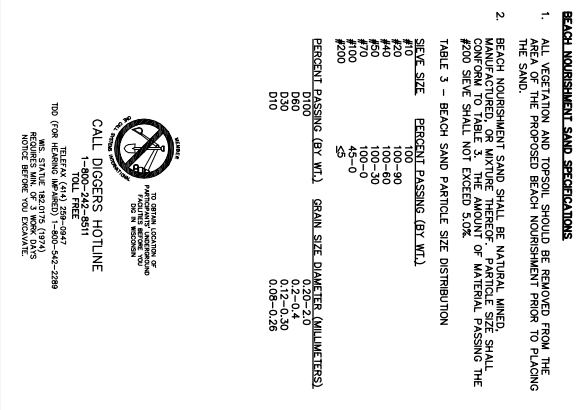


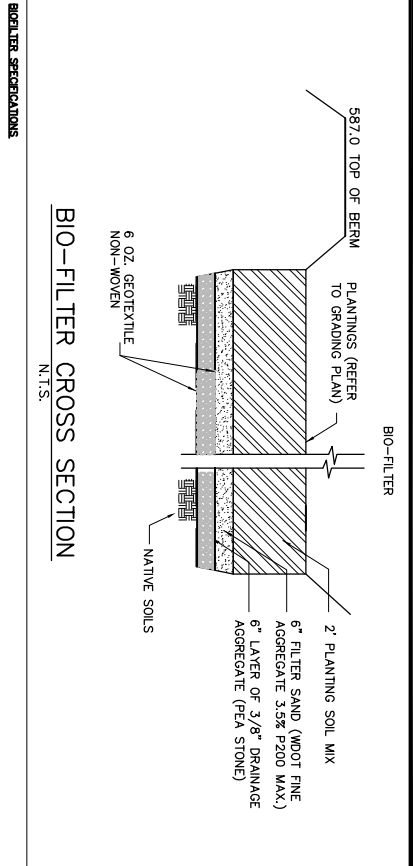
- GENERAL NOTES**
- DIMENSIONS TAKE PRECEDENCE OVER SCALE. CONTRACTOR TO VERIFY ALL DIMENSIONS IN FIELD.
 - BEFORE CONSTRUCTION OF ANY IMPROVEMENTS, THE CONTRACTOR MUST CALL DIGGERS HOTLINE SERVICE AND THE VILLAGE OF EGG HARBOR FOR THE LOCATION AND STRIKING OF ALL EXISTING UNDERGROUND UTILITIES.
 - ALL CONSTRUCTION SIGNING AND TRAFFIC CONTROL TO BE IN ACCORDANCE WITH THE VILLAGE OF EGG HARBOR AND WISCONSIN DEPARTMENT OF TRANSPORTATION REQUIREMENTS.
 - THE PROPOSED IMPROVEMENTS SHALL BE CONSTRUCTED ACCORDING TO THE ORDINANCES AND REGULATIONS OF THE VILLAGE OF EGG HARBOR AND THE STATE OF WISCONSIN DOT, DCDM, AND WISCONSIN DEPARTMENT OF TRANSPORTATION.
 - THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH REQUIREMENTS OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION AND THE VILLAGE OF EGG HARBOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION AND THE VILLAGE OF EGG HARBOR PRIOR TO THE START OF CONSTRUCTION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE WISCONSIN DEPARTMENT OF TRANSPORTATION AND THE VILLAGE OF EGG HARBOR PRIOR TO THE START OF CONSTRUCTION.
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- IDENTIFICATION OF EROSION CONTROL MEASURES**
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE WISCONSIN STANDARDS AND THE VILLAGE OF EGG HARBOR REQUIREMENTS.
 - MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE D.O.T. EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL AT A MINIMUM PREVENTION EVENT THAT PRODUCES 0.5 INCHES OF RAIN OR MORE SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD AS POSSIBLE WITH CONSIDERATION GIVEN TO SITE CONDITIONS.
 - ALL SEDIMENT CONTROL MEASURES SHALL BE ADJUSTED TO MEET FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND INSTALLED BEFORE ANY GRADING OR DISTURBANCE OF EXISTING SURFACE.
 - ALL TEMPORARY SOIL EROSION PROTECTION SHALL REMAIN IN PLACE UNTIL PERMANENT EROSION CONTROL MEASURES ARE INSTALLED AND LONGER SUSCEPTIBLE TO EROSION.
 - TRACKING PADS SHALL BE INSTALLED PRIOR TO ANY TRAFFIC LEAVING THE SITE. AT ALL CONSTRUCTION SITE EXITS TO PREVENT TRACKING OF SOIL OR OTHER MATERIALS OFF SITE, TRACKING PADS SHALL BE INSTALLED AT THE END OF EACH WORK DAY.
 - OVERLAND FLOW SHALL BE PREVENTED FROM LEAVING THE WORK SITE BY CONSTRUCTING AND MAINTAINING TRACKING PADS THROUGHOUT THE CONSTRUCTION PERIOD.
 - IF THERE ARE DISCREPANCIES BETWEEN THESE DETAILS AND THE ONE CONTRACTOR STANDARDS FOR SEDIMENT AND EROSION CONTROL, THE MORE RESTRICTIVE REQUIREMENT SHALL BE FOLLOWED.



