

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
649	67(I)RS 2&I	MARSHALL	74	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
D-93-053-03 CONTRACT NUMBER 66403				

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	INDEX OF SHEETS, HIGHWAY STANDARDS, PLAN NOTES AND BILL OF MATERIALS
2	SCHEDULE OF QUANTITIES
7	ALIGNMENT, TIES AND BENCHMARK
8	EXISTING AND PROPOSED DRAINAGE AND UTILITIES PLAN
21	CROSS SECTIONS
55	TEST HOLE CERTIFICATION FORMS
61	STANDARD WATERMAIN DETAILS AND NOTES HIGHWAY STANDARDS

HIGHWAY STANDARDS

SHEET NO.	DESCRIPTION
000001	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001	TEMPORARY EROSION CONTROL SYSTEMS
420111	PCC PAVEMENT ROUNDOUTS
424001	CURB RAMPS FOR SIDEWALKS
442201	CLASS C AND D PATCHES
542101	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 15" THRU 36" DIAMETER AT RIGHT ANGLES WITH ROADWAY
542206	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS, 42" THRU 60" DIAMETER, SKEWED WITH ROADWAY
602001	CATCH BASIN, TYPE A
602301	INLET, TYPE A
602401	MANHOLE, TYPE A
602701	CAST IRON STEPS
604001	FRAME AND LIDS, TYPE 1
604006	FRAME AND GRATE, TYPE 3
604036	GRATE, TYPE 8
604046	FRAME AND GRATE, TYPE 10
606001	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER

PLAN NOTES

10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO THE EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

STORM SEWER WATER MAIN IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET AND THE WATER MAIN INVERT IS LESS THAN 1.5 FEET ABOVE THE STORM SEWER CROWN.

STORM SEWER, RUBBER GASKET IS TO BE USED AT LOCATIONS WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 1.5 FEET ABOVE THE TOP OF THE SEWER.

BEFORE ORDERING STORM SEWERS, CATCH BASINS, INLETS, PIPE CULVERTS, PIPE DRAINS, AND MANHOLES, THE CONTRACTOR SHALL CONTACT THE ENGINEER AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.

THE LOCATIONS AND ELEVATIONS OF EXISTING SEWERS AND SEWER STRUCTURES SHOWN ON THE PLANS AND PROFILES HAVE BEEN OBTAINED FROM DRAWINGS AND ATLASES AND THE INFORMATION IS NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING AND PROTECTING ALL SEWER AND STRUCTURES.

DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ALL SURFACE DRAINAGE WITHIN THE PROJECT LIMITS. ALL STORM SEWER FLOW MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. PLATING OF THE DRAINAGE STRUCTURES FOR STRUCTURE ADJUSTMENT WILL NOT BE PERMITTED. THE CONTRACTOR SHALL FEATHER THE BITUMINOUS LAYERS AROUND THE DRAINAGE STRUCTURES TO PREVENT A BUMP. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL NOT BE PAID FOR SEPARATELY.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

THE CONTRACTOR SHALL ADJUST WATERMAIN IN ACCORDANCE WITH THE CITY OF WENONA STANDARD WATERMAIN DETAILS AND NOTES AND AS SHOWN ON THE PLANS. ALL EXISTING WATER SERVICES SHALL BE RECONNECTED. THE COST OF RECONNECTING THE EXISTING WATER SERVICES SHALL BE INCLUDED IN THE COST FOR ADJUSTING WATERMAIN. NO ADDITIONAL PAYMENT WILL BE ALLOWED.

THE CONTRACTOR SHALL TEMPORARILY SUPPORT EXISTING WATERMAIN AS REQUIRED. COST OF TEMPORARY SUPPORT OF WATERMAIN SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND SHALL NOT BE PAID FOR SEPARATELY.

ALL EXISTING SANITARY SEWER SERVICES THAT ARE ENCOUNTERED DURING CONSTRUCTION SHALL BE ADJUSTED AS REQUIRED FOR CONSTRUCTION OF PROPOSED IMPROVEMENTS, AND RECONNECTED. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF STORM SEWERS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

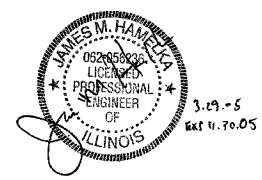
BILL OF MATERIALS

ITEM	UNIT	QUANTITY
TREE ROOT PRUNING	EA	12
COMBINATION CURB AND GUTTER REMOVAL	FT	2251
STORM SEWER REMOVAL	FT	472
REMOVING CATCH BASINS	EA	1
REMOVING INLETS	EA	14
TEMPORARY FENCE	FT	2338
PERIMETER EROSION BARRIER	FT	3304
STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FT	47
STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 12"	FT	113
STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 18"	FT	1293
STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 24"	FT	771
STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 30"	FT	41
STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 42"	FT	126
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FT	155
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FT	786
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FT	151
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 30"	FT	327
STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FT	1473
STORM SEWER WATER MAIN, TYPE 2, 12"	FT	137
STORM SEWER WATER MAIN, TYPE 2, 18"	FT	34
STORM SEWER WATER MAIN, TYPE 2, 24"	FT	392
STORM SEWER WATER MAIN, TYPE 2, 30"	FT	872
STORM SEWER WATER MAIN, TYPE 2, 42"	FT	408
PIPE CULVERTS, TYPE 1, REINFORCED CONCRETE-ELLIPTICAL, EQUIVALENT ROUND-SIZE 42"	FT	360

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FT	2251
CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	2
CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	44
CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	580
CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	765
PORTLAND CEMENT CONCRETE DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	46
BITUMINOUS DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	469
SHOULDER REMOVAL AND REPLACEMENT	SQ YD	1712
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EA	2
MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EA	17
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EA	1
MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EA	1
MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EA	11
MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EA	9
INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EA	1
INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EA	7
INLETS, TYPE A, TYPE 10 FRAME AND GRATE	EA	1
CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EA	12
CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EA	7
CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EA	5
END SECTIONS 30"	EA	1
END SECTIONS 42"	EA	1
TRENCH BACKFILL	CU YD	5850
ADJUSTING WATER MAIN 4"	FT	275
ADJUSTING WATER MAIN 6"	FT	75
ADJUSTING WATER MAIN 8"	FT	80
STONE RIP RAP, CLASS A4	SQ YD	34.1
FILTER FABRIC FOR USE WITH RIP RAP	SQ YD	34.1

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**COLLINS ENGINEERS**  
123 N. WACKER DR., SUITE 300  
CHICAGO, IL 60606  
(312) 704-9300  
ILLINOIS PROFESSIONAL DESIGN FIRM  
LICENSE NO. 184-000993

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**ILLINOIS ROUTE 17  
INDEX OF SHEETS, HIGHWAY  
STANDARDS, PLAN NOTES  
AND BILL OF MATERIALS**  
SCALE: NTS  
DATE: MARCH, 2005  
DRAWN BY: DR  
CHECKED BY: JMH