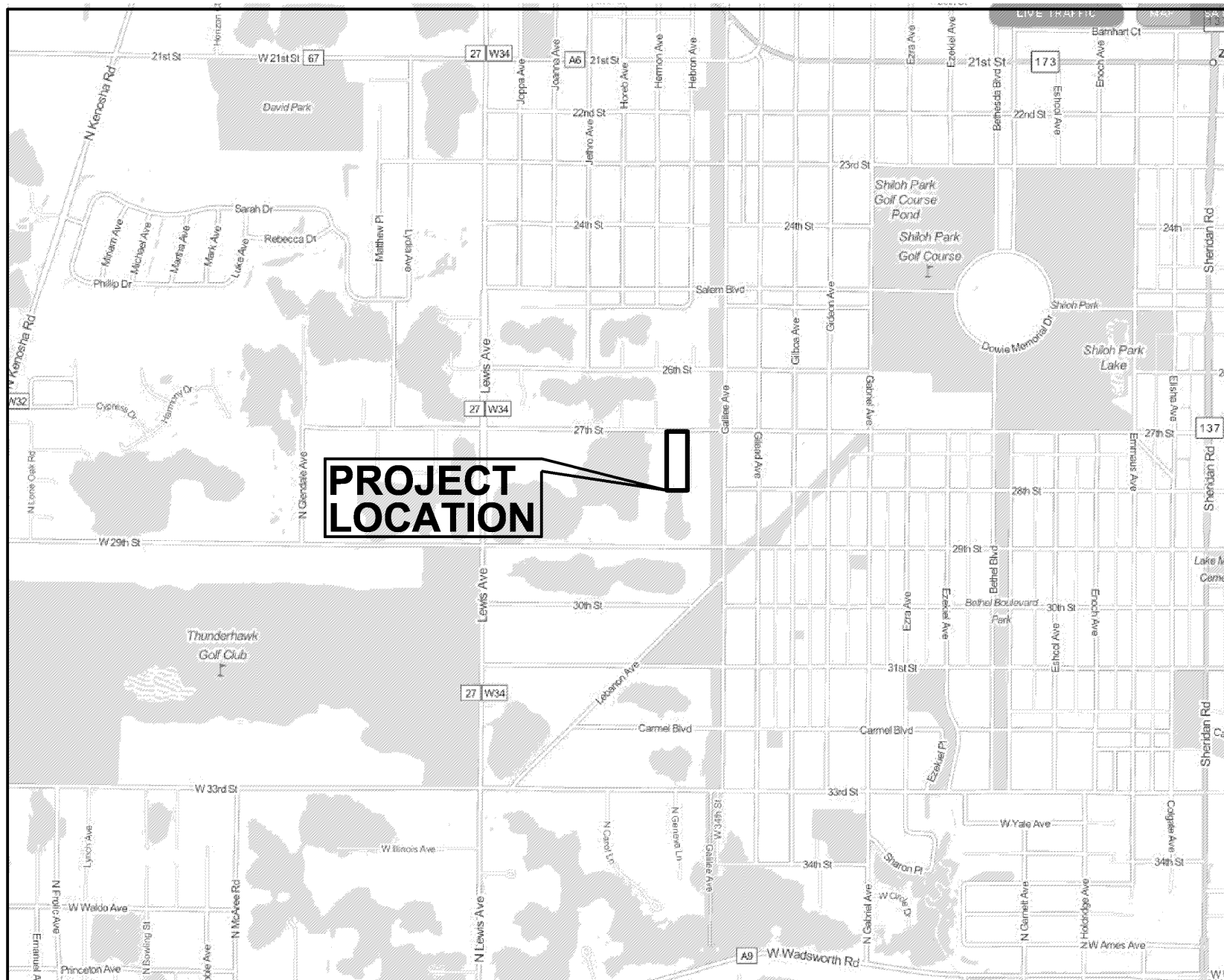


ZION, ILLINOIS

## ZION, ILLINOIS

	<u>EXISTING</u>	<u>PROPOSED</u>
1. <b>General</b>		
2. <b>Site</b>		
3. <b>Design</b>		
4. <b>Construction</b>		
5. <b>Operation and Maintenance</b>		
6. <b>Financial</b>		
7. <b>Environmental</b>		
8. <b>Other</b>		



**LOCATION MAP**  **NORTH**

1. COVER SHEET
2. SPECIFICATIONS & NOTES
3. PLAN AND PROFILE
4. DETAILS AND NOTES

EXISTING		PROPOSED		EXISTING		PROPOSED	
							CENTER LINE
							EASEMENT
							BUILDING SETBACK
							CURB & GUTTER
							CURB & REVERSE GUTTER PITCH
							DEPRESSED CURB & GUTTER
							GUARD RAIL
							FENCE
							RETAINING WALL
							CURB RAMP
							DRIVEWAY HAND SIGN
							MAIL BOX
							SOIL BORING
							DECIDUOUS TREE, DIAMETER
							EVERGREEN TREE, HEIGHT
							TOP OF FOUNDATION
							FINISHED GRADE
							SPOT ELEVATION
							TOP OF CURB ELEVATION
							FLOW LINE OF GUTTER
							CONTOUR
							DITCH
							DRAINAGE FLOW
							OVERLAND FLOW
							RIM ELEVATION
							INVERT ELEVATION
							WETLAND LIMIT
							WETLAND BUFFER LINE
							RIDGE LINE
							BASE FLOOD ELEVATION LINE
							F.E.M.A. FLOODPLAIN LINE

## BENCHMARKS:

**BENCHMARK:**  
**B.M. #8-28 FROM THE LAKE COUNTY BENCHMARK RECOVERY SHEET.**  
**CHISELED SQUARE ON THE CONCRETE CURB AT THE NORTH WEST CORNER**  
**OF THE INTERSECTION OF 29TH STREET AND GALILEE STREET JUST EAST**  
**OF THE BIKE PATH.**  
**NAVD88 ELEVATION=664.67**

**CONTACT INFORMATION:**

**CITY OF ZION**  
2828 SHERIDAN ROAD  
ZION, IL. 60099  
**ART HOYT**  
TEL:847-746-4060  
FAX:847-746-0355

**NORTH SHORE GAS**  
3001 GRAND AVE  
WAUKEGAN, IL. 60085  
847-263-4656

**COMED**  
1500 FRANKLIN BOULEVARD  
LIBERTYVILLE, IL. 60048  
1-847-816-5254

**AT&T**  
222 W. JACKSON STREET  
FLOOR 2  
WOODSTOCK, IL. 60098  
1-630-817-7887

**DEVELOPER:**

**CITY OF ZION**  
2828 SHERIDAN ROAD, IL., 60099, 847-746-4000

**CONSULTING ENGINEERS:**

**PEARSON, BROWN & ASSOCIATES, INC.**

**A PROFESSIONAL DESIGN FIRM - ILLINOIS PROFESSIONAL ENGINEERING CORPORATION - LICENSE NUMBER 184-001058 EXPIRES 04/30/15**  
**1850 W. WINCHESTER ROAD - SUITE 205 LIBERTYVILLE, IL. 60048 (847) 367-6707**

<div><div>Call Before You Dig</div><div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You Dig</div><div>Call Before You 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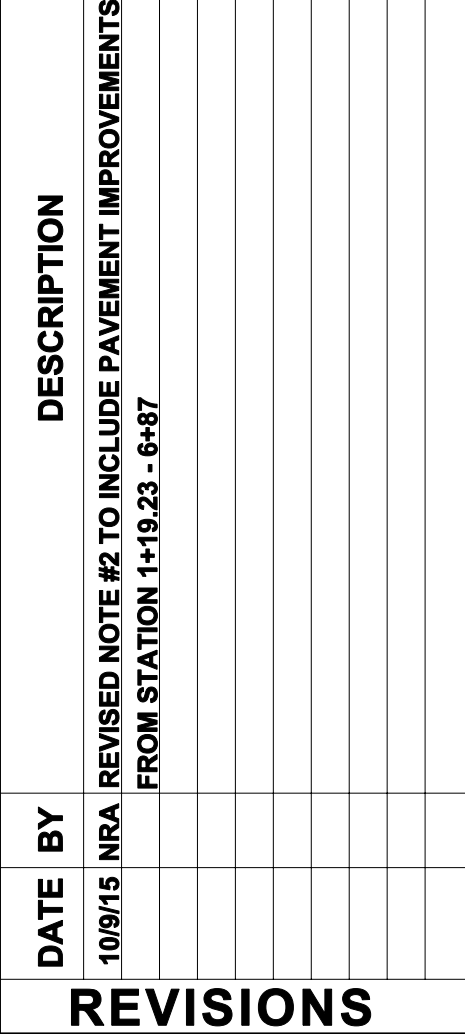
## HEBRON STREET WATER MAIN IMPROVEMENTS



