

EROSION AND SEDIMENT CONTROL NOTES:

GENERAL PROJECT NOTES

SECTION A. GENERAL SEQUENCE OF CONSTRUCTION

These guidelines shall apply to all work consisting of 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 a workmanike manner with the stated intention to minimize the time to completion as well as the prevention of the pollution of any inland wettends, watercourses, water badies or conduit carrying surface water. The contractor shall limit, insofer as passible, the surface area of earth materials exposed by construction methods, and to immediately provide permanent and/or temporary pollution control measures to prevent contamination of adjacent wetlands, watercourses or water badies, and to fully manage possible erasion conditions throughout the construction limits. No construction shall commence until the herein stated soil erosion and sediment control plan has been certified and those control measures depicted herein have been fully installed and ore furctional. Also no work is to proceed until a Cornecticut Department of Energy and Environmental Protection permit DEEP-PED-GP-015 has been obtained.

SECTION B. GENERAL CONSTRUCTION NOTES

- 1. Material Storage and Vehicular Traffic Restrictions
- a. Stockpiling of materials shall be confined within the areas of construction disturbance. Material stockpiles shall be maintained in a safe and workmanlike manner. Trash containers and collection points shall be maintained throughout the construction period. All refuse is to be removed to an appropriate facility.
- b. Vehicular movement shall be limited to established construction access points and parking areas. Unaccessory encroachment of construction equipment or other vehicles shall not be allowed in non-construction portions of the property. Vehicular access to areas outside access to areas outside access of disturbance shall be restricted to the minimum necessary to perform essential and required construction activities.
- 2. General Notes
- a. All construction methods to conform to Corn. Department of Transportation Standards and Specifications for Roads, Bridges and incidental Construction (Form 017) and/or the Town of Lisbon standard specifications.
- b. A pre-construction meeting shall be conducted prior to the commencing of all construction
- c. Any unsuitable materials within areas of pavement are to be removed and replaced with suitable material as directed by the Owner.
- d. The Town of Lisbon may require changes to the plans in order to address problems that may arise due to field conditions.
- 3. Construction Notes
- a. All existing utilities are approximate only. It is the responsibility of the contractor to verify all locations prior to construction. "Call Before You Dig" is to be notified prior to any construction. (800-922-4455). The contractor is solely responsible for confirming the location of existing utilities prior to construction and for coordinating connection of existing and proposed utilities.
- b. The contractor is responsible for obtaining all applicable construction permits, prior to construction, from the State of Connecticut, Town of Lisbon along with any other applicable agencies. All agencies are to be notified at least 48 hours prior to construction. A pre-construction meeting is to be held with the Town Planner prior to the commencement of
- c. The E 4 5 Narrative contained in these plans are considered part of the design of this project and are to be consulted as construction details.
- d. All erosion and sedimentation control measures applicable to a given area of construction shall be in place and approved by Town Staff prior to the commencement of work in that area.
- e. All upland areas of proposed fill shall be finish graded with 4° of topsoil and seeded with an appropriate seed mixture based on recommendation appropriate for use and season as delinedted by the Sall Erosion and Sedimentation Central Narrative.
- f. All clearing limits shall be physically marked in the field and approved by Town staff prior to any clearing or grubbing. The contractor shall be responsible for replacement plantings suitable to Town of Lisbon Planning staff for any significant encroachment beyond clearing limits.
- g. All proposed catch basins shall be hooded as detailed in these plans.
- h. All drainage structures and oppurtenances shall be constructed in accordance with specifications set forth by Form 817, (latest revision) and the Town of Lisbon Road and Drainage Standards.
- All excess material resulting from excavation and construction shall be properly disposed
 of off-site. No material shall be placed beyond the limits of construction or within wetland
 order.
- j. All utilities are to be installed and constructed in accordance with specifications set forth by the local governing utility.

All crosion and sediment, control measures and construction practices shall be as described herein and further detailed in the "2002 Connecticut Guidelnes for Soil Erosion and Sediment Control, and as periodically amended, published by the Connecticut Council on Soil and Hater Conservation and the Connecticut Department of Energy and Environmental Practaction.

