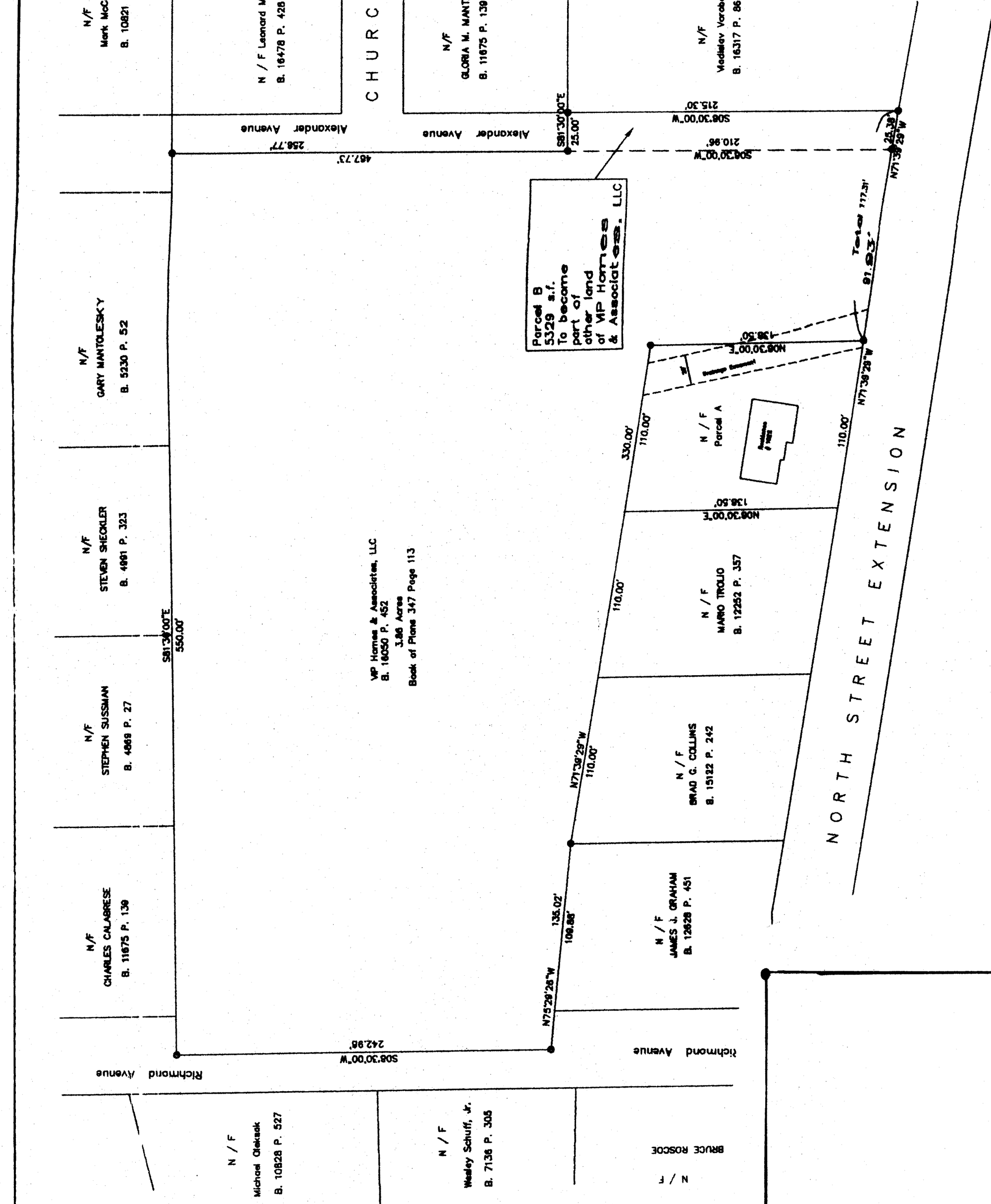


PERMANENT SEEDING

Dates: April 15 - June 15 or Aug. 15 - Sept. 15

No.	Seed Mixture	Lbs/Acre	Lbs./1000 sq. Ft.	
1.	Kentucky Bluegrass			
	Creeping Red Fescue	20	.45	Lawn Areas
	Perennial ryegrass	20	.45	Regular mowing
		5	.10	required
	Total	45	1.00	
2.	Creeping Red Fescue	20	.45	
	Redtop	2	.05	
	Tall Fescue or Smooth bromegrass	20	.45	Naturalized area
	Total	42	.95	Offers Wildlife food and cover
3.	Creeping Red Fescue	20	.45	Mowing recommended
	Bird's-foot trefoil with inoculant	8	.20	Once a year
	Tall Fescue or Smooth bromegrass	20	.45	after July
	Total	48	1.10	
