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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 SPECIFICAIONS AND PROVISIONS ADOPTED JAN. 1, 2008, 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 SUGAR GROVE, 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.
- LOCATION OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE ONLY, AND ARE NOT NECESSARILY COMPLETE. CONTRACTOR SHALL MAKE HIS 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 ROADDWAYS, STRUCTURES, POLES, CABLES AND PIPE LINES, BEFORE CONSTRUCTION BEGINS. HE 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 VILLAGE 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 AND VILLAGE BY THE CONTRACTOR AT HIS 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
- 10. PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR SHALL CALL THE ATTENTION OF THE ENGINEER TO ANY MATERIAL OR EQUIPMENT HE DEEMS INADEQUATE AND TO ANY ITEM OF WORD CHITTEN
- 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. STRUCTURES FOR VALVE VAULTS FOR WATER MAINS SHALL BE IN ACCORDANCE WITH THE IMPROVEMENT PLANS AND THE APPLICABLE STANDARD SPECIFICATIONS. WHERE GRANULAR TRENCH BACKFILL IS REQUIRED AROUND THESE STRUCTURES, THE COST SHALL BE CONSIDERED AS INCIDENTAL AND SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STRUCTURE.
- 13. FRAME AND COVER FOR WATER MAIN STRUCTURES SHALL BE AS INDICATED WITHIN THESE IMPROVEMENT PLANS.
- 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, HVDRANTS, 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 PA
- 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 CURRENT 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
- 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 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 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 WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.

