

| CONTRACT NO. 63084 | | | | |
|--------------------|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 1 |

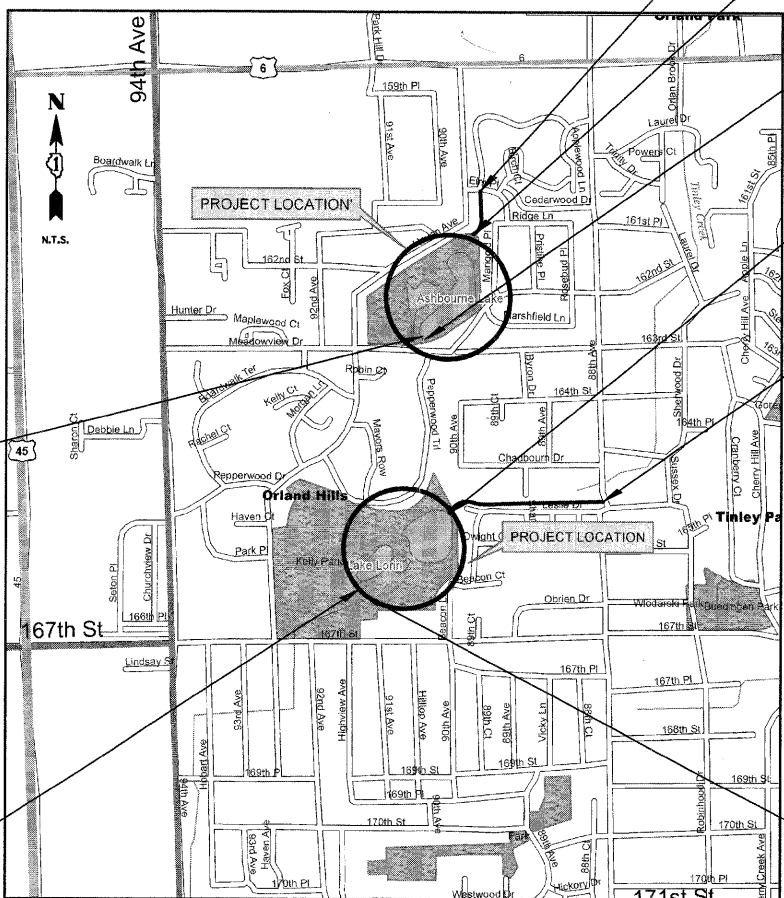
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
ASHBOURNE LAKE AND LAKE LORIN
BIKE TRAIL RECONSTRUCTION
SECTION 06-00021-00-BT
PROJECT M-CMM-HPP-0021(047)
JOB NO. 91-226-08
VILLAGE OF ORLAND HILLS
COOK COUNTY

INDEX OF SHEETS

| DESCRIPTION | SHEET NO. |
|---|-----------|
| TITLE SHEET | 1 |
| GENERAL NOTES AND IDOT STANDARDS | 2 |
| SUMMARY OF QUANTITIES | 3 |
| PROPOSED AND EXISTING TYPICAL SECTIONS | 4 |
| ALIGNMENT, TIES AND BENCHMARKS | 5-6 |
| EARTHWORK SCHEDULE | 7 |
| OVERALL SITE PLAN | 8 |
| BIKE PATH PLAN AND PROFILE | 9-19 |
| SESC DETAILS AND STANDARD NOTES | 20 |
| BRIDGE-GENERAL PLAN AND ELEVATION | 21 |
| BRIDGE-GENERAL NOTES | 22 |
| BRIDGE-ABUTMENT DETAILS | 23 |
| BRIDGE-METAL SHELL PILE DETAILS | 24 |
| BORING LOGS | 25 |
| PROPOSED RETAINING WALL | 26 |
| DISTRICT ONE TYPICAL PAVEMENT MARKINGS | 27 |
| TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS | 28 |
| CROSS SECTIONS | 29-60 |



LOCATION OF SECTION INDICATED THIS:



GENERAL NOTES

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2009; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD), "FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY 1996 FIFTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE THE MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO THE CONTRACT. IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:

SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.

EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.

ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER.

ALL UNUSED SIGNS WILL BE RETURNED TO THE VILLAGE OR DISPOSED OF AS DIRECTED BY THE ENGINEER.

LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS.

EARTH EXCAVATION

EXCAVATION REQUIRED TO CLEAN SIDE ROAD DITCHES, CONSTRUCT DRIVEWAYS OR CONSTRUCT SIDE ROAD APPROACHES SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION.

ALL SUITABLE EXCESS MATERIAL FROM SEWER TRENCHES, WIDENING, SIDEROADS, ENTRANCES OR OTHER NECESSARY EXCAVATIONS SHALL BE USED IN THE CONSTRUCTION OF THE ROADWAY. PLACEMENT AND COMPACTION OF THIS MATERIAL SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGE OF ORLAND HILLS. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIP LINE 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 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 ABOVE, SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION.

ANY AREA WHERE THERE IS NO PROPOSED GRADING THE EXISTING GROUND COVER SHALL REMAIN.

THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

THE CONTRACTOR MUST COORDINATE WITH THE VILLAGE AND PROVIDE 72 HOURS ADVANCE NOTICE PRIOR TO CONSTRUCTION.

ANY SIDEWALK THAT IS BEING REMOVED FOR THE TRAIL INSTALLATION SHOULD NOT BE TAKEN OUT OF SERVICE UNTIL CLOSE TO WHEN THE TRAIL WILL BE CONSTRUCTED IN ITS PLACE.

CONTRACTOR WILL RESTORE AREAS ADJACENT TO THE PATH WITHIN TWO WEEKS OF PAVING THE PATH.

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH THE VILLAGE OF ORLAND HILLS IN ANY UNDERGROUND UTILITY CONSTRUCTION WHICH THE VILLAGE OF ORLAND HILLS MAY WANT TO PLACE DURING THE CONTRACTOR'S OPERATIONS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING FACILITIES 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 FOR IN THE STANDARD SPECIFICATIONS.

THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND THE VILLAGE OF ORLAND HILLS DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE.

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 TO THE SATISFACTION OF THE ENGINEER OR THE VILLAGE OF ORLAND HILLS. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 8-1-1 0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, CABLE, TELEVISION FACILITIES, WATER, SANITARY AND STORM.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE VILLAGE OF ORLAND HILLS, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED, AND SHALL BE AS INDICATED ON THE PLANS. ELEVATIONS SHOWN AT POINT OF CURVE, ETC. ARE BACK OF CURB UNLESS OTHERWISE NOTED.

WATER, STORM SEWER AND SANITARY SEWER

WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED PATH.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE THE COST OF THE PROPOSED PATH.

ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO COST TO THE VILLAGE OF ORLAND HILLS.

THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR AUTHORIZATION FROM THE VILLAGE WATER DEPARTMENT. UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.

UTILITY COORDINATION

| UTILITY COMPANY | SBC / AT&T (Distribution) | COMCAST | COMED | ILLINOIS AMERICAN WATER CO. | NICOR GAS |
|---------------------------------|---|--|--|---|--|
| CONSTRUCTION CONTACT PERSON | DAVID A. WILLIAMS, OSPE | CHRIS BAKER | GARRY ZACK | JOHN TRILIK | CONSTANCE LANE |
| PHONE | 708-396-7615 | 630-288-7637 | 708-235-2694 | 630-739-8839 | 630-629-2500, ext. 334 |
| FAX | | | | | |
| ADDRESS | 2427 UNION STREET FLOOR 2 BLUE ISLAND, IL 60406 | 688 INDUSTRIAL DRIVE ELMHURST, IL 60126 | PUBLIC RELOCATION GROUP 25000 S. GOVERNORS HIGHWAY UNIVERSITY PARK, IL 60466 | 1000 INTERNATIONAL PKWY. WOODRIDGE, IL 60517 | 1844 FERRY ROAD NAPERVILLE, IL 60563-9600 |
| FACILITIES IN / NEAR PROJECT | UNDERGROUND FACILITIES | UNDERGROUND FACILITIES | UNDERGROUND FACILITIES | UNDERGROUND FACILITIES | UNDERGROUND FACILITIES |
| UTILITY REF NO. | | | H7550CRE | FR-2008-60-6 | M5283 |
| STATUS ON DATE OF PLAN PRINTING | No Conflicts are Anticipated. | No Conflicts are Anticipated. | No Conflicts are Anticipated. | No Conflicts are Anticipated. | No Conflicts are Anticipated. |

MISCELLANEOUS

DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

THE THICKNESSES OF BITUMINOUS MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACES OR BASIS ON WHICH THEY ARE TO BE PLACED. PLAN THICKNESSES SHOULD BE CONSIDERED THE MINIMUM THICKNESS PERMITTED.

ALL SAWCUTTING SHALL BE INCIDENTAL TO REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL. ANY ITEMS OF WORK REMOVED PRIOR TO SAWCUTTING WILL NOT BE MEASURED FOR PAYMENT.

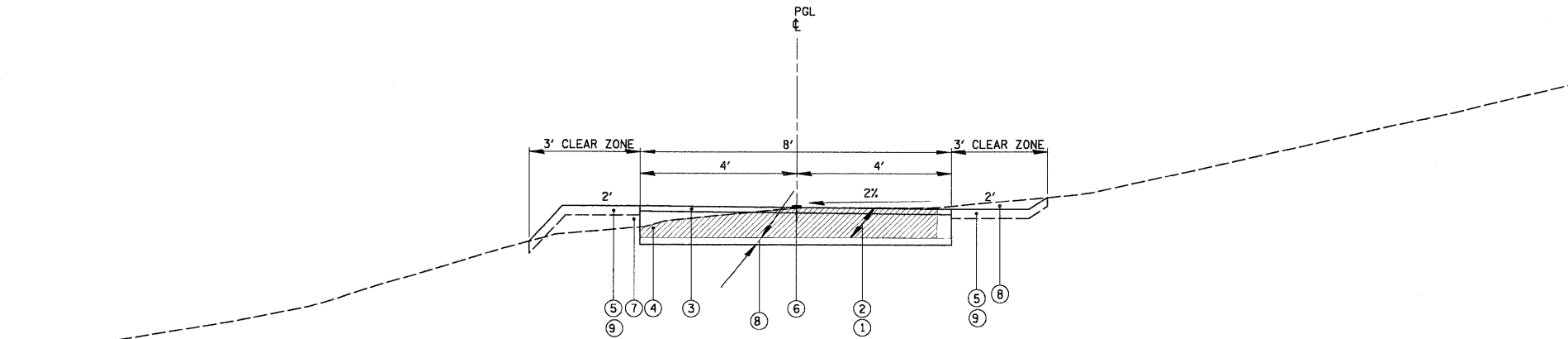
EROSION CONTROL

ALL EROSION CONTROL MEASURES AND COMPENSATORY STORAGE ARE TO BE IN PLACE BEFORE ANY WORK BEGINS ON THE SITE.

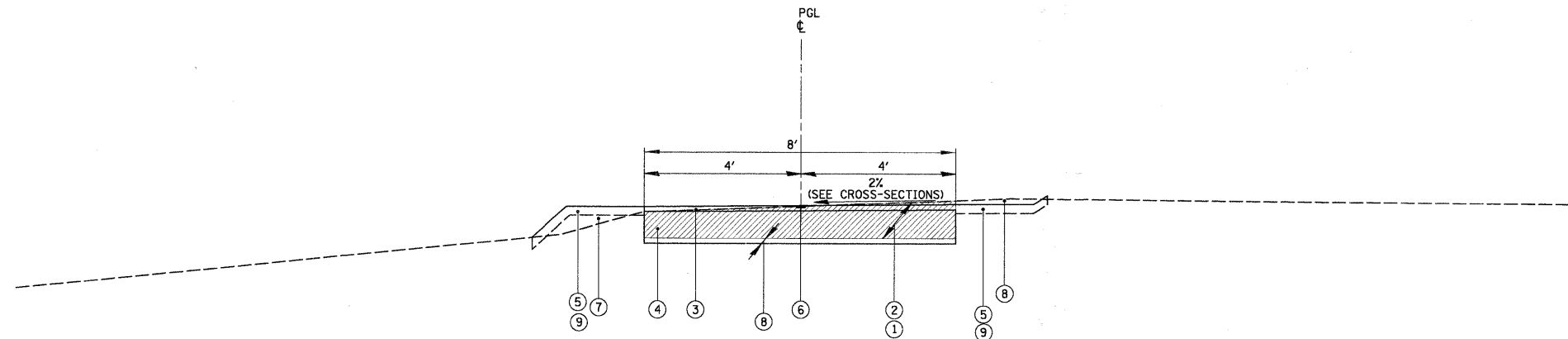
LIST OF HIGHWAY STANDARDS

| | |
|-------------|---|
| 000001-05 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS |
| 424001-05 | CURB RAMPS FOR SIDEWALKS (USE RECTANGULAR PATTERN) |
| 542301-02 | PRECAST REINFORCED CONCRETE FLARED END SECTION |
| 701301-03 | LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS |
| 701501-05 | URBAN LANE CLOSURE, 2L, 2W UNDIVIDED |
| 701701-06 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-04 | LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE |
| 701901-01 | TRAFFIC CONTROL DEVICES |
| B.L.R. 17-4 | TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION |
| B.L.R. 22-6 | TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS |

| | | | | | | | | | | | |
|--|----------------------|------------------|-----------|---|---|---|---------------------|--------------|--------------------|-----------|--|
| FILE NAME = N:\OrlandHills\080156\Civil\080156_not.plt | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GENERAL NOTES AND IDOT STANDARDS | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| | | DRAWN - MG | REVISED - | | | | 06-00021-00-BT | COOK | 60 | 2 | |
| | | CHECKED - LMF | REVISED - | | | SCALE: 1" | SHEET NO. OF SHEETS | STA. TO STA. | CONTRACT NO. 63084 | | |
| | | DATE - 11/3/2008 | REVISED - | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | |



**EXISTING/PROPOSED TYPICAL SECTION
ASHBOURNE LAKE
STA. 10+00 TO 40+14.93**



**EXISTING/PROPOSED TYPICAL SECTION
LAKE LORIN
STA. 100+00 TO 142+42.45
BRIDGE OMISSION STA. 142+61.00 TO 142+81.00**

LEGEND

- ① EXISTING PAVEMENT
- ② EXISTING PAVEMENT REMOVAL (ASSUME 12")
- ③ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 3"
- ④ PROPOSED AGGREGATE BASE COURSE TYPE B, 9"
- ⑤ PROPOSED HYDROSEEDING, CLASS 3 W/ MULCH, METHOD 2
- ⑥ PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE 4", YELLOW
- ⑦ PROPOSED EMBANKMENT
- ⑧ EARTH EXCAVATION
- ⑨ TOPSOIL PLACEMENT, 4"

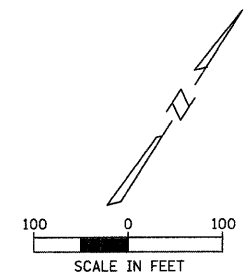
| HOT-MIX ASPHALT REQUIREMENTS | | |
|--|----------|-----------|
| ITEM | AC-TYPE | VOIDS |
| HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50-3" (IL-9.5mm) | PG 64-22 | 4%±50 GYR |

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.
2. POROUS GRANULAR EMBANKMENT SUBGRADE (PGE) HAS BEEN PROVIDED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE MANUAL). IF UNSUITABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGE AND GROUND FABRIC FOR GROUND STABILIZATION. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

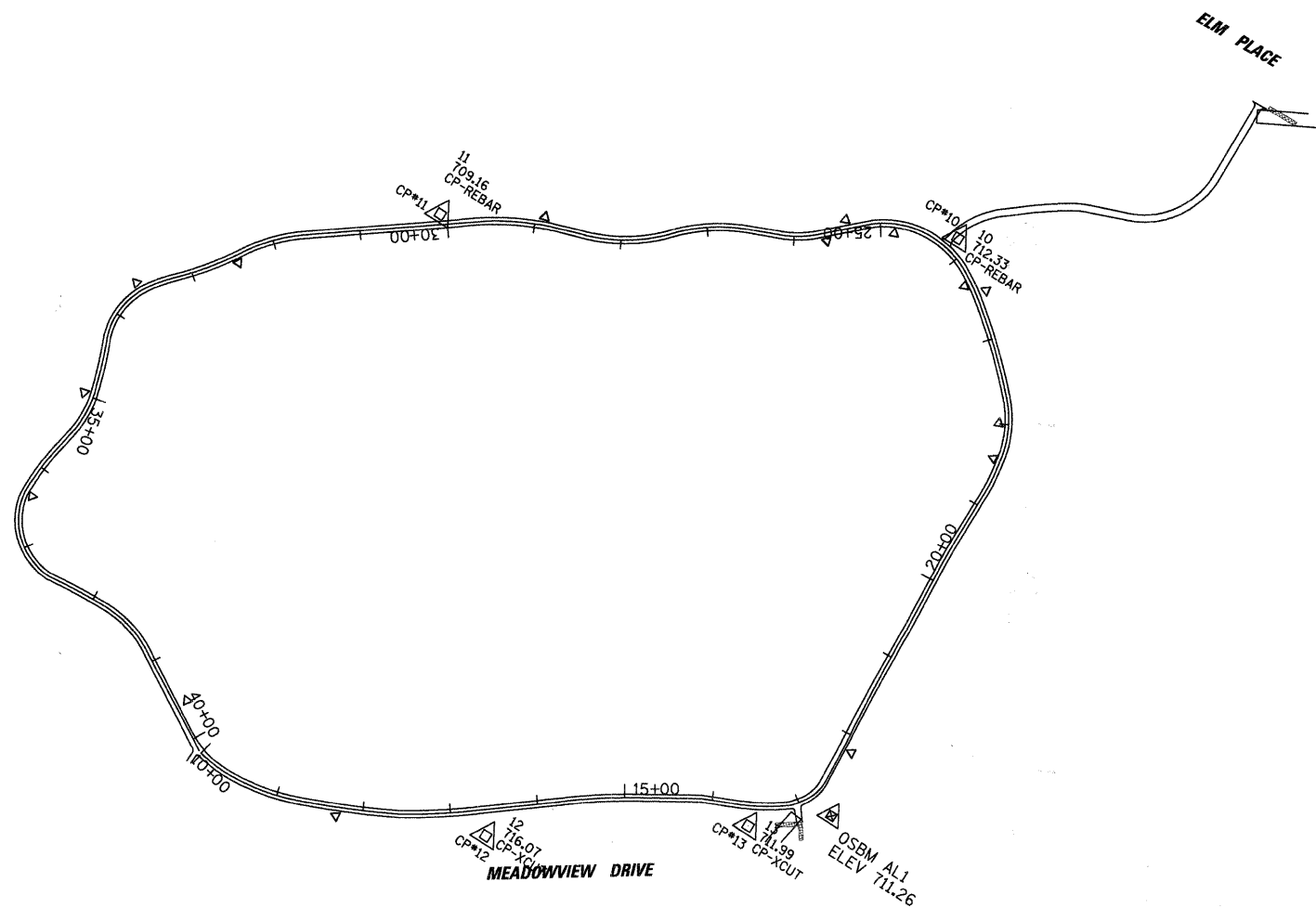
| | | | | | | | | | | | | | | |
|--|----------------------|-------------------|-----------|---|---|-----------|----|--------|--------------------|---------|----------------|--------------|-----------|---|
| FILE NAME = N:\0r1andHt11s\000156\Cv1\080156.01.txd | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | EXISTING AND PROPOSED TYPICAL SECTIONS LAKE LORIN AND ASHBORN LAKE | | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| | | DRAWN - MG | REVISED - | | SCALE: 20' | SHEET NO. | OF | SHEETS | STA. | TO STA. | 06-00021-00-BT | COOK | 60 | 4 |
| | | CHECKED - LMF | REVISED - | | | | | | CONTRACT NO. 63084 | | | | | |
| | | DATE - 10/28/2008 | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | | | |

| HORIZONTAL CONTROL POINTS | | | | | | | |
|---------------------------|-------|--------------|-------------|-----------|-------------|----------|----------|
| △ | CP NO | NORTHING (Y) | EASTING (X) | ELEVATION | DESCRIPTION | STATION | OFFSET |
| △ | 12 | 1795292.26 | 1119734.22 | 716.07 | XCUT | 13+37.52 | 29.71 RT |
| △ | 13 | 1795462.31 | 1119981.19 | 711.99 | XCUT | 16+43.53 | 23.37 RT |
| △ | 10 | 1796157.55 | 1119823.34 | 712.33 | REBAR | 24+15.41 | 16.92 RT |
| △ | 11 | 1795863.87 | 1119309.69 | 709.16 | REBAR | 30+07.22 | 11.94 RT |

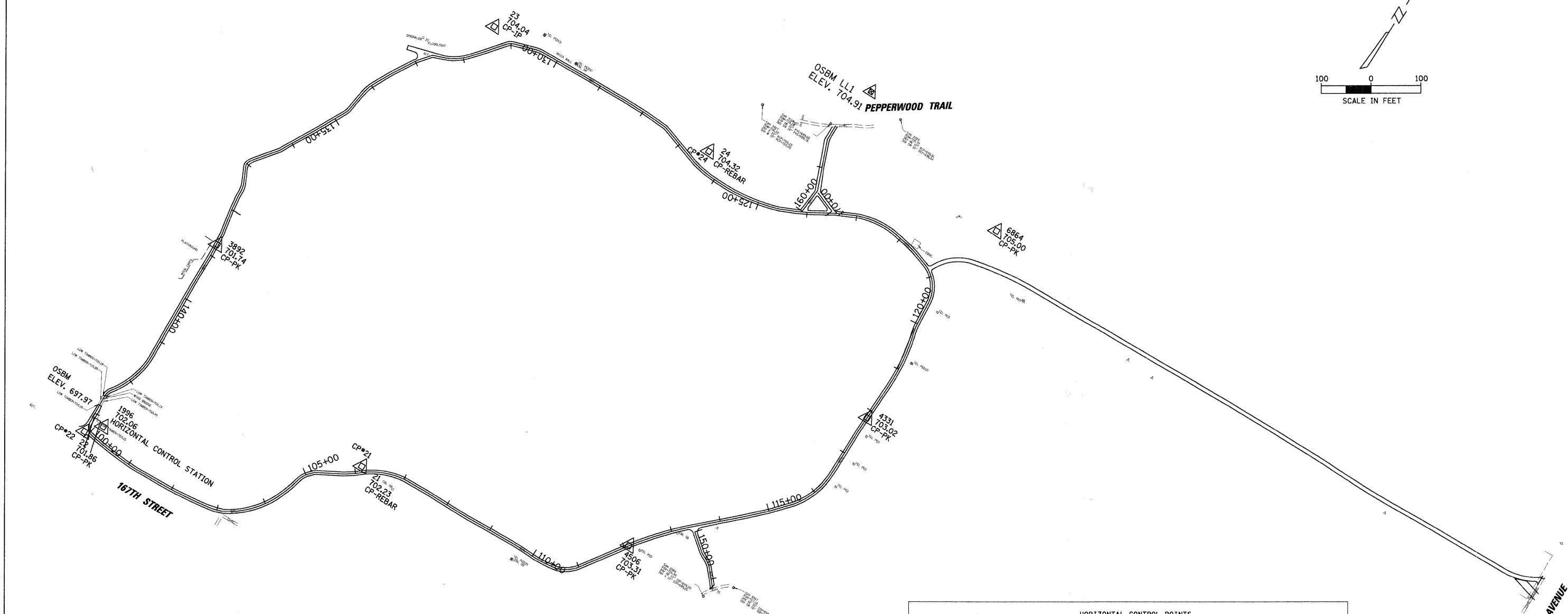
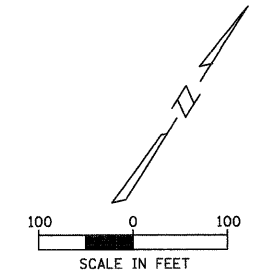


| | |
|---|-----------------------|
| SURVEY WORKSHEET | START DATE: 4/23/08 |
| PROJECT MANAGER LMF | PLOT DATE: 10/28/2008 |
| CALC. BY KJR | JOB # 080156 |
| DWN ALK/KCS | CREW MW |
| CHKD JRM | DRAFTED SCALE 1"=50' |
| | PLOT SCALE 1"=100' |
| FILE N:\0rlandhills\080156\Civil\080156.ASHBOURNE.BMK | |

| ELEVATION BENCHMARKS DATUM: NGVD OF 1929 | | |
|---|---|--------|
| NO. | DESCRIPTION | ELEV. |
| OSBM 2 | NORTHWEST FLANGE BOLT OF FIRE HYDRANT ON THE SOUTHWEST CORNER OF 163RD ST. AND SHERWOOD DR. @ HOUSE #8711 | 697.97 |
| OSBM ALL | X-CUT ON STROM MANHOLE RIM LOCATED IN THE SOUTHEAST CORNER OF ASHBOURNE LAKE GROUNDS THE MONUMENT IS LOCATED APPROX 50' ± NORTH OF C MEADOWVIEW DR. & AT THE SOUTHWEST CORNER OF THE LOT OF HOUSE #16200 MARIGOLD PL. | 711.26 |



| | | | | | | | | | | | |
|--|----------------------|-------------------|-----------|---|--|--------------------|---------------------|--------------|---|-----------|--|
| FILE NAME = N:\0rlandhills\080156\Civil\080156.ASHBOURNE.BMK | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ASHBOURNE LAKE - ALIGNMENT, TIES AND BENCHMARKS | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| | | DRAWN - MG | REVISED - | | | | 06-00021-00-BT | COOK | 60 | 5 | |
| | | CHECKED - LMF | REVISED - | | | SCALE: 100' | SHEET NO. OF SHEETS | STA. TO STA. | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | |
| | | DATE - 10/28/2008 | REVISED - | | | CONTRACT NO. 63084 | | | | | |



| | |
|---|-----------------------|
| SURVEY WORKSHEET | START DATE: 4/23/08 |
| PROJECT MANAGER LMF | PLOT DATE: 10/28/2008 |
| CALC. BY KJR | JOB # 080156 |
| DWN ALK/KCS | CREW MW |
| CHKD JRM | DRAFTED SCALE 1"=50' |
| | PLOT SCALE 1"=100' |
| FILE N:\0-landHills\080156\Civil\080156.LORIN.BMK | |

| ELEVATION BENCHMARKS DATUM: NGVD OF 1929 | | |
|---|--|--------|
| NO. | DESCRIPTION | ELEV. |
| OSBM 2 | NORTHWEST FLANGE BOLT OF FIRE HYDRANT ON THE SOUTHWEST CORNER OF 163RD ST. AND SHERWOOD DR. @ HOUSE #8711 | 697.97 |
| OSBM L11 | SQUARE CUT ON EAST SIDE OF HEADWALL OF SPILLWAY LOCATED APPROX 50' ± NORTH OF @ PEPPERWOOD TRAIL & WEST OF HOUSE #16448 PEPPERWOOD TRAIL | 704.91 |

| HORIZONTAL CONTROL POINTS | | | | | | | |
|---------------------------|--------------|-------------|-----------|-------------|-----------|--------|----|
| CP NO | NORTHING (Y) | EASTING (X) | ELEVATION | DESCRIPTION | STATION | OFFSET | |
| CP-REBAR 21 | 1792726.05 | 1119013.90 | 702.23 | REBAR | 106+14.50 | 12.53 | LT |
| CP-PK 4506 | 1792879.83 | 1119551.50 | 703.31 | PK | 112+09.70 | 0.57 | LT |
| CP-PK 4331 | 1793353.19 | 1119817.22 | 703.02 | PK | 117+83.82 | 0.15 | LT |
| CP-PK 6864 | 1793808.60 | 1119835.96 | 705.00 | PK | 121+16.25 | 157.27 | RT |
| CP-REBAR 24 | 1793634.64 | 1119262.46 | 704.32 | REBAR | 126+48.66 | 36.55 | RT |
| CP-IP 23 | 1793613.95 | 1118764.23 | 704.04 | IP | 131+21.68 | 40.83 | RT |
| CP-PK 3892 | 1792945.44 | 1118530.12 | 701.74 | PK | 138+75.10 | 1.30 | LT |
| CP-PK 22 | 1792485.76 | 1118506.84 | 701.86 | PK | 143+38.77 | 8.55 | RT |

| | | | |
|--|----------------------|-------------------|-----------|
| FILE NAME = N:\0-landHills\080156\Civil\080156.LORIN.BMK | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - |
| PLOT SCALE = 100' | | DRAWN - MG | REVISED - |
| PLOT DATE = 10/28/2008 | | CHECKED - LMF | REVISED - |
| | | DATE - 10/28/2008 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LAKE LORIN - ALIGNMENT, TIES AND BENCHMARKS

SCALE: 100' SHEET NO. OF SHEETS STA. TO STA.

