Town agrees to be responsible for our court and other costs and reasonable attorney's fees, including payment of our normal hourly rates if we represent ourselves.

14. This agreement contains all of the terms of our financial arrangements with Town and can be modified by a written document signed by both parties.

15. Town acknowledges receiving a duly executed duplicate original of this agreement.

16. Pursuant to firm policy, all client files will be automatically destroyed without notice six (6) years after the completion of the matter unless the firm receives a written request for the file from the client at least thirty (30) days prior to the scheduled destruction date. All requests for files must be addressed and forwarded to the firm's Administrator.

PLEASE NOTE: This is a legal, binding contract between the Town and Owens, Schine & Nicola, P.C. Before signing it, please read it carefully and be sure the Town understands all of the contents.

OWENS, SCHINE & NICOLA, P.C.

BY: _____
Print: Dennis J. Kokenos, its Member,
Duly Authorized

READ, APPROVED AND ACCEPTED
Town of Trumbull WPCA

BY _____
PRINT: Jeffrey Wright
ITS: Chairman

Date

READ, APPROVED AND ACCEPTED
Town of Trumbull

BY _____
PRINT: Maria Pires
ITS: Director of Finance

Date

Owens, Schine & Nicola, P.C. complies with Public Act No. 08-167