

SEE SHT. NO 2 FOR INDEX OF SHEETS
SEE SHT. NO 2 FOR HIGHWAY STANDARDS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

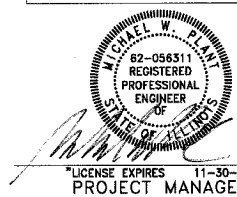
**PLANS FOR PROPOSED
FEDERAL AID CMAQ PROJECT**

**MONARCH PEDESTRIAN PATH
187TH STREET/186TH PLACE
LORETTO LANE TO WILLOW AVENUE
SIDEWALK IMPROVEMENTS**

**PROJECT NO.: CMM-8003(622)
SECTION NO.: 06-00031-00-SW
COOK COUNTY
JOB NO.: C-91-301-06**

LOCATION MAP

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00031-00-SW		COOK	8	1
ILLINOIS PROJECT				
C-91-301-06			CMM-8003	(622)
CONTRACT NO. 83960				



DATE: 6-07-07

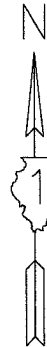
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED: *[Signature]*
CITY OF COUNTRY CLUB HILLS
MAYOR

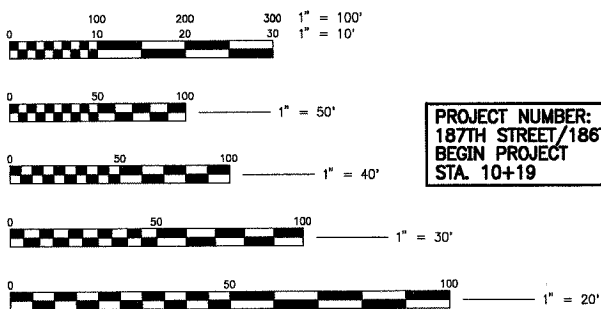
PASSED: *[Signature]* July 17-2007
DISTRICT 1 ENGINEER OF
LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW: *[Signature]* July 17, 2007
DEPUTY DIRECTOR OF
HIGHWAYS, REGION 1 ENGINEER

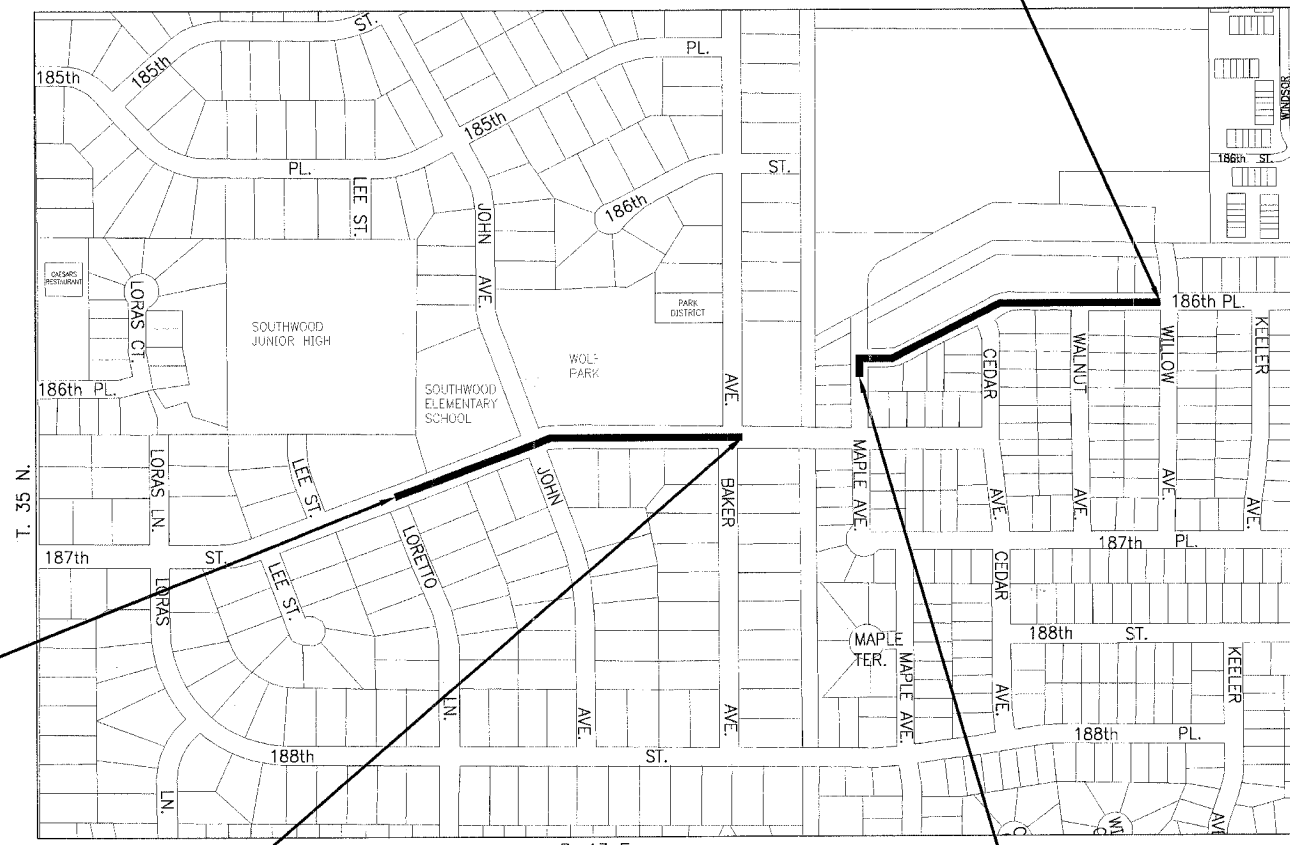
**THIS PROJECT IS
LOCATED WITHIN
THE CITY OF
COUNTRY CLUB HILLS**



CALL 48 HOURS BEFORE YOU DIG



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED SIZE PLANS, THE ABOVE SCALES SHALL BE USED.



PROJECT NUMBER: CMM-8003(621)
187TH STREET/186TH PLACE
BEGIN PROJECT
STA. 10+19

PROJECT NUMBER: CMM-8003(621)
187TH STREET/186TH PLACE
BEGIN OMISSION
STA. 20+10

PROJECT NUMBER: CMM-8003(621)
187TH STREET/186TH PLACE
END PROJECT
STA. 36+50

PROJECT NUMBER: CMM-8003(621)
187TH STREET/186TH PLACE
END OMISSION
STA. 27+32

NO SCALE
GROSS LENGTH OF IMPROVEMENT = 2,631 LIN. FT. OR 0.498 MILES
NET LENGTH OF IMPROVEMENT = 1,909 LIN. FT. OR 0.362 MILES
NET LENGTH OF OMISSION = 722 LIN. FT. OR 0.137 MILES

BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2009

CONTRACT NO. 83960

COUNTY: COOK SECTION: NUMBER: 06-00031-00-SW

Crystal Lake, Illinois
815.459.1260
(OFFICE WHICH PREPARED PLANS)

Mokena, Illinois
708.478.2090

Burlington, Wisconsin
262.763.7834

DeKalb, Illinois
815.787.3111



Grayslake, Illinois
847.223.5088

Rockford, Illinois
815.489.1551

Plainfield, Illinois
815.609.7425

Itasca, Illinois
630.773.1870

Madison, Wisconsin
608.347.1542

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00031-00-SW		COOK	8	2
STA.	TO STA.		FED. ROAD DIST. NO.	FED. AID PROJECT
			C-91-301-06	ILLINOIS CMM-8003 (622)