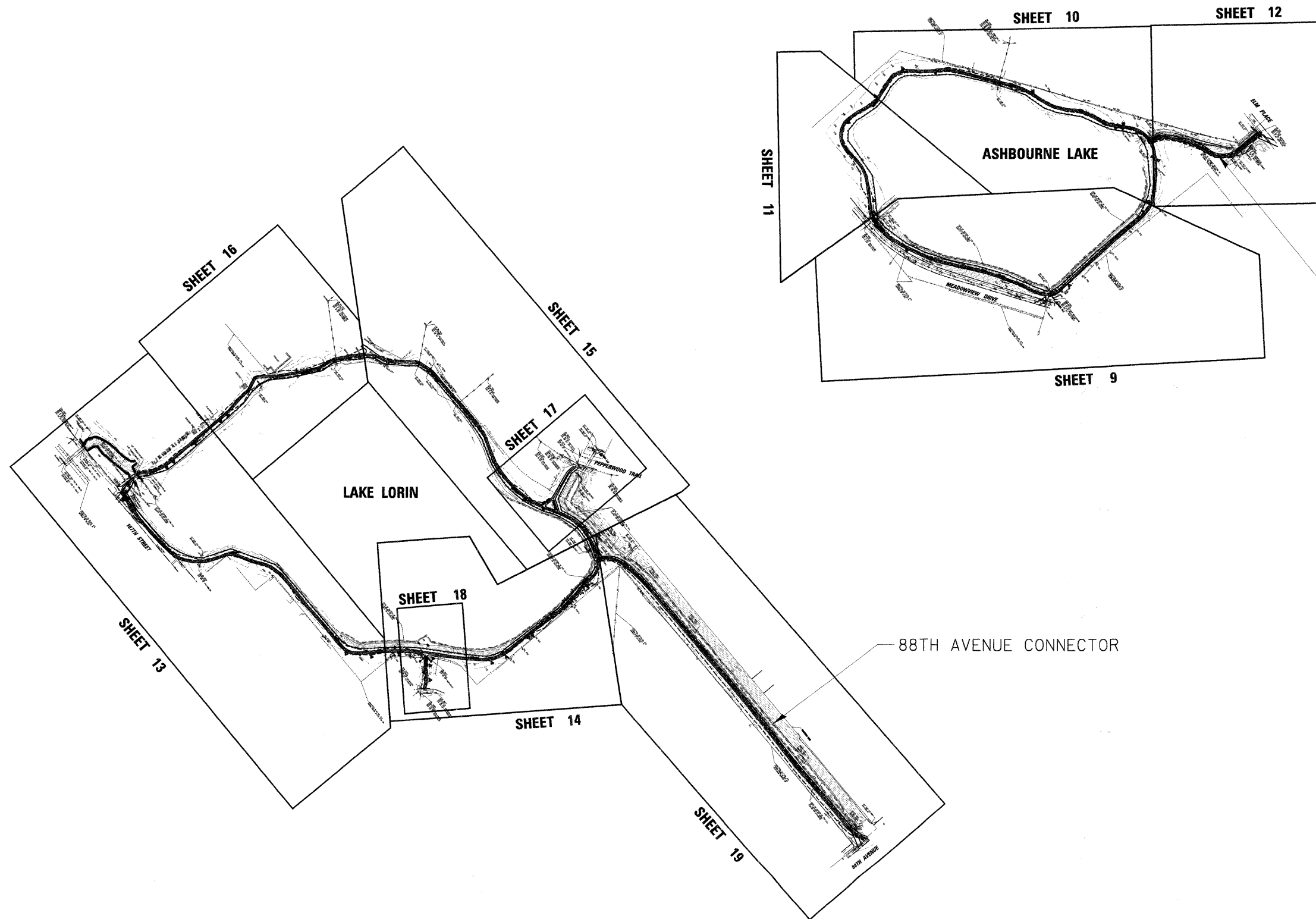
| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 6 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

ASHBOURNE LAKE RECONSTRUCT

| Station | Cut | | Fill | | TOPSOIL STRIP | | PROPOSED TOPSOIL | |
|----------|--------------------------|------------------------|--------------------------|------------------------|--------------------------|------------------------|--------------------------|------------------------|
| | End Area ft ² | Volume ft ³ | End Area ft ² | Volume ft ³ | End Area ft ² | Volume ft ³ | End Area ft ² | Volume ft ³ |
| 10+00.00 | 0.00 | 0 | 0 | 0 | 0.00 | 0 | 0 | 0 |
| 10+50.00 | 3.10 | 77.50 | 0 | 0.00 | 1.6 | 92.50 | 1.1 | 27.60 |
| 11+00.00 | 5.30 | 210.00 | 0 | 0.00 | 2.1 | 75.00 | 1.9 | 75.00 |
| 11+50.00 | 2.10 | 185.00 | 0 | 2.50 | 0.9 | 45.00 | 0.6 | 62.60 |
| 12+00.00 | 1.90 | 100.00 | 0 | 2.50 | 0.9 | 42.50 | 0.5 | 27.50 |
| 12+50.00 | 1.40 | 82.50 | 0.1 | 2.50 | 0.8 | 92.50 | 0.6 | 27.50 |
| 13+00.00 | 1.10 | 62.50 | 1.1 | 37.50 | 2.9 | 150.00 | 2.4 | 75.00 |
| 13+50.00 | 1.40 | 62.50 | 1.1 | 62.50 | 3.1 | 110.00 | 2.9 | 152.50 |
| 14+00.00 | 1.40 | 70.00 | 0.3 | 35.00 | 1.3 | 72.50 | 0.9 | 95.00 |
| 14+50.00 | 0.80 | 55.00 | 1 | 32.50 | 1.6 | 55.00 | 1.3 | 55.00 |
| 15+00.00 | 2.20 | 75.00 | 0 | 25.00 | 0.6 | 27.50 | 0.3 | 40.00 |
| 15+50.00 | 1.80 | 100.00 | 0 | 0.00 | 0.5 | 30.00 | 0.3 | 15.00 |
| 16+00.00 | 2.10 | 97.50 | 0 | 0.00 | 0.7 | 42.50 | 0.5 | 27.50 |
| 16+50.00 | 0.80 | 72.50 | 0.2 | 5.00 | 0.7 | 42.50 | 0.5 | 27.50 |
| 17+00.00 | 2.50 | 82.50 | 0 | 5.00 | 1 | 37.50 | 1 | 37.50 |
| 17+50.00 | 1.80 | 107.50 | 0.6 | 15.00 | 0.5 | 22.50 | 0.8 | 45.00 |
| 18+00.00 | 0.10 | 47.50 | 0.1 | 17.50 | 0.4 | 17.50 | 0.3 | 27.50 |
| 18+50.00 | 0.70 | 20.00 | 0 | 2.50 | 0.3 | 30.00 | 0.1 | 10.00 |
| 19+00.00 | 0.40 | 27.50 | 0.5 | 12.50 | 0.8 | 42.50 | 0.6 | 17.50 |
| 19+50.00 | 0.50 | 22.50 | 0.5 | 25.00 | 0.8 | 52.50 | 0.5 | 27.50 |
| 20+00.00 | 0.50 | 25.00 | 1.5 | 50.00 | 1.3 | 82.50 | 0.9 | 35.00 |
| 20+50.00 | 0.50 | 25.00 | 1.7 | 80.00 | 2 | 92.50 | 1.5 | 60.00 |
| 21+00.00 | 0.30 | 20.00 | 1.6 | 82.50 | 1.7 | 65.00 | 1.4 | 72.50 |
| 21+50.00 | 0.80 | 27.50 | 0.3 | 47.50 | 0.9 | 30.00 | 0.6 | 50.00 |
| 22+00.00 | 1.00 | 45.00 | 0.1 | 10.00 | 0.3 | 70.00 | 0 | 15.00 |
| 22+50.00 | 0.80 | 45.00 | 1.3 | 35.00 | 2.5 | 92.50 | 1.9 | 47.50 |
| 23+00.00 | 0.80 | 40.00 | 0.3 | 40.00 | 1.2 | 55.00 | 0.8 | 67.50 |
| 23+50.00 | 0.50 | 32.50 | 0.6 | 22.50 | 1 | 37.50 | 0.7 | 37.50 |
| 24+00.00 | 0.70 | 30.00 | 0.2 | 20.00 | 0.5 | 25.00 | 0.2 | 22.50 |
| 24+50.00 | 0.90 | 40.00 | 1.4 | 40.00 | 0.5 | 20.00 | 0.2 | 10.00 |
| 25+00.00 | 0.50 | 35.00 | 0.2 | 40.00 | 0.3 | 30.00 | 0.2 | 10.00 |
| 25+50.00 | 0.80 | 32.50 | 0.6 | 20.00 | 0.9 | 65.00 | 0.9 | 27.50 |
| 26+00.00 | 0.90 | 42.50 | 0.4 | 25.00 | 1.7 | 75.00 | 1.3 | 55.00 |
| 26+50.00 | 0.40 | 32.50 | 0.3 | 17.50 | 1.3 | 72.50 | 1.1 | 60.00 |
| 27+00.00 | 0.20 | 15.00 | 0.9 | 30.00 | 1.6 | 72.50 | 1.5 | 65.00 |
| 27+50.00 | 1.70 | 47.50 | 0 | 22.50 | 1.3 | 52.50 | 0.9 | 60.00 |
| 28+00.00 | 0.60 | 57.50 | 0.7 | 17.50 | 0.8 | 32.50 | 0.4 | 32.50 |
| 28+50.00 | 0.50 | 27.50 | 0.7 | 35.00 | 0.5 | 25.00 | 0.2 | 15.00 |
| 29+00.00 | 1.50 | 50.00 | 0.1 | 20.00 | 0.5 | 60.00 | 0.2 | 10.00 |
| 29+50.00 | 2.80 | 107.50 | 0.1 | 5.00 | 1.9 | 60.00 | 1.8 | 50.00 |
| 30+00.00 | 1.10 | 97.50 | 0 | 2.50 | 0.5 | 87.50 | 0.1 | 47.50 |
| 30+50.00 | 0.70 | 45.00 | 0.9 | 22.50 | 3 | 142.50 | 2.5 | 65.00 |
| 31+00.00 | 0.40 | 27.50 | 1.6 | 62.50 | 2.7 | 125.00 | 2.3 | 120.00 |
| 31+50.00 | 0.40 | 20.00 | 1.7 | 82.50 | 2.3 | 117.50 | 2 | 107.50 |
| 32+00.00 | 0.90 | 32.50 | 0.9 | 65.00 | 2.4 | 87.50 | 1.9 | 97.50 |
| 32+50.00 | 0.60 | 37.50 | 1.3 | 55.00 | 1.1 | 47.50 | 0.6 | 62.50 |
| 33+00.00 | 0.90 | 37.50 | 0 | 32.50 | 0.8 | 45.00 | 0.6 | 30.00 |
| 33+50.00 | 0.50 | 35.00 | 0.4 | 10.00 | 1 | 62.50 | 0.6 | 30.00 |
| 34+00.00 | 0.40 | 22.50 | 1.3 | 42.50 | 1.5 | 82.50 | 1.3 | 47.50 |
| 34+50.00 | 0.80 | 30.00 | 0.3 | 40.00 | 1.8 | 50.00 | 1.3 | 65.00 |
| 35+00.00 | 0.00 | 20.00 | 0.4 | 17.50 | 0.2 | 17.50 | 0.2 | 37.50 |
| 35+50.00 | 0.70 | 17.50 | 0.1 | 12.50 | 0.5 | 25.00 | 0.3 | 12.50 |
| 36+00.00 | 0.70 | 35.00 | 0.1 | 5.00 | 0.5 | 32.50 | 0.2 | 12.50 |
| 36+50.00 | 1.10 | 45.00 | 0.8 | 22.50 | 0.8 | 32.50 | 0.2 | 10.00 |
| 37+00.00 | 0.70 | 45.00 | 0.4 | 30.00 | 0.5 | 35.00 | 0.1 | 7.50 |
| 37+50.00 | 1.00 | 42.50 | 0.1 | 12.50 | 0.9 | 85.00 | 0.5 | 15.00 |
| 38+00.00 | 0.50 | 37.50 | 0.7 | 20.00 | 2.5 | 152.50 | 2.3 | 70.00 |
| 38+50.00 | 0.40 | 22.50 | 1.3 | 50.00 | 3.6 | 265.00 | 3.3 | 140.00 |
| 39+00.00 | 0.50 | 22.50 | 3.2 | 112.50 | 7 | 265.00 | 6.7 | 250.00 |
| 39+50.00 | 2.50 | 75.00 | 0 | 80.00 | 3.5 | 152.50 | 3.3 | 250.00 |
| 40+00.00 | 0.70 | 80.00 | 0.2 | 5.00 | 2.6 | 62.50 | 2.4 | 142.50 |

LAKE LORIN RECONSTRUCT

| Station | Cut | | Fill | | TOPSOIL STRIP | | PROPOSED TOPSOIL | |
|-----------|--------------------------|------------------------|--------------------------|------------------------|--------------------------|------------------------|--------------------------|------------------------|
| | End Area ft ² | Volume ft ³ | End Area ft ² | Volume ft ³ | End Area ft ² | Volume ft ³ | End Area ft ² | Volume ft ³ |
| 100+00.00 | 0.00 | 0 | 1.8 | 75.00 | 0 | 0 | 0 | 0 |
| 100+50.00 | 1.90 | 47.50 | 1.2 | 75.00 | 2.8 | 70.00 | 2.7 | 67.50 |
| 101+00.00 | 0.10 | 50.00 | 0.3 | 37.50 | 2.2 | 125.00 | 1.9 | 115.00 |
| 101+50.00 | 0.00 | 2.50 | 0.4 | 17.50 | 0.3 | 62.50 | 0.3 | 55.00 |
| 102+00.00 | 0.30 | 7.50 | 0.1 | 12.50 | 0.4 | 17.50 | 0.4 | 17.50 |
| 102+50.00 | 0.00 | 7.50 | 0.6 | 17.50 | 0 | 10.00 | 0 | 10.00 |
| 103+00.00 | 0.50 | 12.50 | 1.1 | 42.50 | 2.1 | 52.50 | 1.5 | 37.50 |
| 103+50.00 | 0.90 | 35.00 | 0 | 27.50 | 3.4 | 137.50 | 3.5 | 125.00 |
| 104+00.00 | 0.30 | 30.00 | 0.6 | 15.00 | 0.2 | 80.00 | 0.1 | 90.00 |
| 104+50.00 | 0.20 | 12.50 | 0.8 | 35.00 | 0.2 | 10.00 | 0.2 | 7.50 |
| 105+00.00 | 0.00 | 5.00 | 2.5 | 82.50 | 0.5 | 17.50 | 0.5 | 17.50 |
| 105+50.00 | 0.10 | 2.50 | 0.2 | 67.50 | 0.1 | 15.00 | 0 | 12.50 |
| 106+00.00 | 0.00 | 2.50 | 0.5 | 17.50 | 0.1 | 5.00 | 0 | 0.00 |
| 106+50.00 | 0.00 | 0.00 | 0.7 | 30.00 | 0 | 2.50 | 0 | 0.00 |
| 107+00.00 | 0.20 | 5.00 | 0.4 | 27.50 | 0.4 | 10.00 | 0.2 | 5.00 |
| 107+50.00 | 0.80 | 25.00 | 0.5 | 22.50 | 0.6 | 25.00 | 0.3 | 12.50 |
| 108+00.00 | 0.00 | 20.00 | 1.7 | 55.00 | 2.2 | 70.00 | 2.1 | 60.00 |
| 108+50.00 | 0.00 | 0.00 | 0.9 | 65.00 | 0.1 | 57.50 | 0.3 | 60.00 |
| 109+00.00 | 0.00 | 0.00 | 1.6 | 62.50 | 0.5 | 15.00 | 0.3 | 15.00 |
| 109+50.00 | 0.00 | 0.00 | 0.5 | 52.50 | 0.1 | 15.00 | 0 | 7.50 |
| 110+00.00 | 0.30 | 7.50 | 0.2 | 17.50 | 1.1 | 30.00 | 1.5 | 37.50 |
| 110+50.00 | 0.80 | 27.50 | 0.5 | 17.50 | 2.6 | 92.50 | 3.3 | 120.00 |
| 111+00.00 | 1.50 | 57.50 | 0.9 | 35.00 | 3.8 | 160.00 | 3.4 | 167.50 |
| 111+50.00 | 0.40 | 47.50 | 1.2 | 52.50 | 1.6 | 135.00 | 1.5 | 122.50 |
| 112+00.00 | 0.30 | 17.50 | 1.6 | 70.00 | 1.6 | 80.00 | 1.4 | 72.50 |
| 112+50.00 | 3.80 | 102.50 | 0.5 | 82.60 | 2.7 | 107.50 | 2.4 | 95.00 |
| 113+00.00 | 0.50 | 107.50 | 3.1 | 90.00 | 0.5 | 80.00 | 0.3 | 67.50 |
| 113+50.00 | 0.00 | 12.50 | 2.1 | 130.00 | 0.8 | 32.50 | 0.6 | 22.50 |
| 114+00.00 | 0.00 | 0.00 | 1.5 | 90.00 | 0.3 | 27.50 | 0 | 15.00 |
| 114+50.00 | 0.00 | 12.50 | 0.5 | 50.00 | 0.3 | 15.00 | 0.2 | 5.00 |
| 115+00.00 | 0.00 | 12.50 | 1.4 | 47.50 | 0.2 | 12.50 | 0 | 5.00 |
| 115+50.00 | 0.00 | 0.00 | 1.8 | 80.00 | 0.3 | 12.50 | 0.1 | 2.50 |
| 116+00.00 | 0.40 | 10.00 | 0 | 45.00 | 0.2 | 12.50 | 0.2 | 7.50 |
| 116+50.00 | 0.00 | 10.00 | 2.3 | 57.50 | 0.7 | 22.50 | 0.4 | 15.00 |
| 117+00.00 | 0.70 | 17.50 | 0 | 57.50 | 0.5 | 30.00 | 0.5 | 22.50 |
| 117+50.00 | 0.10 | 20.00 | 1.1 | 27.50 | 0.2 | 17.50 | 0.1 | 15.00 |
| 118+00.00 | 0.00 | 2.50 | 5.1 | 155.00 | 5.4 | 140.00 | 3.3 | 85.00 |
| 118+50.00 | 0.00 | 0.00 | 12.2 | 432.50 | 2 | 185.00 | 1.8 | 127.50 |
| 119+00.00 | 0.00 | 0.00 | 19.8 | 800.00 | 3.1 | 127.50 | 2.9 | 117.50 |
| 119+50.00 | 0.00 | 0.00 | 21.3 | 1027.50 | 3.4 | 162.50 | 3.3 | 155.00 |
| 120+00.00 | 0.00 | 0.00 | 30.1 | 1285.00 | 7.5 | 272.50 | 8.4 | 292.50 |
| 120+50.00 | 0.00 | 0.00 | 22.6 | 1317.50 | 8.6 | 402.50 | 7.2 | 390.00 |
| 121+00.00 | 0.00 | 0.00 | 2.3 | 622.50 | 0.5 | 227.50 | 0.3 | 187.50 |
| 121+50.00 | 0.10 | 2.50 | 4.9 | 180.00 | 1.4 | 47.50 | 1.1 | 35.00 |
| 122+00.00 | 0.30 | 10.00 | 1.5 | 180.00 | 0 | 35.00 | 0.1 | 30.00 |
| 122+50.00 | 0.00 | 7.50 | 0.9 | 60.00 | 0 | 0.00 | 0 | 2.50 |
| 123+00.00 | 0.00 | 0.00 | 1.3 | 55.00 | 0.1 | 2.50 | 0 | 0.00 |
| 123+50.00 | 1.60 | 40.00 | 3.1 | 110.00 | 0.6 | 17.50 | 2.6 | 65.00 |
| 124+00.00 | 0.10 | 42.50 | 3.5 | 165.00 | 0.5 | 27.50 | 0.3 | 72.50 |
| 124+50.00 | 0.30 | 10.00 | 0.5 | 100.00 | 0.5 | 25.00 | 0.3 | 15.00 |
| 125+00.00 | 0.00 | 7.50 | 5.8 | 197.50 | 3.4 | 97.50 | 2.8 | 77.50 |
| 125+50.00 | 0.60 | 0.00 | 0.1 | 147.50 | 0.1 | 87.50 | 0.1 | 72.50 |
| 126+00.00 | 0.80 | 20.00 | 0 | 2.50 | 1.4 | 37.50 | 1.5 | 40.00 |
| 126+50.00 | 2.50 | 90.00 | 0.3 | 7.50 | 1.3 | 67.50 | 1.2 | 67.50 |
| 127+00.00 | 0.30 | 77.50 | 0.9 | 30.00 | 0.1 | 35.00 | 0.1 | 32.50 |
| 127+50.00 | 0.60 | 7.50 | 2 | 72.50 | 0.5 | 15.00 | 0.3 | 10.00 |
| 128+00.00 | 0.00 | 0.00 | 4.4 | 160.00 | 1.9 | 60.00 | 1.7 | 50.00 |
| 128+50.00 | 0.00 | 0.00 | 6.4 | 270.00 | 2.8 | 112.50 | 2.5 | 105.00 |
| 129+00.00 | 0.00 | 0.00 | 1.1 | 175.00 | 0.5 | 77.50 | 0.4 | 72.50 |
| 129+50.00 | 0.00 | 0.00 | 0.1 | 42.50 | 0.3 | 20.00 | 0.2 | 15.00 |
| 130+00.00 | 1.00 | 25.00 | 0.4 | 37.50 | 0.2 | 12.50 | 0.1 | 7.50 |
| 130+50.00 | 0.00 | 25.00 | 2.3 | 67.50 | 0.4 | 15.00 | 0.2 | 7.50 |
| 131+00.00 | 0.00 | 0.00 | 1.2 | 87.50 | 0.2 | 15.00 | 0 | 5.00 |
| 131+50.00 | 0.10 | 2.50 | 2.1 | 82.50 | 0.5 | 17.60 | 0.5 | 12.50 |
| 132+00.00 | 0.10 | 5.00 | 2.9 | 125.00 | 3 | 87.50 | 3.2 | 82.50 |
| 132+50.00 | 0.60 | 17.50 | 0.1 | 75.00 | 0.4 | 85.00 | 0.7 | 97.50 |
| 133+00.00 | 0.00 | 15.00 | 10.5 | 265.00 | 7.8 | 200.00 | 7.7 | 210.00 |
| 133+50.00 | 0.00 | 0.00 | 4.2 | 367.50 | 1.5 | 227.50 | 1.4 | 227.50 |
| 134+00.00 | 0.30 | 7.50 | 0.2 | 110.00 | 0.3 | 45.00 | 0.3 | 42.50 |
| 134+50.00 | 0 | | | | | | | |



| | | | |
|--|----------------------|-------------------|-----------|
| FILE NAME = N:\Gr1andHills\080156\Cvi\080156_A\CL.dwg | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - |
| | | DRAWN - MG | REVISED - |
| | | CHECKED - LMF | REVISED - |
| | | DATE - 10/28/2008 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

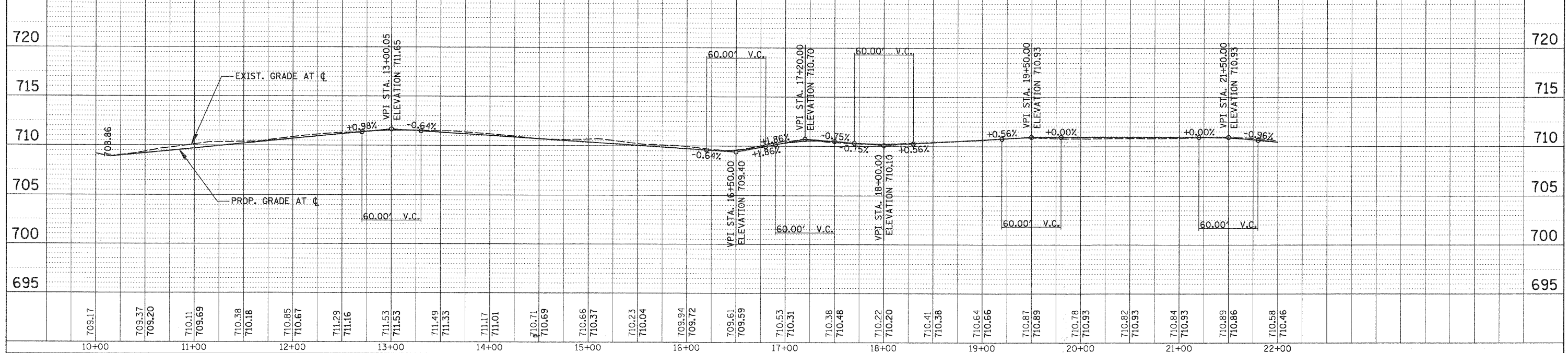
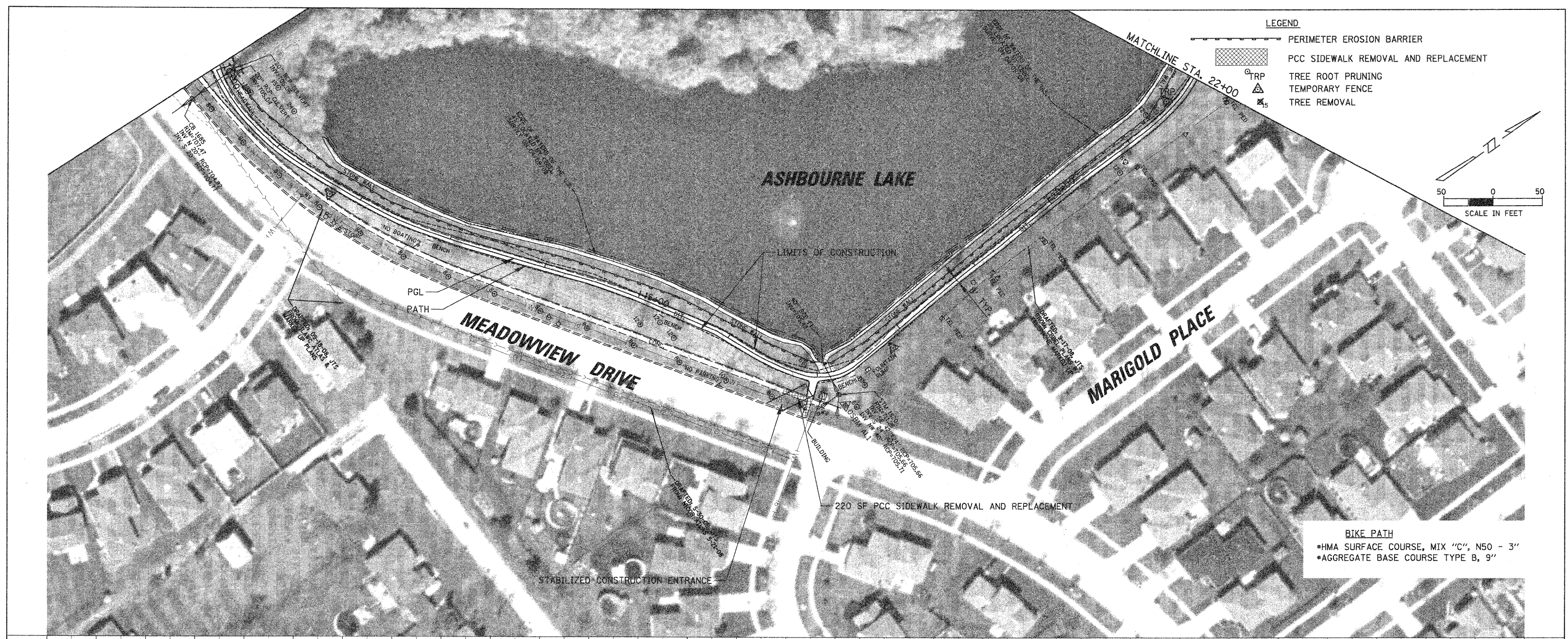
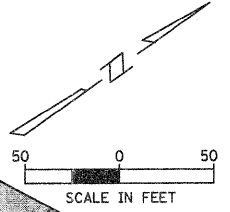
| | | | |
|--------------------------|-----------|-----------|--------------|
| OVERALL SITE PLAN | | | |
| SCALE: 200' | SHEET NO. | OF SHEETS | STA. TO STA. |

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 8 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|------|--------------------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | NOTED | | |
| | RT. OF WAY CHECKED | | |
| | CADD FILE NAME | | |
| | NO. | | |

| | | | |
|---------|-----------------------------|----|------|
| PROFILE | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | NOTED | | |
| | STRUCTURE NOTATIONS CHECKED | | |
| | NO. | | |

- LEGEND**
- PERIMETER EROSION BARRIER
 - PCC SIDEWALK REMOVAL AND REPLACEMENT
 - TRP
 - TREE ROOT PRUNING
 - TEMPORARY FENCE
 - TREE REMOVAL

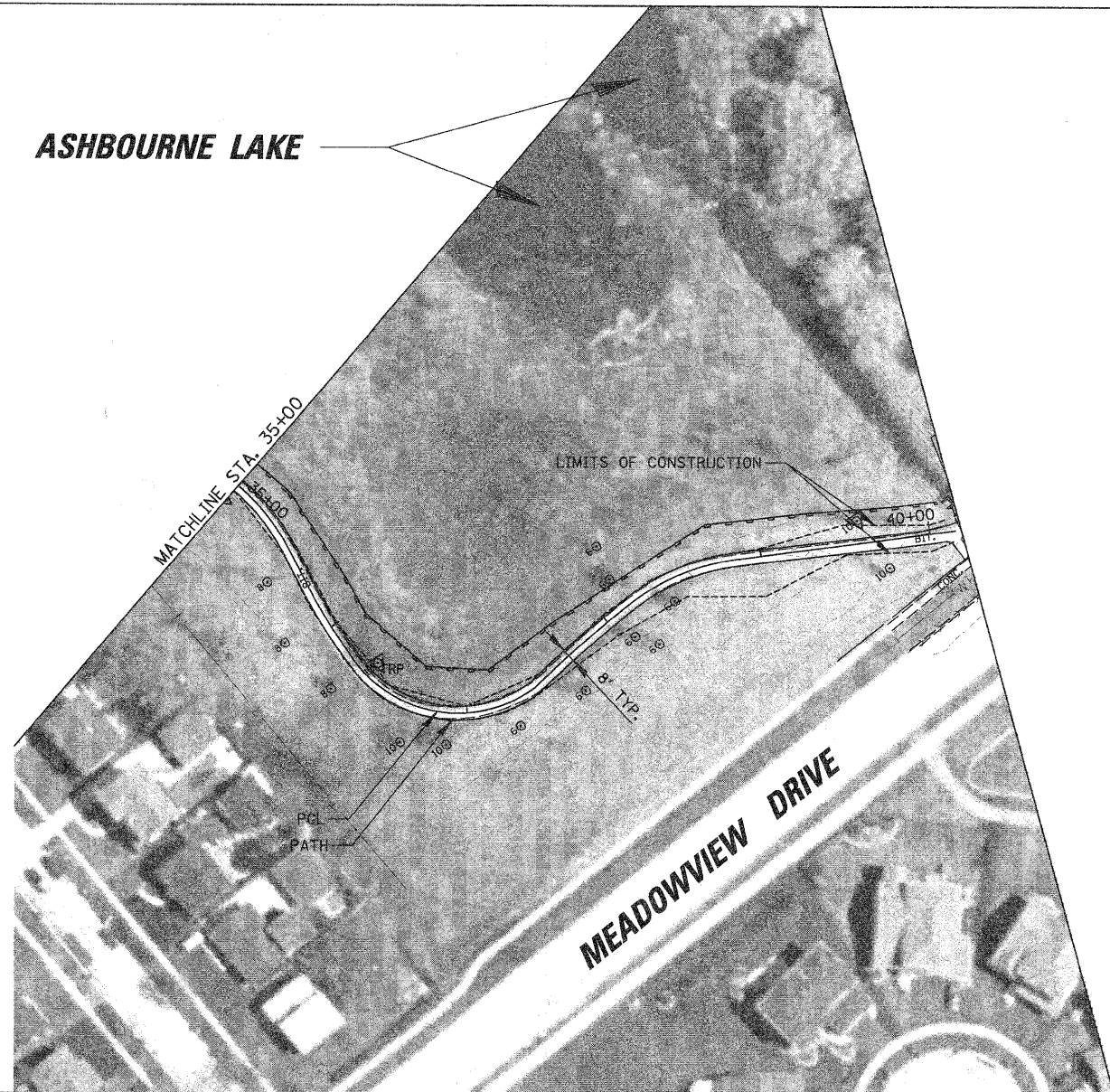


| | | | | | | | | | | |
|--|----------------------|----------------|---|---|--|-----------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BIKE PATH PLAN AND PROFILE - ASHBOURNE LAKE | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\0\landh\11s\000156\Cvi1\000156_Plan.pln | DESIGNED - LMF | REVISED - | 06-00021-00-BT | | | COOK | 60 | 9 | | |
| PLOT SCALE = 50' | CHECKED - LMF | REVISED - | CONTRACT NO. 63084 | | | | | | | |
| PLOT DATE = 10/28/2008 | DATE - 10/28/2008 | REVISED - | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |

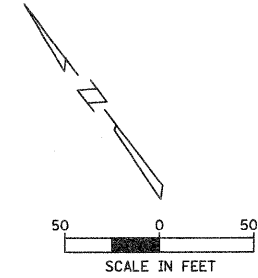
ASHBOURNE LAKE

| | | |
|------|--------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | CHECKED | |
| | BY | |
| | NO. OF WAY CHECKED | |
| | CADD FILE NAME | |

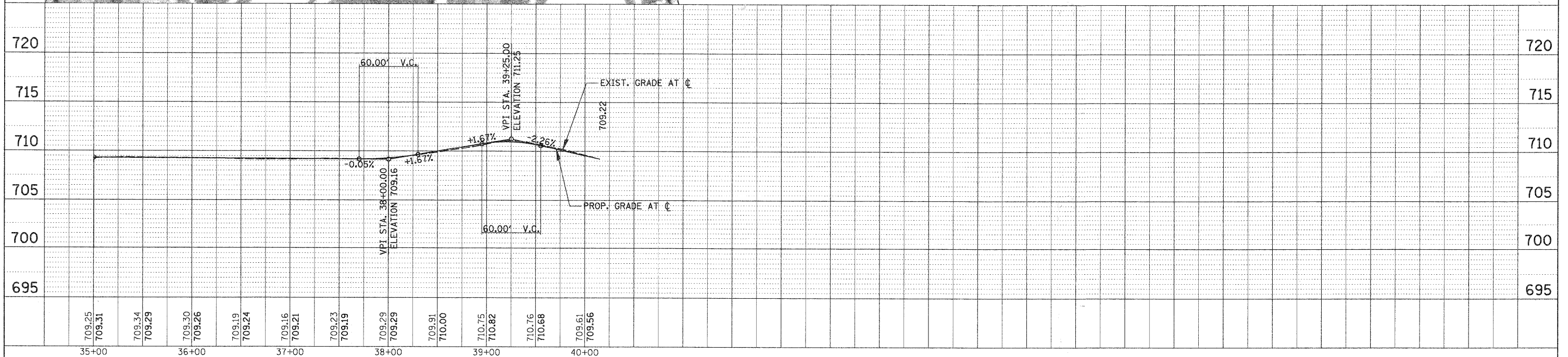
| | | |
|---------|-----------------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | CHECKED | |
| | BY | |
| | STRUCTURE NOTATIONS CHECKED | |



- BIKE PATH**
- HMA SURFACE COURSE, MIX "C", N50 - 3"
 - AGGREGATE BASE COURSE TYPE B, 9"



