

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00042-00-BT	COOK	8	1
E.H.W.A. REG.	ILLINOIS	PROJECT:		
CONTRACT NO. 83970				

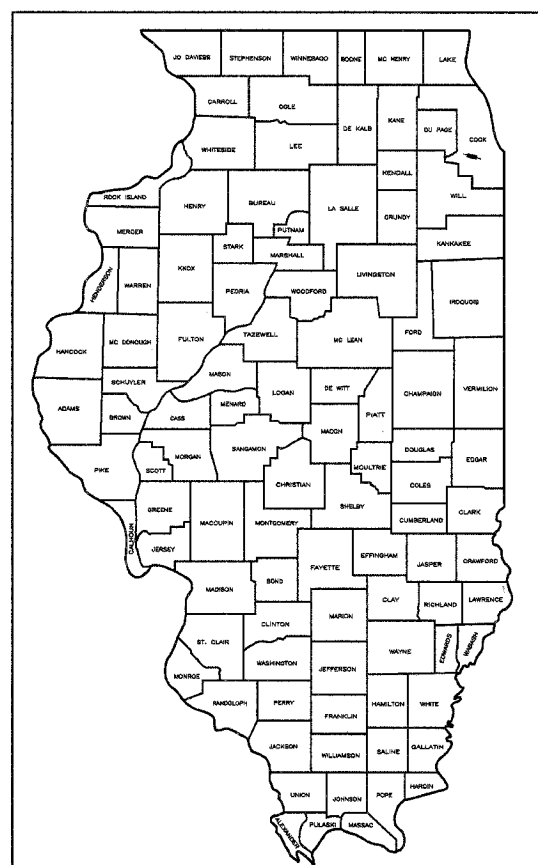
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID URBAN PROJECT

- INDEX OF SHEETS**
- 1.) COVER SHEET, INDEX TO SHEETS, LOCATION MAP, INDEX OF STANDARDS
 - 2.) NOTES AND STANDARD SYMBOLS
 - 3.) SUMMARY OF QUANTITIES
 - 4.) TYPICAL SECTIONS
 - 5.) PLAN & PROFILE
 - 6.) PLAN & PROFILE
 - 7.) EROSION CONTROL PLAN
 - 8.) CROSS SECTIONS

SCALES

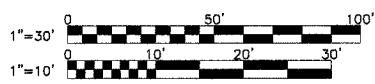
PLAN	1 INCH = 30 FEET
PROFILE HORIZ.	1 INCH = 30 FEET
PROFILE VERT.	1 INCH = 5 FEET
CROSS-SECTIONS HORIZ.	1 INCH = 10 FEET
CROSS-SECTIONS VERT.	1 INCH = 5 FEET

**LAKE KATHERINE BIKE PATH
FEDERAL PROJECT CMM-8003(918)
CITY SECTION NO. 07-00042-00-BT
RECONSTRUCTION
CITY OF PALOS HEIGHTS
COOK COUNTY
JOB NO. C-91-072-08**

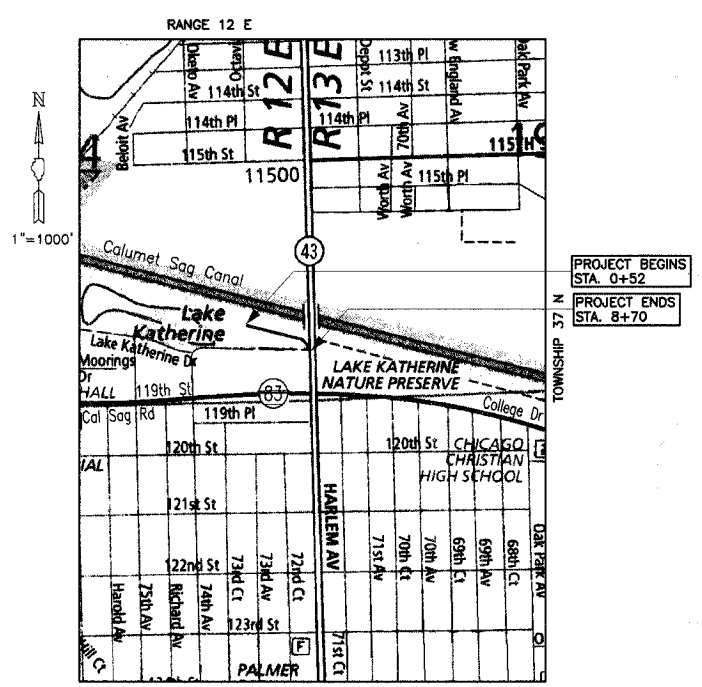


LOCATION OF SECTION INDICATED THIS: —

- LIST OF ILLINOIS DOT HIGHWAY STANDARDS**
- | | |
|-----------|---|
| 000001-05 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS |
| 280001-04 | TEMPORARY EROSION CONTROL SYSTEMS |
| 701606-05 | URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN |
| 701901 | TRAFFIC CONTROL DEVICES |



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



LOCATION MAP

— DENOTES PROJECT LOCATION
NET LENGTH OF PROJECT = 818 LIN FT (0.15 MILE)
GROSS LENGTH OF PROJECT = 818 LIN FT (0.15 MILE)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED October 23 2007

PASSED November 27 2007

RELEASING FOR BID BASED ON LIMITED REVIEW Nov 27 2007

DIRECTOR OF PUBLIC WORKS, PALOS HEIGHTS
DISTRICT #1 ENGINEER OF LOCAL ROADS AND STREETS
DEPUTY DIRECTOR OF HIGHWAYS, REGION #1 ENGINEER

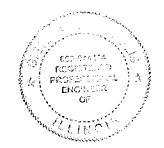
ENGINEER'S CERTIFICATION
STATE OF ILLINOIS) SS.
COUNTY OF DUPAGE)

I, SIGITAS P. VAZNELIS, A REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY MORRIS ENGINEERING, INC. 5100 S. LINCOLN AVENUE, SUITE 100, LISLE, ILLINOIS, 60532 UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.

DATED THIS 22nd DAY OF October, A.D. 2007

ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-044114
MY REGISTRATION EXPIRES ON NOVEMBER 30, 2007

NOTE: UNLESS THIS DOCUMENT BEARS THE ORIGINAL SIGNATURE AND SEAL OF THE DESIGN PROFESSIONAL ENGINEER, IT IS NOT A VALID TECHNICAL SUBMISSION.



LOCAL ROADS FIELD ENGINEER: MELCHOR MANGOBA (847)705-4408
 CONSULTANT: MORRIS ENGINEERING, INC. (630) 271-0770
 PLOT DATE: OCT. 22, 2007
 FILE NAME: I:\06-PAV\06042\00-BT\07-00042-00-BT\07-00042-00-BT-SITE.dwg

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00042-00-BT	COOK	8	2
F.H.W.A. REG.	ILLINOIS	PROJECT:		
CONTRACT NO. 83970				

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007 AND THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2008 OR LATEST EDITION.
- THE CONTRACTOR SHALL BE AWARE OF POTENTIAL CONFLICTS WITH EXISTING UTILITIES AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL EXCAVATE AROUND UTILITIES TO DETERMINE ELEVATIONS BEFORE BEGINNING CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EACH OF THE UTILITY COMPANIES BEFORE ANY WORK COMMENCES. MARKED LOCATIONS BY UTILITIES SHALL BE STAKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
- THE OWNER WILL FURNISH THE CONTRACTOR WITH LINES, GRADES AND ELEVATIONS NECESSARY TO THE PROPER PROSECUTION AND CONTROL OF THE WORK ONCE.
- THE CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST SEVENTY-TWO (72) HOURS NOTICE FOR ANY STAKING TO BE DONE. EACH OF THE VARIOUS ITEMS OF WORK COVERED BY THIS CONTRACT WILL BE STAKED ONCE. ADDITIONAL STAKING REQUIRED DUE TO THE CONTRACTOR'S NEGLIGENCE IN PRESERVING THE STAKES SHALL BE PAID FOR BY THE CONTRACTOR AT THE CURRENT HOURLY RATE.
- THE CONTRACTOR SHALL INFORM THE ENGINEER AND THE CITY OF PALOS HEIGHTS AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