CONTRACT NO. 83960

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
			CONSTRUCTION CODE SFTY-1B
20101000	TEMPORARY FENCE	FOOT	530
20101200	TREE ROOT PRUNING	EACH	11
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	3
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	3
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	3
20101700	SUPPLEMENTAL WATERING	UNIT	2
20200100	EARTH EXCAVATION	CU YD	5
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	407
20400800	FURNISHED EXCAVATION	CU YD	96
20800150	TRENCH BACKFILL	CU YD	31
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,450
21400100	GRADING AND SHAPING DITCHES	FOOT	31
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	27
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	27
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	27
25200110	SODDING, SALT TOLERANT	SQ YD	1,450
25200200	SUPPLEMENTAL WATERING	UNIT	44
28000300	TEMPORARY DITCH CHECKS	EACH	4
28000510	INLET FILTERS	EACH	4
35101400	AGGREGATE BASE COURSE, TYPE B	TON	10
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,075
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6,110
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	355
42400430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	3,175
42400800	DETECTABLE WARNINGS	SQ FT	70
44000300	CURB REMOVAL	FOOT	50
48101200	AGGREGATE SHOULDERS, TYPE B	TON	26
54200637	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 12"	FOOT	42
54201483	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 18"	FOOT	50
54213867	STEEL END SECTIONS 12"	EACH	2
54213873	STEEL END SECTIONS 18"	EACH	2
60220240	MANHOLES, TYPE A, 4'-DIAMETER, WITH SPECIAL FRAME, CLOSED LID	EACH	1
60611818	COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL) (ABUTTING EXISTING PAVEMENT)	FOOT	50
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	288
* 78000650	THERMOPLASTIC PAVEMENT MARKINGS - LINE 24"	FOOT	16
78300100	PAVEMENT MARKING REMOVAL	SQ FT	154
X0301245	SHOULDER REMOVAL	SQ YD	73
X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	7
X0323973	SEDIMENT CONTROL, SILT FENCE	FOOT	1,960
X0323974	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	1,960
X0976500	END SECTIONS TO BE REMOVED	EACH	3
XX005656	INLET FILTER CLEANING	EACH	12
Z0018400	DRAINAGE STRUCTURES TO BE ADJUSTED	EACH	6

* INDICATES SPECIALITY ITEM

STANDARD NO. HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS AND ABBREVIATIONS
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
424001-04	CURB RAMPS FOR SIDEWALKS
602401-01	MANHOLES, TYPE A
604001-02	FRAME AND LID, TYPE I
701501-03	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-06	TRAFFIC CONTROL DEVICES

INDEX TO SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, SUMMARY OF QUANTITIES AND EARTH EXCAVATION SCHEDULE
3	GENERAL NOTES
4	TYPICAL SECTIONS, DETAILS AND BENCHMARKS
5	PLAN: 187TH STREET
6	PLAN: 186TH PLACE
7	CROSS SECTIONS: 187TH STREET / 186TH PLACE
8	DISTRICT ONE DETAIL TC-13: TYPICAL PAVEMENT MARKINGS

LEGEND

ADJ 1	SANITARY MANHOLES TO BE ADJUSTED
ADJ 2	DRAINAGE STRUCTURES TO BE ADJUSTED

EARTH EXCAVATION SCHEDULE

LOCATION STA TO STA	UNDERCUT AND PGE REPLACEMENT (CY)	UNSUITABLE EXCAVATION (TOPSOIL) (CY)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CY)	EARTH EXCAVATION (CY)	UTILITY EXCAVATION (CY)	EXCESS STRUCTURE EXCAVATION (CY)	TOTAL SUITABLE EXCAVATION (CY)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CY)	EMBANKMENT (CY)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CY)
187TH STREET										
10+35 11+00	0	17.78	17.78	0	0	0	0	0	19.26	-19.26
11+00 12+00	0	17.6	17.6	0	0	0	0	0	1.49	-1.49
12+00 13+00	0	17.97	17.97	0	0	0	0	0	1.49	-1.49
13+00 14+00	0	13.1	13.1	0	0	0	0	0	33.39	-33.39
14+00 15+00	0	25.77	25.77	0	0	0	0	0	9.54	-9.54
15+00 16+00	0	26.12	26.12	0	0	0	0	0	1.86	-1.86
16+00 17+00	0	28.15	28.15	0	0	0	0	0	8.52	-8.52
17+00 18+00	0	29.26	29.26	5	0	0	5	4	1.86	2.14
18+00 19+00	0	29.45	29.45	0	0	0	0	0	1.86	-1.86
19+00 19+82	0	22.78	22.78	0	0	0	0	0	5.41	-5.41
186TH PLACE										
27+32 28+00	0	15.5	15.5	0	0	0	0	0	1.38	-1.38
28+00 29+00	0	17.78	17.78	0	0	0	0	0	1.49	-1.49
29+00 30+00	0	17.78	17.78	0	0	0	0	0	1.49	-1.49
30+00 31+00	0	18.34	18.34	0	0	0	0	0	1.67	-1.67
31+00 32+00	0	17.6	17.6	0	0	0	0	0	1.49	-1.49
32+00 33+00	0	24.08	24.08	0	0	0	0	0	1.69	-1.69
33+00 34+00	0	21.6	21.6	0	0	0	0	0	1.63	-1.63
34+00 35+00	0	18.71	18.71	0	0	0	0	0	1.49	-1.49
35+00 36+00	0	17.78	17.78	0	0	0	0	0	1.49	-1.49
36+00 36+50	0	8.99	8.99	0	0	0	0	0	0.84	-0.84
TOTALS	0	406.14	406.14	5	0	0	5	4	99.34	-95.34

EARTHWORK SUMMARY

	TOTAL
EARTH EXCAVATION	5
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	406.14
POROUS GRANULAR EMBANKMENT	0
FURNISHED EXCAVATION	95.34

EARTHWORK NOTES:

- ASSUME 4 INCH DEPTH OF TOPSOIL PLACEMENT FOR REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL
- ASSUME 9 INCH DEPTH OF TOPSOIL EXCAVATION FOR WALK
- ASSUME 15% SHRINKAGE OF EARTH EXCAVATION TO BE REUSED AS EMBANKMENT.

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 Drawing No. 184-02121 - EARTH 4-30-07

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	5-29-07	CITY/IDOT REVIEW
	2	6-07-07	CITY/IDOT REVIEW

* - REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS	
1"	0
1"	2"
1"	3"



Bester & Woodman
 Consulting Engineers
 Chicago, Illinois
 815.459.1200
 708.478.2000
 262.782.7500
 815.797.5117
 815.222.5500
 815.488.1551
 815.209.7400
 800.792.8296

CITY OF COUNTRY CLUB HILLS, ILLINOIS
187th STREET/186TH PLACE SIDEWALK IMPROVEMENTS

INDEX OF SHEETS, HIGHWAY STANDARDS,
SUMMARY OF QUANTITIES AND
EARTH EXCAVATION SCHEDULE

DESIGNED BY	MWP	SCALE	NONE
DRAWN BY	KAR	PROJECT NO.	051543.40
CHECKED BY	MWP	SHEET NO.	
DATE	3-30-07		

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00031-00-SW		COOK	8	3
STA. TO STA.		ILLINOIS	FED AID PROJECT CMM-8003 (622)	
C-91-301-06				