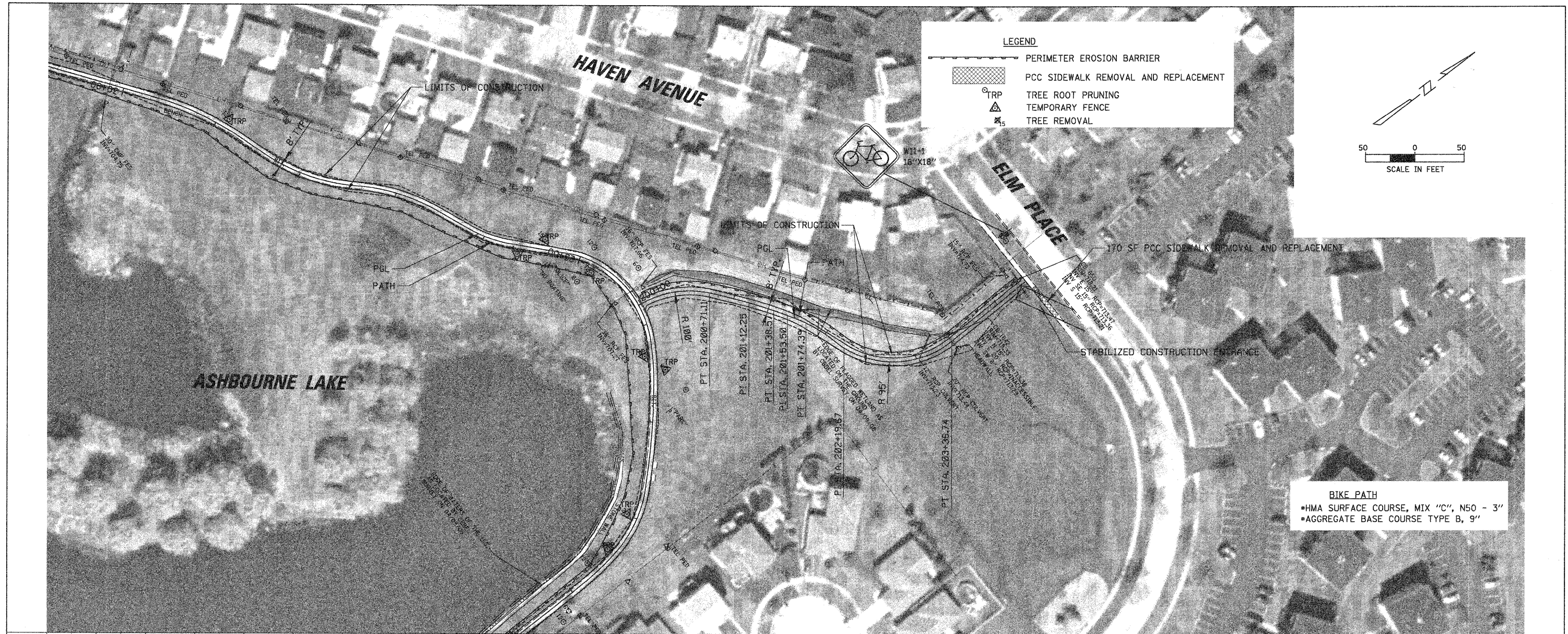
- LEGEND**
- PERIMETER EROSION BARRIER
 - PCC SIDEWALK REMOVAL AND REPLACEMENT
 - TRP TREE ROOT PRUNING
 - TEMPORARY FENCE
 - TREE REMOVAL



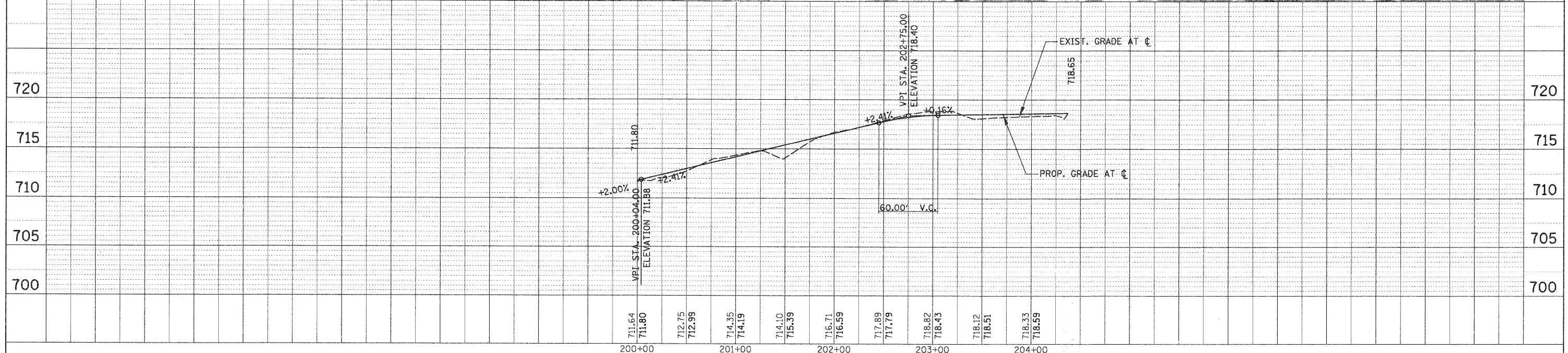
| | | | | | | | | | | | |
|---|----------------------|-------------------|-----------|--|--|---|---------|-----------------------------|--------------|-----------|--|
| FILE NAME = | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - | <p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> | <p align="center">BIKE PATH PLAN AND PROFILE - ASHBOURNE LAKE</p> | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| N:\0\land\115\080156\Csv1\080156_PLN3.pln | | DRAWN - MG | REVISED - | | | 06-00021-00-BT | COOK | 60 | 11 | | |
| PLOT SCALE = 5/8" | | CHECKED - LMF | REVISED - | | | CONTRACT NO. 63084 | | | | | |
| PLOT DATE = 10/28/2008 | | DATE - 10/28/2008 | REVISED - | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | |
| | | | | SCALE: 50' | | SHEET NO. OF SHEETS | | STA. 35+00 TO STA. 40+14.93 | | | |

| | | |
|------|--------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | CHECKED | |
| | REVISIONS | |
| | RT. OF WAY CHECKED | |
| | PAID FILE NAME | |
| | NO. | |

| | | |
|---------|--------------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | CHECKED | |
| | REVISIONS | |
| | BAK. NOTED | |
| | STRUCTURE NOTATIONS CHKO | |
| | NO. | |



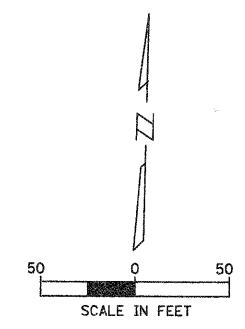
BIKE PATH
 •HMA SURFACE COURSE, MIX "C", N50 - 3"
 •AGGREGATE BASE COURSE TYPE B, 9"



| | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------------------|-------------------|-----------|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-----|------------|-----------|--------|--------------|----------------------------|
| FILE NAME = N:\Or\land\h11s\080156\Civ1\080156_PLN4.pln | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - | 711.64 | 711.80 | 712.75 | 712.99 | 714.35 | 714.19 | 714.10 | 715.39 | 716.71 | 716.59 | 717.89 | 717.79 | 718.82 | 718.43 | 718.12 | 718.51 | 718.33 | 718.59 | 720 | 720 | | | | |
| | | DRAWN - MG | REVISED - | 200+00 | 201+00 | 202+00 | 203+00 | 204+00 | | | | | | | | | | | | | | | | | | | |
| | | CHECKED - LMF | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION BIKE PATH PLAN AND PROFILE - ASHBOURNE LAKE | | | | | | | | | | | | | | | | | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | | DATE - 10/28/2008 | REVISED - | | | | | | | | | | | | | | | | | | | | SCALE: 50' | SHEET NO. | OF | SHEETS | STA. 200+00 TO STA. 204+37 |

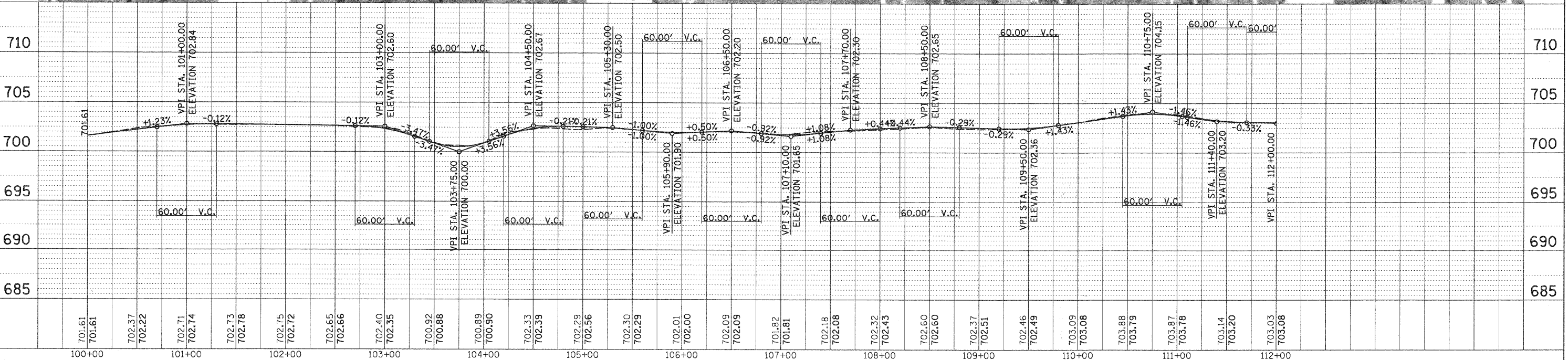
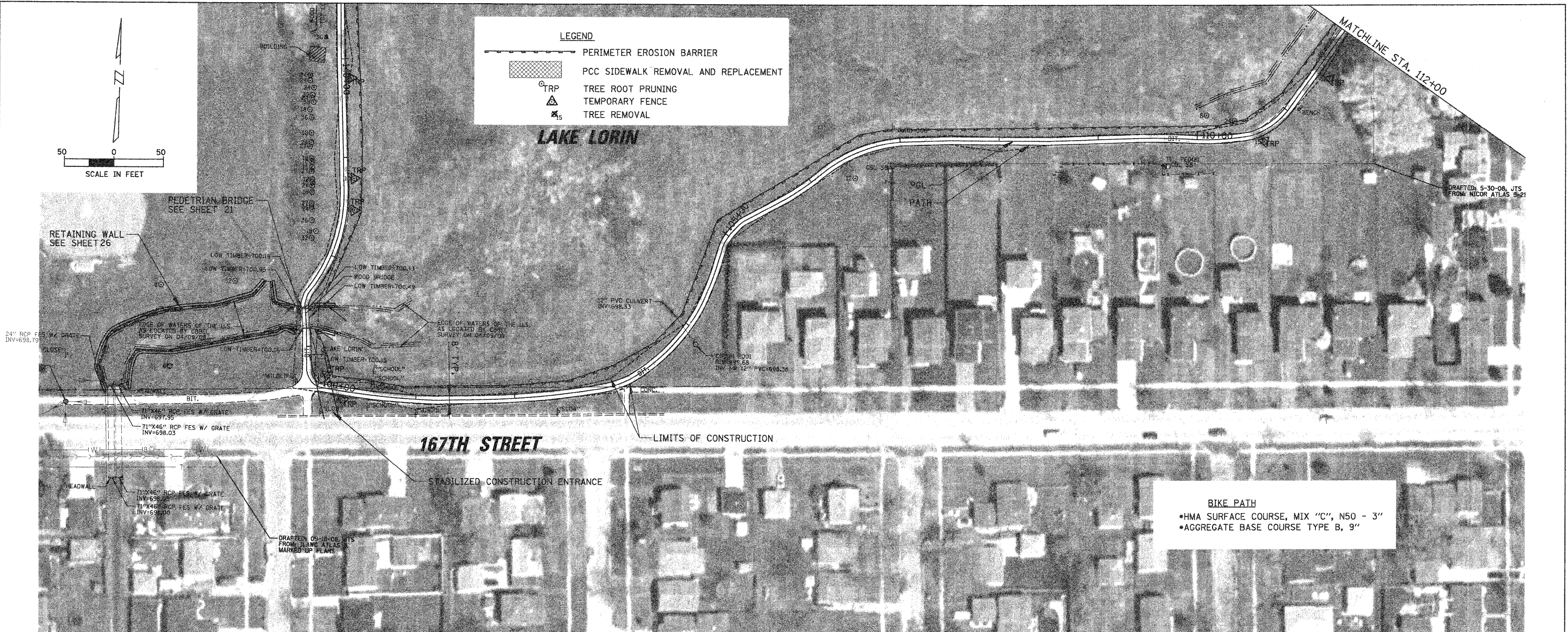
DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 CHECKED: _____ REVISIONS: _____
 NO. _____ STRUCTURE NOTATION: _____
 FILE NAME: _____

DATE: _____ BY: _____
 SURVEYED: _____ PLOTTED: _____
 CHECKED: _____ REVISIONS: _____
 NO. _____ STRUCTURE NOTATION: _____



LEGEND

- PERIMETER EROSION BARRIER
- PCC SIDEWALK REMOVAL AND REPLACEMENT
- TREE ROOT PRUNING
- TEMPORARY FENCE
- TREE REMOVAL



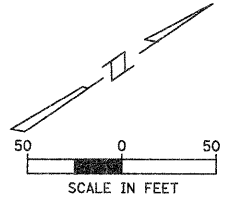
| | | | | | | | | | | | | |
|--|----------------------|-------------------|-----------|---|---|-----------|-----------|-------------|----------------|--------|--------------|-----------|
| FILE NAME = N:\0-land\hills\000156\Csv\1\000156_PLN5.pln | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BIKE PATH PLAN AND PROFILE - LAKE LORIN | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = 50' | DATE = 10/28/2008 | DRAWN - MG | REVISED - | | SCALE: 50' | SHEET NO. | OF SHEETS | STA. 100+00 | TO STA. 112+00 | COOK | 60 | 13 |
| | | CHECKED - LMF | REVISED - | | CONTRACT NO. 63084 | | | | | | | |
| | | DATE = 10/28/2008 | REVISED - | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | | | | |

| | |
|----------|----|
| DATE | BT |
| BY | |
| PLANNING | |
| DESIGNED | |
| DRAWN | |
| CHECKED | |
| DATE | |

| | |
|----------|----|
| DATE | BT |
| BY | |
| PLANNING | |
| DESIGNED | |
| DRAWN | |
| CHECKED | |
| DATE | |

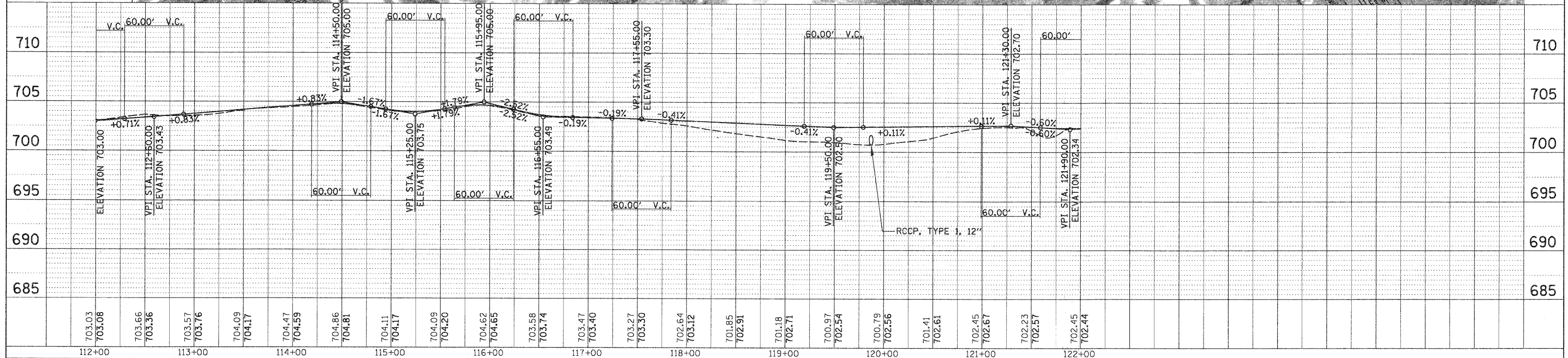
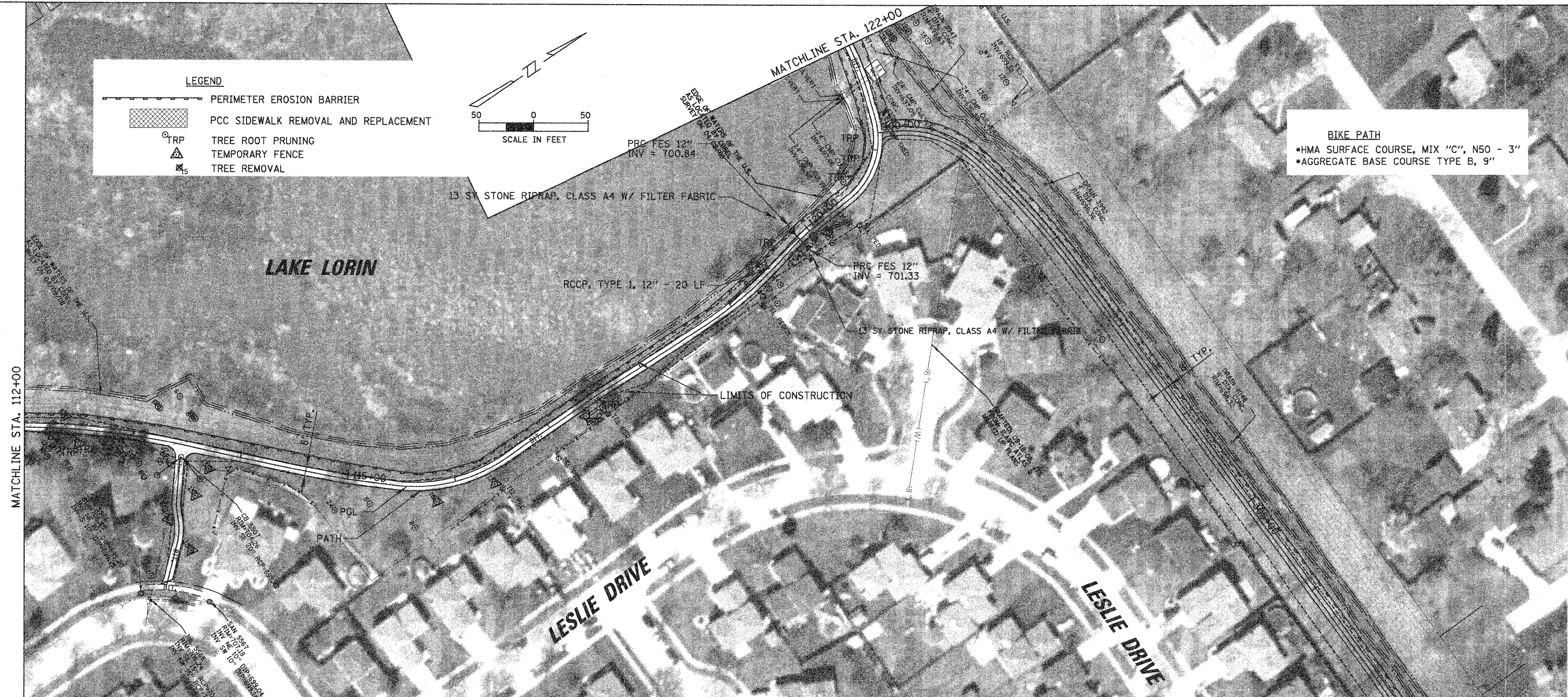
LEGEND

- PERIMETER EROSION BARRIER
- PCC SIDEWALK REMOVAL AND REPLACEMENT
- TREE ROOT PRUNING
- TEMPORARY FENCE
- TREE REMOVAL



BIKE PATH

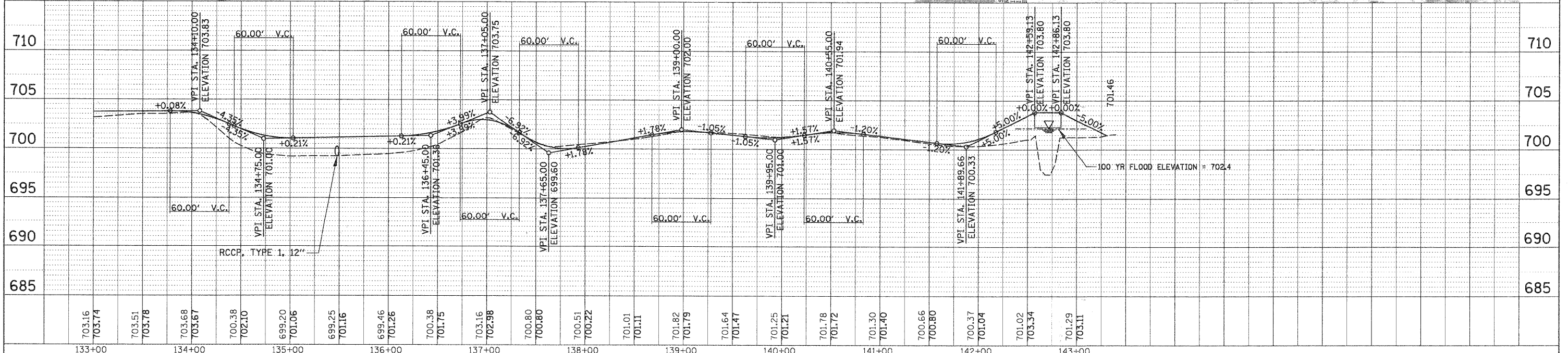
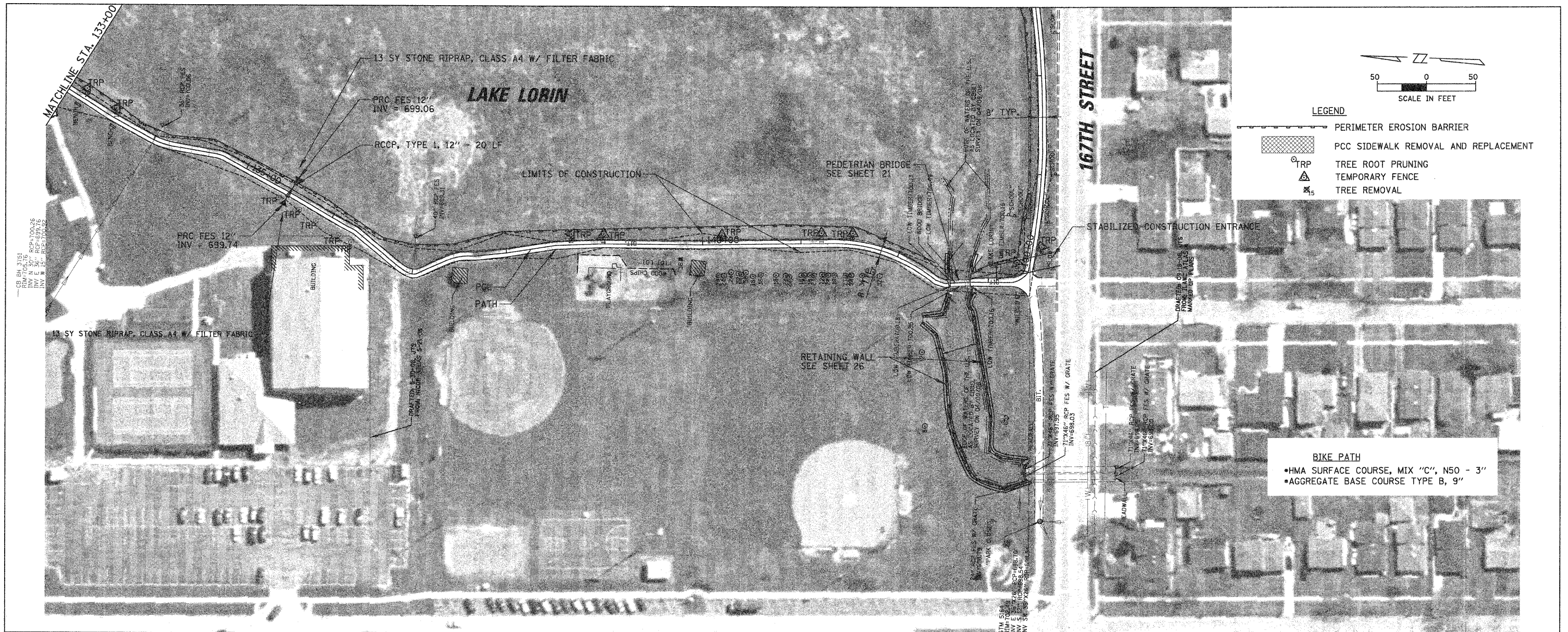
- HMA SURFACE COURSE, MIX "C", N50 - 3"
- AGGREGATE BASE COURSE TYPE B, 9"



| | | | | | | | | | | |
|--|----------------------|-------------------|-----------|---|--|---------------------------|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BIKE PATH PLAN AND PROFILE - LAKE LORIN | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\Or-Land\H115\080156\Cv1\080156_PLN6.p1r | | DRAWN - MG | REVISED - | | | 06-00021-00-BT | COOK | 60 | 14 | |
| PLOT SCALE = 50' | | CHECKED - LMF | REVISED - | | | CONTRACT NO. 63084 | | | | |
| PLOT DATE = 10/28/2008 | | DATE - 10/28/2008 | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|------|-----------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | NOTED | | |
| | FILED | | |
| | CHECKED | | |
| | BY | | |
| | DATE | | |
| | NO. | | |
| | FILE NAME | | |

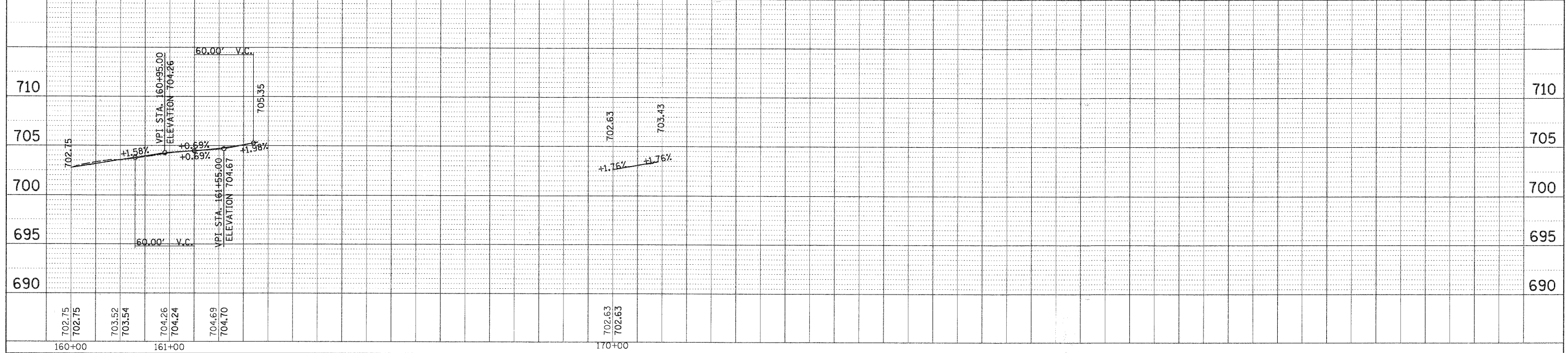
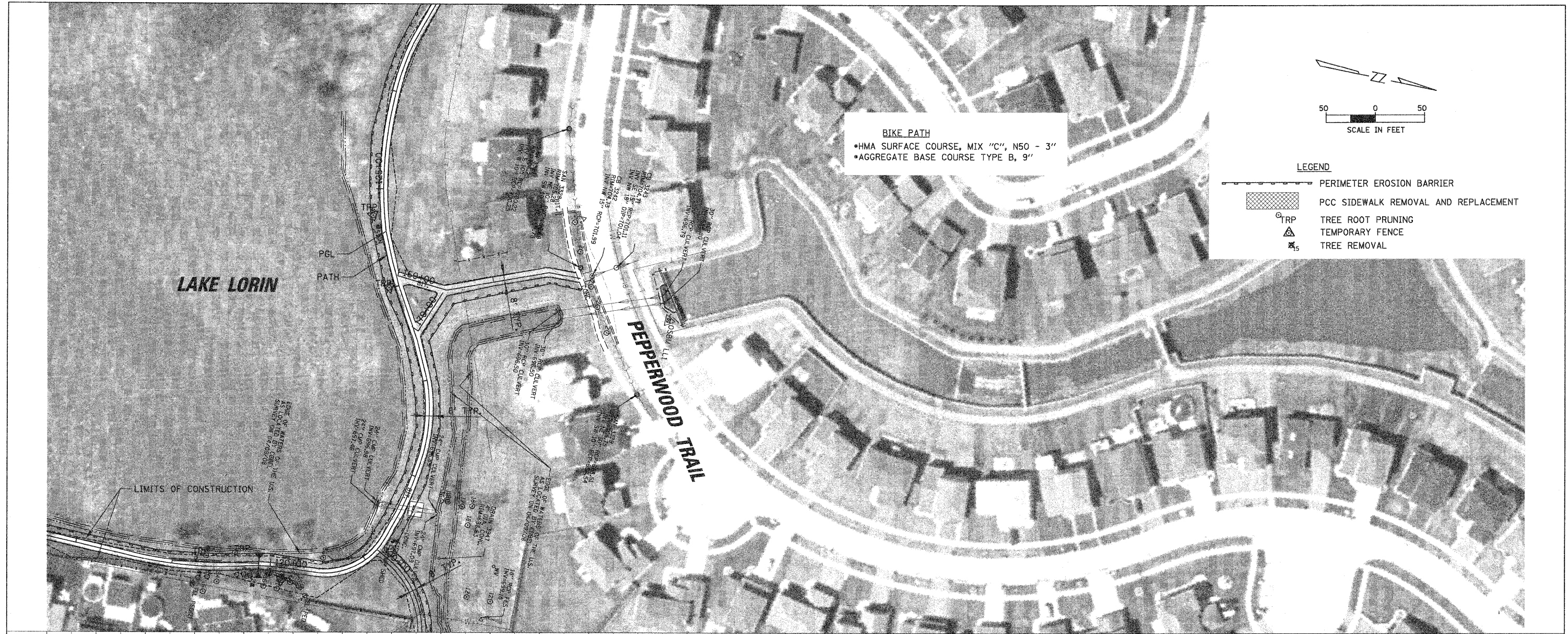
| | | | |
|---------|-----------|----|------|
| PROFILE | FORWARDED | BY | DATE |
| | PLOTTED | | |
| | NOTED | | |
| | FILED | | |
| | CHECKED | | |
| | BY | | |
| | DATE | | |
| | NO. | | |
| | FILE NAME | | |



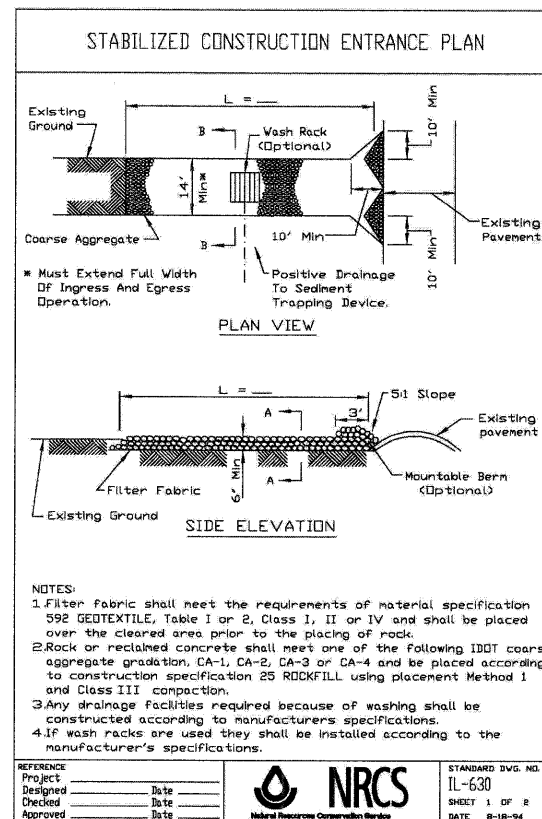
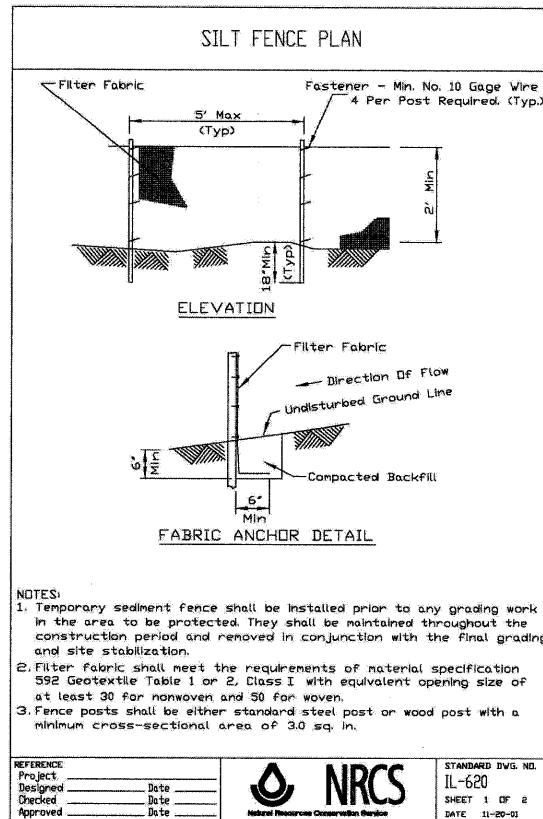
| | | | | | | | | | | |
|--|-------------|------------|-----------|---|---|---------------------------|---------|--------|--------------|------------------|
| FILE NAME = | USER NAME = | DESIGNED - | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BIKE PATH PLAN AND PROFILE - LAKE LORIN | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\0\landhull\080156\Civil\080156_PLN6.pln | MAGOLDEN | LMF | - | | | 06-00021-00-BT | COOK | 60 | 16 | |
| PLOT SCALE = 50' | CHECKED - | LMF | REVISED - | | | CONTRACT NO. 63084 | | | | |
| PLOT DATE = 10/28/2008 | DATE - | 10/28/2008 | REVISED - | | | ILLINOIS FED. AID PROJECT | | | | |
| SCALE: 50' | | | | | | SHEET NO. | OF | SHEETS | STA. 133+00 | TO STA. 143+13.6 |

| | | | |
|------|-----------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | CHECKED | | |
| | REVISIONS | | |
| | FILE NAME | | |
| | NO. | | |

| | | | |
|---------|-----------|----|------|
| PROFILE | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | CHECKED | | |
| | REVISIONS | | |
| | FILE NAME | | |
| | NO. | | |



| | | | | | | | | | | |
|---|----------------------|-------------------|-----------|---|--|---|---------|--------|--------------|-----------|
| FILE NAME = | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | BIKE PATH PLAN AND PROFILE - LAKE LORIN | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N:\Dr\land\113e\080156\Civ1\080156_PLN9.p1N | | DRAWN - MG | REVISED - | | | 06-00021-00-BT | COOK | 60 | 17 | |
| PLOT SCALE = 50' | | CHECKED - LMF | REVISED - | | | CONTRACT NO. 63084 | | | | |
| PLOT DATE = 10/28/2008 | | DATE - 10/28/2008 | REVISED - | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT | | | | |
| | | SCALE: 50' | | SHEET NO. OF SHEETS | | STA. 160+00 TO STA. 170+46.23 | | | | |



STANDARD NOTES (ON SESC PLAN):

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

WILL-SOUTH COOK COUNTY SOIL AND WATER CONSERVATION DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

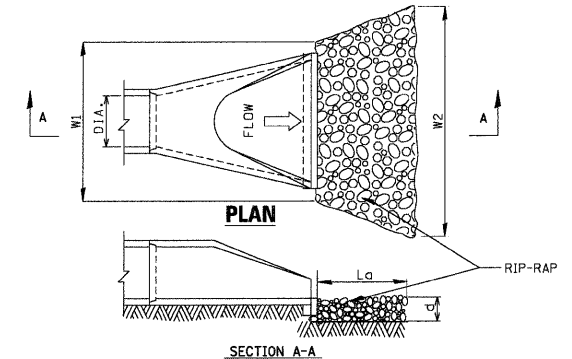
A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE WILL-SOUTH COOK COUNTY SOIL AND WATER CONSERVATION DISTRICT.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE W-SCCSWCD.

DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.

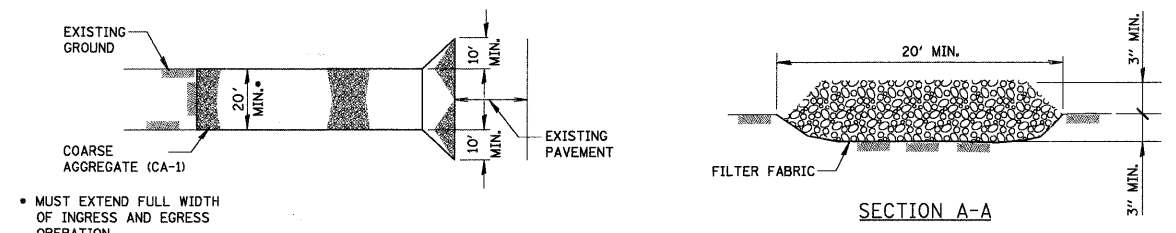
ALL WORK IN CRITICAL AREAS WILL BE PROTECTED AND NO WORK WILL BE COMPLETED IN FLOWING WATER.



| DIA. (in.) | La (ft) | W1 (in.) | W2 (ft) | RIP-RAP SIZE | d (in.) | VOLUME (cy) |
|------------|---------|----------|---------|--------------|---------|-------------|
| 12 | 10 | 36 | 11 | 4"-8" | 12 | 2.6 |
| 15 | 12 | 45 | 13.2 | 4"-8" | 12 | 3.8 |
| 18 | 14 | 54 | 15.5 | 4"-8" | 12 | 5.2 |

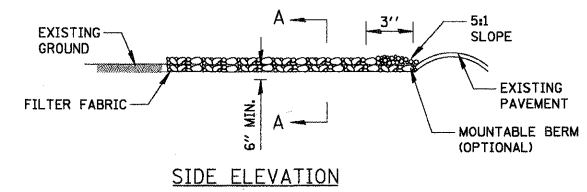
- NOTES:**
- ABOVE TABLE FOR PIPE OUTLET TO FLAT AREA WITH NO WELL DEFINED EXISTING OR PROPOSED EXISTING OR PROPOSED CHANNEL OR DITCH.
 - FOR PIPE OUTLET TO AREAS WITH EXISTING OR PROPOSED WELL DEFINED CHANNEL OR DITCH THE RIP-RAP SHALL EXTEND ACROSS THE DITCH BOTTOM AND UP THE DITCH SIDE SLOPES TO TOP OF CULVERT ELEVATION FOR LENGTH, La SHOWN IN TABLE ABOVE.
 - THE FILTER FABRIC SHALL MEET THE REQUIREMENTS IN MATERIAL SPECIFICATIONS 592 GEOTEXTILE TABLE 1 OR 2, CLASS I, II, III.
 - RIP-RAP SHALL BE IN ACCORDANCE WITH ARTICLE 281.04A OF THE STANDARD SPECIFICATIONS FOR STONE RIPRAP WITH THE FOLLOWING EXCEPTIONS. THE RIPRAP SHALL BE FOUR (4) TO EIGHT (8) INCHES IN DIAMETER MINIMUM FIELD STONE COBBLES. LIMESTONE RIPRAP IS NOT ACCEPTABLE. SAMPLES OF SPECIFIED MATERIAL SHALL BE SUBMITTED FOR APPROVAL TO THE OWNER PRIOR TO DELIVERY AND PLACEMENT. THE FURNISHED MATERIAL SHALL BE FROM THELEN SAND AND GRAVEL - ANTIOCH QUARRY (847-395-3313) OR APPROVED EQUAL.

SILT EROSION CONTROL AT FLARED END SECTION

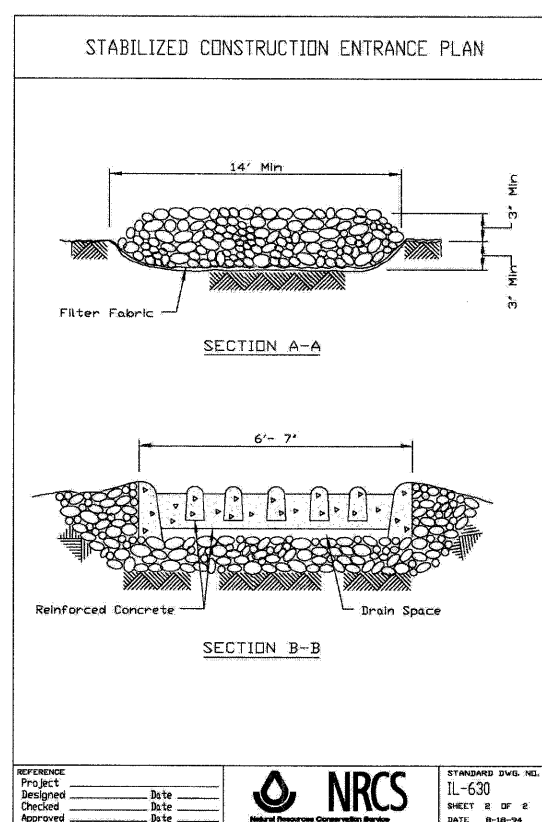
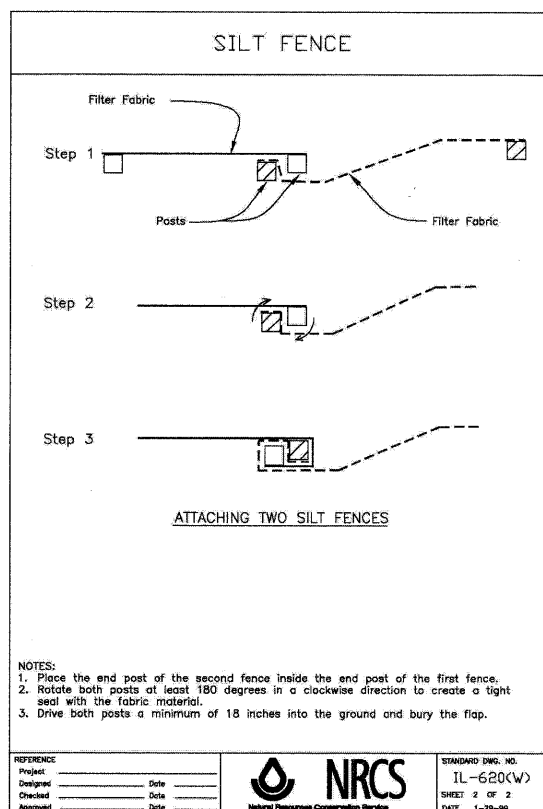


MUST EXTEND FULL WIDTH OF INGRESS AND EGRESS OPERATION.

- NOTES:**
- FILTER FABRIC SHALL MEET THE REQUIREMENTS OF MATERIAL SPECIFICATION 592 GEOTEXTILE, TABLE 1 OR 2, CLASS I, II OR IV AND SHALL BE PLACED OVER THE CLEARED AREA PRIOR TO THE PLACING OF ROCK.
 - ROCK OR RECLAIMED CONCRETE SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATION, CA-1, CA-2, CA-3 OR CA-4 AND BE PLACED ACCORDING TO CONSTRUCTION SPECIFICATION 25 ROCKFILL USING PLACEMENT METHOD 1 AND CLASS III COMPACTION.
 - ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.



STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



| | | | |
|---------------------------------------|----------------------|-------------------|-----------|
| FILE NAME = | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - |
| N:\0r1andH\11s\080156\1\080156_not.SE | PC.pln | DRAWN - MG | REVISED - |
| | PLOT SCALE = 1' | CHECKED - LMF | REVISED - |
| | PLOT DATE = NTS 000 | DATE - 10/28/2008 | REVISED - |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SESC DETAILS AND STANDARD NOTES

SCALE: 1' SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 20 |
| CONTRACT NO. 63084 | | | ILLINOIS FED. AID PROJECT | |

Bench Mark: Northwest flange bolt of fire hydrant on the SW corner of 163rd St. and Sherwood Dr. at house #8711.
Elevation 697.97

Existing Structure: No structure number. Single span 21'-10" bk to bk abutments. Timber girders with timber decking. Out to out dimension approximately 6'-4". Unknown type of concrete abutment. Original construction date and plans not available. The contractor shall remove the existing structure as required and replace it with a prefabricated steel truss pedestrian bridge supported on open pile bent abutments. No stage construction required.

No Salvage

INDEX OF SHEET

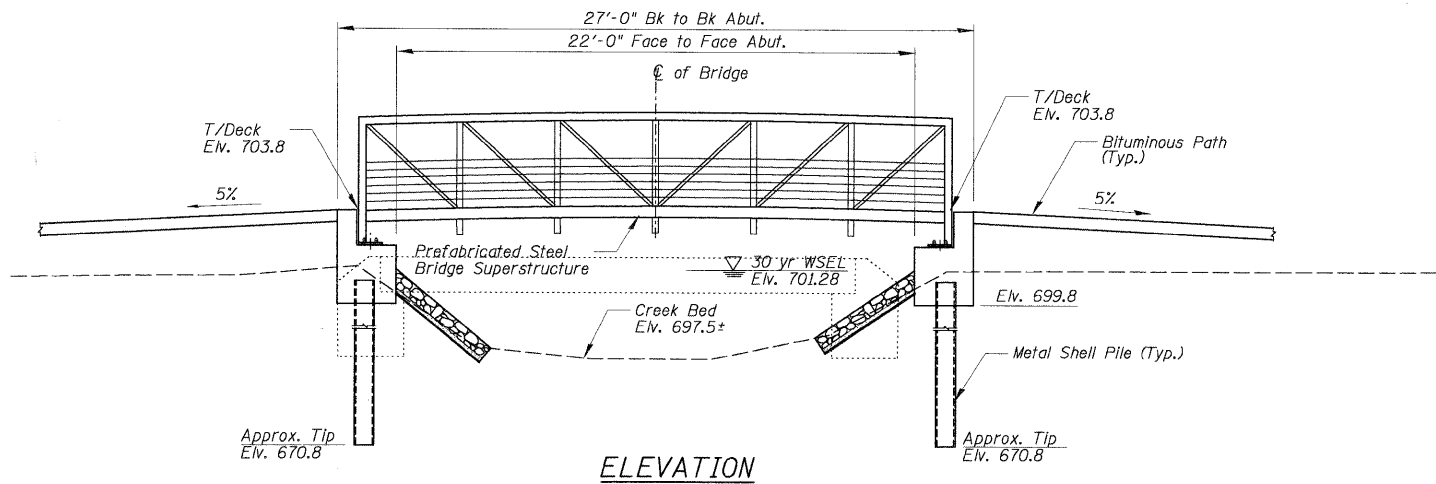
- 21 General Plan and Elevation
- 22 General Notes
- 23 Abutment Details
- 24 Metal Shell Pile Details
- 25 Boring Logs
- 26 Retaining Wall

NOTES:
1. Camber Overall Bridge Profile 1% Of The Bridge Length But At No Point Along The Bridge Shall The Deck Slope Be Greater Than 5%. In Addition, All Truss Verticals Shall Be Plumb.

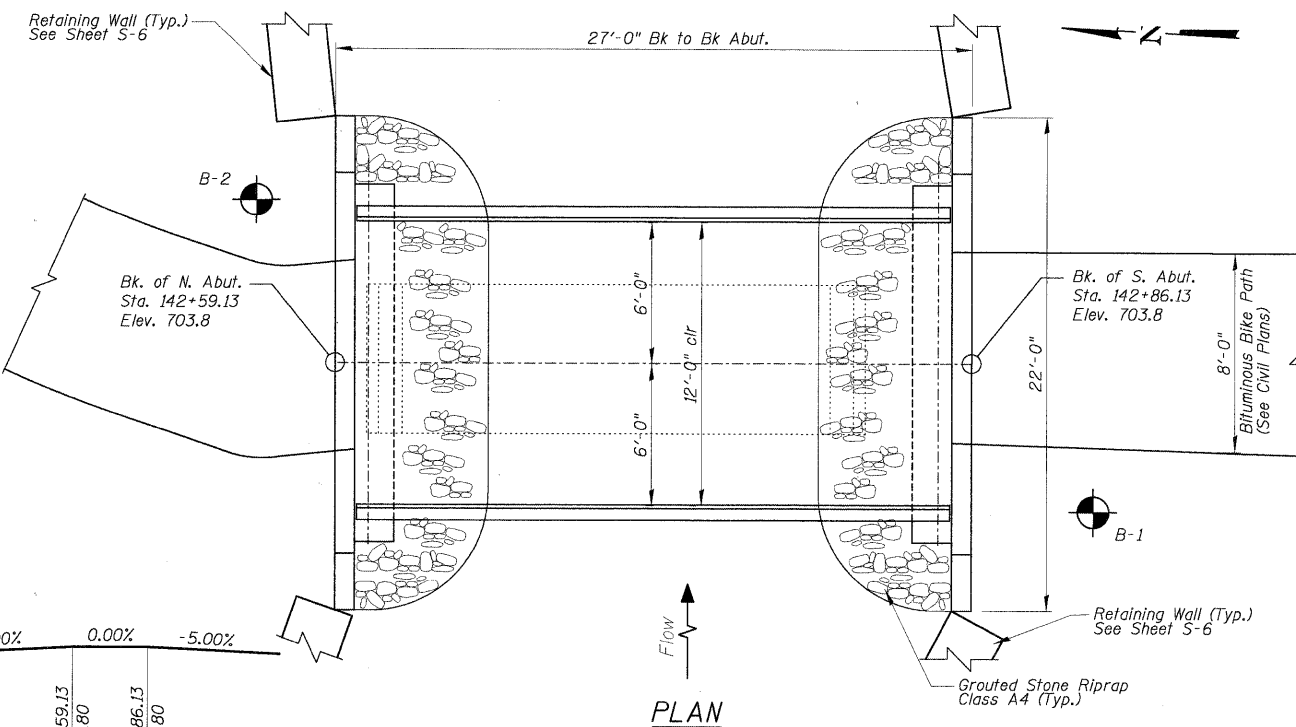
BILL OF MATERIAL (BRIDGE)

| ITEM | DESCRIPTION | UNIT | QUANTITY |
|-----------|---|---------|----------|
| * | Grouted Stone Riprap, Class A4 | Sq. Yd. | 20 |
| 28200200 | Filter Fabric | Sq. Yd. | 20 |
| 50100100 | Removal of Existing Structures | Each | 1 |
| 50200100 | Structure Excavation | Cu. Yd. | 38 |
| 50300225 | Concrete Structures | Cu. Yd. | 13.3 |
| 50800105 | Reinforcement Bars | Lbs. | 1560 |
| 51200956 | Furnishing Metal Shell Piles 12" x 0.179" | Foot | 120 |
| 51202305 | Driving Piles | Foot | 120 |
| *X0322508 | Pedestrian Truss Superstructure | Sq. Ft. | 304 |

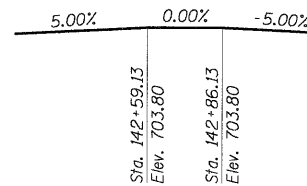
* Special Provision



ELEVATION



PLAN



PROFILE GRADE
(along ϕ bike path)

WATERWAY INFORMATION

Drainage Area = 0.48 sq. mi. Low Grade Elev. 703.80 @ Sta. 143+00

| Flood | Freq. Yr. | Q C.F.S. | Opening Exist. Prop. | Sq. Ft. Nat. H.W.E. Exist. Prop. | Head - Ft. Exist. Prop. | Headwater El. Exist. Prop. |
|-------------|-----------|----------|----------------------|----------------------------------|-------------------------|----------------------------|
| Design | 10 | 127 | 46.7 | 74.0 | 701.09 | 701.15 |
| Base | 30 | 185 | 51.4 | 80.2 | 701.29 | 701.42 |
| Overtopping | 50 | 204 | 95.1 | 102.5 | 701.99 | 702.04 |
| Max. Calc. | 100 | 253 | 128.9 | 118.9 | 702.39 | 702.41 |
| | 500 | 360 | 162.6 | 133.6 | 702.78 | 702.80 |

SUPERSTRUCTURE DESIGN SPECIFICATIONS

AASHTO "Guide Specifications For Design Of Pedestrian Bridges"

SUBSTRUCTURE DESIGN SPECIFICATIONS

2002 AASHTO "Standard Specifications For Highway Bridges," 17th Edition

DESIGN STRESSES

FIELD UNITS

f'_c = 3,500 psi (IDOT Class SI)
 f_y = 60,000 psi (Reinforcement Bars)

LOADING H6 (12000#)

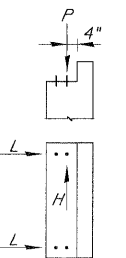
Distributed Live Load = 85 psf

PILE DATA

Type: Metal Shell Pile - 12" Dia. x 0.179" Walls
The Metal Shell Piles Shall Be According To ASTM A252 Grade 3
Nominal Required Bearing: 60 kips
Allowable Resistance Available: 20 kips
Estimated Length: 30 Feet
No. Required: 2 Each Abutment
No Test Piles

BRIDGE REACTION TABLE

| ITEM | P (LBS) BRG. | H (LBS) ABUTMENT | L (LBS) |
|----------------|--------------|------------------|---------|
| DEAD LOAD | 2,500 | --- | --- |
| UNI. LIVE LOAD | 6,420 | --- | --- |
| VEHICLE LOAD | 6,000 | --- | --- |
| UPLIFT WIND | 2,395 | --- | --- |
| 20 PSF | --- | --- | --- |
| WIND | +590 | 2,440 | --- |
| THERMAL | --- | --- | 875 |

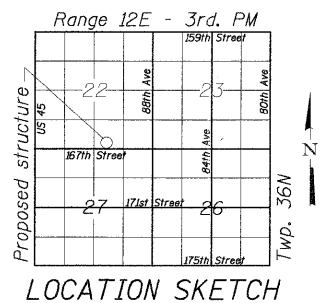


All Footings Have Been Designed Based On The Bridge Reactions Shown
"P"- Vertical Load Per Base Plate
"H"- Horizontal Load Per Footing
"L"- Longitudinal Load Per Base Plate

I Certify That To The Best Of My Knowledge, Information And Belief, This Bridge Design Is Structurally Adequate For The Design Loading Shown On The Plans. The Design Is An Economical One For The Style Of Structure And Complies With Requirements Of The Current "AASHTO Standard Specification For Highway And Bridges".



10/29/2008
Majid Mobasseri
MAJID MOBASSERI
ILLINOIS REGISTRATION No. 081-005058
STRUCTURAL ENGINEER
EXPIRATION DATE: 11/30/08



LAKE LORIN BIKE TRAIL
OVER TINLEY CREEK
SECTION 06-00021-01-BT
COOK COUNTY, ILLINOIS
STA. 142+72.63
STRUCTURE NO. N/A

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9975 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

| | | | | | | | | | | | |
|---|----------------------|----------------|-----------|---|----------------------------|---|----------------|--------|--------------|-----------|--|
| FILE NAME = | USER NAME = MAJIDMOB | DESIGNED = WJS | REVISED = | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | GENERAL PLAN AND ELEVATION | F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. | |
| N:\0-land\111\080156\Struct\080156-S1.PLT | | DRAWN = PDR | REVISED = | | | N/A | 06-00021-00-BT | COOK | 60 | 21 | |
| | | CHECKED = MM | REVISED = | | | CONTRACT NO. 63084 | | | | | |
| | | DATE = | REVISED = | | | FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003043 | | | | | |

I GENERAL NOTES

- All work shall be done in accordance to the Illinois Department of Transportation (IDOT) Standard Specification For Road and Bridge Construction, Adopted January 1, 2007, and latest Supplemental Specifications and recurring Special Provisions, unless noted otherwise. Construction Plans and Subsequent Details are all to be considered as part of the Contract. Incidental Items or Accessories necessary to complete this work may not be specifically noted but are considered a part of this Contract.
- 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 the work with the actual conditions. If there are discrepancies between the job site and what is shown on the construction plans, the contractor must immediately report to Engineer before doing any work, otherwise the Contractor shall assume full responsibility. In the event of disagreement between the plans and existing conditions or details, the Contractor shall secure written instruction from the Engineer prior to proceeding with any part of the work affected by omissions or discrepancies. In failing to secure such instruction, the Contractor will be considered to have proceeded at his own risk and expense. In the event of any doubt or questions arising with respect to the true meaning of the Construction Plans or Specifications, the decision of the Engineer shall be final and conclusive.
- Contractor shall verify all topographic information and grade elevations adjacent to bridge prior to proceeding, inform Engineer of any variation.
- All compacted fill and backfill material shall be a clean granular material placed in lifts of twelve (12) inches or less in loose thickness and compacted to a minimum of 95 percent of the material's maximum standard proctor dry density (ASTM D-698).

- Upon completion, the contractor shall collect and remove all construction debris and excess material from the site. Damaged trees, shrubs, and other landscape features resulting from construction activities shall be replaced or repaired.
- All bearing surfaces must be true and level.
- Contractor must coordinate with Bridge Manufacturer to ensure proper placement of cast-in-place anchors. If the contractor elects to use post-installed anchors in lieu of cast-in-place anchors, he must coordinate the plate dimensions, bolt spacing and bolt quantity with the Bridge Manufacturer prior to construction.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

V FOUNDATION NOTES

- The contractor is responsible for design, installation and removal of all excavation support systems.
- The excavation and work area shall be properly drained of all times during construction, all wet, loose, frozen or other unsuitable material shall be removed prior to placement of concrete or compacted backfill.
- It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction areas free of water. The method of water diversion shall be subject to the approval of the Engineer and cost shall be included with "Structure Excavation".
- The pile design is based on the geotechnical report prepared by H.H. Holmes Testing Laboratories, Inc. (Report No. 1706-4) dated July 30, 2008.

II CAST-IN-PLACE CONCRETE

- All cast-in-place concrete work and reinforcing steel work shall be in accordance with Sections 503 and 508 respectively of the IDOT Standard Specifications For Road And Bridge Construction, adopted January 1, 2007, and Supplemental Specifications and Recurring Special Provisions and as noted below.
- Concrete testing shall be the responsibility of the contractor according to Article 1020.09 of IDOT Standard Specifications for Road and Bridge Construction, Adopted January 1, 2007.
- Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces cast against earth and 2" for all other surfaces unless otherwise shown.
- Reinforcement Bars shall conform to the requirements of ASTM A 706, Grade 60. See Special Provisions.
- Reinforcing bar bending dimensions are out to out.
- Reinforcing bar bending details shall be in accordance with the "Manual of Standard Practice for Detailing Reinforced Concrete Structures", ACI 315, latest edition. Shop bending and placement drawings shall be submitted to the Engineer for review and approval prior to fabrication.
- All C.I.P. concrete shall be class SI concrete and shall have a minimum compressive strength of 3,500 psi @ 28 days.
- All exposed concrete edges shall be beveled 3/4".
- All Walking Surfaces Shall Receive a "Broom" Finish.

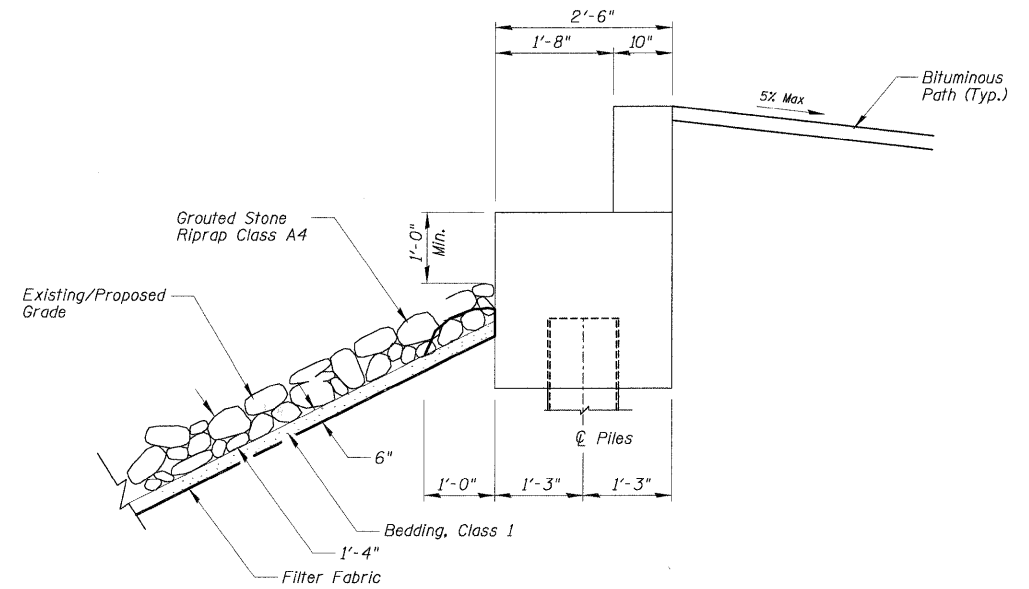
III PREFABRICATED PEDESTRIAN BRIDGE

The Prefabricated Pedestrian Bridge shall be designed, fabricated, delivered and erected according to the Special Provisions of "Pedestrian Truss Superstructure" and design plans.

- Style: Pratt Truss or Approved Equal.
- Span: 25' - 4" end to end of the bridge structure. Decking: Wood decking shall be untreated IPE natural hardwood. The wood deck shall be designed for a minimum 85 PSF Local loading condition in addition to wheel loads associated with a 12,000 lb vehicle. Floor planks shall be attached to supporting members with at least two plated fasteners at a minimum of 3 locations per plank. Manufacturer must provide a 15 year warranty on decking material and fasteners.
- Finishes: All structural steel shall be cleaned and painted according to the Special Provision for "Cleaning and Painting New Metal Structures." The contractor shall submit color samples to the Village for approval.
- Quality: The bridge manufacturer shall maintain proper records assuring that all steel, bolts, and materials used are in accordance with material specified. The bridge shall be identified and marked with a permanent nameplate showing the manufacturer's name, location, date of manufacture, and load carrying capacity. Structural material shall be traceable to each bridge. All welders shall be qualified in accordance with AWS D1.1-2002 structural welding code. All workmanship shall be in compliance with AASHTO and AISC standard practice. Full penetration weld details used in shop splices shall be submitted to the Engineer to determine testing required (if any).
- Delivery: Bridges shall be delivered by truck to a location nearest the site accessible by roads.
- Field welding of construction accessories will not be permitted to beams or girders.

IV CONSTRUCTION

- Do not scale dimensions for construction. Scale, if shown, applies only to full size drawings.
- No construction joints, except those shown on the plans, will be allowed unless directed by the Engineer.
- Any information concerning type or location of underground and other utilities is not guaranteed to be accurate or all inclusive. The Contractor is responsible for making his own determinations as to the type and location of the utilities as may be necessary to avoid damage thereto. Contractor shall call J.U.L.I.E. and the Village of Orland Hills prior to excavation.
- Shop working or layout drawings pertaining to the construction of the work, as may be required, shall be submitted to the Engineer for approval prior to the start of construction.



