

GENERAL NOTES (CONTINUATION)

21. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET. CONSTRUCTION ACTIVITIES MAY OCCUR BETWEEN 7:00 AM AND 7:00 PM MONDAY THROUGH FRIDAY AND FROM 8:30 AM TO 5:00 PM ON SATURDAYS. CONSTRUCTION ACTIVITIES ON SUNDAYS ARE PROHIBITED. NO WORK WILL BE PERFORMED ON FEDERAL HOLIDAYS OBSERVED IN ILLINOIS. CONSTRUCTION ACTIVITIES ARE IDENTIFIED AS THE OPERATION OF HEAVY EQUIPMENT, TO INCLUDE BUT NOT LIMITED TO ALL CONSTRUCTION TRUCKS AND EQUIPMENT. THIS IS TO INCLUDE THE WARMING UP OF ANY PIECE OF EQUIPMENT OR TURNING ON ENGINES.
22. BITUMINOUS MATERIALS (PRIME COAT):
- A. MATERIALS:
- I. EMULSIFIED ASPHALT SHALL ONLY BE USED BETWEEN THE DATES OF MAY 15TH AND SEPTEMBER 1ST. ON OR BEFORE MAY 15TH, AND ON OR AFTER SEPTEMBER 1ST, RC 70 ASPHALT SHALL BE USED IN LIEU OF EMULSIFIED ASPHALT.
 - II. ON DAYS BETWEEN MAY 15TH AND SEPTEMBER 1ST, WHEN THE AIR TEMPERATURE IS IN QUESTION, THE EXACT TYPE OF PRIMING ASPHALT SHALL BE DETERMINED BY THE ENGINEER.
- B. GENERAL:
- I. PRIME COAT MATERIAL SHALL BE SS1 ON HOT-MIX ASPHALT SURFACES AND MC30 ON AGGREGATE SURFACES.
 - II. THE CONTRACTOR SHALL ERECT, TO THE ENGINEER'S SATISFACTION, 36 INCH (MINIMUM SIZE) FRESH OIL AHEAD, SIGNS PRIOR TO APPLYING THE PRIME COAT.
 - III. SHIELDS, COVERS OR OTHER SUITABLE EQUIPMENT SHALL BE PROVIDED BY THE CONTRACTOR TO PROTECT THE MOTORING PUBLIC, ADJOINING PAVEMENT, CURBS, AND/OR STRUCTURES DURING THE APPLICATION OF THE PRIME COAT.
23. DESIGN SPEEDS OF PROJECT ROADWAYS:
- WADSWORTH ROAD 50 M.P.H.
GREEN BAY ROAD (IL 131) 50 M.P.H.
24. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

EROSION CONTROL

1. AREAS THAT MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
2. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS. PERIMETER EROSION BARRIER SHALL SURROUND THE STOCKPILE.
3. AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER: PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS AND AT LOCATIONS DIRECTED BY THE ENGINEER. TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS. BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME, PLACING PERMANENT EROSION CONTROL SUCH AS RIPRAP DITCH LINING AND DOING FINAL SHAPING OF THE SLOPES.
4. EXCAVATED AREAS AND EMBANKMENT SHALL BE SODDED OR TEMPORARILY SEEDED IMMEDIATELY AFTER FINAL GRADING. ANY BARE EARTH THAT WILL NOT HAVE CONSTRUCTION ACTIVITY FOR 7 DAYS SHALL BE TEMPORARILY SEEDED.
5. SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION FOR EROSION CONTROL.
6. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1.5 FT. FALL/RISE IN DITCH GRADE.
7. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS./ACRE.
8. ALL EROSION CONTROL ITEMS SHALL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN AND BE CONSTRUCTED AS SHOWN IN THE PLANS AND STANDARDS AND AS DESCRIBED IN THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.
9. THE CONTRACTOR IS ADVISED THAT MUD AND DEBRIS MUST NOT BE DEPOSITED ON THE ADJACENT ROADWAYS. ANY DIRT AND DEBRIS ACCUMULATED ON THE PAVEMENT SHALL BE CLEANED BY THE CONTRACTOR WITHIN FOUR (4) HOURS OF THE INCIDENT AND IN ACCORDANCE WITH ARTICLE 107.15.
10. IN ACCORDANCE WITH ILLINOIS ENVIRONMENTAL PROTECTION AGENCY REQUIREMENTS FOR CONSTRUCTION PROJECTS DISTURBING ONE ACRE OR MORE TOTAL LAND AREA, THE CONTRACTOR SHALL DEVELOP, MAINTAIN AND UPDATE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AS SPECIFIED IN THE SPECIAL PROVISION FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES).
11. CHRISTOPHER B. BURKE ENGINEERING, LTD. IS NOT RESPONSIBLE FOR IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN, INCLUDING MAINTENANCE AND/OR REPAIR OF SOIL EROSION AND SEDIMENT CONTROL MEASURES, FOR COMPLIANCE WITH THE GENERAL NPDES PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