CONTRACT NO. 83960

GENERAL NOTES

- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES SO THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED IN THE STANDARD SPECIFICATIONS AND/OR SPECIAL PROVISIONS. UTILITY LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL USE CAUTION WHERE THERE ARE POTENTIAL CONFLICTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER OR REPLACED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- ALL AGGREGATE USED ON THIS PROJECT SHALL BE CRUSHED MATERIAL.
- THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO STRUCTURES AT ALL TIMES.
- WHERE THE PROPOSED PAVEMENT, SIDEWALK, OR CURB AND GUTTER ABUTS THE EXISTING PAVEMENT OR CONCRETE TO REMAIN IN PLACE, THE EXISTING PAVEMENT OR CONCRETE SHALL BE SAWCUT TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND THE EXISTING SURFACES. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL PROTECT AND REPLACE ALL SIGNS REMOVED DURING CONSTRUCTION AS NEAR AS POSSIBLE TO THEIR ORIGINAL LOCATION, OR AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- REMOVAL OF EXISTING POST AND ATTACHING EXISTING SIGN ONTO NEW POLE IS INCIDENTAL TO THE CONTRACT.
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE CITY DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER OR CITY.
- THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
- MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, CURB AND GUTTER, HOT-MIX ASPHALT SURFACES, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGMENT OF THE CITY, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE CITY WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED (CHARGED) ACCORDINGLY.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CITY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY WATER IF DEEMED NECESSARY.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS AND THE CITY WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE CITY TO RESIDENTS. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- ANY SIGNS OR MAILBOXES THAT ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH CITY STANDARDS AND INCLUDED IN THE PAY ITEM FOR PORTLAND CEMENT CONCRETE SIDEWALK. MAIL SERVICE SHALL BE MAINTAINED AT ALL TIMES.
- IN AREAS WHERE THE EXISTING DRIVEWAY OR CURB AND GUTTER IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED DRIVEWAY, SIDEWALK, OR CURB AND GUTTER SUBGRADE ELEVATION SHALL BE INCLUDED IN THE PAY ITEMS, EARTH EXCAVATION OR CURB REMOVAL.

- ALL SIDEWALKS SHALL BE REINFORCED WITH THREE (3) NUMBER FOUR (#4) REBAR, MINIMUM TEN FEET LONG, ACROSS ALL SEWER, WATER, AND UTILITY TRENCHES AND SHALL BE INCLUDED IN THE PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH (SPECIAL) PAY ITEM.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
- ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND SHALL BE INCLUDED IN THE COST OF THE CONTRACT. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- IN ALL TRENCHES CROSSING DRIVEWAYS, SIDEWALKS, AND ALL PROPOSED AND EXISTING ROADWAYS, THE MATERIAL FOR THE TOP 12 INCHES SHALL BE CA-6 CRUSHED GRAVEL OR CRUSHED STONE AND BE INCLUDED IN THE PAY ITEM FOR TRENCH BACKFILL. THE BACKFILL SHALL EXTEND TO AND BE MEASURED FOR PAYMENT TO THE EXISTING GROUND OR SURFACE ELEVATION.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF COST OF THE STRUCTURE.
- A PORTABLE BATHROOM(S) SHALL BE PLACED ON THE JOB SITE(S) AND RELOCATED WHEN NECESSARY SO IT IS ACCESSIBLE TO WORKERS. IF WORK IS OCCURRING AT SEVERAL LOCATIONS, ONE PORTABLE BATHROOM SHALL BE PLACED AT EACH LOCATION WITHIN A REASONABLE DISTANCE FROM THE WORK AS DETERMINED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE PAY ITEM FOR MOBILIZATION.
- FOR STEEL BARS CERTIFICATION, PLEASE CONTACT IDOT BUREAU OF MATERIALS AT (847) 705-4361.
- THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC DAMAGE TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AS DESCRIBED SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION.
- TREE ROOT PRUNING IS TO BE USED ON EXISTING TREES TO PREVENT THE RIPPING UP OF ROOTS WHEN TRENCHING OR EXCAVATION IS WITHIN THE ROOT ZONE OF ADJACENT TREES TO REMAIN. SUPPLEMENTAL WATERING AND FERTILIZATION OF TREES SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING OF THE TREES HAS OCCURRED.
- TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIPLINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

I:\CCH\051543\40 - Design\dwg\051543-00TES-TPP-BM.dwg - 5/13/07 - GEN NOTES
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CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	5-29-07	CITY/IDOT REVIEW
	2	6-07-07	CITY/IDOT REVIEW

* - REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

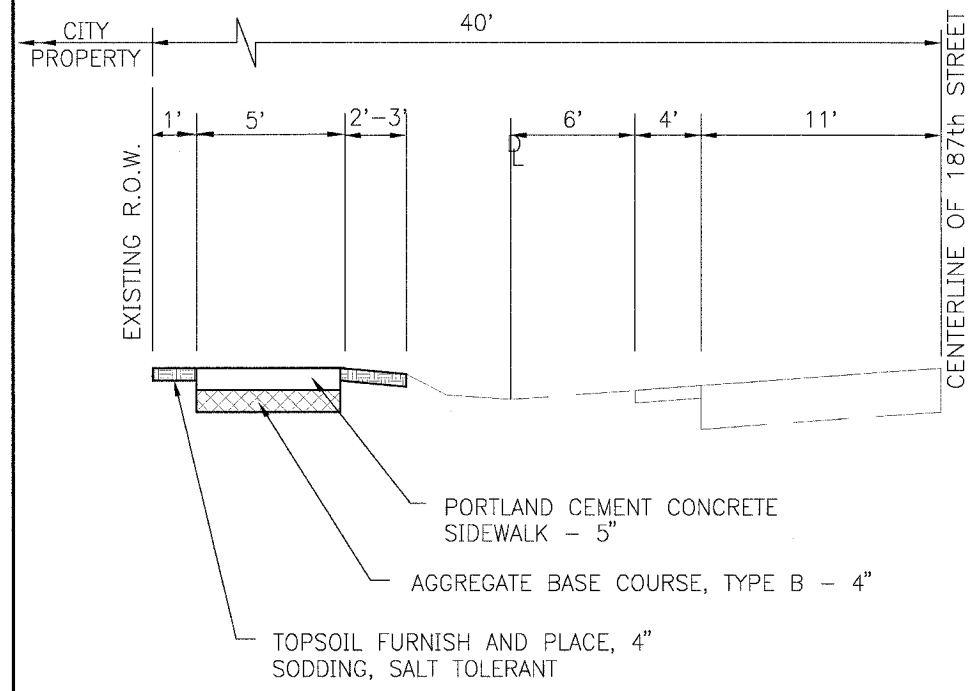
Baxter & Woodman
 Consulting Engineers
 Chicago, IL 60604
 312.467.1000
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 www.baxterandwoodman.com