TYPICAL RIPRAP TREATMENT AT ABUTMENT

| LAP SPLICE SCHEDULE | |
|---------------------|------------------|
| BAR SIZE | CLASS "B" SPLICE |
| #4 | 1'-10" |
| #5 | 2'-3" |
| #6 | 2'-9" |

LAKE LORIN BIKE TRAIL
OVER TINLEY CREEK
SECTION 06-00021-01-BT
COOK COUNTY, ILLINOIS
STA. 142+72.63
STRUCTURE NO. N/A

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9975 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

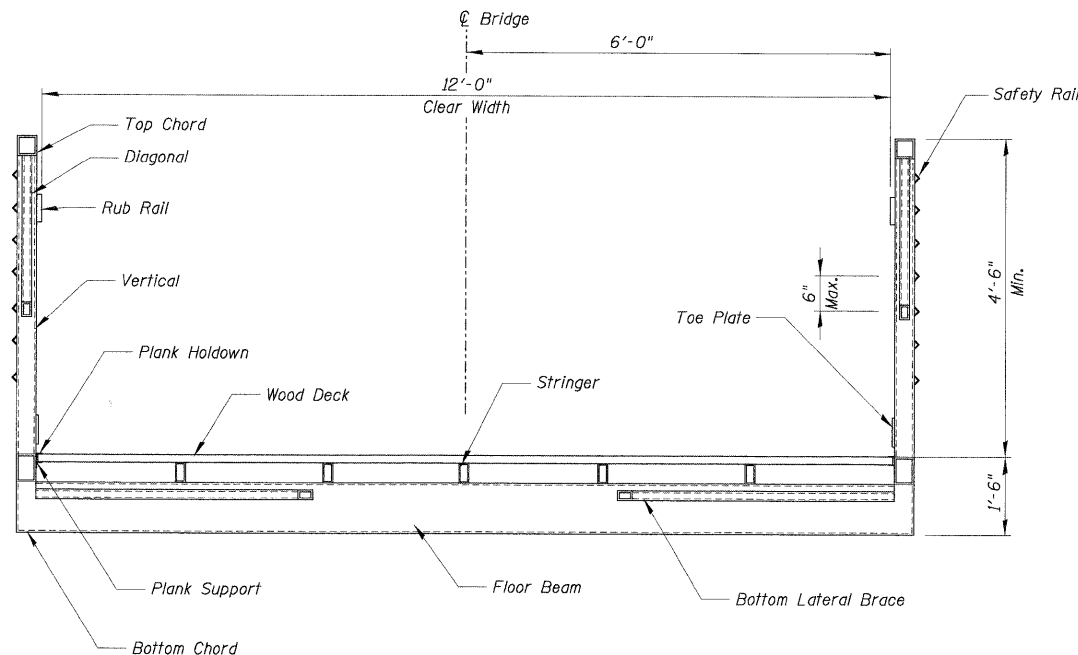
| | | | |
|---|------------------------|----------------|-----------|
| FILE NAME = | USER NAME = MAGOLDEN | DESIGNED - WJS | REVISED - |
| N:\0-land\hills\080156\Struct\080156-nota-PLN | | DRAWN - PDR | REVISED - |
| | PLT SCALE = 1' | CHECKED - MM | REVISED - |
| | PLOT DATE = 10/28/2008 | DATE - | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

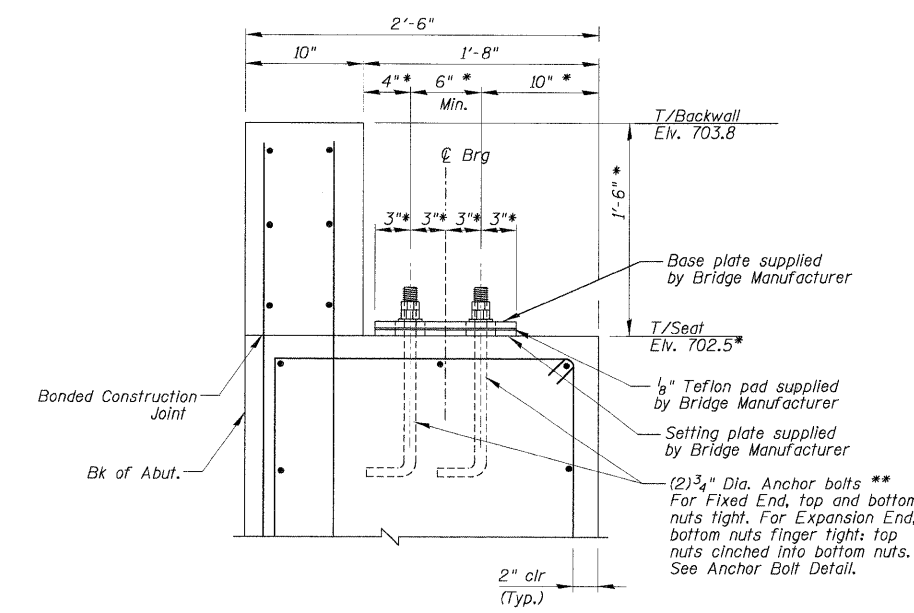
GENERAL NOTES

SHEET NO. S-2 OF S-6

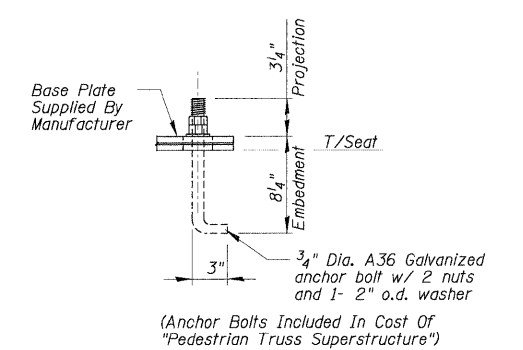
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|--|----------------|--------|--------------|-----------|
| N/A | 06-00021-00-BT | COOK | 60 | 22 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431 | | | | |



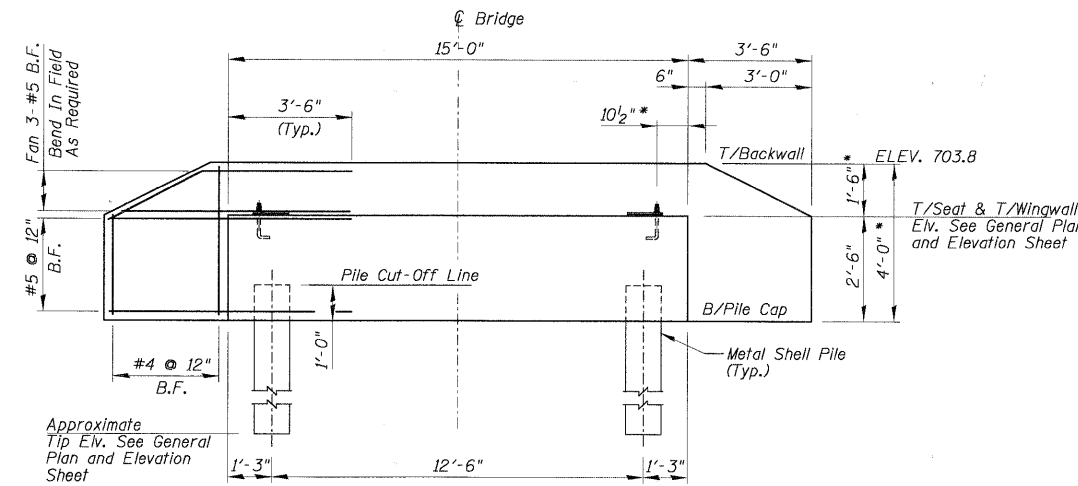
SECTION THRU FABRICATED BRIDGE SUPERSTRUCTURE



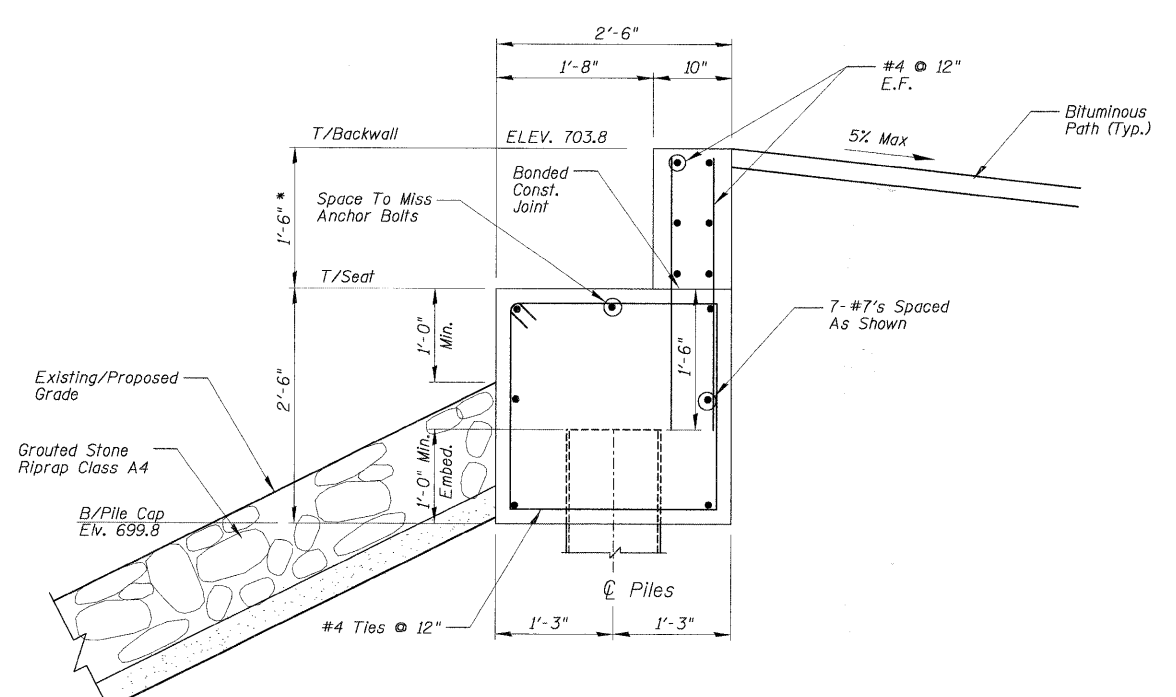
TYPICAL BEARING DETAIL



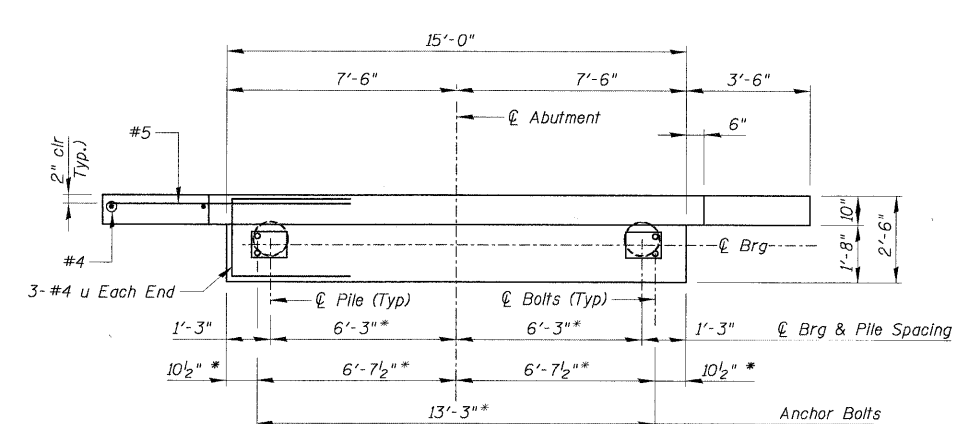
ANCHOR BOLT DETAIL



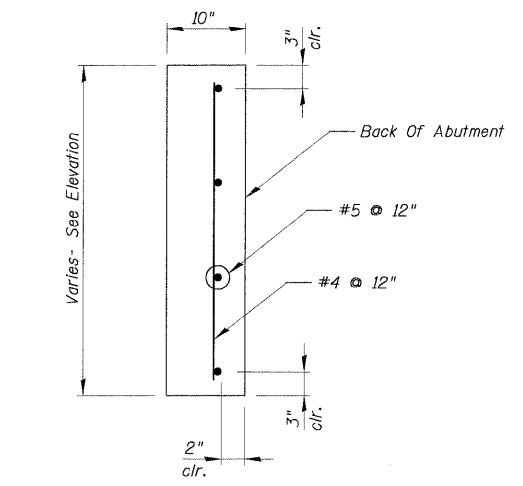
TYPICAL ABUTMENT ELEVATION



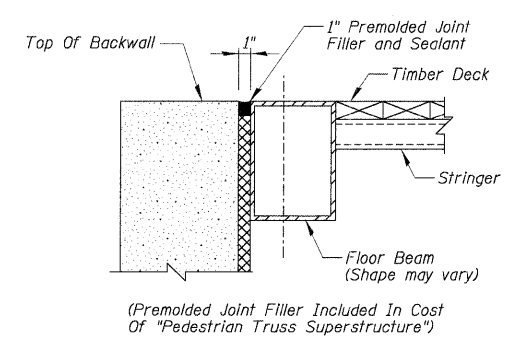
TYPICAL ABUTMENT SECTION



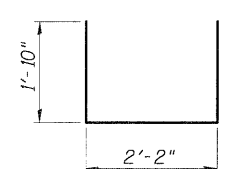
TYPICAL ABUTMENT PLAN



TYPICAL WINGWALL SECTION



JOINT SEAL AT ABUTMENT



BAR U

NOTES:
 * Contractor shall coordinate all dimensions with Bridge Manufacturer prior to construction.
 ** Contractor has the option of substituting anchor bolts with 4-3/4" ϕ HILTI HAS-EE AISI 304 SS Bolts embedded 6" into HIT HY 150 Injection adhesive. Bolts shall not be placed less than 5" from the edge of the structure or less than 6" apart. Contractor shall coordinate plate dimensions, bolt spacing and bolt quantity with Bridge Manufacturer prior to construction.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9875 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

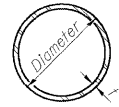
ABUTMENT DETAILS

SHEET NO. S-3 OF S-6

| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| N/A | 06-00021-00-BT | COOK | 60 | 23 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003(043) | | | | |

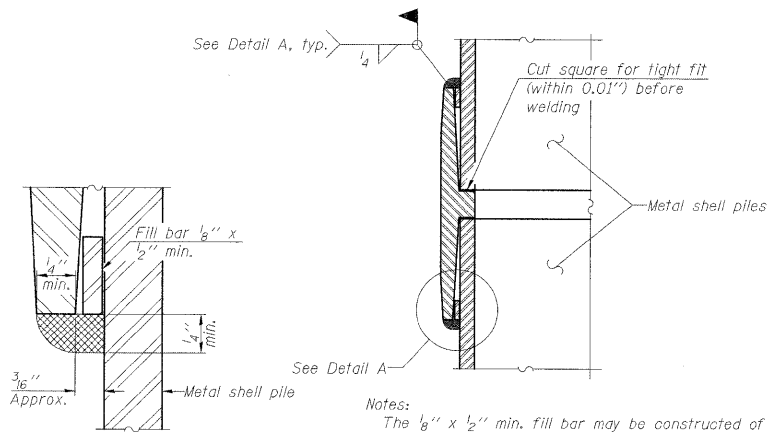
LAKE LORIN BIKE TRAIL
 OVER TINLEY CREEK
 SECTION 06-00021-01-BT
 COOK COUNTY, ILLINOIS
 STA. 142+72.63
 STRUCTURE NO. N/A

| FILE NAME = | USER NAME = | DESIGNED - | REVISED - |
|---|-------------|------------|-----------|
| N:\0-land\115\080156\Struct\080156-52.PLN | MAGOLDEN | WJS | |
| PLOT SCALE = 1' | DRAWN - | PDR | REVISED - |
| PLOT DATE = 10/28/2008 | CHECKED - | MM | REVISED - |
| | DATE - | | REVISED - |



METAL SHELL PILE TABLE

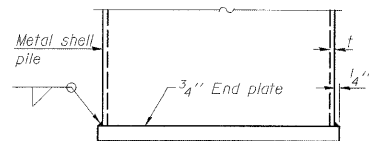
| Designation and outside diameter | Wall thickness t | Weight per foot (Lbs./ft.) | Inside volume (yd. ³ /ft.) |
|----------------------------------|------------------|----------------------------|---------------------------------------|
| PP12 | 0.179" | 22.60 | 0.0274 |
| PP12 | 0.250" | 31.37 | 0.0267 |
| PP14 | 0.250" | 36.71 | 0.0368 |
| PP14 | 0.312" | 45.61 | 0.0361 |



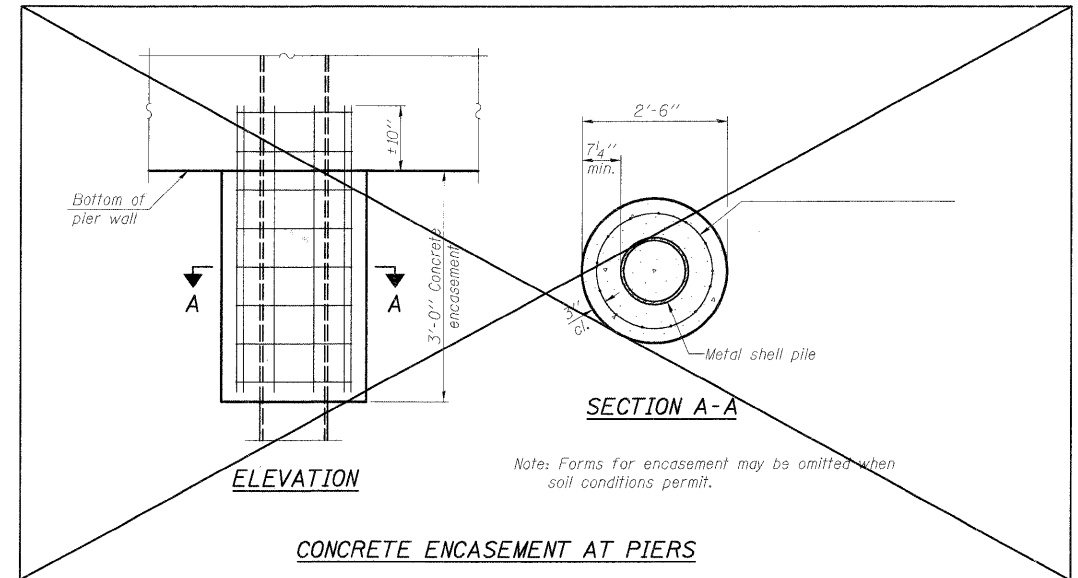
DETAIL A

Notes:
 The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
 Pile segments shall be driven to solid contact with splicer before welding.

WELDED COMMERCIAL SPLICE

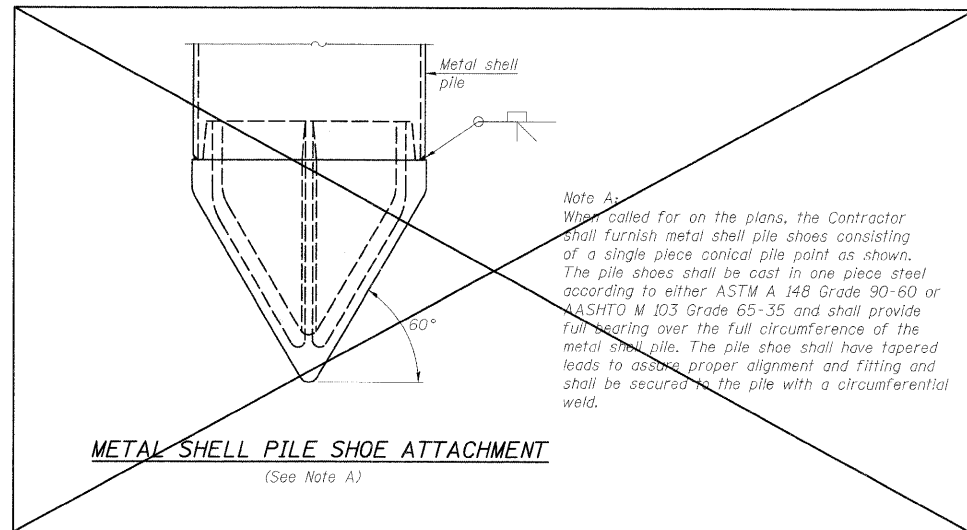


END PLATE ATTACHMENT



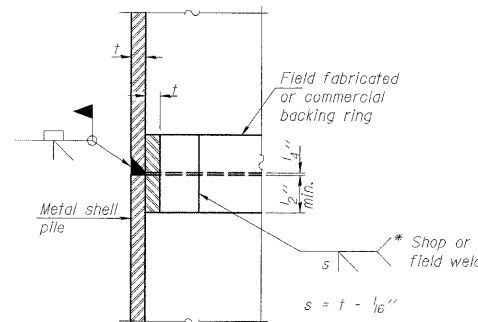
Note: Forms for encasement may be omitted when soil conditions permit.

CONCRETE ENCASEMENT AT PIERS



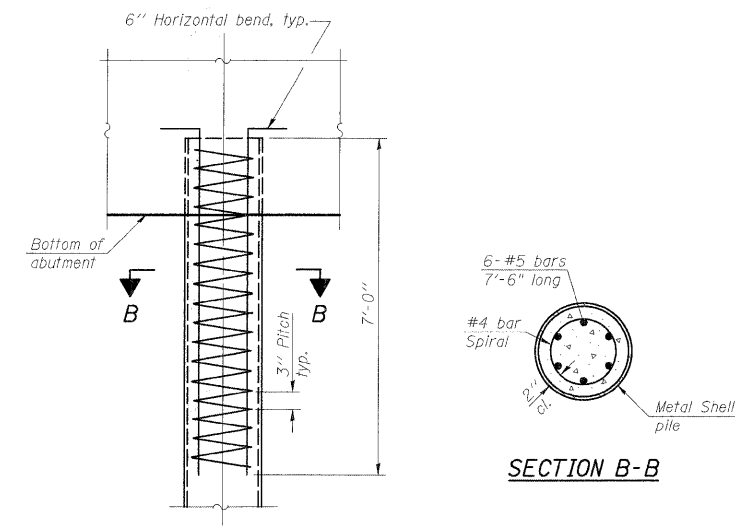
METAL SHELL PILE SHOE ATTACHMENT

(See Note A)



COMPLETE PENETRATION WELD SPLICE

* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

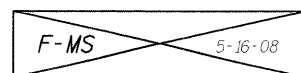


ELEVATION

METAL SHELL REINFORCEMENT AT ABUTMENTS

**METAL SHELL PILE DETAILS
 STRUCTURE NO. N/A**

Note: The metal shell piles shall be according to ASTM A 252 Grade 3.



CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500



| | | | |
|---|----------------------|----------------|-----------|
| FILE NAME = | USER NAME = MAGOLDEN | DESIGNED - WJS | REVISED - |
| N:\D:\landhill\11\280156\Struct\080156-55.PLN | | DRAWN - PDR | REVISED - |
| | | CHECKED - MM | REVISED - |
| | | DATE - | REVISED - |

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

METAL SHELL PILE DETAILS

SHEET NO. 5-4 OF 5-6

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A.S. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| N/A | 06-00021-00-BT | COOK | 60 | 24 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-8003(043) | | | | |

LAKE LORIN BIKE TRAIL
 OVER TINLEY CREEK
 SECTION 06-00021-01-BT
 COOK COUNTY, ILLINOIS
 STA. 142+72.63
 STRUCTURE NO. N/A



Date: July 18th, 2008

| Client: CBBEL | | Project: Lake Lorin Pedestrian Bridge, Orland Hills, IL | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------|---|-------|---|------|------|--|--|--|--|--|--|--|---|---|----|----|----|----|----|------|-------|
| FILE NO. | 1706-4 | Depth | Chart | Soil Type | | | | | | | | | | S | N | Qu | Op | Wc | Yd | MS | %R | %O |
| LOG OF TEST BORING | | | | Ground Surface Elevation | | | | | | | | | | | | | | | | | | |
| B-1 | 1 | | | 4" topsoil | | | | | | | | | | | | | | | | | | |
| | 2 | 1 | 7 | 2.20 | 2.00 | 32.2 | | | | | | | | | | | | AS | 58 | | 2.0' | |
| | 3 | | | gray silty clay, trace sand, trace gravel, very tough CLAY (OL) | | | | | | | | | | | | | | | | | | |
| | 4 | 2 | | | | | | | | | | | | | | | | SS | 75 | | 3.0' | |
| | 5 | | | gray silty clay, trace sand, trace gravel, very soft CLAY (CL) | | | | | | | | | | | | | | | | | | |
| | 6 | 4 | 1.20 | 1.30 | 40.2 | | | | | | | | | | | | | | SS | 75 | | 5.0' |
| | 7 | | | gray silty clay, trace sand, trace gravel, very soft CLAY (CL) | | | | | | | | | | | | | | | | | | |
| | 8 | 3 | 0.20 | 0.30 | 24.5 | | | | | | | | | | | | | | SS | 75 | | 7.0' |
| | 9 | | | gray silty clay, trace sand, trace gravel, very soft CLAY (CL) | | | | | | | | | | | | | | | | | | |
| | 10 | 4 | 0.20 | 0.30 | 21.8 | | | | | | | | | | | | | | SS | 50 | | 10.0' |
| | 11 | | | gray silty clay, trace sand, trace gravel, tough CLAY (CL) | | | | | | | | | | | | | | | | | | |
| | 12 | 5 | | | | | | | | | | | | | | | | | SS | 54 | | 13.5' |
| | 13 | | | gray silty clay, trace sand, trace gravel, tough CLAY (CL) | | | | | | | | | | | | | | | | | | |
| | 14 | 6 | 1.80 | | | | | | | | | | | | | | | | SS | 54 | | 15.0' |
| | 15 | | | gray silty clay, trace sand, trace gravel, tough CLAY (CL) | | | | | | | | | | | | | | | | | | |
| | 16 | 6 | | | | | | | | | | | | | | | | | SS | 79 | | 18.5' |
| | 17 | | | gray silty clay, trace sand, trace gravel, very tough CLAY (CL) | | | | | | | | | | | | | | | | | | |
| | 18 | 8 | 2.20 | 2.30 | 20.1 | | | | | | | | | | | | | | SS | 79 | | 20.0' |
| | 19 | | | gray silty clay, trace sand, trace gravel, very tough CLAY (CL) | | | | | | | | | | | | | | | | | | |
| | 20 | 8 | 2.20 | 2.30 | 20.1 | | | | | | | | | | | | | | SS | 79 | | 20.0' |

Note: The stratification lines indicated are estimated - the transition between soil types may be more gradual.



Date: July 18th, 2008

| Client: CBBEL | | Project: Lake Lorin Pedestrian Bridge, Orland Hills, IL | | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------|---|--|--|------|--|--|--|--|--|--|--|--|---|---|----|----|----|----|----|----|-------|-------|
| FILE NO. | 1706-4 | Depth | Chart | Soil Type | | | | | | | | | | S | N | Qu | Op | Wc | Yd | MS | %R | %O | |
| LOG OF TEST BORING | | | | Ground Surface Elevation | | | | | | | | | | | | | | | | | | | |
| B-2 | 1 | | | 14" topsoil | | | | | | | | | | | | | | | | | | | |
| | 2 | 1 | | | | | | | | | | | | | | | | | AS | 63 | | 2.0' | |
| | 3 | | | brown/gray peat, very soft PEAT (PT) | | | | | | | | | | | | | | | | | | | |
| | 4 | 2 | | | | | | | | | | | | | | | | | SS | 38 | | 3.0' | |
| | 5 | | | brownish gray silty clay, trace sand, stiff CLAY (CL) | | | | | | | | | | | | | | | | | | | |
| | 6 | 2 | 0.60 | 0.50 | 38.2 | | | | | | | | | | | | | | | SS | 38 | | 5.0' |
| | 7 | | | brownish gray silty clay, trace sand, soft CLAY (CL) | | | | | | | | | | | | | | | | | | | |
| | 8 | 3 | | | | | | | | | | | | | | | | | | ST | 58 | | 7.0' |
| | 9 | | | gray silty clay, trace sand, trace gravel, stiff CLAY (CL) | | | | | | | | | | | | | | | | | | | |
| | 10 | 4 | 0.80 | 0.80 | 22.3 | | | | | | | | | | | | | | | SS | 75 | | 9.5' |
| | 11 | | | gray silty clay, trace sand, trace gravel, stiff CLAY (CL) | | | | | | | | | | | | | | | | | | | |
| | 12 | | | layers of silt | | | | | | | | | | | | | | | | | | | |
| | 13 | | | layers of silt | | | | | | | | | | | | | | | | | | | |
| | 14 | | | layers of silt | | | | | | | | | | | | | | | | | | | |
| | 15 | 5 | | | | | | | | | | | | | | | | | SS | 71 | | 13.5' | |
| | 16 | | | gray silty clay, trace sand, trace gravel, tough CLAY (CL) | | | | | | | | | | | | | | | | | | | |
| | 17 | 6 | 1.20 | 1.50 | 23.5 | | | | | | | | | | | | | | | SS | 71 | | 15.0' |
| | 18 | | | gray silty clay, trace sand, trace gravel, tough CLAY (CL) | | | | | | | | | | | | | | | | | | | |
| | 19 | | | layers of silt | | | | | | | | | | | | | | | | | | | |
| | 20 | 6 | 1.60 | 2.00 | 16.4 | | | | | | | | | | | | | | | SS | 58 | | 18.5' |
| | | | gray silty clay, trace sand, trace gravel, tough CLAY/SILT (CL-ML) | | | | | | | | | | | | | | | | | | | | |
| | 9 | 1.60 | 2.00 | 16.4 | | | | | | | | | | | | | | | SS | 58 | | 20.0' | |

Note: The stratification lines indicated are estimated - the transition between soil types may be more gradual.



Date: July 18th, 2008

| Client: CBBEL | | Project: Lake Lorin Pedestrian Bridge, Orland Hills, IL | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------|---|----------|---|------|------|--|--|--|--|--|--|--|---|---|----|----|----|----|----|----|-------|
| FILE NO. | 1706-4 | Depth | Chart | Soil Type | | | | | | | | | | S | N | Qu | Op | Wc | Yd | MS | %R | %O |
| LOG OF TEST BORING | | | | Ground Surface Elevation | | | | | | | | | | | | | | | | | | |
| B-1 | 21 | | | | | | | | | | | | | | | | | | | | | |
| | 22 | | | | | | | | | | | | | | | | | | | | | |
| | 23 | | | | | | | | | | | | | | | | | | | | | |
| | 24 | | | | | | | | | | | | | | | | | | | | | |
| | 25 | 7 | 14 | 2.80 | 3.30 | 20.3 | | | | | | | | | | | | | | SS | | 25.0' |
| | 26 | | | gray silty clay, trace sand, trace gravel, very tough CLAY (CL) | | | | | | | | | | | | | | | | | | |
| | 27 | | | | | | | | | | | | | | | | | | | | | |
| | 28 | | | | | | | | | | | | | | | | | | | | | |
| | 29 | | | gray silty clay, trace sand, trace gravel, medium dense SAND (SC) | | | | | | | | | | | | | | | | | | |
| | 30 | 8 | 13 | | | | | | | | | | | | | | | | | SS | | 30.0' |
| | | | DRY HOLE | | | | | | | | | | | | | | | | | | | |

Note: The stratification lines indicated are estimated - the transition between soil types may be more gradual.



Date: July 18th, 2008

| Client: CBBEL | | Project: Lake Lorin Pedestrian Bridge, Orland Hills, IL | | | | | | | | | | | | | | | | | | | | |
|--------------------|--------|---|-------|--|------|------|--|--|--|--|--|--|--|---|---|----|----|----|----|----|----|-------|
| FILE NO. | 1706-4 | Depth | Chart | Soil Type | | | | | | | | | | S | N | Qu | Op | Wc | Yd | MS | %R | %O |
| LOG OF TEST BORING | | | | Ground Surface Elevation | | | | | | | | | | | | | | | | | | |
| B-2 | 21 | | | | | | | | | | | | | | | | | | | | | |
| | 22 | | | | | | | | | | | | | | | | | | | | | |
| | 23 | | | | | | | | | | | | | | | | | | | | | |
| | 24 | | | | | | | | | | | | | | | | | | | | | |
| | 25 | 7 | 6 | 1.20 | 1.80 | 22.8 | | | | | | | | | | | | | | SS | 71 | 25.0' |
| | 26 | | | gray silty clay, trace sand, trace gravel, tough CLAY (CL) | | | | | | | | | | | | | | | | | | |
| | 27 | | | | | | | | | | | | | | | | | | | | | |
| | 28 | | | | | | | | | | | | | | | | | | | | | |
| | 29 | | | | | | | | | | | | | | | | | | | | | |
| | 30 | 8 | 27 | | | | | | | | | | | | | | | | | SS | 21 | 30.0' |

Note: The stratification lines indicated are estimated - the transition between soil types may be more gradual.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
 9575 W. Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

LAKE LORIN BIKE TRAIL
 OVER TINLEY CREEK
 SECTION 06-00021-01-BT
 COOK COUNTY, ILLINOIS
 STA. 142+72.63
 STRUCTURE NO. N/A

FILE NAME = N:\0-1andHills\080156\Struct\080156-53.SHP
 USER NAME = MAGOLDEN
 DESIGNED = WJS
 DRAWN = PDR
 CHECKED = MM
 DATE = 10/28/2008

REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

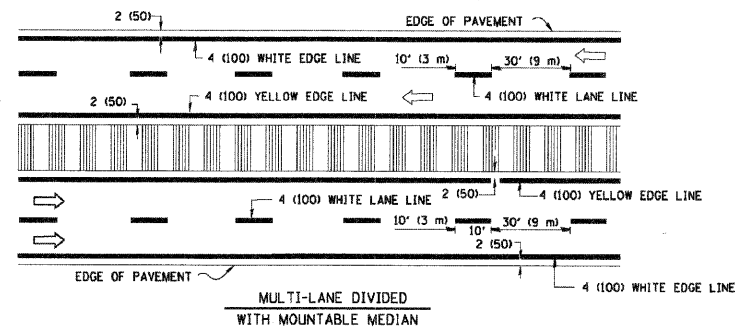
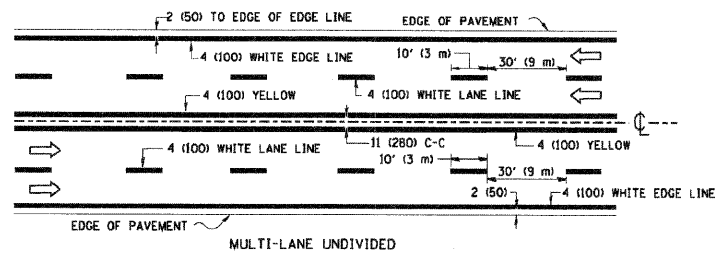
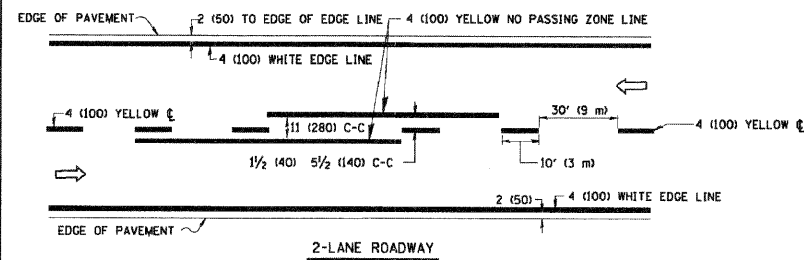
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS

SHEET NO. 5-5 OF 5-6

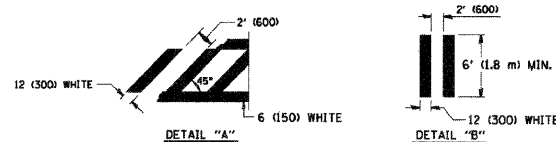
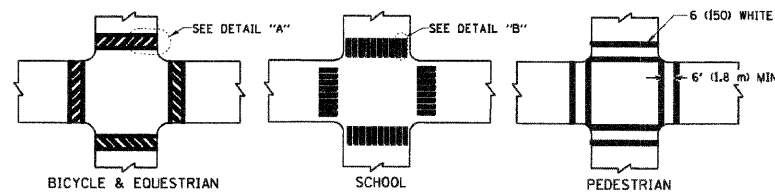
F.A.S. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 N/A 06-00021-00-BT COOK 60 25
 CONTRACT NO. 63084