4.	Bird's-foot trefoil with inoculant	8	.20	Naturalized area
	Crownvetch with inoculant	15	.35	-steep banks
	Creeping Red Fescue, Tall Fescue or Smooth bromegrass	20	.45	No Mowing Required
	Total	43	1.00	

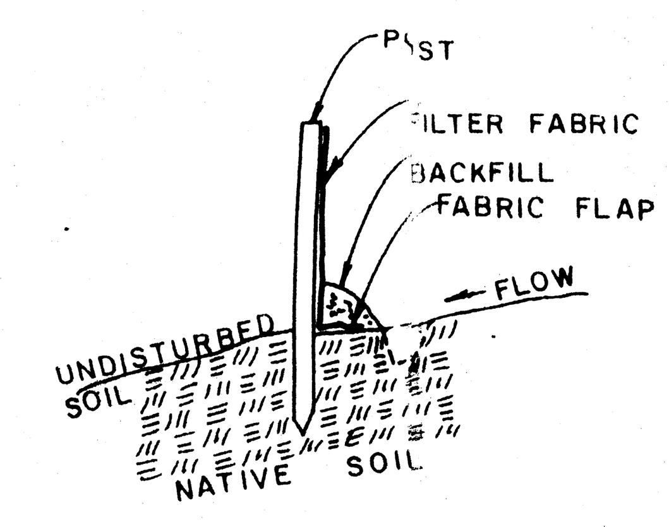
FERTILIZER: 10-10-10 300 lbs/acre or 7.5lbs/1000 sq. ft.
LIME: Lime 3 tons/acre or 135 lbs/1000 sq.ft.

TEMPORARY SEEDING RATES AND DATES

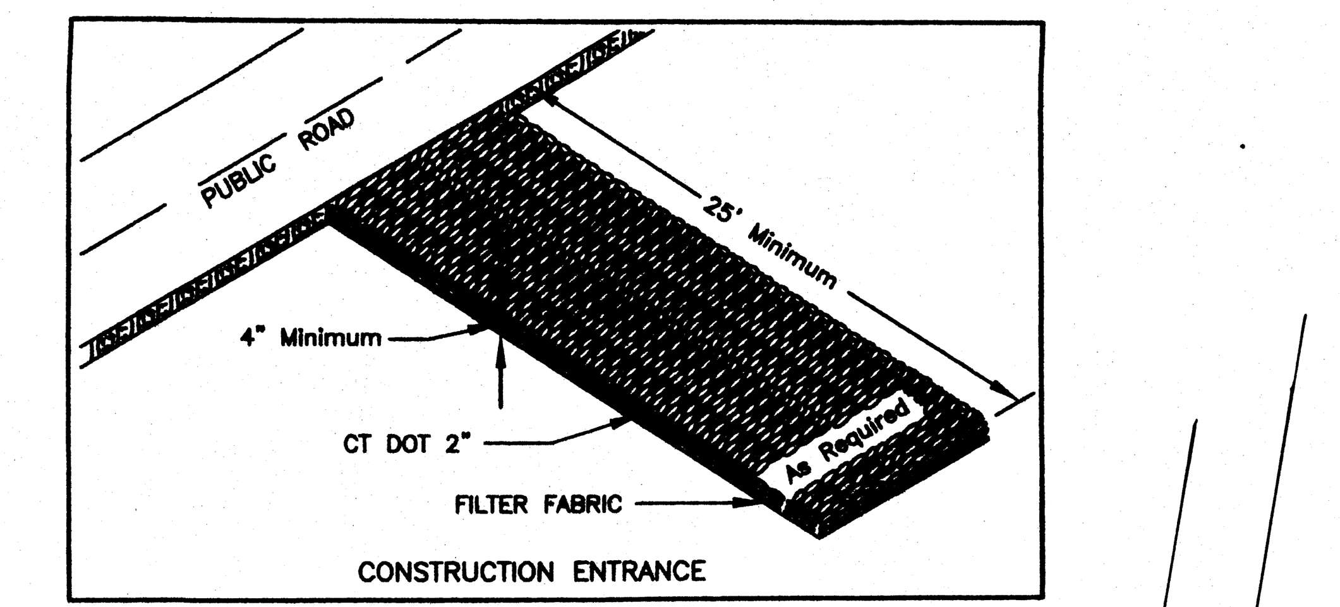
SPECIES	SEEDING RATES(pounds) per acre	per 1000 sq.ft.	OPTIMUM SEEDING: DATE	DEPTH
Annual ryegrass	40	1.0	3/1-6/15 8/1-10/1	0.5
Winter rye	120	3.0	4/15-6/15 8/15-10/15	1.0
Buckwheat	15	0.4	4/1-9/15	1.0