TELEPHONE NUMBERS: ENGINEER - (630) 271-0770
CITY OF PALOS HEIGHTS - (708) 361-1804
- THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS AND SPECIFICATIONS AND SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES THAT THE CONTRACTOR DISCOVERS DURING THE BIDDING PERIOD. SAID DISCREPANCIES WILL BE CLARIFIED BY THE ENGINEER TO THE BEST OF HIS ABILITY PRIOR TO RECEIPT OF BIDS.
- THE CONTRACTOR RESPONSIBLE FOR DRAINAGE IMPROVEMENTS (UNDERGROUND STRUCTURES AND CONDUITS) SHALL DISPOSE OF ALL SUITABLE SURPLUS EXCAVATED MATERIAL APPROVED BY THE ENGINEER FROM TRENCHES OR STRUCTURE EXCAVATIONS AND SHALL DEPOSIT SAID SURPLUS MATERIALS ON THE SITE IN ACCORDANCE WITH THE GRADING PLAN OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOT PLACE ANY EXCAVATED MATERIAL UPON ANY TOPSOIL. THE TOPSOIL SHALL BE REMOVED FROM ALL AREAS TO BE FILLED AND SHALL BE STOCKPILED IN AREAS AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL NOT DISCHARGE INTO STREAMS, PONDS, WETLANDS OR ITS TRIBUTARIES ANY MOTOR OIL, TRANSMISSION FLUID, LUBRICANTS OR ANY OTHER PETROLEUM DISTILLATES. ANY PETROLEUM DISTILLATES DISCHARGED ON THE GROUND SURFACE SHALL BE PROMPTLY AND PROPERLY REMOVED PRIOR TO THE RESUMPTION OF ANY WORK ON THE PROJECT.
- THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING FIELD TILES. ANY FIELD TILES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE. INVESTIGATION SHALL BE MADE TO INSURE THAT FIELD TILES DO NOT CONVEY OFF SITE WATER. TILES THAT CONVEY OFF SITE WATER SHALL BE REROUTED THROUGH THE SITE. TILES THAT DO NOT CONVEY OFF SITE WATER SHALL BE ABANDONED IN AN APPROPRIATE MANNER APPROVED BY THE CITY ENGINEER. FIELD TILES WITHIN A RIGHT-OF-WAY SHALL BE REMOVED AND BACKFILLED WITH CA-6 COMPACTED IN EIGHT INCH LIFTS TO THE BOTTOM OF THE ROADWAY BASE. EXISTING FIELD TILES SHALL BE REMOVED BY SLIT TRENCHING. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL PLACE TOPSOIL AT A 4" MINIMUM DEPTH AND SEED OR SOD ALL AREAS DESIGNATED BY THE ENGINEER.
- THE CONTRACTOR SHALL EXAMINE THE DRAINAGE PATTERNS SHOWN ON THE PLANS AND MAKE CERTAIN THAT ALL OVERFLOW POINT ELEVATIONS AND CROSS SECTIONS ARE CONSTRUCTED STRICTLY IN ACCORDANCE WITH THOSE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) 48 HOURS PRIOR TO ANY WORK IN THE RIGHT OF WAY OR EASEMENTS TO LOCATE UTILITIES, AND CONTACT THE OWNER'S REPRESENTATIVE SHOULD PUBLIC UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
- THE APPROXIMATE LOCATION OF KNOWN PUBLIC UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE ENGINEER DOES NOT GUARANTEE ITS ACCURACY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EACH OF THE UTILITY COMPANIES BEFORE ANY WORK COMMENCES.
- ALL PROPOSED ELEVATIONS SHOWN ARE RELATIVE TO U.S.G.S. DATUM/HIGHWAY DATUM (NGS).
- ALL SLOPE WIDENINGS ARE TO BE BENCHED INTO EXISTING SLOPES AS OUTLINED IN ARTICLE 205 OF IDOT'S STANDARD SPECIFICATIONS.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

- SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE URBAN COMMITTEE OF THE ASSOCIATION OF ILLINOIS SOIL AND WATER CONSERVATION DISTRICTS' PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS AND ALL REVISIONS THERETO AND IN ACCORDANCE WITH THE DETAILS ON THE PLANS.
- THE FOLLOWING PRINCIPLES SHALL APPLY TO ALL MOVEMENT OF EARTH AND STORM DRAINAGE. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON SITE.
- THE SMALLEST PRACTICAL AREA OF LAND IS TO BE EXPOSED AT ANY GIVEN TIME DURING CONSTRUCTION. EXPOSURE SHALL BE KEPT TO AS SHORT A DURATION OF TIME AS IS PRACTICAL.
- THE CONTRACTOR SHALL INSTALL TEMPORARY SEEDING WHERE EXPOSED AREAS REQUIRE PROTECTION TO CONTROL SOIL EROSION AND SEDIMENTATION DURING CONSTRUCTION AS SPECIFIED HEREIN AND AS DIRECTED BY THE OWNER OR ENGINEER. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN 15 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE. PERMANENT STABILIZATION SHALL BE DONE WITHIN 15 DAYS AFTER COMPLETION OF FINAL GRADING OF THE SOIL. TEMPORARY SEEDING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- THE CONTRACTOR SHALL INSTALL SEDIMENT BASINS OR SILT TRAPS IF SPECIFIED ON THE DRAWINGS TO CONTROL SEDIMENT FROM LEAVING THE SITE.
- STABILIZE AND PROTECT DISTURBED AREAS. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES. MECHANICAL, STRUCTURAL, AND/OR VEGETATIVE CONTROL METHODS SHALL BE USED IN ORDER TO RETARD SOIL EROSION IF DIRECTED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE.
- KEEP RUN-OFF VELOCITIES LOW WITH SHORT SLOPES AND LOW GRADIENTS. THE INSTALLATION OF NATURAL VEGETATIVE COVER HELPS TO KEEP STORM WATER VELOCITIES LOW, AND THUS LIMIT SOIL EROSION EFFECTS.
- PROTECT DISTURBED AREAS FROM STORM WATER RUN-OFF. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. PROTECTIVE MEASURES SHALL BE UTILIZED TO DIVERT RUN-OFF FROM DISTURBED AREAS.
- RETAIN SEDIMENT WITHIN THE SITE AREA - SEDIMENT BASINS SHALL BE CONSTRUCTED IN ORDER TO DETAIN SEDIMENT LADEN RUN-OFF SO THAT THE SOIL PARTICLES SETTLE OUT. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
- NATURAL PLANT COVER SHALL BE MAINTAINED AND PROTECTED AND ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION.
- PROTECTION OF EXISTING FACILITIES AND UTILITIES - THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY FACILITIES FOR THE PROTECTION OF ALL EXISTING UTILITIES ON OR ADJACENT TO THE PROJECT. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT. FURTHERMORE, ANY DAMAGE DONE BY HIM, HIS AGENTS, OR ASSIGNS SHALL BE REPAIRED AT NO ADDITIONAL COMPENSATION.
- DIRT ON PAVEMENT - WHERE A CONTRACTOR'S EQUIPMENT IS OPERATED UPON AN EXISTING PAVEMENT USED BY TRAFFIC THE CONTRACTOR SHALL CLEAN THE PAVEMENT OF ALL DIRT AND DEBRIS AT THE END OF EACH DAY'S OPERATIONS AND AT OTHER TIMES AS DIRECTED BY THE OWNER, THE ENGINEER, OR THE GOVERNING MUNICIPALITY. THE CLEANING WORK SHALL BE CONSIDERED AS INCIDENTAL AND INCLUDED IN THE COST OF THE CONTRACTOR'S CONTRACT FOR THE WORK TO BE PERFORMED.
- DUST CONTROL - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF EXCESSIVE DUST DURING THE CONSTRUCTION PERIOD UNTIL THE ROAD PAVEMENT IS INSTALLED BY THE PAVING CONTRACTOR. THE REQUIREMENT FOR DUST CONTROL SHALL BE AS DIRECTED BY THE LOCAL APPROVING AUTHORITIES OR THE ENGINEER. AND SUCH DUST CONTROL (IF REQUIRED) SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- INLET PROTECTION SHALL BE PROVIDED FOR ANY OPEN LID. FILTER FABRIC SHALL BE PLACED ACROSS THE FRAME AND THE LID DROPPED IN PLACE.
- THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING MUNICIPALITY.
- WHEN A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE (3) DAYS, SEDIMENT AND EROSION CONTROL MEASURES WILL BE IMPLEMENTED.
- THE CONTRACTOR SHALL MAKE AN EFFORT TO MINIMIZE USE OF HEAVY EQUIPMENT WITHIN THE DESIGNATED DRAINAGE FACILITIES.
- NO STOCKPILING WITHIN DRIP LINE OF TREES. MAINTAIN TWENTY FIVE (25) FEET MINIMUM DISTANCE BETWEEN STOCKPILES AND DRAINAGE WAY, AND SILT FENCE OR VEGETATIVE COVER ON DOWNHILL SIDE.