CITY OF COUNTRY CLUB HILLS, ILLINOIS
187th STREET/186TH PLACE SIDEWALK IMPROVEMENTS

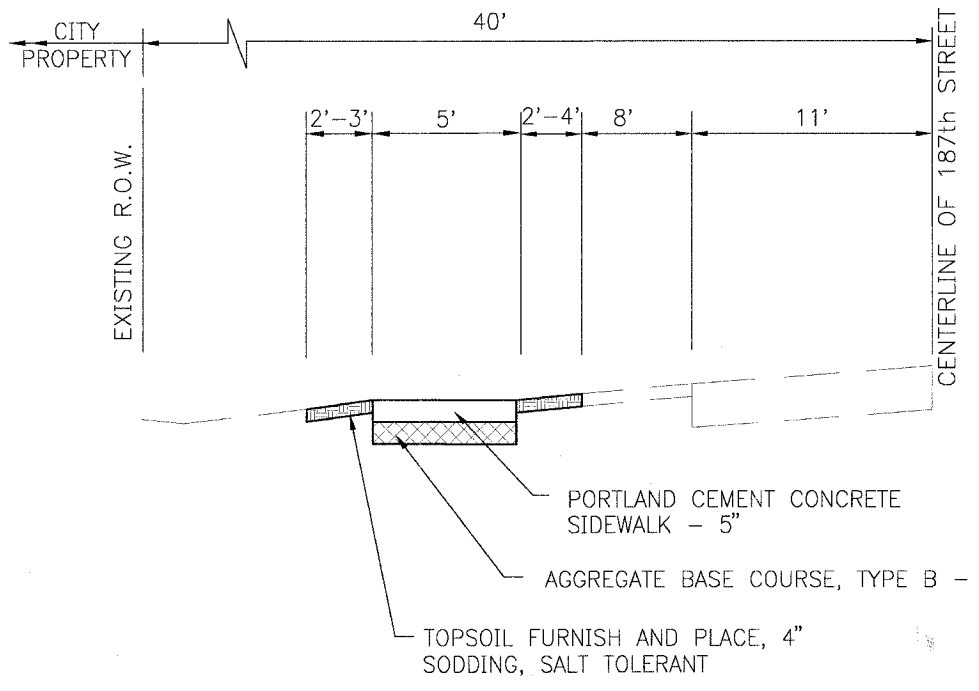
GENERAL NOTES

NOT FOR BIDDING	
DESIGNED BY MWP	SCALE NONE
DRAWN BY KAR	PROJECT NO. 051543.40
CHECKED BY MWP	SHEET NO.
DATE 3-30-07	3 OF 8

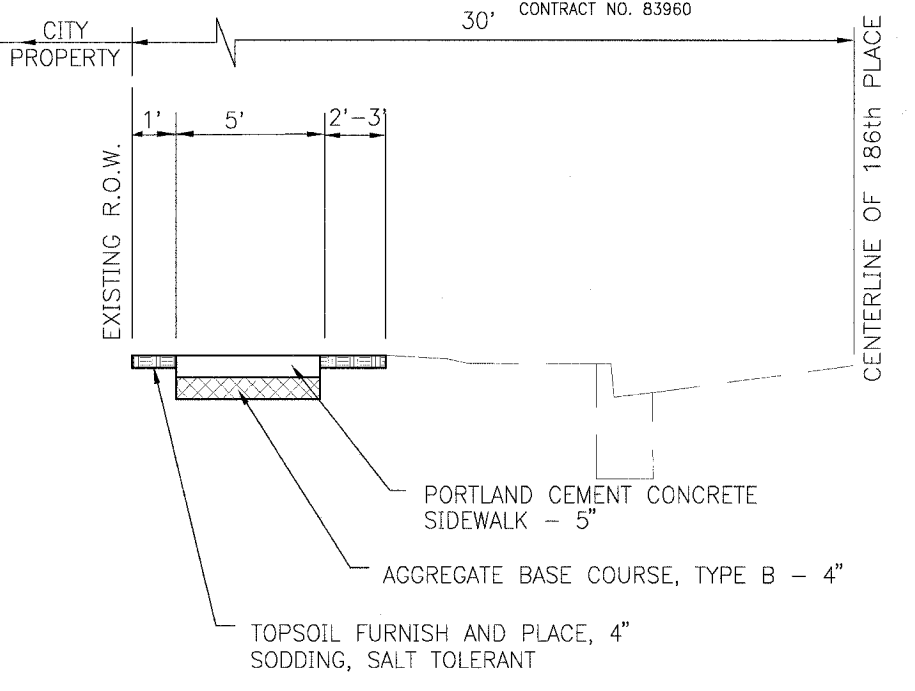
F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00031-00-SW		COOK	8	4
STA.	TO STA.			
C-91-301-06	ILLINOIS		FED. AID PROJECT CMM-8003 (622)	
CONTRACT NO. 83960				