CONSTRUCTION SEQUENCE AND PROCEDURE FOR EROSION AND SEDIMENT CONTROL

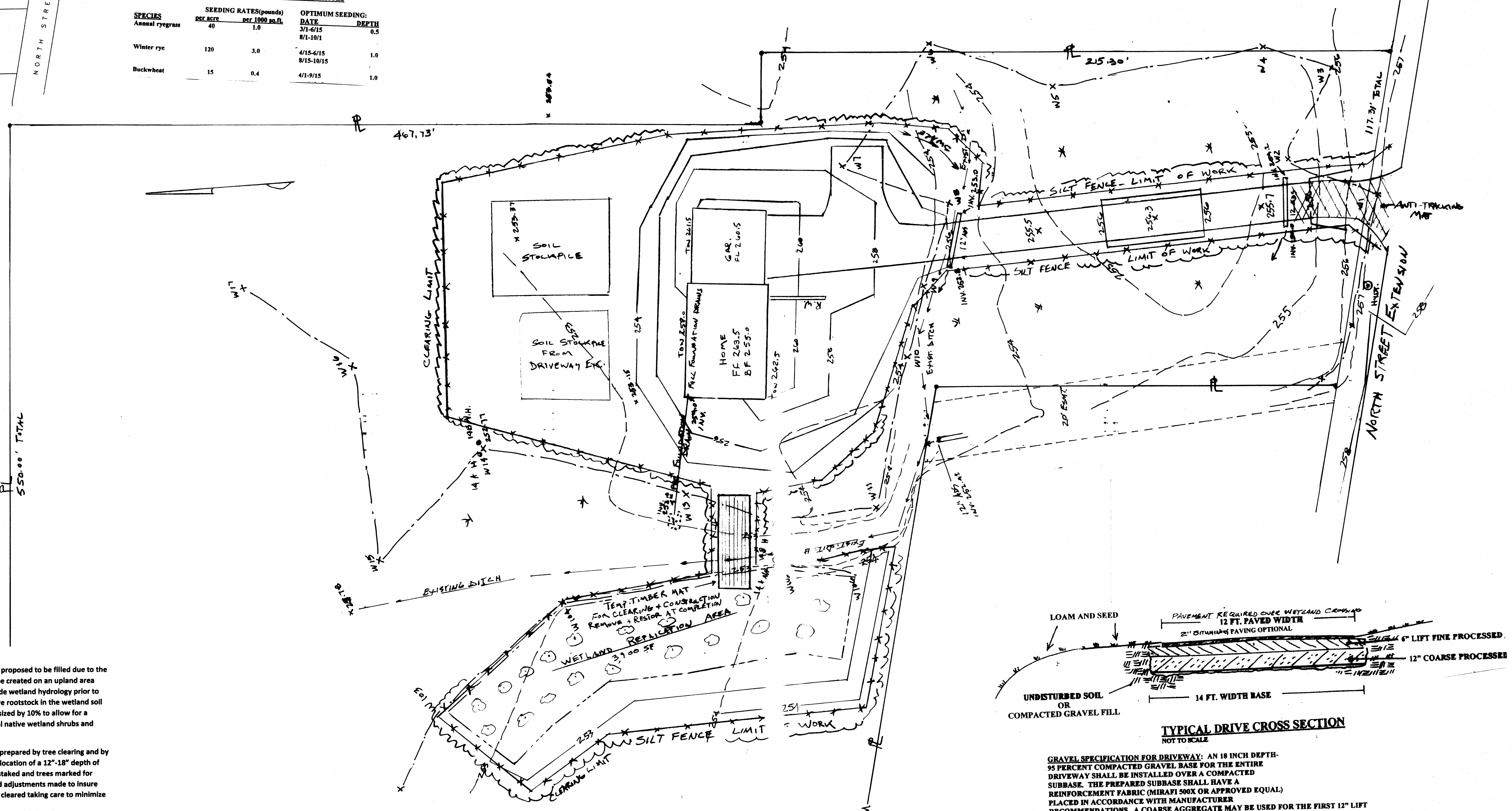
1. WORK LIMIT AND SILT FENCE LOCATION: Before any alteration or other work, flag or stake limit of work and proposed sediment barrier locations as shown on the plan. Sediment barrier and/or flagged work limit line shall serve as a limit of work for the project. No grading, construction, equipment traffic, stockpiles, or other alteration is allowed on the river side of the silt fence.
2. SILT FENCE INSTALLATION: Before any other site work, install fence (with skirt trenched in or buried to prevent wash under) in locations as shown on plan.
3. CONSTRUCTION: Proceed with work as required by plans, construction notes, and Conservation Commission requirements. No fill or temporary stockpiles shall be placed directly against the sediment barriers. Sediment barriers shall be inspected daily during grading and after all rainstorms by the responsible individual on site, and shall be kept in functioning condition until permanent vegetation is established. Sediment shall be removed from silt fence if depth reaches 6".
