

A = area of the catchment = 0.92 AC

WQV = (1")(0.680)(0.92) = 0.052 AC-FT = 2,271 CF

WQV provided -3,609 CF > 2,271 CF

Conclusions

- The existing Town drainage system will adequately convey a 10 year return frequency storm without surcharge in accordance with the Town of Glastonbury Engineering Department requirements. This is consistent with the original design of the Kreiger Lane drainage system which anticipated full development of the industrial lots
- The proposed SWMB will provide a storage capacity in excess of 150% of the Water Quality Volume (WQV) which is 2,271 CF.
- No adverse impacts from development will be created for downstream areas.
- The Water Quality Volumes from the project will be collected and infiltrated within the SWMB proposed.
- The proposed Stormwater Management Measures exceed the goals of the 2004 Connecticut Stormwater Quality Manual.

PLANNED COMMERCE/GW-1 GENERAL LANDSCAPING, LLC PROJECT/APPLICANT 121 KREIGER LANE PROJECT ADDRESS SPECIAL PERMIT SECTION TPZ CHAIRMAN DATE SPECIAL PERMIT APP'D DIRECTOR OF COMMUNITY DEVELOPMENT NOTE: ALL SHEETS OF THIS PLAN SET ARE LOCATED IN THE OFFICE OF COMMUNITY DEVELOPMENT FILE NO.