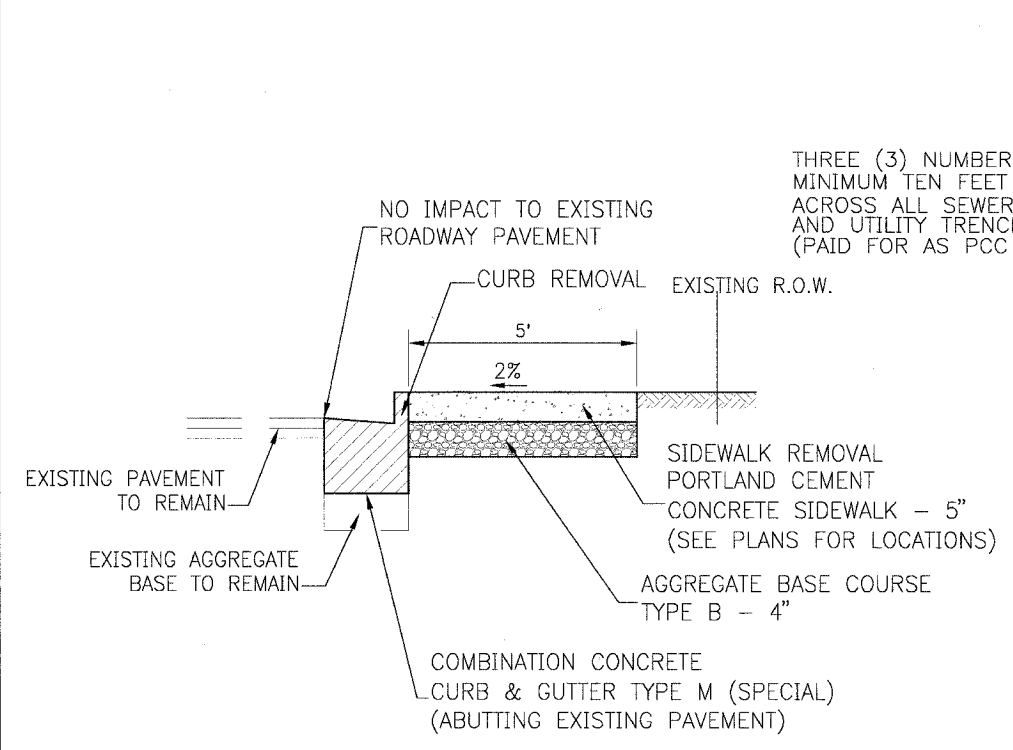
TYPICAL SECTION
187TH STREET - NORTHEAST BOUND
STA. 10+19 TO STA 13+50



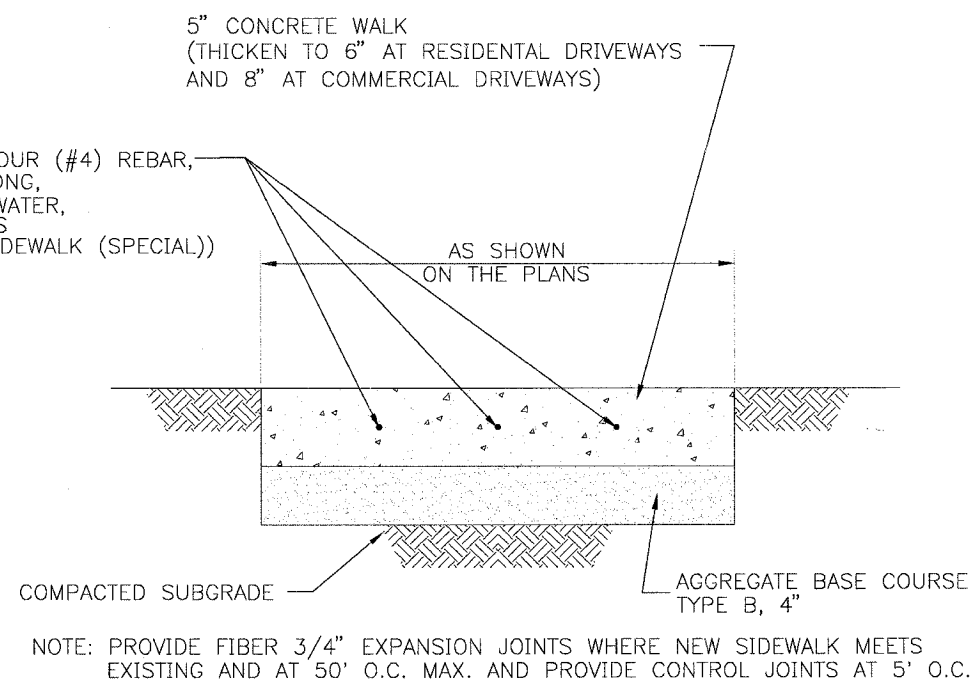
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187TH STREET - EAST BOUND
STA. 13+50 TO 20+10



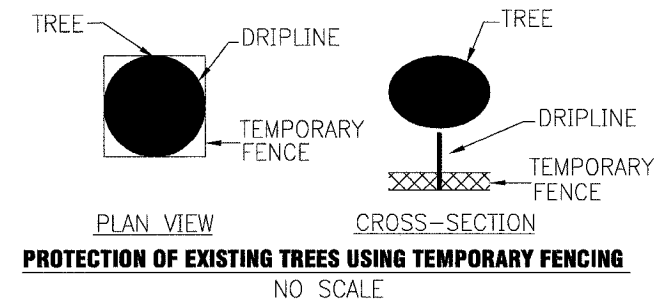
TYPICAL SECTION
186TH PLACE - NORTHEAST/EAST BOUND
STA. 27+32 TO 36+50



CURB REMOVAL AND COMBINATION CONCRETE CURB AND GUTTER, TYPE M (SPECIAL) (ABUTTING EXISTING PAVEMENT)



PORTLAND CEMENT CONCRETE (P.C.C.) SIDEWALK
PORTLAND CEMENT CONCRETE (P.C.C.) SIDEWALK (SPECIAL)
NO SCALE



- BENCHMARKS**
- BM # 1 RAILROAD SPIKE SET IN SOUTH-WEST CORNER OF POWER POLE ON EAST SIDE OF JOHN AVENUE ACROSS FROM HOUSE # 18610 ELEVATION = 708.12
 - BM # 2 RAILROAD SPIKE SET IN NORTH FACE OF POWER POLE, SOUTH-WEST CORNER OF JOHN AVENUE AND 187TH STREET ELEVATION = 706.53
 - BM # 3 RAILROAD SPIKE SET IN WEST FACE OF POWER POLE ACROSS FROM CIVIC CENTER ELEVATION = 708.31
 - BM # 4 RAILROAD SPIKE SET IN SOUTH-WEST CORNER OF POWER POLE, EAST OF BAKER AVENUE AND 187TH STREET ELEVATION = 710.80
 - BM # 5 EAST LIGHT POLE BASE ON SOUTH-EAST CORNER OF 186TH PLACE AND MAPLE AVENUE ELEVATION = 707.87
 - BM # 6 CHISELED "X" IN SIDEWALK NEAR WEST LOT LINE 4236 WEST 186TH PLACE ELEVATION = 706.09

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 Scale: 1/8" = 1'-0" Plot Date: 6/1/07
 License No. 186-001121 Expires 4-30-07

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	5-29-07	CITY/IDOT REVIEW
	2	6-07-07	CITY/IDOT REVIEW

* - REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

Baxter & Woodman
 Consulting Engineers
 Chicago, Illinois
 312-467-1000
 708-476-1000
 630-750-7504
 612-787-3111
 617-583-5088
 816-888-1021
 816-879-7422
 608-775-1470