4. PERMANENT COVER: As soon as feasible after finish grading and topsoil/loam placement, the finished portions of the site shall be seeded or planted to permanent vegetative cover (season permitting) in accordance with applicable USDA, SCS guidelines, including loam, lime, fertilizer, and mulch. Sediment barriers shall be removed only after permanent cover is established sufficiently to protect the soil from erosion.



FILTER FABRIC SILT FENCE



ANTI-TRACKING PAD DETAIL



TYPICAL DRIVE CROSS SECTION

NOT TO SCALE

GRAVEL SPECIFICATION FOR DRIVEWAY: AN 18 INCH DEPTH-95 PERCENT COMPACTED GRAVEL BASE FOR THE ENTIRE DRIVEWAY SHALL BE INSTALLED OVER A COMPACTED SUBBASE. THE PREPARED SUBBASE SHALL HAVE A REINFORCEMENT FABRIC (MIRAFI 500X OR APPROVED EQUAL) PLACED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS. A COARSE AGGREGATE MAY BE USED FOR THE FIRST 12" LIFT AND IS SUITABLE FOR A CONSTRUCTION DRIVEWAY. A SECOND 6" LIFT SHALL BE PLACED PRIOR TO PAVING. BEFORE PAVING, THE COMPACTED GRAVEL BASE SHALL BE TEST-ROLLED WITH A MINIMUM GROSS VEHICLE WEIGHT OF 50,000 LBS.

