Engineering Enterprises, Inc.

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GENERAL NOTES AND CONSTRUCTION SPECIFICATIONS

- 1. THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JAN. 1, 2007, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIFICATIONS AND PROVISIONS ADOPTED JAN. 1, 2009, NATIONAL ELECTRIC CODE, 2008 EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION, DATED MAY, 1996, AND REVISIONS THERETO, THESE IMPROVEMENT PLANS AND DETAILS, SPECIAL PROVISIONS AND CODES AND ORDINANCES OF THE VILLAGE OF MONTGOMERY, ILLINOIS SHALL GOVERN APPLICABLE PORTIONS OF THIS PROJECT.
- 2. THE CONTRACTOR SHALL OBTAIN, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGMEN AND OTHER CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC. PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.
- 3. LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY, AND ARE NOT NECESSARILY COMPLETE. CONTRACTOR SHALL MAKE HIS/HER OWN INVESTIGATIONS AS TO LOCATION OF ALL EXISTING UNDERGROUND STRUCTURES, CABLES, UTILITIES AND PIPE LINES.
- 4. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND VILLAGE, SO THAT THE CONFLICT MAY BE RESOLVED.
- 5. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. (1-800-892-0123) AT LEAST TEN DAYS PRIOR TO CONSTRUCTION SO THAT EACH UTILITY COMPANY CAN STAKE OUT ANY UNDERGROUND IMPROVEMENTS THAT MAY INTERFERE WITH THE PROPOSED CONSTRUCTION.
- 6. THE CONTRACTOR SHALL BE REQUIRED TO MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS, STRUCTURES, POLES, CABLES AND PIPE LINES, BEFORE CONSTRUCTION BEGINS. HE/SHE SHALL BE RESPONSIBLE FOR ANY DAMAGE TO THE STREETS OR ROADWAYS AND ASSOCIATED STRUCTURES AND SHALL MAKE REPAIRS AS NECESSARY TO THE SATISFACTION OF THE ENGINEER AND WILLAGE AT HIS OWN EXPENSE.
- 7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL PRIVATE AND PUBLIC UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
- 8. THE CONTRACTOR SHALL EXAMINE THE PLANS AND SPECIFICATIONS, VISIT THE SITE OF THE WORK AND INFORM HIMSELF/HERSELF FULLY WITH THE WORK INVOLVED, GENERAL AND LOCAL CONDITIONS, ALL FEDERAL, STATE AND LOCAL LAWS, ORDINANCES, RULES AND REGULATIONS AND ALL OTHER PERTINENT ITEMS WHICH MAY AFFECT THE COST AND TIME OF COMPLETION OF THIS PROJECT BEFORE SUBMITTING A PROPOSAL.
- 9. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH LATEST CODE REQUIREMENTS.
- PRIOR TO SUBMITTING A PROPOSAL, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE ENGINEER TO ANY MATERIAL OR EQUIPMENT HE DEEMS INADEQUATE AND TO ANY ITEM OF WORK OMITTED.
- 11. THE PAY ITEMS SHALL BE AS NOTED IN THE SUMMARY OF QUANTITIES/PROPOSAL. ANY ITEM OF WORK THAT IS SHOWN ON THE PLANS TO BE PERFORMED BY THE CONTRACTOR, FOR WHICH THERE IS NO PAY ITEM, SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE PROJECT.
- 12. WHENEVER, DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEM FOR EARTH EXCAVATION.
- 13. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 ½ INCHES (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H), OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THEN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING SLOPED A MINIMUM IS 3 (Y:H).
- 14. ALL FINAL ADJUSTMENTS OF CASTING WILL BE ACCOMPLISHED BY THE USE OF PRECAST CONCRETE ADJUSTING RINGS SET IN BUTYL ROPE JOINT SEALANT, MORTAR JOINTS WILL NOT BE ALLOWED. TOTAL HEIGHT OF ADJUSTING RINGS USED SHALL NOT EXCEED EIGHT (8") INCHES. COST FOR ADJUSTMENT IS CONSIDERED INCIDENTAL.
- 15. THE CONTRACTOR SHALL BE RESPONSIBLE TO PLACE ON GRADE AND COORDINATE WITH OTHER CONTRACTORS ALL UNDERGROUND STRUCTURE FRAMES SUCH AS CATCH BASINS, INLETS, MANHOLES, HYDRANTS, BUFFALO BOXES, VALVES, ETC. NO ADDITIONAL COMPENSATION SHALL BE PAID AND SAID ADJUSTMENTS SHALL BE CONSIDERED INCIDENTAL TO OTHER ITEMS OF CONSTRUCTION.
- 16. THE CONTRACTOR SHALL RESTORE ANY AREA DISTURBED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL USE. THIS SHALL INCLUDE FINISH GRADING, ESTABLISHMENT OF A VEGETATIVE COVER (SEEDING OR SOD), GENERAL CLEANUP AND PAVEMENT REPLACEMENT.
- 17. ALL TRENCHES CAUSED BY THE CONSTRUCTION OF STORM AND SANITARY AND THE EXCAVATION AROUND CATCH BASINS, MANHOLES, INLETS AND OTHER APPURTENANCES WHICH OCCUR WITHIN THE LIMITS OF EXISTING OR PROPOSED PAVEMENTS, SIDEWALKS AND CURB AND GUTTERS OR WHERE THE EDGE OF THE TRENCH SHALL BE WITHIN TWO (2') FEET OF SAID IMPROVEMENTS SHALL BE BACKFILLED WITH COMPACTED GRANULAR TRENCH BACKFILL OR WITH APPROVED SUITABLE SELECT MATERIAL AND PROPERLY COMPACTED AND MEASURED IN ACCORDANCE WITH IDOT STANDARDS FOR TRENCH WIDTHS.