> SOILS DATA TEST PIT 1 DATE: 9-15-21 MATERIAL: 0.0 - 108" RED FINE SAND

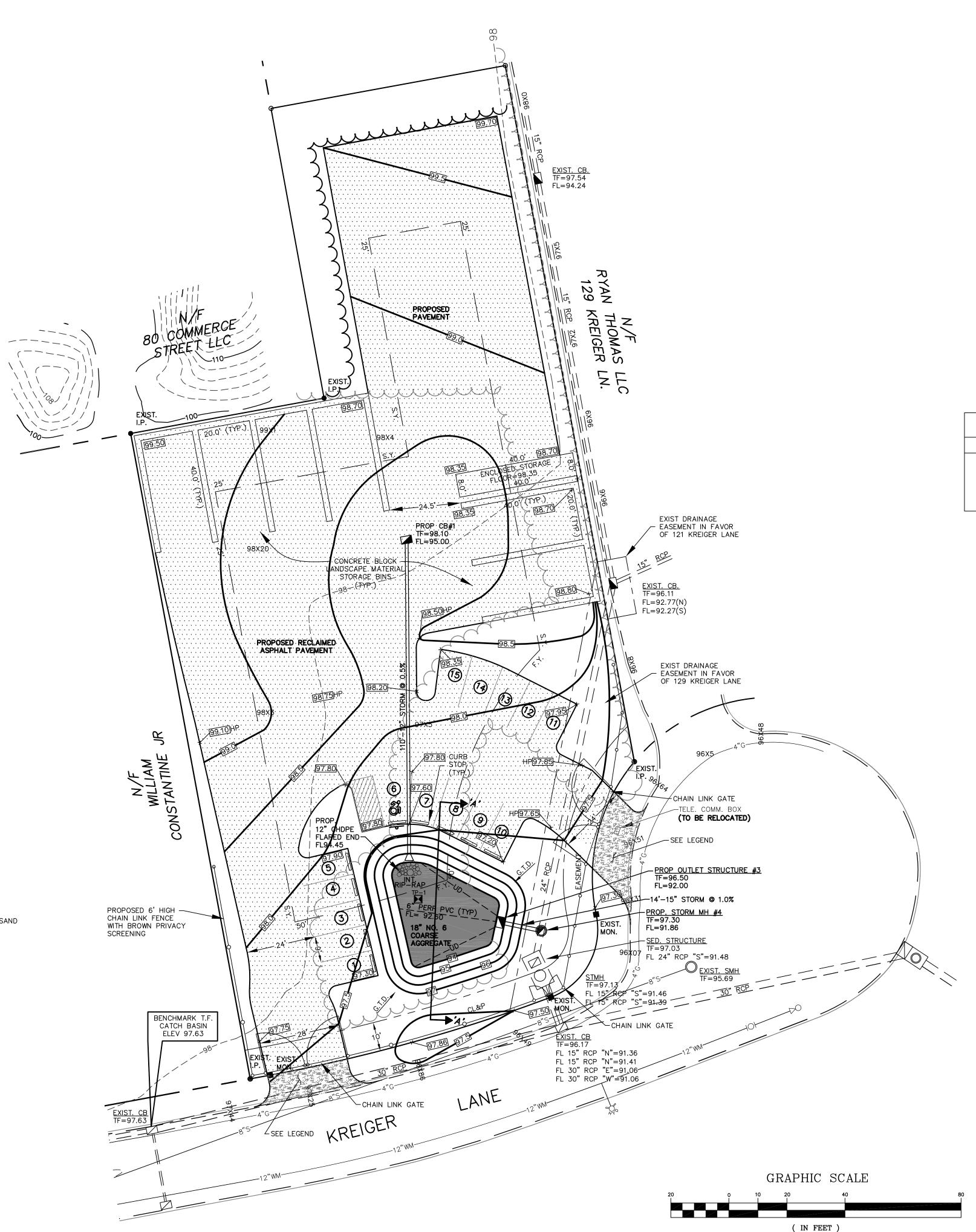
MOTTLING: NONE GROUNDWATER: NONE

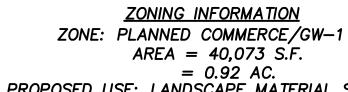
NO BITUMINOUS CURBING IS PROPOSED ON THIS SITE EXISTING ELEVATIONS FROM ACTUAL FIELD SURVEY

ALL CONSTRUCTION METHODS TO CONFORM TO CONN. DOT FORM 818 AND/OR THE TOWN STANDARD SPECIFICATION HORIZONTAL DATUM REFERS TO NAD83 VERTICAL DATUM REFERS TO NGVD88

THE CONTRACTOR SHALL NOTIFY THE TOWN OF GLASTONBURY ENGINEERING DIVISION 24 HOURS PRIOP TO BEGINNING ANY STORM DRAINAGE, SANITARY SEWER INSTALLATION, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, OR ANY EXCAVATION IN THE TOWN RIGHT—OF—WAY TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:00 AM—4:30 PM MONDAY THRU FRIDAY AT (860)652—7735.

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.





= 0.92 AC. PROPOSED USE: LANDSCAPE MATERIAL STORAGE & EMPLOYEE PARKING

ZONING TABLE			
	PLANNED COMMERCE	REQUIRED/ALLOWED	PROPOSED/PROVIDED
	LOT AREA LOT FRONTAGE FRONT YARD SETBACK SIDE YARD SETBACK REAR YARD SETBACK OPEN SPACE	40,000 S.F. 150 FT 50 FT 25 FT 25 FT 30% (12,022 S.F.)	40,073 S.F. (0.920) AC. 150.0 FT. N/A N/A N/A 30.2% (12,103 S.F.)

TOWN OF GLAS		IMPERVIOUS AR	EA DIRECTLY CONNECTED IMPERVIOUS AREA
PRE-DEVELOPM	ENT	0.00 AC	0.000 AC
POST-DEVELOP	MENT	0.64 AC	0.015 AC
NET CHANGE (-	+ OR −)	0.64 AC	0.015 AC

PARKING TABLE

PROPOSED STORAGE AREA = 12,928 S.F.

1 SPACE/2500 S.F. REQUIRED 12,928/2500 = 5.1 SPACES REQUIRED 15 SPACES PROVIDED (1 H.C. VAN SPACE)

LECEND

<u>LEGE</u>	<u>END</u>
PROP. CONTOUR	264
EXIST. 4" GAS MAIN	4"G
EXIST. 12" WATER MAIN	12"WM
EXIST. 8" SANITARY SEWER	8"S
EXIST. CONTOUR MINOR	
EXIST. CONTOUR MAJOR	
EXISTING LIMIT OF CLEARING	.~~~~~~~~~
PROPOSED LIMIT OF CLEARING	.~~~~~~~~~
EXISTING EDGE OF PAVEMENT	
EXIST. 6" BITUMINOUS CURB	
PROPOSED HANDICAPPED SIGN	- o -
PROP. SPOT ELEVATIONS	53.60
PROPOSED UNDERDRAIN	UD
PROPOSED CATCH BASIN	
PROPOSED BITUMINOUS DRIVE TO TOWN OF GLASTONBURY	

STANDARDS

1 inch = 20 ft.

MEGSON, CIVIL ENGIN

CK. BY: DRW. BY: TCJ DATE: 2-18-22 SCALE: 1"=20' SHEET 2 OF 6

MAP NO. 131-20-1SP

EROSION & SEDIMENT CONTROL NOTES

<u>GENERAL</u>

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.

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

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNERT & POLOTIVE 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 POINT OF ACCESS TO THE SITE SHALL BE WELL DEFINED.

AN APRON OF 2? TRAP ROCK AT A MINIMUM DEPTH OF 6 INCHES AND 50 FEET IN LENGTH SHALL BE INSTALLED AND MAINTAINED TO THE SITE. ALL VEHICULAR ACTIVITIES SHALL BE SERVED VIA THIS LOCATION.

THE TRAP ROCK IS TO BE REPLACED WHEN SILTED IN TO THE EXTENT THAT IT IS NO LONGER EFFECTIVE FOR ANTI-TRACKING.