CITY OF COUNTRY CLUB HILLS, ILLINOIS
187th STREET/186TH PLACE SIDEWALK IMPROVEMENTS

TYPICAL SECTIONS, DETAILS AND BENCHMARKS

DESIGNED BY	MWP	SCALE	NONE
DRAWN BY	KAR	PROJECT NO.	051543.40
CHECKED BY	MWP	SHEET NO.	
DATE	3-30-07		

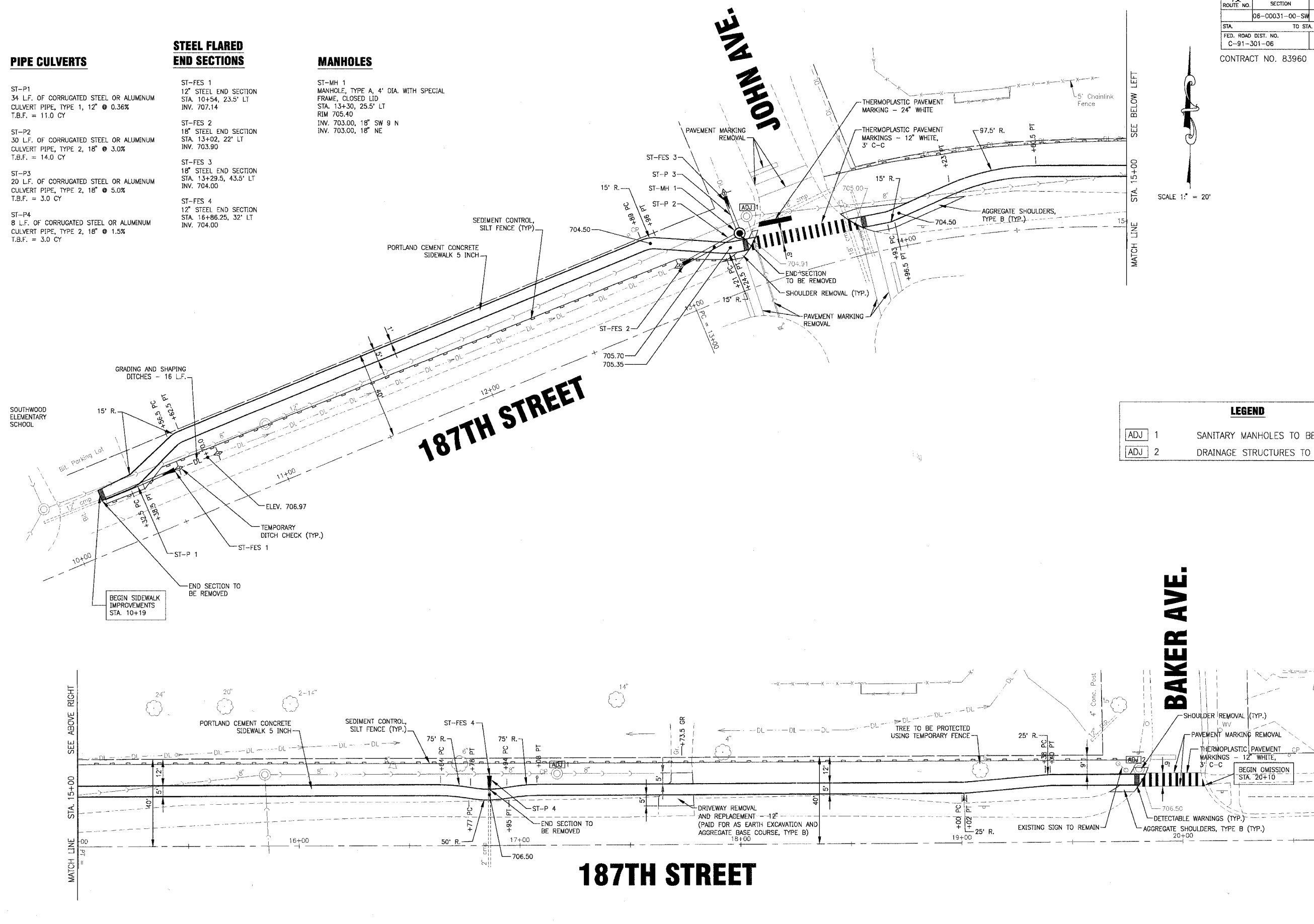
4 OF 8

NOT FOR BIDDING

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00031-00-SW		COOK	8	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT		
C-91-301-06		CMM-8003 (622)		

CONTRACT NO. B3960

- PIPE CULVERTS**
- ST-P1
34 L.F. OF CORRUGATED STEEL OR ALUMINUM CULVERT PIPE, TYPE 1, 12" @ 0.36% T.B.F. = 11.0 CY
 - ST-P2
30 L.F. OF CORRUGATED STEEL OR ALUMINUM CULVERT PIPE, TYPE 2, 18" @ 3.0% T.B.F. = 14.0 CY
 - ST-P3
20 L.F. OF CORRUGATED STEEL OR ALUMINUM CULVERT PIPE, TYPE 2, 18" @ 5.0% T.B.F. = 3.0 CY
 - ST-P4
8 L.F. OF CORRUGATED STEEL OR ALUMINUM CULVERT PIPE, TYPE 2, 18" @ 1.5% T.B.F. = 3.0 CY
- STEEL FLARED END SECTIONS**
- ST-FES 1
12" STEEL END SECTION STA. 10+54, 23.5' LT INV. 707.14
 - ST-FES 2
18" STEEL END SECTION STA. 13+02, 22' LT INV. 703.90
 - ST-FES 3
18" STEEL END SECTION STA. 13+29.5, 43.5' LT INV. 704.00
 - ST-FES 4
12" STEEL END SECTION STA. 16+86.25, 32' LT INV. 704.00
- MANHOLES**
- ST-MH 1
MANHOLE, TYPE A, 4' DIA. WITH SPECIAL FRAME, CLOSED LID STA. 13+30, 25.5' LT RIM 705.40 INV. 703.00, 18" SW 9 N INV. 703.00, 18" NE



LEGEND

ADJ 1	SANITARY MANHOLES TO BE ADJUSTED
ADJ 2	DRAINAGE STRUCTURES TO BE ADJUSTED

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CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	5-29-07	CITY/IDOT REVIEW
	2	6-07-07	CITY/IDOT REVIEW

* - REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

BAKER & WOODMAN
 Consulting Engineers

Baker & Woodman
 Chicago, Illinois 216.469.1200
 Rockford, Illinois 815.398.1200
 Burlington, Wisconsin 866.763.9284
 Oakdale, Illinois 815.797.3114
 Grayslake, Illinois 847.522.5099
 Woodridge, Illinois 815.488.5551
 Plainfield, Illinois 815.509.7425
 Itasca, Illinois 630.773.1870

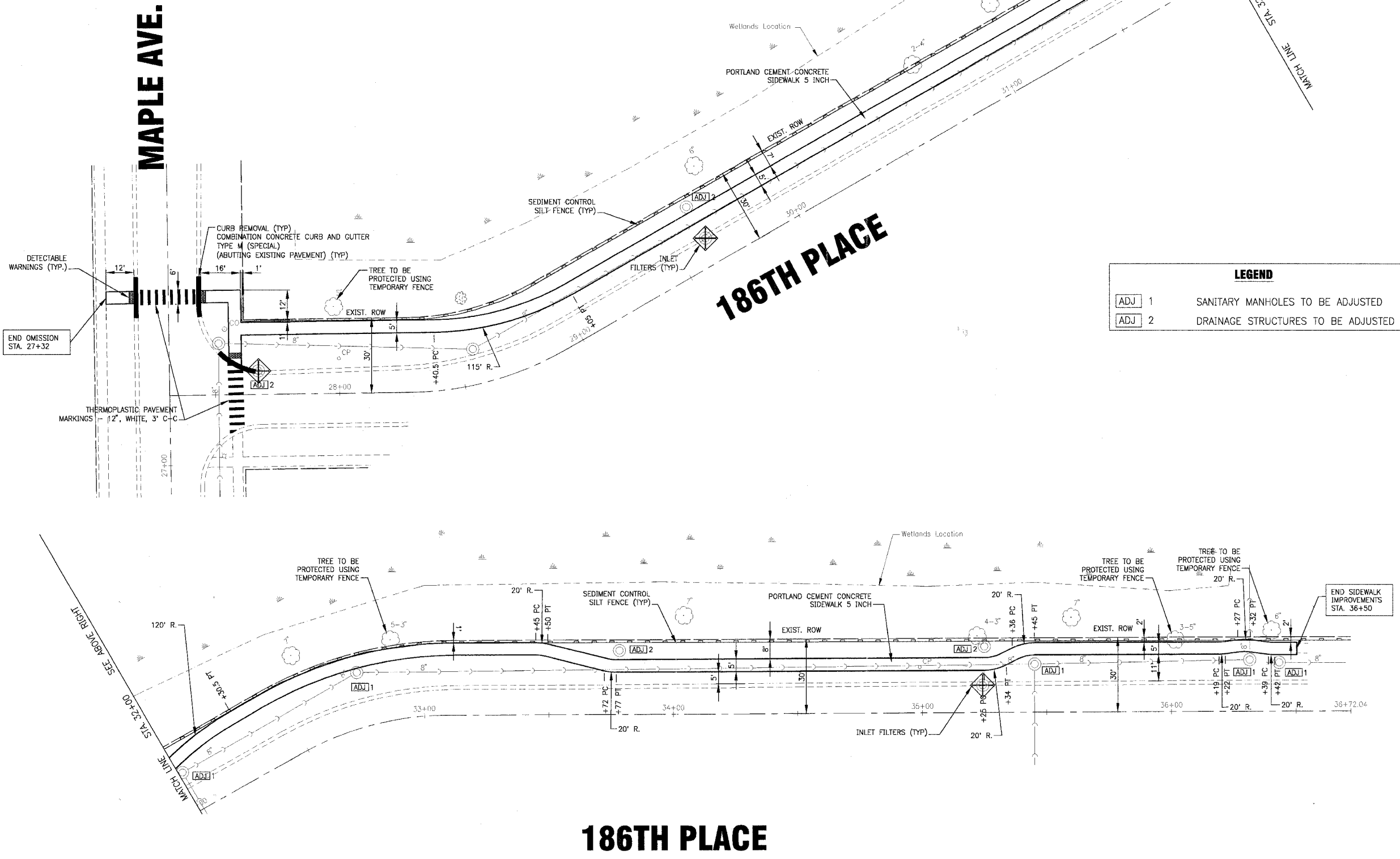
CITY OF COUNTRY CLUB HILLS, ILLINOIS
187th STREET/186TH PLACE SIDEWALK IMPROVEMENTS

