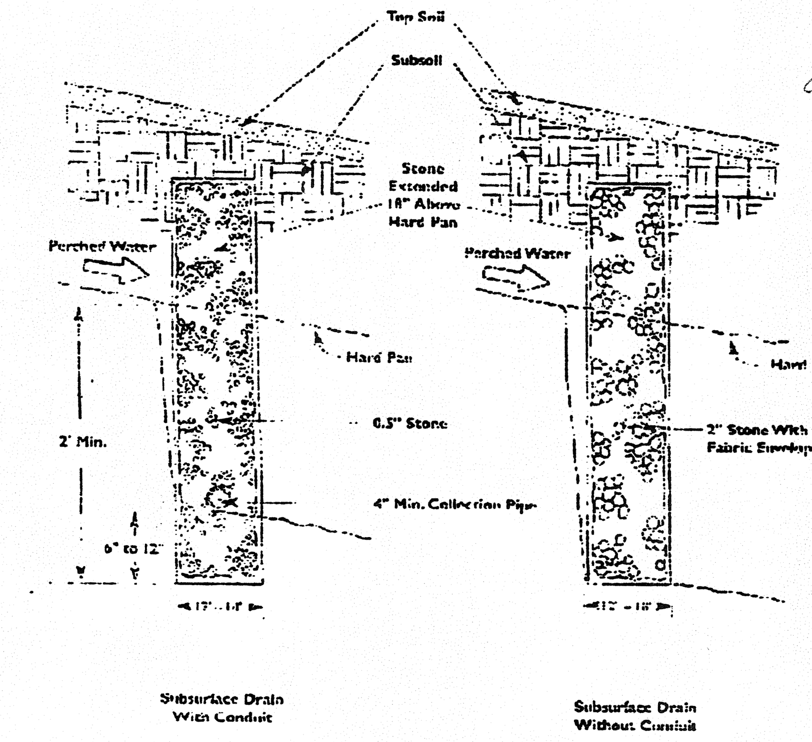
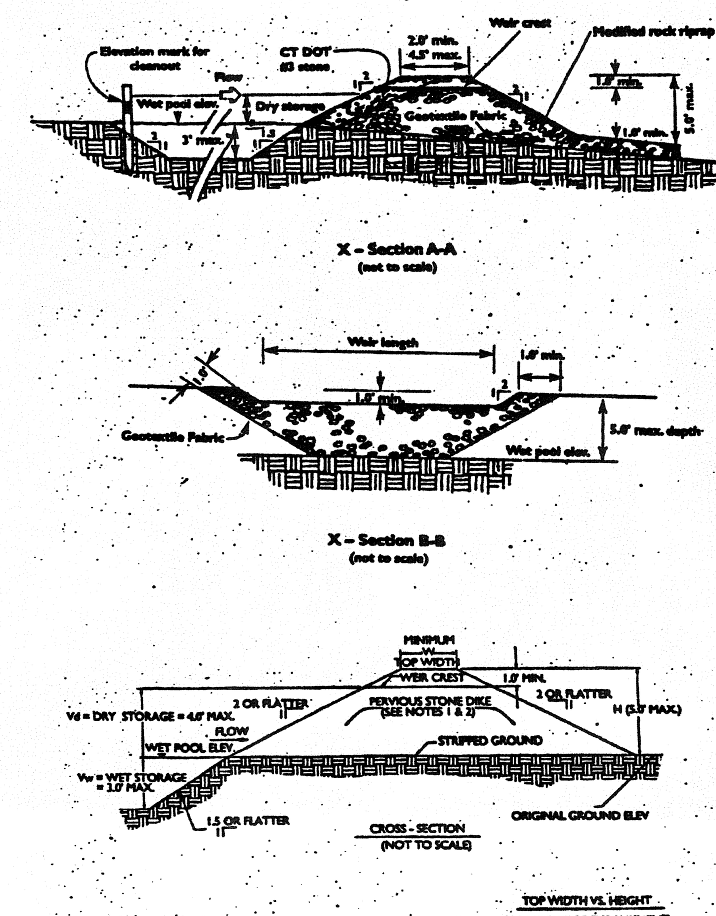