LEGEND

PROPOSED	EXISTING	
		- SANITARY MANHOLE
		- SANITARY FLOW
		- SANITARY FORCE MAIN
		- STORM MANHOLE
		- CATCH BASIN
		- INLET
		- FLARED END SECTION
		- STORM FLOW
		- WATER VALVE
		- BUFFALO BOX
		- FIRE HYDRANT
		- WATER MAIN
		- SURFACE FLOW
		- LIGHT FIXTURES
		- SIGNS
		- CONTOURS
		- UNDERGROUND PHONE LINE
		- UNDERGROUND ELECTRICAL LINE
		- UNDERGROUND GAS LINE
		- UNDERGROUND TELEVISION LINE
		- FLOOD ROUTE
		- SOIL EROSION, STRAW BALE PROTECTION FOR STRUCTURES
		- SOIL EROSION, GEOTEXTILE PROTECTION FOR STRUCTURES (IN PARKING AREAS)
		- SOIL EROSION, STRAW BALE PROTECTION FOR CULVERTS & FLARED ENDS
		- SOIL EROSION, DITCH CHECKS
		- SILT FENCE

MORRIS ENGINEERING, INC.
5100 S. LINCOLN SUITE 100 LISLE, ILLINOIS 60532
PHONE: (630)271-0770 • WEBSITE: ECIVIL.COM

LOCATION: H:\06-PH\3002\PLANS-ENG\REV-3\dwg\06-PH-3002-SHEET-SITE.dwg
DRAWN BY : CJS DESIGN BY: RAC CHECKED BY: JJV
JOB NO. : 06-PH-3002 SCALE: NTS

HARLEM AVENUE BIKE PATH EXTENSION

NOTES AND STANDARD SYMBOLS

DATE	REVISIONS	BY	SHEET
1 8-28-07	PER IDOT LETTER OF 7-31-07	RAC	2
2 10-01-07	PER IDOT LETTER OF 9-27-07	RAC	
3 10-19-07	PER IDOT BLR	RAC	
4			

OF 8 SHEETS

PLOT DATE: DEC 22, 2007
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00042-00-BT	COOK	8	3
F.H.W.A. REG.	ILLINOIS	PROJECT:		
CONTRACT NO. 83970				

ITEM #	ITEMS	UNIT	Y047 QUANTITY
20101700	SUPPLEMENTAL WATERING	UNIT	4
20200100	EARTH EXCAVATION	CU YD	635 *
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,145 *
25000312	SEEDING, CLASS 4A	ACRE	0.1
25000322	SEEDING, CLASS 5A	ACRE	0.1
25100630	EROSION CONTROL BLANKET	SQ YD	722
28000400	PERIMETER EROSION BARRIER	FOOT	1,240
35101400	AGGREGATE BASE COURSE, TYPE B	TON	360
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	515
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	133 *
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	89 *
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	755 *
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	94 *
67100100	MOBILIZATION	L SUM	1 *
70106204	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, LOCATION 4	L SUM	1 *
X0325522	REINSTALLING EXISTING STEEL GATE ASSEMBLY	EACH	1 *
X0359600	REMOVE AND REINSTALL WOOD SIGN POST	EACH	1 *
X007091	STABILIZED TURF SHOULDER	SQ YD	365 *

* REQUIRES SPECIAL PROVISION
 Δ DENOTES SPECIALTY ITEMS

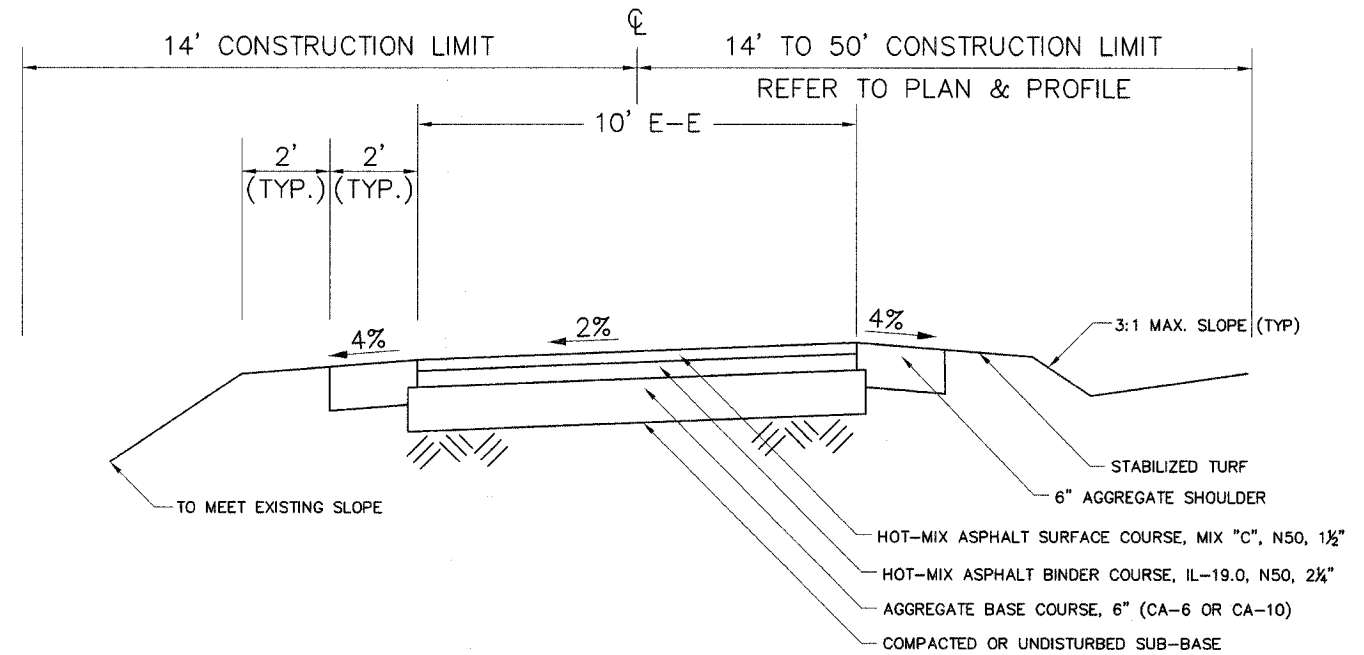
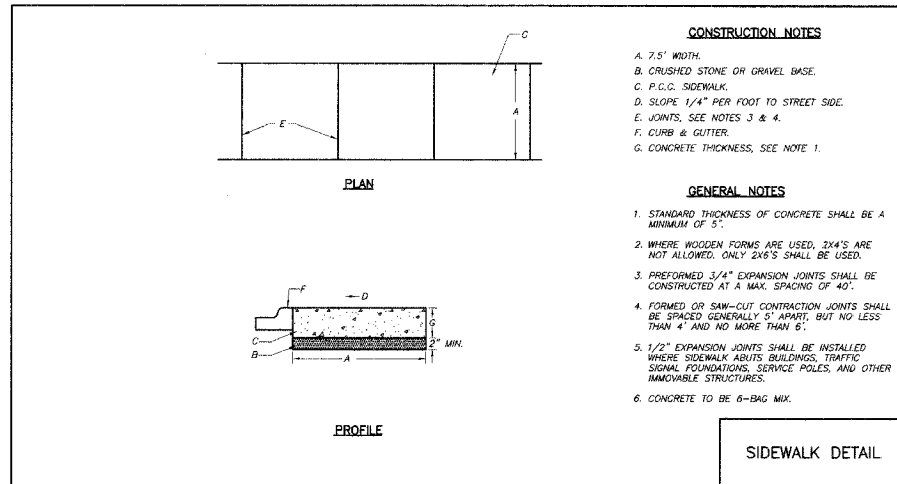
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 DRAWN BY : CJS DESIGN BY: RAC CHECKED BY: JJV
 JOB NO. : 06-PH-3002 SCALE: NTS

