

85356

GENERAL NOTES

- CONTRACTOR SHALL NOTIFY CITY OF BELVIDERE AND OWNERS REPRESENTATIVE 48 HOURS PRIOR TO START OF CONSTRUCTION AND 48 HOURS PRIOR TO REQUEST FOR FINAL INSPECTION. OWNERS REPRESENTATIVE SHALL BE NOTIFIED 24 HOURS IN ADVANCE OF RESUMING WORK AFTER STOPPAGE AND BEFORE ANY PAVING OR CONCRETE WORK. PAVING, WALKS OR CURB INSTALLED WITHOUT OWNER REPRESENTATIVE APPROVAL OF SUBGRADE, BASE COURSE, FORMS OR STRING LINES MAY BE REJECTED FOR PAYMENT.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF BELVIDERE, IEPA AND IDOT STANDARD SPECIFICATIONS AND REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE TO EXISTING FACILITIES RESULTING FROM THE PERFORMANCE OF WORK UNDER THIS CONTRACT. CONTRACTOR SHALL CARRY LIABILITY INSURANCE NAMING CITY AND ENGINEER AS ADDITIONAL INSUREDS. MINIMUM INSURANCE COVERAGE SHALL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL PREPARE AND SUBMIT NOTICE OF INTENT FOR EROSION AND STORM WATER CONTROL. ALL WORK SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL - GOVERNING EROSION AND SEDIMENT CONTROL AND THESE CONTRACT DOCUMENTS. NOI SHALL BE SUBMITTED TO THE CITY. COST OF THIS WORK IS INCIDENTAL.
 - PROVIDE TEMPORARY CONSTRUCTION ENTRANCE AT EACH END OF PROJECT AND ALL CONSTRUCTION ACCESS POINTS.
 - PROVIDE INLET PROTECTION AT ALL STORM INLETS.
- CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO START OF CONSTRUCTION. CONTRACTOR RESPONSIBLE FOR UTILITY RELOCATIONS REQUIRED BY THE WORK IN THIS CONTRACT. CONTACT JULIE AT 1-800-892-0123
- PROVIDE COMPACTED TRENCH BACKFILL WHERE TRENCH EXCAVATION IS UNDER PAVEMENTS, STRUCTURES, AND OTHER PIPES.
- CONTRACTOR SHALL CLEAN SITE AND REMOVE ALL EXCESS MATERIAL AND DEBRIS. FINAL PAYMENT WILL BE WITHHELD UNTIL SITE CLEAN UP IS ACCEPTED BY THE CITY.
- ALL SANITARY AND WATER MATERIALS SHALL BE APPROVED BY THE CITY OF BELVIDERE PUBLIC WORKS DEPARTMENT AND THE CITY OF BELVIDERE WATER DIVISION PRIOR TO INSTALLATION.
- ALL TRENCHING SHALL CONFORM TO OSHA STANDARDS.
- DURING THE COURSE OF CONSTRUCTION, ANY DAMAGE TO EXISTING STORM SEWERS, WATERMANS OR SANITARY SEWERS CAUSED BY THE CONTRACTOR FOR CONVENIENCE OR THROUGH CARELESSNESS SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO EXCAVATE FAR ENOUGH IN ADVANCE OF THE PIPE LAYING OPERATION TO AVOID ANY UNNECESSARY DEFLECTIONS. IF THE CONTRACTOR HAS TO RELAY ANY PIPE BECAUSE HE LAID TOO CLOSE TO AN OBSTRUCTION, IT WILL BE DONE AT HIS EXPENSE.
- SAW CUTTING SHALL CONSIST OF SAWING EXISTING PAVEMENTS TO SUCH A DEPTH THAT WHEN THE PAVEMENT IS REMOVED A CLEAN, NEAT EDGE WILL RESULT WITH NO SPALLING OF THE REMAINING PAVEMENT. SAW CUTTING SHALL BE PERFORMED AT ALL LOCATIONS WHERE PAVEMENT IS REMOVED AND WILL BE REPLACED. THIS ITEM SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO FURTHER COMPENSATION WILL BE ALLOWED.