GOALS OF THE E&SCP REDUCE MOVEMENT OF SOIL FROM EXPOSED SURFACES UTILIZING TEMPORARY MULCH.

- . SLOW RUNOFF VELOCITIES AND TRAP SEDIMENTS WITH SEDIMENT BARRIERS UTILIZING SILT FENCE AND/OR HAY BALES.
- CONTAIN OFF SITE TRACKING OF SEDIMENTS FROM TIRES WITH ANTI-TRACKING PADS.
- DIRECT ALL SURFACE WATER FROM DISTURBED AREA TO TEMPORARY SEDIMENT TRAP.
- WINTER STABILIZATION MEASURES SHALL BE PLANNED IN ADVANCE OF THE END OF THE GROWING SEASON TO ALLOW FOR ADEQUATE EROSION AND SEDIMENTATION CONTROL FOR THE WINTER MONTHS. PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE DEVELOPMENT OF A NEW PAVED PARKING LOT. 15 PARKING SPACES ARE PROPOSED AS WELL AS BULK STORAGE AREAS. THE LOT WILL DRAIN TO A CATCH BASIN IN THE MIDDLE OF THE LOT AND ALSO VIA SHEET FLOW TO THE PROPOSED STORMWATER MANAGEMENT BASIN ON THE SOUTH SIDE OF THE PARCEL. THE RUNOFF COLLECTED IN THE CATCHBASIN WILL BE DIRECTED TO THE STORMWATER MANAGEMENT BASIN. THIS BASIN IS SIZED TO RETAIN & INFILTRATE THE WATER QUALITY VOLUME. SHORT TERM. THIS BASIN WILL ALSO PROVIDE 1. SIGNIFICANT EROSION AND SEDIMENTATION CONTROL DURING CONSTRUCTION AS A TEMPORARY SEDIMENT TRAP.

SITE DISTURBANCE

THIS SITE WILL HAVE A DISTURBED AREA OF APPROXIMATELY 0.9 ACRES FOR CONSTRUCTION OF THE PARKING LOT AND STORMWATER MANAGEMENT BASIN. THE TOTAL IMPERVIOUS COVER WILD. 69 ACRES.

AVERAGE RUNOFF COEFFICIENT AFTER CONSTRUCTION 05/2

SITE SPECIFIC EROSION AND SEDIMENTATION ISSUES

- 1. PREVENT SEDIMENT INTO THE EXISTING STORM DRAINAGE SYSTEM ON KREIGER LANE.
- 2. PREVENT CLOGGING OF COARSE AGGREGATE INFILTRATION BED IN BOTTOM OF STORMWATER MANAGEMENT BASIN
- 3. PREVENT TRACKING OF SEDIMENTS ONTO KREIGER LANE DUST CONTROL

THE ENTIRE CONSTRUCTION IS EXPECTED TO TAKE APPROXIMATELY 3 - 4 MONTHS. THE INITIAL PHASE OF CONSTRUCTION SHALL CONSIST OF CONSTRUCTING THE STORMWATER MANAGEMENT BASIN TO PROVIDE A TEMPORARY SEDIMENT TRAP. THE BOTTOM COARSE AGGREGATE INFILTRATION LAYER SHOULD NOT BE INSTALLED AT THIS TIME TO AVOID CLOGGING AND REDUCTION OF FUTURE INFILTRATION RATE.

CONSTRUCTION SEQUENCE

CLEARING AND GRUBBING

STRIPPING OF TOPSOIL

- 2. INSTALL CONSTRUCTION ENTRANCE
- ROUGH GRADE STORMWATER MANAGEMENT BASIN TO BE USED AS A TEMPORARY SEDIMENT TRAP (DO NOT INSTALL COURSE GRADE AGGREGATES IN BOTTOM)
- 5. INSTALL CATCH BASIN OUTLET STRUCTURE & STORM PIPE
- SITE GRADING
- INSTALLATION OF RECLAIMED ASPHALT PAVEMENT
- 8. INSTALLATION OF LANDSCAPE MATERIALS
- 9. TOPSOILING AND SEEDING SHOULDERS
- 10. CLEAN OUT ANY ACCUMULATED SEDIMENTS IN STORMWATER MANAGEMENT BASIN
- 🗶 11. INSTALL UNDERDRAINS, CRUSHED STONE AND COARSE AGGREGATE IN BOTTOM OF STORMWATER MANAGEMENT BASIN
- 12. FINISH GRADE BASIN
- 13. TOPSOILING AND SEEDING OF BASIN AREA

LAND GRADING

- THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING BASIC CRITERIA:
- A) THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
- B) THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL
- TO ONE VERTICAL (2:1). C) THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO
- FOUR VERTICAL (1:4). D) NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE, OR WASH UPON THE PREMISES OF
- ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSE OR WATERBODY.
- E) 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.
- F) IF NECESSARY, LATERAL WATER DIVERSIONS SHALL BE INSTALLED ACROSS THE GRADED ROADWAY TO PREVENT DOWNSLOPE OUTWASH AND EROSION.
- G) HAY BALES SHALL BE STAKED AND SILT FENCES SHALL BE PROPERLY SECURED. SEDIMENT WILL BE REMOVED FROM ALL CATCHMENTS AS NECESSARY.
- H) 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.
- PROVISIONS SHOULD BE MADE TO CONDUCT SURFACE WATER SAFELY TO STORM DRAINS, TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.
- J) 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.