SPECIAL PROVISIONS									
THE FOLLOWING SPECIAL PROVISIONS ASSUME A TYPICAL OWNER/DEVELOPER AND FOUR PRIME CONTRACTORS (EXCAVATION, UNDERGROUND, PAVING, AND LIGHTING), IF A GENERAL CONTRACTOR IS INVOLVED, REQUIREMENTS AND RESPONSIBILITIES SHALL APPLY ACCORDINGLY BASED ON CONTRACT RELATIONSHIPS BETWEEN THE GENERAL CONTRACTOR, RELEVANT SUBCONTRACTORS AND THE OWNER/DEVELOPER.									
I. GENERAL NOTES									
1. THE CONSTRUCTION OF ALL IMPROVEMENTS OF THE STREET SHALL BE GOVERNED BY THE LATEST CODES AND ORDINANCES OF THE MUNICIPALITY.									
THE CONSTRUCTION OF ALL SEWER AND WATER MAIN IMPROVEMENTS ON THIS PROJECT SHALL BE GOVERNED BY THE FOLLOWING:									
A. THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND SUPPLEMENTAL SPECIFICATIONS AND REQUIRING SPECIAL PROVISIONS" (SPECIAL PROVISIONS), LATEST REVISIONS, PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT), IN CASE OF CONFLICT THE "SPECIAL PROVISIONS" SHALL TAKE PRECEDENCE AND GOVERN. BOTH THE IDOT STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS SHALL, HEREINAFTER BE REFERRED TO AS THE "IDOT STANDARD SPECIFICATIONS".									
THE CONSTRUCTION OF ALL PAVING AND GRADING IMPROVEMENTS SHALL BE GOVERNED BY THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND SUPPLEMENTAL SPECIFICATIONS AND REQUIRING SPECIAL PROVISIONS" (SPECIAL PROVISIONS), LATEST REVISIONS, PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT), IN CASE OF CONFLICT THE "SPECIAL PROVISIONS" SHALL TAKE PRECEDENCE AND GOVERN. BOTH THE IDOT STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS SHALL, HEREINAFTER BE REFERRED TO AS THE "IDOT STANDARD SPECIFICATIONS".									
SOL EROSION AND SEDIMENT CONTROL ON THIS PROJECT SHALL BE GOVERNED BY THE "ILLINOIS URBAN MANUAL", LATEST REVISION.									
2. OWNER AND MUNICIPALITY									
THE WORD "OWNER" AS USED IN THE SPECIAL PROVISIONS SHALL, WHERE APPLICABLE, INCLUDE THE LOCAL MUNICIPALITY OR GOVERNING AUTHORITY.									
3. GUARANTEE PERIOD									
ALL CONSTRUCTION PERFORMED UNDER THIS CONTRACT SHALL BE GUARANTEED BY THE CONTRACTOR AND HIS SURETY FOR A PERIOD OF TWELVE MONTHS FROM THE DATE OF FINAL ACCEPTANCE BY THE LOCAL MUNICIPALITY, GOVERNING AUTHORITY, OR PRIVATE OWNER OF THE WORK AGAINST DEFECTS IN WORKMANSHIP AND FAULTY OR IMPROPER MATERIALS.									
4. BONDS AND INSURANCE									
CONTRACTOR SHALL FURNISH PERFORMANCE AND PAYMENT BONDS AS SECURITY FOR THE FAITHFUL PERFORMANCE AND PAYMENT OF ALL HIS OBLIGATIONS UNDER THE PLANS AND SPECIFICATIONS. THESE BONDS SHALL BE IN AMOUNTS AT LEAST EQUAL TO THE CONTRACT PRICE, AND IN SUCH FORM AND WITH SUCH SURETIES AS ARE LICENSED TO CONDUCT BUSINESS IN THE STATE WHERE THE PROJECT IS LOCATED AND ARE NAMED IN THE CURRENT LIST OF "SURETY COMPANIES ACCEPTABLE ON FEDERAL BONDS" AS PUBLISHED IN THE FEDERAL REGISTER BY THE AUDIT STAFF BUREAU OF ACCOUNTS, U. S. TREASURY DEPARTMENT. IF THE SURETY ON ANY BOND FURNISHED BY THE CONTRACTOR IS DECLARED BANKRUPT OR BECOMES INSOLVENT OR ITS RIGHT TO DO BUSINESS IS TERMINATED IN ANY STATE WHERE ANY PART OF THE PROJECT IS LOCATED, CONTRACTOR SHALL, WITHIN FIVE DAYS THEREAFTER SUBSTITUTE ANOTHER BOND AND SURETY, BOTH OF WHICH SHALL BE ACCEPTABLE TO OWNER. CONTRACTOR SHALL PURCHASE AND MAINTAIN SUCH INSURANCE AS WILL PROTECT HIM FROM CLAIMS UNDER WORKMANS COMPENSATION LAWS, DISABILITY BENEFIT LAWS OR OTHER SIMILAR EMPLOYEE BENEFIT LAWS, FROM CLAIMS FOR DAMAGES BECAUSE OF BODILY INJURY, OCCUPATIONAL SICKNESS OR DISEASE, OR DEATH OF HIS EMPLOYEES, AND CLAIMS INCURRED BY USUAL PERSONAL INJURY LIABILITY COVERAGE, FROM CLAIMS FOR DAMAGES BECAUSE OF BODILY INJURY, OCCUPATIONAL SICKNESS OR DISEASE, OR DEATH OF ANY PERSON OTHER THAN HIS EMPLOYEES INCLUDING CLAIMS INCURRED BY USUAL PERSONAL INJURY LIABILITY COVERAGE, FROM CLAIMS FOR DAMAGES BECAUSE OF BODILY INJURY OR PROPERTY DAMAGE OUT OF THE OWNERSHIP MAINTENANCE OR USE OF ANY AUTOMOBILE OR VEHICLE, AND FROM CLAIMS FOR INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY, INCLUDING LOSS OF USE RESULTING THEREFROM - ANY OR ALL OF WHICH MAY ARISE OUT OF OR RESULT FROM CONTRACTORS OPERATIONS UNDER THE PLANS AND SPECIFICATIONS, WHETHER SUCH OPERATIONS BE BY HIMSELF OR BY ANY SUBCONTRACTOR OR ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM OR FOR WHOSE ACTS ANY OF THEM MAY BE LEGALLY LIABLE. IN THE EVENT OF DISAGREEMENT FROM CONTRACTORS OPERATIONS UNDER THE PLANS AND SPECIFICATIONS, WHETHER SUCH OPERATIONS BE BY HIMSELF OR BY ANY SUBCONTRACTOR OR ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM OR FOR WHOSE ACTS ANY OF THEM MAY BE LEGALLY LIABLE, THIS INSURANCE SHALL INCLUDE THE SPECIFIC COVERAGE AND BE WRITTEN FOR NOT LESS THAN THE FOLLOWING ANY LIMITS OF LIABILITY AND MAXIMUM DEDUCTIBLES SPECIFIED OR REQUIRED BY LAW, WHICHEVER IS GREATER, SHALL INCLUDE CONTRACTUAL LIABILITY LIMITATIONS AND SHALL INCLUDE OWNER AND CONSULTANT AS ADDITIONAL INSURED PARTIES. BEFORE STARTING THE WORK, CONTRACTOR SHALL FILE WITH OWNERS AND CONSULTANT CERTIFICATES OF SUCH INSURANCE, ACCEPTABLE TO OWNER, THESE CERTIFICATES SHALL CONTAIN A PROVISION THAT THE COVERAGE AFFORDED UNDER THE POLICIES WILL NOT BE CANCELLED OR MATERIALLY CHANGED UNTIL AT LEAST FIFTEEN DAYS PRIOR WRITTEN NOTICE HAS BEEN GIVEN TO OWNER AND CONSULTANT. CERTIFICATE OF INSURANCE SHALL BE FILED WITH THE MUNICIPAL CLERK NAMING THE MUNICIPALITY ITS ELEVATIVE AND APPOINTEE BODIES, COMMISSIONS, OFFICERS, AGENTS AND EMPLOYEES AS ADDITIONAL INSURED TO COVER CLAIMS WHICH MAY ARISE OUT OF THE PERFORMANCE OF THE WORK BY THE APPLICANT OR HIS AGENTS OR CONTRACTORS.									
5. INDEMNIFICATION									
CONTRACTOR SHALL INDEMNIFY AND HOLD HARMLESS THE MUNICIPALITY, OWNER AND CONSULTANT, AND THEIR AGENTS AND EMPLOYEES FROM AND AGAINST ALL CLAIMS, DAMAGES, LOSSES AND EXPENSES INCLUDING ATTORNEYS FEES ARISING OUT OF OR RESULTING FROM THE PERFORMANCE OF THE WORK, PROVIDED THAT ANY SUCH CLAIM, DAMAGE, LOSS OR EXPENSE (A) IS ATTRIBUTABLE TO BODILY INJURY, SICKNESS, DISEASE OR DEATH, OR TO INJURY TO OR DESTRUCTION OF TANGIBLE PROPERTY (OTHER THAN THE WORK ITSELF) INCLUDING THE LOSS OF USE RESULTING THEREFROM AND (B) IS CAUSED IN WHOLE OR IN PART BY ANY NEGLECT, ACT OR OMISSION OF CONTRACTOR, ANY SUBCONTRACTOR, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT IT IS CAUSED IN PART BY A PARTY INDEMNIFIED HEREUNDER. IN ANY AND ALL CLAIMS AGAINST OWNER OR CONSULTANT OR ANY OF THEIR AGENTS OR EMPLOYEES BY ANY EMPLOYEE OF CONTRACTOR, ANY SUBCONTRACTOR, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, THE INDEMNIFICATION SHALL BE PROVIDED AND SHALL NOT BE LIMITED IN ANY WAY BY ANY LIMITATION ON THE AMOUNT OR TYPE OF DAMAGES, COMPENSATION OR BENEFITS PAYABLE BY OR FOR CONTRACTOR OR ANY SUBCONTRACTOR UNDER WORKMANS COMPENSATION ACTS, DISABILITY BENEFIT ACTS OR OTHER EMPLOYEE BENEFIT ACTS.									
6. LIABILITY LIMITATIONS									
THE CONTRACTOR AND HIS SUBCONTRACTORS ARE SKILLED AND EXPERIENCED IN THE USE AND INTERPRETATIONS OF PLANS AND SPECIFICATIONS SUCH AS THOSE INCLUDED IN THE BID DOCUMENTS FOR THIS CONTRACT. THEY HAVE CAREFULLY REVIEWED THE PLANS AND SPECIFICATIONS, AND HAVE FOUND THEM FREE OF AMBIGUITIES AND SUFFICIENT FOR BID PURPOSES. FURTHER, THEY HAVE BASED THEIR BID SOLELY ON THESE DOCUMENTS, NOT RELYING IN ANY WAY ON ANY EXPLANATION OR INTERPRETATION, ORAL OR WRITTEN, FROM ANY OTHER SOURCE. HAVING ASSURED HIMSELF OF THE ADEQUACY OF THE DOCUMENTS AND THE ACCURACY OF HIS BID, THE CONTRACTOR AGREES AND SHALL REQUIRE HIS SUBCONTRACTORS TO AGREE TO LIMIT THE LIABILITY OF THE OWNER AND OF THE CONSULTANT TO A TOTAL AGGREGATE LIABILITY TO THE CONTRACTOR OF THE AMOUNT OF THE CONSULTANTS TOTAL FEE FOR SERVICES RENDERED ON THIS PROJECT. NEITHER THE CONTRACTOR NOR ANY OF HIS SUBCONTRACTORS ASSUME ANY LIABILITY FOR THE ERRORS, OMISSIONS OR NEGLIGENCE ACTS OF THE CONSULTANT.									
7. SAFETY AND PROTECTION									
CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. HE SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF, AND SHALL PROVIDE THE NECESSARY PROTECTION TO PREVENT DAMAGE, INJURY OR LOSS TO:									
A. ALL EMPLOYEES ON THE WORK AND OTHER PERSONS WHO MAY BE AFFECTED THEREBY.									
B. ALL THE WORK AND ALL MATERIALS OR EQUIPMENT TO BE INCORPORATED THEREIN, WHETHER IN STORAGE ON OR OFF SITE.									
C. OTHER PROPERTY AT THE SITE OR ADJACENT THERETO, INCLUDING TREES, SHRUBS, LAWNS, WALKS, PAVEMENTS, ROADWAYS, STRUCTURES AND UTILITY NOT DESIGNATED FOR REMOVAL, RELOCATION OR REPLACEMENT IN COURSE OF CONSTRUCTION.									
CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY OR TO PROTECT THEM FROM DAMAGE, INJURY OR LOSS. HE SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR ITS SAFETY AND PROTECTION. HE SHALL NOTIFY OWNERS OF ADJACENT UTILITIES WHEN PROSECUTION OF THE WORK MAY AFFECT THEM. DAMAGE, INJURY OR LOSS TO ANY PROPERTY REFERRED TO CAUSE, DIRECTLY OR INDIRECTLY, IN WHOLE OR IN PART, BY CONTRACTOR, ANY SUBCONTRACTOR OR ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM OR ANYONE FOR WHOSE ACTS ANY OF THEM MAY BE LIABLE, SHALL BE REMEDIED BY CONTRACTOR. CONTRACTORS DUTIES AND RESPONSIBILITIES FOR THE SAFETY AND PROTECTION OF THE WORK SHALL CONTINUE UNTIL SUCH TIME AS ALL THE WORK IS COMPLETED AND CONSULTANT HAS ISSUED A NOTICE TO OWNER AND CONSULTANT THAT WORK IS ACCEPTABLE. CONTRACTOR SHALL DESIGNATE A RESPONSIBLE MEMBER OF HIS ORGANIZATION AT THE SITE WHOSE DUTY SHALL BE THE PREVENTION OF ACCIDENTS. THIS PERSON SHALL BE THE CONTRACTORS SUPERINTENDENT UNLESS OTHERWISE DESIGNATED IN WRITING BY CONTRACTOR TO OWNER. IN EMERGENCIES AFFECTING THE SAFETY OF PERSONS OR THE WORK OR PROPERTY AT THE SITE OR ADJACENT THERETO, CONTRACTOR, WITHOUT SPECIAL INSTRUCTION OR AUTHORIZATION FROM CONSULTANT OR OWNER, IS OBLIGATED TO ACT, AT HIS DISCRETION, TO PREVENT THREATENED DAMAGE, INJURY OR LOSS.									
8. SUPERVISION AND SUPERINTENDENCE									
CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK EFFICIENTLY AND WITH HIS BEST SKILL AND ATTENTION. HE SHALL BE SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION, BUT HE SHALL NOT BE SOLELY RESPONSIBLE FOR THE NEGLIGENCE OF OTHERS IN THE DESIGN OR SELECTION OF A SPECIFIC MEANS, METHOD, TECHNIQUE, SEQUENCE OR PROCEDURE OF CONSTRUCTION WHICH IS INDICATED IN AND REQUIRED BY THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT THE FINISHED WORK COMPLES ACCURATELY WITH THE PLANS AND SPECIFICATIONS. CONTRACTOR SHALL KEEP ON THE WORK AT ALL TIMES DURING ITS PROGRESS. A COMPETENT RESIDENT SUPERINTENDENT, WHO SHALL NOT BE REPLACED WITHOUT WRITTEN NOTICE TO OWNER AND CONSULTANT, EXCEPT UNDER EXTRAORDINARY CIRCUMSTANCES, THE SUPERINTENDENT WILL BE CONTRACTORS REPRESENTATIVE AT THE SITE AND SHALL HAVE AUTHORITY TO ACT ON BEHALF OF CONTRACTOR. ALL COMMUNICATIONS GIVEN TO THE SUPERINTENDENT SHALL BE AS BINDING AS IF GIVEN TO CONTRACTOR.									
9. SUBSTITUTE MATERIAL OR EQUIPMENT									
IF THE GENERAL REQUIREMENTS, LAWS, ORDINANCES OR APPLICABLE RULES OR REGULATIONS PERMIT CONTRACTOR TO FURNISH OR USE A SUBSTITUTE THAT IS EQUAL TO OR BETTER MATERIAL OR EQUIPMENT SPECIFIED, AND IF ANY CONTRACT WISHES TO FURNISH OR USE A PROPOSED SUBSTITUTE, HE SHALL MAKE WRITTEN APPLICATION TO CONSULTANT, OWNER AND VILLAGE FOR APPROVAL OF SUCH A SUBSTITUTE CERTIFYING IN WRITING THAT THE PROPOSED SUBSTITUTE WILL PERFORM ADEQUATELY THE FUNCTION CALLED FOR BY THE GENERAL DESIGN, BE SIMILAR AND OF EQUAL SUBSTANCE TO THAT SPECIFIED AND BE SUITED TO THE SAME USE AND CAPABLE OF PERFORMING THE SAME FUNCTION AS THAT SPECIFIED, STATING WHETHER OR NOT ITS INCORPORATION IN OR USE IN CONNECTION WITH THE PROJECT IS SUBJECT TO THE PAYMENT OF ANY LICENSE FEE OR ROYALTY, AND IDENTIFYING ALL VARIATIONS OF THE PROPOSED SUBSTITUTE FROM THAT SPECIFIED AND INDICATING AVAILABLE MAINTENANCE SERVICE, NO SUBSTITUTE SHALL BE ORDERED OR INSTALLED WITHOUT THE WRITTEN APPROVAL OF CONSULTANT WHO WILL BE THE JUDGE OF EQUALITY AND MAY REQUIRE CONTRACTOR TO FURNISH SUCH OTHER DATA ABOUT THE PROPOSED SUBSTITUTE AS HE CONSIDERS PERTINENT, NO SUBSTITUTE SHALL BE ORDERED OR INSTALLED WITHOUT SUCH PERFORMANCE GUARANTEE AND BONDS AS OWNER MAY REQUIRE WHICH SHALL BE FURNISHED AT CONTRACTORS EXPENSE.									
10. RECORD DRAWINGS									
CONTRACTOR SHALL KEEP ONE RECORD COPY OF ALL SPECIFICATIONS, DRAWINGS, ADDENDA, MODIFICATIONS, AND SHOP DRAWINGS AT THE SITE IN GOOD ORDER AND ANNOTATED TO SHOW ALL CHANGES MADE DURING THE CONSTRUCTION PROCESS. THESE SHALL BE AVAILABLE TO CONSULTANT AND OWNER SHALL BE DELIVERED TO HIM OR OWNER UPON COMPLETION OF THE PROJECT. CONSULTANT OR OWNER SHALL SUPPLY RECORD DRAWINGS TO THE LOCAL MUNICIPALITY.									
11. INSTRUCTIONS TO CONTRACTORS FROM CONSULTANT									
THE CONTRACTOR SHALL ONLY ACCEPT INSTRUCTIONS, EITHER VERBAL OR WRITTEN, FROM AUTHORIZED PERSONNEL OF PEARSON, BROWN & ASSOCIATES, INC., THE PERSONNEL SO AUTHORIZED TO ISSUE INSTRUCTIONS TO CONTRACTORS ARE EXCLUSIVELY RONALD ADAMS, GUS ZOZOGAROS AND _____ NOT WITHOUT OWNERS PERMISSION.									
12. APPLICATION FOR PAYMENT									
IF APPROVAL BY THE CONSULTANT AND THE MUNICIPALITY IS REQUIRED FOR THE PROCESSING OF THE APPLICATION FOR PAYMENT, THEN CONTRACTOR SHALL SUBMIT TO CONSULTANT AN APPLICATION FOR PAYMENT ACCEPTABLE TO CONSULTANT AND SHALL PROVIDE TO THE CONSULTANT ANY AND ALL INFORMATION PERTINENT TO SAID APPLICATION WHETHER REQUESTED SPECIFICALLY OR NOT. CONSULTANTS APPROVAL IS BASED ON THE INFORMATION SUBMITTED TO HIM BY THE CONSULTANT. IF CONTRACTOR HAS AGREED BY CONTRACT AGREEMENT OR IN THE SCOPE OF WORK TO A QUANTITY OF EQUIPMENT WITH OPERATORS OR TO A NUMBER OF CREWS TO START WORK ON A SPECIFIC DATE, THE CONSULTANT HAS DIRECTED THAT THE RETENTION SHALL BE REDUCED TO FIVE (5) UNTIL SUCH TIME AS CONTRACTOR HAS APPLIED FOR AND OBTAINED TESTING AND OBTAINED IN WRITING FINAL ACCEPTANCE FOR MAINTENANCE OF THIS WORK BY SAID GOVERNING AUTHORITIES. UPON TESTING, APPROVAL AND ACCEPTANCE OF THE WORK, THE RETENTION SHALL BE REDUCED TO TWO PERCENT (2%) UNTIL ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AT WHICH TIME ALL MONIES DUE CONTRACTOR SHALL BE APPROVED FOR PAYMENT UNLESS CONTRACTOR HAD FAILED TO PERFORM IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND/OR WRITTEN OR VERBAL INSTRUCTIONS FROM ENGINEER REGARDING FAULTY MATERIAL AND/OR WORKMANSHIP.									
13. RETENTION									
ANY AND ALL APPLICATIONS FOR PAYMENT SUBMITTED TO CONSULTANT SHALL HAVE A TEN PERCENT (10%) RETAINER UNTIL SUCH TIME AS ONE HUNDRED PERCENT (100%) OF THE WORK REQUESTED OF SAID CONTRACTOR HAS BEEN COMPLETED. UPON COMPLETION OF ONE HUNDRED (100%) PERCENT OF THE WORK, THE RETENTION SHALL BE REDUCED TO FIVE (5) UNTIL SUCH TIME AS CONTRACTOR HAS APPLIED FOR AND OBTAINED TESTING AND OBTAINED IN WRITING FINAL ACCEPTANCE FOR MAINTENANCE OF THIS WORK BY SAID GOVERNING AUTHORITIES. UPON TESTING, APPROVAL AND ACCEPTANCE OF THE WORK, THE RETENTION SHALL BE REDUCED TO TWO PERCENT (2%) UNTIL ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AT WHICH TIME ALL MONIES DUE CONTRACTOR SHALL BE APPROVED FOR PAYMENT UNLESS CONTRACTOR HAD FAILED TO PERFORM IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AND/OR WRITTEN OR VERBAL INSTRUCTIONS FROM ENGINEER REGARDING FAULTY MATERIAL AND/OR WORKMANSHIP.									
14. CONFLICT BETWEEN COMPONENT PARTS OR SPECIFICATIONS									
IN THE EVENT THAT ANY PROVISION IN ANY OF THE FOLLOWING COMPONENT PARTS OF THESE SPECIFICATIONS CONFLICT WITH ANY PROVISION IN ANY OTHER OF THE COMPONENT PARTS, THE PROVISION IN THE COMPONENT PART FIRST LISTED BELOW SHALL GOVERN OVER ANY OTHER COMPONENT PART WHICH FOLLOWS IT, EXCEPT AS MAY OTHERWISE SPECIFICALLY BE STATED. SAID COMPONENT PARTS ARE THE FOLLOWING:									
A. PLANS									
B. ADDENDUM TO SPECIFICATIONS									
C. SPECIAL PROVISIONS									
D. STANDARD SPECIFICATIONS									
15. PERMITS									
THE OWNER OR CONSULTANT SHALL MAKE APPLICATION FOR THE FOLLOWING PERMITS: WATER: CITY OF ZION EPA: MUNICIPALITY SUPPLY									
II. GENERAL NOTES									
1. NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION". PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE CONSULTANT BEFORE DOING ANY WORK. OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE CONSULTANT PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY QUESTION OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE CONSULTANT SHALL BE FINAL AND CONCLUSIVE.									
2. THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR THE PROPER BRACING, SHORING AND OTHER REQUIRED PROTECTION OF ALL ROADWAYS 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 CONSULTANT.									
3. FINE AND GRADE STAKES ARE PROVIDED BY CONSULTANT. STAKES WILL BE SET AT THE OWNER'S EXPENSE ONE TIME AND ONE TIME ONLY. CONTRACTORS SHALL NOTIFY THE CONSULTANT THAT STAKES WILL BE NEEDED AT LEAST 3 WORKING DAYS IN ADVANCE OF STARTING THEIR WORK. ADDITIONAL NOTIFICATION SHALL BE PROVIDED PRIOR TO THE START OF INITIAL PROJECT CONSTRUCTION OPERATIONS. ANY AND ALL REQUIRED RESTAKING WILL BE PERFORMED BY THE CONSULTANT AT THE EXPENSE OF THAT CONTRACTOR REQUIRING THE RESTAKING. IT SHALL BE THE RESPONSIBILITY OF EACH CONTRACTOR TO PROTECT STAKES PROVIDED FOR HIS USE AND TO REPORT TO THE OWNERS SUPERINTENDENT ANY SPECIFIC INSTANCES OF DAMAGED STAKES AND/OR MONUMENTS PROVIDED. LOT CORNER RINGS ARE TO BE CONSIDERED AS CONTROL.									
OFTEN TIMES, CURB GRADE STAKES ARE PLACED AT A 4' OFFSET TO BACK OF CURB AT THE REQUEST OF THE CONTRACTOR. IN MOST INSTANCES, THE AREA IS LOCATED OVER THE WATERMAIN, SANITARY SEWER OR STORM SEWER TRENCH, AND NOT BOLD GROUND. CURB GRADE STAKES MAY LOSE THEIR INTEGRITY DUE TO A HAVERY, HEAVY MACHINERY TRAFFIC, AND THEREFORE, THE CURB GRADE CONTRACTOR SHALL CHECK THE CURB GRADE STAKES DURING THE SETTING OF THE STRING LINE AND REPORT ANY IRREGULARITIES TO THE CONSULTANT. THE CURB CONTRACTOR SHALL ALSO VERIFY THAT ALL STAKES FOR CURB DEPRESSIONS (SIDEWALKS, DRIVEWAYS, BIKE PATHS, EMERGENCY ACCESS, ETC.) ARE IN PLACE PRIOR TO POURING OF ANY CURB.									
4. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHT-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 UTILITIES OF SERVICE ARE LOCATED TO BE REMOVED OR RELOCATED, THE LOCATION SHALL BE INDICATED ON THE PLANS BY INCLUDING THE SERVICE LOCATION RECORDS. RELOCATION OF SERVICES, NOT FOUND AT LOCATIONS INDICATED BY RECORDS, SHALL BE THE RESPONSIBILITY OF THE UNDERGROUND CONTRACTOR AT HIS COST TO THE OWNER.									
5. WHENEVER THE PERFORMANCE OF WORK IS INDICATED ON THE PLANS, AND NO ITEM IS INCLUDED IN THE CONTRACT FOR PAYMENT, THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.									
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES, AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH THE I.D.O.T. STANDARD SPECIFICATIONS. ADEQUATE LIGHTING SHALL BE MAINTAINED FROM DUSK TO DAWN AT ALL LOCATIONS WHERE CONSTRUCTION OPERATIONS WARRANT, OR AS DEEMED BY THE CONSULTANT, ANY MUNICIPALITY OR GOVERNING AGENCY. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH THE I.D.O.T. STANDARD PROCEDURES, AND THE FEDERAL HIGHWAY ADMINISTRATION'S MANUAL ON "UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION.									
7. CONTRACTORS SHALL KEEP PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, CLEAN PAVEMENTS ON A DAILY BASIS.									
8. PRIOR TO COMMENCEMENT OF UNDERGROUND CONSTRUCTION, THE GRADING CONTRACTOR SHALL OBTAIN FROM THE OWNER AND/OR CONSULTANT VERIFICATION OF ELEVATIONS TO PLUS OR MINUS ONE TENTH OF A FOOT (0.1') OF PROPOSED SUB-GRADE AND APPROVALS OF COMPARISON.									
9. DURING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL ENSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER ACCEPTABLE METHOD. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADEQUATE COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.									
10. IT SHALL BE THE RESPONSIBILITY OF EACH RESPECTIVE CONTRACTOR TO REMOVE FROM THE SITE ANY AND ALL MATERIALS AND DEBRIS WHICH RESULT FROM HIS CONSTRUCTION OPERATIONS AT NO ADDITIONAL EXPENSE TO THE OWNER.									
11. THE CONSULTANT, MUNICIPALITY AND OWNER 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.									
12. ELECTRIC, TELEPHONE, NATURAL GAS, AND OTHER UTILITY COMPANIES HAVE UNDERGROUND AND/OR OVERHEAD SERVICE FACILITIES IN THE VICINITY OF THE PROPOSED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITY COMPANIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR THE MAINTENANCE AND PRESERVATION OF THESE FACILITIES. THE CONTRACTOR SHALL CALL JULIE A. LUT (800)929-2123 AND THE MUNICIPALITY FOR UTILITY LOCATIONS.									
13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ARRANGE FOR THE RELOCATION OR BRACING OF EXISTING UTILITY POLES THAT MAY BE WITHIN THE WORKING LIMITS OF THE CONTRACT. IT IS EXPRESSLY UNDERSTOOD THAT ALL WORK AND COSTS CONNECTED WITH THESE UTILITY POLES, THEIR TEMPORARY RELOCATIONS, ETC., SHALL BE THE RESPONSIBILITY OF THE OWNER/DEVELOPER OR RELEVANT CONTRACTOR.									
14. ALL PAVEMENT, CURB AND GUTTER, DRIVEWAYS, SIDEWALKS, TREES, SHRUBS, BUSHES, LAWNS, FENCES AND ALL OTHER STRUCTURES REQUIRED TO BE REMOVED, SHALL BE REPLACED AND/OR REINSTATED AS DIRECTED BY THE OWNER TO ORIGINAL CONDITION. ALL RESTITUTION NOT COVERED IN THE CONTRACT QUANTITIES OR SPECIFICATIONS SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT.									
15. THE CONSULTANT SHALL COMPLY WITH ALL STATE AND FEDERAL SAFETY REGULATIONS AS OUTLINED IN THE LATEST REVISIONS OF THE FEDERAL CONSTRUCTION SAFETY STANDARDS (SERIES 1928) AND WITH APPLICABLE PROVISIONS AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND PERIODICALLY OF THE OSHA STEELER OCCUPATIONAL HEALTH STATE SAFETY ACT OF 1970(REVISED). THE CONTRACTOR, CONSULTANT AND OWNER SHALL EACH BE RESPONSIBLE FOR HIS OWN RESPECTIVE AGENTS AND EMPLOYEES.									
16. CHANGES IN THE CONSULTANTS ENGINEERING PLANS MUST BE APPROVED BY BOTH THE DESIGN CONSULTANT AND THE MUNICIPAL ENGINEER. A WRITTEN REQUEST, ACCOMPANIED BY REVISED ENGINEERING PLANS, IS TO BE SUBMITTED TO BOTH AND APPROVED BY BOTH BEFORE CHANGES ARE STARTED.									
17. DRAIN TILES MAY EXIST ON THE SUBJECT PROPERTY. THEIR LOCATIONS MAY BE KNOWN AND/OR UNKNOWN AND MAY EXTEND OFFSITE EITHER UPSTREAM OR DOWNSTREAM. ALL EXISTING ONSITE MAINLINE AND DRAIN TILES SHALL BE REMOVED PRIOR TO OTHER DEVELOPMENT ACTIVITIES. IF ANY EXISTING DRAIN TILE (MAINLINE, SUB-MAN OR LATERAL) CONTINUE OFF-SITE TO UPLAND WATERSHEDS, THE CONTRACTOR (GRADING AND/OR UNDERGROUND) SHALL NOTIFY THE CONSULTANT AND OBTAIN APPROVAL AND MUST MAINTAIN DRAINAGE SERVICE DURING CONSTRUCTION UNTIL NEW STORM SEWER CAN BE INSTALLED FOR A PERMANENT CONNECTION OR BE REROUTED WITH NEW PIPE OF SIMILAR SIZE, MATERIAL, CAPACITY AND GRADIENT AND PUT INTO ACCEPTABLE OPERATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER DESIGN AND INSTALLATION OF DRAINAGE STRUCTURE ACTIVITY INCLUDING GRADING, UNDERGROUND PIPING AND BUILDING EXCAVATION SHOULD ADEQUATELY REMOVE OR TAKE OUT OF SERVICE ONSITE SUB-MAINS AND LATERALS. THE COST OF THE ABOVE WORK NOT INCLUDED IN THE SCHEDULE OF QUANTITIES SHALL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.									
III. UNDERGROUND									
GENERAL									
1. WORK UNDER THIS SECTION SHALL INCLUDE TRENCHING, INSTALLATION OF PIPE, CASTINGS, STRUCTURES, BACKFILLING OF TRENCHES AND COMPACTION, AND TESTING AS SHOWN ON THE CONSTRUCTION PLANS. FITTINGS AND ACCESSORIES NECESSARY TO COMPLETE THE WORK MAY NOT BE SPECIFIED BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE COST OF THE CONTRACT.									



- 1) THE LOCATION OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE ALL IMPACTED UTILITIES ARE ACCURATELY IDENTIFIED IN THE FIELD PRIOR TO ANY EXCAVATION ACTIVITY.
- 2) SAWCUT EXISTING PAVEMENT AND BACKFILL TRENCH WITH C&G COMPACTED STONE AND FROM STA. +19.23 TO STA. 6+87 REPLACE PAVEMENT WITH A MINIMUM OF 2 1/2" OF BINDER AND 1 1/2" OF SURFACE COURSE.



## HEBRON STREET WATER MAIN IMPROVEMENTS

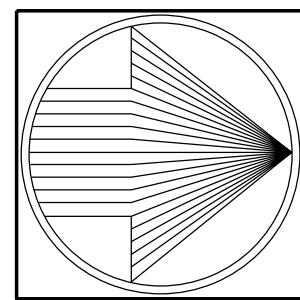
PEARSON, BROWN & ASSOCIATES, INC.  
ZION, ILLINOIS

DESIGNED BY: G.A.Z.  
DRAWN BY: R.C.J.  
CHECKED BY: A.K.Z.  
ORIGINAL ISSUE: 03/31/13  
FIELD BOOK No:

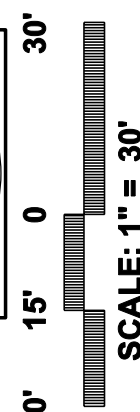
**PEARSON & ASSOCIATES, INC.**  
CONSULTING ENGINEERS

1850 W. WINCHESTER ROAD - SUITE 205  
LIBERTYVILLE, IL. 60048  
PHONE: (847) 367-6707  
FAX: (847) 367-2567  
E-MAIL ADDRESS: pbs@pearsonbrown.com

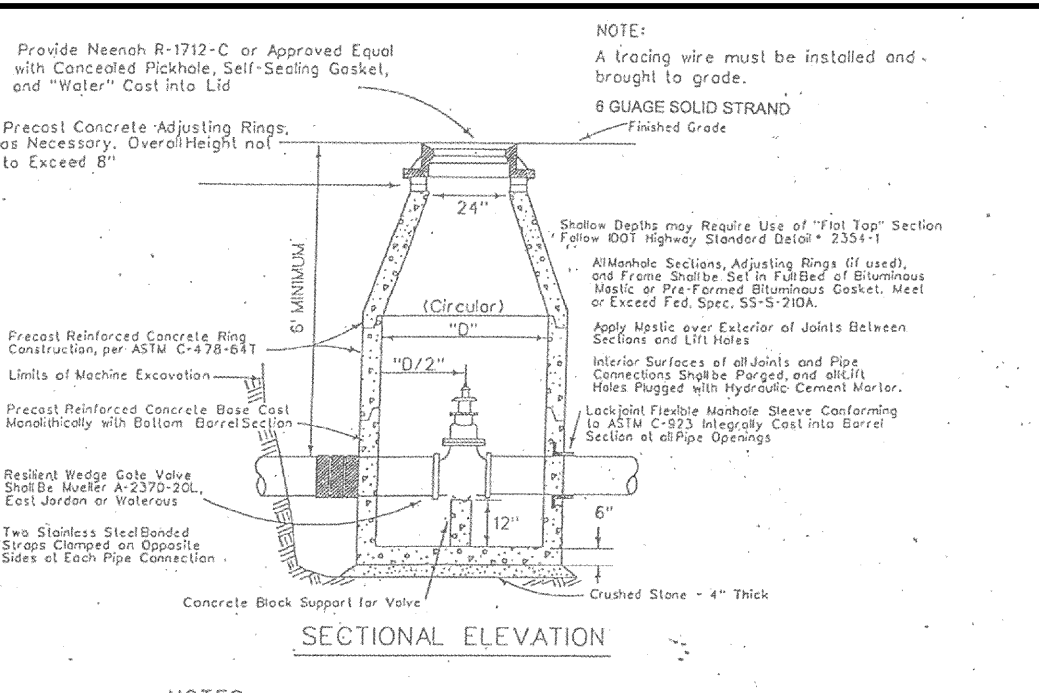
**E-MAIL ADDRESS:** [pba@pearsonbrown.com](mailto:pba@pearsonbrown.com)



# NORTH



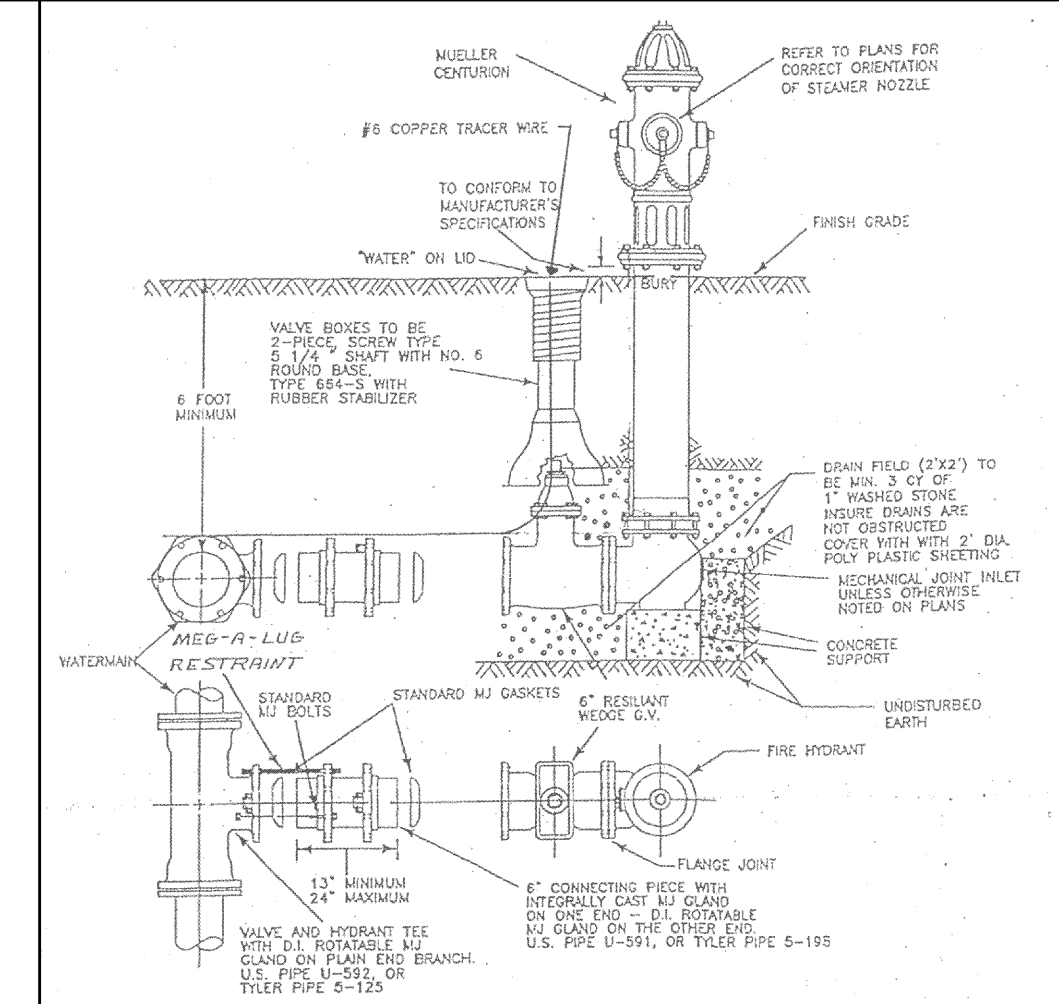





**NOTES:**

1. Dimension "D" Shall Be 48" When Water Main is Less Than 10" in Diameter, 60" When Diameter of Main is 10" or 12", 72" When Diameter of Main is 14" or 16", and 84" When Diameter of Main is 18" or Larger.
2. For Cast Iron Vaults Constructed Over Existing Mains, It Is at Pressure Connections or for Valve Insertions, Refer to Pressure Connection Detail.
3. The Contract Unit Price For "Valve Vault" Shall Include the Cost of Furnishing and Placing 3" Leveling Base as Specified, and the Cost of Furnishing and Placing the Specified Frame and Cover. The Leveling Shall Be Done by Overturning Nut so That Valve can be Keyed Without Twist or Torque.
4. Use offset cones only when needed to center valve otherwise concentric.