SUBSURFACE DRAIN DETAILS
(NOT TO SCALE)



1. PERVIOUS STONE DIKE SHALL BE CONSTRUCTED OF CT DOT MODIFIED RIPRAP WITH #3 STONE ON FACE.
2. NON-OVERFLOW PORTIONS AND ABUTMENTS OF TEMPORARY SEDIMENT TRAPS MAY BE CONSTRUCTED OF COMPACTED EARTHFILL.

TOP WIDTH VS. HEIGHT
H = HEIGHT OF EMBANKMENT
W = TOP WIDTH OF EMBANKMENT

H (ft)	W(ft)
1.5	2.0
2.0	2.0
2.5	2.5
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5

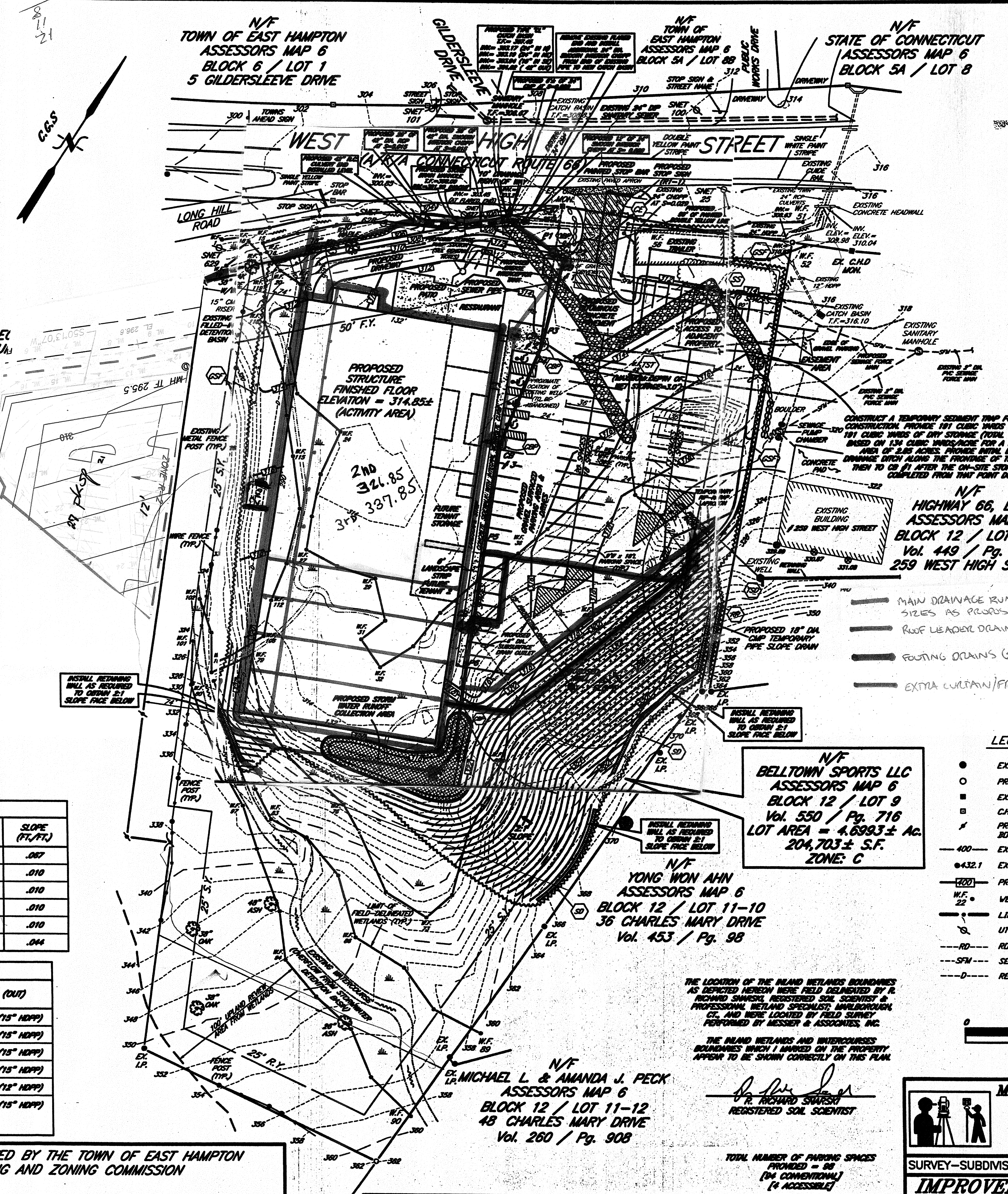
TEMPORARY SEDIMENT TRAP DETAILS
(NOT TO SCALE)