- WATER MAIN CONSTRUCTION
- 1. ALL WATER MAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH 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 IN ACCORDANCE WITH CODES AND ORDINANCES OF THE VILLAGE OF SUGAR GROVE, ILLINOIS.
- ALL WATER MAIN SHALL BE DUCTILE IRON PIPE CLASS 52 WITH EITHER MECHANICAL OR PUSH\_ON JOINTS AND SHALL CONFORM TO ANSI A21.51, AWWA C151 AND ANSI A21.11, AWWA C111. PIPE SHALL BE MANUFACTURED IN THE UNITED STATES.
- ALL FITTINGS SHALL BE COMPACT DUCTILE IRON AND SHALL CONFORM TO ANSI/AWWA C153/421.53\_84. FITTINGS SHALL BE U.L. LISTED CLASS 350, TYLER, GRIFFIN OR APPROVED EQUAL, FITTINGS SHALL BE MANUFACTURED IN THE UNITED STATES
- ALL PIPE AND FITTINGS SHALL BE CEMENT LINED IN ACCORDANCE WITH ANSI/AWWA C104/421.4.
- ALL FITTINGS SHALL BE MECHANICAL JOINT AND INSTALLED WITH RETAINER GLANDS UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- S. LONG RADIUS CURVES, EITHER HORIZONTAL OR VERTICAL, MAY BE LAID WITH STANDARD PIPE BY DEFLECTIONS AT THE JOINTS. MAXIMUM DEFLECTIONS AT PIPE JOINTS AND LAYING RADIUS FOR THE VARIOUS PIPE LENGTHS SHALL BE IN ACCORDANCE WITH ANSI/AWWA C600. WHEN RUBBER GASKETED PIPE IS LAID ON A CURVE, THE PIPE SHALL BE JOINTED IN A STRAIGHT ALIGNMENT AND THEN DEFLECTED TO THE CURVED ALIGNMENT. TRENCHES SHALL BE MADE WIDER ON CURVES FOR THIS PURPOSE.
- ALL VALVE BOXES SHALL BE HEAVY WALL HIGH DENSITY POLYETHYLENE AMERICAN FLOW CONTROL TRENCH ADAPTERS. LIDS TO BE MARKED "WATER" (VALVE BOX EXTENSIONS IF REQUIRED ARE CONSIDERED INCIDENTAL).
- ALL TEES, BENDS, VALVES, AND FIRE HYDRANTS SHALL BE ADEQUATELY SUPPORTED WITH A CONCRETE BASE, AND SUPPORTED LATERALLY WITH POURED IN PLACE THRUST BLOCKING AGAINST UNDISTURBED EARTH.
- ALL WATER MAINS SHALL HAVE A MINIMUM DEPTH OF COVER OF 5.5' OR AS NOTED ON PLANS.
- 10. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RICHTS—OF—WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.
- 11. WATER MAINS AND WATER SERVICE LINES SHALL BE PROTECTED FROM SANITARY SEWERS, STORM SEWERS, COMBINED SEWERS, HOUSE SEWER SERVICE CONNECTIONS AND DRAINS IN ACCORDANCE WITH TITLE 35: ENVIRONMENTAL PROTECTION AGENCY SUBTITLE F: PUBLIC WATER SUPPLIES, CHAPTER II: ENVIRONMENTAL PROTECTION AGENCY, PARTS 651\_654 TECHNICAL POLICY STATEMENTS, SECTION 653.119.
- 13. WHENEVER POSSIBLE, A WATER MAIN MUST BE LAID AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN OR SEWER LINE. SHOULD LOCAL CONDITIONS EXIST WHICH WOULD PREVENT A LATERAL SEPARATION OF TEN FEET, A WATER MAIN MAY BE LAID CLOSER THAN TEN FEET TO A STORM OR SANITARY SEWER PROVIDED THAT THE WATER MAIN INVERT IS AT LEAST EIGHTEEN INCHES ABOVE THE CROWN OF THE SEWER, AND IS EITHER IN A SEPARATE TERDICH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER. IF IT IS IMPOSSIBLE TO OBTAIN PROPER HORIZONTAL OR VERTICAL SEPARATION AS DESCRIBED ABOVE, THEN THE SEWER MUST ALSO BE CONSTRUCTED OF WATER MAIN TYPE MATERIAL (DUCTILE IRON PIPE WITH SLIP—ON OR MECHANICAL JOINTS, PRESTRESSED REINFORCED CONCRETE PIPE WITH ASTM C—443 JOINTS, ETC.) AND PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD TO ASSURE WATER TIGHTMESS BEFORE BACKFILLING
- 14. WHENEVER WATER MAINS MUST CROSS HOUSE SEWERS, STORM SEWERS OR SANITARY SEWERS, THE WATER MAIN SHALL BE LAID AT SUCH AN ELEVATION THAT THE INVERT OF THE WATER MAIN IS EIGHTEEN INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER. THIS VERTICAL SEPARATION MUST BE MEMINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. THIS MUST BE MEASURED AS THE NORMAL DISTANCE FROM THE WATER MAIN TO THE DRAIN OR SEWER. IF IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED ABOVE OR IF IT IS NECESSARY FOR THE WATER MAIN TO PASS UNDER A SEWER OR DRAIN, THEN THE SEWER MUST BE CONSTRUCTED OF WATER MAIN TYPE MATERIAL (AS NOTED IN 1EM 12). THIS CONSTRUCTED OF WATER MAIN TYPE MATERIAL (AS NOTED IN 1EM 12). THIS CONSTRUCTED OF WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET. IN MAKING SUCH CROSSINGS, CENTER A LENGTH OF WATER MAIN PIPE OVER/UNDER THE SEWER TO BE CROSSED SO THAT THE JOINTS WILL BE EQUIDISTANT FROM THE SEWER AND AS REMOTE THEREFROM AS POSSIBLE. WHERE A WATER MAIN MUST CROSS UNDER A SEWEN A VERTICAL SEPARATION OF EIGHTEN INCHES BETWEEN THE INVERT OF THE SEWER AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED, ALONG WITH MEANS TO SUPPORT THE LARGER SIZED SEWER INCHES TO PREVENT THEIR SETTLING AND BREAKING THE WATER MAIN SHALL BE MAINTAINED, ALONG WITH MEANS TO SUPPORT THE LARGER SIZED SEWER INCHES TO PREVENT THEIR SETTLING AND BREAKING THE WATER MAIN SHALL BE MAINTAINED, ALONG WITH MEANS TO SUPPORT THE LARGER SIZED SEWER INCHES TO PREVENT THEIR SETTLING AND BREAKING THE WATER MAIN SHALL BE TO SETTLING AND BREAKING THE WATER MAIN SHALL BE TO SETTLING AND BREAKING THE WATER MAIN SHALL BE TO SETTLING AND BREAKING THE WATER MAIN SHALL BE SETTLING AND BREAKING THE WATER MAIN SHALL BE SETTLING SOME SETTLING AND BREAKING THE WATER MAIN SHALL BE SETTLING SOME SETTLING AND BREAKING THE WATER MAIN.