SECTION A. BEST MANAGEMENT PRACTICES FOR PROTECTION OF THE ENVIRONMENT

- No construction shall proceed until proper sedimentation and erosion control methods have been installed as the sequence of construction necessitates,
- No equipment, materials or machinery shall be stored, cleaned or repaired within one-hundred (100) feet of any wetland or watercourse.
- No materials resulting from any clearing activity shall be disposed of in any wetland or watercourse.
- Fording streams with equipment shall be prohibited unless specified elsewhere. Approval from the Lisbon Inland Metland and Matereourse Commission will be required for any houl road or temporary structure placed in wetlands or undercourse.
- 6. Where dewatering is necessory, the pump shall not discharge directly into any wetland or watercourse. Proper methods and devices shall be utilized, such as pumping the water into a temporary sedimentation pool, providing surpe protection of the inlet and the outlet of pumps, floating the intoke of the pump, or other methods to minimite and retain the suspended solids. If the pumping operation is coaring turbidity problems, soid operation shall coasing turbidity for blems, soid operation shall coasing turbidity ore determined and implemented.
- All temporary fill, storage or stockpile areas shall be properly stabilited to prevent erosion and suitably contained to prevent turbid runoff from reentering a welland or watercourse. All areas affected by temporary fills must be restored to their original containers, and revegetated with suitable vegetation. The use of temporary fill and/or excavation shall be minimized to anly that area required to perform the work.

- 8. Dumping of oil or other deleterious materials on the ground is forbidden. The Developer or Contractor shall provide a means of catching, retaining and properly disposing of derivined ail, removed oil filters, or other deleterious material from equipment used on site. Vehicle mointenance except doily and periodic procedures shall be completed off site. All oil splits shall be immediately reported to the Department of Energy and Environmental Protection/Haardaus Materials Office. Follure to do so may result in the imposition of fines under the applicable Competitud General Statutes.
- 9. Every precaution shall be used while working near a waterway to prevent and minimize the degradation of the existing water quality. All activities shall be in conformance to and consistent with all applicable water quality standards and management practices as set forth by local, state and federal agencies.
- 10. During the period of construction, the Contractor is responsible for all erosion and sediment control measures. Solid measures shall be inspected weekly and after each rainstorm and during a major storm event. Accumulated deposits of sediment and still shall be periodically removed from the upstream side of the erosion and sediment control borriers, and upon establishment of permanent seeding and multiching. Such materials removed shall be spread and stabilized in non-wetland areas which are not subject to erosion, or which are not to be paved or built upon.
- II. Hay boles, sill fencing and other erosion and sediment control measures shall be repaired, cleaned and/or replaced as necessary throughout the construction period in order to maintain complete and integral erosion and sediment control facilities and measures are to remain in place and in proper condition and sediment control facilities and measures are to remain in place and in proper condition and gradient of sold facilities from the final grading has been completed, all disturbed areas up gradient of sold facilities have been completed, all disturbed areas up and the final facilities from the sold to the mountaing. Following such permanent stabilitation, the facilities shall be dismantled, removed, and disposed of in an approved manner. Additional erosion and sediment control measures beyond those shaun on the plans or prescribed herein shall be put in place, whenever necessary, to address field conditions and/or as ordered by the Toun of Lisbon.
- 12. Disturbance of the land shall be limited to the minimum extent necessary to complete the proposed development. All existing trees and strubs shall be conserved where possible, except those whose removal is required to perform the proposed work. The limits of disturbance shall be established in the field prior to starting any actual construction activities and shall be generally as depicted by the grading/site development drawings.

SECTION B. TEMPORARY AND PERMANENT VEGETATIVE COVER

- I. If final grading must be delayed for more than thirty days after the construction activities are completed and/or if permanent seeding is not seasonably possible within thirty days of completion of final grading, temporary soil subdilication measures consisting of howy mulching or temporary seeding shall be performed. This shall also apply to sails stabilitied in excess of sixty days. Temporary seeding shall use annual regregors applied at a rate of 2 lbs. 7/000 34, It. Temporary mulch shall be used free hay or straw, or oir-dried wood chips free of coorse matter, tracted with turbe pounds of nitrogen per lon. Application rate for the mulch shall be sevenly to mirety pounds per one thousand separe feet (70-90 lbs. 7/000 34, It.) for each of per size, and 165-275 lbs. 7/000 34, It. or each of the permitted with turbe pounds of pit. for wood chips.
- Where a permanent seedbed is to be established, there shall be a minimum depth of four inches of topsoil spread, line-graded and roked to remove large stones and other debris, Limestone shall be applied at a rate of ninety pounds per one thousand square feet (40 lbs, 7/000 sq. ft.).
- It is recommended that the soil be tested to determine the best fertilizer application rate; however, the following rates shall generally apply.