STORM DRAINAGE SYSTEM PIPE SCHEDULE

PIPE SEGMENT	PIPE LENGTH (FT.)	PIPE DIAMETER (IN.)	PIPE MATERIAL	UPSTREAM INVERT	DOWNSTREAM INVERT	SLOPE (FT./FT.)
P1	34	15	HDPP	306.22	303.94	.067
P2	5	15	HDPP	306.35	306.30	.010
P3	64	15	HDPP	307.25	306.61	.010
P4	74	15	HDPP	308.25	307.51	.010
P5	128	15	HDPP	309.75	308.47	.010
P6	74	12	HDPP	313.25	310.00	.044

STORM DRAINAGE SYSTEM STRUCTURE SCHEDULE

STRUCTURE	DESCRIPTION	TOP OF FRAME ELEV.	INV. (IN)	INV. (OUT)
CB #1	TYPE "C" CATCH BASIN	310.45	306.61 (15" HDPP)	306.35 (15" HDPP)
CB #2	TYPE "C" CATCH BASIN	314.00	307.51 (15" HDPP) 308.26 (6" PVC)	307.25 (15" HDPP)
CB #3	TYPE "C" CATCH BASIN	314.25	308.47 (15" HDPP) 309.22 (6" PVC)	308.25 (15" HDPP)
CB #4	TYPE "C" CATCH BASIN	314.80	310.00 (15" HDPP) 310.75 (6" PVC)	309.75 (15" HDPP)
YD #1	YARD DRAIN	317.50	———	313.25 (12" HDPP)
SC	STC 2400 STORMCEPTOR® OIL/SEDIMENT SEPARATOR UNIT	310.50	306.30 (15" HDPP)	306.22 (15" HDPP)