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT BRM-80030431

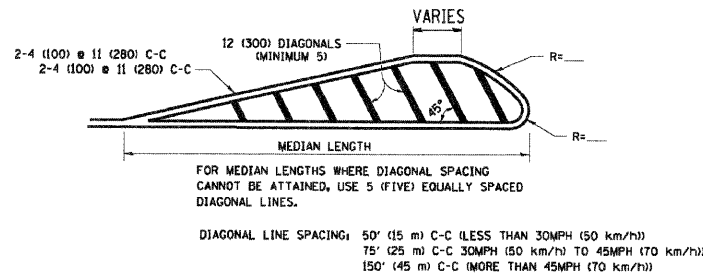
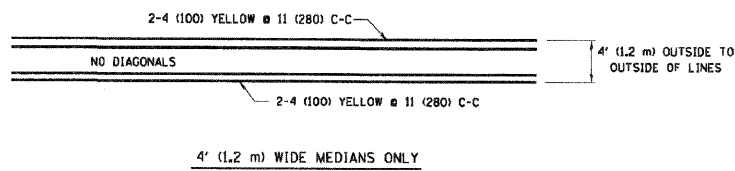


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

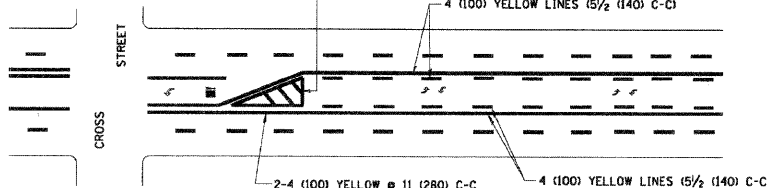
TYPICAL LANE AND EDGE LINE MARKING



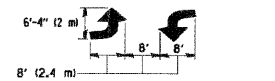
TYPICAL CROSSWALK MARKING



MEDIANS OVER 4' (1.2 m) WIDE

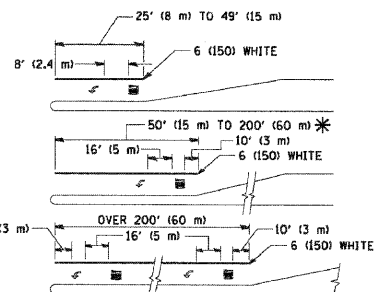


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

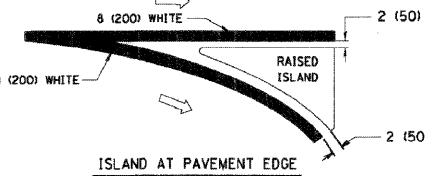
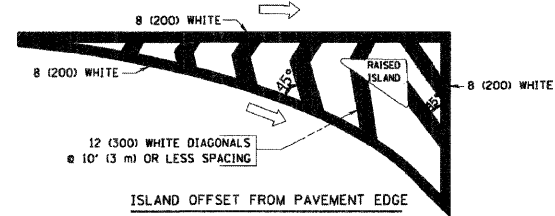


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
* AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

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

| REVISIONS | |
|--------------|----------|
| NAME | DATE |
| EVERS | 03-19-90 |
| T. RAMMACHER | 10-27-94 |
| ALEX HOUSEH | 10-09-98 |
| ALEX HOUSEH | 10-17-98 |
| T. RAMMACHER | 01-06-00 |
| | |
| | |
| | |
| | |

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE

TYPICAL PAVEMENT MARKINGS

SCALE: NONE

DRAWN BY CADD
CHECKED BY TC-13

FILE NAME = N:\D:\land\Hills\000156\VC\1\1\080156_std.plt
USER NAME = MAGOLDEN

DESIGNED - LMF
DRAWN - MG
CHECKED - LMF
DATE - 10/28/2008

REVISIONS
REVISED -
REVISED -
REVISED -
REVISED -

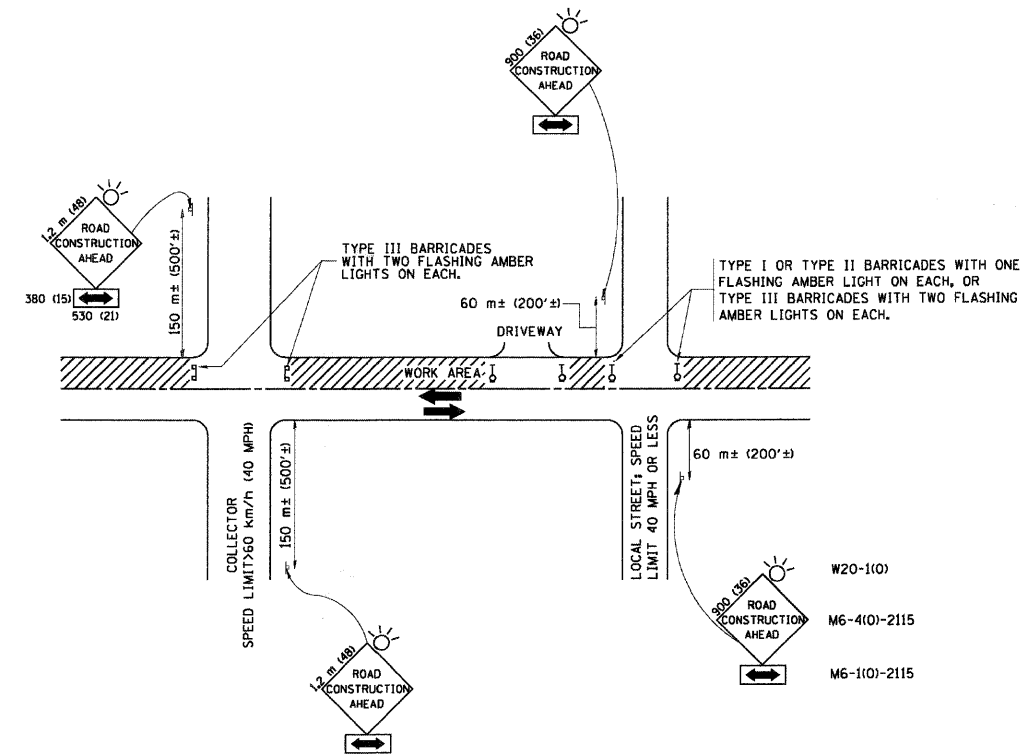
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

SCALE: 1' SHEET NO. OF SHEETS STA. TO STA.

F.A. SECTION COUNTY TOTAL SHEETS SHEET NO.
06-00021-00-BT COOK 60 27
CONTRACT NO. 63084

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.**
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.**

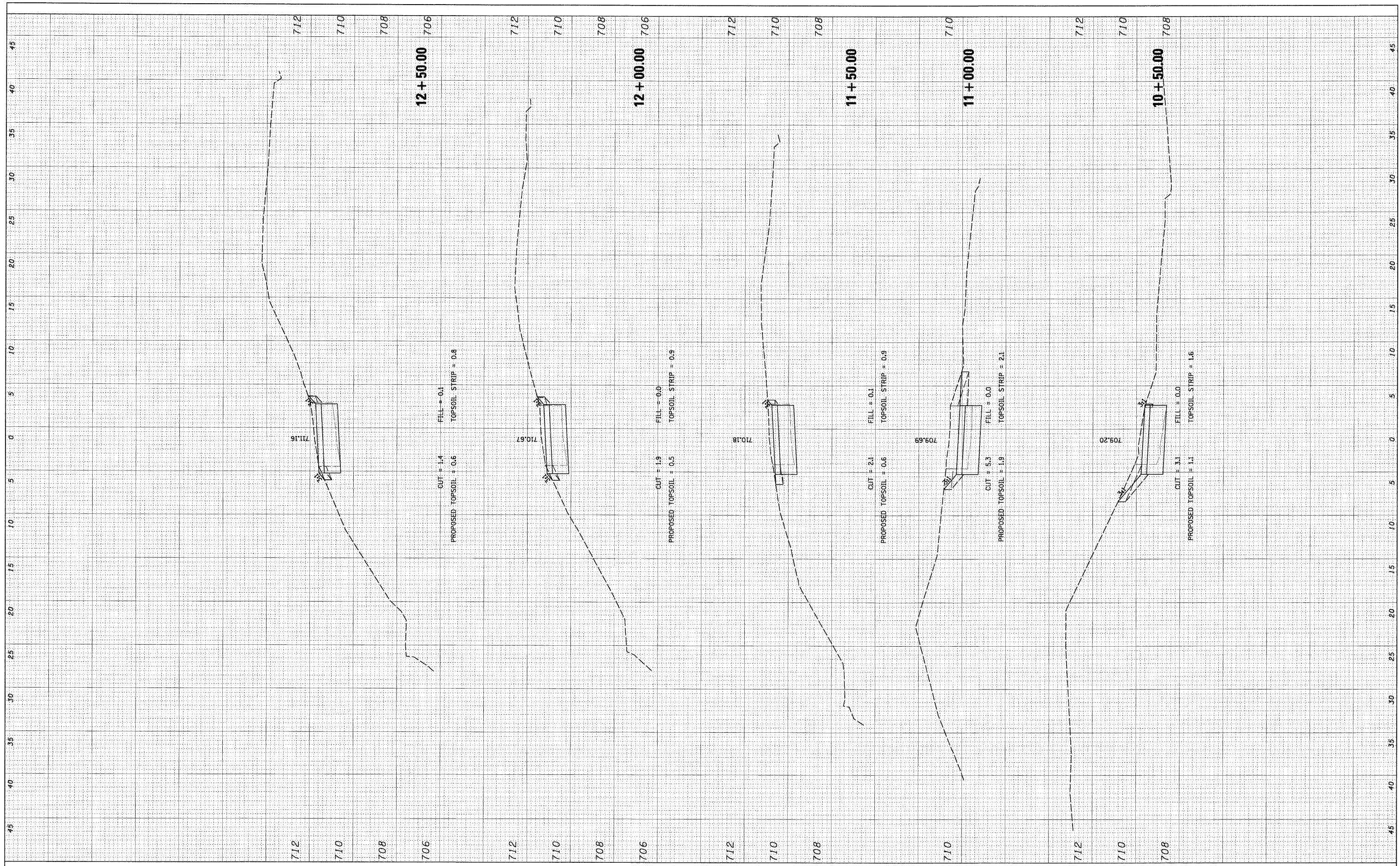
| REVISIONS | | ILLINOIS DEPARTMENT OF TRANSPORTATION | |
|--------------|----------|---|--|
| NAME | DATE | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS | |
| LHA | 6/89 | | |
| T. RAMMACHER | 09/08/94 | | |
| J. OBERLE | 10/18/95 | | |
| A. HOUSEH | 03/06/96 | | |
| A. HOUSEH | 10/15/96 | | |
| T. RAMMACHER | 01/06/00 | | |
| | | | |
| | | | |
| | | | |
| | | | |

SCALE: DATE: 2/15/2006
 DRAWN BY: TC-10
 CHECKED BY: REVISION DATE: 01/06/00

PLOT DATE = 2/15/2006
 FILE NAME = N:\06\0021\00-BT\06-0021-00-BT.dwg
 PLOT SCALE = 1:1
 USER NAME = mgolden

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\0-land\hills\080156\Civil\080156_ASHBOURNE.lay

USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

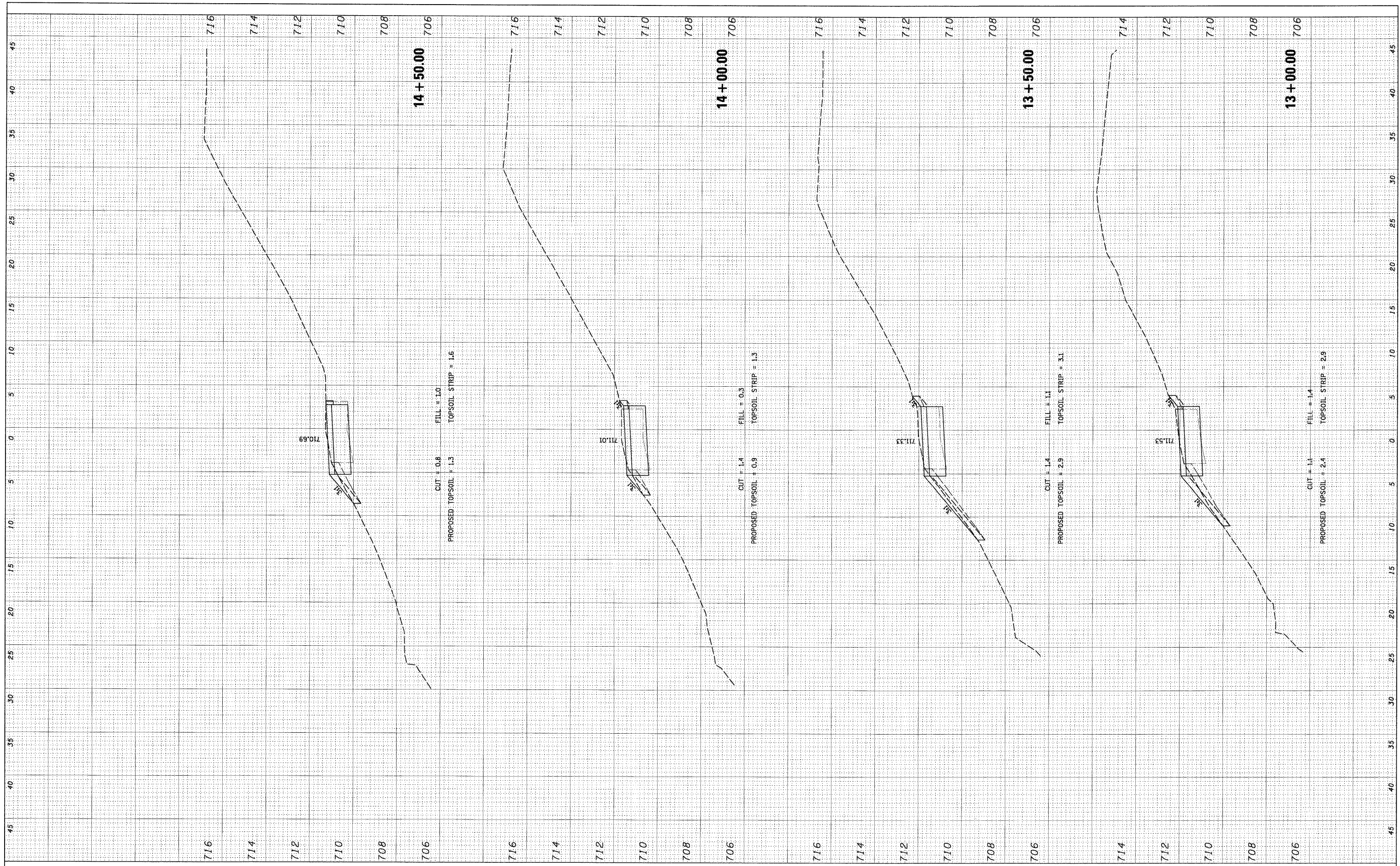
ASHBOURNE LAKE BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 10+00.00 TO STA. 12+50.00

| | | | | |
|---------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 29 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| CONTRACT NO. 63084 | | | | |

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\0\land\h\11a\080156\Civil\080156_ASHBOURNE.dwg
 USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

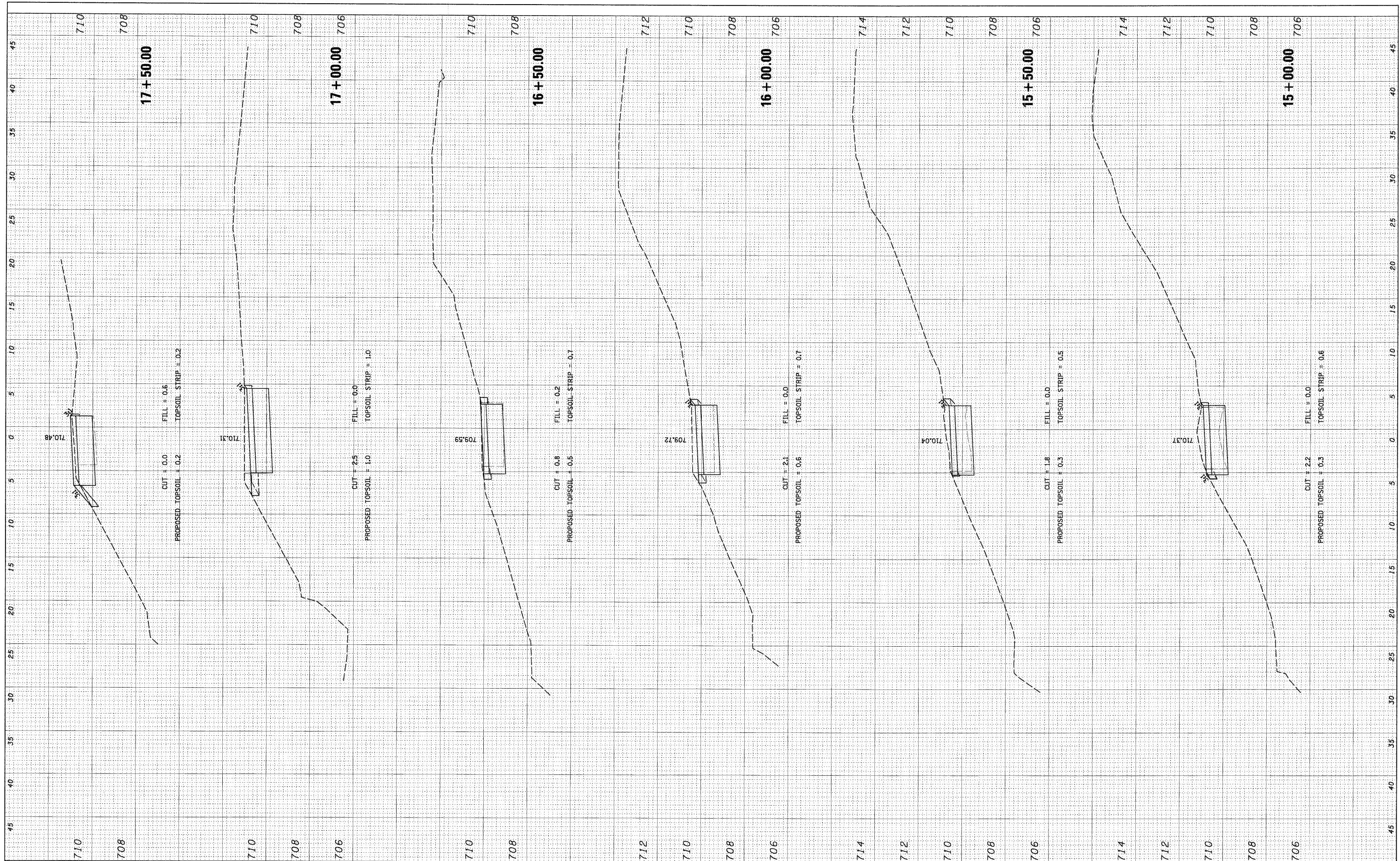
ASHBOURNE LAKE BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 13+00.00 TO STA. 14+50.00

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 30 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\0-land\Hills\000156\Cv1\000156_ASHBOURNE.lay

USER NAME = MAGOLDEN
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

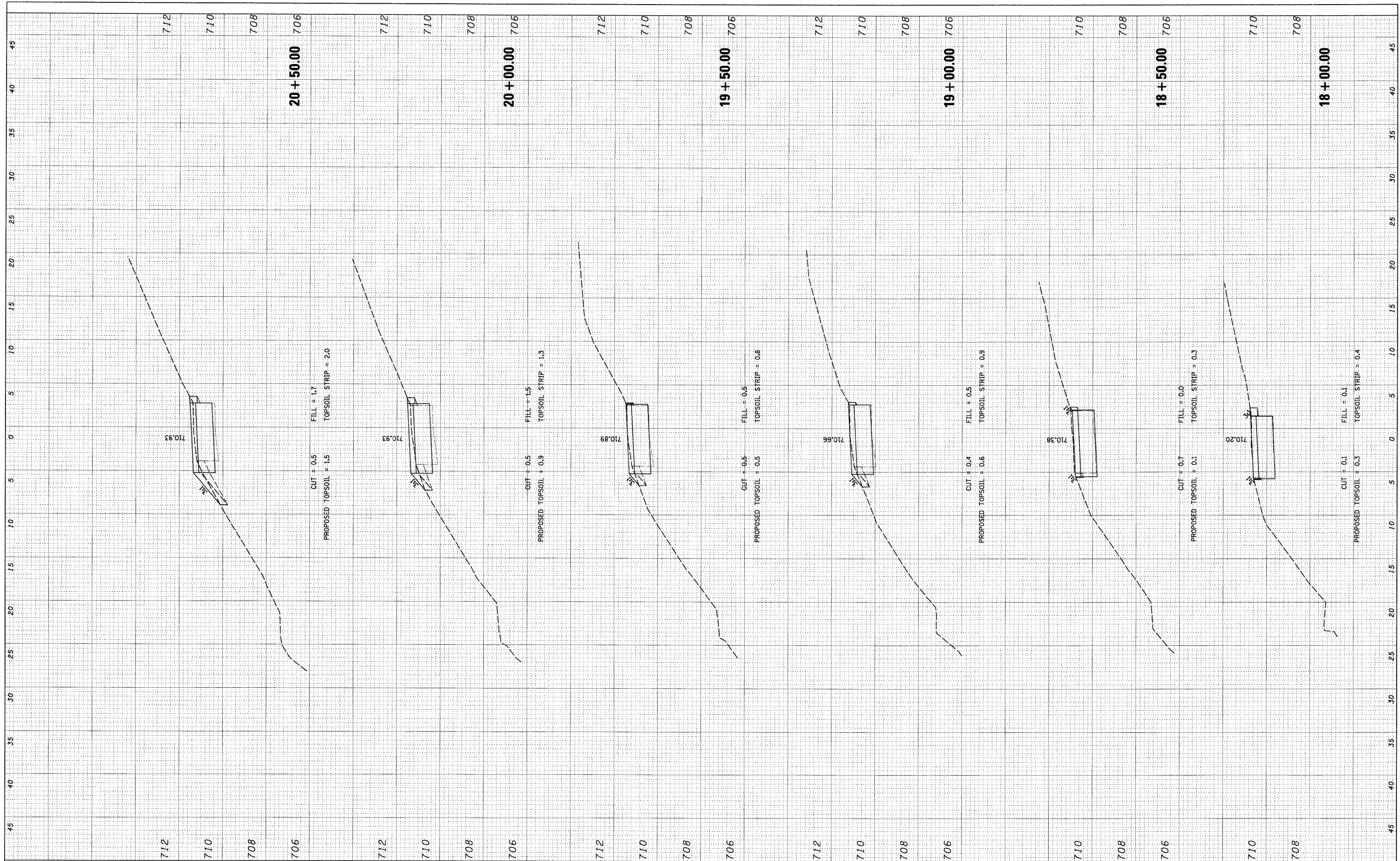
ASHBOURNE LAKE BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 15+00.00 TO STA. 17+50.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 31 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\OrlandHills\080156\Civil\080156_ASHBOURNE.dwg
 USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

| | |
|-------------------|-----------|
| DESIGNED - LMF | REVISED - |
| DRAWN - MG | REVISED - |
| CHECKED - LMF | REVISED - |
| DATE - 10/28/2008 | REVISED - |

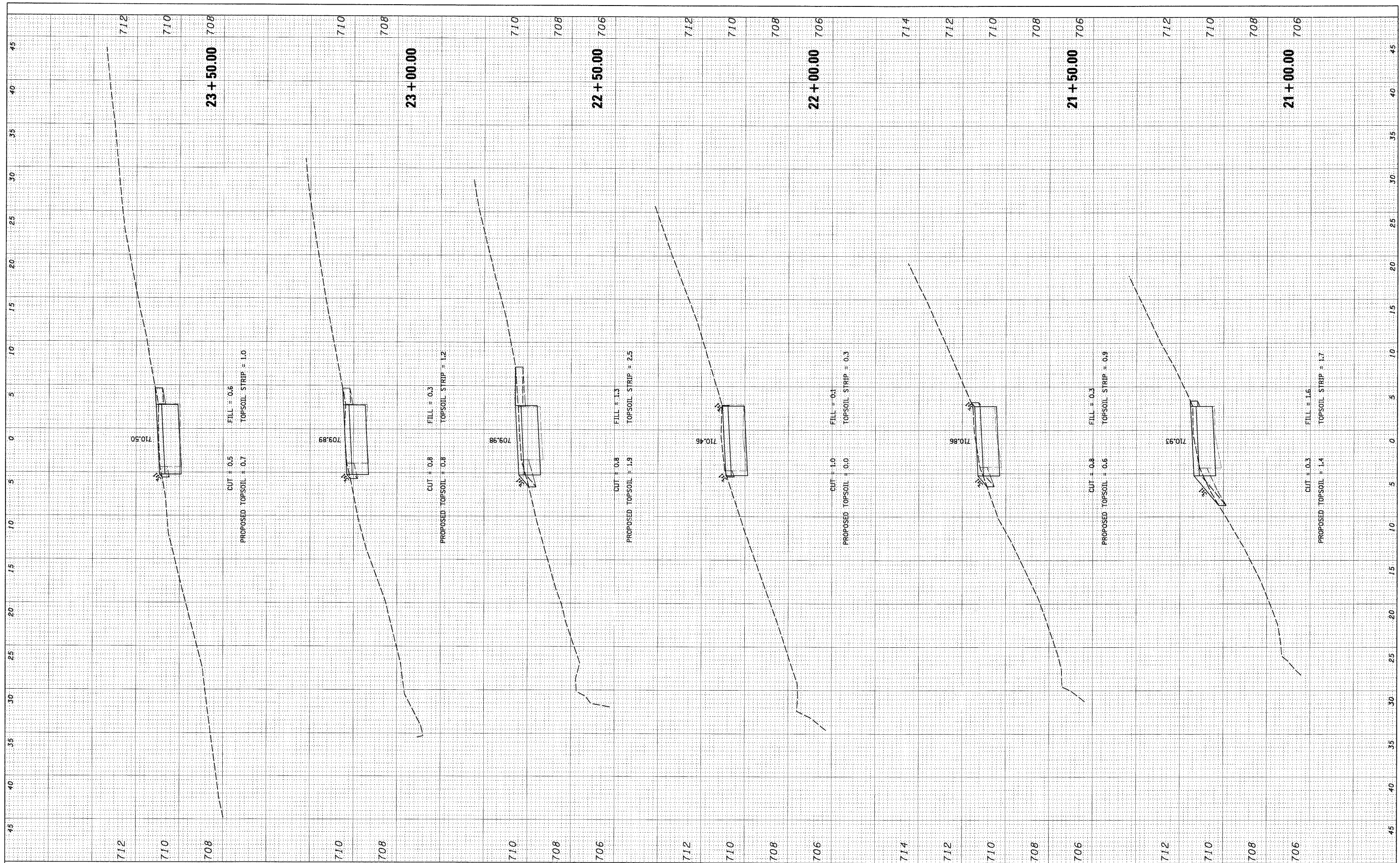
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ASHBOURNE LAKE BIKE PATH CROSS SECTIONS
 SCALE: 5' SHEET NO. OF SHEETS STA. 18+00.00 TO STA. 20+50.00

| | | | | |
|--------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 32 |
| CONTRACT NO. 63084 | | | ILLINOIS FED. AID PROJECT | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |

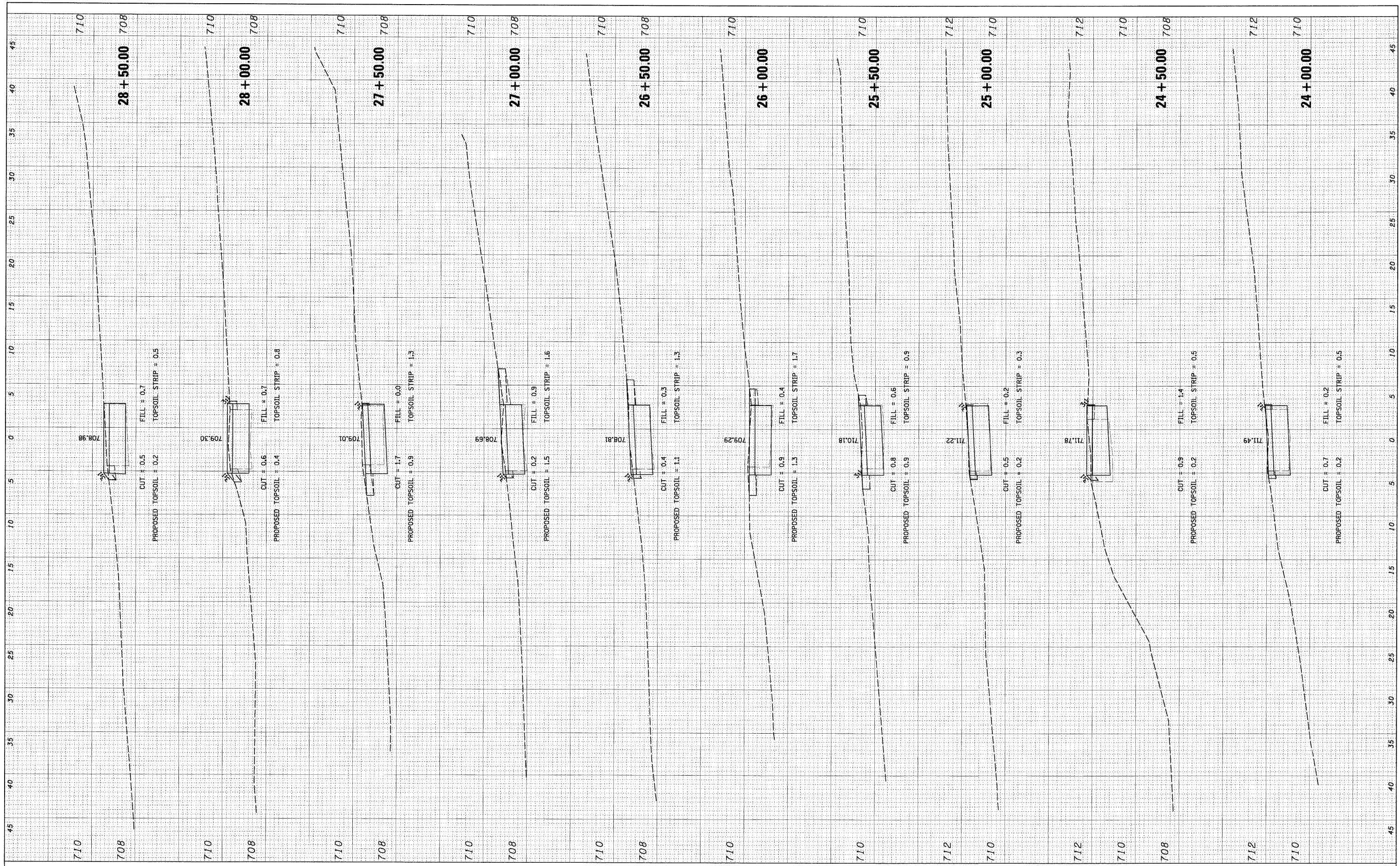
| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |



| | | | | | | | | | | | | | |
|---|----------------------|-------------------|-----------|---|--|-----------|----|--------|---------------|------------------|--------|--------------|-----------|
| FILE NAME = N:\0\landHills\080156\Civ1\080156_ASHBOURNE.lay | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - | STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | ASHBOURNE LAKE BIKE PATH CROSS SECTIONS | | | | F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| PLOT SCALE = 5' | DATE = 10/28/2008 | DRAWN - MG | REVISED - | | SCALE: 5' | SHEET NO. | OF | SHEETS | STA. 21+00.00 | TO STA. 23+50.00 | COOK | 60 | 33 |
| | | CHECKED - LMF | REVISED - | | CONTRACT NO. 63084 | | | | | | | | |
| | | DATE - 10/28/2008 | REVISED - | | ILLINOIS FED. AID PROJECT | | | | | | | | |

FINAL SURVEY SURVEYED _____ DATE _____
 FLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 NO. _____ AREAS CHECKED _____

ORIGINAL SURVEY SURVEYED _____ DATE _____
 FLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 NO. _____ AREAS CHECKED _____



FILE NAME = N:\Orland\h11a\000156\Civil\000156_ASHBOURNE.dwg
 USER NAME = MAGOLDEN
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