EROSION CHECKS

 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. STRAW SHALL BE USED RATHER THAN HAY BALES TO PREVENT INTRODUCTION OF INVASIVE PLANT SPECIES TO THE SENSITIVE WETLAND AREAS.

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

5. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS

NOT TO BLOCK OR IMPEDE STORMWATER FLOW OR DRAINAGE.

RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.

WINDBLOWN SEDIMENT

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.

- 1. WATER IS ACCEPTABLE AND MUST BE APPLIED OFTEN IN HOT, DRY WEATHER. CALCIUM CHLORIDE IS NOT ACCEPTABLE.
- 2. CRUSHED STONE OR COARSE GRAVEL CAN ALSO BE USED.

TEMPORARY VEGETATIVE COVER

METHODS:

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.

- . INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
- 2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA. APPLY LIME ACCORDING TO SOIL TEST.
- 4. APPLY FERTILIZER ACCORDING TO SOIL TEST. SLOW RELEASE AND LOW/NO PHOSPHORUS
- 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:

STOCKPILE AREAS.

- 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
- 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 SOI
- 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".

PERMANENT VEGETATIVE COVER

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. USE ONLY SLOW RELEASE AND LOW/NO

- 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

KENTUCKY BLUEGRASS CREEPING RED FESCUE PERENNIAL RYEGRASS	20 20 05	0.50 0.50 0.10
TOTAL	45	1.10
SHADY SITES		
CREEPING RED FESCUE PERENNIAL RYEGRASS	50 05	1.00 0.10
TOTAL	55	1.10
DROUGHTY SITES		
CREEPING RED FESCUE TALL FESCUE	1.00 40 0.50 20	
TOTAL	60	1.50

- 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
- 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.

TOPSOILING

- 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.

- 1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
- 2. TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.
- 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 SIX (6") INCHES.

STORMWATER MAINTENANCE PROGRAM

MAINTENANCE OF STORMWATER MANAGEMENT BASIN

- WEED (3-5" LAYER OF MULCH WILL LIMIT WEEDS)

- WHERE PLANTS ARE TOO CROWDED, DIVIDE AND

- CUT AND REMOVE DEAD STALKS AND SEED HEADS FROM

<u>ANNUAL</u>

WEED

WEED

PREVIOUS SEASON.

SPRING AND SUMMER

- CUT BACK DEAD STALKS

- REMOVE STICKS AND DEBRIS

- PRUNE SHRUBS IF NECESSARY

MOVE PLANTS TO DIFFERENT AREA

- REMOVE WEEDS AND DISEASED PLANTS

- REMOVE EXCESS TREE LEAVES FROM GARDEN

REPLENISH MULCH TO 3-5" LAYER

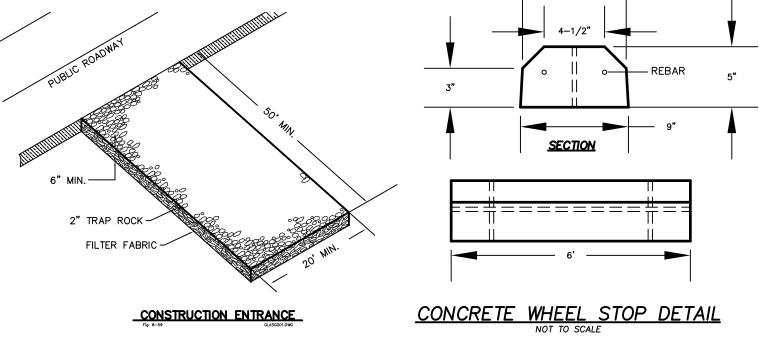
A. Litter Removal:

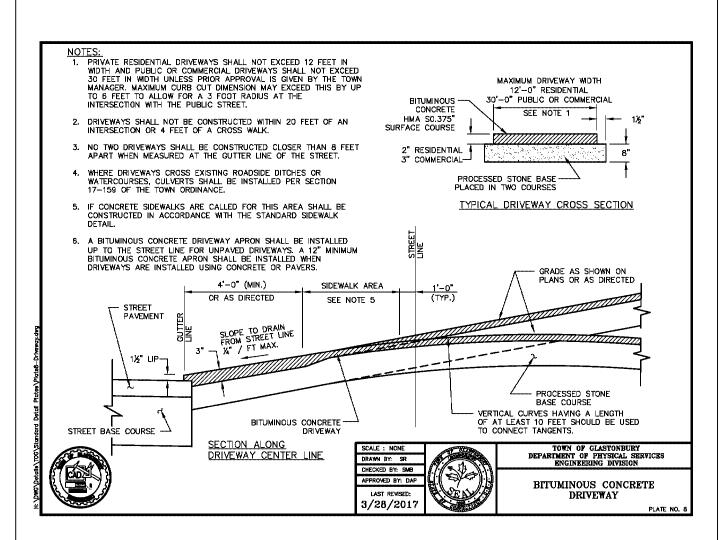
All paved surfaces and landscaped areas are to be maintained free of litter and accumulation debris. Litter and debris are to be removed (hand picked) from all landscaped areas, and parking areas. This cleaning service will be performed as site conditions warrant.

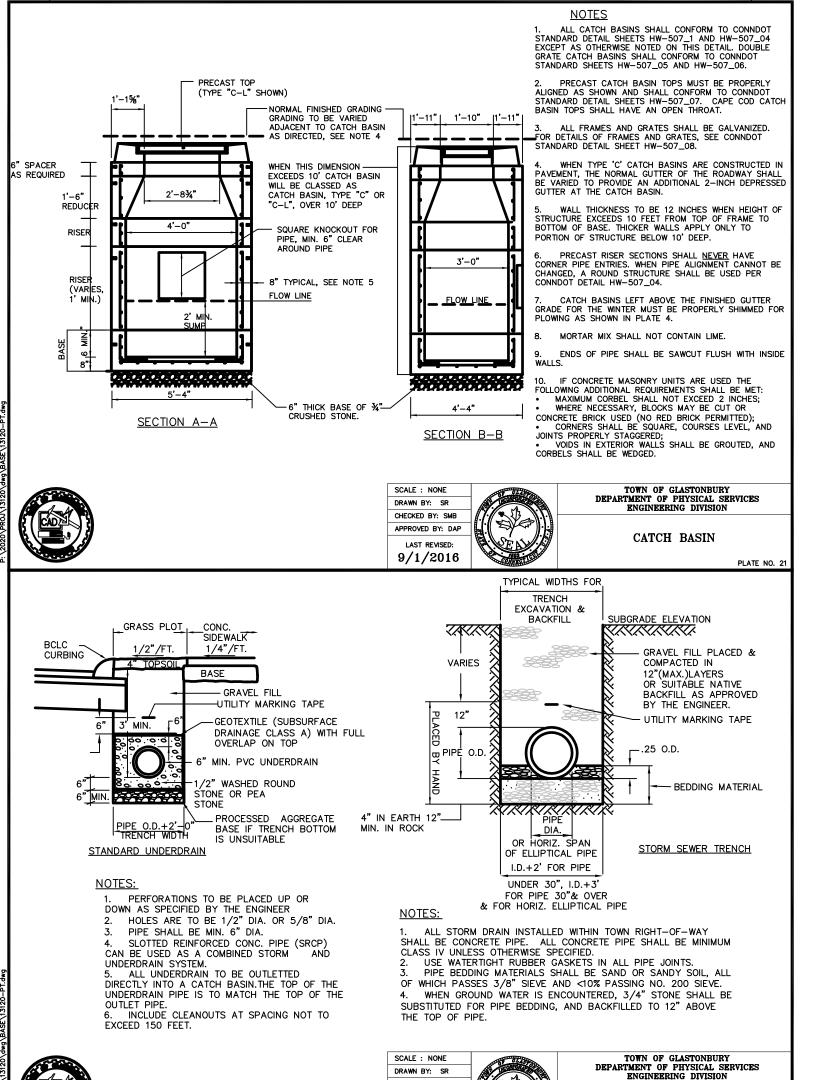
B. Parking Lot Sweeping:

The sweeping program is intended to mitigate sediment accumulation from sanding parking areas during the winter months. By far, most of the sand applied remains on or adjacent to the paved surfaces. Accumulated fall foliage is another annually recurring material that can negatively affect the stormwater system. These materials will be removed twice each year, once in November and once in April. Should more frequent sweepings be required, the program will be adjusted accordingly.

C. Disposal of Sediment and Debris Disposal of debris and sediment removed from any of the structures must be in accordance with all applicable local, state and federal regulations. On-site disposal of sediment and debris shall not occur.





