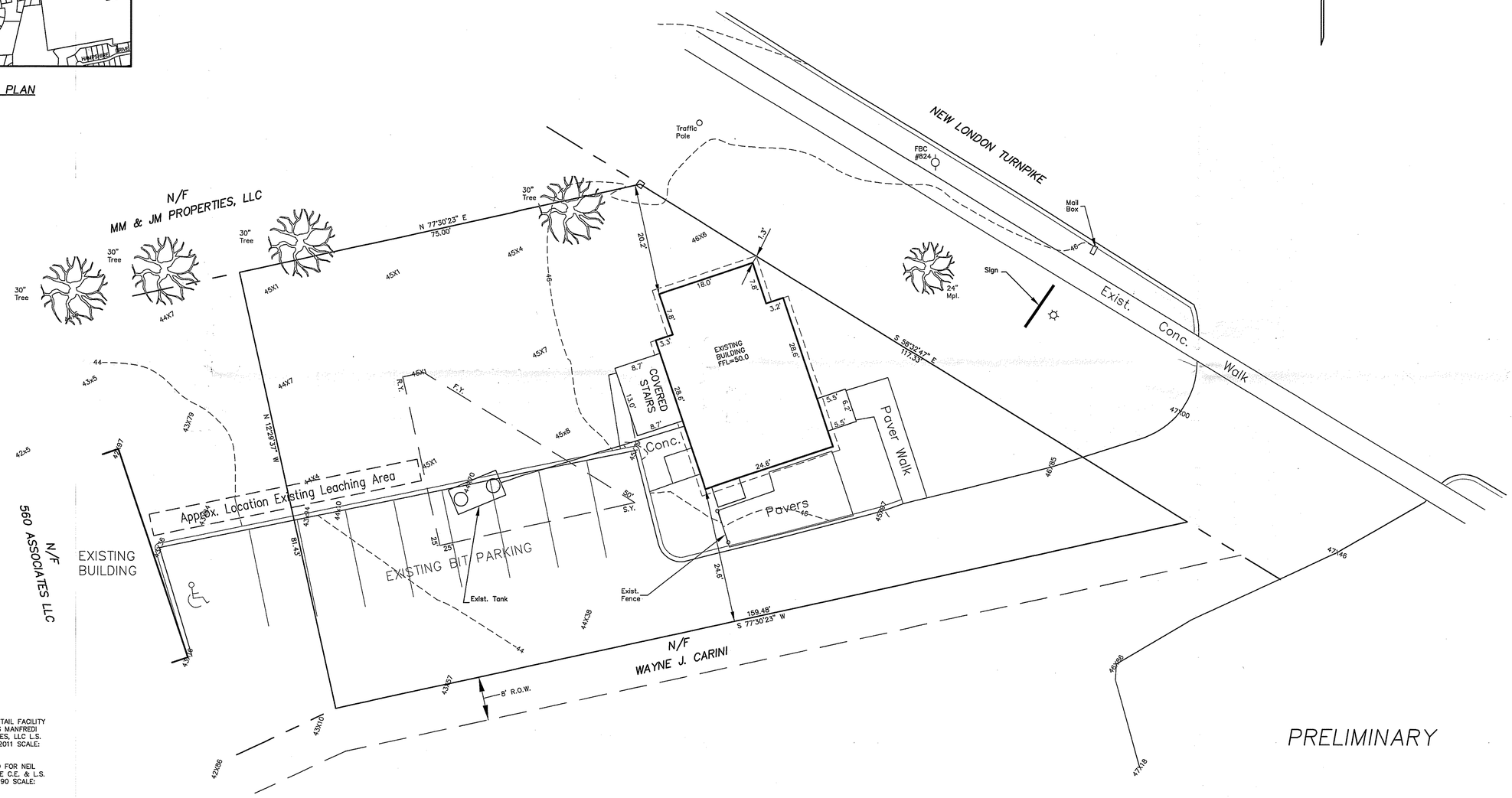
SITE LOCATION PLAN
SCALE: 1"=1,000'



PRELIMINARY

REFERENCE MADE TO MAPS TITLED:

"PROPERTY BOUNDARY SURVEY MEDICAL SUPPLY RETAIL FACILITY #548 NEW LONDON TURNPIKE PREPARED FOR JAMES MANFREDI GLASTONBURY, CONNECTICUT" BY DUTTON ASSOCIATES, LLC L.S. & C.E. GLASTONBURY, CONNECTICUT DATE: 10-10-2011 SCALE: 1"=10' SHEET 2 OF 10 MAP NO. A-11-040-8

" SITE PLAN #560 NEWLONDON TURNPIKE PREPARED FOR NEIL FRESK GLASTONBURY, CONN." BY MEGSON & HEAGLE C.E. & L.S. GLASTONBURY, CONN. DATE: 11-6-90 REV. 12-18-90 SCALE: 1"=20' MAP NO. 130-90-1

". SITE PLAN PREPARED FOR NEIL FRESK GLASTONBURY, CONN." BY MEGSON & HEAGLE C.E. & L.S. GLASTONBURY, CONN. DATE: 3-17-86 REV. 9-22-86 REV. 9-22-86 SCALE: 1"=20' MAP NO. 316-85-1

THIS MAP IS NOT VALID IF MODIFIED IN ANY WAY AND DOES NOT BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS SURVEY WAS PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 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.
TYPE OF SURVEY: PROPERTY/BOUNDARY SURVEY
BOUNDARY DETERMINATION CATEGORY: RESURVEY
CLASS OF ACCURACY: A-2

JOHN L. HEAGLE L.S. # 9396

560 ASSOCIATES LLC	PLANNED COMMERCE
PROJECT/APPLICANT	ZONE
530 NEW LONDON TURNPIKE	
PROJECT ADDRESS	
12.9 MINOR CHANGE	
SPECIAL PERMIT SECTION	TPZ CHAIRMAN
DATE SPECIAL PERMIT APP'D	DIRECTOR OF COMMUNITY DEVELOPMENT
FILE NO.	

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

ZONE: PLANNED COMMERCE
AREA=9546 S.F.
=0.219 AC.

LEGEND
EXISTING MONUMENT □

MEGSON, HEAGLE & FRIEND
CIVIL ENGINEERS & LAND SURVEYORS, LLC
81 RANKIN ROAD
GLASTONBURY, CONN. 06033
PHONE (860)-659-0587

BOUNDARY & EXISTING CONDITIONS PLAN
#530 NEW LONDON TURNPIKE
PREPARED FOR
560 ASSOCIATES LLC
GLASTONBURY, CONN.

CK. BY:	JHS
DRW. BY:	PEJ
DATE:	1-28-20
SCALE:	1"=10'
SHEET	1 OF 3
MAP NO.	6-18-1BEC

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SITE LOCATION PLAN
SCALE: 1"=1,000'

SOILS DATA

TEST PIT # 1
DATE: 8-22-18
GROUNDWATER: @ 9.0'
MOTTLING: NONE
MATERIAL: 0.0 TO 1.5' FILL
1.5 TO 2.3' LIGHT BROWN FINE SANDY LOAM
2.3 TO 4.5' DARK BROWN COMPACT SILTY FINE SAND
4.5 TO 9.8' DARK BROWN SILTY FINE SAND

TEST PIT # 2
DATE: 8-22-18
GROUNDWATER: NONE
MOTTLING: NONE
MATERIAL: 0.0 TO 1.4' FILL
1.4 TO 2.7' LIGHT BROWN FINE SANDY LOAM
2.7 TO 3.5' DARK BROWN COMPACT SILTY FINE SAND GRAVEL
3.5 TO 8.0' DARK BROWN SILTY FINE SAND

	PERC-1	PERC-3
DATE:	8-23-18	8-23-18
DEPTH:	38"	27 1/2"
RATE:	20-30 MIN/IN.	20-30 MIN/IN.

