- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND LOCAL AGENCIES.
- 3. THE CONTRACTOR SHALL PROTECT EXISTING OR NEW UTILITIES WHEN CONSIDERED NECESSARY BY METHODS APPROVED BY THE ENGINEER. THE CONTRACTOR SHALL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT, OR DAMAGE TO THE UTILITIES. THE PROTECTION OF THE UTILITIES SPECIFIED HEREIN WILL NOT BE PAID FOR SEPARATELY, BUT THE COST THEREOF SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT.
- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON PUBLIC PROPERTY WITHOUT WRITTEN PERMISSION FROM THE MCHENRY COUNTY DIVISION OF TRANSPORTATION
- 5. ALL ELEVATIONS SHOWN ON THESE PLANS ARE ON THE USGS DATUM.
- 6. THE SURFACE CONFIGURATION OF DRIVEWAY PAVEMENT WITHIN THE LIMITS OF THE SIDEWALK OR THE SHARED USE PATH SHALL CONFORM TO THE FOLLOWING: THE PROFILE GRADE OF THE SIDEWALK OR THE SHARED USE PATH HAS PRIORITY AND SHALL BE MAINTAINED ACROSS THE DRIVEWAY. THE SIDEWALK OR THE SHARED USE PATH CROSS SLOPE THRU DRIVEWAY AREAS SHALL BE A MAXIMUM OF 1:50. THE DRIVEWAY PAVEMENT OUTSIDE THE LIMITS OF THE SIDEWALK OR SHARED USE PATH SHALL SLOPE TO MEET THE SIDEWALK OR SHARED USE PATH PROFILE GRADE.
- 7. IL 176 DRIVEWAYS ARE IN ACCORDANCE WITH DISTRICT DETAIL BD-01 & BD-02. IDOT DRIVEWAY PAVEMENT WILL BE MEASURED AND PAID FOR IN ACCORDANCE WITH BD-01 & BD-02. WALKUP AVE, WALKUP RD AND CRYSTAL LAKE DRIVEWAYS ARE IN ACCORDANCE WITH MCHENRY COUNTY DIVISION OF TRANSPORTATION REQUIREMENTS. MCDOT DRIVEWAY PAVEMENT WILL BE MEASURED AND PAID FOR ACCORDING TO THE SPECIAL PROVISION FOR HOT MIX ASPHALT DRIVEWAY PAVEMENT (MCDOT).
- 8. 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURBS & GUTTERS IN THE FIELD, UNLESS OTHERWISE SHOWN, THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED. ALL TRANSITIONS BETWEEN PROPOSED CURB AND SHOULDER SHALL BE 16 FOOT TRANSITIONS UNLESS OTHERWISE SHOWN ON THE PLANS.
- 9. WHERE PROPOSED CURBS AND GUTTERS ARE NOT TYING INTO EXISTING CURB AND GUTTER OR ARE ENDING, THEY SHALL TRANSITION TO O" HEIGHT OVER THE FINAL 5 FEET.
- 10. PROTECTIVE COAT SHALL BE APPLIED IN ACCORDANCE WITH SECTION 420 OF THE STANDARD SPECIFICATIONS TO ALL EXPOSED SURFACES OF CURBS AND GUTTERS AND PCC SIDEWALKS.
- 11. NO PAYMENT SHALL BE MADE FOR OVERHAUL FROM ANY SOURCE, BUT SHALL BE CONSIDERED INCLUDED WITH EARTH EXCAVATION.
- 12. WHEREVER CONCRETE MASONRY WALLS, HEADWALLS, OR OTHER OBSTRUCTIONS ARE ENCOUNTERED THEY SHALL BE REMOVED TO AN ELEVATION OF 1 FOOT BELOW THE ESTABLISHED GRADE OR SUBGRADE AS SHOWN ON THE PLANS. SUCH WORK SHALL BE CONSIDERED INCLUDED IN EARTH EXCAVATION.
- 13. FIRE HYDRANTS TO BE MOVED, RELOCATED, OR ADJUSTED SHALL BE PLACED ACCORDING TO THE DIRECTION OF THE ENGINEER.
- 14. POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES), HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT ARE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL OF UNSUITABLE AND UNSTABLE SOILS AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED FROM THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
- 15. WHERE STRIP REFLECTIVE CRACK CONTROL TREATMENT IS SPECIFIED, TYPE A SHALL BE USED.
- 16. TYPE I, TYPE II, AND TYPE III BARRICADES SHALL BE WEIGHTED IN A MANNER APPROVED BY THE MANUFACTURER SO THEY ARE NOT MOVED BY TRAFFIC.
- 17. BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 18. THE STAGE LINE INDICATED ON THE CROSS SECTIONS IS THE BASIS FOR THE EARTHWORK QUANTITIES SHOWN ON THE EARTH WORK SCHEDULE.
- 19. WHERE SECTION, SUBSECTION, SUBDIVISION OR PROPERTY MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- 20. THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES AND OTHER UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTORS' RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

GENERAL NOTES (CONT.)