## CITY OF ZION VALVE VAULT DETAIL



## CITY OF ZION FIRE HYDRANT DETAIL

<div>DETAILS AND NOTES</div>		SHEET NUMBER		JOB No. 1492	
		4			
		OF 4 SHEETS			
REVISIONS		DATE BY	DESCRIPTION	<div>PEARSON, BROWN &amp; ASSOCIATES, INC. CONSULTING ENGINEERS 1850 W. WINCHESTER ROAD - SUITE 205 LIBERTYVILLE, IL. 60048 PHONE: (847) 367-6707 FAX: (847) 367-2567 E-MAIL ADDRESS: pbs@pearsonbrown.com</div> <div>© COPYRIGHT 2010 PEARSON, BROWN &amp; ASSOCIATES, INC. ALL RIGHTS RESERVED</div>	
HEBRON STREET WATER MAIN IMPROVEMENTS		ZION, ILLINOIS		<div><div>PEARSON, BROWN &amp; ASSOCIATES, INC. CONSULTING ENGINEERS 1850 W. WINCHESTER ROAD - SUITE 205 LIBERTYVILLE, IL. 60048 PHONE: (847) 367-6707 FAX: (847) 367-2567 E-MAIL ADDRESS: pbs@pearsonbrown.com</div></div> <div>© COPYRIGHT 2010 PEARSON, BROWN &amp; ASSOCIATES, INC. ALL RIGHTS RESERVED</div>	
		DESIGNED BY: G.A.Z.			
		DRAWN BY: R.C.J.			
		CHECKED BY: A.K.Z.			
		ORIGINAL ISSUE: 03/31/15			

### **NOTICE TO BIDDERS**

SEALED bids will be received by the City of Zion at the City Clerk's Office until 10:00 a.m. Monday, March 28, 2016, at which time and place they will be publicly opened and read for "Hebron Street Water Main Improvements". The project will consist of the construction of 570 lf of 8" and 6" diameter water mains and appurtenances on Hebron Street and 27<sup>th</sup> Street.

Bid Specifications can be obtained at the City Clerk's Office, Zion City Hall, 2828 Sheridan Road, Zion, Illinois 60099, 847-746-4014, or email [diane@zion.il.us](mailto:diane@zion.il.us)

Said bids shall be in a sealed envelope, plainly marked on the outside with the name and address of the company submitting the bid and with the words "Hebron Street Water Main Improvements."

The City of Zion reserves the right to reject any or all bids, to waive informalities or technicalities in bidding, to re-advertise for bids, or to accept the proposal which it deems most favorable to the interest of the City.

As evidence of good faith, each bid submitted shall be accompanied by a certified check, bank cashier's check or bid bond in the amount of 5% of the bid to secure the City against loss occasioned by failure of the contractor to abide by and comply with the terms of this bid. Each contractor, by submitting a bid, signifies his intentions and good faith to enter into a contract with the City of Zion, Illinois, should he be awarded the contract.

The awarding of this contract is contingent upon the receipt of Lake County Community Development Block Grant (CDBG) funds.

DATED this 12<sup>th</sup> day of March, 2016.

Diane Burkemper  
City Clerk  
City of Zion, Illinois

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## **INSTRUCTIONS TO BIDDERS**

### **ARTICLE 1. PROPOSALS**

Bids are requested for the construction of Hebron Street Water Main Improvements throughout the City as specified or implied, for the City of Zion, Lake County, Illinois, hereinafter referred to as the Owner, to be performed in accordance with the Specifications, and Contract Documents and Drawings prepared by Pearson, Brown & Associates, Inc.

### **ARTICLE 2. EXAMINATION OF DOCUMENTS AND INSPECTION OF SITE**

Before submitting a Bid/Proposal, Bidders shall carefully examine the Drawings, read the Specifications and Contract Documents, fully inform themselves of all existing conditions and limitations, and include in the Proposal a sum to cover the cost of all items included in the Contract Documents.

### **ARTICLE 3. FORM**

Each Proposal shall be made on a form prepared by the Municipal Engineer/Director of Public Works and included as one of the Contract Documents and shall be submitted in a sealed envelope bearing the title of the work and the name of the Bidder.

### **ARTICLE 4. DELIVERY OF PROPOSAL**

Proposals shall be delivered by the time and to the place stipulated in the Advertisement. It is the sole responsibility of the Bidder to see that his Proposal is received in proper time. Any Proposal received after the scheduled closing time for receipt of Proposals will be returned to the Bidder unopened.

### **ARTICLE 5. DISCREPANCIES**

In case of a difference between the stipulated amount of the Proposal written in words and the stipulated amount written in figures, the stipulated amount stated in words shall govern.

### **ARTICLE 6. MODIFICATIONS**

Proposals shall not contain any recapitulations of the work to be done. Alternate proposals will not be considered unless called for. Oral proposals or modifications will not be considered.

### **ARTICLE 7. AWARD OR REJECTION**

It is the intention of the Owner to realize the construction of the proposed improvements at the lowest possible cost within the limits of the estimated available funds and at no sacrifice in the quality and, if possible, in the scope of work. The Contract will be awarded to the responsible Bidder who submits the lowest responsive and best qualified Bid Proposal

complying with these instructions and all other Contract Documents.

The Owner reserves the right to reject any or all Proposals or to waive any informality or technicality in any Proposal in the interest of the Owner. No Bidder may withdraw his Proposal for a period of 60 days after the date of the opening thereof. The awarding of this contract is contingent upon the receipt of Lake County Community Development Block Grant (CDBG) funds.

In addition to the contract, the Bidder must also submit a completed Community Development Block Grant (CDBG) Compliance package.

#### **ARTICLE 8. INTERPRETATION OF DOCUMENTS**

If any person contemplating submitting a Bid is in doubt as to the true meaning of any part of the Drawings, Specifications, or Contract Documents, or finds discrepancies in or omissions from the Drawing or Specifications, he may submit to the Director of Public Works a written request for an interpretation or correction thereof. The person submitting the request will be responsible for its prompt delivery. Any interpretation or correction of the documents will be made only by Addendum duly issued and a copy of the Addendum will be mailed, faxed or delivered to each person receiving a set of Contract Documents. Neither the Owner nor the Engineer will be responsible for any other explanations or interpretations of the Contract Documents.

#### **ARTICLE 9. ADDENDA**

Any Addenda issued during the time of bidding, or forming a part of the Contract Documents, loaned to the Bidder for the preparation of his Proposal, shall be covered in the Proposal and shall be made a part of the Contract. Receipt of each Addendum shall be acknowledged in the Proposal.

#### **ARTICLE 10. BIDDERS INTERESTED IN MORE THAN ONE PROPOSAL**

No person, firm, or corporation shall be allowed to make, file, or have an interest in more than one Bid/Proposal for the same work, unless alternate Bid/Proposals are called for. A person, firm, or corporation who has submitted a sub-proposal to a Bidder or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders.

#### **ARTICLE 11. PROPOSAL GUARANTY**

Each proposal shall be accompanied by a certified check, bank cashier's check or bid bond acceptable to the Owner in an amount equal to at least 5% of the Proposal, payable without condition to the Owner, as a guaranty that the Bidder, if awarded the Contract, will promptly execute the Agreement in accordance with the Proposal and the Contract Documents, and will furnish a good and sufficient bond for the faithful performance of the same, and for the payment to all persons supplying labor and materials for the work. The Proposal Guaranties of all Bidders except the three lowest will be returned promptly after



the canvas of Proposals.

## **ARTICLE 12. PERFORMANCE AND PAYMENT BONDS**

The successful Bidder, simultaneously with the execution of the Contract, will be required to furnish Performance and Payment Bonds in an amount equal to 100% of the Contract Amount. The Bond shall be secured from a surety company satisfactory to the Owner. The form of the Bonds of the successful Bidder is set forth in these Contract Documents.

## **ARTICLE 13. LIQUIDATED DAMAGES**

It is understood and agreed that TIME is of the essence of the Contract, and that failure on the part of the Contractor to complete the Contract Work within the Time agreed upon will result in certain loss and damage to the Owner.

It is therefore covenanted and agreed that if the Contractor fails or neglects to complete his Work on or before the date fixed for completion, then said Contractor shall pay the Owner an amount to be determined to complete the remaining Work at the agreed upon unit prices.

## **BID PROPOSAL**

TO:           City of Zion  
              2828 Sheridan Road  
              Zion, Illinois 60099

FROM:       \_\_\_\_\_

              \_\_\_\_\_

              \_\_\_\_\_

              \_\_\_\_\_

Gentlemen:

1.     This Bid Proposal is submitted for the project entitled "Hebron Street Water Main Improvements", City of Zion, Lake County, Illinois. The successful bidder will be responsible for performing the listed items throughout a calendar year starting at the time of award. The purpose of this proposal is so that the City can call on a concrete contractor for various items as needed.
2.     The Contract Documents and plans for this improvement are those prepared by the City of Zion, Engineering Division and Pearson, Brown & Associates, Inc.
3.     In submitting this Bid/Proposal, the undersigned declares and warrants that the only persons or parties interested in the Proposal as principals are those named herein; and that the Proposal is made without collusion with any other person, firm, or corporation.
4.     The undersigned further declares that they have carefully examined the General Conditions, Special Conditions, Specifications, Drawings, Contractor's Proposal; and that they have inspected in detail the site of the proposed Work and that they have familiarized themselves with all of the local conditions affecting the Contract and the detailed requirements of construction; and understands that in making this Proposal they waive all right to plead any misunderstanding or misrepresentation regarding the same.
5.     The undersigned further understands and agrees that if their Bid/Proposal is accepted they are to furnish and provide all necessary labor, machinery, tools, apparatus, and other means of construction, and to furnish all the materials specified in accordance with the requirements therein set forth.
6.     The undersigned further agrees that if the Owner decides to extend or shorten the improvement, or otherwise alter it by extras or deduction, including the elimination of any one or more items, by an amount not to exceed twenty-five percent (25%) of the total money value of the original awarded contract price, or contract price



corrected as provided in the Contract Documents, they will perform the work as altered, increased or decreased, at the Contract unit prices where applicable or if contract unit prices are not applicable, according to Article 24 of the General Conditions.

7. The undersigned further agrees to begin work not later than fourteen (14) days after the issuance date of notice to proceed, unless otherwise provided and to prosecute the Work in such manner and with sufficient materials, equipment, and labor as will insure its completion within the time limit specified herein, it being understood and agreed that the completion within the time limit is an essential part of the Contract.

The undersigned agrees to complete the Work within the following time schedule from the issuance date of notice to proceed, unless the Owner in accordance with the provisions of the Contract Documents shall grant additional time.

In case of failure to complete the work within the time named herein or within such extra time as may have been allowed by extensions, the undersigned agrees to pay the Owner an amount to be determined needed to complete the project and the agreed upon unit prices.

8. The undersigned hereby acknowledges receipt of the following addenda:

Addendum No. 1\_\_\_\_\_, 2\_\_\_\_\_, 3\_\_\_\_\_, 4\_\_\_\_\_

9. I/We, the undersigned further agree that the bid deposit (certified check or bank cashier's check), in the amount of

(\$\_\_\_\_\_) (which amount is 5 percent of the Bid for the Work for which this bid is submitted) enclosed herewith, payable to the City of Zion and is the measure of liquidated damages which said municipality will sustain and that the proceeds thereof shall become the property of the said municipality at the expiration of sixty (60) days from the opening of bids for any reason the undersigned:

A. Withdraws their Bid/Proposal after the opening of the bids and prior to the time a formal written Agreement evidencing the Contract has been signed and delivered to the Owner and a satisfactory performance bond has been furnished whether or not the undersigned at the time of such withdrawal has been designated as the successful bidder, or

B. Upon written notification of the award of the Contract he fails to properly sign and deliver to the Owner the written Agreement formally evidencing the Contract within ten (10) days after the written Agreement has been mailed to the undersigned for such execution, or

C. Fail to comply with any other requirement that leads to a contract.

The undersigned agrees that withdrawal of this Bid, or Proposal, or failure to sign the Agreement within the time hereinabove set forth shall automatically bar the undersigned from any further consideration and terminate any and all right the undersigned may have acquired in, by, or through this Bid or Proposal.

The undersigned further agrees that the Owner shall have the right to retain the Bid Deposit, for a period of sixty (60) days from the date of opening of bids. The Bid Deposits of all except the lowest three responsible unsuccessful Bidders will be returned promptly after the award of the Contract.

10. The undersigned acknowledges that the Unit Prices submitted herewith is based upon the materials and/or equipment specified by the Engineer.

If the Bidder desires to offer a material or article as a substitute, he shall indicate to the owner in advance of his submittal of the proposal. No substitute shall be used without the written approval of the Municipal Engineer or Director of Public Works.

In order that the Municipal Engineer or Director of Public Works may determine if the substitute item is a satisfactory alternate to that specified, full descriptive material shall be submitted. Substitute items will not be accepted seven (7) days in advance of the bid opening. In the event that the Municipal Engineer or Director of Public Works does not approve the material, or article for use as a substitute, then the material or article as specified shall be furnished.

If the Bidder with this Proposal offers no substitute materials or articles, then the materials or articles as specified shall be used.

The following items are offered as a satisfactory substitute to the item specified. If the items listed below are specified as substitutes for these specified, the amount indicated below will be deducted from the Base Bid.



<u>ITEM</u>	<u>AMOUNT OF DEDUCT</u>

### SCHEDULE OF PRICES

(For complete information covering these items, see plans and specifications.)

Item	Pay Item	Quantity	Unit	Unit Price	Extension
1	DIP CL 52 WATER MAIN, 8"	570	FOOT		
2	DIP CL 52 WATER MAIN, 6"	27	FOOT		
3	FIRE HYDRANT, COMPLETE	3	EACH		
4	VALVE VAULT, 5' DIAMETER	1	EACH		
5	DISCONNECT EX. SERVICE FROM EX. WATER MAIN CORPORATION STOP	14	EACH		
6	1-1/2" WATER SERVICE W/CORP STOP & CURB STOP CONNECTION TO EXISTING SERVICE LOCATION (REUSE EX. BUFFALO BOX) INC. TRENCH BACKFILL	14	EACH		
7	PRESSURE CONNECTION TO EXISTING WATER MAIN, 6" X 6" TAPPING SLEEVE AND VALVE	1	EACH		
8	DUCTILE IRON FITTING – REDUCER 8" X 6"	2	EACH		
9	DUCTILE IRON FITTING - TEE 8" X 8" X 6"	2	EACH		
10	LINE STOP, 6"	1	EACH		
11	ABANDON EX. WATER VALVE	1	EACH		
12	TRENCH BACKFILL	600	FOOT		
13	SAW CUT EXISTING PAVEMENT & CURB	805	FOOT		
14	BITUMINOUS PAVEMENT RESTORATION	420	SY		
15	BRICK PAVER RESTORATION	100	SF		
16	CONCRETE SIDEWALK RESTORATION	280	SF		
17	CONCRETE CURB & GUTTER RESTORATION	50	FOOT		
18	LANDSCAPE RESTORATION	1	LUMP SUM		
19	ABANDON WATER MAIN	1	LUMP SUM		



11. The Contractor understands and agrees that he shall make the work readily accessible for inspection, classification of Work, and determination of quantities for the various pay items by the Engineer. Furthermore, the Engineer or his designated representative shall make such measurements and determinations as necessary to classify the work and determine the quantities for pay purposes and such decisions will be final after three days if the Contractor does not submit a written notice as defined in the following paragraph.

"If the Contractor differs with the Engineer's classification of the work or determination of the various pay items, he must notify the Engineer in writing within three days, otherwise the Owner will not consider any such difference as a claim for payment. Any such written notice received within the three day period shall be just reason for the Engineer to re-evaluate the work involved."

12. The undersigned hereby acknowledges that the Owner:  
City of Zion retain the power, authority, and right to waive technicalities, or reject this or any and all bids, and to re-advertise.
13. Municipal Engineer is hereby designated to mean the full time Engineer or Director of Public Works employed by the City of Zion.
14. In the event a contract is awarded based on this Proposal, such award will be made within sixty (60) days after the date of the bid opening.

DATE: \_\_\_\_\_

TELEPHONE NUMBER: \_\_\_\_\_

FIRM NAME: \_\_\_\_\_

BY: \_\_\_\_\_ TITLE: \_\_\_\_\_

ATTESTED: \_\_\_\_\_ TITLE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

(Seal - if Bid is by a Corporation)

## **AGREEMENT**

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_, 2016 by and between the City of Zion hereinafter called the OWNER, and

\_\_\_\_\_, hereinafter called the CONTRACTOR, WITNESSETH, That the Contractor and the Owner for the considerations hereinafter named agree as follows:

### **ARTICLE 1. SCOPE OF THE WORK**

The Contractor shall furnish all of the material and perform all of the work for the installation of all improvements as shown on the drawings and described in the specifications entitled "Hebron Street Water Main Improvements"

All work shall be performed in strict accordance with Drawings and Specifications prepared by the City of Zion, Engineering Division, as and in these Contract Documents referred to as the Engineer whose Drawings and Specifications are made a part of this Contract, and in strict compliance with the Contractor's Proposal as accepted, including any amendments agreed upon at the time of execution of this Agreement, and with the other Contract Documents herein mentioned which are part of this Contract.

### **ARTICLE 2. TIME OF COMPLETION**

The work, under this Agreement, shall commence upon written notice to the Contractor as defined in the General Conditions. The work shall be completed within **45 calendar days** after the Notice to Proceed has been issued.

### **ARTICLE 3. CONTRACT SUM**

The Owner shall pay the Contractor for the performance of the contract subject to any additions and deductions provided therein in current funds, the sum of \_\_\_\_\_

(\$ \_\_\_\_\_). Payments are to be made to the Contractor in accordance with and subject to the provisions embodied in the other Documents, which are a part of this Contract.

### **ARTICLE 4. ACCEPTANCE AND FINAL PAYMENT**

Final payment shall be due upon final acceptance of the completed work, provided the contract is then fully performed.

### **ARTICLE 5. AUTHORITY AND RESPONSIBILITY OF THE ENGINEER**

All work shall be done under the general administration of the Municipal Engineer/Director of Public Works. The Municipal Engineer/Director of Public Works shall decide any and all questions, which may arise as to the quality and acceptability of materials furnished, work  
*Hebron Street Water Main Improvements*

performed, rate of progress of work, interpretation of Drawings and Specifications, and all questions as to the acceptable fulfillment of the Contract on the part of the Contractor.

**ARTICLE 6. CONTRACT DOCUMENTS**

The Contract Documents are as noted in Article 69 of the General Conditions. In the event that any portion of one Contract Document conflicts with one provision of another Contract Document, the provision of that Contract Document first listed in Article 69 of the General Conditions shall govern, except as otherwise specifically stated.

IN WITNESS WHEREOF, the Parties hereto have caused this Instrument to be executed in two original counterparts the day and year above written.

(SEAL) Contractor: \_\_\_\_\_  
\_\_\_\_\_

Attest: \_\_\_\_\_  
By: \_\_\_\_\_  
Title: \_\_\_\_\_

(SEAL) Owner: \_\_\_\_\_  
\_\_\_\_\_

Attest: \_\_\_\_\_  
By: \_\_\_\_\_  
\_\_\_\_\_

STATE OF ILLINOIS  
COUNTY OF \_\_\_\_\_ SS

### CONTRACTOR'S CERTIFICATION

\_\_\_\_\_, being first duly sworn on oath, deposes and states that all statements herein made are made on behalf of the Contractor, that this deponent is authorized to make them, and that the statements contained herein are true and correct.

Contractor deposes, states, and certifies that Contractor is not barred from contracting with a unit of state or local government as a result of (i) any person holding an interest in this Contract in violation of Sections 1.1 et seq. of the Illinois Purchasing Act, Ill. Rev. Stat. Ch. 127, Section 132.11-1 et seq.; (ii) the commission of an act in violation of Section 10-1 of the Illinois Purchasing Act, Ill. Rev. Stat. Ch. 127, Section 132.10-1; (iii) a default on an educational loan as provided in "An Act in relation to educational loans, amending an Act named therein", Ill. Rev. Stat. Ch. 127, Section 3551 et seq.; (iv) a delinquency in the payment of any tax administered by the Illinois Department of Revenue unless Contractor is contesting, in accordance with the procedures established by the appropriate Revenue Act, its liability for the tax or the amount of tax, as set forth in Ill. Rev. Stat. Ch. 24, Section 11-42.1-1; or (v) a violation of either Section 33E-3 or Section 33E-4 of Article 33E of the Criminal Code of 1961, Ill. Rev. Stat. Ch. 38, Section 33E-1 et seq. or the latest editions

DATED this \_\_\_\_\_ day of \_\_\_\_\_, 2016 .

\_\_\_\_\_  
Contractor

Attest/Witness

By: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
Title: \_\_\_\_\_

Subscribed and Sworn to  
before me this \_\_\_\_\_ day  
of \_\_\_\_\_, 2016 .