LANDSCAPING

1. RECOMMENDED SEEDING DATES:

CLASS TYPE	DATES
2A	APRIL 1 TO JUNE 15; AUGUST 1 TO NOVEMBER 1
4 (MODIFIED)	MAY 15 TO JUNE 30
4B	MAY 15 TO JUNE 30; OCTOBER 15 TO DECEMBER 1

2. FERTILIZER NUTRIENTS: USE A FERTILIZER WITH AN ANALYSIS RATIO OF 1:1.

WADSWORTH ROAD	GREEN BAY ROAD
RATE PER ACRE FOR SEEDING:	RATE PER ACRE FOR SEEDING:
90 LBS. NITROGEN FERTILIZER NUTRIENT	90 LBS. NITROGEN FERTILIZER NUTRIENT
90 LBS. POTASSIUM FERTILIZER NUTRIENT	90 LBS. PHOSPHORUS FERTILIZER NUTRIENT
	90 LBS. POTASSIUM FERTILIZER NUTRIENT
RATE PER ACRE FOR SODDING:	RATE PER ACRE FOR SODDING:
60 LBS. NITROGEN FERTILIZER NUTRIENT	60 LBS. NITROGEN FERTILIZER NUTRIENT
60 LBS. POTASSIUM FERTILIZER NUTRIENT	60 LBS. PHOSPHORUS FERTILIZER NUTRIENT
	60 LBS. POTASSIUM FERTILIZER NUTRIENT