THE GRADATION REQUIREMENTS FOR GRAVEL SHALL BE AS FOLLOWS:

FINE PROCESSED AGGREGATE SPECIFICATIONS

SQUARE MESH SIEVES	PERCENT PASSING BY MASS
37.5mm.	100
25mm.	90-100
19mm.	75-100
6.3mm.	30-60
4.25mm.	5-25
1.50mm.	3-12

WETLAND REPLACEMENT

The proposed wetland replacement is being performed to replace wetland area proposed to be filled due to the construction of a driveway for a single family home. A wetland replication will be created on an upland area adjacent to the site. The replacement area will be prepared by grading to provide wetland hydrology prior to relocating wetland soil from the area of disturbance. As much as possible, native rootstock in the wetland soil will be transplanted to the replacement site. The replacement area will be oversized by 10% to allow for a transitional zone and insure that a minimum 1:1 replacement occurs. Additional native wetland shrubs and trees will be provided from a nursery to complement the wetland replacement.

WETLAND REPLACEMENT PROCEDURE: The wetland replacement area shall be prepared by tree clearing and by lowering the grade sufficiently to provide wetland hydrology anticipating the relocation of a 12"-18" depth of wetland soil. Prior to commencing work, the limits of excavation shall be field-staked and trees marked for clearing. Clearing limits shall be checked by the wetland specialist, and any field adjustments made to insure that remaining trees are not subject to uprooting due to wind. The site shall be cleared taking care to minimize damage to vegetation and soils in the adjacent b.v.w.

Silt fencing according to plans shall be provided immediately following clearing work, and prior to any excavation work.

Preparation of the replacement area by excavation shall be performed with the wetland specialist on site to observe and field adjust to insure that hydric conditions are present.

Remove the stumps off site prior to excavation of the replacement area. Excavate the replacement area to the desired grade, remove excess soil from the site. The wetland specialist shall be on site for this process.

The wetland soil designated to be moved (see plan) shall be excavated 18" deep and stockpiled for use in the replacement area. A 12" minimum depth of wetland soil is required. Some unevenness in finished grade is allowable, as it simulates pit and mound topography found in wooded wetlands.

Native rootstock shall be supplemented with nursey-grown native species from the plant list. Spring or fall planting is required consistent with USDA-NRCS standards.

After the first and second complete growing season, the replacement area shall be evaluated for successful re vegetation by the wetland specialist. At least 75% of the nursery stock shall be established following the first growing season.

Following successful re-vegetation of the replacement area, the site contractor shall remove the silt fence from the site.

DRIVEWAY CONSTRUCTION PROCEDURE: Driveway construction shall proceed first to access site. Tree clearing, silt fencing, and stump removal shall be performed. Removal of wetland soils shall be with the environmental consultant on site. A prepared stockpile area shall be designated.