My Commission Expires: \_\_\_\_\_

(SEAL)

\_\_\_\_\_  
Notary Public



## PERFORMANCE BOND

THIS INSTRUMENT WITNESSETH: That we (1) \_\_\_\_\_,  
a CONTRACTOR as Principal, and (2) \_\_\_\_\_,  
a Corporation organized and existing under and by virtues of the laws of the State of  
\_\_\_\_\_ and regularly authorized to do business in the State of  
Illinois as Surety, are held and firmly bound unto the City of Zion, Illinois, hereinafter called  
the "Owner" in accordance with a Contract hereinafter referred to, in the penal sum of

(\$ \_\_\_\_\_) lawful money of the United States, will and truly to be paid unto  
the said Owner, for the payment of which we bind ourselves, our heirs, executors,  
administrators, successors and assigns, jointly and severally, firmly by these presents:

WHEREAS, the said Principal has entered into a written Contract with the Owner dated  
\_\_\_\_\_ for the construction of the work entitled "Hebron Street Water  
Main Improvements" in conformity with the Drawings, General Conditions, and  
Specifications hereby referred to and made part of the same to all intents and purposes as  
if written at length herein, in which Contract the said Principal has contracted to perform the  
work specified in said Contract in accordance with the terms thereof:

NOW THEREFORE, the conditions of this obligation is such that if the Principal shall  
faithfully perform the Contract on their (its) part, and satisfy all covenants, terms,  
conditions, and agreements incurred by the Principal in the performance of said Contract,  
during the original term thereof, and any extensions thereof which may be granted by the  
owner, with or without notice to the Surety, and shall satisfy all claims and demands arising  
there under, and shall fully indemnify and save harmless the Owner from all cost and  
damage which the Owner might suffer by reason of the failure of the Principal to do so, and  
which the Owner may incur in making good any default by the Principal, including any  
default based upon failure of the Principal, to fulfill his obligation to furnish maintenance,  
repairs, or replacements for any period of time after the work is completed, if provided for in  
said Contract, then this obligation shall be null and void, otherwise it shall remain in full  
force and effect.

In addition, the Principal and Surety, jointly and severally expressly guarantee that all  
materials furnished and workmanship performed, under the Contract and in the  
construction of the work shall fulfill all requirements of the Contract and the Contract  
Documents with respect to them for a period of one year from the date of final acceptance.

It is hereby stipulated and agreed that any suit based upon any default of the Principal in  
fulfilling his obligation to furnish maintenance, repairs, or replacements, for any period of  
time after the work is completed, if provided for in the Contract, may be brought at any time  
up to six months after the expiration of the time specified in the Contract during which the  
Contractor has agreed to furnish such maintenance or make such repairs or replacements.

The said Surety, for value received, hereby stipulates and agrees that no change,  
extension of time, alteration or addition to the terms of the Contract or to the work to be

performed there under or the Specifications accompanying the same shall in any way affect its obligations on this Bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work or to the Specifications.

PROVIDED, FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in several counterparts, each one of which shall be deemed an original, this the \_\_\_\_\_ day of \_\_\_\_\_, 2016 .

## PAYMENT BOND

THIS INSTRUMENT WITNESSETH: That we (1) \_\_\_\_\_  
Contractor as Principal, and (2) \_\_\_\_\_  
\_\_\_\_\_, a Corporation organized and existing under and by virtues of the  
laws of the State of Illinois and regularly authorized to do business in the State of  
\_\_\_\_\_ as Surety, are held and firmly bound unto the City of Zion, Illinois,  
hereinafter called the "Owner" in accordance with a contract hereinafter referred to, in the  
penal sum of \_\_\_\_\_

\_\_\_\_\_ (\$ \_\_\_\_\_) lawful  
money of the United States, well and truly to be paid unto the said Owner, for the payment  
of which we bind ourselves, our heirs, executors, administrators, successors, and assigns,  
jointly and severally, firmly by these presents:

WHEREAS, the said Principal has entered into a written Contract with the Owner dated  
\_\_\_\_\_ for the construction of the work entitled "Hebron Street Water  
Main Improvements" in conformity with the Drawings, General Conditions, and  
Specifications hereby referred to and made a part hereof the same to all intents and  
purposes as if written at length herein, in which Contract the said Principal has contracted  
to perform the work specified in said Contract in accordance with the terms thereof;

NOW THEREFORE, the condition of this obligation is such that if the Principal shall  
faithfully satisfy all claims and demands incurred by the Principal of said Contract, and shall  
pay all obligations arising there under, and shall fully indemnify and save harmless the  
Owner from all cost and damage which the Owner might suffer by reason of the failure of  
the Principal to do so and shall fully reimburse and repay to the Owner all costs, damages,  
and expenses which the Owner may incur in making good any default by the Principal, and  
shall promptly make payment to all persons supplying labor, equipment or materials for use  
in the prosecution of the work as provided for in such Contract, then this obligation shall be  
null and void, otherwise it shall remain in full force and effect.

The Owner may sue on this Bond, and any person furnishing material or performing labor,  
either as an Individual or as a Subcontractor, shall have the right to sue on this Bond in the  
name of the Owner for his use and benefit.

The said Surety, for value received, hereby stipulates and agrees that no charge, extension  
of time, alteration or addition to the terms of the Contract or to the work to be performed  
there under of the Specifications accompanying the same shall in any way affect its  
obligations on this Bond, and it does hereby waive notice of any such change, extension of  
time, alteration or addition to the terms of the Contract or to the work or to the  
Specifications. PROVIDED FURTHER, that no final settlement between the Owner and the  
Contractor shall abridge the right of any beneficiary hereunder, whose claim may be  
unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in several counterparts, each one of which shall be deemed an original this \_\_\_\_\_ day of \_\_\_\_\_, 2016 .

(SEAL) (1) \_\_\_\_\_  
(Principal)

Attest: By: \_\_\_\_\_  
\_\_\_\_\_  
Title: \_\_\_\_\_

(SEAL) (2) \_\_\_\_\_  
(Surety)

Attest: By: \_\_\_\_\_  
\_\_\_\_\_  
(Attorney in Fact)

(1) Name of Contractor

(2) Surety



**PROOF OF INSURABILITY**  
(To be prepared by bidders Insurance Agent)  
(To be submitted with proposal)

PROPOSAL SUBMITTED BY:

CONTRACTOR \_\_\_\_\_

ADDRESS \_\_\_\_\_  
\_\_\_\_\_

PHONE \_\_\_\_\_

I, being duly sworn, do hereby acknowledge that I have read and understood the insurance specifications herein and agree and affirm that the above listed bidder is eligible for and can obtain and supply the appropriate insurance per the specifications contained in the contract documents for this project.

*Subscribed and sworn to*

*Before me this* \_\_\_\_\_

*Of* \_\_\_\_\_, 2016

*Signed* \_\_\_\_\_  
(Insurance Agent)

*Date* \_\_\_\_\_

\_\_\_\_\_  
*Notary Public*

*Insurance Co.* \_\_\_\_\_

*Address* \_\_\_\_\_

\_\_\_\_\_

*Phone* \_\_\_\_\_

**CITY OF ZION**  
**TAX COMPLIANCE AFFIDAVIT**

\_\_\_\_\_, being first  
duly sworn, deposes and says: that they are \_\_\_\_\_  
(partner, officer, owner, etc.)  
of \_\_\_\_\_  
(contractor)

Check the Statement that applies:

- ☐ 1. The individual or entity making the foregoing proposal or bid certifies that he or she is not barred from contracting with the City of Zion because of any delinquency in the payment of any tax administered by the Department of Revenue unless the individual or entity is contesting, in accordance with the procedures established by the appropriate revenue act, liability for the tax or the amount of the tax. The individual or entity making the proposal or bid understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition, voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action.
- ☐ 2. The individual or entity making the foregoing proposal or bid certifies that such individual or entity has entered into an agreement with the Department of Revenue for the payment of all such taxes that are due and is in compliance with the agreement.

The individual or entity making the proposal or bid understands that making a false statement regarding delinquency in taxes is a Class A Misdemeanor and, in addition, voids the contract and allows the municipality to recover all amounts paid to the individual or entity under the contract in civil action.

\_\_\_\_\_  
(Name of Bidder if the Bidder is an Individual)  
(Name of Partner if the Bidder is a Partnership)  
(Name of Officer if the Bidder is a Corporation)

Title: \_\_\_\_\_

The above statements must be subscribed and sworn to before a notary public.

Subscribed and Sworn to the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

\_\_\_\_\_  
Notary Public

## **GENERAL CONDITIONS OF THE CONTRACT**

### **ARTICLE 1. DEFINITIONS**

1. Addenda - Written or graphic instruments issued prior to the opening of Bids which clarify, correct or change the bidding documents or the Contract Documents.
2. Agreement - The written agreement between the Owner and the Contractor covering the Work to be performed; other Contract Documents are attached to the Agreement and made a part thereof as herein provided.
3. Application for Payment - The form accepted by the Engineer which is to be used by the Contractor in requesting progress or final payment and which is to include such supporting documentation as is required by the Contract Documents.
4. Bid - The offer or proposal of the Bidder submitted on the prescribed form setting forth the prices for the Work to be performed.
5. Bidder - Any person, firm, or corporation submitting a bid for the Work.
6. Bonds - Performance, payment bonds, and other instruments of security.
7. Contract Documents - The Agreement, Addenda (which pertain to the Contract Documents), Contractor's Bid (including documentation submitted prior to the Notice of Award) when attached as an exhibit to the Agreement, the Bonds, these General Conditions, the Special Conditions, drawings, as the same are not more specifically identified in the Agreement, together with all Modifications issued after the execution of the Agreement.
8. Contract Price - The moneys payable by the Owner to the Contractor under the Contract Documents as stated in the Agreement.
9. Contract Time - The number of days or the date stated in the Agreement for the completion of the Work.
10. Contractor - The person, firm, or corporation with whom the Owner has entered into the Agreement.
11. Day - A calendar day of twenty-four hours measured from midnight to the next midnight.
12. Drawings - The drawings which show the character and scope of the Work to be performed and which have been prepared or approved by the Engineer and are referred to in the Contract Documents.

13. Designated Representative – That individual or organization designated by the Engineer whom exercises supervision and control of the designated project in the absence of the Engineer. The Designated Representative shall be in writing to the owner.
14. Engineer, Municipal Engineer/Director of Public Works - The person, firm, or corporation named as such in the Agreement.
15. Field Order - A written order issued by the Engineer, which orders minor changes in the Work but does not involve a change in the Contract Price or Contract Time.
16. Notice of Award - The written notice by the Owner to the apparent successful Bidder stating that upon compliance by the apparent successful Bidder with the conditions precedent enumerated therein, within the time specified, the Owner will sign and deliver the Agreement.
17. Notice to Proceed - A written notice given by the Owner to the Contractor, with a copy to the Engineer, fixing the date on which the Contract Time will commence to run and on which the Contractor shall start to perform his obligations under the Contract Documents.
18. Owner - The public body or authority, corporation, association, partnership or individual with whom the Contractor has entered into the Agreement and for whom the Work is to be provided.
19. Subcontractor - An individual, firm, or corporation having a direct contract with the Contractor or with any other sub-Contractor for the performance of a part of the Work at the site.
20. Work - The entire completed construction or the various separately identifiable parts thereof required to be furnished under the Contract Documents. Work is the result of performing services, furnishing labor and furnishing and incorporating materials and equipment into the construction all as required by the Contract Documents.

## **ARTICLE 2. EXECUTION, CORRELATION, AND INTENT OF DOCUMENTS**

The Owner and the Contractor shall sign the Contract Documents in triplicate. In case of a failure to sign the General Conditions, Drawings, or Specifications, the Engineer shall identify them.

The Plans and Specifications are intended to call the Contractor's attention to all items requisite and necessary to complete the work but are not intended to be infinitely detailed so as to include minor items obviously required. Accordingly, all work is to be done under all headings and all equipment is to be furnished and installed so as to complete the construction in a propitious and workmanlike manner whether all items are specifically covered or not. When the Specifications and Drawings conflict, the Specifications shall



govern.

References to standard specifications, manuals, or codes of any technical society, organization or association, or to the code of any governmental authority, whether such reference be specific or by implication, shall mean the latest standard specification, manual, or code in effect at the time of opening the bids (or, on the effective date of the Agreement if there were no bids), except as may be otherwise specifically stated. However, no provision of any referenced standard specification, manual or code (whether or not specifically incorporated by reference in the Contract Documents) shall change the duties and responsibilities of the Owner, Contractor, or Engineer, or any of their agents or employees from those set forth in the Contract Documents. The Engineer shall issue clarifications and interpretations of the Contract Documents.

### **ARTICLE 3. CLARIFICATIONS AND INTERPRETATIONS**

The Municipal Engineer/Director of Public Works shall furnish, with reasonable promptness, additional instruction, by means of drawings or otherwise, necessary for the proper execution of the Work. All such drawings and instructions shall be consistent with the Contract Documents, true developments thereof, or reasonably inferable there from. The Work shall be executed in conformity therewith and the Contractor shall do no Work without proper drawings and instruction. In giving such additional instructions, the Engineer shall have authority to make minor changes in the Work, not involving extra cost, and not inconsistent with the purposes of the building.

Figured dimensions on the Drawings shall be taken as correct but shall be checked by the Contractor before starting construction. Any errors, omissions, or discrepancies, shall be brought to the attention of the Engineer and his decision thereon shall be final.

### **ARTICLE 4. SHOP DRAWINGS**

Shop Drawings are drawings, diagrams, illustrations, schedules, performance charts, brochures, and other data, which are prepared by the Contractor or any subcontractor, manufacturer, supplier, or distributor and which illustrate some portion of the Work. Samples are physical examples furnished by the Contractor to illustrate materials, equipment, or workmanship and to establish standards by which the work will be judged.

When shop drawings are required, the Contractor shall submit six prints of each drawing specially produced for this project for use by the Engineer and Owner. Additional copies of shop drawings are as required by the Contractor. Three copies of manufacturer's descriptive data including catalog sheets for materials, equipment, and fixtures shall be submitted.

When samples are required, a minimum of two samples each shall be submitted unless otherwise noted. Samples submitted will not be returned without a special written request from the Contractor and consent of the Owner and/or the Engineer.

Shop Drawings shall indicate the type, size, quantity, arrangement, location, mode of operation, component materials and/or material certification, utility connections, wiring and control diagrams, anchorages, supports, performance and test data, dimensions, and other information necessary to assure satisfactory fabrication, installation, and operation of the completed project. As used herein, the term "manufacturing" means items specifically assembled or made out of selected materials to meet individual design requirements. Shop Drawings shall establish the actual detail of all joining work; amplify design details of mechanical and electrical equipment in proper relation to physical spaces in the structure; and incorporate minor changes of design or construction to suit actual conditions.

The Engineer will review shop drawings, however, approval of such drawings shall not be construed as a complete check. It shall not relieve the Contractor from responsibility for any departures or deviations from the requirement of the Contract Documents unless he has, in writing, called the Engineer's attention to such deviations at the time of submission. It shall not relieve him from responsibility for proper completion of the work, nor from the necessity of furnishing any work required by the Contract Documents, which may not be indicated on shop drawings when approved. The Contractor shall be solely responsible for any quantities, which may be shown on the shop drawings.

The Municipal Engineer/Director of Public Works will pass upon the shop drawings with reasonable promptness and will return one print to the Contractor with the Engineer's signature applied thereto, indicating appropriate action.

Distribution copies of the Engineer approved shop drawings will be mutually determined by the Contractor, Owner, and Engineer on an individual item basis during or following the pre-construction conference.

The Contractor is further advised that in the event a third submittal of shop drawings is required, due to previous submittals or incomplete or incorrect shop drawings, the Contractor shall be charged one-half of the cost incurred by the Engineer for the review of the third submittal. The total cost incurred by the Engineer for all subsequent review will be borne by the Contractor.

All shop drawings shall be thoroughly checked by the Contractor for completeness and for compliance with the Contract Documents before submitting them to the Engineer, Municipal Engineer/Director of Public Works for approval and shall bear the Contractor's stamp of approval certifying that they have so been checked. Any shop drawings submitted without this stamp of approval and certification, and shop drawings, in the Engineer's opinion are incomplete, contain numerous errors, have not been checked or only checked superficially, will be returned unchecked by the Engineer for resubmission by the Contractor.

The Contractor shall check all shop drawings and shall verify all dimensions and field conditions and shall check and coordinate the shop drawings of any section or trade with the requirements of all other sections or trades whose work is related thereto, as required for proper and complete installation of the Work.

The Engineer's review and approval shall be only for conformance with the design concept of the project and for compliance with the information given in the Contract Documents and shall not extend to means, methods, sequences, techniques, or procedures of construction or to safety precautions or programs incident thereto. The review and approval of a separate item as such will not indicate approval of the assembly in which the item functions. The Contractor shall make any corrections required by the Engineer and shall return the required number of corrected copies of shop drawings and resubmit new samples for review and approval. The Contractor shall direct specific attention in writing to revisions other than the corrections called for by the Engineer on previous submittals. The Contractor's stamp of approval on any shop drawing or sample shall constitute a representation to the Owner and the Engineer that the Contractor has either determined and verified all quantities, dimensions, field construction criteria, materials, catalog numbers, and similar data or assumes full responsibility for doing so, and that the Contractor has reviewed or coordinated each shop drawing or sample with the requirements of the Work and the Contract Documents.

#### **ARTICLE 5. VERIFYING MEASUREMENTS AND LAYING OUT THE WORK**

The exactness of grades, elevations, dimensions, or locations given on any drawing issued by the Engineer, or the work installed by other Contractors, is not guaranteed by the Engineer or the Owner.

The Contractor shall, therefore, satisfy themselves as to the accuracy of all grades, elevations, dimensions, and locations. On all cases of interconnections of his work with existing or other work, he shall verify at the site all dimensions relating to such existing or other work. Any errors due to the Contractor's failure to so verify all such grades, elevations, locations, or dimensions shall be promptly rectified by him without extra cost to the Owner.

The Contractor shall lay out the work in accordance with the Drawings and shall establish and maintain locations, lines, and levels required for work and shall be responsible for its correctness. They shall report any discrepancies between the drawings and actual measurements to the Engineer, Municipal Engineer/Director of Public Works for proper interpretation prior to proceeding with the Work.

#### **ARTICLE 6. OWNERSHIP OF DRAWINGS AND MODELS**

All drawings, specifications, and copies thereof furnished by the Engineer, Municipal Engineer/Director of Public Works are the property of the Owner, who reserves all rights thereto. They are not for publication, nor to be used on other Work without the written consent of both parties.

#### **ARTICLE 7. THE ENGINEER'S STATUS**

The Engineer, Municipal Engineer/Director of Public Works shall have general supervision and direction of the Work. He is the Agent of the Owner only to the extent provided in the Contract Documents. He has authority to stop the Work whenever such stoppage may be necessary to insure proper execution of the Contract.

#### **ARTICLE 8. THE ENGINEER'S DECISIONS**

The Engineer shall, within a reasonable time, make decisions on all claims of the Owner or Contractor and on all other matters relating to the execution and progress of the work or the interpretation of the Contract Documents.

#### **ARTICLE 9. FOREMAN, SUPERVISION**

The Contractor shall keep on his work, during its progress, a competent foreman and any necessary assistants, all satisfactory to the Municipal Engineer/Director of Public Works. The foreman shall not be changed except with the consent of the Municipal Engineer/Director of Public Works or his designated representative, unless the foreman proves to be unsatisfactory to the Contractor and ceases to be in his employ. The foreman shall represent the Contractor in his absence and all direction given to him shall be as binding as if given to the Contractor. On written request such directions shall be confirmed in writing to the Contractor.

The Contractor shall supervise and direct the Work competently and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. The Contractor shall be solely responsible for the negligence of others in the design or selection of a specific means, method, technique, sequence or procedure, or construction, which is indicated in and required by the Contract Documents. The Contractor shall be responsible to see that the finished work complies accurately with the Contract Documents.

#### **ARTICLE 10. MATERIALS, LABOR, AND EQUIPMENT**

The Contractor shall provide competent, suitably qualified personnel to survey and lay out the Work and perform the Construction as required by the Contract Documents.

Unless otherwise stipulated, the Contractor shall provide and pay for all materials, labor, water, tools, equipment, light, and power necessary for the execution of the Work. Unless otherwise specified, all material shall be new and both workmanship and material shall be of good quality.

If not otherwise provided, materials or work called for in this Contract shall be furnished and performed in accordance with well known established practice, and standards recognized by Architects, Engineers, and the trade.

The Contractor shall not employ on the Work any unfit person or anyone not skilled in the Work assigned to him.



The Contractor shall submit to the Municipal Engineer/Director of Public Works for approval the name of the manufacturer of each item purchased, together with a complete description of the item and catalog cuts. No final purchase of major equipment items shall be made until the written approval of the Municipal Engineer/Director of Public Works is obtained, and no deviation from the selected manufacturers, as stated in the Contract, will be accepted.

Attention of the Contractor is directed to the material test required on this Contract. A testing laboratory employed by the Contractor and approved by the Municipal Engineer/Director of Public Works shall make all laboratory tests. The cost for testing shall be paid by the Contractor. Unless otherwise provided in the Special Conditions of the Contract, and/or in the Contract Specifications, the Contractor shall furnish the materials to be tested and incidental materials and labor required at the site in connection with the tests, the cost of which shall be considered as included in the prices set forth in the Contract for Contract items.

When required by the Specifications, or when called for by the Engineer, the Contractor shall furnish the Engineer, for approval, full information concerning the materials or articles, which he contemplates incorporating in the Work. Samples of materials shall be submitted for approval when so directed. Machinery, equipment, materials, and articles installed or used without such approval shall be at the risk of subsequent rejection. The Contractor and the Surety shall guarantee all materials and workmanship for a period of one year from the date of final acceptance, and this guarantee must be covered in the Surety Bond for the Contract.

## **ARTICLE 11. INSPECTION OF WORK**

The Owner, Engineer, Municipal Engineer/Director of Public Works and their representatives shall at all times have access to the Work wherever it is in preparation or progress and the Contractor shall provide proper facilities for such access and for inspection. At any time during the course of construction of this project when, in the opinion of the Engineer, Municipal Engineer/Director of Public Works provisions of the Drawings, Specifications, or Contract Conditions are being violated by the Contractor or his employees, the Engineer, Municipal Engineer/Director of Public Works shall have the right and authority to order all construction to cease or materials to be removed, until arrangements satisfactory to the Engineer are made by the Contractor for resumption of the Work in compliance with the provisions of the Contract. It shall not be construed as a waiver of defects if the Engineer, Municipal Engineer/Director of Public Works shall not order the Work stopped or more material removed, as the case may be.

If the Specifications, the Engineer's instructions, laws, ordinances, or any public authority requires any Work to be specially tested or approved, the Contractor shall give the Municipal Engineer/Director of Public Works timely notice of its readiness for inspection and, if the inspection is by authority other than the Engineer, Municipal Engineer/Director of Public Works of the date fixed for any such inspection. Inspections by the Engineer,

Municipal Engineer/Director of Public Works shall be promptly made. If any such Work should be covered up with fill, concrete, metal, or any other material without approval or consent of the Engineer, Municipal Engineer/Director of Public Works it must, if required be uncovered for examination at the Contractor's expense.

Should it be considered necessary or advisable by the Owner at any time before final acceptance of the entire work, or at any item, to make an examination of Work already completed by removing or tearing out same, the Contractor shall, on request, promptly furnish all necessary facilities, labor, and materials. If such work is found to be defective in any material respect due to fault of the Contractor or his subcontractors, he shall defray all the expense of such examination and/or satisfactory reconstruction. If however, the work is found to be acceptable, the actual cost of labor and materials necessary involved in the examination and replacement, plus 15% will be allowed to the Contractor.

## **ARTICLE 12. INSURANCE AND HOLD HARMLESS AGREEMENT**

### **1. Hold Harmless**

To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the Owner and Engineer and their agents and employees from and against all claims, damages, losses, and expenses including but not limited to attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claim, damage, loss, or expense, (a) is attributable to bodily injury, sickness, disease, or death, or to injury to or destruction of tangible property including the loss of use resulting there from and (b) is caused in whole or in part by any negligent act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable regardless of whether or not it is caused in part by a party indemnified hereunder.