4. Spring Seeding

a. Prior to seeding, 300 pounds of 10-10-10 fertilizer per acre (7 lbs,/1000 sq. ft.) shall be worked uniformly into the topsail to a depth of four inches with a whisk, a spring teath harrow or other suitable equipment; then six to eight weeks later surface apply an additional 300 pounds of 10-10-10 fertilizer per acre.

5. Fall Seeding

- Prior to seeding, 600 pounds of 10-10-10 fertiliter per ocre (14 lbs. /1000 sq. ft.) shall worked uniformly into the topsoil to a depth of four inches with a whisk, a spring tooth row or other suitable equipment.
- b. Permanent seedbeds are to be planted between March 15 to June 15 (Spring) and August 15 to October 15 (Fall). All fertillizing/planting applications shall be performed parallel with the final grading of the slope. After seed application, cover gross and legume seeds with not more than 1/4 inch of soil with suitable equipment (except when hydroseeding).
- 6. Select adoated seed mixture for all finished grasses as follows:

Helland Areas				
Reed Canary Grass	35#	28	Ibs/oc	(0.70 lbs/1000 sq. ft.)
Fine Leaf Fescue	352	28	Ibs/oc	(0.70 lbs/1000 sq. ft.)
Bird's foot Trefoil	302	24	lbs/ac	(0.60 lbs/1000 sq. fl.)
Full to Portial 5	Sun Areas			
Kentucky Bluegrass	45%	20	Ibs/oc	(0.50 lbs/1000 sq. ft.)
Creeping Red Fescue	452	20	Ibs/oc	(0.50 lbs/1000 sq. ft.)
Perennial Ryegrass	102	5	Ibs/oc	(0.10 lbs/1000 sq. ft.)
Shody Areas				
Creeping Red Fescue	902	50	Ibs/oc	(1.00 lbs/1000 sq. ft.)
Perennial Ryegrass	IOT	5	lbs/oc	(0.10 lbs/1000 sq. ft.)
Droughly Areas				
Creeping Red Fescue	65%	40	lbs/oc	(0.90 lbs/1000 sq. ft.)
Tall Fescue	35%		20 lbs/	oc (0.50 lbs/1000 sq. ft.)

Immediately following seeding, the seedbeds shall be mulched with straw or hay free from weeds and coarse matter at a rate of seventy to ninety pounds per one thousand square feet (70-90 lbs/1000 sq. ft.). Thick shall be anchered immediately after spreading by application of a liquid mulch binder or mulch netting applied in accordance with the manufacturer's recommendations.

SECTION C INSPECTION

- The Owner, or its duly appointed representative, shall be responsible to inspect the site in accordance with the procedures as autlined in the "General Permit for the Discharge of Stormwater and Dewalering Moste Holers From Construction Activities" (DEP-PED-GP-015) as adopted by the Connecticut Department of Energy and Environmental Protection.
- 2. The Owner shall inspect all disturbed areas of construction activity that have not been finally stabilited, structural control measures, and locations where vehicles enter or cut the site AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND MITHIN 24 MOURS OF THE END OF A STORM EVENT THAT IS OF A MAGNITUDE OF 0.5 MCHES OR GREATER. Where sites have been temporarily or finally stabilited, such inspection shall be conducted at least once every month for three consecutive months.
- 3. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for pollutants entering the drainage system. Erosian and sediment control measures identified in the plan shall be inspected to ensure that they are operating correctly. Where discharge locations or points are assessable, they shall be inspected to ascertain whether erosian control measures are effective in preventing significant imposts to receiving unders. Locations where vehicles onler or self-the site shall be inspected for evidence of off-site sediment fracking.
- 4. A report shall be made summariting the scope of the inspection including the following name and qualifications of personnel making the inspection, the date of the inspection, major observations relating to the implementation of the stormwater control plan, and actions taken. The report shall be retained as part of the stormwater control plan for at least.