	PERC-2	PERC-4
DATE:	8-23-18	8-27-18
DEPTH:	33 1/2"	70"
RATE:	> 60 MIN/IN.	8.9 MIN/IN.

EXISTING SALON

METERED FLOW = 52.4 G.P.D.
52.4 X 1.5 = 80 G.P.D. DESIGN FLOW REQUIRED FOR SALON. SEPTIC SYSTEM DESIGN FOR POSSIBLE FUTURE USE AS 1550 S.F OFFICE SPACE

B100a SANITARY SYSTEM DESIGN

DESIGN FLOW: 1550 S.F OFFICE-200 S.F GROSS AREA/PERSON (TABLE 4)
1550 S.F ÷ 200 = 8 PEOPLE @ 20 G.P.D. = 160 G.P.D.

REQUIRED ELA 160 / APPLICATION RATE 1.5 = 107 S.F. LEACHING AREA REQUIRED

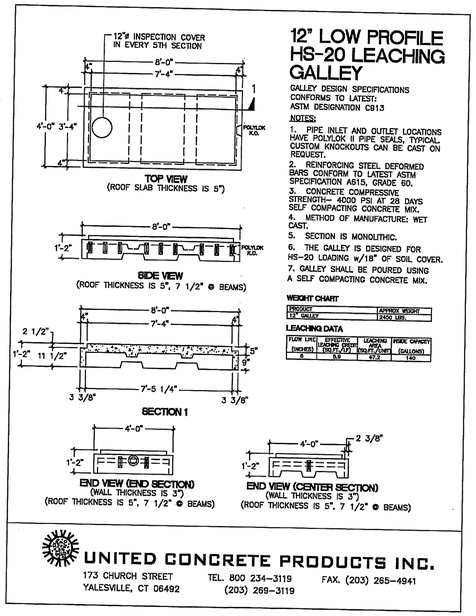
USE 24 L.F. OF 12" CONCRETE LEACHING GALLERIES (H20 LOADING) (5.9 S.F./L.F.)
USE 1 ROW @ 24' (142 S.F. LEACHING AREA PROVIDED)
SEPTIC TANK CAPACITY 1,000 GAL. (MIN.)

BENCHMARK TO BE SET IN AREA OF SEPTIC SYSTEM AT TIME OF STAKE OUT.

RISERS WILL BE REQUIRED ON SEPTIC TANK TO FINISHED GRADE.

SANITARY SYSTEM ELEVATIONS

	1
BOTTOM OF GALLERY	38.5
FL. DISTRIBUTION LINE	39.0
D. BOX OUT TO GALLERY	39.0
DISTRIBUTION BOX INLET	39.1
SEPTIC TANK OUTLET	39.5
SEPTIC TANK INLET	39.75
FL. 4" PVC @ FDN. WALL	40.30
FFL. (EXISTING)	50.00
TOP OF SEPTIC TANK	40.5±



12" LOW PROFILE HS-20 LEACHING GALLEY

GALLEY DESIGN SPECIFICATIONS CONFORMS TO LATEST: ASTM DESIGNATION C913

NOTES:
1. PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS, TYPICAL. CUSTOM KNOCKOUTS CAN BE CAST ON REQUEST.
2. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615, GRADE 60.
3. CONCRETE COMPRESSIVE STRENGTH-- 4000 PSI AT 28 DAYS SELF COMPACTING CONCRETE MIX.
4. METHOD OF MANUFACTURE: WET CAST.
5. SECTION IS MONOLITHIC.
6. THE GALLEY IS DESIGNED FOR HS-20 LOADING w/18" OF SOIL COVER.
7. GALLEY SHALL BE POURED USING A SELF COMPACTING CONCRETE MIX.

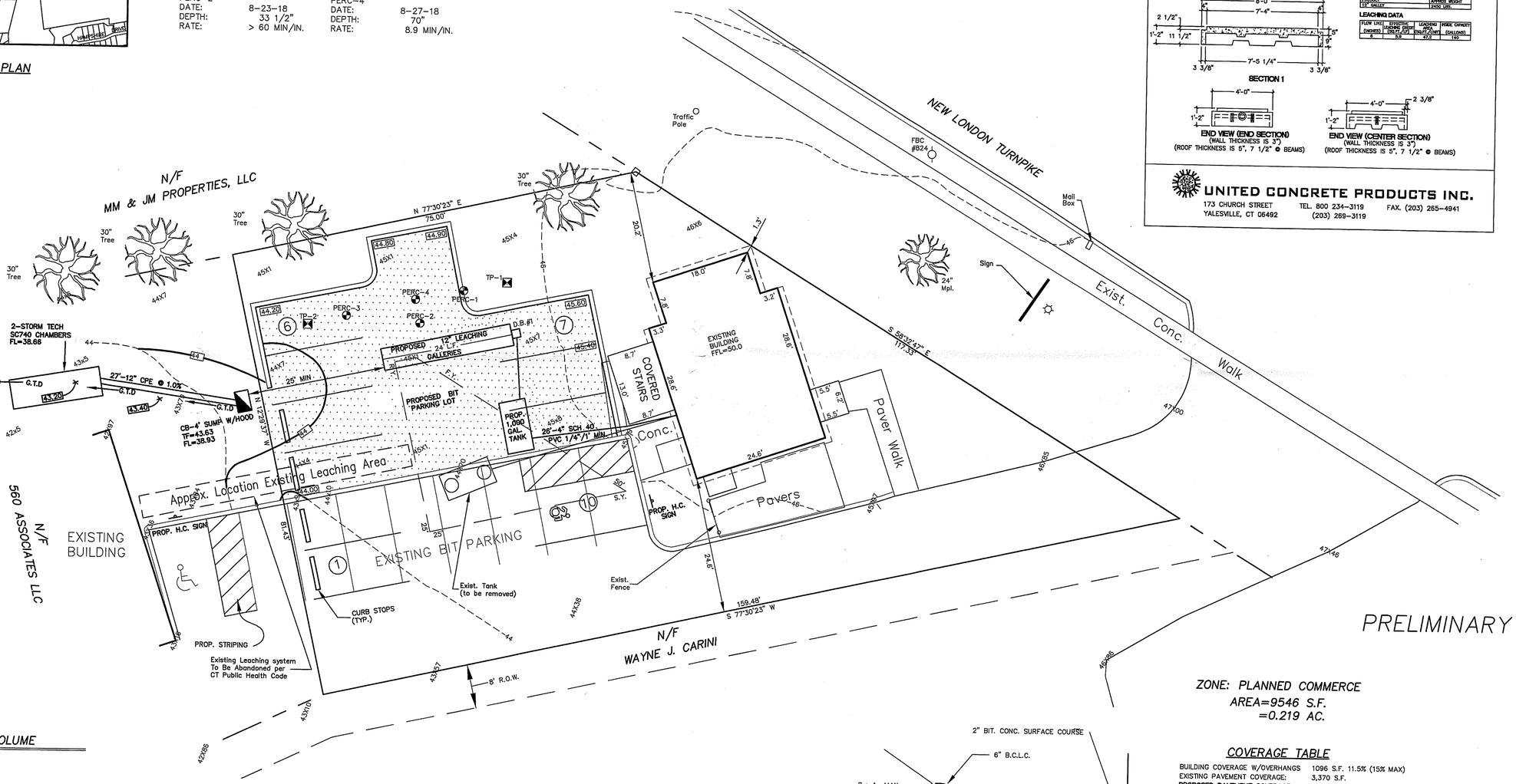
WEIGHT CHART

PRODUCT	APPROX. WEIGHT
12# GALLEY	2400 LBS.