### **2. Contractor's Insurance**

The Contractor shall not commence any work under the Contract until he has obtained all insurance required under this paragraph. Certificate of Insurance, fully executed by authorized agents of the Insurance Company, shall be filed with the Engineer and Owner for approval. The Contractor shall not allow any subcontractor to commence work on his sub-contract until all similar insurance required for the subcontractor has been so obtained and approved. The Contractor, on request of the Owner or Engineer, shall submit the original policies for inspection and approval before the work is commenced. Said policies and coverage shall not thereafter be cancelled, permitted to expire, or be changed without giving ten (10) days written notice in advance to the Owner and receiving consent from the Owner. The certificates required shall contain specific reference to Hold Harmless Contractual Liability and 10-day notice provision for change.

**(a) Compensation Insurance** Before any Work is commenced, the Contractor shall take out, and maintain during the life of this Contract, Workman's Compensation and Employer's Liability Insurance for all his employees. In case any Work is sublet, the Contractor shall require the subcontractor to provide similar Workman's Compensation and Employer's Liability for all employees unless

covered by protection afforded by the Contractor. Such Employer's Liability Insurance shall be for not less than \$1,000,000.00.

(b) Contractor's Liability Insurance The Contractor shall take out and maintain during the life of this Contract, comprehensive bodily injury liability and property damage insurance as shall protect himself, the Owner, Engineer, and any subcontractor during the performance of Work covered by this Contract, from claims of damage for personal injury, including accidental death, as well as for claims for property damages, which may arise from operations under this contract, whether such operations be by himself or by a Subcontractor, or by anyone directly or indirectly employed by either of them, or in such a manner as to impose liability on the Owner, and the amounts of such insurance shall be as required by law. In absence of specific regulations, the amount of coverage shall be as follows:

Comprehensive Bodily Injury Liability Insurance in an amount not less than \$1,000,000.00 for injuries, including accidental death, to any one person; and, subject to the same limit for each person, an amount not less than \$2,000,000.00 on account of one accident.

The Comprehensive Liability Insurance will include Contractual Liability Insurance applicable to the Contractor's obligations under the terms of the Hold Harmless Agreement described above. The Owner and the Engineer shall be named as additional insured on the Contractor's Comprehensive General Liability Policy or the Contractor Protective Liability Insurance, for the same hazards as described above. This Insurance shall be in the form of a separate policy written in the name of the Owner.

(c) Insurance Covering Special Hazards Special Hazards including increments of X.C.U. as well as other special hazards as determined by the Owner, shall be covered by rider or riders in the Comprehensive Bodily Injury and/or Property Damage policy or policies herein elsewhere required to be furnished by the Contractor or be separate policies of insurance in the amounts as defined herein.

(d) Automobile Insurance The Contractor shall take out and maintain during the life of this Contract, Automobile Bodily Injury Liability Insurance in an amount not less than \$1,000,000.00. Such Insurance shall cover all vehicles owned, hired, or used by the Contractor during performance of this Contract.

(e) Property Insurance Unless otherwise provided, the Contractor shall purchase and maintain property insurance upon the Work at the site to the full insurable value thereof. This insurance shall include the interests of the Owner, Contractor, and Subcontractors in the Work, shall insure against the perils of fire and extended coverage shall include "all risk" insurance for physical loss and damage including theft, vandalism and malicious mischief, collapse, and water damage, and shall include damages, losses, and expenses arising out of or resulting from any insured loss or incurred in the repair or replacement of any insured property (including fees

and charges of engineers, architects, attorneys, and other professionals). If not covered under the "all risk" insurance, the Contractor shall purchase and maintain similar property insurance on portions of the Work stored on and off the site or in transit when such portions of the work are to be included in an Application for Payment. The policies of insurance required to be purchased and maintained by the Contractor shall contain a provision that the coverage afforded will not be cancelled or materially changed until at least thirty days prior written notice has been given to the Owner. In absence of specific regulations, the Property Damage Insurance shall be for an amount no less than \$400,000.00.

(f) Safety Responsibility Wherever herein, specifications refer to safety procedures, practices, measures, equipment, appliances, installations, or devices, these are solely for the guidance of the Contractor and in order to define the Contractor's obligations to the Owner. The Engineer shall not have responsibility for inspecting, supervising, or enforcing the same.

(g) Completed Operations and Product Liability The Contractor shall supply a certificate of insurance providing Completed Operations and Products Liability coverage, with limits of liability not less than \$300,000.00 per occurrence, \$500,000.00 aggregate.

### 3. Additional Insurance

The insurance coverage and limits required by Paragraph 2 above shall not be deemed to be minimum coverage and limits and shall not be construed in any way as a limitation on the Contractor's duty to procure, maintain, and keep in force, at all times while this Contract is in effect, all insurance necessary to protect and save harmless the Owner, the Work, and all property on which, or in the vicinity of which, the Work is being done. Notwithstanding any other provision of this Contract, the Contractor's liability for losses and damages under or in connection with this Contract or the Work shall not be limited by the type or amount of insurance carried by the Contractor or the Owner.

## **ARTICLE 13. CORRECTION OF WORK BEFORE FINAL PAYMENT**

The Contractor shall promptly remove from the premises all materials condemned by the Engineer, Municipal Engineer/ Director of Public Works as failing to conform to the Contract, whether incorporated in the Work or not, and the Contractor shall promptly replace and re-execute his own Work in accordance with the Contract and without expense to the Owner, and shall bear the expense of making good all work by other Contractors which is destroyed or damaged by such removal or replacement.

If the Contractor does not remove such condemned Work and the materials within a reasonable time, fixed by written notice, the Owner may remove them and may store the material at the expense of the Contractor. If the Contractor does not pay the expense of such removal within ten (10) days thereafter, the Owner may, upon ten (10) days written notice, sell such materials at auction or at private sale, and shall account for the net

proceeds thereof, after deducting all the costs and expenses that should have been borne by the Contractor.

#### **ARTICLE 14. DEDUCTION FOR UNCORRECTED WORK**

If the Engineer and Owner deem it inexpedient to correct Work injured, or done not in accordance with the Contract, the difference in value, together with a fair allowance for damage, shall be deducted.

#### **ARTICLE 15. CORRECTION OF WORK AFTER FINAL PAYMENT**

Neither the final certificate for payment nor any provision in the Contract Document shall relieve the Contractor of responsibility for negligence of faulty materials or workmanship within the extent and period provided by law, and upon written notice, he shall remedy any defect due thereto and pay for any damage to other Work resulting there from.

#### **ARTICLE 16. PROTECTION OF WORK AND PROPERTY**

Precaution shall be exercised at all times for the protection of persons (including employees) and property. The safety provisions of applicable laws, building and construction codes shall be observed. Machinery, equipment, and all hazards shall be guarded (or hazards eliminated) in accordance with the safety provisions of the Manual of Accident Prevention in Construction published by the Association General Contractors of America, to the extent that such provisions are not in contravention of applicable law.

The Contractor shall put up and maintain such barriers and supply such watchmen as will effectively prevent accidents and, in addition, during night hours he shall put up and maintain sufficient lights and flares to ward and safeguard the public against accidents. In executing the Work on this Project, the Contractor shall not unnecessarily impede or interfere with traffic on public highways or streets, and the Owner is to be the sole judge as to what constitutes unnecessary interference with traffic, or as to what constitutes a hazard to traffic. The Contractor shall confer with the Owner's representative and keep local Police and Fire Departments fully informed as to streets or alleys which are to be closed to traffic for construction purposes.

The Contractor shall continuously maintain adequate protection of all his Work from damage, and shall protect the Owner's and adjacent property from injury arising in connection with his Contract.

The Contractor shall be responsible for any and all damage to property, public or private, that may be caused by their operations in the performance of this Contract, and the Contractor shall defend any suit that may be brought against them, and/or the Owner, on account of damage inflicted by their operations, and shall pay any judgment awarded to cover such damage.

#### **ARTICLE 17. EMERGENCIES**

In an emergency affecting the safety of life or of the structure or of adjoining property, the Contractor is hereby permitted to act at his discretion to prevent such threatened loss or injury, and shall so act without appeal, unless otherwise instructed or directed.

#### **ARTICLE 18. PERFORMANCE AND PAYMENT BOND**

The Owner will require the Contractor to furnish a bond in the full amount of the Contract covering faithful performance of the Contract, and the Payment of all obligations arising there under, in such form as the Owner may prescribe and with such sureties as he may approve. The Contractor shall pay the premium.

#### **ARTICLE 19. CASH ALLOWANCE**

The Contractor shall include in the Contract Sum, all allowances as named in the Contract Documents, and shall cause the Work so covered to be done by such Contractor and for such sums as the Engineer may direct, the Contract Sum being adjusted in conformity therewith. The Contractor declares that the Contract Sum includes such sums as he deems necessary. No demand for expense or profit other than those included in the Contract Sum shall be allowed. The Contractor shall not be required to employ for any such Work a subcontractor against whom he has a reasonable objection.

#### **ARTICLE 20. GUARANTEES**

All work to be performed under this Contract shall be constructed in compliance with the Drawings, the Specifications, and standard construction codes, and must be guaranteed by the Contractor and the Surety for a period of one (1) year from date of final acceptance against defective workmanship and material of any nature. On all items of equipment to be incorporated in the completed project, the Contractor and his Surety must guarantee that the type, quality, design, and performance will fully meet the requirements of the Specifications.

#### **ARTICLE 21. PAYMENTS AND WAIVERS OF LIEN**

Payments under this Contract shall be made only upon certificates signed by the Director of Public Works. The Owner may retain a portion of the amount otherwise due the Contractor.

Except as provided in Section (d) below, the amount retained by the Owner shall be limited to the following:

- (a) Withholding of not more than 10 percent of the payment claimed until the work is 100 percent complete.
- (b) When work is 100 percent complete, reduction of the withholding to 5 percent of the dollar value of all work satisfactorily completed to date;



Provided that the Contractor is making satisfactory progress or there is there is other specific cause for such withholding.

- (c) When the work is 100 percent complete and approved by the owner or representative the withholding amount shall be further reduced to 5 percent until one year from the date of final acceptance at which time all monies due to contractor shall be approved for payment unless contractor had failed to perform in accordance with the plans and Specifications and/or written or verbal instructions from Engineer/Owner regarding faulty material and /or workmanship.
- (d) The Owner may reinstate up to 10 percent withholding if the grantee determines, at its discretion, that the Contractor is not making satisfactory progress or there is other specific cause for such withholding.

The Contractor shall present, before payment is made on any certificate, waivers of lien and affidavits covering all contracts and subcontracts for all labor and materials to date.

## **ARTICLE 22. WARRANTY OF TITLE**

The Contractor warrants and guarantees that title to all Work, materials, and equipment covered by any Application for Payment whether incorporated in the Project or not, will pass to the Owner at the time of payment free and clear of all liens, claims, security interests, and encumbrances and shall file a Waiver of Lien at the time of making an Application for Payment.

## **ARTICLE 23. FINAL APPLICATION FOR PAYMENT**

After the Contractor has completed all such corrections to the satisfaction of the Engineer, Municipal Engineer/Director of Public Works and delivered all maintenance and operating instruction, schedules, guarantees, Bonds, certificates of inspection, marked-up record documents, and other documents - all as required by the Contract Documents, and after the Engineer, Municipal Engineer/Director of Public Works has indicated that the Work is acceptable, the Contractor may make application for final payment following the procedure for progress payments. The final Application for Payment shall be accompanied by all documentation called for in the Contract Documents and such other data and schedules as the Engineer, Municipal Engineer/Director of Public Works may reasonably require, together with complete and legally effective releases or waivers, satisfactory to the Owner, of all Liens arising out of or filed in connection with the Work. In lieu thereof and as approved by the Owner, the Contractor may furnish receipts or releases in full; an affidavit of the Contractor that the releases in full; an affidavit of the Contractor that the releases and receipts include all labor, services, material, and equipment for which a Lien could be filed, and that all payrolls, material, and equipment bills, and other indebtedness connected with the Work for which the Owner or his property might in any way be responsible, have been paid or otherwise satisfied; and consent of the Surety, if any, to final payment. If any subcontractor, manufacturer, fabricator, supplier, or distributor fails to furnish a release or

receipt in full, the Contractor may furnish a Bond or other collateral satisfactory to the Owner to indemnify the Owner against any lien.

#### **ARTICLE 24. CHANGES IN WORK**

The Owner, without invalidating the Contract, may make changes by altering, adding to, or deducting from the Work, the Contract Sum being adjusted accordingly. All such work shall be executed under the conditions of the original contract, except that any claim for the extension of time caused thereby shall be adjusted at the time of ordering such change.

The value of any such change shall be determined in one or more of the following ways:

- (a) By estimate and acceptance in a lump sum
- (b) By unit prices subsequently agreed upon

In cases where a lump sum proposal is submitted by the Contractor in excess of Five Hundred Dollars (\$500.00) and the Owner considers the proposal so submitted is excessive or unreasonable for the changes or added Work contemplated, the Owner reserves the right to make an award of such work to another Contractor, unless the Contractor on this contract agrees to do the added work or changed work for the price named by the other Contractor.

Inspectors are not authorized to act for the Owner in giving orders for the Owner for extra or additional Work, either in writing or verbally.

#### **ARTICLE 25. FINAL INSPECTION**

Upon written notice from the Contractor that the work is complete, the Municipal Engineer/Director of Public Works or his designated representative will make a final inspection and will notify the Contractor in writing of all the particulars in which this inspection reveals that the Work is incomplete or defective. The Contractor shall immediately take such measures as are necessary to remedy such deficiencies.

#### **ARTICLE 26. CLAIM FOR EXTRAS**

If the Contractor claims that any instructions, by drawings or otherwise, involve extra cost under this contract, he shall give the Engineer written notice thereof before proceeding to execute the Work, and, in any event, within two weeks of receiving such instructions. No such claims shall be valid unless so made.

#### **ARTICLE 27. PAYMENTS WITHHELD**

The Owner may withhold from payment to the Contractor, in addition to the retained percentage, such an amount or amounts as may be necessary to cover:

- (a) Payments may be earned or due for just claims for labor or materials furnished in and about the Work.
- (b) For defective work not remedied.
- (c) For failure of the Contractor to make proper payments to his subcontractors.
- (d) Reasonable doubt that this Contract can be completed for the balance then unpaid.
- (e) Evidence of damage to any person or property.

The Owner will disburse, and shall have the right to act as agent for the Contractor in disbursing, such funds as have been withheld pursuant to this paragraph, to the party or parties who are entitled to payment there from. The Owner will render to the Contractor a proper accounting of all such funds disbursed in behalf of the Contract.

Neither the final payment nor any part of the retained percentage shall become due until the Contractor, if required, shall deliver to the Owner a complete release of all liens arising out of this Contract, or receipts in full in lieu thereof and, if required in either case, an affidavit that so far as he has knowledge or information the releases and receipts include all labor and material for which a lien could be filed; but the Contractor may, if a subcontractor refuses to furnish a release or receipt in full, furnish a bond satisfactory to the Owner, to indemnify himself against any lien. If any lien remains unsatisfied after all payments are made, the Contractor shall refund to the Owner all monies that the latter may be compelled to pay in discharging such a lien, including all costs and a reasonable attorney's fee.

#### **ARTICLE 28. OWNER'S RIGHT TO DO WORK**

If the Contractor shall neglect to prosecute the Work properly, or fail to perform any provision of this Contract, the Owner, after three (3) days written notice to the Contractor, may, without prejudice to any other remedy he may have, make good such deficiencies and may deduct the cost thereof from the payment then or thereafter due to the Contractor provided, however, that the Engineer shall approve both such action and the amount charged to the Contractor.

#### **ARTICLE 29. OWNER'S RIGHT TO TERMINATE CONTRACT**

If the Contractor should be adjudged a bankrupt, or if he should make a general assignment for the benefit of his creditors, or if a receiver should be appointed on account of his insolvency, or if he should persistently or repeatedly refuse or fail to supply enough properly skilled workmen or proper materials, or if he should fail to make prompt payment to subcontractors for material or labor, or persistently disregard laws, ordinances, or the instruction of the Engineer, Municipal Engineer/Director of Public Works or otherwise be guilty of a substantial violation of any provision of the Contract, the Owner, then upon the

certificate of the Engineer that sufficient cause exists to justify such action, may without prejudice to any other right or remedy, and after giving the Contractor seven (7) days written notice, terminate the employment of the Contractor and take possession of the premises and of all materials, tools, and appliances thereon and furnish the Work by whatever method he may deem expedient.

In such case, the Contractor shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the Contract price shall exceed the expense of finishing the Work, such excess shall be paid to the Contractor. If such expense shall exceed the unpaid balance, the Contractor shall pay the difference to the Owner.

Where the Contractor's services have been so terminated by the Owner, the termination shall not affect any rights of the Owner against the Contractor then existing or which may thereafter accrue. Any retention or payment or moneys due the Contractor by the Owner will not release the Contractor from liability.

Upon seven days' written notice to the Contractor and Engineer, the Owner may, without cause and without prejudice to any other right or remedy, elect to abandon the work and terminate the Agreement. In such case, the Contractor shall be paid for all work executed and any expense sustained plus reasonable termination expenses.

The expense incurred by the Owner as herein provided and the Engineer shall certify the damage incurred through the Contractor's default. Upon receipt of termination, the Contractor shall be responsible for returning the site to its original condition or better, including all items necessary for Cleanup as further described herein.

### **ARTICLE 30. VISITING SITE**

The bidder shall visit the site of the proposed Work prior to submitting their bid, so that he may fully understand the facilities, difficulties, and restrictions attending the execution of the contract. They will be allowed no additional compensation for his failure to be so informed.

### **ARTICLE 31. LINES AND LEVELS**

The Contractor will establish the lot line and restrictions that are a matter of record. The responsibility for all other lines and levels necessary for the proper location and erection of improvements or appurtenances rests with the Contractor, who shall employ a competent instrument man.

### **ARTICLE 32. REGULATIONS**

The Contractor shall give notices, pay all fees, and comply with all Federal, State, and Municipal Laws, ordinances, rules and regulations, and building and construction codes bearing on the conduct of the work. This Contract, as to all matters not particularly referred to and defined therein, shall notwithstanding, be subject to the provisions of all pertinent ordinances of the Municipality or other political subdivision within whose limits the work is

constructed, which ordinances are hereby made a part hereof with the same force and effect as if specifically set out herein.

### **ARTICLE 33. ROYALTIES AND PATENTS**

The Contractor shall pay royalties and patents for any patented product used by him or incorporated in the Work, and shall defend all claims or suits for infringement of any patent right brought against himself or the Owner, and shall save the Owner harmless from loss on account thereof; the Contractor shall indemnify and save harmless the Owner and his officers and agents from all damages, judgments, claims, and expenses arising from the infringement of any letter, patent, or patent right, or because of any royalty, fee, or license for the use, arrangement, or operation of any tools, machinery, appliances, devices, or materials which may be used by the Contractor or furnished by him in fulfillment of the requirements of this Contract. In the event of any claim or action at law account of such patents or fees, it is agreed that the Owner may retain out of the monies which are or which may become due the Contractor under this Contract, a sum of money sufficient to protect himself against loss, and to retain the same until said claims are paid or satisfactorily adjusted.

### **ARTICLE 34. NOTICE TO START WORK**

The Contractor shall notify the Owner in writing forty-eight (48) hours before starting work at the site on this Contract of his intention to do so. In case of a temporary suspension of the Work, he shall give a similar notice before resuming Work.

### **ARTICLE 35. USE OF PREMISES**

The Contractor shall confine his apparatus; the storage of materials, and the operations of his workmen to limits indicated by the law, ordinances, permits, or direction of the Engineer and shall not reasonably encumber the premises with his materials.

The Contractor shall not load, or permit any part of the work to be loaded with a weight that will endanger its safety.

The Contractor shall enforce the Engineer's, Municipal Engineer/Director of Public Works instructions regarding signs, advertisements, fires, smoking, and sanitary facilities.

### **ARTICLE 36. CLEANING UP**

The Contractor shall at all times keep the premises free from accumulations of waste material or rubbish caused by his employees or work, and at the completion of the work, they shall remove all their rubbish from and about the site, and all his tools, equipment, and surplus materials and shall leave the site "broom-clean", or its equivalent, unless more exactly specified.

In case of dispute, the Owner may remove the rubbish and charge the cost to the Contractor as the Engineer may determine to be just.

### **ARTICLE 37. CUTTING, PATCHING, AND FITTING**

The Contractor shall do all cutting, patching, or fitting of his work that may be required to make its several parts come together properly, and to fit it to receive, or be received by, work of other Contractors shown upon, or reasonably implied by, the Drawings and Specifications, and they shall repair and make good after all such cutting and fitting. Any cost caused by defective or ill timed work shall be borne by the party responsible thereof.

The Contractor shall not endanger any work by cutting, digging, or otherwise, and shall not cut or alter the work of any Contractor.

### **ARTICLE 38. DELAYS**

If the Contractor is delayed in the completion of the work by any act or neglect of the Owner or the Engineer or of any employee of either, or by any other Contractor employed by the Owner, or by changes ordered in the work, or by strikes, lockouts, fire, and unavoidable casualties, or any causes beyond the Contractor's control, or by delay authorized by the Engineer pending arbitration, or by any cause which the Engineer shall decide to justify the delay, the time for completion shall be extended for such reasonable time as the Engineer, Municipal Engineer/Director of Public Works may decide. No such extension shall be made for delay occurring more than seven (7) days before claim therefore is made in writing to the Engineer, Municipal Engineer/Director of Public Works. In case of a continuing delay, only one claim is necessary.

The Contractor shall not claim or be entitled to any payment, compensation, damages, or adjustment of any kind, other than the extension of time provided for in the preceding paragraph, because of any hindrances or delays from any cause whatsoever, whether avoidable or unavoidable, in the commencement, performance or completion of the Work.

### **ARTICLE 39. SUBCONTRACTORS**

The Contractor shall notify the Owner in writing of the names of the subcontractors proposed on the Contract, and shall not employ any subcontractor until the Owner's approval in writing has been obtained.

The Contractor agrees to be fully responsible to the Owner for the acts or omissions of his subcontractors and of any one employed directly or indirectly by him or them, and this Contract obligation shall be in addition to the liability imposed by law upon the Contractor.

Nothing contained in the Contract Documents shall create any contractual relationship between any subcontractor and the Owner.

The Contractor agrees to bind every subcontractor (and subcontractor of a subcontractor) to the terms of the General Conditions of the Contract, the Drawings, and Specifications, as far as applicable to his work, unless specifically noted to the contrary in a subcontract



approved in writing as adequate by the Owner.

#### **ARTICLE 40. ASSIGNMENTS**

Neither party to the Contract shall assign the Contract or sublet it as a whole without the written consent of the other, nor shall the Contractor assign any monies due to or to become due to them hereunder, without the previous written consent of the Owner.

#### **ARTICLE 41. SPECIFICATION DIVISION**

The separation in the Specifications of any of the Contract Divisions of the work into section is merely for the convenience of reference. Although such separation may facilitate the awarding of subcontracts by the Contractor, such separations are not intended and shall not be deemed to make the Engineer an arbiter to establish subcontract limits between the Contractor and any of his subcontractors.

Each subcontractor is requested to carefully examine the Drawings and Specifications to determine in what way their work will be affected by the work of other trades and exactly what work they will be required to perform in connection with the work of other subcontractors.