- 21. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PRIVATE AND COMMERCIAL ENTRANCES FOR PROPERTY ABUTTING THE HIGHWAY OR STREET BEING IMPROVED AT ALL TIMES DURING CONSTRUCTION. WHEN A PROPERTY HAS ONLY A SINGLE ENTRANCE, THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED ENTRANCE ONE HALF AT A TIME IN ORDER TO MAINTAIN ACCESS. WHEN A PROPERTY HAS MULTIPLE ENTRANCES, ONE OF THE ENTRANCES SHALL REMAIN OPEN AT ALL TIMES.
- 22. THE CONTRACTOR SHALL VERIFY THE ELEVATIONS SHOWN IN THE PLANS WHERE PROPOSED IMPROVEMENT MEETS THE EXISTING PAVEMENT OR GROUND. THE ENGINEER SHALL BE NOTIFIED OF DISCREPANCIES BETWEEN THESE ELEVATIONS IN SUFFICIENT TIME PRIOR TO FINAL GRADING OR PAVING TO ALLOW ELEVATION ADJUSTMENT TO BE MADE TO MEET FIELD CONDITIONS. THE EXISTING PAVEMENT AND GROUND ELEVATIONS SHOWN ON THE PLANS ARE DERIVED FROM COMPUTER TERRAIN MODELING AND MAY REQUIRE ADJUSTMENT TO MEET THE EXISTING PAVEMENT OR GROUND ELEVATION. ELEVATION ADJUSTMENTS DUE TO EXISTING PAVEMENT OR GROUND ELEVATION DISCREPANCIES SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION AND SHALL BE CONSIDERED AS INCLUDED IN THE WORK FOR THE GRADING AND PAVING PAY ITEMS PROVIDED IN THE CONTRACT.
- 23. PAINT SHALL NOT BE APPLIED TO EXISTING PAVEMENT WEARING SURFACES THAT ARE NOT BE OVERLAID. TYPE III MARKING TAPE SHALL BE USED ON EXISTING PAVEMENT WHEN TEMPORARY PAVEMENT MARKING WILL CONFLICT WITH THE PERMANENT PAVEMENT MARKING SUCH AS ON TAPERS, CROSSOVER, LANE SHIFTS AND STOP BARS. THE COST OF USING TYPE III MARKING TAPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY PAVEMENT MARKING OF THE LINE WIDTH SPECIFIED.
- 24. SAW CUTTING OF PAVEMENTS, SHOULDERS, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAWCUTTING SHALL BE CONSIDERED INCLUDED IN THE ITEM BEING REMOVED.
- 25. ALL CITY OF CRYSTAL LAKE SANITARY, STORM AND WATER STRUCTURES SHALL HAVE "CITY OF CRYSTAL LAKE SANITARY", "CITY OF CRYSTAL LAKE STORM", OR "CITY OF CRYSTAL LAKE WATER", CAST INTO THEIR RESPECTIVE LIDS. THE PAY ITEM DESCRIPTION *TYPE 1 FRAME, CLOSED LID* SHALL BE INTERPRETED TO MEAN FRAMES AND LIDS IN ACCORDANCE WITH THE CITY OF CRYSTAL LAKE DETAILS SHOWN IN THE PLANS FOR ALL SANITARY, STORM AND WATER STRUCTURES MAINTAINED BY THE CITY OF CRYSTAL LAKE.
- 26. FOUR (4) CHANGEABLE MESSAGE SIGNS SHALL BE FURNISHED AND PLACED AS DIRECTED BY THE ENGINEER.
- 27. 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 DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.
- 28. ANY WASTE GENERATED AS A SPECIAL WASTE FROM THIS PROJECT SHOULD BE MANIFESTED OFF-SITE USING THE GENERATOR NUMBER ASSOCIATED WITH MCHENRY COUNTY. THE GENERATOR NUMBER FOR MCHENRY COUNTY IS 1118995010.