**HARLEM AVENUE
 BIKE PATH EXTENSION
 SUMMARY OF QUANTITIES**

DATE	REVISIONS	BY	SHEET
1 8-28-07	PER IDOT LETTER OF 7-31-07	RAC	3 OF 8 SHEETS
2 10-01-07	PER IDOT LETTER OF 9-27-07	RAC	
3 10-19-07	PER IDOT BLR	RAC	
4			

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00042-00-BT	COOK	8	4
F.H.W.A. REG.	ILLINOIS	PROJECT:		
CONTRACT NO. 83970				



PROPOSED TYPICAL SECTION - BIKE PATH

STA. 0+52 TO STA. 7+72
STA. 10+00 TO STA. 11+62.61
NTS

HOT-MIX MIXTURE REQUIREMENTS			
MIXTURE TYPE	AC TYPE	VOIDS	MAX RAP%
BIKE PATH PAVEMENT			
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"	PG 64-22	4% @ 50 GYR	15
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"	PG 64-22*	4% @ 50 GYR	25

The Unit Weight used to calculate all Hot-Mix Asphalt Surface Mixture Quantities is 112 lbs/sq yd/in

* When RAP exceeds 20%, the new asphalt binder in the mix shall be PG 58-22.

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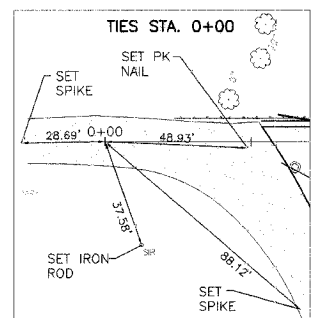
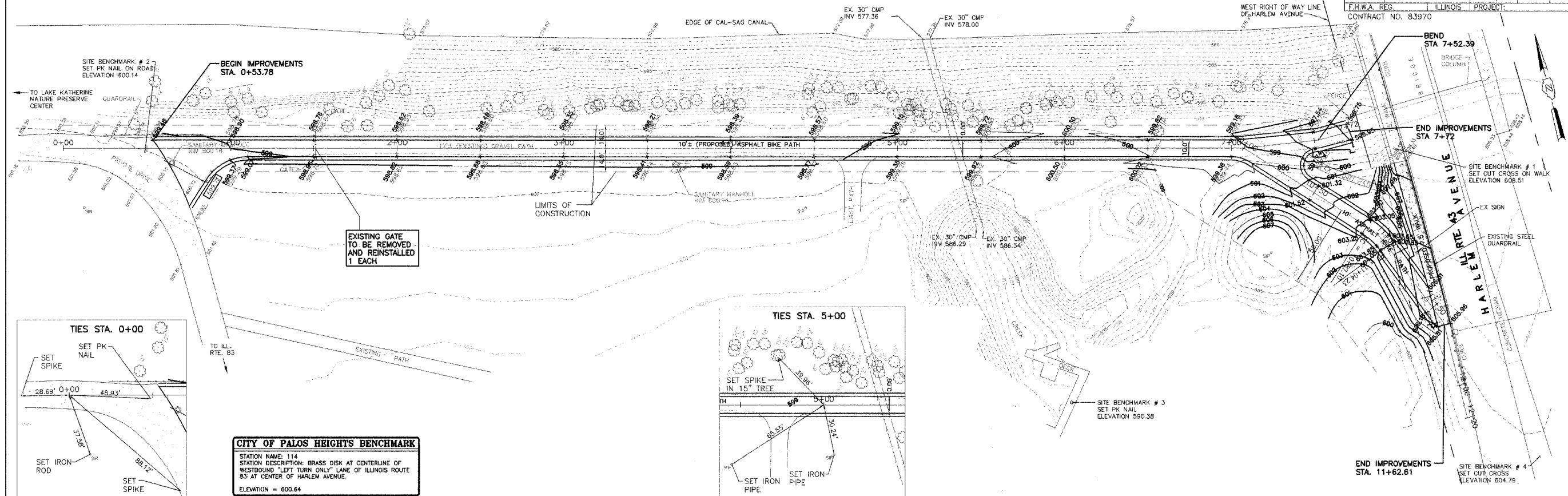
HARLEM AVENUE BIKE PATH EXTENSION

TYPICAL SECTION

DATE	REVISIONS	BY	SHEET
8-28-07	PER IDOT LETTER OF 7-31-07	RAC	4 OF 8 SHEETS
10-01-07	PER IDOT LETTER OF 9-27-07	RAC	
10-19-07	PER IDOT BLR	RAC	

PLOT DATE: 08/22/07
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07-00042-00-BT	COOK	ILLINOIS	8	5
F.H.W.A. REG. PROJECT: ILLINOIS CONTRACT NO. 83970				