#### **ARTICLE 42. BID DEPOSITS**

All proposals shall be accompanied by a certified check, bank cashier's check or bid bond made payable to the City of Zion, in the amount of five percent (5%) of the proposals bid upon. The bid security of the successful bidder will be returned to them upon execution of the Contract Agreement and approval of the Guarantee Bond specified under Article 18. All other bid deposits will be returned to the bidders as stipulated in the Proposal form.

#### **ARTICLE 43. MINIMUM WAGE RATES**

The Contractor shall agree to pay the present prevailing minimum rates for the various classes of laborers and mechanics to be engaged in work on this project and all deductions, if any, required by law to be made from unpaid wages actually earned by laborers and mechanics so engaged.

In accordance with "An Act Regulating Wages of Labor, Mechanics, and Other Workers Employed in Any Public Works by the State, County, City or Any Public Body or Any Political Subdivision or by Anyone Under Contract for Public Works", Ill. Rev. Stat. ch. 48, Sections 39s-1 et seq., or latest edition, a copy of the Owner's "Ordinance Ascertaining the Prevailing Rate of Wages", in effect as of the date of the advertisement for bids, is attached and shall be a part of this Contract. If the Illinois Department of Labor revises the prevailing rate of hourly wage to be paid, the revised rate shall apply to this Contract.

#### **ARTICLE 44. OVERTIME WORK**

The work shall be carried forward during regular working hours unless the Contractor finds it necessary to work overtime in the course of the work or to complete the work within the time of completion stipulated in the Proposal and in the Contract Agreement. The cost of such overtime is included in the Contract Sum.

#### **ARTICLE 45. TAXES**

The Contractor shall pay all current and applicable municipal, county, state, and federal taxes due on his work, including, without thereby limiting the foregoing, those required by the Federal Insurance Contributions Act and the Federal and State Unemployment Tax Acts.

#### **ARTICLE 46. TEMPORARY TOILET**

The Contractor shall provide and maintain a sanitary, temporary toilet located where directed. The temporary toilet shall be enclosed and weatherproofed and kept in a sanitary condition at all times.

#### **ARTICLE 47. LIGHT AND POWER**

The General Contractor shall furnish all temporary light and power complete with all wiring, lamps, and similar equipment as required for the completion of the Work. The General Contractor shall pay for all current, for all temporary light and power for all trades. The General Contractor shall make all necessary arrangements with the local electric company for all temporary electric service and shall pay all expenses in connection therewith.

#### **ARTICLE 48. WATER**

The Contractor shall be required to pay the established water rates for water obtained from the Owner. Large quantities of water for flushing sewers, filling mains, or other operations shall be drawn only at night, or at time specifically authorized by the Owner.

#### **ARTICLE 49. SCHEDULE OF OPERATIONS**

The Contractor shall submit a schedule of operations to the Owner and obtain approval of said schedule from the Owner prior to any construction operations. The construction operations shall be scheduled and sequences in a manner to provide no interruptions to operation of the existing facilities. The Contractor shall be required to keep the Owner informed of any changes in the schedule and shall allow ample time for the Owner to make any system alterations as required by the construction of the various components of the project.

#### **ARTICLE 50. MAINTENANCE OF EXISTING SERVICE UTILITIES**

The Contractor shall be responsible for interference with, or damage to, any existing service utilities and shall repair or replace said service utilities with the least possible delay at his own expense.

#### **ARTICLE 51. FINAL TESTS**

After completion of the work to be performed under this Contract, the Contractor shall make any and all test required by these Specifications, Municipal, or State regulations, and where so provided in said regulations, shall furnish the Owner with certificates of inspection by the Municipal or State regulatory bodies.

#### **ARTICLE 52. NOT APPLICABLE**

#### **ARTICLE 53. WATCHMAN**

The General Contractor may, at his discretion, employ a man or men for watching the work at all time outside of the regular working hours, and at such times during working hours when work is not in progress at the site, from the time excavation work is started until the entire work is complete. This watchman will in no way be a guarantee against theft or other damage.

#### **ARTICLE 54. BIDDER'S QUALIFICATIONS**

The Owner reserves the right to require from the Bidder, prior to the award of the Contract, a detailed statement regarding the business and technical organizations and plant of the Bidder that is available for the work that is contemplated. Information pertaining to financial resources, experience of personnel, and previously completed construction projects may also be requested. Any bidder may be required by the Owner to submit additional data to satisfy the Owner that such bidder is equipped and prepared to fulfill a contract should a contract be awarded to the Contractor. The competency and responsibility of bidders and of their proposed subcontractors will be considered in making awards. The Owner does not obligate itself to accept the lowest or any other proposal.

#### **ARTICLE 55. INCREASED OR DECREASED QUANTITIES**

Whenever the quantity of any item of work as given in the Proposal shall be increased or decreased, payment shall be made on the basis of the actual quantity completed at the unit price for such item named in the Proposal, or at a price agreed upon by the Owner and Contractor if a lump sum bid is used.

#### **ARTICLE 56. PAYMENT FOR EXTRA WORK**

Extra Work, which is work that does not appear in the Contract as specific items accompanied by unit prices, and is not included as incidental work to the prices bid for other items in the contract, shall be paid for on the basis of a lump sum price or at unit prices agreed upon by the Contractor and the Owner. Extra Work shall not be started until

the Owner gives written authorization. The authorization shall state the items of work to be performed and the method of payment for each item. Work performed without such written authorization will not be paid for.

#### **ARTICLE 57. COMPLETION AND EXCESS COST OF FIELD ENGINEERING**

The attention of Contractors is directed to the following provisions covering payment of field engineering and inspection costs on this project. The proposal form and contract form on this contract includes a stated number of calendar days to be allowed from the date of the contract to the date of final completion and acceptance of all work covered in the contract. For each week day that the work remains uncompleted and unaccepted beyond the number of days allowed in the contract and for any work in any week in excess of 5-8 hour days, the cost of resident engineers and inspectors regularly assigned on the contract will be deducted from final amounts due the Contractor. The cost of such resident engineers and inspectors will be computed on the basis of three hundred dollars (\$300.00) per day for each resident engineer, and/or inspector. Such amounts to cover actual payroll cost plus all travel and overhead items. The cost of resident engineers and inspectors deducted from any monies due the Contractor is on account of the expenses due to the employment of engineer and their assistants and to other expenses after the expiration of completion time set forth by the Engineer.

#### **ARTICLE 58. "ANTI-KICKBACK" STATEMENT**

The Contractor shall be required to have completed an "Anti-Kickback" statement and/or other applicable Federal form in accordance with the Regulations of the Secretary of Labor for all Federal Aid Projects.

#### **ARTICLE 59. SUBSTITUTIONS OF MATERIALS OR PROCESSES INCLUDING BASE AND ALTERNATE EQUIPMENT BIDS**

Whenever in the Specifications or on the Drawings any material, equipment, device, or process is specified or indicated by patent or proprietary name, or by name of its manufacturer, such reference to a material, equipment, device, or process has been used to establish a type and quality of material, equipment, or article.

All bidders will submit their base bid on the use of the equipment indicated in the Specifications or on the Drawings. Bids for alternate or substitute equipment will be received as outlined in the bid proposal. Bids for substitute items shall be accompanied by two (2) sets of Drawings together with Specifications, a detailed list of equipment to be furnished, and a list of similar installations utilizing the proposed equipment or material. It will not be acceptable for equipment or material manufacturers intending to quote to Contractors on substitute or alternate items, to submit the above data to the Engineer prior to the bid opening instead of including it with the Bid.

No equipment or material of an experimental or un-proven nature will be approved for use on this project.

If the equipment manufacturer cannot guarantee the operation of any equipment in the structure detailed on the Drawings, he shall furnish an alternate housing or structure designed for review by the Engineer. The Contractor within the contract price will build such alternate structure and no additional compensation will be allowed the Contractor for any work or design necessitated by structure changes so required.

#### **ARTICLE 60. TIME FOR COMPLETION AND LIQUIDATED DAMAGES**

It is hereby understood and mutually agreed, by and between the Contractor and the Owner, the date of beginning and the time for completion as specified in the Contract for the work to be done hereunder are ESSENTIAL CONDITIONS of this contract; and it is further mutually understood and agreed that the work embraced in this contract shall be commenced and completed as agreed to by the Owner and the Contractor.

The Contractor agrees that said work shall be prosecuted regularly, diligently, and uninterruptedly at such rate or progress as will insure full completion thereof within the time specified. It is expressly understood and agreed, by and between the Contractor and the Owner, that the time for the completion of the work described herein is a reasonable time for the completion of the same, taking into consideration the average climatic range and usual industrial conditions prevailing in this locality.

If the said Contractor shall neglect, fail, or refuse to complete the work within the time herein specified, or any proper extension thereof granted by the Owner, then the Contractor does hereby agree, as a part consideration for the awarding of this Contract, to pay to the Owner an amount equal to two hundred dollars (\$200.00) per day for each and every calendar day that the Contractor shall be in default after the time stipulated in the contract for completing the work.

The said amount is fixed and agreed upon by and between the Contractor and the Owner because of the impracticability and extreme difficulty of fixing and ascertaining the actual damages the Owner would in such event sustain, and said amount is agreed to be the amount of damages which the Owner would sustain and said amount shall be retained from time to time by the Owner from current periodical estimates.

It is further agreed that time is of the essence of each and every portion of this contract and of the specifications wherein a definite and certain length of time is fixed for the performance of any act whatsoever; and where under the contract an additional time is allowed for the completion of any work, the new time limit fixed by such extension shall be of the essence of this contract. Provided that the Contractor shall not be charged with liquidated damages or any excess cost when the Owner determines that the Contractor is without fault and the Contractor's reasons for the time extension are acceptable to the Owner; Provided further that the Contractor shall not be charged with liquidated damages or any excess cost when the delay in completion of the work is due:

(a) To any preference, priority, or allocation order duly issued by the  
*Hebron Street Water Main Improvements*

Government.

- (b) To unforeseeable cause beyond the control and without the fault or negligence of the Contractor, including, but not restricted to, acts of God, or of public enemy, acts of the Owner, acts of another Contractor in the performance of a contract with the Owner, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and severe weather; and to any delays of Subcontractors or suppliers occasioned by any of the causes specified in subsections (a) and (b) of this article:

Provided further that the Contractor shall, within ten (10) days from the beginning of such delay, unless the Owner shall grant a further period of time prior to the date of final settlement of the contract, notify the Owner, in writing, of the causes of the delay, who shall ascertain the facts and extent of the delay and notify the Contractor within a reasonable time of its decision in the matter.

#### **ARTICLE 61. ENGINEER'S LIABILITY**

The Engineer, Municipal Engineer/Director of Public Works will not be responsible for the Contractor's means, methods, techniques, sequences or procedures of construction, or the safety precautions and programs incident thereto, and the Engineer will not be responsible for the Contractor's failure to perform the work in accordance with the Contract Documents.

The Engineer, Municipal Engineer/Director of Public Works will not be responsible for the acts or omissions of the Contractor or any Subcontractors, or the agents or employees of any Contractor or Subcontractor, or of any other persons at the site or otherwise performing any of the work.

Neither the Engineer's, Municipal Engineer/Director of Public Works authority to act under this Article or elsewhere in the Contract Documents nor any decision made by the Engineer, Municipal Engineer/Director of Public Works in good faith either to exercise or not exercise such authority shall give rise to any duty or responsibility of the Engineer, Municipal Engineer/Director of Public Works to the Contractor, or any of the Contractor's agents or employees or any other person performing any of the work.

#### **ARTICLE 62. "OR EQUAL" CLAUSE**

Whenever a material, article, or piece of equipment is identified on the Drawings or in the Specifications by reference to manufacturer's or vendor's names, trade names, catalog numbers, etc., it is intended merely to establish a standard; and any material, article, or equipment other manufacturers and vendors which will perform adequately the duties imposed by the general design will be considered equally acceptable provided the material, article, or equipment so proposed is, in the opinion of the Engineer, Municipal Engineer/Director of Public Works of equal substance and function. It shall not be purchased or installed by the Contractor without the Engineer's, Municipal Engineer/Director of Public Works written approval.

### **ARTICLE 63. CONTRACT TIME**

The Contractor shall complete, in an acceptable manner, all of the work contracted for in the time stated in the Proposal. Computation of Contract Time shall commence on the fourteenth day following the date of mailing, be it regular mail or faxing, of the Notice to Proceed and every calendar day following shall be counted as a working day.

### **ARTICLE 64. USE AND OCCUPANCY PRIOR TO ACCEPTANCE BY OWNER**

The Contractor agrees to the use and occupancy of a portion or unit of the project before formal acceptance by the Owner, provided the Owner:

Secures written consent of the Contractor except in the event, in the opinion of the Engineer, the Contractor is chargeable with unwarranted delay in final cleanup of punch list items or other contract requirements.

- (b) Secure endorsement from the insurance carrier and consent of the surety permitting occupancy of the building or use of the project during the remaining period of construction, or,

### **ARTICLE 65. OSHA**

The rules and regulations promulgated under the Occupational Safety and Health Act (Latest Edition) shall govern this work.

### **ARTICLE 66. CONTRACT DOCUMENTS**

The Contract will consist of the following Documents including Addenda incorporated in the Documents before their execution:

- (a) Agreement
- (b) Addenda to Contract Documents
- (c) Proposal
- (d) Instruction to Bidders
- (e) Advertisement for Bids
- (f) Detailed Specifications
- (g) Special Conditions
- (h) General Conditions
- (i) Performance and Payment Bond
- (j) Proposal Guaranty
- (k) Change Orders

In the event of any conflict between the Agreement and any of the other Contract Documents, the provisions of the Agreement shall control. The order of precedence of the



Other Contract Documents in the event of conflict shall be in the same order as listed above. A Contract Document first tested shall have precedence over a Contract Document following it, except as may be otherwise specifically stated.

In the event of conflict in or between the Specifications and Drawings, the Engineer, Municipal Engineer/Director of Public Works shall decide the intent of the Documents in accordance with Article 8 of the General Conditions.

The various provisions of Addenda shall be construed in the order of preference of the component part of the contract which each modifies.

The Contract Documents are complementary, and what is called for by any one shall be as binding as if called for by all. The intention of the Contract Documents is to include all labor, materials, equipment, transportation, construction plant, and facilities necessary for the proper execution and completion of the Work, and the terms and conditions of payment thereof. All work not specifically excluded in the Contract Documents, which is reasonably and properly inferable there from, or accepted trade practice, or necessary for the proper mentioned in or called for by the Contract Documents. It is not intended, however, that materials or work not covered by or proper inferable from any heading, branch, class, or trade of the Specifications shall be supplied unless distinctly so noted or shown on the Drawings. Materials or work described in words, which so applied have a well-known technical or trade meaning shall be held to refer to such recognized standards.

#### **ARTICLE 67. EMPLOYMENT LAWS**

The manufacturer shall comply with all applicable federal, state, and local laws regarding non-discrimination, fair and equal employment opportunity, and prevailing wage rates.

#### **ARTICLE 68. LIENS**

The final payment shall not be due until the Contractor has delivered to the Owner a complete release of all lien arising out of this contract, or receipts in full covering all labor and materials for which a lien could be filed and a bond satisfactory to the Owner indemnifying them against any lien.

#### **ARTICLE 69. AVAILABILITY OF LANDS**

The Owner shall furnish, as indicated in the Contract Documents, the lands upon which the work is to be performed, rights-of-ways for access thereto, and such other lands, which are designated for the use of the Contractor. Easements for permanent structures or permanent changes in existing facilities will be obtained and paid for by the Owner.

#### **ARTICLE 70. DELIVERY OF BONDS AND INSURANCE**

When the Contractor delivers the executed Agreement to the Owner, the Contractor shall also deliver to the Owner all of the Bonds as required in Article 18.

Before the work is started at the site, the Contractor shall deliver to the Owner, with a copy to the Engineer, all certificates of insurance, which the Contractor is required to purchase and maintain in accordance with Article 12.

#### **ARTICLE 71. PRIOR TO STARTING CONSTRUCTION**

Before undertaking each part of the work, the Contractor shall carefully study and compare the Contract Documents and check and verify pertinent figures shown thereon and all applicable field measurements. The Contractor shall promptly report in writing to the Engineer, Municipal Engineer/Director of Public Works any conflict, error, or discrepancy which the Contractor may discover; however, the Contractor shall not be liable to the Owner or the Engineer for failure to report any conflict, error, or discrepancy in the Drawings or the Specifications, unless the Contractor had actual knowledge thereof or should reasonably have known thereof.

Before the Contractor starts the work at the site, a conference will be held for review and acceptance of the schedules referred to in the Contract Documents, to establish procedures for handling Shop Drawings and other submittals and for processing Applications for Payment, and to establish a working understanding about the parties as to the work.

#### **ARTICLE 72. EXISTING UTILITIES**

Water lines, gas lines, wire lines, service connections, water and gas meter boxes, water and gas valve boxes, light standards, cable ways, signals, and other utility appurtenances which would permanently interfere with the proposed improvement will be removed at the expense of the Contractor except provided for in the special provisions or as noted on the Drawings.

It is understood and agreed that the Contractor has considered in his bid all of the permanent and temporary utility appurtenances shown or otherwise indicated on the Drawings in their present positions and that no additional compensation will be allowed for any delays, inconvenience, or damage sustained by them due to any interference from the said utility appurtenances or the operation of moving them by the contractor, or on account of any special construction methods required in prosecuting his work due to the existence of said appurtenances except as provided as follows:

Wherever obstructions are encountered during the process of the work and interfered to such an extent that an alteration in the Drawing is required, the Engineer, Municipal Engineer/Director of Public Works shall have the authority to change the plans and order a deviation from the line and grade or arrange with the owners of the structures for the removal, relocation, or reconstruction of the obstructions. Where gas, water, telephone, electrical, hot water, steam, or other existing utilities are an impediment to the vertical or horizontal alignment of the proposed pipe line, the Engineer, Municipal Engineer/Director of Public Works shall

order a change in grade or alignment or shall direct the Contractor to arrange with the owners of the utilities for their removal. If a major change in line or grade not shown on the Drawing is necessary, the cost of removal, modification, and/or replacement of existing structures or utilities shall be borne by the Owner.

#### **ARTICLE 73. NOTIFICATION AND TIME LIMIT FOR REPAIRS**

The Contractor shall be responsible for the proper and safe protection of this work at all times during construction and also during the one-year guarantee period after the acceptance of the completed work by the Owner.

The Contractor shall provide, erect, and maintain barricades, red flags, and torches and lights at all places where work is in progress, and wherever else required by the Owner's representative. The Contractor shall maintain an emergency phone number where he can be notified at any time, Sundays and holidays included, of an emergency condition due to the work, which requires immediate repair or protection. Upon such notification by the Owner's representative, the Contractor shall be given a two-hour limit to provide whatever barricades, flags, torches, and lights are required to mark and protect the hazard. If the Contractor fails to provide this protection within the two-hour period from time of notification, the Owner will provide the necessary protection and deduct the sum of \$100.00 for each occurrence from the monies due and payable to the Contractor for completed work.

Also upon notification by the Owner's representative, the Contractor shall be given a 24-hour time limit to begin to make any repairs to the work. If the Contractor fails to begin such repairs as are required within the 24-hour period from time of notification, the Owner will make the necessary repairs to the work and deduct the cost of labor and materials, including engineering costs, for each repair incident from the monies due and payable to the Contractor for completed work.

#### **ARTICLE 74. COMPLIANCE WITH LAWS**

The Contractor shall give all notices, pay all fees, and take all other action that may be necessary to ensure that the Work is provided, performed, and completed in accordance with the requirements of all governmental permits, licenses, or other approvals or authorizations that may be required in connection with providing, performing, and completing the Work and with all applicable laws, including without limitation, the Prevailing Wage Act, Ill. Rev. State, ch. 48, Section 29s-1, et seq. (in furtherance of which, a copy of Owner's "Ordinance Ascertaining the Prevailing Rate of Wages" in effect as of the date of this Contract is included in the Contract Documents; if the Illinois Department of Labor revises the prevailing rate of hourly wages to be paid, the revised rate shall apply to this Contract); any other prevailing wages laws; the Fair Labor Standards Act; any laws regarding qualification to do business; any laws requiring preference to laborers of specified classes; the Illinois Steel Products Procurement Act, Ill Rev. Stat. ch. 48, Section 1801; any law prohibiting discrimination because of, or requiring affirmative action based on race, creed, color, national origin, age, sex, or other prohibited classification, including,

without limitation, the Illinois Human Rights Act, Ill. Rev. Stat. ch. 58, Sections 1-101 et seq. and the Discrimination in Public Contracts Acts, Ill. Rev. Stat. ch. 29, Section 17 et seq.; or the latest editions, any laws respecting the assumption of liability for taxes, contributions, and premiums for unemployment insurance, old age, or retirement benefits, pensions, annuities, or other similar benefits for Contractors' and Subcontractors' employees; and any laws regarding safety or the performance of the Work; including the Illinois Structural Work Act, the Illinois Underground Utility Facilities Damage Prevention Act, and the Occupational Safety and Health Act. Contractor shall keep itself fully informed of all existing and future laws affecting this Contract; affecting those engaged or employed on the Work; affecting the equipment, materials, and supplies used in the Work; affecting the conduct of the Work; and affecting the rights, duties, powers, or obligations of the Owners or of Contractor; and shall also keep itself fully informed of all orders, decrees, and other requirements of bodies or tribunals having any jurisdiction or authority over any of the foregoing. Contractor shall display all permits, licenses, and other approvals and authorizations as required by law.

Each and every provision required by law to be inserted in this Contract shall be deemed to be inserted herein, and this Contract shall be read and enforced as though all such provisions were set out in full in this Contract. If, through mistake or otherwise, any such provision is not set out in this Contract, or is not correctly set out in this Contract, then upon the application of either the Owner or Contractor, this Contract shall forthwith be physically amended to correctly set out such provision.

#### **ARTICLE 75. DAMAGE TO THE WORK, THE WORK SITE, AND OTHER PROPERTY**

The Work and everything pertaining thereto shall be provided, performed, completed, and maintained at the sole risk and cost of Contractor from the commencement date until final payment of the contract. Contractor shall be responsible and liable for any damages, losses, and injuries resulting from its operations. Contractor shall be fully responsible for the protection of all public and private property and all persons.

Contractor shall have no claim against the Owner or Engineer because of any damage or loss to the Work or to Contractor's equipment, materials, or supplies from any cause whatever, including damage or loss due to simultaneous work by others.

Contractor shall, promptly and without charge to the Owner or Engineer, repair or replace, to the satisfaction of the Owner, any damage done to, and any loss suffered by, the Work and any damage done to, and any loss suffered by, the work site or other property as a result of the Work.

No specific provision of this Contract to the effect that Contractor shall be responsible and liable at its sole risk and cost for the Work or any part thereof or for damage, loss, or injury caused by Contractor shall be construed to be an exclusive listing of the circumstances in which Contractor bears such responsibility and liability, but, rather, all such provisions shall be construed to be exemplary only.

Notwithstanding any other provision of this Contract, Contractor's obligations under this Article shall exist without regard to, and shall not be construed to be waived by, the availability or unavailability of any insurance, either of the Owner, Engineer or Contractor, to indemnify, hold harmless, or reimburse Contractor for the cost of any repair or replacement work required by this Article.

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Copy of Prevailing Wages for Lake County

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## **SECTION 100**

### **SPECIAL CONDITIONS**

#### **100.01 Scope of Work**

The work is entitled "Hebron Street Water Main Improvements", City of Zion, Lake County, Illinois. The work shall include furnishing all labor, materials, equipment, tools, and services necessary to excavate and install the materials needed to complete the project as directed by the owner.