187TH STREET
STA. 10+19 TO STA. 20+10
PLAN

NOT FOR BIDDING

DESIGNED BY	MWP	SCALE	HORIZ: 1"=20'
DRAWN BY	KAR	PROJECT NO.	051543.40
CHECKED BY	MWP	SHEET NO.	5 OF 8
DATE	3-30-07		

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00031-00-SW		COOK	8	6
STA.	TO STA.		FED. ROAD DIST. NO.	FED. AID PROJECT
C-91-301-06	ILLINOIS		C-91-301-06	CMM-8003 (622)
CONTRACT NO. 83960				



LEGEND

ADJ 1	SANITARY MANHOLES TO BE ADJUSTED
ADJ 2	DRAINAGE STRUCTURES TO BE ADJUSTED

SCALE 1" = 20'

SCALE 1" = 20'

186TH PLACE

I:\CCH\C\051543\40-Design\Drawings\051543-AP\11.dwg - PLAN-SHG
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CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	5-29-07	CITY/IDOT REVIEW
	2	6-07-07	CITY/IDOT REVIEW

* - REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Original: 2004, Illinois 815-609-7000
 Chicago, Illinois 708-478-5090
 Springfield, Illinois 262-762-7894
 Peoria, Illinois 309-697-1111
 Quincy, Illinois 618-212-5089
 Rockford, Illinois 815-488-1051
 Woodstock, Illinois 815-609-7458
 Macomb, Illinois 815-773-1070

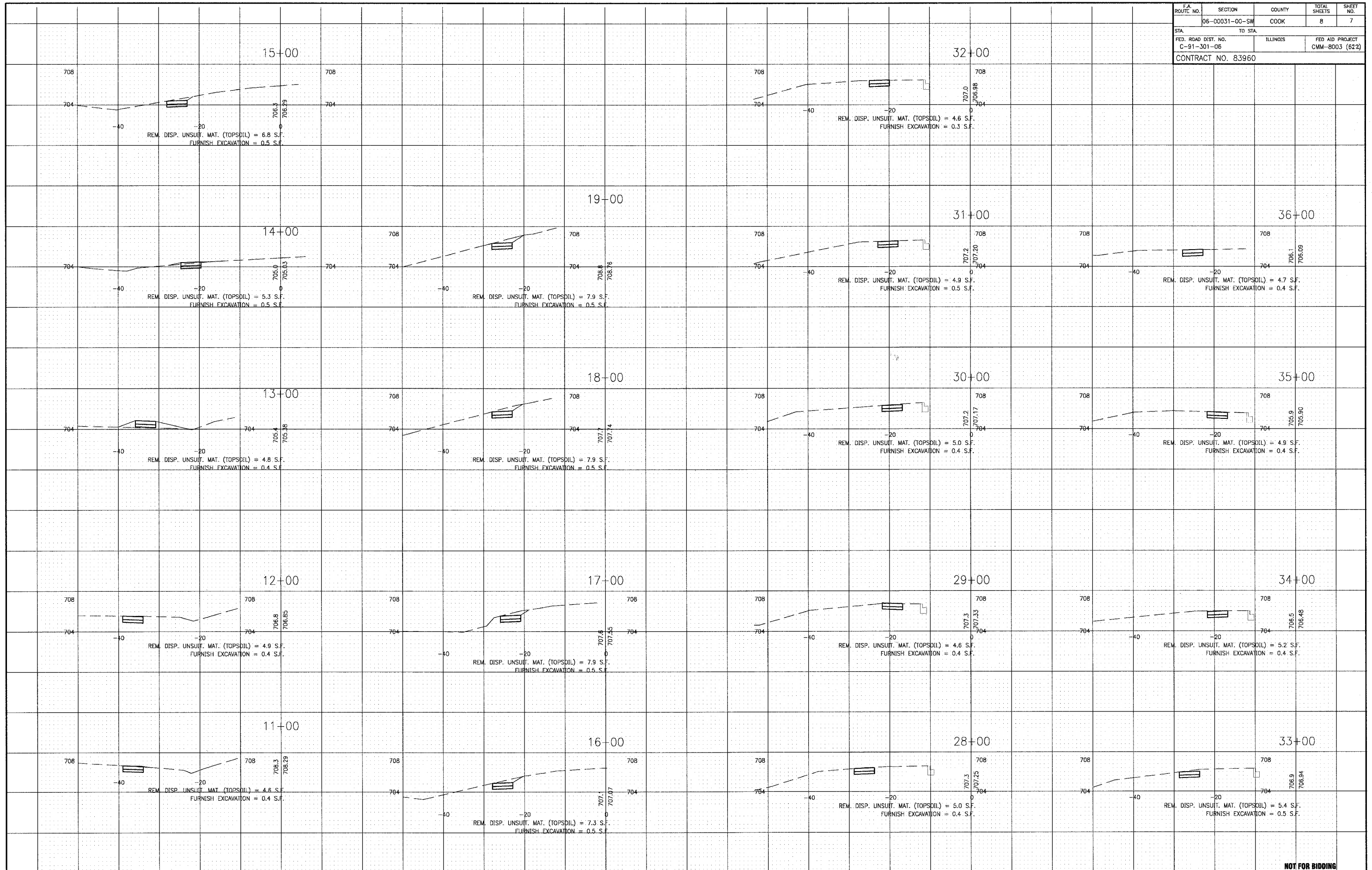
CITY OF COUNTRY CLUB HILLS, ILLINOIS
187th STREET/186TH PLACE SIDEWALK IMPROVEMENTS

186TH PLACE
STA. 27+32 TO STA. 36+50
PLAN

NOT FOR BIDDING

DESIGNED BY	MWP	SCALE	HORIZ: 1"=20'
DRAWN BY	KAR	PROJECT NO.	051543.40
CHECKED BY	MWP	SHEET NO.	
DATE	3-30-07		6 OF 8

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00031-00-SW		COOK	8	7
STA.	TO STA.		ILLINOIS	FED AID PROJECT
C-91-301-06				CMM-8003 (622)
CONTRACT NO. 83960				



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REV. NO.	DATE	DESCRIPTION
1	5-29-07	CITY/IDOT REVIEW
2	6-07-07	CITY/IDOT REVIEW

* - REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 1000 Lakes Tower
 Naperville, Illinois 60563-1000
 Phone: 630.335.1000
 Fax: 630.335.1001
 Website: www.baxterandwoodman.com