LEACHING DATA

FLOW LINE ELEVATION (INCHES)	EFFECTIVE LEACHING DEPTH (SQ.FT./LF)	LEACHING AREA (SQ.FT./LINEAR FOOT)	PERK CAPACITY (GALLON)
6	5.9	47.2	160

UNITED CONCRETE PRODUCTS INC.
173 CHURCH STREET YALESVILLE, CT 06492
TEL. 800 234-3119 (203) 269-3119 FAX. (203) 265-4941



WATER QUALITY VOLUME

WQV= (1")(R)(A) / 12 WHERE

R = 0.05+ 0.009(I)
I = % IMPERVIOUS = 2069 S.F. / 9546 S.F. = 0.217 = 21.7%
A = AREA (AC)
R = 0.05 + 0.009(21.7%) = 0.245
WQV = (1")(0.245)(0.219 AC) / 12 = 0.004 AC-FT = 195 CF

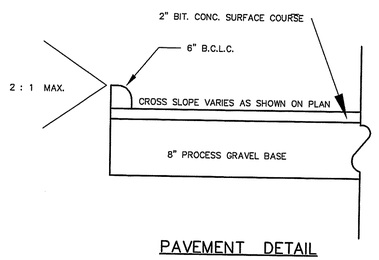
USE 3-SC740 CHAMBERS W/12" STONE BASE
81.7 CF/UNIT X 3 CHAMBERS = 245 CF

245 CF > 195 CF

560 ASSOCIATES LLC	PLANNED COMMERCE
PROJECT/APPLICANT	ZONE
530 NEW LONDON TURNPIKE	
PROJECT ADDRESS	
12.9 MINOR CHANGE	
SPECIAL PERMIT SECTION	TPZ CHAIRMAN
DATE SPECIAL PERMIT APP'D	DIRECTOR OF COMMUNITY DEVELOPMENT
FILE NO.	

GRAPHIC SCALE
10 0 5 10 20 40
(IN FEET)
1 inch = 10 ft.

ZONE: PLANNED COMMERCE
AREA=9546 S.F.
=0.219 AC.



PAVEMENT DETAIL
NOT TO SCALE

LEGEND
EXISTING MONUMENT □

COVERAGE TABLE

BUILDING COVERAGE W/OVERHANGS	1096 S.F. 11.5% (15% MAX)
EXISTING PAVEMENT COVERAGE:	3,370 S.F.
PROPOSED PAVEMENT COVERAGE:	**2,068.38 S.F.**
TOTAL IMPERVIOUS COVERAGE:	5,438 S.F. 57.0%
OPENSPACE :	3,012 S.F. 31.5% (30% MIN.)
	9546 S.F. 100%

PARKING TABLE

BULDING USE: SALON
1ST FLOOR AREA = 844 S.F.
2 CHAIRS
1 PEDI STATION
1 MANI STATION
2ND FLOOR AREA = 704 S.F.
3 MASSAGE ROOMS

PARKING REQUIRED: 1 SPACE/150 S.F OF GROSS FLOOR AREA
GROSS FLOOR AREA = 1,548 S.F. X .85/150 = 8.8 SPACES REQUIRED

PARKING PROVIDED: 10 SPACES/ 1 H.C.

THIS MAP IS NOT VALID IF MODIFIED IN ANY WAY AND DOES NOT BEAR THE EMBOSSED SEAL OF THE UNDERSIGNED.

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.

MARK W. FRIEND P.E. #15818

MEGSON, HEAGLE & FRIEND
CIVIL ENGINEERS & LAND SURVEYORS, LLC
81 RANKIN ROAD
GLASTONBURY, CONN. 06033
PHONE (860)-659-0587

SITE PLAN
#530 NEW LONDON TURNPIKE
PREPARED FOR
560 ASSOCIATES LLC
GLASTONBURY, CONN.

CK. BY:	MWF
DRW. BY:	PEJ
DATE:	1-28-20
SCALE:	1"=10'
SHEET	2 OF 3
MAP NO.	6-18-1SDP

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GENERAL NOTES

TOPOGRAPHIC ELEVATIONS SHOWN ARE BASED ON NAVD 88. HORIZONTAL DATUM IS NAD83

ALL CONSTRUCTION METHODS TO CONFORM TO CONN. D.O.T. FORM 817 AND/OR THE TOWN STANDARD SPECIFICATIONS.

ALL UTILITIES TO BE INSTALLED UNDERGROUND.

THE LOCATION OF ALL EXISTING UTILITIES SHOWN IS APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR CONFIRMING THE LOCATION OF EXISTING UTILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND FOR COORDINATING CONNECTION OF PROPOSED AND EXISTING UTILITIES.

TOWN MAY REQUIRE CHANGES TO THE PLAN TO ADDRESS PROBLEMS THAT MAY RESULT IN THE FIELD.

WARNING: THESE PLANS NOT TO BE USED FOR LOCATION OF UNDERGROUND UTILITIES – CALL BEFORE YOU DIG 1-800-922-4455 TWO WORKING DAYS BEFORE YOU DIG.

GENERAL

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INSOFAR AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATERBODIES, AND TO PREVENT, INSOFAR AS POSSIBLE, EROSION ON THE SITE.

CONSTRUCTION METHODS, IN GENERAL, SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.

LAND GRADING

GENERAL:

NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE, OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSE OR WATERBODY.

INSTALLATION OF SEDIMENT AND EROSION CONTROLS SUCH AS HAY BALES AND SILT FENCES SHALL BE ESTABLISHED PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITIES. ALL SEDIMENT AND EROSION CONTROL STRUCTURES MUST BE MONITORED AND MAINTAINED BY THE CONTRACTOR UNTIL THE SOIL SURFACE IS STABILIZED.

HAY BALES SHALL BE STAKED AND SILT FENCES SHALL BE PROPERLY SECURED. SEDIMENT WILL BE REMOVED FROM ALL CATCHMENTS AS NECESSARY.

PRIOR TO ANY REGRADING, STONE APRON SHALL BE PLACED BY THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.

EXCAVATIONS SHOULD NOT BE MADE SO CLOSE TO PROPERTY LINES AS TO ENDANGER ADJOINING PROPERTY WITHOUT PROTECTING SUCH PROPERTY FROM EROSION, SLIDING, SETTLING OR CRACKING.