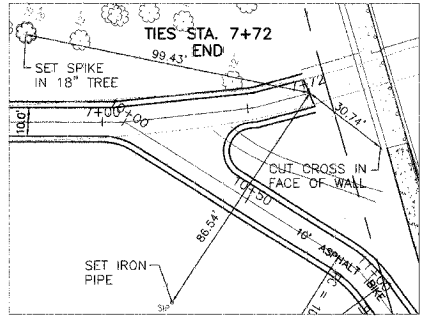
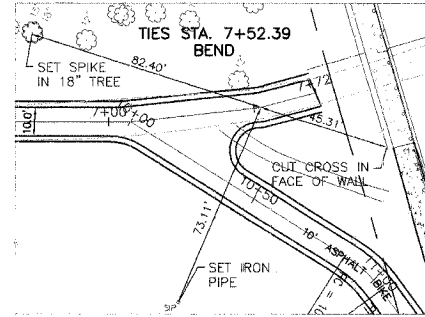
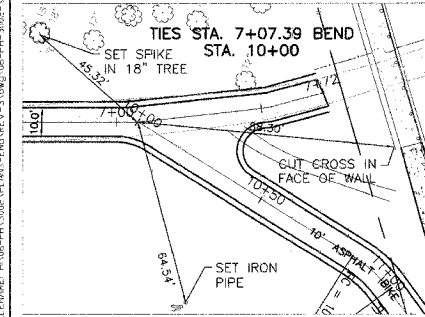
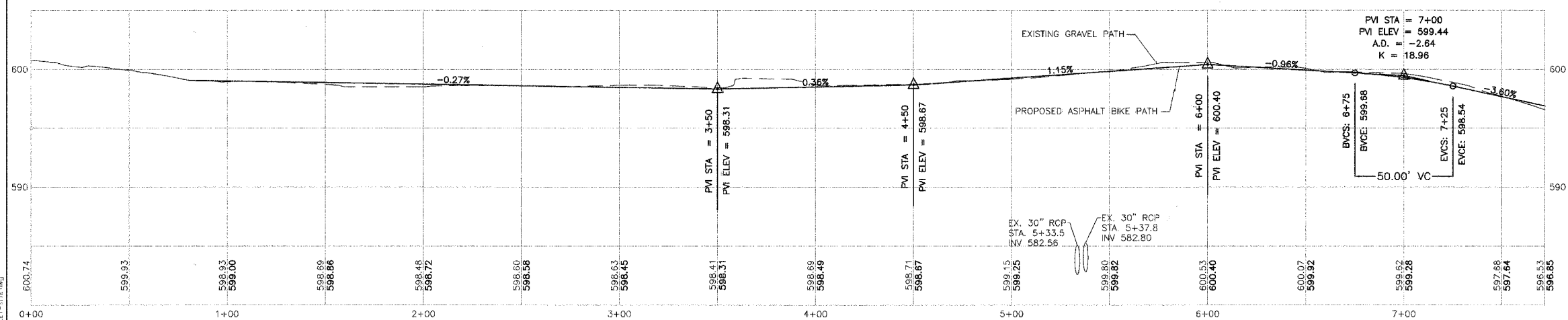
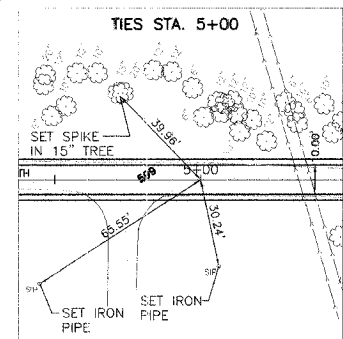


CITY OF PALOS HEIGHTS BENCHMARK

STATION NAME: 114

STATION DESCRIPTION: BRASS DISK AT CENTERLINE OF WESTBOUND "LEFT TURN ONLY" LANE OF ILLINOIS ROUTE 83 AT CENTER OF HARLEM AVENUE.

ELEVATION = 600.64



MORRIS ENGINEERING, INC.

5100 S. LINCOLN SUITE 100 LISLE, ILLINOIS 60532
PHONE: (630)271-0770 • WEBSITE: ECIVIL.COM

LOCATION: H:\06-PH\3002\PLANS-ENG\REV-3\dwg\06-PH-3002-SHEET-SITE.dwg

DRAWN BY: CJS DESIGN BY: RAC CHECKED BY: JUV

JOB NO.: 06-PH-3002 SCALE: 1"=30' H 1"=5' V

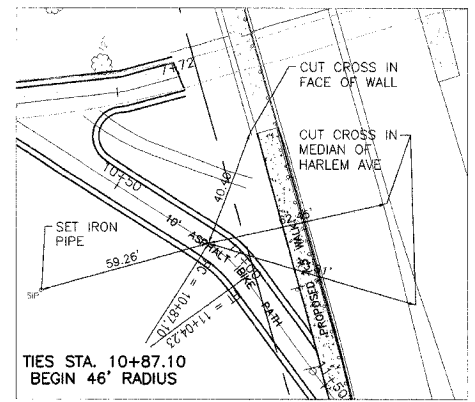
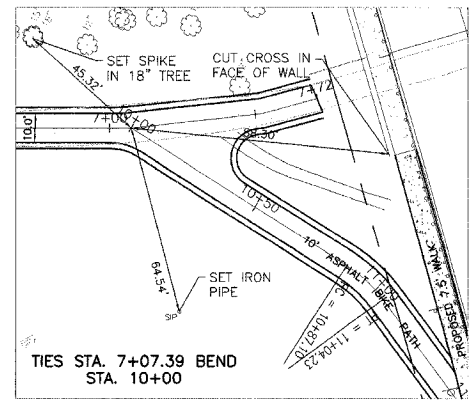
HARLEM AVENUE BIKE PATH EXTENSION