three years after the date of inspection

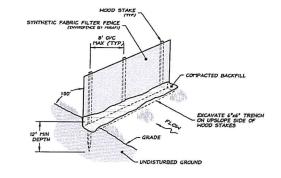
SECTION D MAINTENANCE

- In puring the period of construction, all enotion and adment control measures shall be inspected wietly after each rim ownt and whiring maybe aronn event. Accumulated deposits of sediment and sill shall be periodically remained to the control and sediment control barriers, and upon establishment of permanent seeding and mulching. Such materials removed shall be spread and stabilized in non-wetland cross which are not subject to erosion, and which are not within future construction areas.
- 2. Hay boles, allt fercing and other erosion and sediment control measures shall be repaired, cleared and/or replaced an necessary throughout the construction period in order to maintain complete and integral reasion and sediment control protection. One installed, all erosion and sediment control lacilities and measures are to remain in placened in proper condition and be continuously maintained until final grading has been completed, all disturbed areas up gradient of said facilities have been permanently stabilitied and oil neutre grassed areas had at least two mousings. Following such permanent stabilization, the facilities shall be dismattled, and disposed of in an approved manner.
- Additional erosion and sediment control measures beyond those depicted herein shall be put in place whenever necessary to address field conditions and/or as ordered by the Town of Narwich, or their agent.

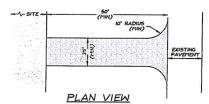
SECTION E RESPONSIBILITY

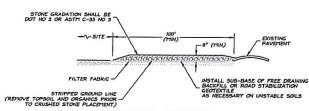
- The owner (or its dully appointed representative) shall be personally responsible for implementing this erasion and sediment control plan and enforcing the prescribed safeguards during the construction period.
- 2. This responsibility includes the installation and maintenance of control measures throughout the construction period, informing all parties engaged on the construction site of the requirements and objectives of the plan, notifying the proper town agencies and official of any transfer of this responsibility, and conveying a copy of the approved erosion and sediment control plan if the title of the land is transferred to a third party.

MINIMUM FILTER FA	BRIC REQUIREMENTS
PHYSICAL PROPERTIES	REQUIREMENTS
FILTERING EFFICIENCY	דואורוטרו
TENSILE STRENGTH AT 201 (MAX) ELONGATION	EXTRA STRENGTH 50 LBS/LI (MIN) STANDARD STRENGTH 30 LBS/LI (MIN)
FLOW RATE	0.30 GAL/SQ.FT./MINUTE



SILT FENCE DETAIL





CROSS SECTION

- I. ENTRANCE WIDTH SHALL BE FORTY-FIVE FOOT (45') MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS
- 2. THE ENTRANCE SMALL BE MAINTAINED IN A COUNTING THAT SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-NAYS, HAICH HAY REQUIRE PERIODIC TOP DRESSING INTH ADDITIONAL STONE AS CONDITIONS DETAND AND REPAIR OR CLEANCUT OF ANY MEASURES USED TO TRAP SEDIMENT
- 3. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY HUST BE REMOVED IMPEDIATELY, AND PERIODIC INSPECTION AND PHAINTENANCE SHALL BE PROVIDED AS NEEDED

TEMPORARY CONSTRUCTION ENTRANCE NOT TO SCALE

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PREPARED FOR

KEITH MACKIN

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TIME THE EXISTING SITE CONDIDONS AND TO
OF PROPERTY OWNED BY
TODAY'S REALTY
PREPARED FOR
KEITH MACK! EROSION 2019-107 8 SEPTEMBER 2021