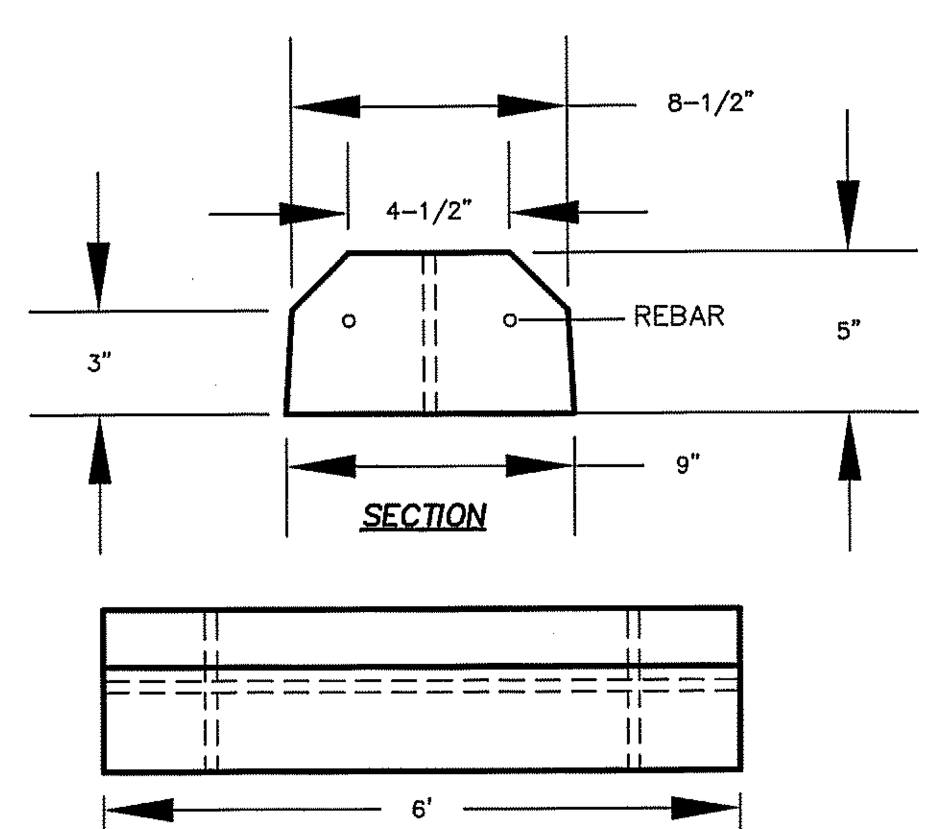
WINDBLOWN SEDIMENT

1. GENERAL:

ALL WINDBLOWN SEDIMENTS SHALL BE CONTROLLED AT ALL TIMES. THE SITE CONTRACTOR IS RESPONSIBLE FOR APPLYING DUST CONTROL AS OFTEN AS NEEDED TO PREVENT ANY WINDBLOWN SEDIMENTS FROM LEAVING THE SITE. PREDETERMINED TRAFFIC ROUTES FOR ALL TRAFFIC SHALL BE ESTABLISHED BY THE SITE CONTRACTOR TO STABILIZED ROUTES. TEMPORARY AND PERMANENT MULCHING AND TEMPORARY AND PERMANENT VEGETATIVE COVER SHALL BE USED TO MINIMIZE THE NEED FOR DUST CONTROL. MECHANICAL SWEEPERS SHALL BE USED ON ALL PAVED SURFACES TO PREVENT DUST BUILD UP DURING THE COURSE OF SITE WORK.

METHODS:

1. NON ASPHALTIC SOIL THICKENERS ARE ACCEPTABLE AND SHOULD BE APPLIED ACCORDING TO MANUFACTURER'S GUIDELINES.
2. WATER IS ACCEPTABLE BUT MUST BE APPLIED OFTEN IN HOT, DRY WEATHER.
3. CRUSHED STONE OR COARSE GRAVEL CAN ALSO BE USED.



CONCRETE WHEEL STOP DETAIL

NOT TO SCALE

TOPSOILING

GENERAL:

1. TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH AND MAINTENANCE OF VEGETATION.
2. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS, AND CONSTRUCTION DEBRIS.
3. APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO (2) TONS PER ACRE.

MATERIAL:

1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
2. TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.
3. AN ORGANIC MATTER CONTENT BETWEEN 6 & 20 PERCENT IS HIGHLY DESIRABLE. AVOID LIGHT COLORED LOWER SUBSOIL MATERIAL.

APPLICATION:

1. AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
2. SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST FOUR (4") INCHES.

EROSION CHECKS

GENERAL:

1. TEMPORARY PERVIOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND, OR SEDIMENT FILTER FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

CONSTRUCTION:

1. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. FILTER FABRIC SHALL BE SECURELY FASTENED AT THE TOP OF A THREE (3') FOOT HIGH FENCE AND BURIED A MINIMUM OF FOUR (4") INCHES INTO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO (2') FEET.

INSTALLATION AND MAINTENANCE:

1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
2. BALED HAY EROSION BARRIERS AND SEDIMENT FILTER FENCES SHALL BE INSTALLED AT THE LOCATIONS INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.
3. ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
4. INSPECTION SHALL BE FREQUENT (AT MINIMUM MONTHLY AND BEFORE AND AFTER HEAVY RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.

TEMPORARY VEGETATIVE COVER

GENERAL:

1. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL UNPROTECTED AREAS THAT PRODUCE SEDIMENT, AREAS WHERE FINAL GRADING HAS BEEN COMPLETED AND AREAS WHERE THE ESTIMATED PERIOD OF BARE SOIL EXPOSURE IS LESS THAN 12 MONTHS.

SITE PREPARATION:

1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
3. APPLY LIME ACCORDING TO SOIL TEST OR AT A RATE OF ONE (1) TON OF GROUND DOLOMITIC LIMESTONE PER ACRE (5 LBS. PER 100 SQUARE FEET).
4. APPLY FERTILIZER ACCORDING TO SOIL TEST OR AT THE RATE OF 300 LBS. OF 10-10-10 PER ACRE (7 LBS. PER 1,000 SQUARE FEET.)
5. UNLESS HYDROSEEDED, WORK IN LIME AND FERTILIZER TO A DEPTH OF FOUR (4") INCHES USING A DISK OR ANY SUITABLE EQUIPMENT.
6. TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM, LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.

ESTABLISHMENT:

1. USE ANNUAL RYEGRASS AT A RATE OF 40 LBS/AC. OR SUITABLE EQUIVALENT AS SPECIFIED IN THE "GUIDELINES".
2. SEEDING TO BE DONE FROM APRIL 1ST TO JUNE 15 OR AUGUST 1ST TO OCTOBER 1ST. WINTER STABILIZATION PLANTINGS TO BE NO LATER THAN OCTOBER 1ST. THIS INCLUDES STOCKPILE AREAS.
3. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
4. UNLESS HYDROSEEDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT. COVER SUDANGRASS AND SMALL GRAINS WITH 1/2 INCH SOIL.
5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO THE GUIDELINES IN THE "GUIDELINES".

560 ASSOCIATES LLC	PLANNED COMMERCE
PROJECT/APPLICANT	ZONE
530 NEW LONDON TURNPIKE	
PROJECT ADDRESS	
12.9 MINOR CHANGE	
SPECIAL PERMIT SECTION	TPZ CHAIRMAN
DATE SPECIAL PERMIT APP'D	DIRECTOR OF COMMUNITY DEVELOPMENT
FILE NO.	