- 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
- 19. THE ENGINEER WILL BE GIVEN FORTY-EIGHT (48) HOURS NOTICE FOR ANY STAKING THAT IS TO BE DONE. EACH OF THE VARIOUS ITEMS OF WORK COVERED BY THIS CONTRACT WILL BE STAKED ONCE. ADDITIONAL STAKING REQUIRED DUE TO THE NEGLIGENCE OF THE CONTRACTOR SHALL BE PAID FOR BY THE CONTRACTOR AT THE CURPENT HOURLY RATE
- 20. THE CONTRACTOR SHALL INFORM THE VILLAGE ENGINEER BEFORE WORK COMMENCES ON EACH CATEGORY OF CONSTRUCTION, I.E. WATER MAIN, GRADING, PAVEMENT AND DRAINAGE IMPROVEMENT. A TWENTY-FOUR (24) HOUR NOTICE SHALL BE GIVEN FOR ANY ITEM THAT REQUIRES FINAL TESTING AND INSPECTION SUCH AS WATER MAINS OR SANITARY SEWED.
- 21. THE ENGINEER WILL FURNISH THE CONTRACTOR WITH LINES AND GRADES NECESSARY FOR THE PROPER EXECUTION AND CONTROL OF THE WORK. THE CONTRACTOR SHALL CALL THE ATTENTION OF THE ENGINEER TO ANY ERRORS OR DISCREPANCIES WHICH MAY BE SUSPECTED IN LINES AND GRADES WHICH ARE ESTABLISHED BY THE ENGINEER, AND SHALL NOT PROCEED WITH THE WORK UNTIL ANY LINES AND GRADES WHICH ARE BELIEVED TO BE IN ERROR HAVE BEEN VERIFIED OR CORRECTED BY THE ENGINEER OR HIS 'HER REPRESENTATIVE.
- 22. ALL LOT IRONS DAMAGED OR REMOVED DURING CONSTRUCTION OF THIS PROJECT SHALL BE REPLACED BY THE ENGINEER AND SAID COST OF REPLACEMENT SHALL BE PAID BY THE CONTRACTOR.
- 23. THE CONTRACTOR WILL HAVE IN HIS/HER POSSESSION ON THE JOB SITE A COPY OF THE PLANS AND SPECIFICATIONS DURING CONSTRUCTION.
- 24. IF ANY APPROVED EQUAL ITEMS ARE REQUIRED, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR APPROVAL.
- 25. ANY DRAIN AND/OR FIELD TILE ENCOUNTERED BY THE CONTRACTOR DURING THE INSTALLATION OF THE IMPROVEMENTS SHALL BE RETURNED TO ORIGINAL CONDITION. THIS WORK IS TO BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 26. NO EXCAVATIONS WILL BE PERMITTED TO REMAIN OPEN OVER ANY WEEKEND.
- 27. RECORD DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS THE SITE IMPROVEMENTS ARE COMPLETED. ANY CHANGE IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED.
- 28. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ANY REQUIRED INSPECTIONS WITH THE VILLAGE.
- 29. SPECIAL ATTENTION IS DRAWN TO THE FACT THAT ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.
- 30. THE ENGINEER AND VILLAGE ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS/HER WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- 31. A COMMITMENT HAS BEEN MADE TO THE ILLINOIS DEPARTMENT OF NATURAL RESOURCES TO PROTECT THE WETLANDS AT BASELINE ROAD FROM STA. 2010+00 TO STA. 2014+60.
- 32. THE ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