- BEACH NOURISHMENT SAND SPECIFICATIONS**
- ALL VEGETATION AND TOPSOIL SHOULD BE REMOVED FROM THE AREA OF THE PROPOSED BEACH NOURISHMENT PRIOR TO PLACING THE SAND.
 - BEACH NOURISHMENT SAND SHALL BE NATURAL, UNWED, MANUFACTURED SAND. THE AMOUNT OF MATERIAL PASSING THE #200 SIEVE SHALL NOT EXCEED 5.0%.
- | SIEVE SIZE | PERCENT PASSING (BY WT.) |
|------------|--------------------------|
| #20 | 100-90 |
| #40 | 100-80 |
| #60 | 100-70 |
| #80 | 100-60 |
| #100 | 100-50 |
| #150 | 100-40 |
| #200 | 5-5 |

- CALL DIGGERS HOTLINE**
- 12-19-07
 AVERAGE (2000-2007)
 HISTORIC LOW
 HISTORIC HIGH
- 577.3
 577.6
 580
 582.9
- CALL WATER LEVEL**
- WQV ELEVATED
 577.3
 577.6
 580
 582.9
- CALL WATER LEVEL**
- WQV ELEVATED
 577.3
 577.6
 580
 582.9



GRADING PLAN

3.03 EXCAVATION

A. PROJECT FACILITY FROM SEDIMENTATION UNTIL CONSTRUCTION SITE IS STABILIZED. SUBMIT PROTECTION PLAN TO OWNER.

B. EXCAVATE TO THE LINES AND GRADES SHOWN ON THE DRAWING.

C. DO NOT OVER EXCAVATE OR COMPACT THE BASE OF THE EXCAVATION.

3.04 MOUND

A. MIX THE RIGHT SOIL MIX WITH 1\"/>

- BIO-FILTER CROSS SECTION**
- 1.02 QUALITY ASSURANCE**
- ASTM C 117 AND C 136 TESTS ON SAND USED FOR PLANTING SOIL MIX AND FOR SAND USED AS A FILTER BENEATH THE BIO-FILTER SOIL MIX.
 - MINERAL NITRITEN ANALYSIS ON BIO-FILTER SOIL MIX.
 - SOLUBLE CHLORIDE ANALYSIS ON BIO-FILTER SOIL MIX.
 - ASTM D 4951 BULK DENSITY TEST FOR THE BIO-FILTER SOIL MIX.
 - LOSS ON IGNITION FOR TOP SOIL.
 - 1.03 SUBMITTALS
- RESULTS OF LABORATORY TESTS PERFORMED ON REPRESENTATIVE MATERIALS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO DELIVERY TO THE SITE.
- 1.03 SUBMITTALS**
- COMPOST TEST RESULTS FOR CLASSIFICATION, ORGANIC MATTER, PH, CATIONICITY, AND WATER LEACH TESTS ON SAME SOURCE AND PRODUCTION PROCESS WITHIN LAST 12 MONTHS ON ANY INDUSTRIAL COMPOST.
 - COMPOST TEST RESULTS FOR CLASSIFICATION, ORGANIC MATTER, PH, CATIONICITY, AND WATER LEACH TESTS ON SAME SOURCE AND PRODUCTION PROCESS WITHIN LAST 12 MONTHS ON ANY INDUSTRIAL COMPOST.