3. TREES TO BE SAVED: PARTICULAR EFFORT SHALL BE MADE TO SAVE ALL DESIRABLE EXISTING TREES OR UNDERGROWTH UNDER 6" DIAMETER CALIPER SIZE WHEN THEY ARE LOCATED OUTSIDE THE PROPOSED SHOULDER OR DITCH LINES IN AREAS OF CUT OR FILL SLOPES HAVING A GRADE CHANGE OF LESS THAN ONE FOOT. A MINIMUM OF GRADING SHALL BE PERMITTED WITHIN AN APPROXIMATE RADIUS OF 6 FT. FROM ALL TREES TO BE SAVED AS DETERMINED BY THE ENGINEER.
4. ALL PLANTINGS SHALL BE BACKFILLED WITH AMENDED SOIL IN A HOLE TWICE THE ROOTBALL DIAMETER, WATERED, FERTILIZED, PRUNED AND HAVE ALL TAGS AND ROPES REMOVED.
5. TREES SHALL HAVE A WATERING SAUCER CONSTRUCTED AT THEIR BASE.
6. PRIVATELY OWNED LANDSCAPING ITEMS ENCRDACHING IN THE RIGHT-OF-WAY SUCH AS PLANTERS, RAILROAD TIES, PRECAST CONCRETE BLOCKS, ETC. SHALL BE MOVED TO THE PRIVATE PROPERTY AS DIRECTED BY THE ENGINEER AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
7. TREE REMOVAL: CUT TREES AND LIMBS SHALL BE DISPOSED OF WITHIN 5 WORKING DAYS. THE CUT TREES AND LIMBS SHALL BE DISPOSED OF ACCORDING TO ARTICLE 202.03 OF THE "STANDARD SPECIFICATIONS".
8. TREE TRUNK PROTECTION: PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL INSTALL A SNOW FENCE OR OTHER HIGHLY VISIBLE BARRIER AROUND DESIGNATED TREES IN A MANNER MEETING THE ENGINEER'S APPROVAL. VISUAL BARRIERS, SUCH AS SINGLE STRAND WIRE OR PLASTIC FLAGGING, ARE NOT ACCEPTABLE FOR THIS PURPOSE. THE BARRIER SHALL BE MAINTAINED IN THE PROPER LOCATION AND IN GOOD REPAIR UNTIL THE COMPLETION OF CONSTRUCTION. REMOVAL AND DISPOSAL OF THE BARRIER SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
9. TREE ROOT PRUNING: BEFORE ANY TRENCHING OR EXCAVATION IN THE AREA OF A TREE, TREE ROOTS SHALL BE CUT WITH APPROPRIATE ROOT PRUNING EQUIPMENT TO A MINIMUM OF 24" DEEP. THE CUTS SHALL BE MADE 6" TO 12" CLOSER TO THE TREE THAN THE CONSTRUCTION LIMIT. THIS ALLOWS FOR ROOT REGENERATION (WITHIN THE 6" TO 12" AREA) DURING THE CONSTRUCTION PERIOD. PRUNING SHALL NOT BE DONE AT THE CONSTRUCTION LIMIT, SINCE THE CUT SURFACES OF THE ROOTS WILL REMAIN EXPOSED RESULTING IN ROOT DIEBACK.
10. TREE REMOVAL, TREE TRUNK PROTECTION, AND TREE ROOT PRUNING SHALL BE DONE AT THE LOCATIONS SHOWN ON THE DRAWINGS AND AS DIRECTED BY THE ENGINEER.
11. TOPSOIL
 - A. THE WORK SHALL ALSO COMPLY WITH THE "ILLINOIS STATE AGENCY HISTORIC RESOURCES PRESERVATION ACT" (PUBLIC ACT 85-707, EFFECTIVE JANUARY 1, 1990). UNDER THIS ACT:
 - I. THE CONTRACTOR SHALL COMPLETE AN ENVIRONMENTAL SURVEY REQUEST FORM FOR BORROW/WASTE/USE AREAS (BDE FORM 2289), ALONG WITH ALL REQUIRED ATTACHMENTS, AND SUBMIT THEM TO THE ENGINEER AT THE EARLIEST POSSIBLE DATE.
 - II. THE ENGINEER SHALL SUBMIT THE ENVIRONMENTAL SURVEY REQUEST TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION FOR REVIEW AND APPROVAL. ANY COSTS INCURRED ASSOCIATED WITH SAID REVIEW AND APPROVAL WILL BE BORNE BY THE CONTRACTOR.
 - III. THE CONTRACTOR SHALL NOT BEGIN WORK ON ANY BORROW/USE AREAS UNTIL THE ENVIRONMENTAL SURVEY REQUEST HAS BEEN APPROVED.
 - B. THE CONTRACTOR SHALL COLLECT ONE REPRESENTATIVE SOIL SAMPLE FROM THE PROPOSED GROWING SURFACE WHICH SHALL BE ANALYZED BY AN AGRICULTURAL LABORATORY APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL SUBMIT THE PROPOSED LABORATORY NAME AND ADDRESS TO THE ENGINEER AT THE PRE-CONSTRUCTION CONFERENCE. THE SOILS ANALYSIS SHALL INCLUDE (BUT IS NOT LIMITED TO) THE RECOMMENDED APPLICATION RATES OF NITROGEN AND POTASSIUM FERTILIZER NUTRIENTS.

HAZARDOUS WASTE

THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.