PLAN & PROFILE

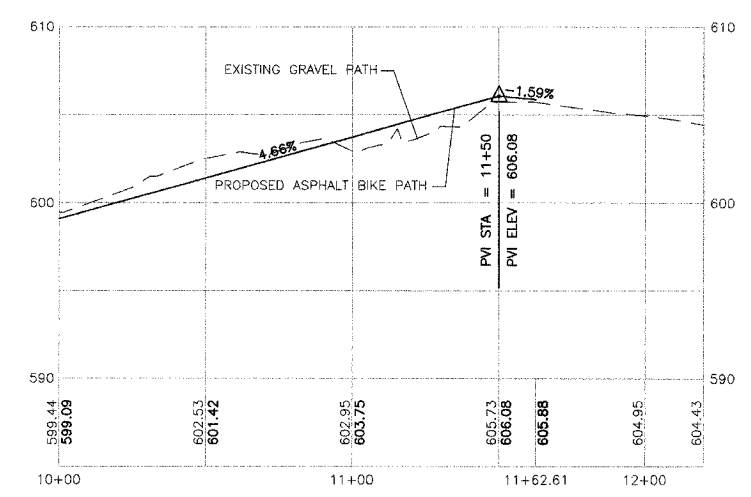
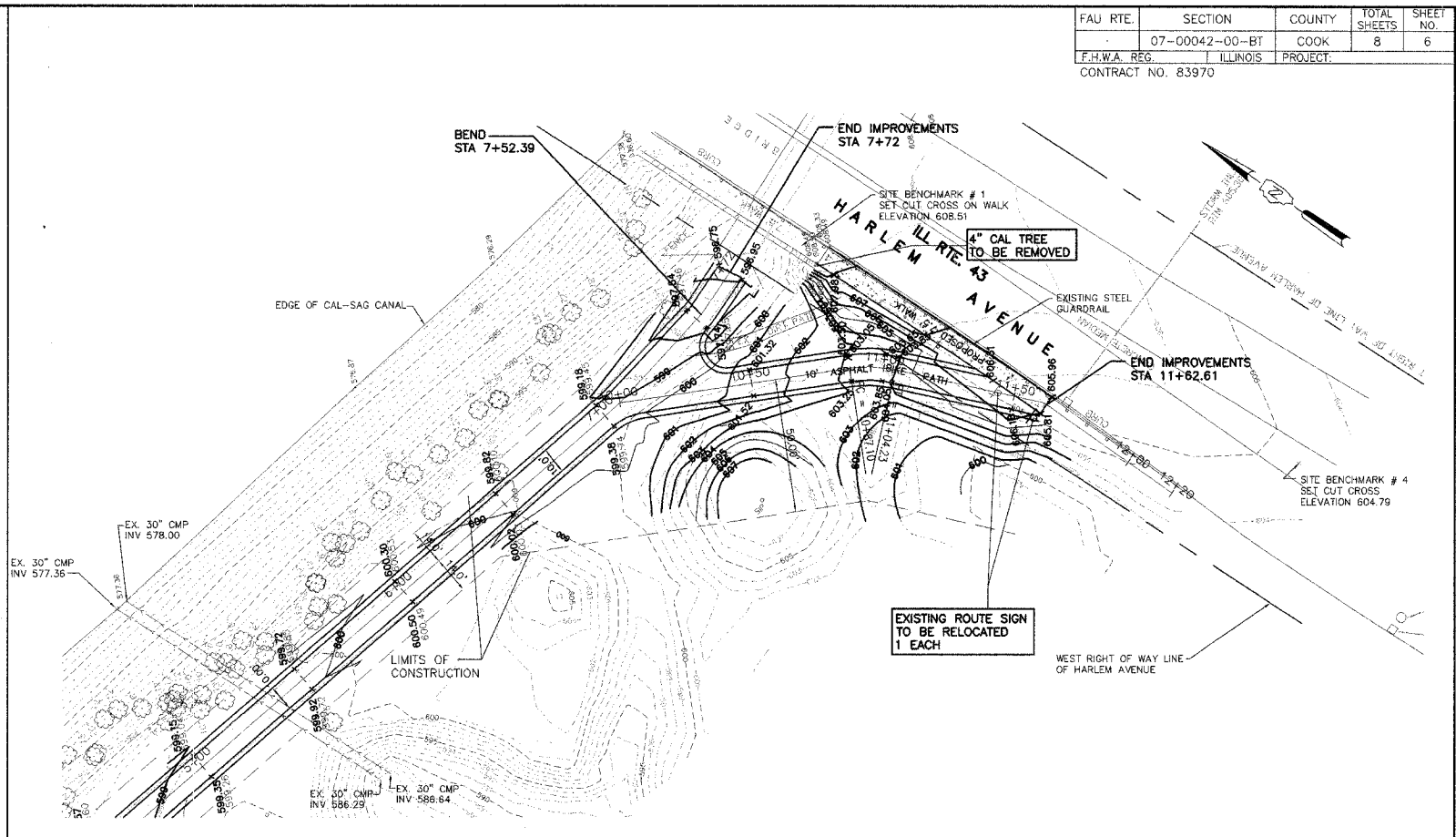
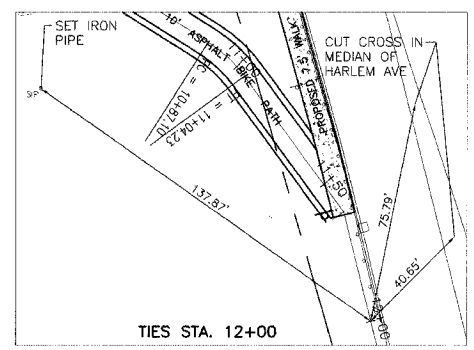
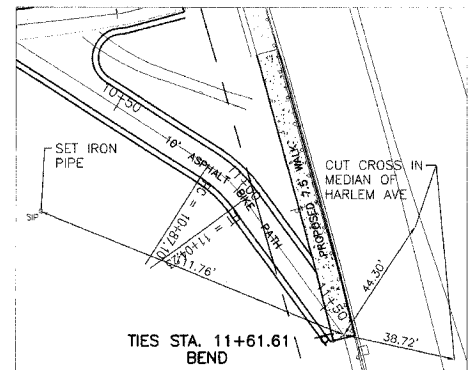
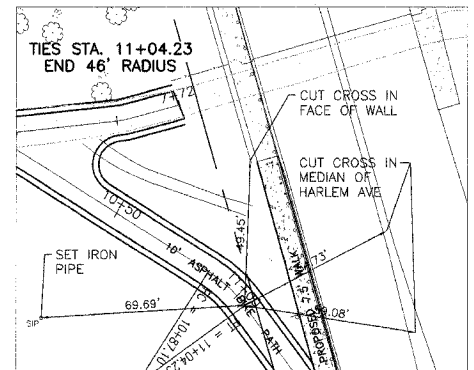
DATE	REVISIONS	BY	SHEET
1 8-28-07	PER IDOT LETTER OF 7-31-07	RAC	5 OF 8 SHEETS
2 10-01-07	PER IDOT LETTER OF 9-27-07	RAC	
3 10-19-07	PER IDOT BLR	RAC	
4			

PLOT DATE: 01-28-2007
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00042-00-BT	COOK	8	6
F.H.W.A. REG.	ILLINOIS	PROJECT:		
CONTRACT NO. 83970				



CURVE DATA
 CURVE #1
 P.C. STA. 10+87.10
 P.T. STA. 11+04.23
 $\Delta = 21'20''11''$
 $R = 46.00'$
 $L = 17.13$
 $CH = 17.03$

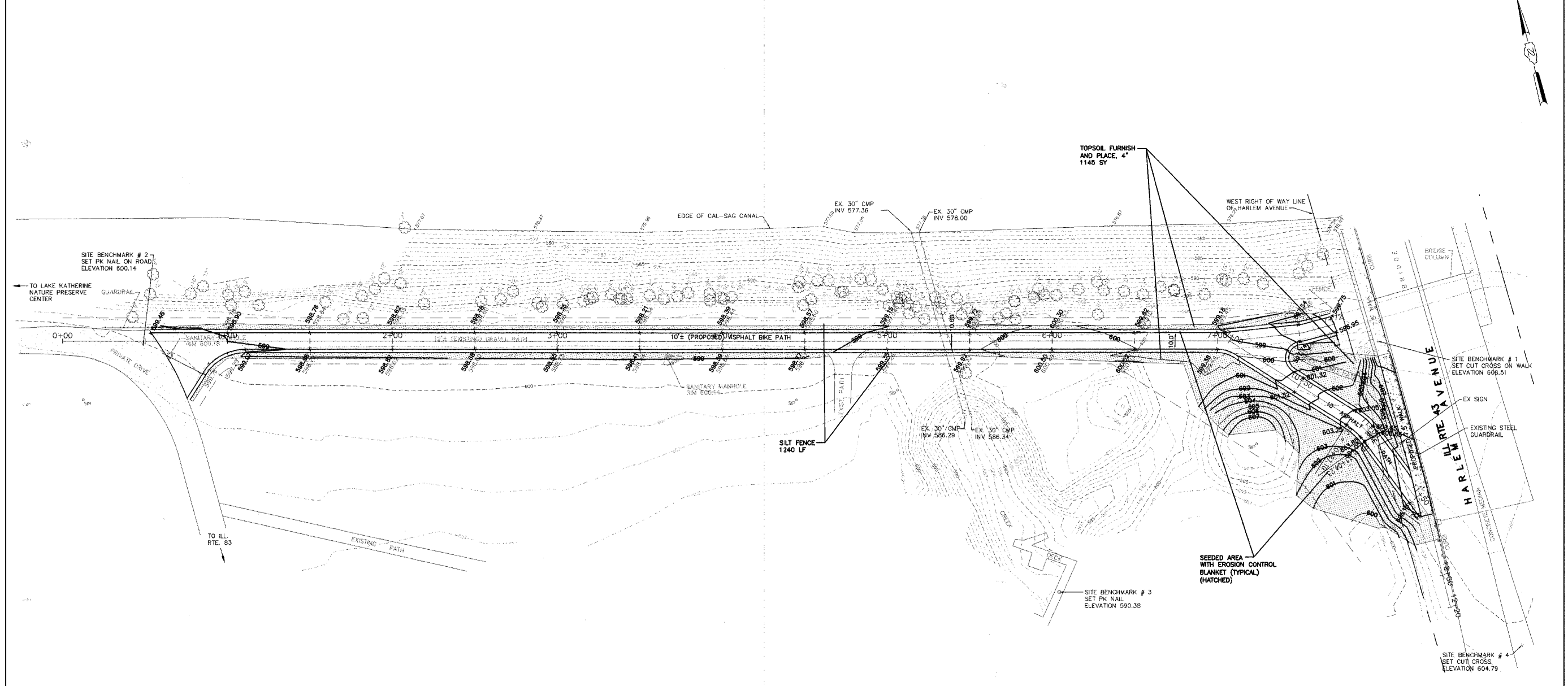


MORRIS ENGINEERING, INC.
 5100 S. LINCOLN SUITE 100 LISLE, ILLINOIS 60532
 PHONE: (630)271-0770 • WEBSITE: ECIVIL.COM
 LOCATION: H:\06-PH\3002\PLANS-DWG\REV-3\dwg\06-PH-3002-SHEET-SITE.dwg
 DRAWN BY: CJS DESIGN BY: RAC CHECKED BY: JJV
 JOB NO.: 06-PH-3002 SCALE: 1"=30' H 1"=5' V