VILLAGE OF MONTGOMERY SOIL EROSION AND SEDIMENTATION CONTROL

THE CONTRACTOR SHALL PROVIDE SOIL EROSION AND SEDIMENTATION CONTROL IN ACCORDANCE WITH THE "PROCEDURES AND STANDARDS FOR SOIL EROSION AND SEDIMENTATION CONTROL IN NORTHEASTERN ILLINOIS" (REVISED JULY, 1988) PREPARED BY THE NORTHEASTERN ILLINOIS EROSION AND SEDIMENTATION CONTROL STEERING COMMITTEE AND THE ILLINOIS URBAN MANUAL PUBLISHED BY THE UNITED STATES DEPARTMENT OF AGRICULTURE NATURAL RESOURCE CONSERVATION SERVICE FOR THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (LATEST EDITION) AND IN ACCORDANCE WITH THE PLANS.

SOIL STABILIZATION

- TOPSOIL AND VEGETATIVE COVER-STRIP TOPSOIL AND REMOVE EXISTING VEGETATION. STOCKPILE ON-SITE (FOR REUSE) AT LOCATION DESIGNATED.
- TEMPORARY SEEDING—TEMPORARY SEEDING SHALL BE PROVIDED WITHIN 7 DAYS TO ANY DISTURBED AREAS THAT ARE SCHEDULED TO REMAIN DENUDED FOR LONGER THAN 14 DAYS.
- PERMANENT SEEDING-IMMEDIATELY FOLLOWING FINISH GRADING AND TOPSOIL PLACEMENT INSTALL SEEDING OR SOD IN AREAS AS DESIGNATED ON PLANS.
- 4. PAVED AREAS—INSTALL THE AGGREGATE BASE AS SOON AS POSSIBLE IN THE CONSTRUCTION SEQUENCE TO PROVIDE REQUIRED STABILIZATION.
- 5. SLOPE PROTECTION—PROTECT SEEDING ON STEEP SLOPES WITH MULCH, EXCELSION BLANKET, OR EQUAL.

SEDIMENT CONTROL

- ADJACENT PROPERTY-PROTECT ADJACENT PROPERTY FROM SEDIMENT DEPOSITION BY PRESERVING A VEGETATED BUFFER STRIP OR BY SEDIMENT BARRIERS OR FILTERS AT THE LOWER PERIMETER OF THE LOT.
- SEDIMENTATION CONTROL SHALL BE PROVIDED IN ALL AREAS AROUND THE PERIMETER OF ALL STOCKPILE AREAS.
- STORM SEWER INLET PROTECTION-DURING CONSTRUCTION FILTER SEDIMENT LADEN WATER THROUGH STRAW BALES AND FILTER FABRIC BEFORE IT ENTERS NEWLY CONSTRUCTED STORM SEWER.
- 4. STRAW BALES SHALL BE INSTALLED AS DITCH CHECKS AND STAKED IN PLACE AT 250 LINEAL FEET MAXIMUM SPACING IN ALL SWALES.
- 5. CONSTRUCTION ACCESS—CONSTRUCTION TRAFFIC SHALL ENTER AND LEAVE SITE AT A DESIGNATED ACCESS. PROVISIONS SHALL BE MADE TO MINIMIZE THE TRANSPORT OF SEDIMENT (MUD) BY RUNOFF OR VEHICLE TRACKING ONTO STATE HIGHWAYS OR LOCAL STREETS. IF NECESSARY, STATE HIGHWAYS OR LOCAL STREETS SHALL BE CLEANED DAILY AT THE END OF EACH WORK DAY OR AS REQUIRED TO KEEP MUD AND/OR OTHER DEBRIS OFF OF ANY HIGHWAY OR STREET.
- REMOVAL OF CONTROL MEASURES—DISPOSE OF ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED.

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