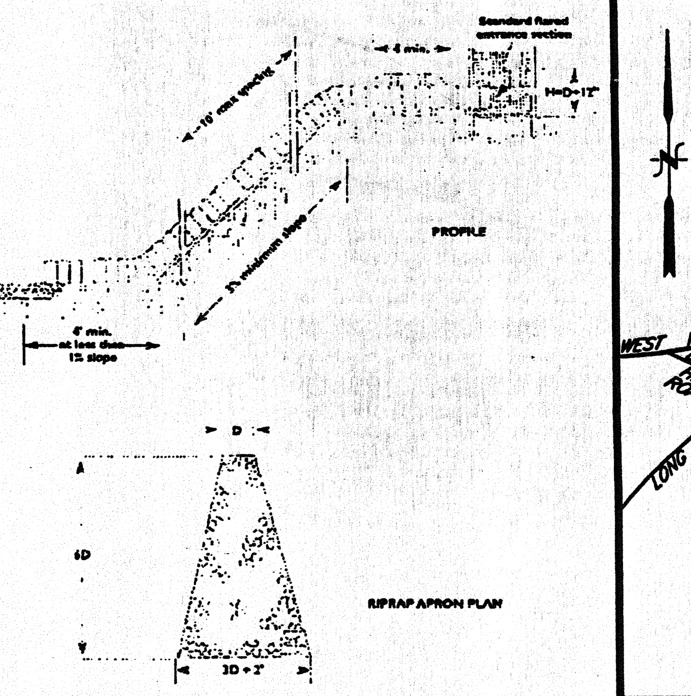


THE LOCATION OF THE INLAND WETLANDS BOUNDARIES AS DEPICTED HEREON WERE FIELD DELINEATED BY R. RICHARD SNARSKI, REGISTERED SOIL SCIENTIST & PROFESSIONAL WETLAND SPECIALIST; MARLBOROUGH, CT., AND WERE LOCATED BY FIELD SURVEY PERFORMED BY MESSIER & ASSOCIATES, INC.

THE INLAND WETLANDS AND WATERCOURSES BOUNDARIES WHICH I MARKED ON THE PROPERTY APPEAR TO BE SHOWN CORRECTLY ON THIS PLAN.

R. RICHARD SNARSKI
REGISTERED SOIL SCIENTIST

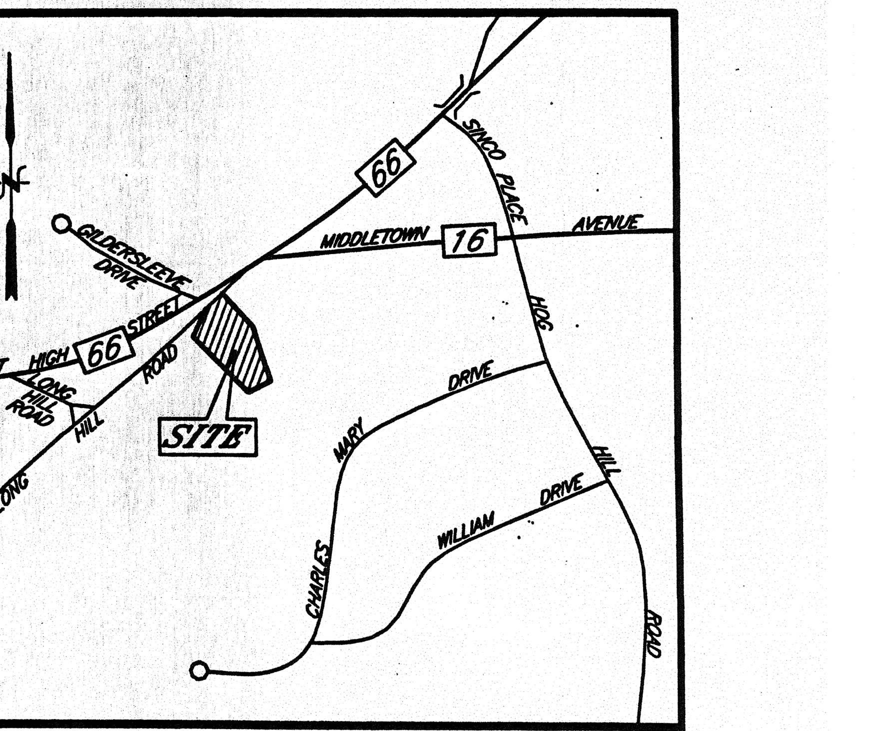
TOTAL NUMBER OF PARKING SPACES PROVIDED = 98
[94 CONVENTIONAL]
[4 ACCESSIBLE]



CONSTRUCTION SPECIFICATIONS

1. The pipe slope drain shall have a slope of 3% or steeper.
2. Top of the earth dike over the inlet pipe and all dikes carrying water to the pipe shall be at least 1 foot higher than the top of the pipe.
3. Add 0.3 feet to dike height for settlement.
4. Soil around and under the slope pipe shall be hand tempered in 4-inch lifts.
5. The pipe shall be plastic or corrugated metal pipe with watertight 12-inch wide connecting bands or flange connections.
6. Pipe anchors to be placed at 10-foot maximum spacing.
7. Riprap to be 6 inches in a layer at least 12 inches thickness and pressed into the soil.
8. Periodic inspection and required maintenance must be provided after each rain event.