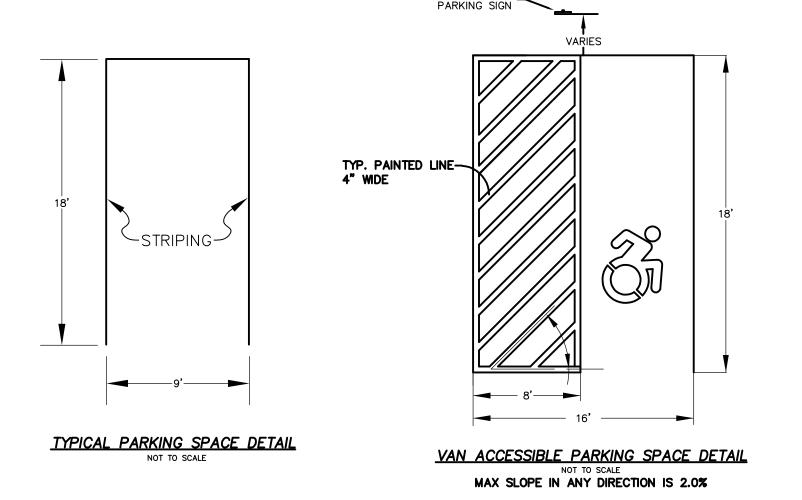


DRAWN BY: SR

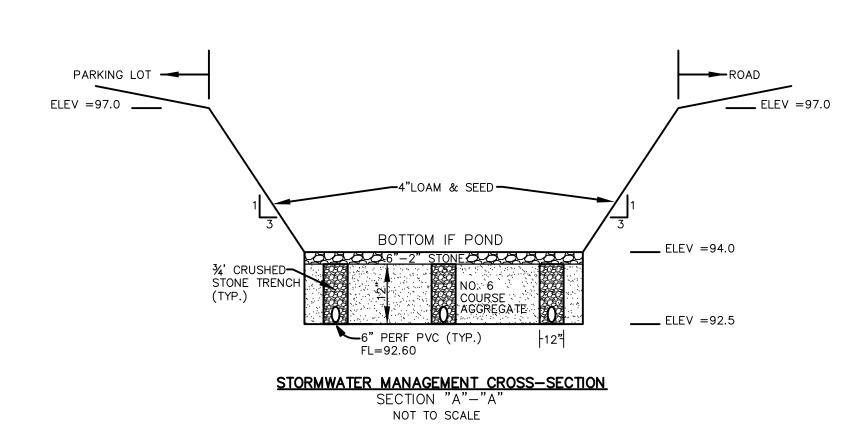
APPROVED BY: DAP

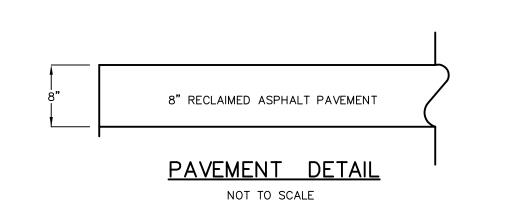
LAST REVISED: 9/1/2016 TRENCH FOR STORM DRAIN

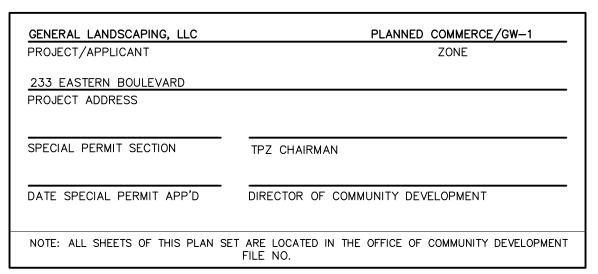
AND UNDER DRAIN

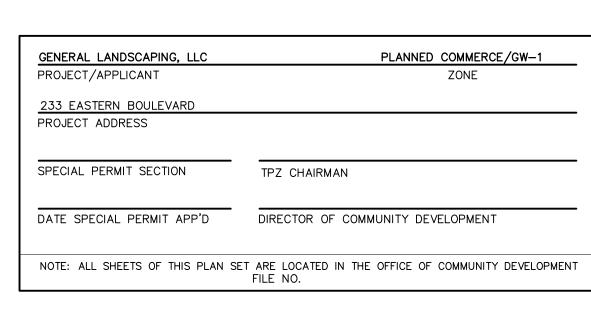


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. BY: MWF DRW. BY: TCJ DATE: 2-18-22

SCALE: 1"=20' SHEET 3 OF 6

MAP NO. 131-20-1N

THE CONTRACTOR SHALL NOTIFY THE TOWN OF GLASTONBURY ENGINEERING DIVISION 24 HOURS PRIOP TO BEGINNING ANY STORM DRAINAGE, SANITARY SEWER INSTALLATION, ROADWAY PREPARATION, PAVING, SIDEWALK, CURBING, OR ANY EXCAVATION IN THE TOWN RIGHT—OF—WAY TO SCHEDULE INSPECTIONS. THE DIVISION CAN BE REACHED BETWEEN 8:00 AM—4:30 PM MONDAY THRU FRIDAY AT (860)652—7735.