PERMANENT VEGETATIVE COVER

GENERAL:

1. PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED AS VARIOUS SECTIONS OF THE PROJECT ARE COMPLETED IN ORDER TO STABILIZE THE SOIL, REDUCE DOWNSTREAM DAMAGE FROM SEDIMENT AND RUNOFF AND TO ENHANCE THE AESTHETIC NATURE OF THE SITE. IT WILL BE APPLIED TO ALL CONSTRUCTION AREAS SUBJECT TO EROSION WHERE FINAL GRADING HAS BEEN COMPLETED AND A PERMANENT COVER IS NEEDED.

SITE PREPARATION:

1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
2. REMOVE LOOSE ROCK, STONE AND CONSTRUCTION DEBRIS FROM AREA.
3. PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
4. APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.
5. APPLY FERTILIZER ACCORDING TO SOIL TEST OR:

– SPRING SEEDING:
WORK DEEPLY IN SOIL, BEFORE SEEDING, 300 LBS OF 10-10-10 FERTILIZER PER ACRE (7 LBS PER 1,000 SQUARE FEET); THEN SIX (6) TO EIGHT (8) WEEKS LATER APPLY ON THE SURFACE AN ADDITIONAL 300 LBS OF 10-10-10 FERTILIZER PER ACRE.

– FALL SEEDING:
WORK DEEPLY IN SOIL, BEFORE SEEDING, 600 LBS OF 10-10-10 FERTILIZER PER ACRE (14 LBS PER 1,000 SQUARE FEET).

ESTABLISHMENT:

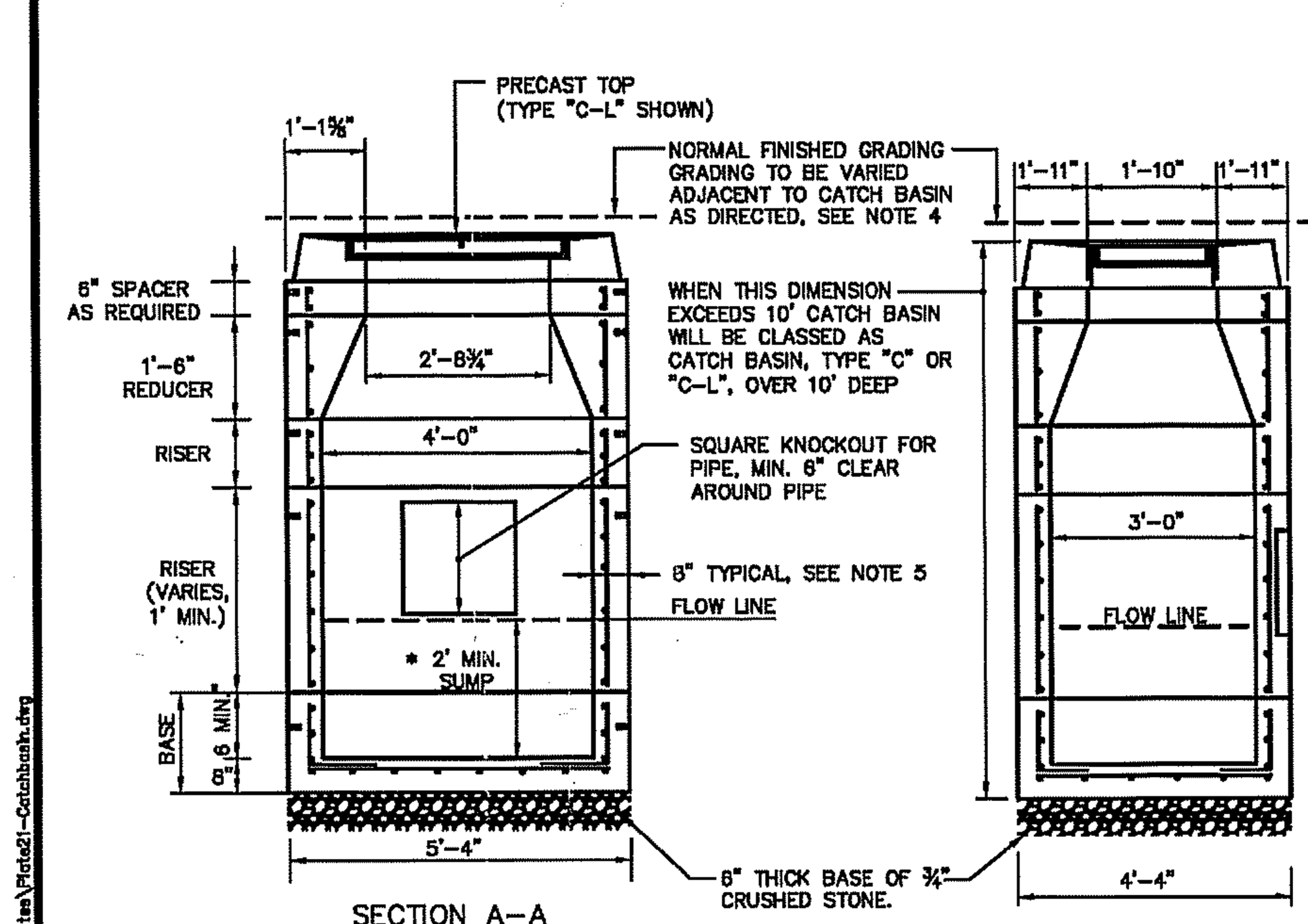
1. SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
2. SELECT ADAPTED SEED MIXTURE AS FOLLOWS. NOTE RATES AND THE SEEDING DATES.

SUNNY TO PARTIALLY SUNNY SITES		LBS/AC	LBS/1000S.F.
KENTUCKY BLUEGRASS		20	0.50
CREEPING RED FESCUE		20	0.50
PERENNIAL RYEGRASS		05	0.10
	TOTAL	45	1.10
SHADY SITES			
CREEPING RED FESCUE		50	1.00
PERENNIAL RYEGRASS		05	0.10
	TOTAL	55	1.10
DROUGHTY SITES			
CREEPING RED FESCUE		40	1.00
TALL FESCUE		20	0.50
	TOTAL	60	1.50

DETENTION BASIN

APPLY NEW ENGLAND WET MIX– 18 LBS/AC
1 LB/2500 S.F.

3. FINAL SEEDING SHALL TAKE PLACE PRIOR TO OCTOBER 1ST AS SEEDING AFTER THIS DATE RUNS A DISTINCT CHANCE OF FAILURE DUE TO ADVERSE WEATHER. ANY AREAS THAT ARE DISTURBED BETWEEN OCTOBER 1ST AND APRIL 1ST SHALL BE STABILIZED BY NON-VEGETATIVE MEANS SUCH AS HEAVY MULCHING WITH A BINDER OR JUTE MATTING WHICH WILL HAVE TO BE REMOVED BEFORE FINAL SEEDING AND THEN REPLACED AFTER FINAL SEEDING.
4. APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED, BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
5. COVER GRASS AND LEGUME SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT (EXCEPT WHEN HYDROSEEDING).
6. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO THE GUIDELINES IN THE "GUIDELINES".
7. USE PROPER INOCULANT ON ALL LEGUME SEEDINGS, USE FOUR (4) TIMES NORMAL RATE WHEN HYDROSEEDING.