- THE CONTRACTOR, AT HIS OWN EXPENSE, SHALL RELOCATE AND REPLACE TO THE SATISFACTION OF THE ENGINEER, ALL STREET SIGNS IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL EXISTING PROPERTY MARKERS UNTIL AN AUTHORIZED SURVEYOR HAS REFERENCED THEIR LOCATION. PROPERTY MARKERS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR, IN ACCORDANCE WITH ARTICLE 107.20.
- ALL MANHOLE AND VAULT CASTINGS MUST BE ADJUSTED TO FINAL GRADE IN ACCORDANCE WITH THE CITY OF BELVIDERE SPECIFICATIONS. FINAL PAYOUT WILL NOT BE MADE UNTIL THE CITY APPROVES EACH ADJUSTMENT.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PRIVATE PROPERTY IN ACCORDANCE WITH ARTICLE 107.20. MAILBOXES SHALL BE RELOCATED AND REPLACED IN ACCORDANCE WITH ARTICLE 107.20. THE CONTRACTOR SHALL ALSO GIVE NOTICE TO PROPERTY OWNERS CONCERNING TREE & SHRUB REMOVAL IN ACCORDANCE WITH THIS ARTICLE.
- MAINTAIN SEWER AND WATER SEPARATION IN ACCORDANCE WITH IEPA STANDARDS, 35 IL ADMINISTRATIVE CODE SECTION 653.119. WHERE SEPARATION CAN NOT BE MAINTAINED, SANITARY SEWER SHALL BE CONSTRUCTED WITH WATERMAIN QUALITY PIPE. PROVIDE ASTM C443 FLEXIBLE GASKET JOINTS ON STORM SEWERS WHERE STORM SEWER CROSSES WATERMAIN. ALL OTHER STORM SEWER JOINTS MAY BE MASTIC JOINTS AT THE CONTRACTOR'S CHOICE. NO SEPARATE PAYMENT WILL BE MADE FOR GASKETED JOINTS, WHICH SHALL BE INCIDENTAL TO THE COST OF STORM SEWER CONSTRUCTION.
- PROVIDE EXFILTRATION TESTING OF STORM SEWERS WITHIN 10' HORIZONTAL DISTANCE AND LEVEL OR ABOVE ANY WATERMAIN. EXFILTRATION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 31-1.11B OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS.
- A CITY OF BELVIDERE WATER DEPARTMENT REPRESENTATIVE SHALL ASSIST CONTRACTOR WITH OPERATION OF ALL WATER SYSTEM VALVES AND SHALL BE PRESENT DURING SHUT DOWN OR RECHARGING SECTIONS OF THE SYSTEM. CONTRACTOR SHALL NOTIFY CITY WATER DEPARTMENT AND PROPERTY OWNERS 24 HOURS IN ADVANCE OF ANY SHUTDOWN. ALL SHUTDOWNS AND RECHARGING SHALL BE PERFORMED IN ACCORDANCE WITH CITY OF BELVIDERE AND IEPA REQUIREMENTS. CONTRACTOR SHALL COMPLETE CITY REPORT FORMS PRIOR TO WORK FOR EACH EVENT. COPIES OF FORMS ARE INCLUDED IN SPECIFICATIONS. CONTRACTOR SHALL PERFORM DISINFECTION AND PRESSURE TESTING ON ALL NEW OR REINSTATED SECTIONS OF SYSTEM IN ACCORDANCE WITH CITY AND AWWA (C600 & C651) STANDARDS.
 - ALL NEW WATERMAIN SHALL BE CONSTRUCTED WITH DIP (AWWA C151, CL 52) OR PVC (AWWA C909, SDR 26) PIPE MATERIALS.