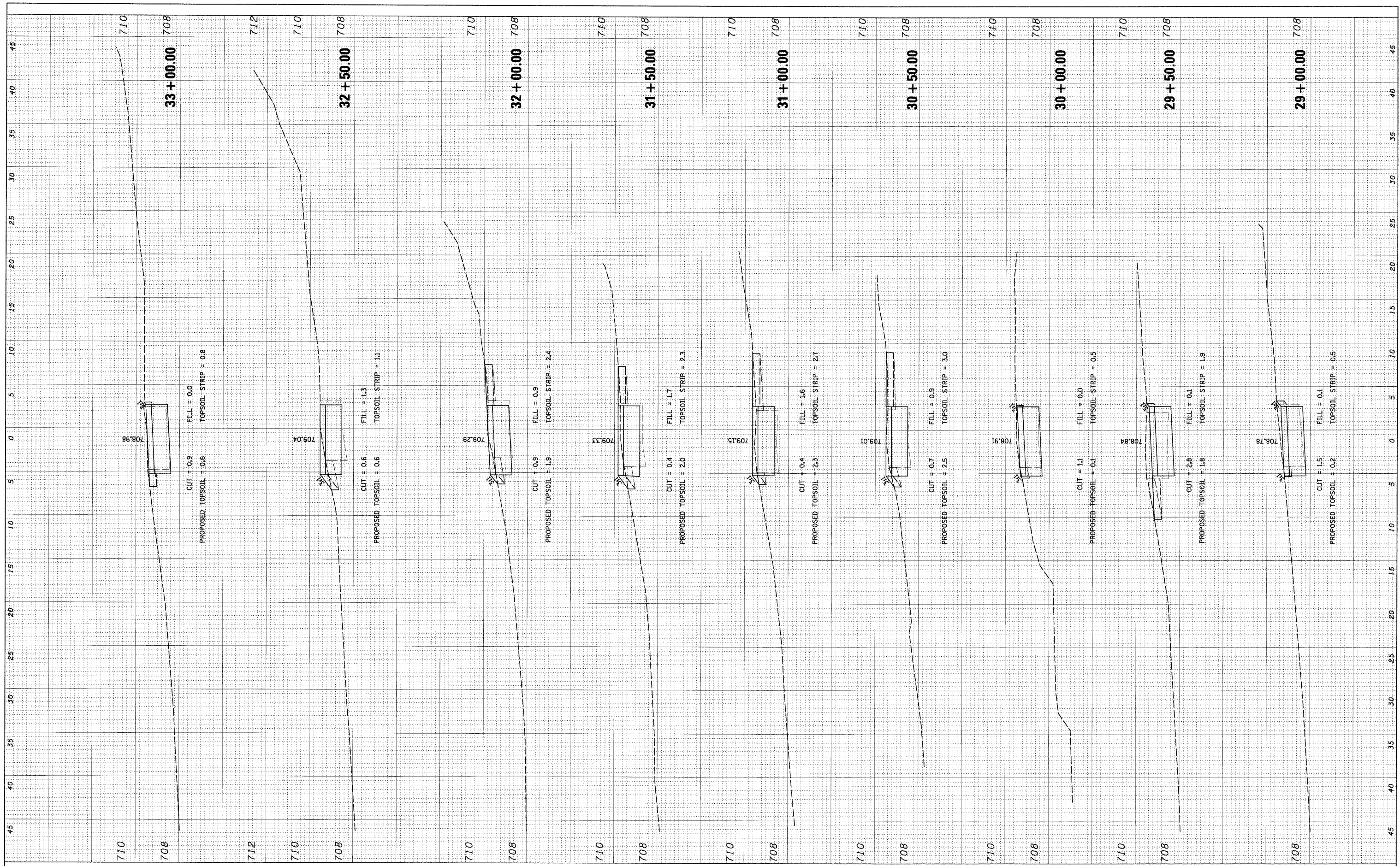
ASHBOURNE LAKE BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 24+00.00 TO STA. 28+50.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 34 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\0\landHills\000156\Civil\080156_ASHBOURNE.dwg
 USER NAME = MACOLDEN
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

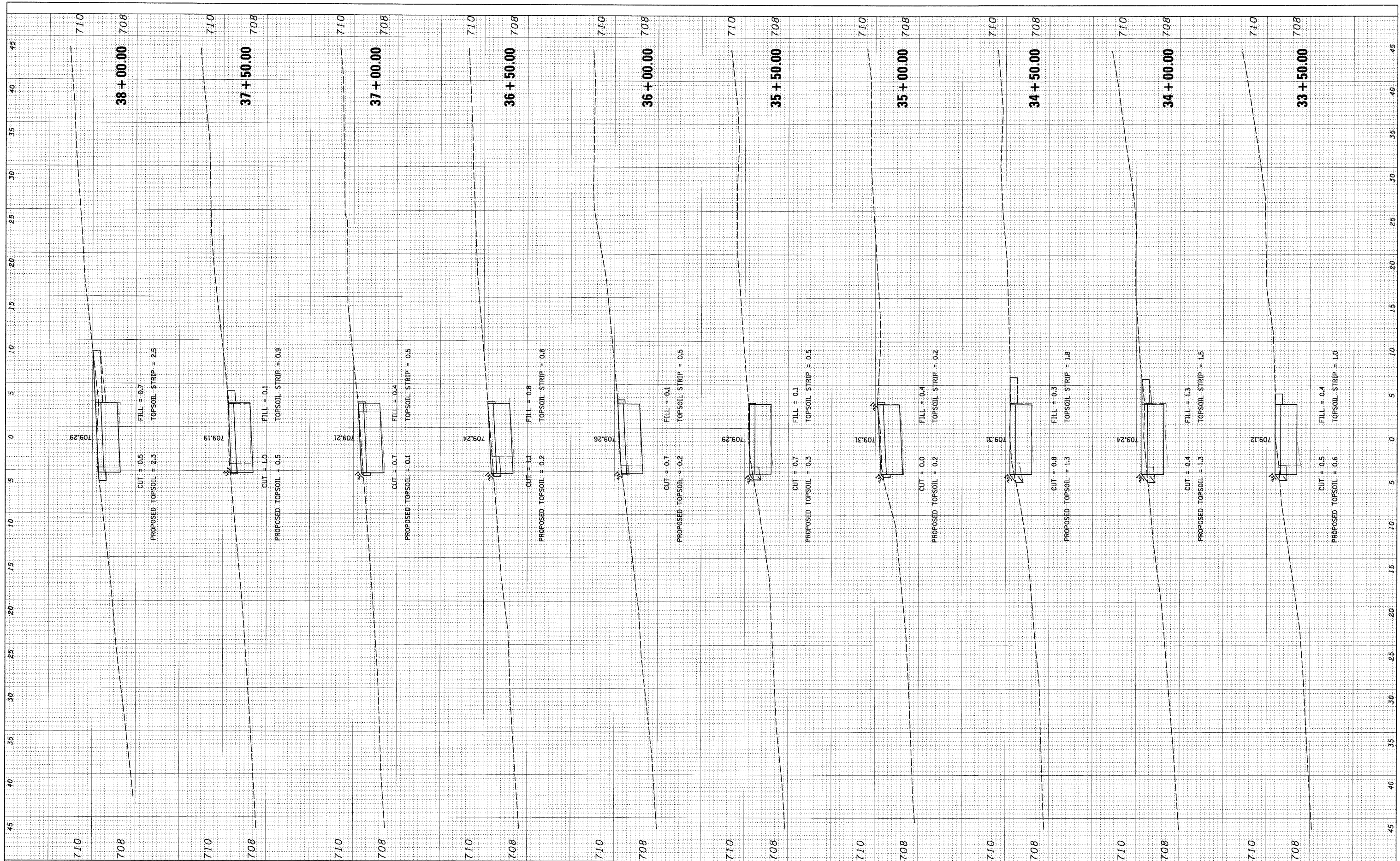
ASHBOURNE LAKE BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 29+00.00 TO STA. 33+00.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 35 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\Orland\Hills\080156\C\1\080156_ASHBOURNE.dwg
 USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISOR -
 REVISION -
 REVISION -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

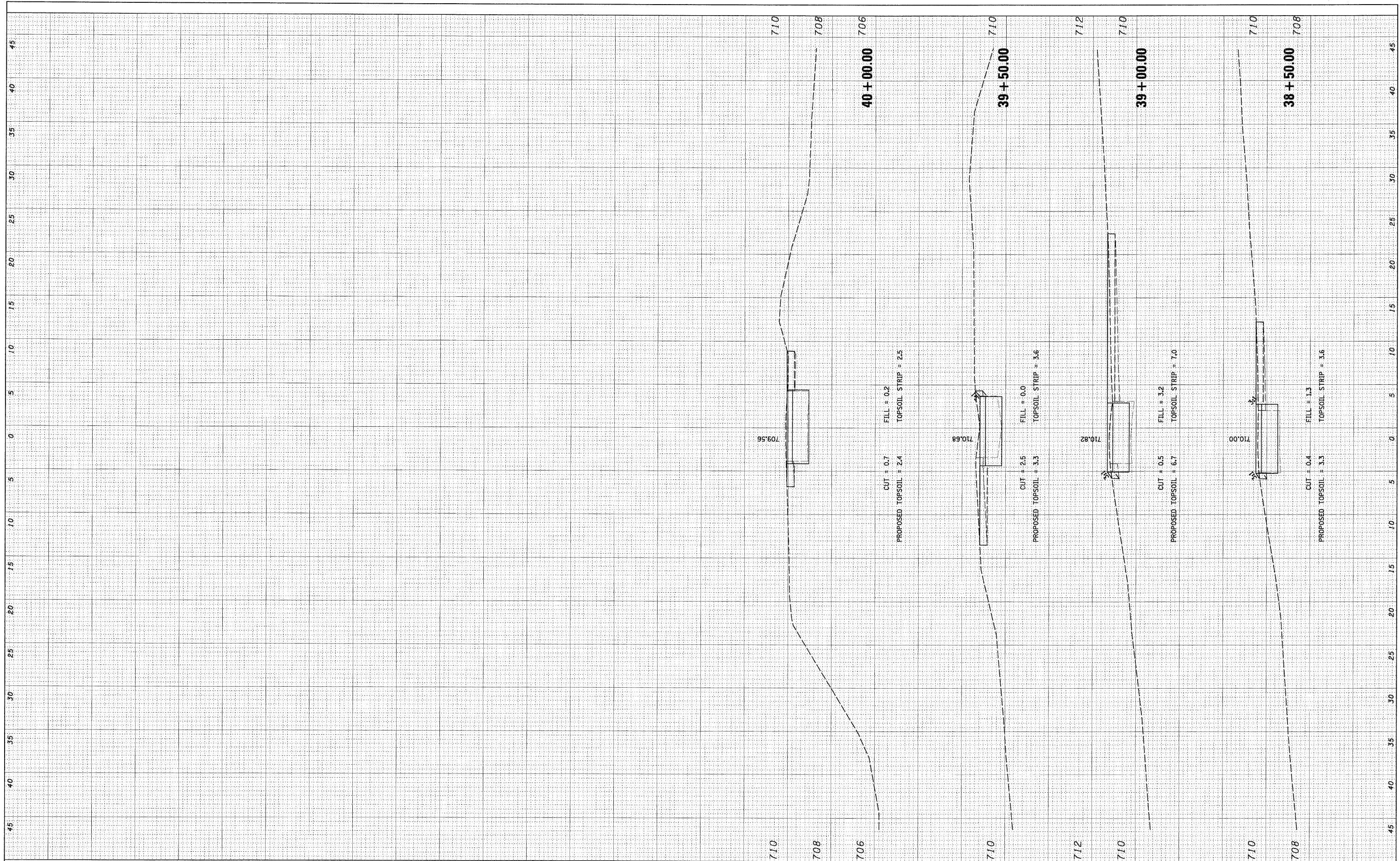
ASHBOURNE LAKE BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 33+50.00 TO STA. 38+00.00

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 36 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\OrlandHills\080156\Civil\080156_ASHBOURNE.lay
 USER NAME = MAULDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISIONS
 REVISION NO. DATE BY DESCRIPTION
 1 10/28/2008 LMF
 2 10/28/2008 LMF
 3 10/28/2008 LMF
 4 10/28/2008 LMF

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

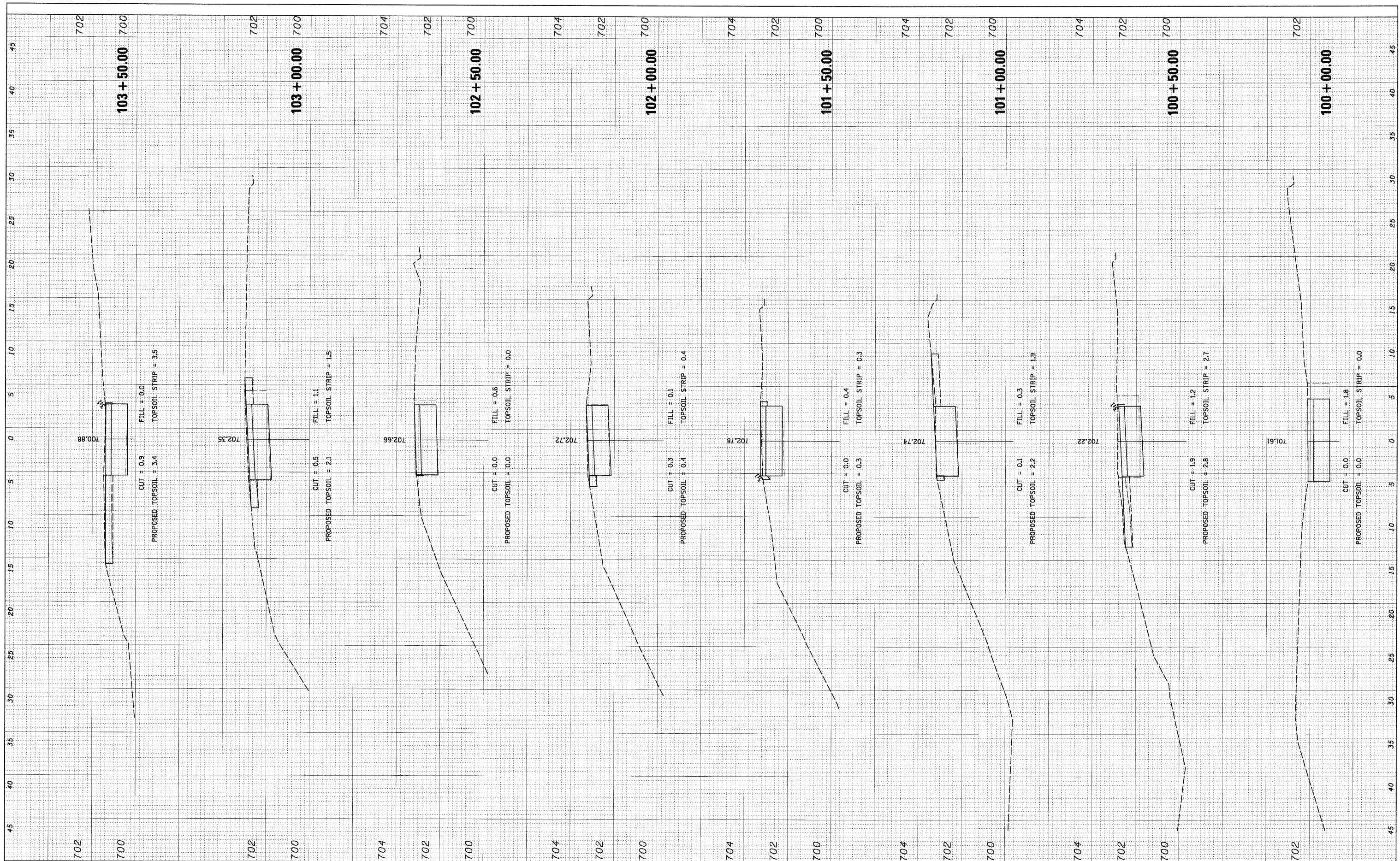
ASHBOURNE LAKE BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 38+50.00 TO STA. 40+00.00

| | | | | |
|---------------------|---------------------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 37 |
| FED. ROAD DIST. NO. | ILLINOIS FED. AID PROJECT | | | |
| | CONTRACT NO. 63084 | | | |

FINAL SURVEY SURVEYED PLOTTED NOTE BOOK NO. BY DATE SURVEYED PLOTTED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY SURVEYED PLOTTED NOTE BOOK NO. BY DATE SURVEYED PLOTTED TEMPLATE AREAS CHECKED



FILE NAME = N:\0-landHills\080156\Civil\080156_LORIN.dwg
 USER NAME = MAGOLDEN
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

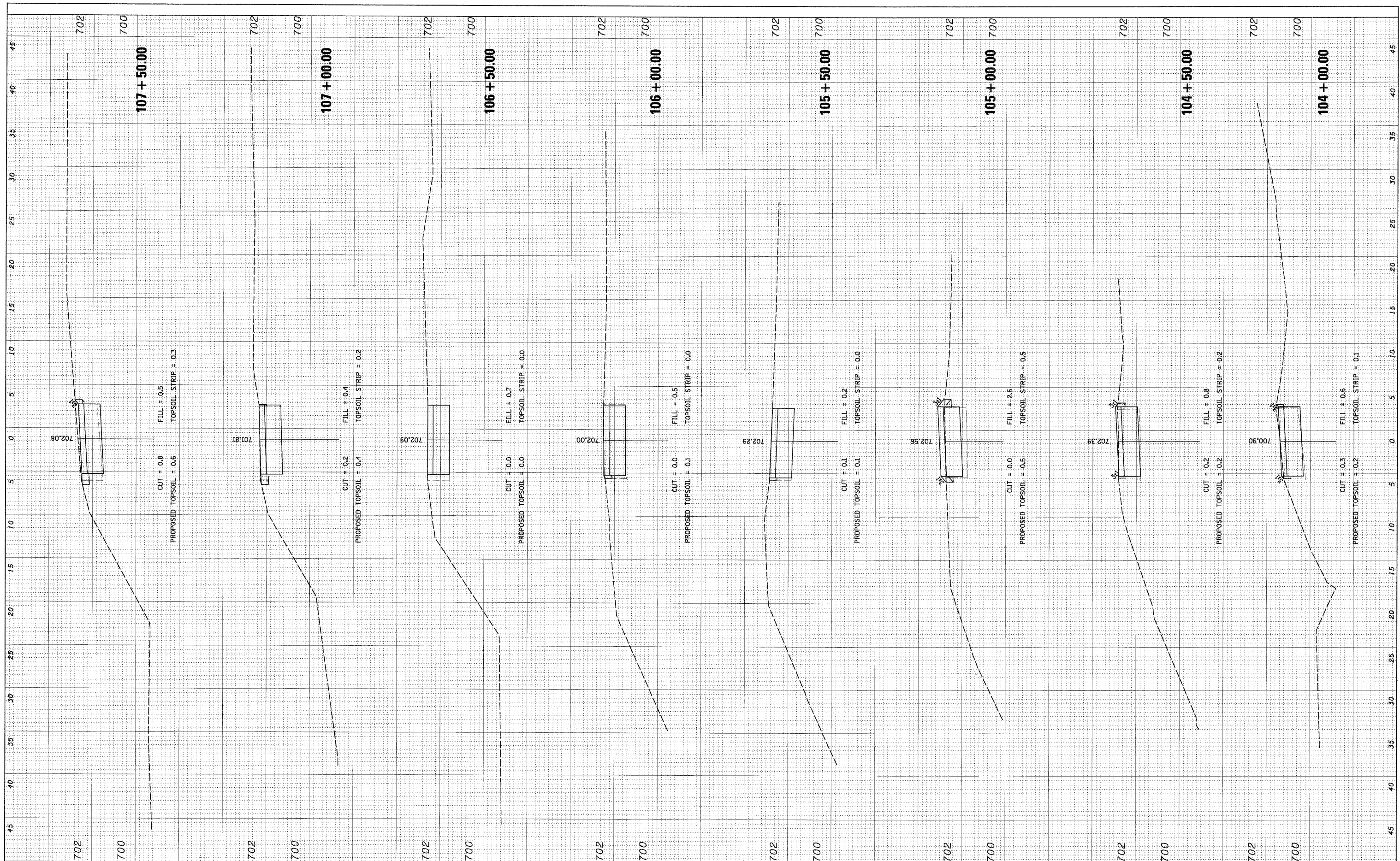
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 100+00.00 TO STA. 103+50.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 38 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

FINAL SURVEY PLOTTED TEMPLATE NO. _____ BY _____ DATE _____

ORIGINAL SURVEY PLOTTED TEMPLATE NO. _____ BY _____ DATE _____



FILE NAME = N:\0\landHill11a\080156\Civil\080156_LORIN.lay

USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

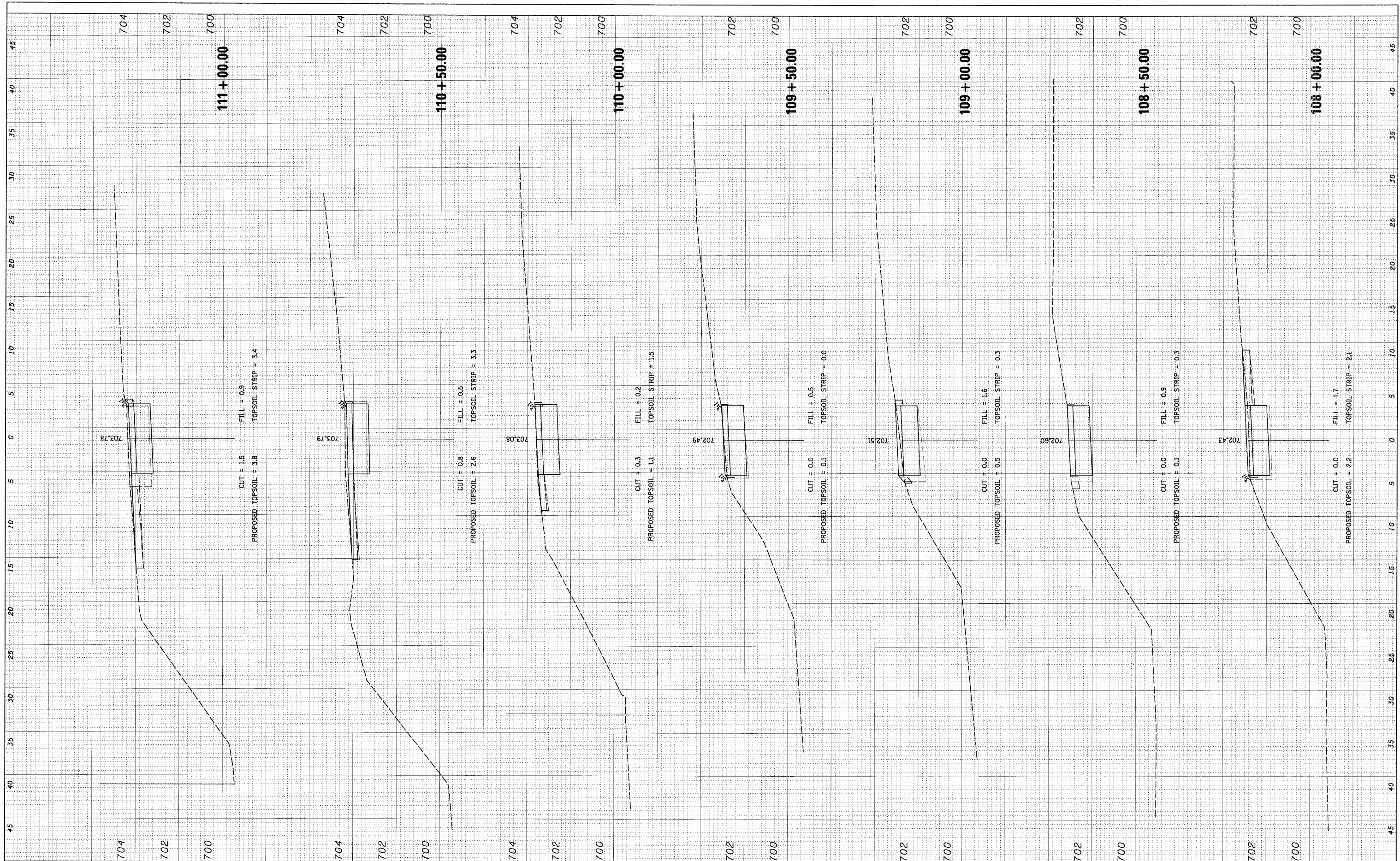
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 104+00.00 TO STA. 107+50.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 39 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

FINAL SURVEY SURVEYED PLOTTED SURVEYED PLOTTED
 NOTE BOOK TEMPLATE NOTE BOOK TEMPLATE
 NO. AREAS CHECKED NO. AREAS CHECKED

ORIGINAL SURVEY SURVEYED PLOTTED SURVEYED PLOTTED
 NOTE BOOK TEMPLATE NOTE BOOK TEMPLATE
 NO. AREAS CHECKED NO. AREAS CHECKED



FILE NAME = N:\0-land\H11s\000156\C1v1\000156_LORIN.lay

USER NAME = MAGOLDEN
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

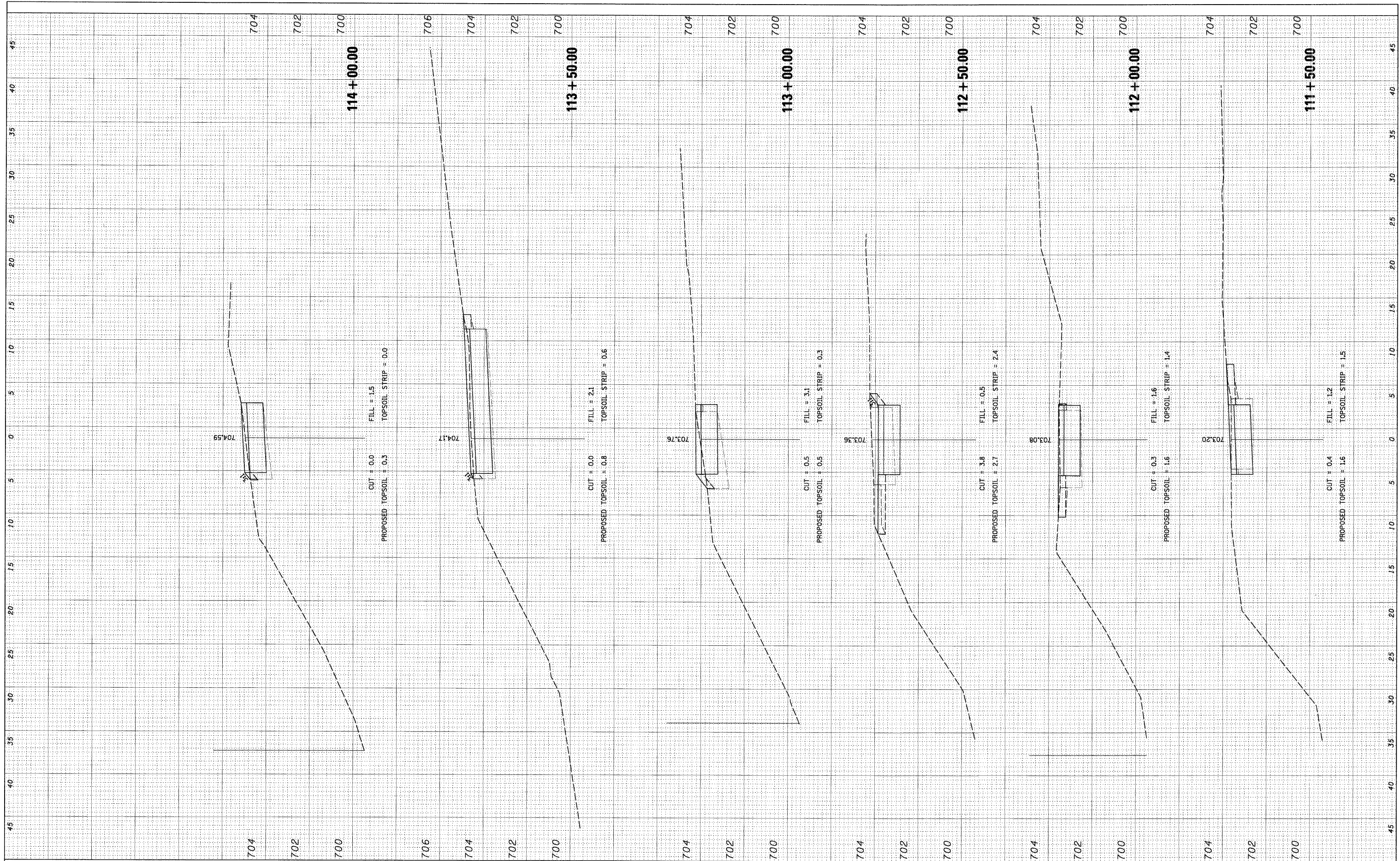
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 108+00.00 TO STA. 111+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| | 06-00021-00-BT | COOK | 60 | 40 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

FINAL SURVEYED SURVEY PLOTTED SURVEY PLOTTED SURVEY PLOTTED
 NO. _____ BY _____ DATE _____
 NOTE BOOK _____ TEMPLATE _____
 NO. _____ AREAS CHECKED _____

ORIGINAL SURVEYED SURVEY PLOTTED SURVEY PLOTTED SURVEY PLOTTED
 NO. _____ BY _____ DATE _____
 NOTE BOOK _____ TEMPLATE _____
 NO. _____ AREAS CHECKED _____



FILE NAME = N:\OrLand\11s\080156\Civil\080156_LORIN.lay
 PLOT SCALE = 5'

USER NAME = MAGOLDEN
 PLOT DATE = 10/28/2008

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

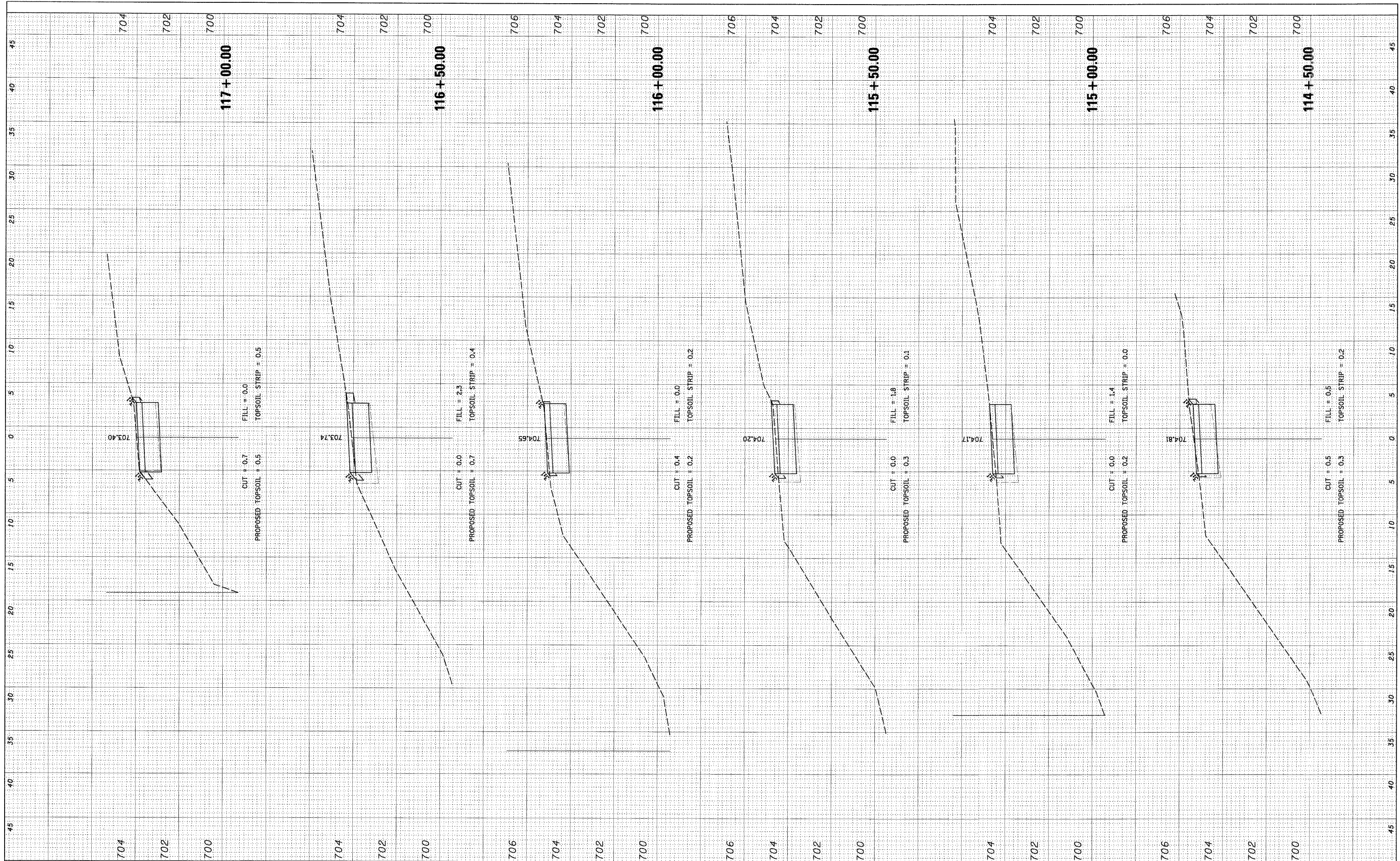
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 111+50.00 TO STA. 114+00.00

| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|--------|--------------|-----------|
| | 06-00021-00-BT | COOK | 60 | 41 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

FINAL SURVEY PLOTTED TEMPLATE NO. BY DATE

ORIGINAL SURVEY PLOTTED TEMPLATE NO. BY DATE



FILE NAME = N:\07-land\hills\000156\Civil\000156_LORIN.dwg
 USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISIONS
 REVISED -
 REVISED -
 REVISED -
 REVISED -