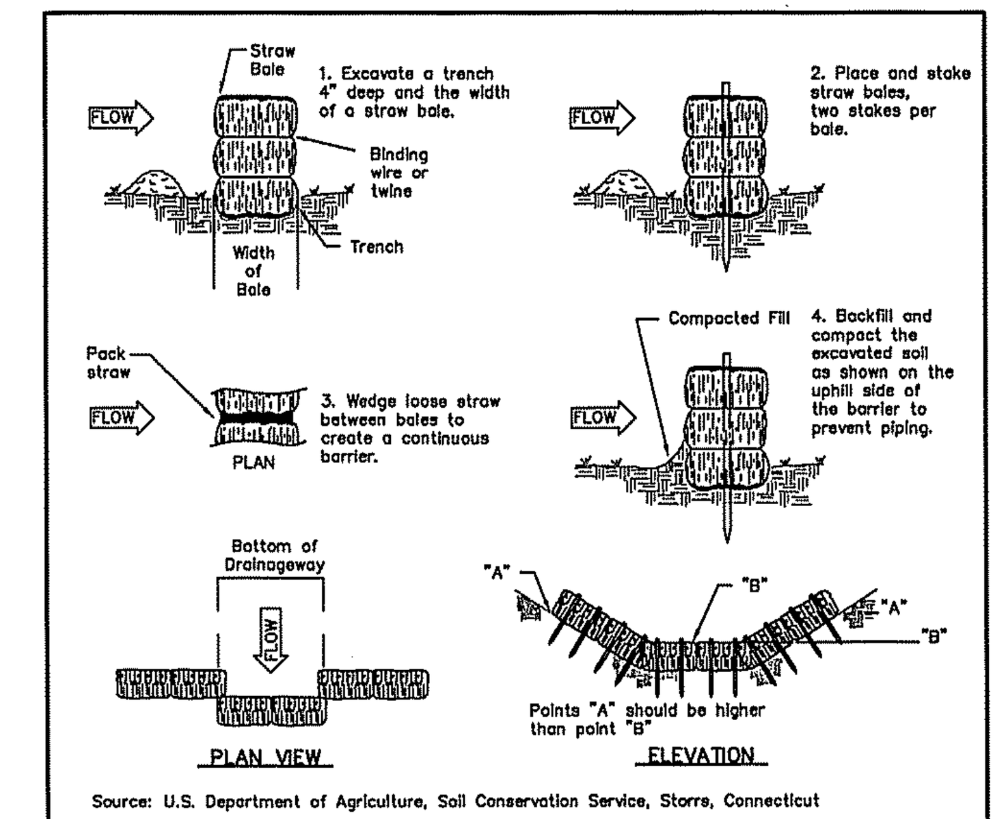
NOTES

1. ALL CATCH BASINS SHALL CONFORM TO CONNDOT STANDARD DETAIL SHEETS HW–507_1 AND HW–507_04 EXCEPT AS OTHERWISE NOTED ON THIS DETAIL. DOUBLE GRATE CATCH BASINS SHALL CONFORM TO CONNDOT STANDARD SHEETS HW–507_05 AND HW–507_06.
2. PRECAST CATCH BASIN TOPS MUST BE PROPERLY ALIGNED AS SHOWN AND SHALL CONFORM TO CONNDOT STANDARD DETAIL SHEETS HW–507_07. CAPE COD CATCH BASIN TOPS SHALL HAVE AN OPEN THROAT.
3. ALL FRAMES AND GRATES SHALL BE GALVANIZED. FOR DETAILS OF FRAMES AND GRATES, SEE CONNDOT STANDARD DETAIL SHEET HW–507_08.
4. WHEN TYPE 'C' CATCH BASINS ARE CONSTRUCTED IN PAVEMENT, THE NORMAL GUTTER OF THE ROADWAY SHALL BE VARIED TO PROVIDE AN ADDITIONAL 2–INCH DEPRESSED GUTTER AT THE CATCH BASIN.
5. WALL THICKNESS TO BE 12 INCHES WHEN HEIGHT OF STRUCTURE EXCEEDS 10 FEET FROM TOP OF FRAME TO BOTTOM OF BASE. THICKER WALLS APPLY ONLY TO PORTION OF STRUCTURE BELOW 10' DEEP.
6. PRECAST RISER SECTIONS SHALL NEVER HAVE CORNER PIPE ENTRIES. WHEN PIPE ALIGNMENT CANNOT BE CHANGED, A ROUND STRUCTURE SHALL BE USED PER CONNDOT DETAIL HW–507_04.
7. CATCH BASINS LEFT ABOVE THE FINISHED GUTTER GRADE FOR THE WINTER MUST BE PROPERLY SHIMMED FOR PLOWING AS SHOWN IN PLATE 4.
8. MORTAR MIX SHALL NOT CONTAIN LIME.
9. ENDS OF PIPE SHALL BE SAWCUT FLUSH WITH INSIDE WALLS.
10. IF CONCRETE MASONRY UNITS ARE USED THE FOLLOWING ADDITIONAL REQUIREMENTS SHALL BE MET:
    - MAXIMUM CORBEL SHALL NOT EXCEED 2 INCHES;
    - WHERE NECESSARY, BLOCKS MAY BE CUT OR CONCRETE BRICK USED (NO RED BRICK PERMITTED);
    - CORNERS SHALL BE SQUARE, COURSES LEVEL, AND JOINTS PROPERLY STAGGERED;
    - VOIDS IN EXTERIOR WALLS SHALL BE GROUTED, AND CORBELS SHALL BE WEDGED.

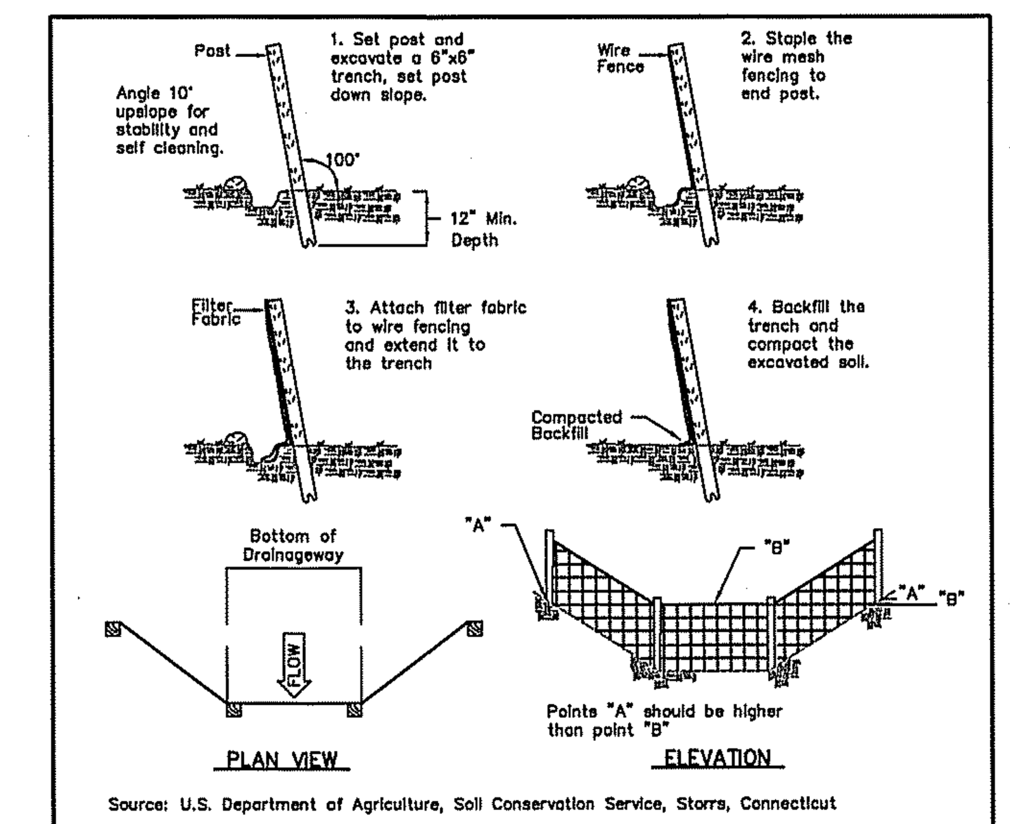
SCALE: NONE	TOWN OF GLASTONBURY DEPARTMENT OF PHYSICAL SERVICES ENGINEERING DIVISION
DRAWN BY: SR	
CHECKED BY: SMB	CATCH BASIN
APPROVED BY: DAP	
LAST REVISED: 9/1/2016	PLATE NO. 21