DRAINAGE NOTES

- INVERT ELEVATION FOR EXISTING PIPES HAVE BEEN SHOWN ON THE PLANS WHEN SURVEY INFORMATION WAS AVAILABLE. THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS FOR EXISTING PIPES IN THE FIELD AT THE TIME OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- 2. WHERE A DRAINAGE STRUCTURE IS PROPOSED TO BE INSTALLED IN AN EXISTING SEWER, A PORTION OF THE EXISTING PIPE SHALL BE CUT AND REMOVED. THE PROPOSED STRUCTURE SHALL BE PROVIDED WITH ADEQUATELY SIZED OPENINGS SUCH THAT THE EXISTING PIPE MAY BE CONNECTED AT ITS EXISTING INVERT ELEVATION. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS DRAINAGE STRUCTURES TO BE CONSTRUCTED.
- 3. FOR PROPOSED STORM SEWER OR PIPE CULVERT CONNECTIONS TO EXISTING PIPES, BOX CULVERT, OR STRUCTURES, THE CONNECTION AND REMOVAL OF CONCRETE TO MAKE NECESSARY HOLES IN THE EXISTING PIPES, EXISTING BOX CULVERTS, OR EXISTING STRUCTURES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR STORM SEWERS OR PIPE CULVERTS OF THE DIAMETER, TYPE, AND CLASS SPECIFIED, AND OF THE PARTICULAR KIND OF MATERIAL WHEN SPECIFIED.
- . PIPE UNDERDRAIN OUTLETS SHALL BE CONNECTED TO DRAINAGE STRUCTURES UNLESS OTHERWISE SHOWN ON THE PLANS. THE COST OF CONNECTING PIPE UNDERDRAIN OUTLETS TO DRAINAGE STRUCTURES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS DRAINAGE STRUCTURES TO BE CONSTRUCTED.
- 5. TOP OF GRATE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLANS WERE DETERMINED BY COMPUTER TERRAIN MODELING. REVISION OF THE TOP OF GRATE ELEVATION, BY THE ENGINEER AT THE TIME OF CONSTRUCTION, TO MEET FIELD CONDITIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION AND SHALL BE CONSIDERED AS INCLUDED IN THE WORK FOR THE DRAINAGE STRUCTURE.
- REMOVAL OF EXISTING UNDERDRAINS AND HEADWALLS FOR UNDERDRAINS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH FXCAVATION.
- . THE CONTRACTOR SHALL VERIFY THE INVERTS, SIZES, AND MATERIAL FOR ALL EXISTING STORM SEWERS THAT ARE BEING CONNECTED TO THE PROPOSED STORM SEWER SYSTEM BEFORE ORDERING STORM SEWER MATERIAL.

DRAINAGE NOTES (CONT.)

- 8. THE CONTRACTOR SHALL PROVIDE POSITIVE TEMPORARY DRAINAGE UNTIL THE FINAL SURFACE IS PLACED. THE COST OF WORK REQUIRED TO PROVIDE POSITIVE TEMPORARY DRAINAGE SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PROPOSED WORK, UNLESS OTHERWISE SPECIFIED. TEMPORARY DRAINAGE STRUCTURES AND PIPE WILL BE PAID FOR SEPARATELY.
- 9. SEE DRAINAGE SCHEDULE SHEETS 088 TO 093 FOR DETAILS ON OFFSET AND STRUCTURE
- 10. SEE DRAINAGE DETAIL SHEET 107 FOR STRUCTURES WITH RESTRICTOR PLATES.
- 11. ALL STORM SEWERS, PIPE CULVERTS, CATCH BASINS, MANHOLES, INLETS AND SIMILAR STRUCTURES NEWLY CONSTRUCTED, ADJUSTED, OR RECONSTRUCTED UNDER THE CONTRACT, SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS, OR FOREIGN MATTER OF ANY KIND, AND SALL BE FREE FROM SUCH ACCUMULATIONS AT THE TIME OF FINAL INSPECTION. THE COST OF ANY CLEANING REQUIRED TO COMPLY WITH THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE WORK.
- 12. ALL OPEN DRAINAGE STRUCTURES SHALL CONTAIN THE TEXT "DUMP NO WASTE" AND "DRAINS TO WATERWAYS" PER MCDOT NPDES BMP'S. SEE SPECIAL PROVISION ENVIRONMENT NOTICE FOR DRAINAGE STRUCTURES.
- 13. PERIMETER EROSION BARRIER SHALL BE UTILIZED FOR ANY EXCAVATED MATERIAL THAT IS STOCKPILED THROUGHOUT THE LIMITS OF THE CONTRACT.
- 14. PERIMETER EROSION BARRIER UTILIZED FOR EMBANKMENT MATERIAL THAT IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR WILL NOT BE MEASURED FOR PAYMENT AND THE COST OF THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION. PERIMETER EROSION BARRIER UTILIZED FOR EMBANKMENT MATERIAL THAT IS STOCKPILED AT THE DIRECTION OF THE ENGINEER WILL BE PAID FOR SEPARATELY.
- 15. PRECAST REINFORCED CONCRETE FLARED END SECTIONS WILL BE INCLUDED IN THE LENGTH OF MEASUREMENT FOR PIPE CULVERT REMOVAL. THE REMOVAL OF GRATING FOR PRECAST CONCRETE FLARED END SECTIONS WILL NOT BE MEASURED FOR PAYMENT, BUT THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PIPE CULVERT REMOVAL.