HORIZONTAL DATUM REFERS TO NAD83 VERTICAL DATUM REFERS TO NGVD88

ALL CONTRUCTION METHODS TO CONFORM TO CONN. DOT FORM 818 AND/OR THE TOWN STANDARD SPECIFICATION

PROPOSED SPOT ELEVATIONS DENOTE BOTTOM OF CURB WHERE CURBING IS PROPOSED

TS - TEMPORARY SEDIMENT BASIN TO BE USED DURING CONSTRUCTION TO COLLECT RUNOFF. BOTTOM AGGREGATES SHALL NOT BE INSTALLED UNTIL SITE IS STABILIZED TO AVOID CLOGGING OF AGGREGATE

GENERAL LANDSCAPING, LLC PLANNED COMMERCE/GW-1 PROJECT/APPLICANT 121 KREIGER LANE PROJECT ADDRESS SPECIAL PERMIT SECTION TPZ CHAIRMAN DATE SPECIAL PERMIT APP'D DIRECTOR OF COMMUNITY DEVELOPMENT NOTE: ALL SHEETS OF THIS PLAN SET ARE LOCATED IN THE OFFICE OF COMMUNITY DEVELOPMENT FILE NO.

SOILS DATA TEST PIT 1 DATE: 9-15-21 MATERIAL: 0.0 - 108" RED FINE SAND MOTTLING: NONE GROUNDWATER: NONE

- Compacted Fill

4. Backfill and compact the excavated soil as shown on the uphill side of the barrier to prevent piping. 3. Wedge loose straw between bales to create a continuous EXIST. CB. TF=97.54 PLAN VIEW Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut PLACEMENT AND CONSTRUCTION
OF A STRAW BALE BARRIER PROPOSED PAVEMENT N/F THOMAS KREIGER 2. Staple the wire mesh fencing to end post. 1. Set post and excavate a 6"x6" trench, set post Attach filter fabric to wire fencing and extend it to the trench Filter___Fabric 4. Backfill the trench and compact the excavated soil. EXIST DRAINAGE - EASEMENT IN FAVOR TF=98.10 FL=95.00 OF 121 KREIGER LANE ELEVATION PLAN VIEW CONCRETE BLOCK LANDSCAPE MATERIAL STORAGE BINS Source: U.S. Department of Agriculture, Soil Conservation Service, Storrs, Connecticut PLACEMENT AND CONSTRUCTION
OF A SYNTHETIC FILTER BARRIER \ FL=92.77(N) PROPOSED RECLAIMED : ASPHALT: PAVEMENT: EXIST DRAINAGE EASEMENT IN FAVOR OF 129 KREIGER LANE 198175HP ←CHAIN LINK GATE CONSTRUCTION ENTRANCE (TO BE RELOCATED) -SEE LEGEND — PROP OUTLET STRUCTURE #3 TF=96.50 FL=92.00 197.33 1 14'-15" STORM @ 1.0% PROPOSED 6' HIGH -PROP. STORM MH #4 TF=97.30 CHAIN LINK FENCE WITH BROWN PRIVACY SCREENING FL=91.86 96 TF=97.03 FL 24" RCP "S"=91.48 EXIST. SMH TF=95.69 CONSTRUCTION -ENTRANCE (SEE DETAIL) BENCHMARK T.F. CATCH BASIN ELEV 97.63 <u>LEGEND</u> FL 15" RCP "N"=91.36 FL 15" RCP "N"=91.41 FL 30" RCP "E"=91.06 EXIST. IRON PIN PROP. IRON PIN FL 30" RCP "W"=91.06 EXIST. CHD MONUMENT PROP. CONTOUR EXIST. CONTOUR MINOR -----SEE LEGEND KREIGER EXIST. CONTOUR MAJOR 53.60 PROP. SPOT ELEVATIONS EXISTING LIMIT OF CLEARING .PROPOSED LIMIT OF CLEARING .~~~~~~~~ EXISTING EDGE OF PAVEMENT GRAPHIC SCALE EXIST. 6" BITUMINOUS CURB EROSION CONTROL BLANKET (NORTH AMERICAN GREEN SC-150 OR EQUIVALENT) (IN FEET) 1 inch = 20 ft.