HARLEM AVENUE BIKE PATH EXTENSION			
PLAN & PROFILE			
DATE	REVISIONS	BY	SHEET
8-28-07	PER IDOT LETTER OF 7-31-07	RAC	6
10-01-07	PER IDOT LETTER OF 9-27-07	RAC	
10-19-07	PER IDOT BLR	RAC	
			OF 8 SHEETS

PLT: JMC, DLT, RZ, 8/27/07
 ILLINOIS: 06-PH-3002-PLANS-DWG-REV-3-06-PH-3002-SHEET-SITE.dwg

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00042-00-BT	COOK	8	7
F.H.W.A. REG.	ILLINOIS	PROJECT:		
CONTRACT NO. 83970				

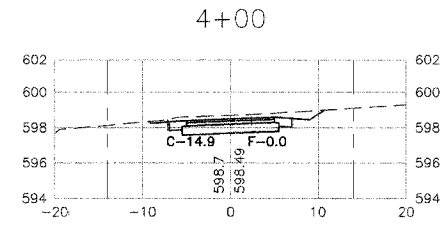
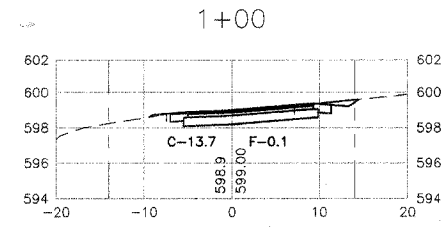
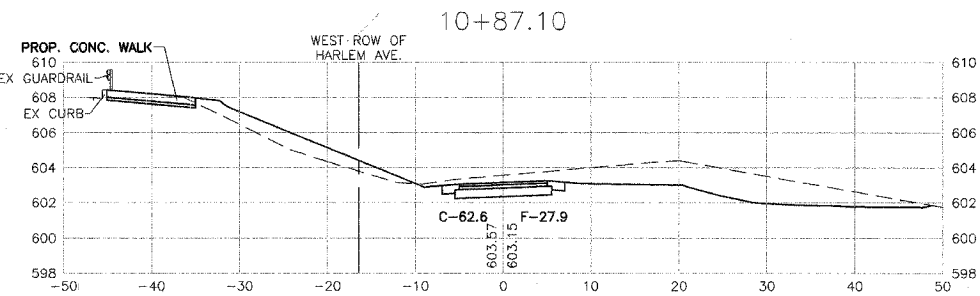
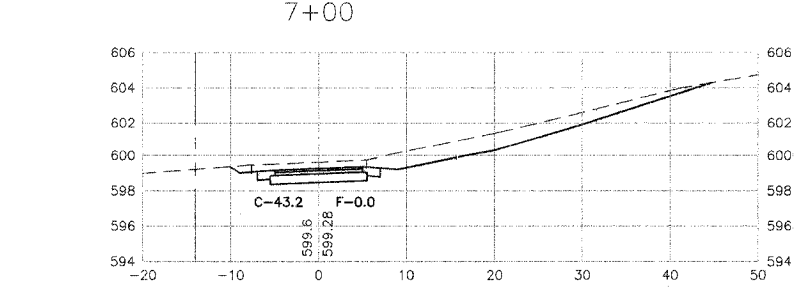
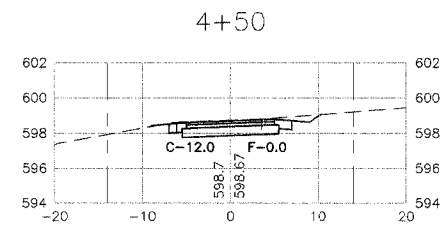
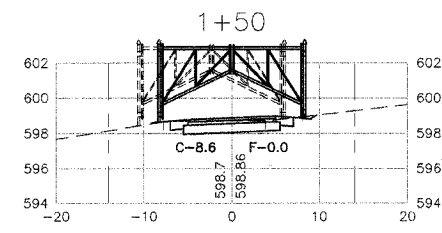
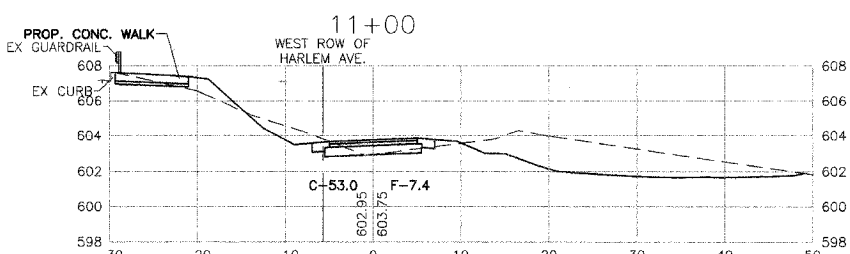
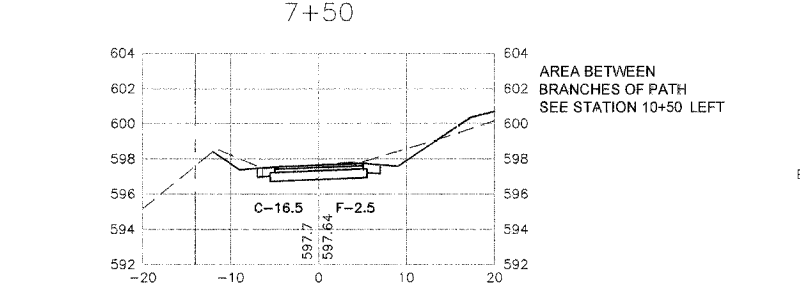
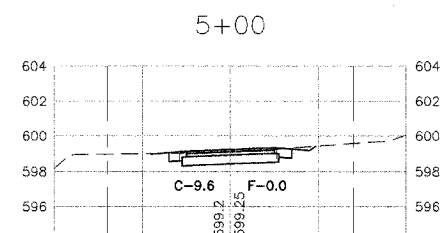
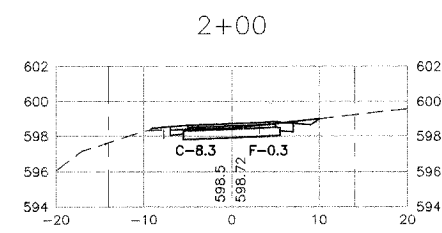
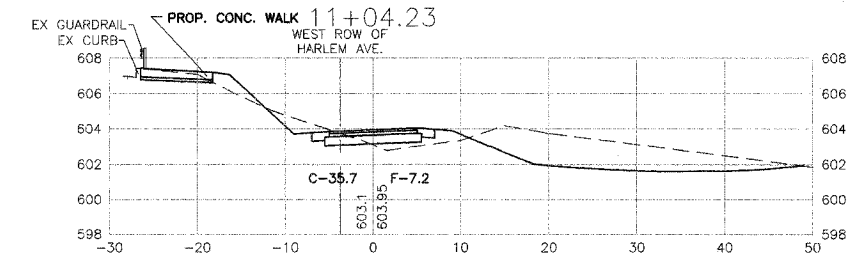
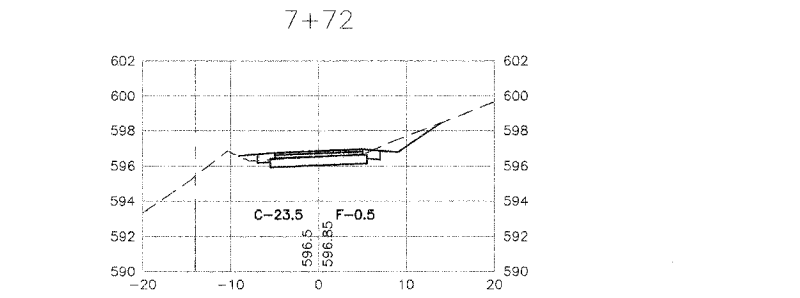
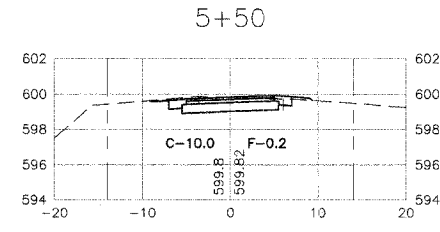
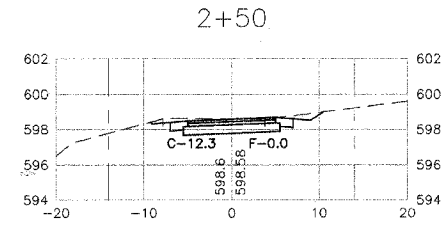
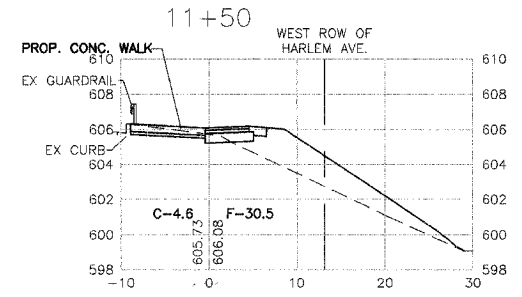
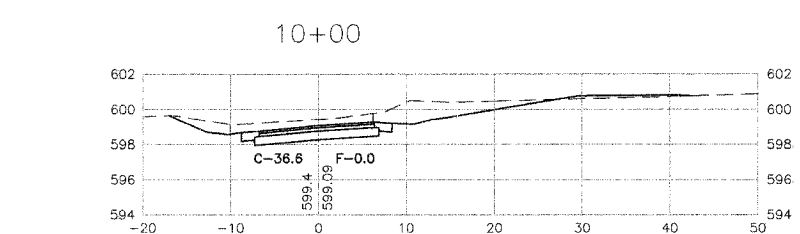
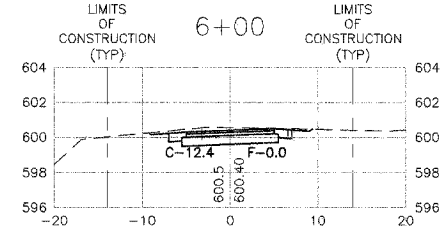
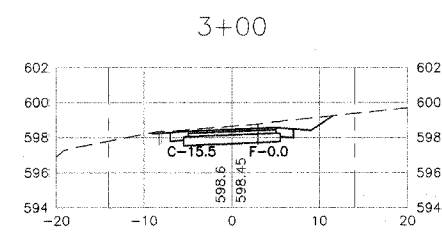
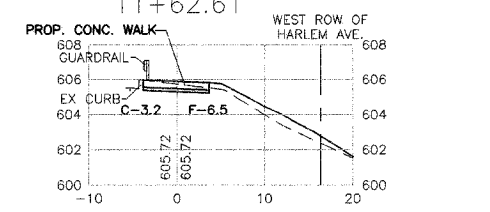
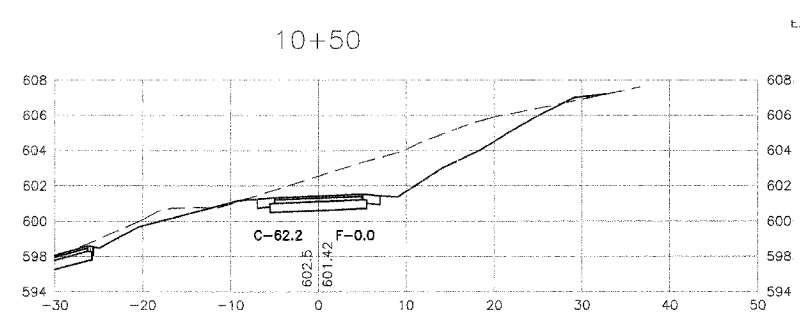
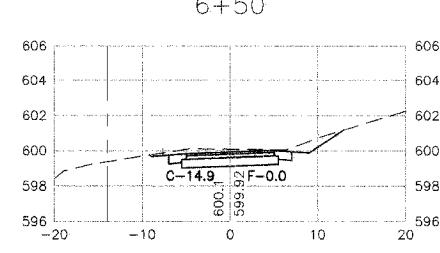
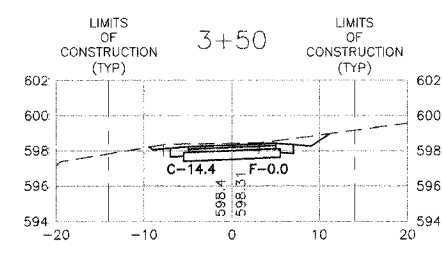