TEMPORARY PIPE SLOPE DRAIN DETAIL
(NOT TO SCALE)



LOCATION MAP
(NOT TO SCALE)

GENERAL NOTES

THIS PLAN WAS PREPARED FOR THE EXPRESS PURPOSE OF DEPICTING CERTAIN PROPOSED IMPROVEMENTS TO BE CONSTRUCTED ON THE SUBJECT PREMISES.

ELEVATIONS ARE BASED ON 1988 NORTH AMERICAN VERTICAL DATUM (NAVD 88).

THE EXISTING CONTOURS AND OTHER EXISTING PHYSICAL SITE FEATURES DEPICTED ON THIS DRAWING ARE FROM A FIELD LOCATION SURVEY PERFORMED BY MESSIER & ASSOCIATES, INC., AND REPRESENT EXISTING CONDITIONS AT THE TIME SUCH SURVEY WORK WAS PERFORMED.

A VARIANCE OF THE FRONT YARD SETBACK FROM 50 FEET TO 30 FEET WAS GRANTED BY THE EAST HAMPTON ZONING BOARD OF APPEALS ON JUNE 14, 2010.

ALL NEW UTILITY SERVICES (ELECTRIC, TELECOMMUNICATIONS, & CABLE TV) TO BE INSTALLED TO SERVE THE BUILDING TO BE CONSTRUCTED ON THIS PROPERTY SHALL BE INSTALLED UNDERGROUND. ALL UNDERGROUND UTILITIES SHALL BE INSTALLED A MINIMUM OF 25 FEET FROM ANY WELL, SEPTIC TANK, PRIMARY SEPTIC LEACHING SYSTEM OR RESERVE SEPTIC LEACHING AREA. THE ACTUAL LOCATIONS AND DETAILS OF INSTALLATION OF SUCH UTILITIES SHALL BE IN COMPLIANCE WITH THE SPECIFICATIONS AND REQUIREMENTS OF THE PARTICULAR PUBLIC UTILITIES PROVIDING SUCH SERVICES TO THIS SITE, AND SPECIFIC SITE TOPOGRAPHIC CONSIDERATIONS.

THE BOUNDARY LINES OF PROPERTIES ADJACENT TO THE SUBJECT PARCEL AS DEPICTED HEREON ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND HAVE NOT BEEN FIELD VERIFIED BY THE PERFORMANCE OF A FIELD SURVEY.

THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES AND APPURTENANCES DEPICTED HEREON HAVE BEEN COMPILED FROM PHYSICAL EVIDENCE OBTAINED IN THE FIELD BY MESSIER & ASSOCIATES, INC.; MAPPING BY OTHERS AS MAY BE PUBLICLY AVAILABLE FROM MUNICIPALITIES, UTILITY COMPANIES, OR OTHER AGENCIES OR INDIVIDUALS, AND WHICH HAVE NOT FIELD CONFIRMED BY MESSIER & ASSOCIATES, INC.; AND/OR OTHER UNVERIFIED RECORDED SOURCES SUCH AS CONTRACTORS' AS-BUILTS. THE SURVEYOR OR ENGINEER HAVE NOT FIELD LOCATED THE UNDERGROUND UTILITIES EXCEPT TO THE EXTENT THAT THEY ARE VISIBLE AT THE EXISTING GROUND SURFACE. THE UNDERGROUND UTILITY INFORMATION DEPICTED HEREON MUST BE CONSIDERED APPROXIMATE IN NATURE, MAY BE INCOMPLETE OR INACCURATE, AND MAY NOT REPRESENT ALL UNDERGROUND UTILITIES IN THE AREA, EITHER CURRENTLY IN SERVICE OR ABANDONED. MESSIER & ASSOCIATES, INC. DOES NOT WARRANT NOR GUARANTEE THAT THE UNDERGROUND UTILITIES DEPICTED HEREON COMPRISE ALL SUCH UTILITIES IN THE AREA OR THAT THE UTILITIES DEPICTED ARE IN THE EXACT LOCATIONS INDICATED, AND/OR OF THE SIZES AND/OR MATERIALS INDICATED.