The Contractor shall examine the conditions of the site and must assume the risk of encountering water, quicksand, hardpan, boulders, clay, rubbish, and underground conduits. No claim for any amount of money will be considered or allowed because of the character of the ground in which the excavation is made and/or when special foundation material is required.

The existing 6" water main shall remain in service during the construction of the proposed 8" water main. Contractor to be cautious of existing water services and take any and all precautions to protect the existing water services.

#### **100.02 Compliance with Standard and Industry Specifications**

Any material, operation, or installation procedure specified by reference to a published specification or standards of any organization or association indicated in these specifications shall comply with the requirements of the specifications or standards, which is current on the date of the advertisement for bids.

The Contractor shall construct the project in conformance with the following standards except as modified herein:

1. Standard Specifications for Water and Sewer Main Construction in Illinois, Current Edition (SSWSCI).
2. Materials and Construction of Roadway Improvements and Restoration - "Standard Specifications for Road and Bridge Construction" and Supplemental Specifications and Recurring Special Provisions, as published by the Illinois Department of Transportation, latest edition hereinafter referred to as the State Specifications.
3. Erosion Control - "Standard Specifications for Soil Erosion and Sediment Control" as published by the Illinois Environmental Protection Agency, latest edition.
4. City of Zion Engineering Standards and Specifications.



In case of a conflict with any part of the Industry Specifications cited above and these Specifications/Contract Documents, the Contract Documents shall take precedence and govern. The Contractor shall confine his construction operations to the areas designated as public right-of-ways, public lands unless otherwise authorized in writing.

#### **100.03 General Construction Observance**

##### **A. Traffic Control**

The Contractor shall carefully coordinate road and alley closures with the City, the Municipal Engineer/Director of Public Works, or his designated representative. No complete closure of a street shall be made until the Municipal Engineer/Director of Public Works, or his designated representative have been notified and approval has been given for the Contractor's Traffic Control Plan.

Temporary traffic control devices shall be employed when necessary and shall meet the requirements of the "Standard Specifications for Road and Bridge Construction", latest edition, published by the Illinois Department of Transportation. This applies directly to the work at the intersection of 21<sup>st</sup> Street and the alley at Sta. 10+30.

##### **B. Local Roads**

The Contractor shall comply with all local ordinances regarding weight limitations and street cleaning during construction operations. A specified truck route shall be provided to the Contractor designating streets to be used for ingress and egress to and from the site. Any damage to the local roads caused by the Contractor shall be repaired or replaced to at least equivalent to that which existed prior to the damage at the Contractor's expense.

#### **100.04 Existing Facilities**

The Contractor shall provide protection of existing facilities from damage of any kind during the course of construction operations. Any damage of any kind during the course of construction which is not scheduled for removal or replacement, if caused by the Contractor's operations under this contract, shall be repaired or replaced at the Contractor's expense.

All existing sidewalks, driveways, entrances, ditches, culverts, lawns, active utilities, signs, fences, field tiles, sheds, and other miscellaneous property which is removed to allow construction, or damaged by construction, shall be restored to condition at least equivalent to that which existed prior to starting the work unless additional arrangement are made satisfactory to the owner of the property. No additional compensation will be allowed for these items beyond what is provided for in the bid tabulation.

#### **100.05 Storage of Materials**

The Contractor shall be responsible for all materials furnished by them and their material suppliers and shall replace at their expense all such materials that are found to be defective in manufacture or that are damaged in handling. The Contractor shall be responsible for the safe storage of piping materials furnished by or to them, accepted by them, and intended for the work, until it has been incorporated in the complete project.

#### **100.06 Contractor's Responsibility**

All pipe must be built so as to remain true to line and grade. Any section of pipe that does not comply with this specification at any time previous to final acceptance of the work shall be replaced or re-laid at the contractor's expense.

The Contractor shall be held strictly responsible that all parts of the work shall be acceptable to the Owner. The Contractor at his expense will replace any defects that develop in the work within one (1) year from the date of final acceptance of the work. To this end, the Contractor is advised to purchase material under a guarantee from the Manufacturer, guaranteeing proper service of material under conditions established by the drawings, specifications and local conditions at the site of work.

The Contractor shall assume all responsibility for relaying or repairing all pipe, cables, or other obstructions of an improvement nature, damaged during construction, at no cost to the Owner. All electrical, television cable, telephone, gas, water, etc. that are damaged during the construction shall be repaired to the satisfaction of the affected utility company at the Contractor's expense.

#### **100.07 Mailboxes**

There may be several U.S. Postal Service mailboxes, which will require removal, temporary placement for continued operation, and resetting to their original locations. Prior to moving any mailboxes, the Contractor must first check with the local Post Office to determine any and all conditions required for moving said mailboxes. Resetting of the mailboxes shall take place as soon as possible after completion of the Sanitary Sewer main and restoration work, and be set in a manner so approved by the Post Office and Municipal Engineer/Director of Public Works. The Contractor shall perform this work as incidental to the contract.

#### **100.08 Work Around Existing Utilities**

The Contractor will be responsible for protecting existing utilities when working around or adjacent to them. The Contractor shall contact the appropriate Utility Company if a main or service is damaged. If an existing sewer or water service or main is damaged, the Contractor shall make the repairs, using appropriate materials, sleeves, etc. Cost of repairs to sewer and water services or mains damaged by construction shall be incidental to construction.

## **100.10 Pay Items**

### **1. DIP CL 52 WATER MAIN, 8"**

Work includes furnishing and installing 8" diameter water main as shown on the plans. The material is DIP pipe, CL 52 conforming to ANSI A-21.51 or AWWA C-150. Mechanical fittings supplied with "COR-TEN" bolts or rubber ring (Push On) fitting conform to ANSI A-21.4 or AWWA C-110 and C-111. Water main shall be cement lined in conformance with ANSI A-21.4 or AWWA C-104. Bedding, haunching and initial backfill to a height of one foot above the pipe is included in the cost of this item. In areas where the watermain is in non-paved areas, backfilling the trench with native materials is included in the cost of this pay item. Watermain shall follow lines and grades per the plan. Testing shall be performed according to the City of Zion requirements and the SSWSCI.

Work shall be paid for as DIP CL 52 WATER MAIN, 8", FOOT.

### **2. DIP CL 52 WATER MAIN, 6"**

Work includes furnishing and installing 6" diameter water main as shown on the plans. The material is DIP pipe, CL 52 conforming to ANSI A-21.51 or AWWA C-150. Mechanical fittings supplied with "COR-TEN" bolts or rubber ring (Push On) fitting conform to ANSI A-21.4 or AWWA C-110 and C-111. Water main shall be cement lined in conformance with ANSI A-21.4 or AWWA C-104. Bedding, haunching and initial backfill to a height of one foot above the pipe is included in the cost of this item. In areas where the watermain is in non-paved areas, backfilling the trench with native materials is included in the cost of this pay item. Watermain shall follow lines and grades per the plan. Testing shall be performed according to the City of Zion requirements and the SSWSCI.

Work shall be paid for as DIP CL 52 WATER MAIN, 6", FOOT.

### **3. FIRE HYDRANT, COMPLETE**

Work includes the furnishing and installation of fire hydrant, auxiliary valve and box and water main lead to the hydrant from the tee, which is a separate pay item. All materials shall meet the requirements of the general notes and shall be installed per the plans.

Work shall be paid for as FIRE HYDRANT, COMPLETE, EACH.

### **4. VALVE VAULT, 5' DIAMETER**

Work includes furnishing and installing valve vault per the plans, including the frame and lid. Work shall be performed in accordance with the SSWSCI and IDOT Standards.

Work shall be paid for as VALVE VAULT, 5' DIAMETER, EACH.

**5. DISCONNECT EX. SERVICE FROM EX. WATER MAIN CORPORATION STOP**

Work includes disconnecting the existing water service at the existing corporation stop.

Work shall be paid for as DISCONNECT EX. SERVICE FROM EX. WATER MAIN CORPORATION STOP.

**6. 1-1/2" WATER SERVICE W/CORP STOP AND CURB STOP CONNECTION TO EXISTING SERVICE LOCATION (REUSE EX. BUFFALO BOX)**

Work includes furnishing and installing 1-1/2" corp. stops and the fittings to connect the proposed copper water service to proposed 1-1/2" curb stop at existing B-Box location. The proposed 1-1/2" copper water service pipe will be paid for in this item. The corporation stop shall be installed per the detail on the drawings and lined up as close as possible to the existing services in the field. The drawings show only approximate locations of services. Once the proposed water main is tested and approved, Contractor shall locate each domestic service and disconnect from existing main. Contractor shall then install the proposed 1-1/2" TYPE K COPPER WATER SERVICE from the proposed corp. stop on the proposed 8" water main to the new curb stop located at the existing Buffalo Box. The proposed curb stop shall be installed in the same location as the existing curb stop. If reducers are involved it shall be paid for under this pay item and no additional payment will be made for dissimilar sizes. Soldered joints are not allowed.

Work shall be paid for as 1-1/2" WATER SERVICE W/CORP STOP AND CURB STOP CONNECTION TO EXISTING SERVICE LOCATION (REUSE EX. BUFFALO BOX) INCLUDING TRENCH BACKFILL

**7. PRESSURE CONNECTION TO EXISTING WATER MAIN, 6"x6" TAPPING SLEEVE AND VALVE**

Work includes furnishing and installing fittings as shown on the plans. Materials shall be per the general notes and shall be mechanically restrained to the water mains and fittings.

Work shall be paid as PRESSURE CONNECTION TO EXISTING WATER MAIN, 6"x6" TAPPING SLEEVE AND VALVE, EACH.

**8. DUCTILE IRON FITTING, REDUCER, 8"x 6"**

Work includes furnishing and installing fittings as shown on the plans. Materials shall be per the general notes and shall be mechanically restrained to the water mains and fittings.

Work shall be paid as DUCTILE IRON FITTING, REDUCER, 8"x 6", EACH

**9. DUCTILE IRON FITTING, 8" X 8" X 6" TEE**

Work includes furnishing and installing fittings as shown on the plans. Materials shall be per the general notes and shall be mechanically restrained to the water mains and fittings.

Work shall be paid as DUCTILE IRON FITTING, 8" X 8 X 6" TEE, EACH

**10. LINE STOP, 6"**

Work includes the use of a line stop to abandon water mains as described in the pay item ABANDON WATER MAIN when a valve is not near the main to be abandoned. If a valve is not in working order and was to be used for the abandonment a line stop may be used with the approval of the City prior to work being performed.

Work shall be paid as LINE STOP, 6", EACH.

**11. ABANDON WATER MAIN**

Work includes the cutting and removal of portions of water main in areas indicated in the plans to facilitate a water tight existing main prior after the proposed water main is approved. In each case this may or may not involve installing a plug of like size to the main which is being abandoned. In order to facilitate the abandonment of the main, the nearest valve may need to be closed to allow for abandonment. In all cases a plug will be required with restrained joints and thrust blocking. Pipe removal, plugs and valve closures (by the City) are all included in this pay item. All abandonments shall be discussed with the City prior to the work and City shall be notified 24 hours prior to abandonment.

Work shall be paid as ABANDON WATER MAIN, LUMP SUM.

**12. TRENCH BACKFILL**

Work includes furnishing and placing trench backfill in the water main trenches as shown on the plans. Measurement shall be per the Trench Backfill Table on the details per the SSWSCI. Bedding, haunching and Initial backfill is incidental to the price for the pipe.

Work shall be paid as TRENCH BACKFILL, FOOT.

**13. SAW CUT EXISTING PAVEMENT AND CURB**

Work includes saw cutting existing pavement and curb for a clean working edge..

Work shall be paid as SAW CUT EXISTING PAVEMENT & CURB, FOOT.

**14. BITUMINOUS PAVEMENT RESTORATION**

Work shall include the restoration of Hebron Street with like material measured to a minimum depth of 11", (8" CA-6 minimum and 3" surface course) and shall be installed per Division II of the SSWSCI and IDOT Standard Specifications. The maximum pay width for restoration is on the table in the details in the engineering plans.

Work shall be paid as BITUMINOUS PAVEMENT RESTORATION, SQUARE YARD

**15. BRICK PAVER RESTORATION**

Work includes furnishing and reinstalling all brick pavers disturbed during the water service installation.

Work shall be paid as BRICK PAVER RESTORATION, SF.

**16. CONCRETE SIDEWALK RESTORATION**

Work includes the removal and replacement of concrete sidewalk in areas of excavation or disturbance and shall be installed per Division II of the SSWSCI and IDOT Standard Specifications. Any removal shall be taken to the nearest joint and saw cut for a clean transition; match existing width in all cases. Thickness for sidewalk shall be 5" unless across a driveway, where thickness shall be 7".

Work shall be paid as CONCRETE SIDEWALK RESTORATION, SQUARE FOOT.

**17. CONCRETE CURB AND GUTTER RESTORATION**

Work includes the removal and replacement of concrete gutter in areas of excavation or disturbance and shall be installed per IDOT Standard Specifications and details in the drawings. Any removal shall be taken to the nearest joint and saw cut for a clean transition; match existing width in all cases.

Work shall be paid as CONCRETE CURB AND GUTTER RESTORATION, FOOT.

**18. LANDSCAPE RESTORATION**

Work shall include the restoration of surfaces in areas where grass and topsoil disturbance has occurred. The contractor shall minimize disturbance on the project to the best of their ability. Work shall be performed Section 300.03 of this document, SURFACE RESTORATION.

Work shall be paid as LANDSCAPE RESTORATION, 1 LUMP SUM.

**19. ABANDON WATER MAIN**

Work includes the cutting and removal of portions of water main in areas indicated in the plans to facilitate a water tight existing main prior after the proposed water main is approved. In each case this may or may not involve installing a plug of like size to the main which is being abandoned. In order to facilitate the abandonment of the main, the nearest valve may need to be closed to allow for abandonment. In all cases a plug will be required with restrained joints and thrust blocking. Pipe removal, plugs and valve closures (by the City) are all included in this pay item. All abandonments shall be discussed with the City prior to the work and City shall be notified 24 hours prior to abandonment.

Work shall be paid as ABANDON WATER MAIN, 1 LUMP SUM.

## **SECTION 200**

### **TRAFFIC CONTROL**

#### **200.01 Work Zone Traffic Control**

Traffic Control shall be in accordance with the applicable guidelines contained in the Illinois Manual on Uniform Traffic Control Devices for Streets and Highways, any special details and the highway standards.

This work shall be in accordance with section 701 of the Standard Specifications for Road and Bridge Construction, latest edition, and the Supplemental Specifications and Recurring Special Provisions, latest edition.

This work shall consist of furnishing, installation, maintenance, relocation and removal of all traffic devices used for the purpose of regulating, warning, or directing traffic during the construction or maintenance of this improvement. The contractor shall ensure that all applicable traffic control devices installed are operational 24 hours a day, including Sunday and Holidays.

Work shall not begin until the Municipal Engineer/Director of Public Works, or their designated representative has determined the traffic control meet the quality requirements.

At the pre-construction meeting, the contractor shall furnish the name and phone number of the individual in the contractor's direct employ who is responsible for the installation and maintenance of the traffic control for the project. The contractor shall be required to respond to any call from the City concerning any request for improving or correcting traffic control devices and begin making the requested corrections within two (2) hours from the time of notification. The City will provide the contractor the name and phone number of its representative who will be responsible for the administration of the traffic control.

The governing factor in the execution and staging of the work for this project is to provide the motoring public with the safest possible travel conditions along the roadway through this construction zone. The contractor shall so arrange their operations as to keep the closing of any lane of the roadway to a minimum.

**This item shall be considered incidental to the cost of construction.**



## SECTION 300

### SITE WORK

#### **300.01 Protection of Trees**

Every effort shall be made by the Contractor when working near trees and shrubs to preserve same from harm. No trees or shrubs shall be removed unless so indicated on the Plans or as authorized in the field by the Engineer or his designated representative. The Contractor shall be responsible for damage to or loss of any tree or shrub not specifically designated to be removed.

Wherever trees that are not permitted to be removed interfere with normal excavation procedures, the following shall govern. No machine excavation shall be made within a distance of three trunk diameters or 12 inches (whichever is greater) of any tree, and no roots over 2 inches in diameter shall be cut unless, in the opinion of the Engineer or his designated representative, it is impossible to complete the work without cutting. Excavation closer than three trunk diameter or 12 inches (whichever is greater) from any tree shall be made by hand, and the tree shall be tunneled where necessary as determined by the Engineer.

Damage to tree limbs shall be held to a minimum. Shrubs and tree limbs shall be tied back by the Contractor, wherever necessary to prevent their loss or damage. Wherever damage by construction equipment to limbs and branches are unavoidable, they shall be pruned by the Contractor, before starting work and sealed in accordance with best forestry practice.

Wherever necessary, the Contractor shall provide plank wrappers wired in place to protect tree trunks from being damaged by trench machinery, tractors, or trucks. Protective planking shall be removed as soon as practical after the work in the vicinity has been completed. In removing spoil banks from around trees, hand work will be required as necessary to prevent damage to the trunks by construction machinery.

Small trees (less than 4 inches in diameter) and shrubs that are removed or severely damaged during construction shall be replaced in kind and size by the Contractor. Trees larger than 1 inch in diameter shall be furnished balled and burlapped. The Contractor shall have the option of removing and replanting existing small trees and shrubs in the construction zone in lieu of replacement from new stock. All plantings shall be thoroughly watered at the time of planting and thereafter as required. All trees and shrubs planted or replanted by the Contractor that do not survive in good condition for a period of 18 months after the time of planting shall be removed and replaced by the Contractor.

Damages at the rate of one hundred dollars (\$100.00) per inch of trunk diameter shall be charged against the Contractor for unauthorized removal or destruction of any tree 4 inches in diameter or larger. No penalty will apply for removal of trees where removal is indicated on the Plans or authorized by the Engineer or his designated representative.

No pruning of tree limbs or branches will be allowed without the written permission from the Owner. If pruning is necessary and approved an approved licensed landscape contractor will do it, if the Owner deems it is necessary. The Contractor shall contact the Owner at least 24 hours prior to his need to prune. The Contractor shall have available for use a small type backhoe (wheel tractor, 4-wheel combination loader front backhoe) for excavation around trees and utilities. The Contractor shall use the smaller equipment in tight areas of construction if so directed by the Engineer or his designated representative.

### **300.02 Protection of Existing Facilities**

Where service lines, utilities, walks, existing structures, or other existing facilities are endangered by excavations, the Contractor shall provide and erect all timber work, shoring, bracing and ties, sheet piling, and all similar work necessary to retain banks of excavation, prevent cave-in of adjacent ground, and support and prevent displacement of underground utilities and structures.

### **300.03 Surface Restoration**

#### **A. Rough Grading**

The entire length of the sewer and water mains shall be compacted as previously specified. After the ditch has ceased to settle, all portions of the ditch lying on maintained parkways shall be rough graded reasonably smooth and free of irregular surface changes. The degree of finish shall be that ordinarily obtainable from either blade grader or scraper operations, except as otherwise specified. All ditches, swales, and gutters shall be finished to drain readily.

#### **B. Landscape Materials**

##### **1. Topsoil Placement**

Placement of topsoil shall comply with the provisions of the State Specifications, except as provided herein. After the Engineer or his designated representative has approved rough grading, topsoil shall be uniformly spread over all areas to be seeded at a minimum depth of 3 inches. The Contractor shall be required to roll areas prior to seeding. The topsoil shall be graded flush with walk surfaces, curbs, and paving and shall be sloped accurately and smoothly in accordance with contours indicated on the Plans.

##### **2. Seeding and Mulching**

Seeding shall conform to the State Specifications for Class I Seeding, except as modified herein. Seeding shall be done during the seasons, which are normal for such work as determined by weather conditions. Seed shall be

fresh, clean, new crop seed and shall be free of all weeds, seeds classed as primary noxious weed seeds in existing Illinois seed law.

All plant areas shall be seeded with a mixture by weight of 75% Kentucky Blue Grass and 25% Redtop or Creeping Red Fescue. The mixture shall be evenly applied at the rate specified for Class I Seeding Mixture in said Specifications.

Area to be seeded shall be fertilized with a 10-6-4 mixture applied at the rate of 20 pounds per 1000 square feet at the time of seeding. All slopes steeper than 3 horizontal to 1 vertical shall be straw mulched in accordance with the State Standards.

Mulching shall be required in seeded area within 24 hours from time of seeding. Mulching shall be in accordance with the State Specifications. Use of straw mulch on all seeded areas unless otherwise approved or specified. Upon approval of the Engineer, fragmented mulch may be substituted for straw mulch.

Unless otherwise specified, use jute mat mulch on sides, bottoms, and areas within 10 feet of ditches and swales.

**This item shall be paid for at the contract unit price per SQUARE YARD.**

#### **300.04 Protection of Work**

Surplus excavated material not needed for backfill shall be promptly removed from the site to locations provided by the Contractor. The cost of removal and disposal of all unsuitable excavated material including pavement and surplus material shall be incidental to the contract price. The waste excavated material shall not be deposited on public or private property unless the Contractor first obtains the written permission from the property owner or the authorized representative of the appropriate public agency.

#### **300.05 Cleanup**

At the time of final inspection of work, but before acceptance, the Contractor will clean by sweeping and/or washing all paved areas affected by construction leaving them in a clean condition free of defacement or strains. All debris, rubbish, excess materials, tools, and equipment will be removed from the landscaped area.

#### **300.06 Guaranty**

In addition to the guarantees specified in the General Conditions, the Contractor shall provide a guaranty from the planting contractor and countersigned by the general contractor that the work shall be true to name and size and in a vigorous growing condition.

All shrubs and trees shall be guaranteed for one growing cycle including one summer and

one winter season, where applicable.

The Contractor shall guarantee the City of Zion that the seeding completed on this project will germinate and produce a full crop of grass in all excavated or disturbed areas in areas directed by the Director of Public Works. If said seeding does not take on whole or on part of this project, then the Contractor shall re-seed those areas as determined by the Director of Public Works. The cost of Seeding Guarantee shall be considered incidental to the cost of construction and no other payment shall be made.

All necessary replacements of plants shall be made at the first succeeding planting season. Any work damaged during the replacement operations shall be restored and all paved and sidewalk areas cleaned.