* USE 4' SUMP

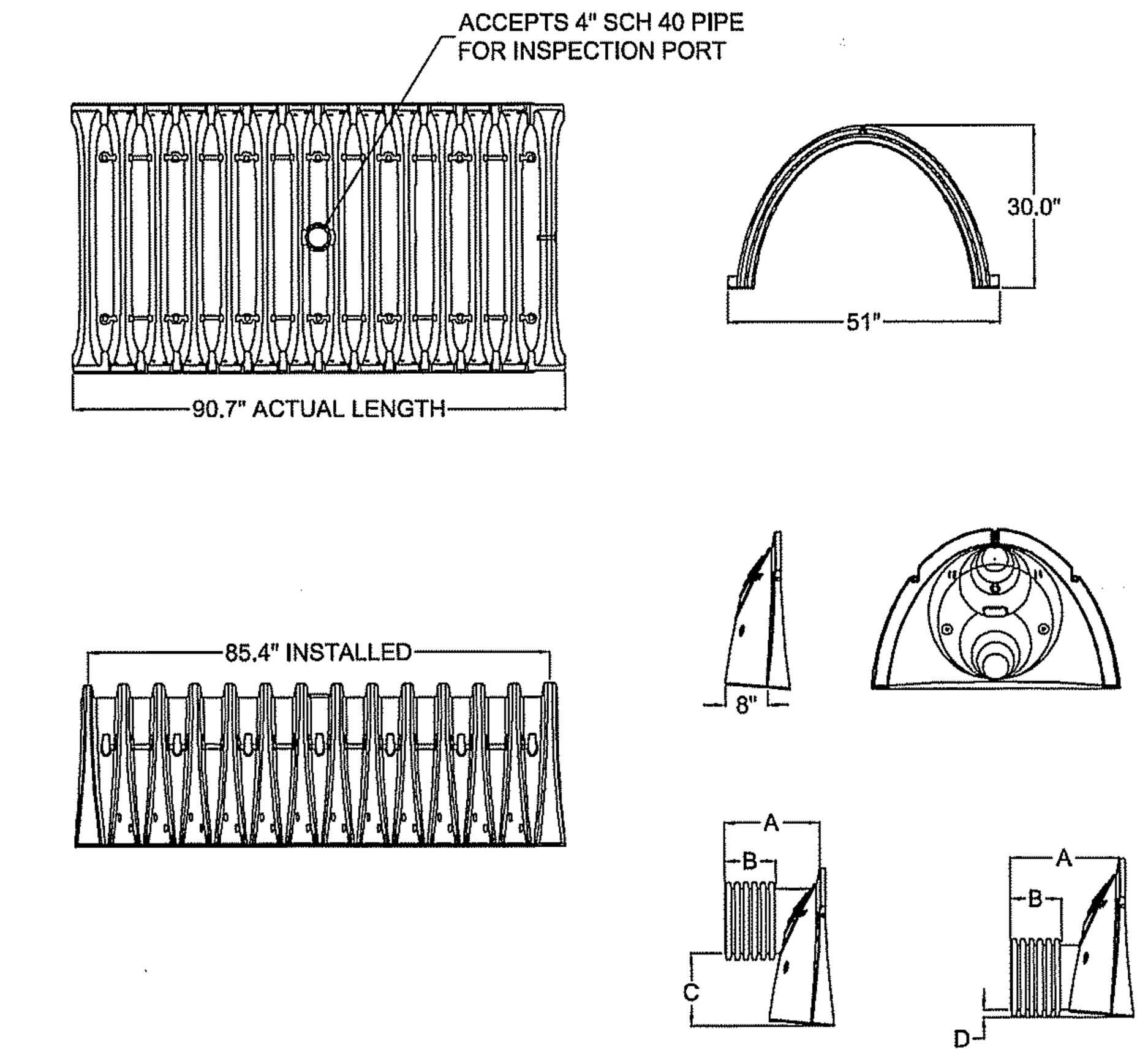
PRELIMINARY



PLACEMENT AND CONSTRUCTION OF A STRAW BALE BARRIER



PLACEMENT AND CONSTRUCTION OF A SYNTHETIC FILTER BARRIER



NOMINAL CHAMBER SPECIFICATIONS

SIZE (W x H x INSTALLED LENGTH) -	51.0" x 30.0" x 85.4"
CHAMBER STORAGE -	45.9 CUBIC FEET
MINIMUM INSTALLED STORAGE -	74.9 CUBIC FEET
WEIGHT -	75 LBS.

STUBS AT TOP OF END CAP FOR PARTS NUMBERS ENDING WITH "T"

STUBS AT BOTTOM OF END CAP FOR PARTS NUMBERS ENDING WITH "B"