 - WATERMAIN CASING INSTALLED BY HAND TUNNELING FOR TREE PROTECTION OR SEWER SEPARATION SHALL BE CASING INSTALLATION DETAIL TYPE B.
- EXISTING BITUMINOUS AND GRAVEL DRIVEWAYS TO BE REPLACED WITH BITUMINOUS SURFACE, EXISTING CONCRETE DRIVEWAYS TO BE REPLACED WITH CONCRETE SURFACE, UNLESS SHOWN OTHERWISE.
- PRECAST STORM INLET STRUCTURES ARE NOT ALLOWED ON THIS PROJECT, EXCEPT THAT PRECAST BOTTOMS AND SPECIAL INLET TOPS MAY BE USED. ALL STRUCTURE WALLS SHALL BE CONSTRUCTED OF BLOCK MATERIALS, UNLESS APPROVED BY ENGINEER.
- THIS PROJECT REQUIRES COMPLETE REPLACEMENT OF THE EXISTING SANITARY SEWER SYSTEM WITHIN THE STREET RIGHT OF WAY. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH IEPA "ILLINOIS STANDARDS FOR SEWAGE WORKS" AND THESE DRAWINGS AND SPECIFICATIONS. CONTRACTOR SHALL MAINTAIN EXISTING SERVICES IN OPERATION AT ALL TIMES, EXCEPT THAT INDIVIDUAL SERVICES MAY BE OUT OF SERVICE WHEN THEY ARE BEING REPAID. THE MAXIMUM OUT OF SERVICE TIME FOR ANY SERVICE IS 4 HOURS AND CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND ENGINEER 24 HOURS IN ADVANCE OF ANY OUTAGE. THE CONTRACTOR SHALL PROVIDE BYPASS PUMPING AS NECESSARY TO MAINTAIN SYSTEM OPERATION. SINCE THE SYSTEM WILL BE RECONSTRUCTED UNDER SERVICE, ACCEPTANCE TESTING SHALL BE TELEVISION ALL MAIN LINES AT LEAST 30 DAYS AFTER INSTALLATION, BUT PRIOR TO FINAL PAVING. ANY PIPE DISPLAYING LEAKING JOINTS OR OUT OF ROUND SHALL BE REPLACED.
 - ALL NEW SANITARY SEWER SHALL BE CONSTRUCTED WITH PVC ASTM D3034, SDR 35 PUSH ON JOINT (ASTM 3212) PIPE, EXCEPT USE PVC AWWA C909, SDR 26 WHERE WATERMAIN QUALITY PIPE IS REQUIRED.
- CONTRACTOR SHALL PROVIDE DUST CONTROL FOR ALL DISTURBED AREAS WITHOUT HARD SURFACE, IN ACCORDANCE WITH 107.36. DUST CONTROL MAY CONSIST OF DAILY WATERING OR CHEMICAL TREATMENT. CONTRACTOR TO RESPOND TO ALL DUST COMPLAINTS WITHIN 4 HOURS. FAILURE TO RESPOND SHALL MAKE CONTRACTOR RESPONSIBLE FOR A DAILY PENALTY EQUAL TO STATED LIQUIDATED DAMAGES. COST OF DUST CONTROL INCIDENTAL TO ALL OTHER BID ITEMS.
- PROVIDE SAFE PEDESTRIAN ACCESS TO ALL PROPERTIES ENTIRE LENGTH OF PROJECT, AT ALL TIMES. IF EXISTING SIDEWALK IS REMOVED MORE THAN 5 DAYS PRIOR TO REPLACEMENT, PROVIDE TEMPORARY COMPACTED GRAVEL PATHS FOR ALL DISTURBED WALKS. COST OF TEMPORARY ACCESS WORK IS INCIDENTAL TO PROJECT BID ITEMS.
- CONTRACTOR SHALL BE AWARE THAT OVERHEAD UTILITIES ARE PRESENT. CONTRACTOR SHALL MAKE PROVISION TO SUPPLY EQUIPMENT AS NECESSARY TO WORK AROUND OVERHEAD OBSTRUCTIONS. NO TIME OR COST CLAIMS WILL BE ACCEPTED FOR DELAYS DUE TO OVERHEAD OBSTRUCTIONS.
- MISCELLANEOUS DITCH GRADING TO CARRY WATER FROM SIDE STREETS TO NEW INLETS IS INCIDENTAL TO EARTH EXCAVATION BID ITEM.

SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNITS	TOTAL	1000	Y080	NON-PARTICIPATING
20200100	EARTH EXCAVATION	CY	9554	6057		3497
20800150	TRENCH BACKFILL	CY	12,873	1916		10,957
21101615	TOPSOIL FURNISH AND PLACE, 4"	SY	7250	4796		2454
21300010	EXPLORATORY TRENCH, SPECIAL	FT	45	0		45
25200100	SODDING	SY	7250	4796		2454
31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CY	700	500		200
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SY	17,415	11,946		5469
35102100	AGGREGATE BASE COURSE, TYPE B 9"	SY	5469	0		5469
35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SY	40	40		0
35500100	BITUMINOUS BASE COURSE 4"	SY	7742	7742		0
35500200	BITUMINOUS BASE COURSE 5"	SY	4374	4374		0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALS	14,321	9397		4924
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SY	333	333		0
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SY	431	376		55
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4"	SF	28,259	17,796		10,463
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6"	SF	4653	3069		1584
44000006	BITUMINOUS SURFACE REMOVAL 1 1/2"	SY	383	383		0
44000200	DRIVEWAY PAVEMENT REMOVAL	SY	1889	1217		672
44000500	COMBINATION CURB AND GUTTER REMOVAL	FT	2303	1734		569
44000600	SIDEWALK REMOVAL	SF	22,499	13,597		8902
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FT	441	366		75
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FT	146	101		45
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FT	434	434		0
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FT	1063	1063		0
550A0140	STORM SEWERS, CLASS A, TYPE 1 30"	FT	922	922		0
56100700	WATER MAIN 8"	FT	4278	0		4278
56400500	FIRE HYDRANT TO BE REMOVED	EA	7	5		2
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EA	10	7		3
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EA	2	2		0
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EA	12	12		0
60242500	INLETS, SPECIAL, NO. 1	EA	4	4		0
60242600	INLETS, SPECIAL, NO. 2	EA	24	16		8
60266910	VALVE BOXES TO BE REMOVED	EA	13	0		13
60300205	FRAME AND GRATES TO BE ADJUSTED (SPECIAL)	EA	20	7		13
60500040	REMOVING MANHOLES	EA	25	16		9
60500060	REMOVING INLETS	EA	7	6		1
60602800	CONCRETE GUTTER, TYPE B	FT	60	60		0
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FT	7615	5333		2282
70101700	TRAFFIC CONTROL AND PROTECTION	LS	1	1		0
72000100	SIGN PANEL-TYPE 1	SF	45	45		0
72900210	METAL POSTS-TYPE B	EA	5	5		0
78000100	THERMOPLASTIC PAVEMENT MARKING-LETTERS & SYMBOLS	SF	42	42		0
78000200	THERMOPLASTIC PAVEMENT MARKING-LINE 4"	FT	3211	1942		1269
78000400	THERMOPLASTIC PAVEMENT MARKING-LINE 6"	FT	642	427		215
78000600	THERMOPLASTIC PAVEMENT MARKING-LINE 12"	FT	280	280		0
78000620	THERMOPLASTIC PAVEMENT MARKING-LINE 18"	FT	308	229		79
78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EA	10	7		3
XX001987	LINE STOP 4"	EA	5	0		5
XX002118	STORM SEWER DUCTILE IRON 12"	FT	126	126		0
XX003673	SANITARY SERVICE REPLACEMENT	EA	52	0		52
XX004007	BITUMINOUS DRIVEWAY PAVEMENT	SY	1432	849		583
XX004689	SANITARY SERVICE ADJUSTMENT	EA	2	2		0
XX005959	GATE VALVE AND VAULT 8"	EA	7	0		7
XX146400	STORM SEWER REMOVAL	FT	885	729		156
Z0013300	CONCRETE REMOVAL (SPECIAL)	SY	333	333		0
Z0076600	TRAINEES	HOURS	500	0	500	0
XX006232	BITUMINOUS CONCRETE SURFACE COURSE 2"	SY	14,336	8867		5469
XX006233	BITUMINOUS CONCRETE SURFACE OVERLAY 1 1/2"	SY	1393	1393		0
XX006234	BITUMINOUS CONCRETE BINDER COURSE 2 1/2"	SY	11,275	11,275		0
XX006235	BITUMINOUS CONCRETE BINDER COURSE 3"	SY	5469	0		5469
XX006236	BACK OF CURB REMOVAL	FT	38	0		38
XX006237	STORM SEWER, HDPE, 8"	FT	55	55		0
XX006238	STORM SEWER DUCTILE IRON 15"	FT	87	45		42
XX006239	STORM SEWER DUCTILE IRON 20"	FT	300	300		0
XX006240	AREA DRAIN	EA	2	2		0
XX006241	GATE VALVE AND BOX 8"	EA	11	0		11
XX006242	WATER SERVICE REMOVAL	EA	43	0		43
XX006243	WATER SERVICE INSTALLATION, 1", COMPLETE	EA	44	0		44
XX006244	WATER SERVICE INSTALLATION, 2", COMPLETE	EA	2	0		2
XX006245	CASING PIPE, TRENCHED	FT	63	0		63
XX006246	CASING PIPE, HAND TUNNELED	FT	134	0		134
XX006247	SANITARY SEWER REMOVAL	FT	2738	0		2738
XX006248	SANITARY SEWER, PVC D3034, SDR 35, 8"	FT	1311	0		1311
XX006249	SANITARY SEWER, PVC C909, 8"	FT	225	0		225
XX006250	SANITARY SEWER, PVC D3034, SDR 35, 10"	FT	1348	0		1348
XX006251	SANITARY SEWER, PVC C909, 10"	FT	32	0		32
XX006252	SANITARY SERVICE REPLACEMENT, WATERMAIN QUALITY	EA	6	0		6
XX006253	SANITARY MANHOLES, 4' DIA.	EA	13	0		13
XX006254	REPAIRS TO SANITARY MANHOLE #14	LS	1	0		1