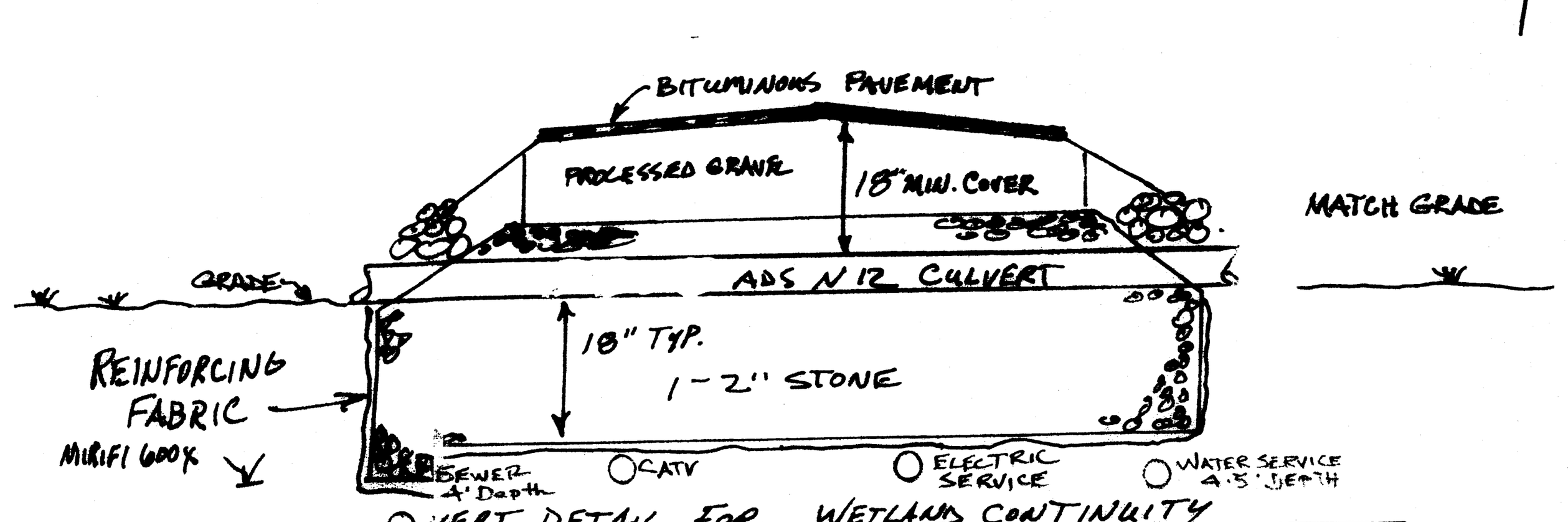
PLANT LIST

Trees (4-6 Ft.)
2 - River Birch, Betula *nigra*
4 - Flowering Dogwood, Cornus *florida*
2 - Swamp White Oak, Quercus *bicolor*
2 - Pin Oak, Quercus *palustris*

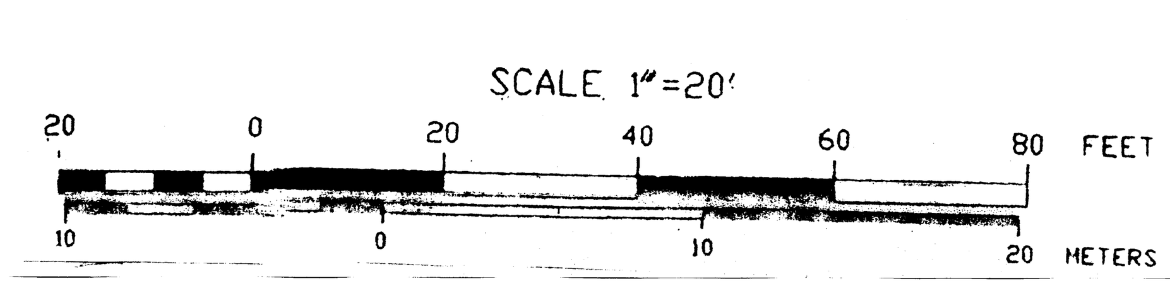
Shrubs (2-3 ft.)
2 - Shadblow/Serviceberry, Amelanchier *candensis/arborea*
8 – Highbush Blueberry, Vaccinium *corymbosum*

Ferns
4 - Sensitive Fern, Onoclea *sensibilis*
4 - Royal Fern, Osmunda *regalis*

Herbaceous Plants
6 - Blue Flag Iris, Iris *versicolor*



DRIVEWAY CULVERT DETAIL FOR WETLAND CONTINUITY
NTS



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ATTACHMENT TO NOTICE OF INTENT

CONSERVATION & SITE PLAN

1014 NORTH STREET EXT.
FEEDING HILLS, MA 01030
(ASSESSOR'S PARCEL ID - D 13 2 10)

PREPARED FOR:
VIP HOMES & ASSOCIATES, LLC
29 AVALON PLACE, FEEDING HILLS, MA 01030
PREPARED BY:
MICHAEL MOCKO ENVIRONMENTAL CONSULTANT
36 HAMPDEN ROAD, STAFFORD SPRINGS, CT 06076
TELEPHONE: (860) 684-7205
SURVEYOR:
ANDERSON ASSOCIATES
375 WALNUT STREET EXTENSION, P.O. BOX 382
AGAWAM, MA 01001
TELEPHONE: (413) 525-4145

SCALE: 1" = 20' DATE: SEPTEMBER 12, 2022