THE LOCATION OF THE ABOVE-GROUND IMPROVEMENTS DEPICTED HEREON WERE FIELD VERIFIED BY MESSIER & ASSOCIATES, INC. TO THE EXTENT POSSIBLE, EXCEPT AS NOTED ON THESE DRAWINGS. THERE MAY BE CERTAIN ADDITIONAL FEATURES WHICH EXIST ON THIS SITE AND THAT ARE NOT APPARENT AND/OR VISIBLE TO THE SURVEYOR AND ENGINEER, INCLUDING CERTAIN UNDERGROUND STRUCTURES AND/OR OTHER SUBSURFACE FEATURES, AND WHICH ARE THEREFORE NOT SHOWN ON THIS DRAWING. MESSIER & ASSOCIATES, INC. IS NOT RESPONSIBLE FOR ANY PRE- OR POST-CONSTRUCTION IMPROVEMENTS THAT CAN NOT BE DETECTED BY OBSERVATION AND/OR ARE NOT VISIBLE TO THE SURVEYOR OR ENGINEER.

THE FIRST 50 FEET OF LENGTH OF THE IMPROVED DRIVEWAY ENTRANCE SHALL BE CONSTRUCTED AT A GRADE OF 3% FROM THE EDGE OF THE EXISTING PAVED APRON, AND SHALL BE PAVED.

THE SUPPLIER OF THE SEWAGE PUMP STATION TO BE INSTALLED ON THIS PROJECT SITE SHALL BE RESPONSIBLE FOR PROVIDING A PUMPING UNIT OF ADEQUATE HEAD AND CAPACITY CHARACTERISTICS FOR THE ACTUAL USE AND OCCUPATION OF THE STRUCTURE TO BE CONSTRUCTED. MANUFACTURER'S SHOP DRAWINGS AND CERTIFIED PERFORMANCE CURVES SHALL BE SUBMITTED BY THE DEVELOPER TO THE TOWN OF EAST HAMPTON WATER POLLUTION CONTROL AUTHORITY FOR APPROVAL PRIOR TO DELIVERY AND INSTALLATION.

LEGEND

●	EXISTING IRON PIN
○	PROPERTY CORNER
■	EXISTING MONUMENT
⊡	C.H.D. MONUMENT POINT
	PROPERTY OR EASEMENT BOUNDARY ANGLE POINT
—400—	EXISTING CONTOUR
●432.1	EXISTING SPOT GRADE
—[400]—	PROPOSED CONTOUR
W.F. 22 ●	WETLAND FLAG
	LIMIT OF FIELD DELINEATED WETLANDS
	UTILITY POLE
---RD---	ROOF DRAIN
---SFM---	SEWAGE FORCE MAIN
---D---	RETAINING WALL DRAIN

GRAPHIC SCALE
0 40 80 120 160
(FEET)

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL KEY

CBP	CATCH BASIN PROTECTION
CE	CONSTRUCTION ENTRANCE
GSF	STAKED GEOTEXTILE SILT FENCE SEDIMENT BARRIER
RR	RIPRAP
SD	SUBSURFACE DRAIN
SS	SOIL STOCKPILE AREA
TSD	TEMPORARY PIPE SLOPE DRAIN
TST	TEMPORARY SEDIMENT TRAP

TO THE BEST OF MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B-1 THROUGH 20-300B-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996, AND CONFORMS TO HORIZONTAL ACCURACY CLASS C AND VERTICAL ACCURACY CLASS T-2.