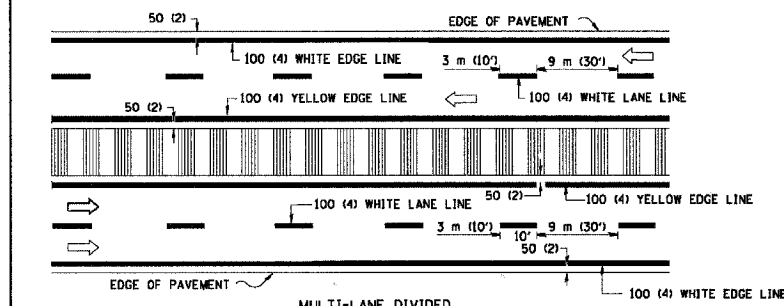
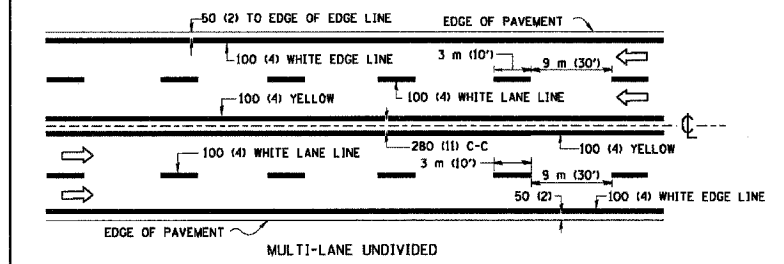
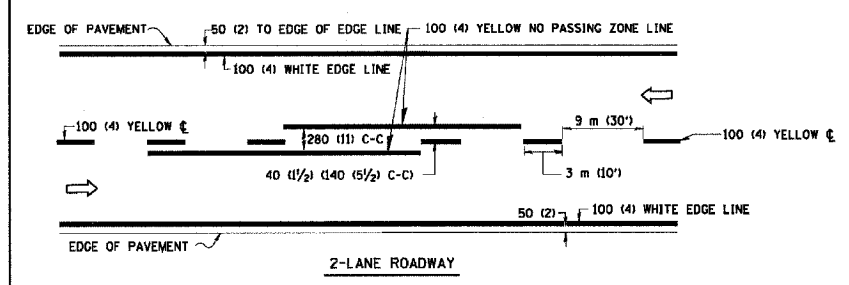
CITY OF COUNTRY CLUB HILLS, ILLINOIS
187th STREET/186TH PLACE SIDEWALK IMPROVEMENTS

187TH STREET STA. 10+35 TO STA. 19+82
186TH PLACE STA. 27+32 TO STA. 36+50
CROSS SECTIONS

NOT FOR BIDDING

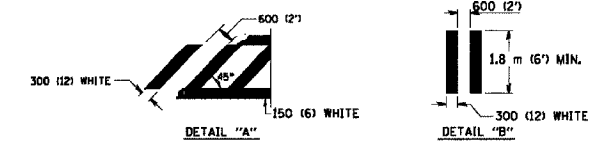
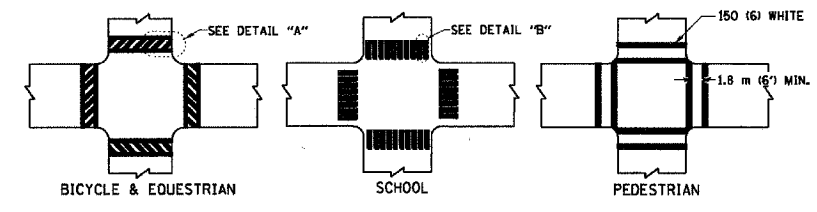
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DRAWN BY	KAR	HORIZ: 1" = 10'
CHECKED BY	MWP	PROJECT NO. 051543.40
DATE	3-30-07	SHEET NO. 7 OF 8

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
06-00031-00-SW		COOK	8	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
C-91-301-06		CMM-8003 (62)		
CONTRACT NO.: 83960				

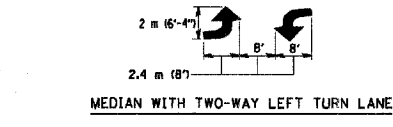
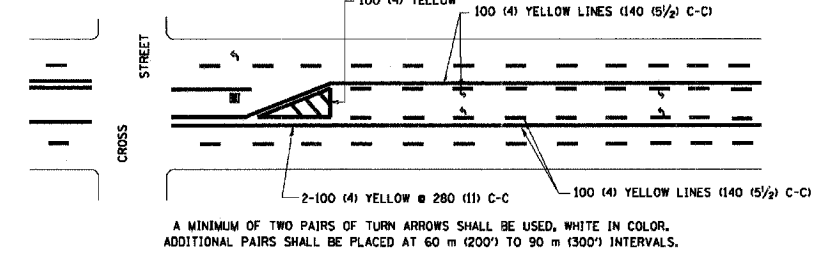
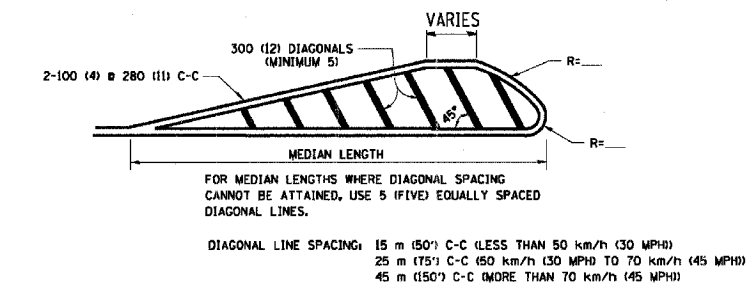
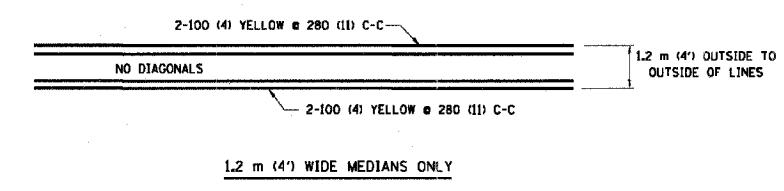


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

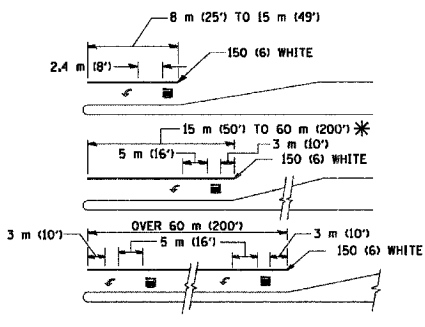
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

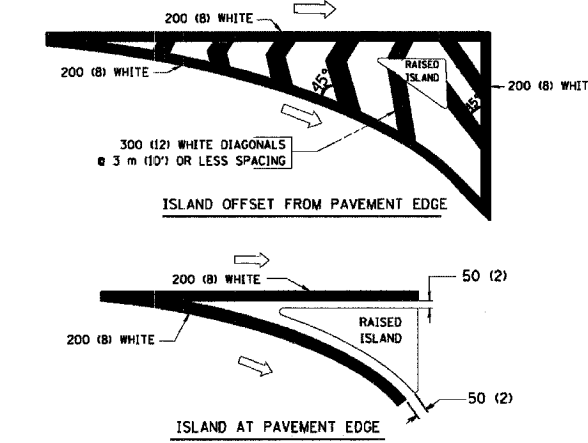


TYPICAL TURN LANE MARKING



* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL))	2 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m² (3.6 SQ. FT.) EACH "X"=5.0 m² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DISTRICT ONE
TYPICAL PAVEMENT
MARKINGS**
SCALE: NONE
DATE: 2/15/2006
DRAWN BY CAD
CHECKED BY
TC-13
REVISION DATE: 01/06/00

I:\CCH\CV\051543\40-Design\dwg\051543-DIST1-DTETS.dwg - SHEB
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PLOT DATE = 2/15/2006
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 USER NAME = gmg/andrew