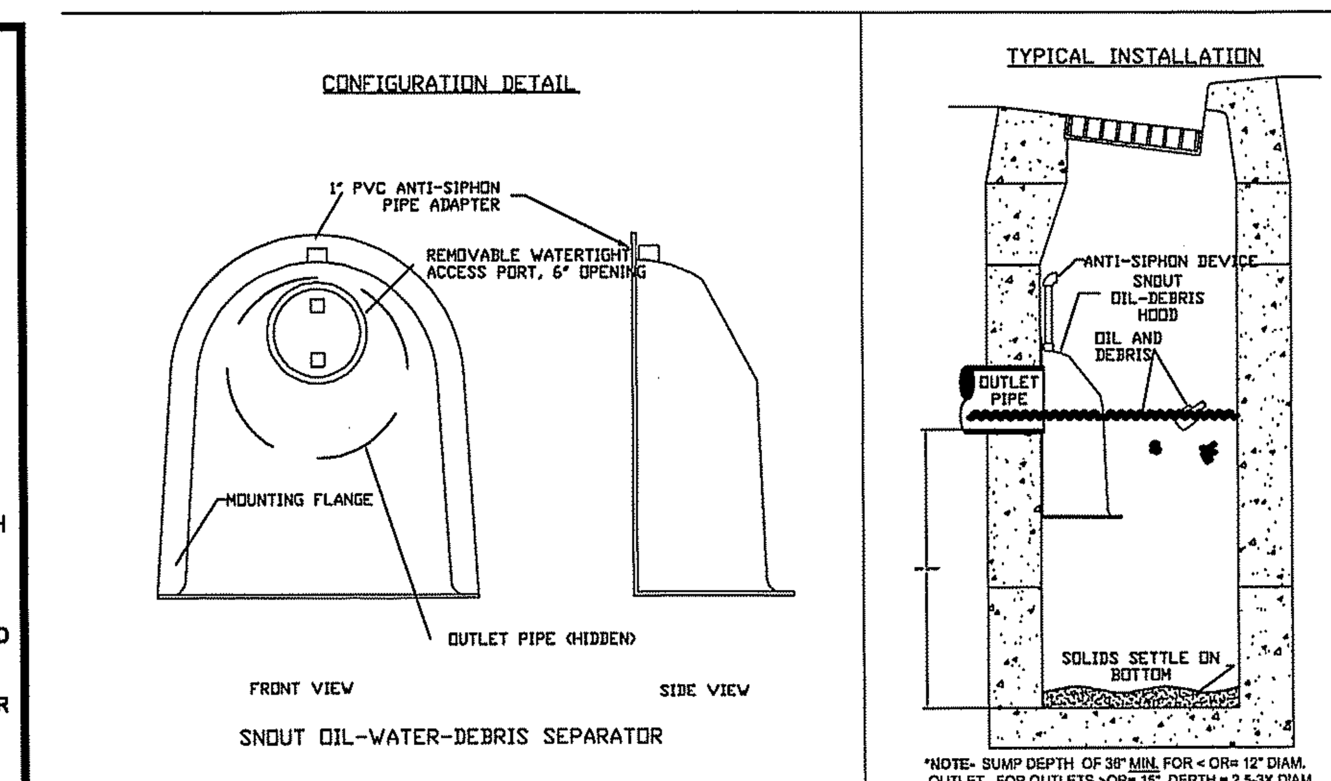
PART #	CHAMBER	PIPE SIZE	A	B	C	D
SC740EPE06T	SC 740	6 in (150 mm)	10.90 in (277 mm)	3.85 in (98 mm)	18.50 in (470 mm)	N/A
SC740EPE06B	SC 740	6 in (150 mm)	10.90 in (277 mm)	3.85 in (98 mm)	N/A	0.50 in (13 mm)
SC740EPE12T	SC 740	12 in (300 mm)	14.70 in (373 mm)	7.70 in (196 mm)	12.50 in (318 mm)	N/A
SC740EPE12B	SC 740	12 in (300 mm)	14.70 in (373 mm)	7.70 in (196 mm)	N/A	1.20 in (30 mm)
SC740EPE15T	SC 740	15 in (375 mm)	18.40 in (467 mm)	10.36 in (263 mm)	9.00 in (229 mm)	N/A
SC740EPE15B	SC 740	15 in (375 mm)	18.40 in (467 mm)	10.36 in (263 mm)	N/A	1.30 in (33 mm)
SC740EPE18T	SC 740	18 in (460 mm)	19.70 in (500 mm)	10.72 in (272 mm)	5.00 in (127 mm)	N/A
SC740EPE18B	SC 740	18 in (460 mm)	19.70 in (500 mm)	10.72 in (272 mm)	N/A	1.60 in (41 mm)
SC740EPE24B	SC 740	24 in (600 mm)	18.50 in (470 mm)	9.45 in (240 mm)	N/A	0.10 in (3 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL

ALL STUBS, EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740EPE24B THE 24" STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75". BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SETS LEVEL.

STORMTECH SC740 CHAMBERS

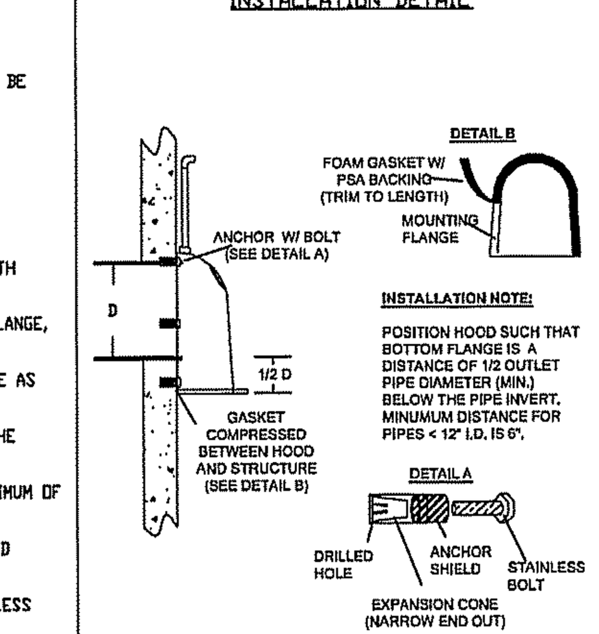


NOTES:

1. ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY:
   BEST MANAGEMENT PRODUCTS, INC.
   53 MT. ARCHER RD.
   LYME, CT 06371
   (860) 434-0277, (860) 434-3195 FAX
   TOLL FREE: (800) 504-8008 OR (888) 354-7585
   WEB SITE: www.bmpinc.com
   OR PRE-APPROVED EQUAL
2. ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125' LAMINATE THICKNESS.
3. ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT AS DRAWN. (SEE CONFIGURATION DETAIL)
4. THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION.
5. THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A DISTANCE EQUAL TO 1/2 THE OUTLET PIPE DIAMETER WITH A MINIMUM DISTANCE OF 6' FOR PIPES <12' I.D.
6. THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3' AND A MAXIMUM OF 24' ACCORDING TO STRUCTURE CONFIGURATION.
7. THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL.
8. THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8' STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
9. INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT.
   INSTALLATION KIT SHALL INCLUDE:
   A. INSTALLATION INSTRUCTIONS
   B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
   C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING
   D. 3/8' STAINLESS STEEL BOLTS
   E. ANCHOR SHIELDS

US Patent # 6126817

INSTALLATION DETAIL



HOOD SPECIFICATION FOR CATCH BASINS AND WATER QUALITY STRUCTURES

DESCRIPTION	DATE	SCALE
OIL- DEBRIS HOOD SPECIFICATION AND INSTALLATION (TYPICAL)	09/08/00	NONE
	DRAWING NUMBER SP–SN	

CATCH BASIN HOOD

I HEREBY DECLARE TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THIS PLAN IS SUBSTANTIALLY CORRECT.

MARK W. FRIEND P.E. #15818

MEGSON, HEAGLE & FRIEND
CIVIL ENGINEERS & LAND SURVEYORS, LLC
81 RANKIN ROAD
GLASTONBURY, CONN. 06033
PHONE (860)-659-0587

GENERAL NOTES & DETAILS

#530 NEW LONDON TURNPIKE

PREPARED FOR

560 ASSOCIATES LLC

GLASTONBURY, CONN.

CK. BY:	MWF
DRW. BY:	PEJ
DATE:	1-28-20
SCALE:	NONE
SHEET	3 OF 3
MAP NO.	6-18-1N

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