CONSTRUCTION SCHEDULING NOTES

PRE STAGE CONSTRUCTION WATER SYSTEM WORK

- 1. THE CONTRACTOR WILL BE ALLOWED TO SEPARATELY CLOSE FIRST ST, SECOND ST AND THIRD ST AT THE INTERSECTION WITH ILL ROUTE 176 DURING WATER MAIN CONSTRUCTION. ONLY ONE STREET WILL BE ALLOWED TO BE CLOSED DURING ANY SINGLE TIME PERIOD.
- 2. THE STREET CLOSURE AT FIRST ST SHALL NOT EXCEED 30 CALENDAR DAYS (INCLUDES CONSTRUCTION OF STEEL CASING ACROSS ILL RTE 176). THE STREET CLOSURE AT SECOND ST SHALL NOT EXCEED 7 CALENDAR DAYS. THE STREET CLOSURE AT THIRD ST SHALL NOT EXCEED 7 CALENDAR DAYS.

STAGE ONE CONSTRUCTION ROADWAY WORK

- 3. THE CONTRACTOR WILL BE ALLOWED TO CLOSE FIRST ST, SECOND ST AND THIRD ST AT THE INTERSECTION WITH ILL ROUTE 176 DURING STAGE 1 CONSTRUCTION FOR STORM SEWER, GRADING, AGGREGATE SUBGRADE, CURB AND GUTTER AND RELATED WORK. ONLY ONE STREET WILL BE ALLOWED TO BE CLOSED DURING ANY SINGLE TIME PERIOD.
- 4. THE INDIVIDUAL STREET CLOSURES AT FIRST ST, SECOND ST AND THIRD ST SHALL NOT EXCEED 10 CONSECUTIVE CALENDAR DAYS EACH.
- 5. SIMULTANEOUS CLOSURE OF FIRST ST, SECOND ST AND THIRD ST WILL BE ALLOWED DURING PAYING OF FULL DEPTH PAVEMENT BINDER COURSE. THE SIMULTANEOUS CLOSURE OF FIRST ST, SECOND ST AND THIRD ST TO ALLOW PAVING OF FULL DEPTH PAVEMENT BINDER COURSE SHALL BE SCHEDULED BY THE CONTRACTOR TO START WITHIN 8 CALENDAR DAYS PRIOR TO THE IMPLEMENTATION OF STAGE 2 TRAFFIC CONTROL.
- 6. THE SIMULTANEOUS STREET CLOSURES OF FIRST ST, SECOND ST AND THIRD ST SHALL NOT EXCEED 8 CONSECUTIVE CALENDAR DAYS.

STREET CLOSURES

7. APPROVAL FOR STREET CLOSURES SHALL BE OBTAINED FROM THE CITY ENGINEER A MINIMUM OF 7 CALENDAR DAYS IN ADVANCE OF THE PROPOSED STREET CLOSURE. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN (AND REMOVE) ALL SIGNS AND BARRICADES IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, STANDARDS, AND DETAILS ON THE PLANS. THE COST OF STREET CLOSURES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

MCHENRY COUNTY DIVISION OF TRANSPORTATION

REVISIONS
NAME DATE

GENERAL NOTES

SCALE: N.T.S. DATE: 06/10/11

DRAWN BY: DE

O/11 CHECKED BY: MCD

TENG ENGIN

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