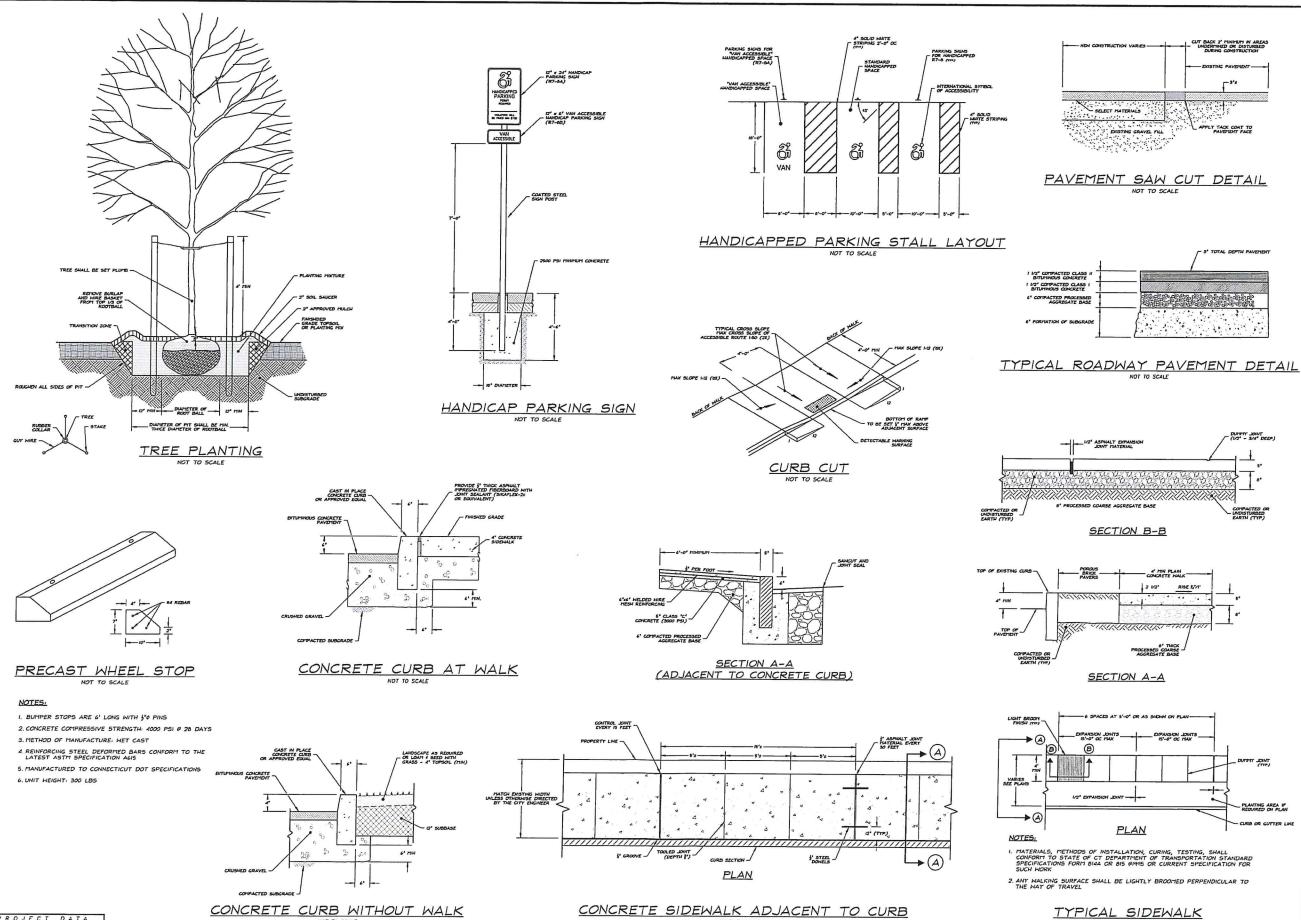
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ASSOCIATES, INC.
S. ENVIRONMENTAL PLANNERS SURVEYOO MISCELLANEOUS DETAILS

' DEPICTING THE EXISTING SITE CONDITIONS AND TOPOGRAPHIC FEATURES

OF PROPERTY OWNED BY

TODAY'S REALTY, LLC

RETTH MACKIN

240 PAPER MILL ROAD - LISBON, CONNECTIOUT 2019-107 8 SEPTEMBER 2021

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NOT TO SCALE