 - COMPOST TEST RESULTS FOR CLASSIFICATION, ORGANIC MATTER, PH, CATIONICITY, AND WATER LEACH TESTS ON SAME SOURCE AND PRODUCTION PROCESS WITHIN LAST 12 MONTHS ON ANY INDUSTRIAL COMPOST.
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 - COMPOST TEST RESULTS FOR CLASSIFICATION, ORGANIC MATTER, PH, CATIONICITY, AND WATER LEACH TESTS ON SAME SOURCE AND PRODUCTION PROCESS WITHIN LAST 12 MONTHS ON ANY INDUSTRIAL COMPOST.
- PART 2 - PRODUCTS**
- 2.01 BIO-FILTER SOIL MIX
- THE BIO-FILTER SOIL SHALL CONSIST OF A MIXTURE OF SAND, TOPSOIL, AND MATURE COMPOST THAT IS SUITABLE FOR INITIAL AND LONG-TERM SUPPORT OF PLANTINGS.
 - MANURE COMPONENTS SHALL BE ADDED AS NEEDED TO SUPPORT PLANT GROWTH AND/OR MAINTAIN HYDRAULIC CONDUCTIVITY. MANURE SHALL BE 500 PPM AT 35 LB/AFC, PHOSPHORUS (AS P2O5) AT 75 LB/AFC, AND POTASSIUM (AS K2O) AT 85 LB/AFC. SOLUBLE SALTS SHALL NOT EXCEED 500 PPM AND SHALL BE NATURAL, UNWED, MANUFACTURED, OR MATURE THEREOF. CONSISTING OF WATER INSOLUBLE MINERALS THAT ARE RESISTANT TO PHYSICAL AND CHEMICAL WEATHERING. PARTICLE SIZE SHALL CONFORM TO TABLE 2. THE AMOUNT OF MATERIAL PASSING THE #200 SIEVE SHALL NOT EXCEED 3.5%.
- | SIEVE SIZE | PERCENT PASSING (BY WT.) |
|------------|--------------------------|
| 3/8" | 100 |
| 1/2" | 100 |
| 3/4" | 100 |
| #4 | 95-100 |
| #10 | 90-100 |
| #20 | 80-100 |
| #40 | 40-85 |
| #60 | 20-80 |
| #80 | 10-70 |
| #100 | 2-10 |
| #150 | 2-10 |
| #200 | 2-10 |
- 2.02 SAND FILTER LAYER
- THE SAND FILTER LAYER SHALL CONSIST OF NATURAL UNWED MATERIAL. MATERIAL SHALL HAVE PARTICLE SIZE DISTRIBUTION CONFORMING TO MOOT REQUIREMENTS SHOWN ON THE DRAWINGS.
- 2.03 DRAINAGE AGGREGATE LAYER
- DRAINAGE AGGREGATE SHALL CONSIST OF UNIFORM AGGREGATE OF 3/8\"/>

VILLAGE OF EGG HARBOR
BEACH STORM WATER MANAGEMENT
EGG HARBOR VILLAGE BEACH
4736 BEACH ROAD, EGG HARBOR, WISCONSIN

NO.	DATE	DESCRIPTION	BY
1	5-1-2008	UPDATED PER SWCD COMMENTS	SMW
1	3-17-08	ISSUED FOR SWCD REVIEW	SCJ

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