- 15. VALVE VAULTS SHALL BE ADJUSTED WITH PRECAST CONCRETE ADJUSTING RINGS TO A MAXIMUM OF EIGHT (8') INCHES. HYDROSTATIC TESTS \_ THE CONTRACTOR SHALL PERFORM HYDROSTATIC TESTS IN ACCORDANCE WITH DIVISION IV, SECTION 41 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION, AND APPLICABLE PROVISIONS OF AWMA C\_600 AND C\_603. THE WATER MAINS SHALL BE PRESSURE TESTED AT 150 PSI. ALLOWABLE LEAKAGE SHALL BE AS SET FORTH IN AWWA C\_600 LATEST EDITION. THE DURATION OF THE TEST SHALL BE FOR TWO HOURS MINIMIM.
- 16. DISINFECTION OF THE WATER MAINS \_ UPON COMPLETION OF THE NEWLY LAID WATER MAINS, THE WATER MAINS SHALL BE DISINFECTED IN ACCORDANCE WITH THE AMERICAN WATER WORKS ASSOCIATION, PROCEDURE DESIGNATION, AWWA C\_651, LATEST EDITION, THE CONTRACTOR IS RESPONSIBLE FOR COLLECTING SAMPLES AND HAVING BACTERIOLOGICAL TESTING PERFORMED AS REQUIRED BY THE IEPA. THE CONTRACTOR SHALL FURNISH TO THE VILLAGE THE REQUIRED DOCUMENTATION, TEST RESULTS, ETC., REQUIRED BY THE IEPA FOR PLACING THE WATER MAINS OR SERVICE LINES IN SERVICE AND/OR SECURING AN OPERATING PERMIT.
- WATER VALVES AND FIRE HYDRANTS SHALL BE OPERATED BY VILLAGE OF SUGAR GROVE PERSONNEL, ONLY.
- 18. ALL TRENCHES CAUSED BY THE CONSTRUCTION OF WATER MAINS AND WATER SERVICE PIPES 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 IN ACCORDANCE WITH IDOT STANDARDS AND SPECIAL PROVISIONS.

TRENCH BACKFILL QUANTITIES FOR WATER MAIN HAVE BEEN COMPUTED AND SHALL BE PAID FOR BASED ON THE FOLLOWING MAXIMUM TRENCH WIDTHS IN ACCORDANCE WITH DIVISION V OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION, DATED MAY, 1996, AND REVISIONS THERETO. THE DEPTH OF BACKFILL SHALL BE MEASURED FROM THE TOP OF PIPE EMBEDMENT TO THE FINISHED SUBGRADE OR AS NOTED ON THE PLANS.

PIPE DIA.	MAXIMUM TRENCH WIDTH	PIPE DIA.	MAXIMU TRENCI WIDTH
6"	3.58'	21"	5.04'
8"	3.78'	24"	5.33'
10"	3.97'	27"	5.63'
12"	4.17'	28"	5.72'
14"	4.36'	30"	5.92'
15"	4.46'	33"	6.25'
16"	4.56'	36"	6.50'
18"	4.75'	42"	7.08'
20"	4.94'	48"	7.67'

PROFILE SURVEYED

NOTE BOOK

NOTE BOOK

SHALKE SHECKED

NO.

SURVEYED
PLOTTED
ALIGNARINT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME

BOOK

REVISIONS
ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL

NOTES

SCALE: NTS DRAWN BY:
DATE: 02/07/08 CHECKED BY: WBR