Permit Number Date issued Expiration Date File Number	Permit Application for Part 91 Soil Erosion and Sedimentation Control Chapter 154 Codified Ord. & Fee Schedule Chapter 157 Codified Ord. Zoning Ord.
	Single Lot Grading Permit
Applicant (Please of	Single Lot Grading Permit ck if applicant is the landowner or designated agent)
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	ck if applicant is the landowner or designated agent)

Office Use Onl	ly
Fee	
Received By	

Date

Name	☐ Landowne	ı 🗆 Des	signated A	Agem						
Address										
City					State	Zip)		Telephon	e
Location										
Section	Town	Range	Tov	wnship			City/Village			County
Subdivision		Lot No.		Tax	ID Number			Street Address		
Proposed	d Earth Chan	ıge		Project 7	Гуре: □ Resid	ential	☐ Industrial	☐ Multi-fa	mily	☐ Land Balancing
escribe Projec	t:								Siz	ze of earth change (acres or sq. ft.)
me of and dis	stance to nearest lake,	s, stream, or drain				Date of	of start		Date	e of completion
Soil Eros	sion and sedin	mentation	Cont	rol Plai	n (Refer to R	ule 3	23.1703)			
					hed for other	r tha	n single famil	y residential	l home	es.
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Designated Agent must have a written statement from the landowner authorizing him/her to secure a permit in the landowners name.

Print Name

Designated Agent's Signature

City of Burton Soil Erosion and Sedimentation Control Plan Submittal Checklist

The following information shall be provided with all SESC plans submitted to this office:

Legal descr	iption and/or survey of site.
	ketch to scale of 1 inch = 200 feet, indicating the site location, as well as the operties within 500 feet of the site boundaries.
	e plan (scale of not more than 1"=100', or scale agreeable with the director) of the th the items below clearly labeled: (Residential submitted on letter or legal paper)
A	Name, address, and telephone number of owner, developer, and petitioner
В	A time schedule indicating the anticipated starting and completion dates of the development sequence and the time exposure of each area prior to the completion of effective erosion and sediment control measures.
C	Project Name, Location, proximity to Waters of the State (lake, stream, drain, wetlands) and the 100-year floodplain contour for those waters.
D	A certified Statement of quantity of excavation and soil type of fill involved.
Е	Existing and proposed topography at a maximum if 5-foot contours intervals.
F	Location of any structure of natural feature on the site.
G	Location of any structure of natural feature on the land adjacent other site and within 50 feet of the boundary line.
Н	Description and location of ALL temporary and permanent soil erosion measures, with measures clearly drafted and labeled with the Mich. Unified Keying System.
I	A program proposal for continued maintenance of all permanent soil erosion control facilities which remain after project completion, including the designation of the person responsible for the maintenance. Maintenance responsibilities shall become part of any sales or exchange agreement for the land on which the permanent soil erosion control measures are located.
J	Location of any proposed additional structures or development on the site.
K	Elevations, dimensions, location, extent and slope of all proposed earth change.
L	The estimated total cost of required controls
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	M	devices, or other protective d	ons, retaining walls, cribbing, planting evices to be constructed in connection with a map showing the drainage ar	ion with, or as part of
	N	Other information or data as investigation report which sh	stimated runoff of the area served by may be required by the Director, su all include, but not be limited to, da porting ability of existing soils and r	ch as a soil ta regarding the
3	A completed	Soil Erosion and Sedimentation	n Control application.	
4	A completed	construction and maintenance	schedule (included in packet)	
5		y state require permits for comp f a state regulated wetland and/	=	
6		er deed, parcel plan or record main the last two years.	nap for land division that has been	
I hereby c	certify that the a	above information has been pro	ovided with the submitted plans.	
Name of I	Party Preparing	Checklist:		
Signature	:		Date:	

SESC CONSTRUCTION AND MAINTENANCE SCHEDULE

Project Name:	
Anticipated Start Date:	
Anticipated End Date:	

CONSTRUCTION SCHEDULE

Construction Sequence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Notes
Temporary SESC Measures													
Strip and Stockpile													
Rough Grading													
Underground Utilities													
Road Installation													
Building Construction													
Permanent SESC Measures													
Final Grade													
Landscaping													

MAINTENANCE SCHEDULE

Maintenance Sequence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Notes
Street Sweeping													
Silt Fencing													
Maintain Buffer Strips													
Inlet Structures													
Seeding and Mulch													
Sediment Basins													
Rip-Rap													
Remove Temporary Measures													

SEEDING AND PLANTING SCHEDULE

Temporary: (Refer to Tables 4 & 6 in MDEQ " Guidelines for Vegetation Erosion Control" included in this packet)

Area on Plan	Mix #	Common Name	Natural Drainage Class Suitability	Suitable Uses	Rate Ld/ Acre	Notes

Permanent: (Refer to Tables 4 & 6 in MDEQ " Guidelines for Vegetation Erosion Control" included in this packet)

Area on Plan	Mix #	Common Name	Natural Drainage Class Suitability	Suitable Uses	Rate Ld/ Acre	Notes

Troos and Shrubs: (Refer to Table 7 in MDEQ " Guidelines for Vegetation Erosion Control" included in this packet)