CONTACT NAME: JEFF PELL (860) 209-0751

FRIEND EYORS, LLC ৠ MEGSON, CIVIL ENGINE

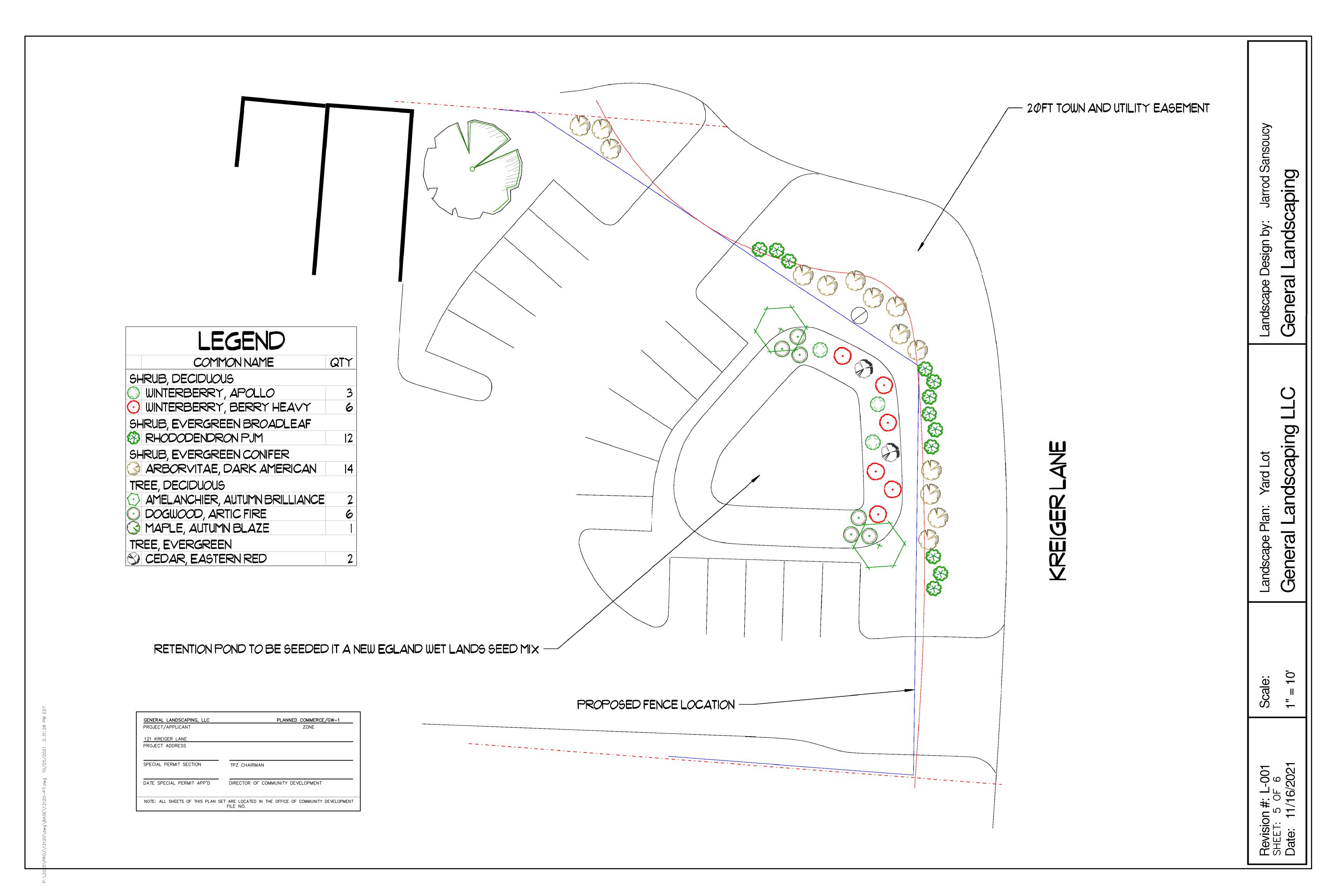
CK. BY: DRW. BY: TCJ

CAPING Y, CONN.

SEDIMENTATION 121 KREIGER L

DATE: 2-18-22 SCALE: 1"=20' SHEET 4 OF 6

MAP NO. 131-20-1ES



GENERAL LANDSCAPING, LLC	PLANNED COMMERCE/GW-
PROJECT/APPLICANT	ZONE
121 KREIGER LANE	
PROJECT ADDRESS	
SPECIAL PERMIT SECTION	TPZ CHAIRMAN

THIS MAP IS NOT VALID IF MODIFIED IN ANY WAY AND/OR 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.

P.E. # 15818

MARK W. FRIEND

MEGSON, HEAGLE & FRIEND
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81 RANKIN ROAD
GLASTONBURY, CONN. 06033
PHONE (860)-659-0587

CONDITIONS OF APPROVAL

121 KREIGER LANE

PREPARED FOR

GENERAL LANDSCAPING, LLC

GLASTONBURY, CONN.

CK. BY: MWF

DRW. BY: TCJ

DATE: 2-18-22

SCALE: 1"=20'

SHEET 6 OF 6

MAP NO.131-20-1BDY