LEGEND & ABBREVIATIONS

- EXISTING CONTOUR LINE
- PROPOSED CONTOUR LINE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER & MANHOLE
- PROPOSED SANITARY SEWER & MANHOLE
- EXISTING WATERMAIN, VALVE & VAULT AND FIRE HYDRANT INCL. AUX VALVE
- PROPOSED WATERMAIN, VALVE & VAULT AND FIRE HYDRANT INCL. AUX VALVE
- EXISTING BURIED UTILITIES
- PROPERTY MONUMENT
- PROPOSED CURB & GUTTER
- PROPOSED PROPERTY AND ROW LINE
- EXISTING PROPERTY AND ROW LINE
- TREE
- DRAINAGE FLOW DIRECTION ARROW
- TRAFFIC FLOW DIRECTION ARROW
- MAIL BOX
- UTILITY POLE
- EROSION CONTROL BLANKET
- STONE RIP RAP
- PVC POLY VINYL CHLORINE PIPE
- DIP DUCTILE IRON PIPE
- RCP REINFORCED CONCRETE PIPE
- HEP HORIZONTAL ELLIPTICAL PIPE
- INV INVERT OF PIPE
- PVI POINT OF VERTICAL GRADE INTERSECTION
- 3:1 3 HORIZONTAL TO 1 VERTICAL SLOPE
- WWF WOVEN WIRE FABRIC
- TC TOP OF CURB ELEVATION
- TW TOP OF WALK ELEVATION
- M.E. MATCH EXISTING

BENCHMARKS

- SANITARY MANHOLE #7015 ON THE NORTH SIDE OF ALLEN STREET AT 7TH AVENUE. ELEVATION: 776.63
- FIRE HYDRANT EAST OF 7TH AVENUE ON THE SOUTH SIDE OF ALLEN STREET. ELEVATION: 780.55
- CORNER OF THE STEPS AT BELVIDERE FIRST ASSEMBLY OF GOD CHURCH (1105 7TH AVENUE). ELEVATION: 785.65
- RAILROAD SPIKE IN UTILITY POLE WEST OF 7TH AVENUE ON STARR STREET. ELEVATION: 785.46
- NORTH BOLT ON TOP OF FIRE HYDRANT AT NORTHEAST CORNER OF 7TH AVENUE AND 6TH STREET. ELEVATION: 789.43
- SECOND FIRE HYDRANT EAST OF 7TH AVENUE ON THE NORTH SIDE OF 6TH STREET, NORTHWEST BOLT ON TOP OF HYDRANT. ELEVATION: 790.65
- NORTHWEST CORNER OF STEPS AT 526 6TH STREET. ELEVATION: 792.05
- SOUTHWEST BOLT ON TOP OF FIRE HYDRANT AT THE NORTHEAST CORNER OF MAPLE STREET AND 6TH STREET. ELEVATION: 795.23
- SOUTHEAST BOLT ON TOP OF FIRE HYDRANT AT THE NORTHEAST CORNER OF UNION AND 6TH STREET. ELEVATION: 796.84
- SOUTHEAST CORNER OF STEPS AT THE SOUTH SIDE ENTRANCE TO 6TH STREET OF ZION LUTHERAN CHURCH (1300 PEARL STREET). ELEVATION: 796.82
- NORTH BOLT ON TOP OF FIRE HYDRANT AT THE NORTHEAST CORNER OF GARFIELD AVENUE AND 6TH STREET. ELEVATION: 797.78

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