PLOT DATE: 01-22-07
 FILENAME: H:\06-PH\3002\PLANS-ENG\REV-3\06-PH-3002-SHEET-SITE.dwg

MORRIS ENGINEERING, INC.
 5100 S. LINCOLN SUITE 100 LISLE, ILLINOIS 60532
 PHONE: (630)271-0770 WEBSITE: ECIVIL.COM
 LOCATION: H:\06-PH\3002\PLANS-ENG\REV-3\06-PH-3002-SHEET-SITE.dwg
 DRAWN BY: CJS DESIGN BY: RAC CHECKED BY: JUV
 JOB NO.: 06-PH-3002 SCALE: 1"=30' H 1"=5' V

HARLEM AVENUE BIKE PATH EXTENSION			
EROSION CONTROL PLAN			
DATE	REVISIONS	BY	SHEET
8-28-07	PER IDOT LETTER OF 7-31-07	RAC	7
10-01-07	PER IDOT LETTER OF 9-27-07	RAC	
10-19-07	PER IDOT BLR	RAC	
			OF 8 SHEETS

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	07-00042-00-BT	COOK	8	8
F.H.W.A. REG.	ILLINOIS	PROJECT:		
CONTRACT NO. 83970				



AREA BETWEEN BRANCHES OF PATH SEE STATION 10+50 LEFT

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 DRAWN BY: CJS DESIGN BY: RAC CHECKED BY: JUV
 JOB NO.: 06-PH-3002 SCALE: 1"=10' H 1"=5' V

HARLEM AVENUE BIKE PATH EXTENSION
CROSS SECTIONS

DATE	REVISIONS	BY	SHEET
8-28-07	PER IDOT LETTER OF 7-31-07	RAC	8
10-01-07	PER IDOT LETTER OF 9-27-07	RAC	
10-19-07	PER IDOT BLR	RAC	

OF 8 SHEETS

PLOT DATE: OCT 28 2007
 PLOT TIME: 10:05:00 AM
 PLOT USER: JUV