## Lake County Prevailing Wage for July 2015

(See explanation of column headings at bottom of wages)

Trade Name	RG	TYP	C	Base	FRMAN	M-F>8	OSA	OSH	H/W	Pensn	Vac	Trng
=====	==	====	=	=====	=====	=====	====	====	=====	=====	=====	=====
ASBESTOS ABT-GEN	ALL			39.400	39.950	1.5	1.5	2.0	13.98	10.72	0.000	0.500
ASBESTOS ABT-MEC	BLD			36.340	38.840	1.5	1.5	2.0	11.47	10.96	0.000	0.720
BOILERMAKER	BLD			47.070	51.300	2.0	2.0	2.0	6.970	18.13	0.000	0.400
BRICK MASON	BLD			43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
CARPENTER	ALL			44.350	46.350	1.5	1.5	2.0	11.79	16.39	0.000	0.630
CEMENT MASON	ALL			42.050	44.050	2.0	1.5	2.0	10.00	19.24	0.000	0.500
CERAMIC TILE FNSHER	BLD			36.810	0.000	1.5	1.5	2.0	10.55	9.230	0.000	0.770
COMMUNICATION TECH	BLD			35.130	37.230	1.5	1.5	2.0	11.07	11.77	0.000	0.530
ELECTRIC PWR EQMT OP	ALL			0.000	0.000	0.0	0.0	0.0	0.000	0.000	0.000	0.000
ELECTRIC PWR EQMT OP	HWY			39.220	53.290	1.5	1.5	2.0	5.000	12.17	0.000	0.390
ELECTRIC PWR GRNDMAN	ALL			30.330	53.290	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR GRNDMAN	HWY			30.330	53.290	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR LINEMAN	ALL			45.360	51.480	1.5	1.5	2.0	5.000	14.06	0.000	0.450
ELECTRIC PWR LINEMAN	HWY			46.950	53.290	1.5	1.5	2.0	5.000	14.56	0.000	0.470
ELECTRIC PWR TRK DRV	ALL			30.340	51.480	1.5	1.5	2.0	5.000	9.400	0.000	0.300
ELECTRIC PWR TRK DRV	HWY			31.400	53.290	1.5	1.5	2.0	5.000	9.730	0.000	0.310
ELECTRICIAN	BLD			39.400	43.340	1.5	1.5	2.0	13.59	15.71	0.000	0.640
ELEVATOR CONSTRUCTOR	BLD			50.800	57.150	2.0	2.0	2.0	13.57	14.21	4.060	0.600
FENCE ERECTOR	ALL			37.340	39.340	1.5	1.5	2.0	13.05	12.06	0.000	0.300
GLAZIER	BLD			40.500	42.000	1.5	2.0	2.0	13.14	16.99	0.000	0.940
HT/FROST INSULATOR	BLD			48.450	50.950	1.5	1.5	2.0	11.47	12.16	0.000	0.720
IRON WORKER	ALL			44.200	46.200	2.0	2.0	2.0	13.65	21.14	0.000	0.350
LABORER	ALL			39.200	39.950	1.5	1.5	2.0	13.98	10.72	0.000	0.500
LATHER	ALL			44.350	46.350	1.5	1.5	2.0	11.79	16.39	0.000	0.630
MACHINIST	BLD			45.350	47.850	1.5	1.5	2.0	7.260	8.950	1.850	0.000
MARBLE FINISHERS	ALL			32.400	34.320	1.5	1.5	2.0	10.05	13.75	0.000	0.620
MARBLE MASON	BLD			43.030	47.330	1.5	1.5	2.0	10.05	14.10	0.000	0.780
MATERIAL TESTER I	ALL			29.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000	0.500
MATERIALS TESTER II	ALL			34.200	0.000	1.5	1.5	2.0	13.98	10.72	0.000	0.500
MILLWRIGHT	ALL			44.350	46.350	1.5	1.5	2.0	11.79	16.39	0.000	0.630
OPERATING ENGINEER	BLD 1			48.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250

OPERATING ENGINEER	BLD 2	46.800	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 3	44.250	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 4	42.500	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 5	51.850	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 6	49.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	BLD 7	51.100	52.100	2.0	2.0	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	FLT 1	53.600	53.600	1.5	1.5	2.0	17.10	11.80	1.900	1.250
OPERATING ENGINEER	FLT 2	52.100	53.600	1.5	1.5	2.0	17.10	11.80	1.900	1.250
OPERATING ENGINEER	FLT 3	46.400	53.600	1.5	1.5	2.0	17.10	11.80	1.900	1.250
OPERATING ENGINEER	FLT 4	38.550	53.600	1.5	1.5	2.0	17.10	11.80	1.900	1.250
OPERATING ENGINEER	FLT 5	55.100	53.600	1.5	1.5	2.0	17.10	11.80	1.900	1.250
OPERATING ENGINEER	FLT 6	35.000	35.000	1.5	1.5	2.0	16.60	11.05	1.900	1.250
OPERATING ENGINEER	HWY 1	46.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 2	45.750	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 3	43.700	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 4	42.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 5	41.100	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 6	49.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
OPERATING ENGINEER	HWY 7	47.300	50.300	1.5	1.5	2.0	17.55	12.65	1.900	1.250
ORNAMNTL IRON WORKER	ALL	45.000	47.500	2.0	2.0	2.0	13.55	17.94	0.000	0.650
PAINTER	ALL	41.750	46.500	1.5	1.5	1.5	11.50	11.10	0.000	0.770
PAINTER SIGNS	BLD	33.920	38.090	1.5	1.5	1.5	2.600	2.710	0.000	0.000
FILEDRIVER	ALL	44.350	46.350	1.5	1.5	2.0	11.79	16.39	0.000	0.630
PIPEFITTER	BLD	46.000	49.000	1.5	1.5	2.0	9.000	15.85	0.000	1.780
PLASTERER	BLD	43.430	46.040	1.5	1.5	2.0	13.05	14.43	0.000	1.020
PLUMBER	BLD	46.650	48.650	1.5	1.5	2.0	13.18	11.46	0.000	0.880
ROOFER	BLD	41.000	44.000	1.5	1.5	2.0	8.280	10.54	0.000	0.530
SHEETMETAL WORKER	BLD	42.230	45.610	1.5	1.5	2.0	10.53	20.68	0.000	0.720
SIGN HANGER	BLD	31.310	33.810	1.5	1.5	2.0	4.850	3.280	0.000	0.000
SPRINKLER FITTER	BLD	49.200	51.200	1.5	1.5	2.0	11.75	9.650	0.000	0.550
STEEL ERECTOR	ALL	42.070	44.070	2.0	2.0	2.0	13.45	19.59	0.000	0.350
STONE MASON	BLD	43.780	48.160	1.5	1.5	2.0	10.05	14.43	0.000	1.030
SURVEY WORKER	NOT IN EFFECT	ALL	37.000	37.750	1.5	1.5	2.0	12.97	9.930	0.000 0.500
TERRAZZO FINISHER	BLD	38.040	0.000	1.5	1.5	2.0	10.55	11.22	0.000	0.720
TERRAZZO MASON	BLD	41.880	44.880	1.5	1.5	2.0	10.55	12.51	0.000	0.940
TILE MASON	BLD	43.840	47.840	1.5	1.5	2.0	10.55	11.40	0.000	0.990
TRAFFIC SAFETY WRKR	HWY	32.750	34.350	1.5	1.5	2.0	6.550	6.450	0.000	0.500
TRUCK DRIVER	ALL 1	36.560	36.760	1.5	1.5	2.0	9.070	7.050	0.000	0.000

TRUCK DRIVER	ALL 2	36.000	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TRUCK DRIVER	ALL 3	36.200	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TRUCK DRIVER	ALL 4	36.400	36.400	1.5	1.5	2.0	7.200	6.000	0.000	0.150
TUCKPOINTER	BLD	43.800	44.800	1.5	1.5	2.0	8.280	13.49	0.000	0.670

Legend: RG (Region)

TYP (Trade Type - All, Highway, Building, Floating, Oil & Chip, Rivers)

C (Class)

Base (Base Wage Rate)

FRMAN (Foreman Rate)

M-F>8 (OT required for any hour greater than 8 worked each day, Mon through Fri.)

OSA (Overtime (OT) is required for every hour worked on Saturday)

OSH (Overtime is required for every hour worked on Sunday and Holidays)

H/W (Health & Welfare Insurance)

Pensn (Pension)

Vac (Vacation)

Trng (Training)

## **Explanations**

### **LAKE COUNTY**

The following list is considered as those days for which holiday rates of wages for work performed apply: New Years Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day and Veterans Day in some classifications/counties. Generally, any of these holidays which fall on a Sunday is celebrated on the following Monday. This then makes work performed on that Monday payable at the appropriate overtime rate for holiday pay. Common practice in a given local may alter certain days of celebration. If in doubt, please



check with IDOL.

#### EXPLANATION OF CLASSES

ASBESTOS - GENERAL - removal of asbestos material/mold and hazardous materials from any place in a building, including mechanical systems where those mechanical systems are to be removed. This includes the removal of asbestos materials/mold and hazardous materials from ductwork or pipes in a building when the building is to be demolished at the time or at some close future date.

ASBESTOS - MECHANICAL - removal of asbestos material from mechanical systems, such as pipes, ducts, and boilers, where the mechanical systems are to remain.

#### CERAMIC TILE FINISHER

The grouting, cleaning, and polishing of all classes of tile, whether for interior or exterior purposes, all burned, glazed or unglazed products; all composition materials, granite tiles, warning detectable tiles, cement tiles, epoxy composite materials, pavers, glass, mosaics, fiberglass, and all substitute materials, for tile made in tile-like units; all mixtures in tile like form of cement, metals, and other materials that are for and intended for use as a finished floor surface, stair treads, promenade roofs, walks, walls, ceilings, swimming pools, and all other places where tile is to form a finished interior or exterior. The mixing of all setting mortars including but not limited to thin-set mortars, epoxies, wall mud, and any other sand and cement mixtures or adhesives when used in the preparation, installation, repair, or maintenance of tile and/or similar materials. The handling and unloading of all sand, cement, lime, tile, fixtures, equipment, adhesives, or any other materials to be used in the preparation, installation, repair, or maintenance of tile and/or similar materials. Ceramic Tile Finishers shall fill all joints and voids regardless of method on all tile work, particularly and especially after installation of said tile work. Application of any and all protective coverings to all types of tile installations

including, but not be limited to, all soap compounds, paper products, tapes, and all polyethylene coverings, plywood, masonite, cardboard, and any new type of products that may be used to protect tile installations, Blastrac equipment, and all floor scarifying equipment used in preparing floors to receive tile. The clean up and removal of all waste and materials. All demolition of existing tile floors and walls to be re-tiled.

#### COMMUNICATION TECHNICIAN

Low voltage construction, installation, maintenance and removal of telecommunication facilities (voice, sound, data and video) including outside plant, telephone, security systems and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, micro waves, V-SAT, bypass, CATV, WAN (wide area network), LAN (local area networks), and ISDN (integrated system digital network), pulling of wire in raceways, but not the installation of raceways.

#### MARBLE FINISHER

Loading and unloading trucks, distribution of all materials (all stone, sand, etc.), stocking of floors with material, performing all rigging for heavy work, the handling of all material that may be needed for the installation of such materials, building of scaffolding, polishing if needed, patching, waxing of material if damaged, pointing up, caulking, grouting and cleaning of marble, holding water on diamond or Carborundum blade or saw for setters cutting, use of tub saw or any other saw needed for preparation of material, drilling of holes for wires that anchor material set by setters, mixing up of molding plaster for installation of material, mixing up thin set for the installation of material, mixing up of sand to cement for the installation of material and such other work as may be required in helping a Marble Setter in the handling of all material in the erection or installation of interior marble, slate, travertine, art marble, serpentine, alberene stone, blue stone, granite and other stones (meaning as to stone any foreign or domestic materials as are specified and used in building interiors and

exteriors and customarily known as stone in the trade), carrara, sanionyx, vitrolite and similar opaque glass and the laying of all marble tile, terrazzo tile, slate tile and precast tile, steps, risers treads, base, or any other materials that may be used as substitutes for any of the aforementioned materials and which are used on interior and exterior which are installed in a similar manner.

MATERIAL TESTER I: Hand coring and drilling for testing of materials; field inspection of uncured concrete and asphalt.

MATERIAL TESTER II: Field inspection of welds, structural steel, fireproofing, masonry, soil, facade, reinforcing steel, formwork, cured concrete, and concrete and asphalt batch plants; adjusting proportions of bituminous mixtures.

#### OPERATING ENGINEER - BUILDING

Class 1. Asphalt Plant; Asphalt Spreader; Autograde; Backhoes with Caisson Attachment; Batch Plant; Benoto (requires Two Engineers); Boiler and Throttle Valve; Caisson Rigs; Central Redi-Mix Plant; Combination Back Hoe Front End-loader Machine; Compressor and Throttle Valve; Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Conveyor (Truck Mounted); Concrete Paver Over 27E cu. ft; Concrete Paver 27E cu. ft. and Under; Concrete Placer; Concrete Placing Boom; Concrete Pump (Truck Mounted); Concrete Tower; Cranes, All; Cranes, Hammerhead; Cranes, (GCI and similar Type); Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derricks, Traveling; Formless Curb and Gutter Machine; Grader, Elevating; Grouting Machines; Heavy Duty Self-Propelled Transporter or Prime Mover; Highlift Shovels or Front Endloader 2-1/4 yd. and over; Hoists, Elevators, outside type rack and pinion and similar machines; Hoists, One, Two and Three Drum; Hoists, Two Tugger One Floor; Hydraulic Backhoes; Hydraulic Boom Trucks; Hydro Vac (and similar equipment); Locomotives, All; Motor Patrol; Lubrication Technician; Manipulators; Pile Drivers and Skid Rig; Post Hole Digger; Pre-Stress Machine; Pump Cretes Dual Ram; Pump Cretes: Squeeze Cretes-Screw Type Pumps; Gypsum Bulker and Pump; Raised and Blind Hole Drill; Roto Mill Grinder;

Scoops - Tractor Drawn; Slip-Form Paver; Straddle Buggies; Operation of Tie Back Machine; Tournapull; Tractor with Boom and Side Boom; Trenching Machines.

Class 2. Boilers; Broom, All Power Propelled; Bulldozers; Concrete Mixer (Two Bag and Over); Conveyor, Portable; Forklift Trucks; Highlift Shovels or Front Endloaders under 2-1/4 yd.; Hoists, Automatic; Hoists, Inside Elevators; Hoists, Sewer Dragging Machine; Hoists, Tugger Single Drum; Laser Screed; Rock Drill (Self-Propelled); Rock Drill (Truck Mounted); Rollers, All; Steam Generators; Tractors, All; Tractor Drawn Vibratory Roller; Winch Trucks with "A" Frame.

Class 3. Air Compressor; Combination Small Equipment Operator; Generators; Heaters, Mechanical; Hoists, Inside Elevators (remodeling or renovation work); Hydraulic Power Units (Pile Driving, Extracting, and Drilling); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Low Boys; Pumps, Well Points; Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 4. Bobcats and/or other Skid Steer Loaders; Oilers; and Brick Forklift.

Class 5. Assistant Craft Foreman.

Class 6. Gradall.

Class 7. Mechanics; Welders.

#### OPERATING ENGINEERS - HIGHWAY CONSTRUCTION

Class 1. Asphalt Plant; Asphalt Heater and Planer Combination; Asphalt Heater Scarfire; Asphalt Spreader; Autograder/GOMACO or other similar type machines; ABG Paver; Backhoes with Caisson Attachment; Ballast Regulator; Belt Loader; Caisson Rigs; Car Dumper; Central Redi-Mix Plant; Combination Backhoe Front Endloader Machine, (1 cu. yd. Backhoe Bucket or over or with attachments); Concrete Breaker (Truck Mounted); Concrete Conveyor; Concrete Paver over 27E cu. ft.; Concrete

Placer; Concrete Tube Float; Cranes, all attachments; Cranes, Tower Cranes of all types: Creter Crane; Spider Crane; Crusher, Stone, etc.; Derricks, All; Derrick Boats; Derricks, Traveling; Dredges; Elevators, Outside type Rack & Pinion and Similar Machines; Formless Curb and Gutter Machine; Grader, Elevating; Grader, Motor Grader, Motor Patrol, Auto Patrol, Form Grader, Pull Grader, Subgrader; Guard Rail Post Driver Truck Mounted; Hoists, One, Two and Three Drum; Heavy Duty Self-Propelled Transporter or Prime Mover; Hydraulic Backhoes; Backhoes with shear attachments up to 40' of boom reach; Lubrication Technician; Manipulators; Mucking Machine; Pile Drivers and Skid Rig; Pre-Stress Machine; Pump Cretes Dual Ram; Rock Drill - Crawler or Skid Rig; Rock Drill - Truck Mounted; Rock/Track Tamper; Roto Mill Grinder; Slip-Form Paver; Snow Melters; Soil Test Drill Rig (Truck Mounted); Straddle Buggies; Hydraulic Telescoping Form (Tunnel); Operation of Tieback Machine; Tractor Drawn Belt Loader; Tractor Drawn Belt Loader (with attached pusher - two engineers); Tractor with Boom; Tractaire with Attachments; Traffic Barrier Transfer Machine; Trenching; Truck Mounted Concrete Pump with Boom; Raised or Blind Hole Drills (Tunnel Shaft); Underground Boring and/or Mining Machines 5 ft. in diameter and over tunnel, etc; Underground Boring and/or Mining Machines under 5 ft. in diameter; Wheel Excavator; Widener (APSCO).

Class 2. Batch Plant; Bituminous Mixer; Boiler and Throttle Valve; Bulldozers; Car Loader Trailing Conveyors; Combination Backhoe Front Endloader Machine (Less than 1 cu. yd. Backhoe Bucket or over or with attachments); Compressor and Throttle Valve; Compressor, Common Receiver (3); Concrete Breaker or Hydro Hammer; Concrete Grinding Machine; Concrete Mixer or Paver 7S Series to and including 27 cu. ft.; Concrete Spreader; Concrete Curing Machine, Burlap Machine, Belting Machine and Sealing Machine; Concrete Wheel Saw; Conveyor Muck Cars (Haglund or Similar Type); Drills, All; Finishing Machine - Concrete; Highlift Shovels or Front Endloader; Hoist - Sewer Dragging Machine; Hydraulic Boom Trucks (All Attachments); Hydro-Blaster; Hydro Excavating (excluding hose work); Laser Screed; All Locomotives, Dinky; Off-Road Hauling Units (including articulating) Non Self-Loading Ejection Dump; Pump Cretes: Squeeze Cretes - Screw Type Pumps, Gypsum Bulker and Pump; Roller, Asphalt; Rotary Snow Plows; Rototiller, Seaman, etc., self-propelled; Self-Propelled Compactor;

Spreader - Chip - Stone, etc.; Scraper - Single/Twin Engine/Push and Pull; Scraper - Prime Mover in Tandem (Regardless of Size); Tractors pulling attachments, Sheeps Foot, Disc, Compactor, etc.; Tug Boats.

Class 3. Boilers; Brooms, All Power Propelled; Cement Supply Tender; Compressor, Common Receiver (2); Concrete Mixer (Two Bag and Over); Conveyor, Portable; Farm-Type Tractors Used for Mowing, Seeding, etc.; Forklift Trucks; Grouting Machine; Hoists, Automatic; Hoists, All Elevators; Hoists, Tugger Single Drum; Jeep Diggers; Low Boys; Pipe Jacking Machines; Post-Hole Digger; Power Saw, Concrete Power Driven; Pug Mills; Rollers, other than Asphalt; Seed and Straw Blower; Steam Generators; Stump Machine; Winch Trucks with "A" Frame; Work Boats; Tamper-Form-Motor Driven.

Class 4. Air Compressor; Combination - Small Equipment Operator; Directional Boring Machine; Generators; Heaters, Mechanical; Hydraulic Power Unit (Pile Driving, Extracting, or Drilling); Light Plants, All (1 through 5); Pumps, over 3" (1 to 3 not to exceed a total of 300 ft.); Pumps, Well Points; Vacuum Trucks (excluding hose work); Welding Machines (2 through 5); Winches, 4 Small Electric Drill Winches.

Class 5. SkidSteer Loader (all); Brick Forklifts; Oilers.

Class 6. Field Mechanics and Field Welders

Class 7. Dowell Machine with Air Compressor; Gradall and machines of like nature.

#### OPERATING ENGINEER - FLOATING

Class 1. Craft Foreman; Master Mechanic; Diver/Wet Tender; Engineer; Engineer (Hydraulic Dredge).

Class 2. Crane/Backhoe Operator; Boat Operator with towing endorsement; Mechanic/Welder; Assistant Engineer (Hydraulic Dredge); Leverman (Hydraulic Dredge); Diver Tender.

Class 3. Deck Equipment Operator, Machineryman, Maintenance of Crane

(over 50 ton capacity) or Backhoe (115,000 lbs. or more); Tug/Launch Operator; Loader/Dozer and like equipment on Barge, Breakwater Wall, Slip/Dock, or Scow, Deck Machinery, etc.

Class 4. Deck Equipment Operator, Machineryman/Fireman (4 Equipment Units or More); Off Road Trucks; Deck Hand, Tug Engineer, Crane Maintenance (50 Ton Capacity and Under) or Backhoe Weighing (115,000 pounds or less); Assistant Tug Operator.

Class 5. Friction or Lattice Boom Cranes.

Class 6. ROV Pilot, ROV Tender

SURVEY WORKER - Operated survey equipment including data collectors, G.P.S. and robotic instruments, as well as conventional levels and transits.

TRAFFIC SAFETY - work associated with barricades, horses and drums used to reduce lane usage on highway work, the installation and removal of temporary lane markings, and the installation and removal of temporary road signs.

TRUCK DRIVER - BUILDING, HEAVY AND HIGHWAY CONSTRUCTION

Class 1. Two or three Axle Trucks. A-frame Truck when used for transportation purposes; Air Compressors and Welding Machines, including those pulled by cars, pick-up trucks and tractors; Ambulances; Batch Gate Lockers; Batch Hopperman; Car and Truck Washers; Carry-alls; Fork Lifts and Hoisters; Helpers; Mechanics Helpers and Greasers; Oil Distributors 2-man operation; Pavement Breakers; Pole Trailer, up to 40 feet; Power Mower Tractors; Self-propelled Chip Spreader; Skipman; Slurry Trucks, 2-man operation; Slurry Truck Conveyor Operation, 2 or 3 man; Teamsters; Unskilled Dumpman; and Truck Drivers hauling warning lights, barricades, and portable toilets on the job site.

Class 2. Four axle trucks; Dump Crets and Adgetors under 7 yards; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnapulls or

Turnatrailers when pulling other than self-loading equipment or similar equipment under 16 cubic yards; Mixer Trucks under 7 yards; Ready-mix Plant Hopper Operator, and Winch Trucks, 2 Axles.

Class 3. Five axle trucks; Dump Crets and Adgetors 7 yards and over; Dumpsters, Track Trucks, Euclids, Hug Bottom Dump Turnatrailers or turnapulls when pulling other than self-loading equipment or similar equipment over 16 cubic yards; Explosives and/or Fission Material Trucks; Mixer Trucks 7 yards or over; Mobile Cranes while in transit; Oil Distributors, 1-man operation; Pole Trailer, over 40 feet; Pole and Expandable Trailers hauling material over 50 feet long; Slurry trucks, 1-man operation; Winch trucks, 3 axles or more; Mechanic--Truck Welder and Truck Painter.

Class 4. Six axle trucks; Dual-purpose vehicles, such as mounted crane trucks with hoist and accessories; Foreman; Master Mechanic; Self-loading equipment like P.B. and trucks with scoops on the front.

#### TERRAZZO FINISHER

The handling of sand, cement, marble chips, and all other materials that may be used by the Mosaic Terrazzo Mechanic, and the mixing, grinding, grouting, cleaning and sealing of all Marble, Mosaic, and Terrazzo work, floors, base, stairs, and wainscoting by hand or machine, and in addition, assisting and aiding Marble, Masonic, and Terrazzo Mechanics.

#### Other Classifications of Work:

For definitions of classifications not otherwise set out, the Department generally has on file such definitions which are available. If a task to be performed is not subject to one of the classifications of pay set out, the Department will upon being contacted state which neighboring county has such a classification and provide such rate, such rate being deemed to exist by reference in this document. If no neighboring county rate applies to the task, the Department shall undertake a special determination, such special



determination being then deemed to have existed under this determination. If a project requires these, or any classification not listed, please contact IDOL at 217-782-1710 for wage rates or clarifications.

#### LANDSCAPING

Landscaping work falls under the existing classifications for laborer, operating engineer and truck driver. The work performed by landscape plantsman and landscape laborer is covered by the existing classification of laborer. The work performed by landscape operators (regardless of equipment used or its size) is covered by the classifications of operating engineer. The work performed by landscape truck drivers (regardless of size of truck driven) is covered by the classifications of truck driver.

#### MATERIAL TESTER & MATERIAL TESTER/INSPECTOR I AND II

Notwithstanding the difference in the classification title, the classification entitled "Material Tester I" involves the same job duties as the classification entitled "Material Tester/Inspector I". Likewise, the classification entitled "Material Tester II" involves the same job duties as the classification entitled "Material Tester/Inspector II".