Area on Plan	Quantity	Common Name	Scientific Name	Drainage Class	Notes

TABLE 4. EXAMPLE SEEDING MIXTURES FOR INTRODUCED SPECIES

Mix#	Common Name	Natural Drainage Class Suitability	Suitable Uses	Rate Ld/ Acre
1	Creeping red fescue	WD, MWD	A, C/F, WW	40
2	Creeping red fescue White clover, red clover, or alfalfa	WD, MWD	C/F	30 4
3	Smooth bromegrass Creeping red fescue White clover, red clover, of alfalfa	WD, MWD	C/F	15 15 4
4	Smooth bromegrass alfalfa	WD, MWD	C/F, WW	30 4
5	Smooth bromegrass Creeping red fescue	WD, MWD	C/F, WW	20 20
6	Kentucky bluegrass Creeping red fescue	MWD	A, C/F	20 20
7	Creeping red fescue Tall fescue	MWD	C/F, WW	20 20
8	Creeping red fescue Creeping bentgrass	MWD, SPD	A, C/F	40 1
9	Smooth bromegrass Tall fescue	MWD, SPD	C/F, WW	20 20
10	Smooth bromegrass Timothy Red clover	MWD, SPD	C/F, WW	15 4 4
11	Smooth bromegrass Creeping red fescue Kentucky bluegrass Birdfoot trefoil	MWD, SPD	C/F, WW	10 10 10 4
12	Tall fescue Creeping bentgrass	SPD, PD	C/F, WW	40 1
13	Tall fescue Alslike clover or birdfoot trefoil	SPD, PD	C/F, WW	20 8
14	Redtop Timothy Alsike clover or birdfoot trefoil	SPD, PD	C/F	2 5 2
15	Tall fescue Smooth bromegrass Creeping bentgrass Birdfoot trefoil	SPD, PD	C/F, WW	12 12 1 6
16	Tall fescue Redtop	SPD, PD, VPD	C/F, WW	20 2

Table 4 continued on the following page: notes are found at the bottom of the table

TABLE 4. EXAMPLE SEEDING MIXTURES FOR INTRODUCED SPECIES (CONTINUED)

17	Redtop Alsike clover or birdfoot trefoil	PD, VPD	C/F	4 2
18	Creeping red fescue Kentucky bluegrass Redtop Timothy Alsike clover	See Notes 1	C/F	8 8 1 2 3
19	Creeping red fescue Redtop Tall fescue Smooth bromegrass Alsike clover or birdfoot trefoil White clover, red clover, or alfalfa	See Notes 1	C/F, WW	6 1 6 6 3 3

Notes:

Five pounds of annual or perennial ryegrass may be added to any mixture if quick cover is desired.

1. These mixtures are suitable for large or linear projects where several soil types may be encountered but a single seed mixture is desired for the entire project.

TABLE 6. EXAMPLE SEEDING MIXTURES FOR INTRODUCED SPECIES

Common Name	Scientific Name	Seeding Rate Ibs/acre	Drainage Class Suitability	Notes
American beachgrass	Ammophila Breviligulata		Dunes, WD sands	1
"Tioga" deertounge	Panicum clandestinum	15	WD, MWD	2,3
Little bluestem	Schizachynum scoparius	12	WD, MWD	2
Big bluestem	Andropogon gerardii	15	WD, MWD, SPD	2
Switch grass	Panicum virgatum	10	WD, MWD, SPD	2
Indian grass	Sorghastrum nutans	10	WD, MWD, SPD	2

Notes:

- 1. Beachgrass is planted vegetatively: see text
- 2. Warm season grasses
- 3. Suitable for sand and gravel pit and mine reclamation

A great variety of native species are available: consult suppliers for cultural information

Key for information in Tables 4, 6 and 7

Abbreviations for Soil Natural Drainage Classes:

WD = Well Drained MWD = Moderately Well Drained

SPD = Somewhat Poorly Drained PD = Poorly Drained VPD = Very Poorly Drained

Abbreviations for Suitable Uses (table 4)

A = Sites maintained as a lawn C/F = Cut and fill, slopes, ditch banks

WW = areas subject to periodic storm water flow such as grassed waterways, ditch bottoms, diversions

Species shown in bold face may be invasive and should not be planted where they can escapes into sensitive natural areas.

TABLE 7. SELECTED TREES AND SHRUBS FOR EROSION CONTROL

Common Name	Scientific Name	Drainage Class Suitability	Notes
Evergreen Trees			
Jack pine	Pinus banksiana	WD, MWD, SPD	
Red pine	Pinus resinosa	WD, MWD	
White pine	Pinus strobus	MWD, SPD	
Norway Spruce	Picea Abies	WD, MWD	1
Deciduous Trees			
Quaking aspen	Populus tremuloides	WD, MWD, SPD	
Bigtooth aspen	Populus grandidentata	WD, MWD	
Hybrid poplar	Populus spp.	WD, MWD, SPD	1
Red maple	Acer rubrum	ADAPTABLE	
Silver maple	Acer saccharinum	MWD, SPD, PD	
Hawthorn	Crataegus spp.	Varies by species	3
Black willow	Salix nigra	SPD, PD, VPD	
With the exception of hawth selected for their potential u	orn the trees listed above are fast grouse in windbreaks	owing and	
Northern bayberry	Myrica pensylvanica	WD, MWD	1, 2
Fragrant sumac	Rhus aromatica	WD, MWD	2
Staghorn sumac	Rhus typhina	WD, MWD	
Gray dogwood	Cornus foemina (racemosa)	WD, MWD, SPD	
Red-osier dogwood	Cornus stolonifera	SPD, PD, VPD	
Cranberry-bush viburnum	Viburnum opulus (trilobum)	SPD, PD, VPD	
Shrub willows	Salix spp.	SPD, PD, VPD	
Blackberry / raspberry	Rubus spp.	Varies by species	3

The shrubs listed above are selected for vigorous and extensive root growth. Willows are particularly useful for stream bank stabilization; they will sprout from cuttings or branch bundles if moisture is adequate.

Notes:

- 1. These species are not native to Michigan
- 2. These species may not be cold hardy in the Northern Lower or Upper Peninsula
- 3. Thorny species useful for excluding humans where foot traffic may create erosion sites.