SURVEY TYPE: IMPROVEMENT LOCATION SURVEY – PROPOSED

BOUNDARY DETERMINATION CATEGORY: NONE

SURVEYORS SIGNATURE ____ 01/10 DATE ____ LICENSE NUMBER

APPROVED BY THE TOWN OF EAST HAMPTON PLANNING AND ZONING COMMISSION

CHAIRMAN OR SECRETARY ____ DATE ____

APPROVED BY THE TOWN OF EAST HAMPTON INLAND WETLANDS AND WATERCOURSES AGENCY

CHAIRMAN ____ DATE ____

811 Know what's below. CALL before you dig. Dial 811.

THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON PHYSICAL EVIDENCE OBTAINED IN THE FIELD AND AVAILABLE MAPPING BY OTHERS. ALL SUCH LOCATIONS ARE APPROXIMATE ONLY AND THE INFORMATION SHOWN MAY BE INCORRECT OR INCOMPLETE. ALL EXISTING CONDITIONS SHALL BE CONFIRMED BY THE EXCAVATOR IN THE FIELD PRIOR TO BEGINNING ANY WORK. THE EXCAVATOR SHALL NOTIFY THE CONNECTICUT "CALL BEFORE-YOU-DIG" PROGRAM BY DIALING 811 OR CALLING 1-800-922-4455 AT LEAST 2 FULL WORKING DAYS PRIOR TO BEGINNING ANY EXCAVATION FOR MARK-OUT OF THE LOCATION OF ALL EXISTING UTILITIES BY THE RESPECTIVE UTILITY COMPANIES. (FOR MORE INFORMATION VISIT WWW.CBYD.COM).

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SURVEYORS – ENGINEERS

THESE DRAWINGS ARE THE PROPERTY OF THE ENGINEER/SURVEYOR AND HAVE BEEN PREPARED SPECIFICALLY FOR THE OWNER FOR THIS PROJECT AT THIS SITE, AND ARE NOT TO BE USED FOR ANY OTHER PURPOSE, LOCATION, OR OWNER WITHOUT WRITTEN CONSENT OF THE ENGINEER/SURVEYOR.

NO DECLARATION IS EXPRESSED OR IMPLIED UNLESS THIS PLAN BEARS THE EMBOSSED SEAL OF THE LAND SURVEYOR AND/OR PROFESSIONAL ENGINEER WHOSE SIGNATURE APPEARS HEREON.

MESSIER & ASSOCIATES, Inc.
SURVEYORS – ENGINEERS
288 MAIN STREET
MANCHESTER, CT (860) 646-6013
PUTNAM, CT (860) 928-1171
www.messiersurvey.com
SURVEY–SUBDIVISION–SITE DESIGN–CONSTRUCTION LAYOUT

IMPROVEMENT LOCATION PLAN

PREPARED FOR:
BRIAN CUTLER
265 WEST HIGH STREET
(A/K/A CONNECTICUT ROUTE 66)
EAST HAMPTON, CONNECTICUT

REV.	DATE	DESCRIPTION
1	03-30-10	REVISED BUILDING SIZE & PARKING
2	04-30-10	REVISED BUILDING, RETAINING WALL & GRADING
3	05-07-10	REVISED RETAINING WALL & GRADING
4	05-17-10	REVISED PLANT SCHEDULE ADDED STORM DRAIN SYSTEM TABLES
5	08-16-10	REVISED STORM DRAIN SYSTEM; ADD STORMCEPTOR
6	09-29-10	ADD SOIL SCIENTISTS STATEMENT
7	04-26-11	APPROVAL CONDITIONS, RENUMBERED SHEETS
8	02-20-13	PROPOSED GRADING, MODIFY PROPOSED STORM DRAINAGE
9	03-26-13	ADDED WET AREA
10	04-01-13	MODIFY AND ADD PARKING
11	10-27-15	MODIFIED LAYOUT
12	11-10-15	PER TOWN REVIEW

DATE: 01/10
SCALE: 1"=40 FT.
DESIGN: DAS/RFN
DRAWN: DAS/MLN
CHECK: RRM/RFN
SHEET 2 OF 5
PROJECT No. 09-058
PLAN No. 09-053-S
(COMP. FILE =09-053-ADDITION.DWG)