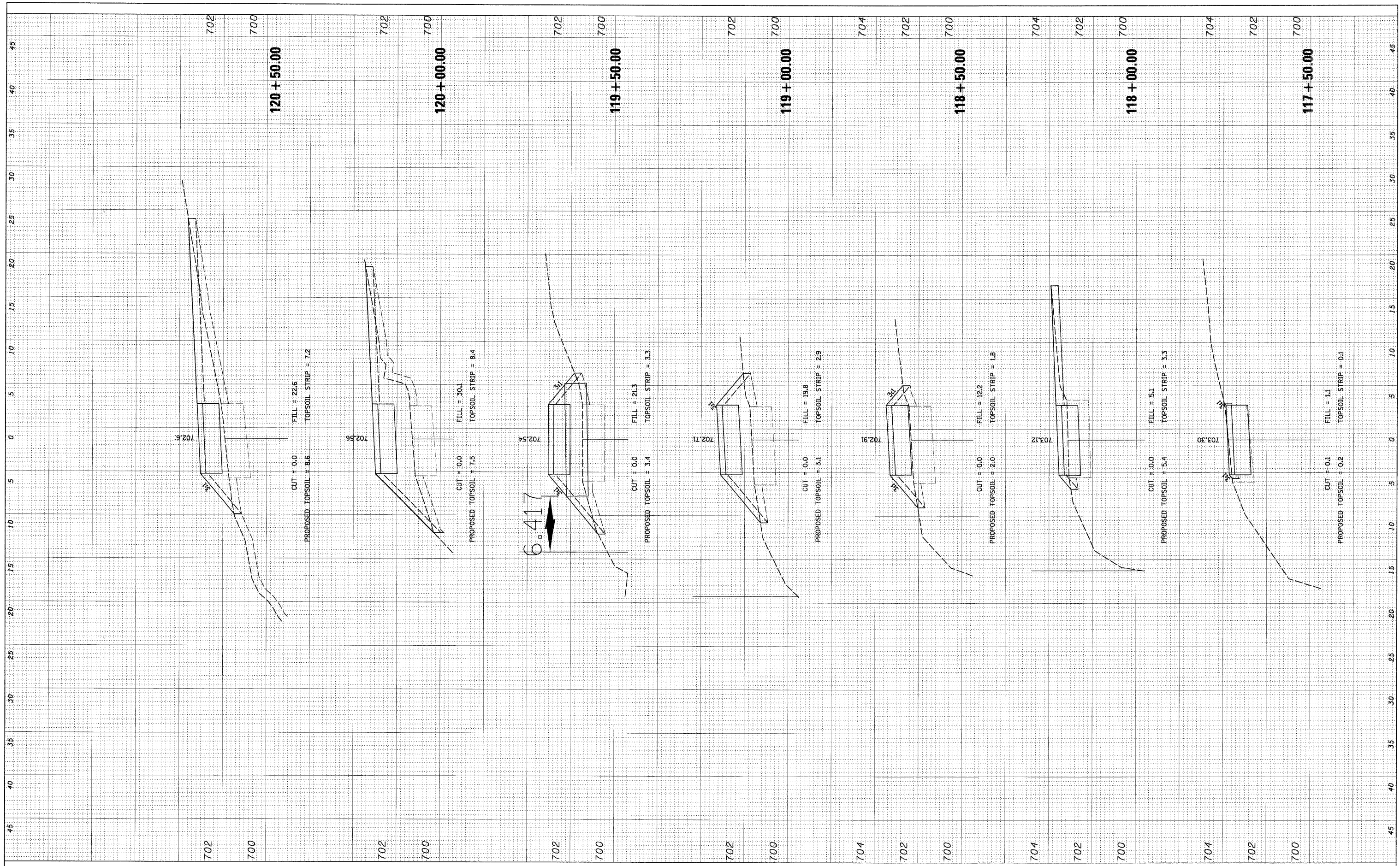
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LAKE LORIN BIKE PATH CROSS SECTIONS
 SCALE: 5' SHEET NO. OF SHEETS STA. 114+50.00 TO STA. 117+00.00

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 42 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\Orland\Hills\080156\Civil\080156_LORIN.lay

USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

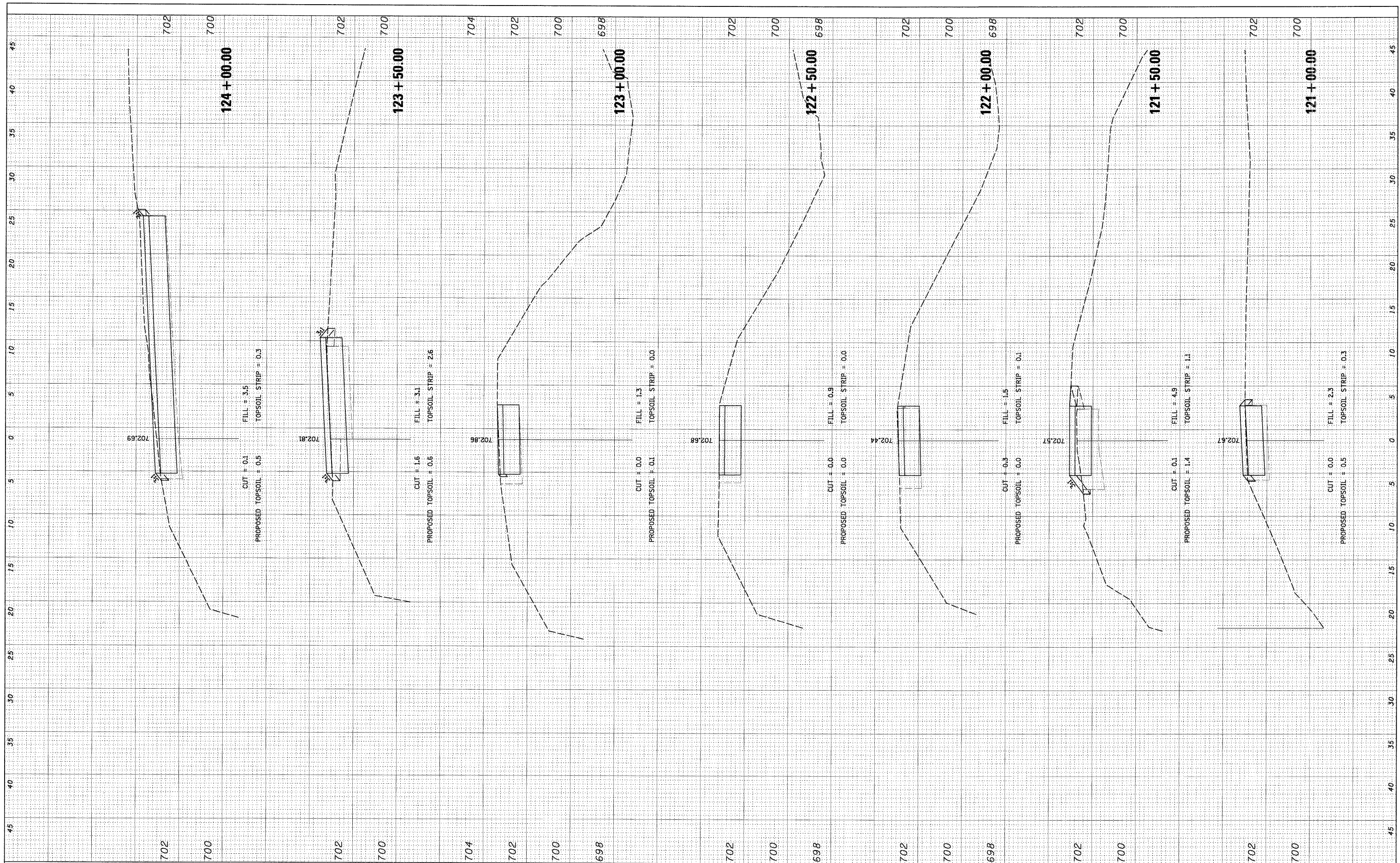
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 117+50.00 TO STA. 120+50.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 43 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVEILED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEILED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\Orlando\Hills\000156\Civil\000156_LORIN.dwg
 USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

| | |
|---------|----------|
| REVISOR | REVISION |
| | |
| | |
| | |
| | |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

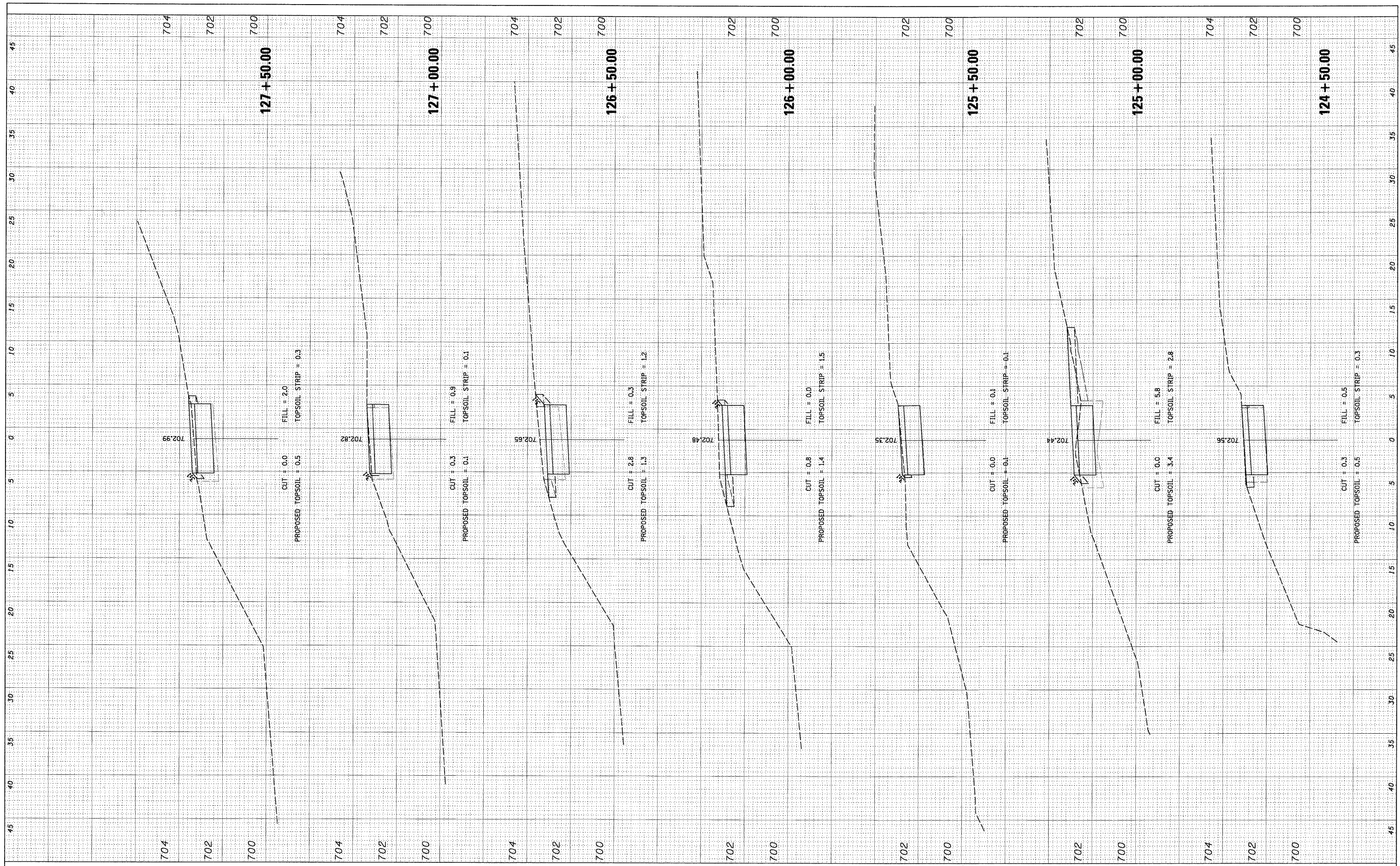
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 121+00.00 TO STA. 124+00.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 44 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| CONTRACT NO. 63084 | | | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\0\landHills\080156\Civil\080156.LORIN.Lay

USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

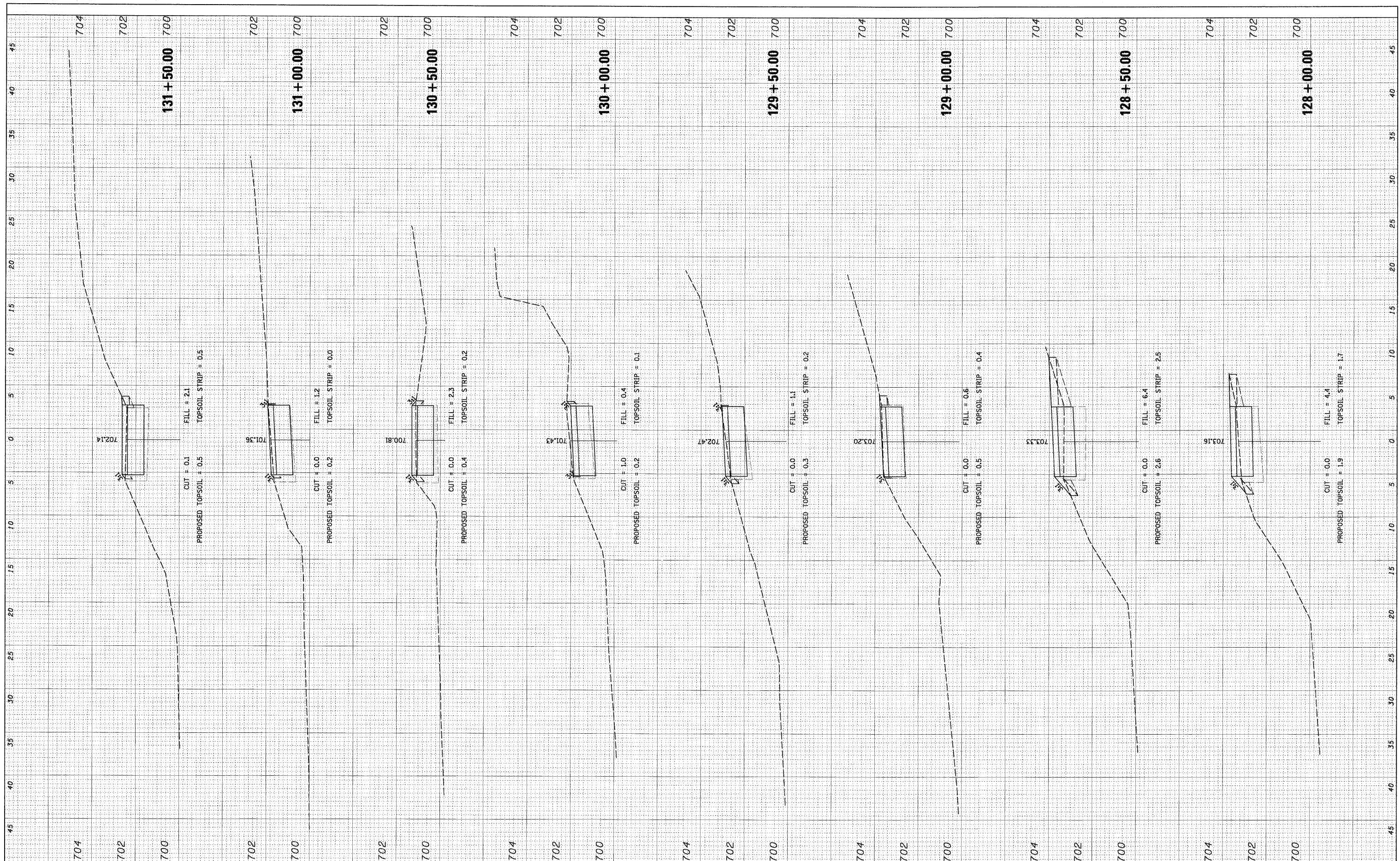
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LAKE LORIN BIKE PATH CROSS SECTIONS
 SCALE: 5' SHEET NO. OF SHEETS STA. 124+50.00 TO STA. 127+50.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 45 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\0\landHills\080156\Civil\080156_LORIN.dwg
 USER NAME = MAGOLDEN
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

| | |
|-------------------|-----------|
| DESIGNED - LMF | REVISED - |
| DRAWN - MG | REVISED - |
| CHECKED - LMF | REVISED - |
| DATE - 10/28/2008 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

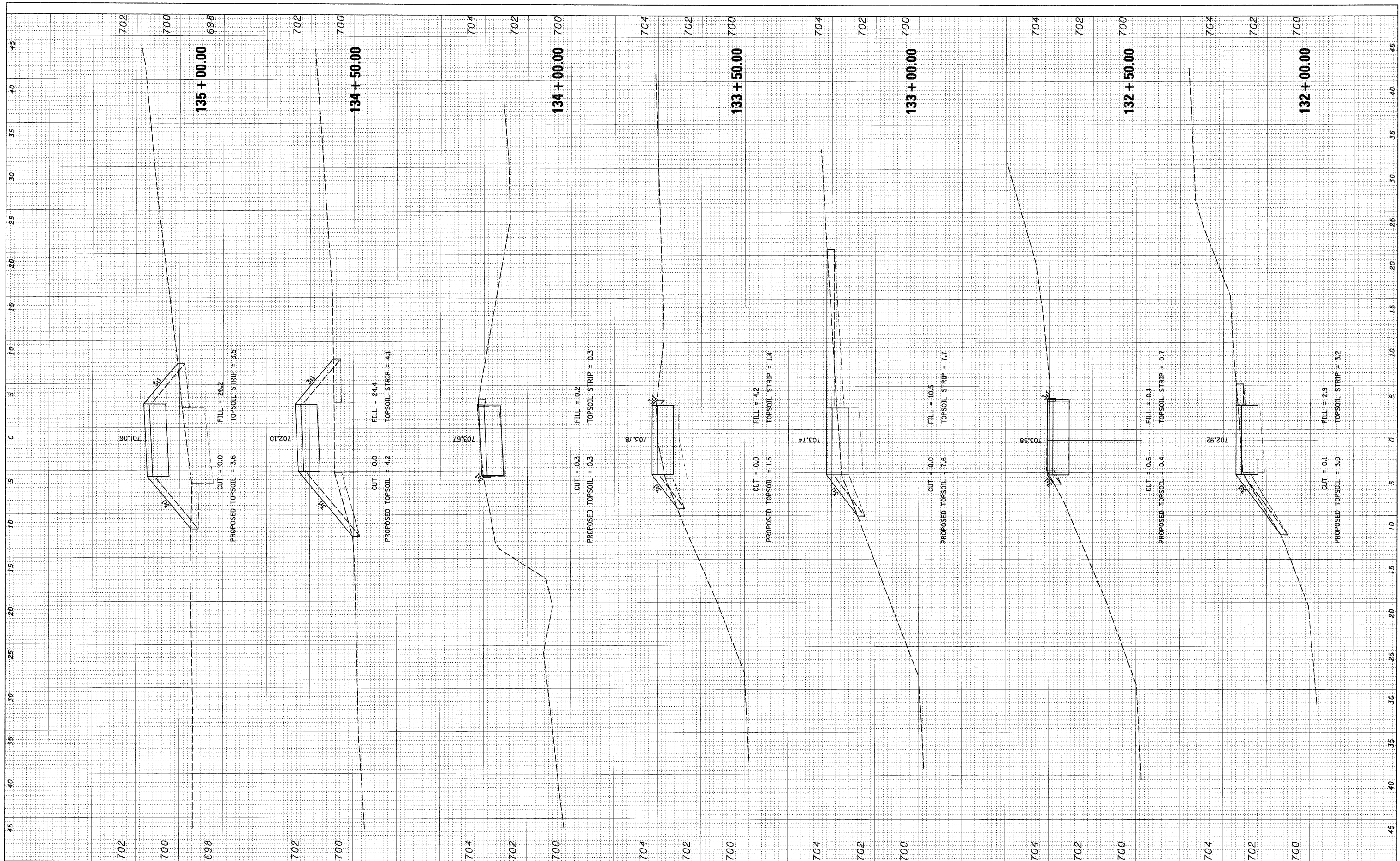
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 128+00.00 TO STA. 131+50.00

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 46 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\OrlandHills\000156\Civil\000156_LORIN.lay
 USER NAME = MAGOLDEN

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISIONS:
 REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

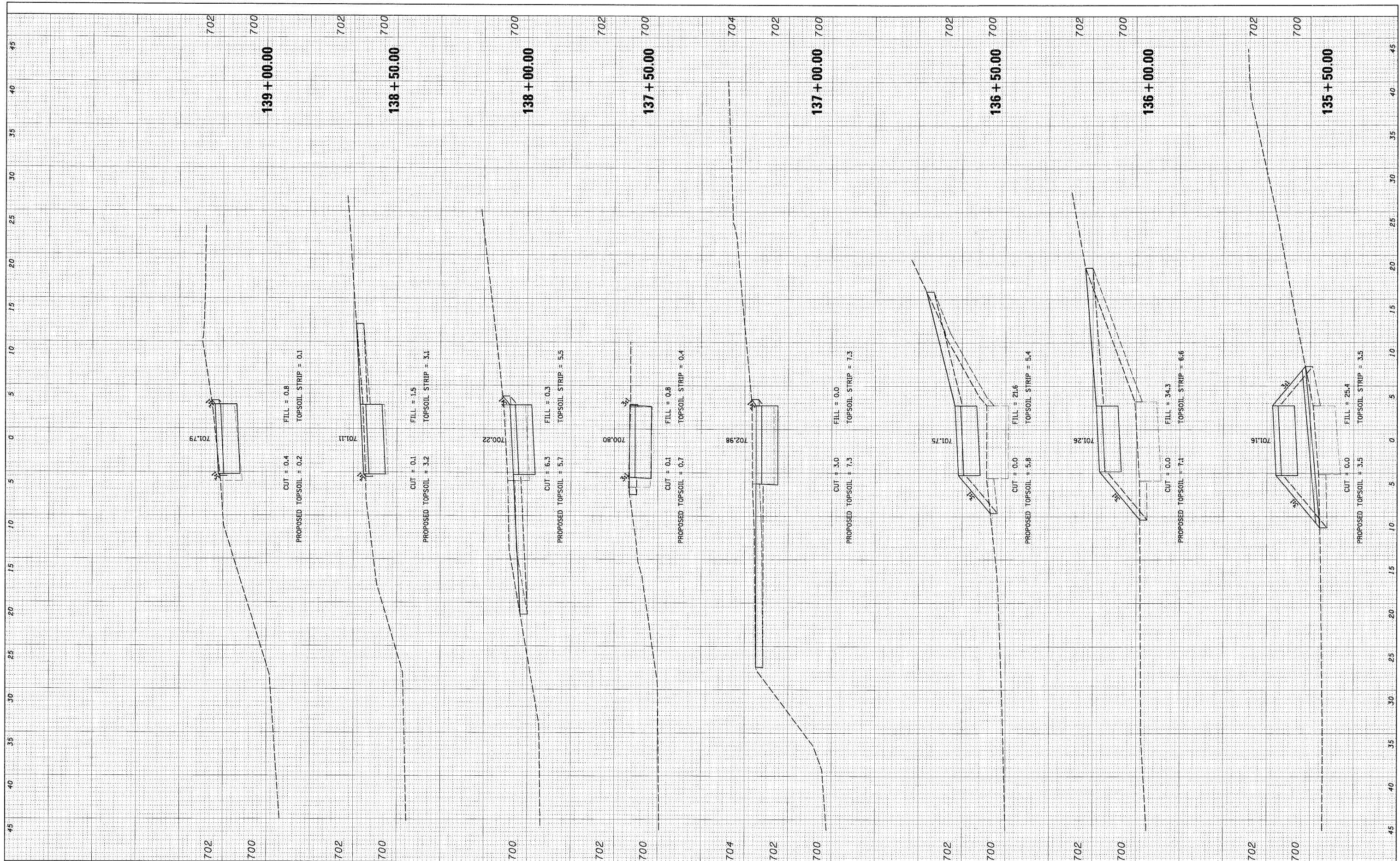
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 132+00.00 TO STA. 135+00.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 47 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

FINAL SURVEY
 SURVEYED
 PLOTTED
 TEMPLATE
 NO. _____
 BY _____
 DATE _____

ORIGINAL SURVEY
 SURVEYED
 PLOTTED
 TEMPLATE
 NO. _____
 BY _____
 DATE _____



FILE NAME = N:\OrlandHills\080156\Civil\080156_LORIN1.s

USER NAME = MAGOLDEN
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 135+50.00 TO STA. 139+00.00

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 48 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

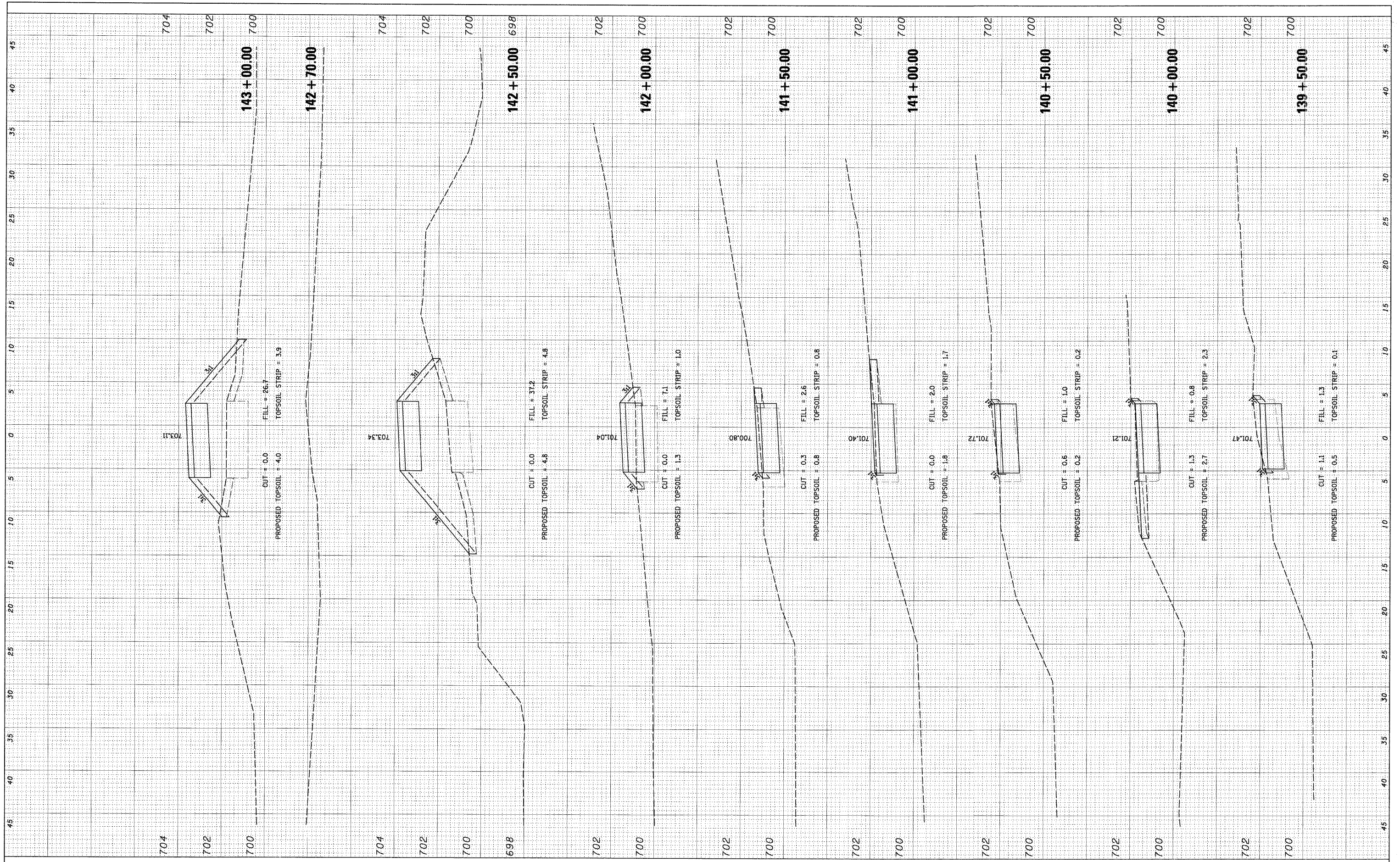
BY: _____ DATE: _____

NO. _____

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

BY: _____ DATE: _____

NO. _____



FILE NAME = N:\OrlandHills\080156\Cv1\080156.LORIN.dwg

USER NAME = MAGOLDEN

PLOT SCALE = 5'

PLOT DATE = 10/28/2008

DESIGNED - LMF
DRAWN - MG
CHECKED - LMF
DATE - 10/28/2008

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

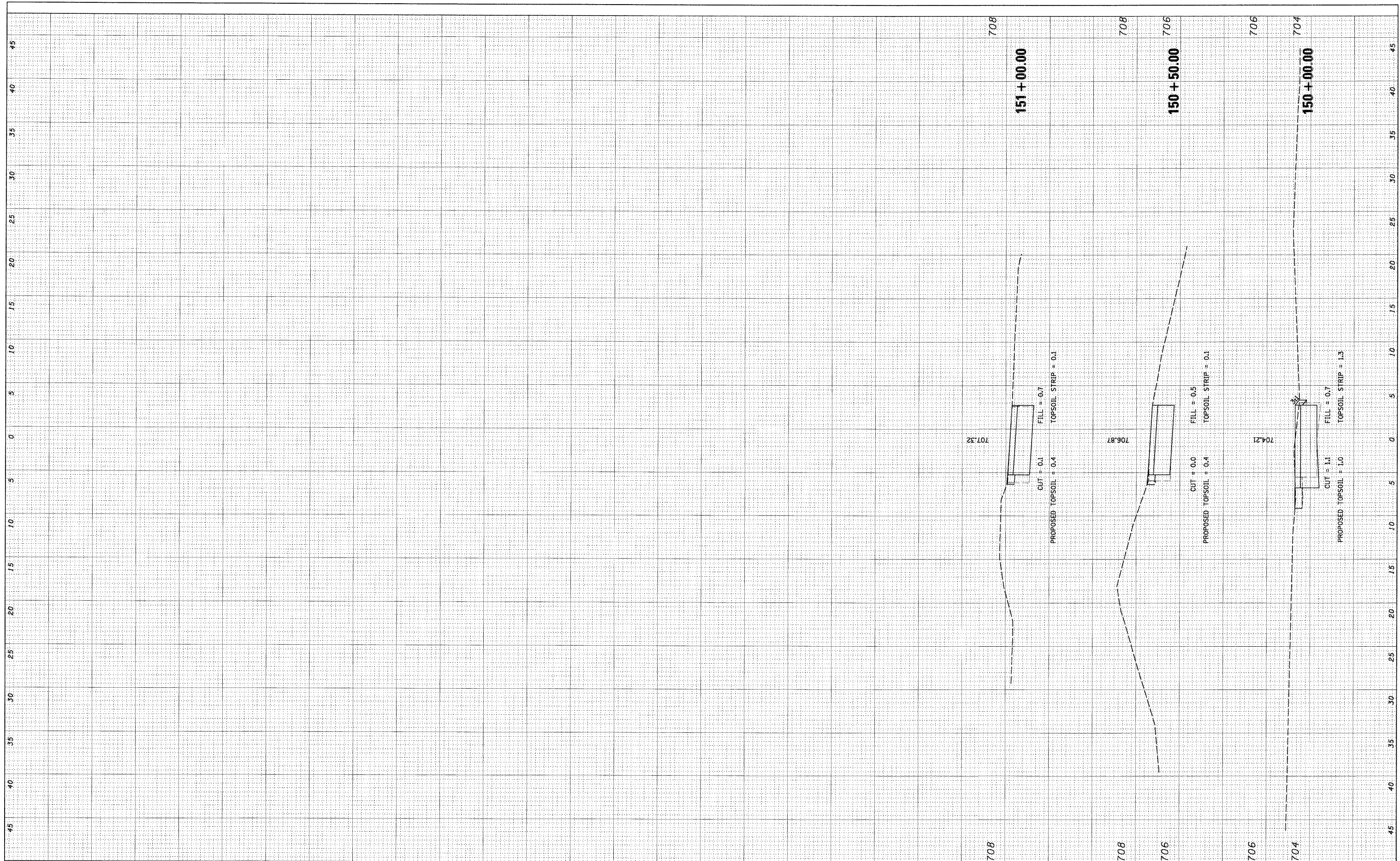
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 139+50.00 TO STA. 143+00.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 49 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

FINAL SURVEY SURVEYED PLOTTED NOTE BOOK NO. BY DATE

ORIGINAL SURVEY SURVEYED PLOTTED NOTE BOOK NO. BY DATE



FILE NAME = N:\Gr-landH.11s\000156\Cv1\B00156_LORIN_SS1.lay

USER NAME = MAGOLDEN
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

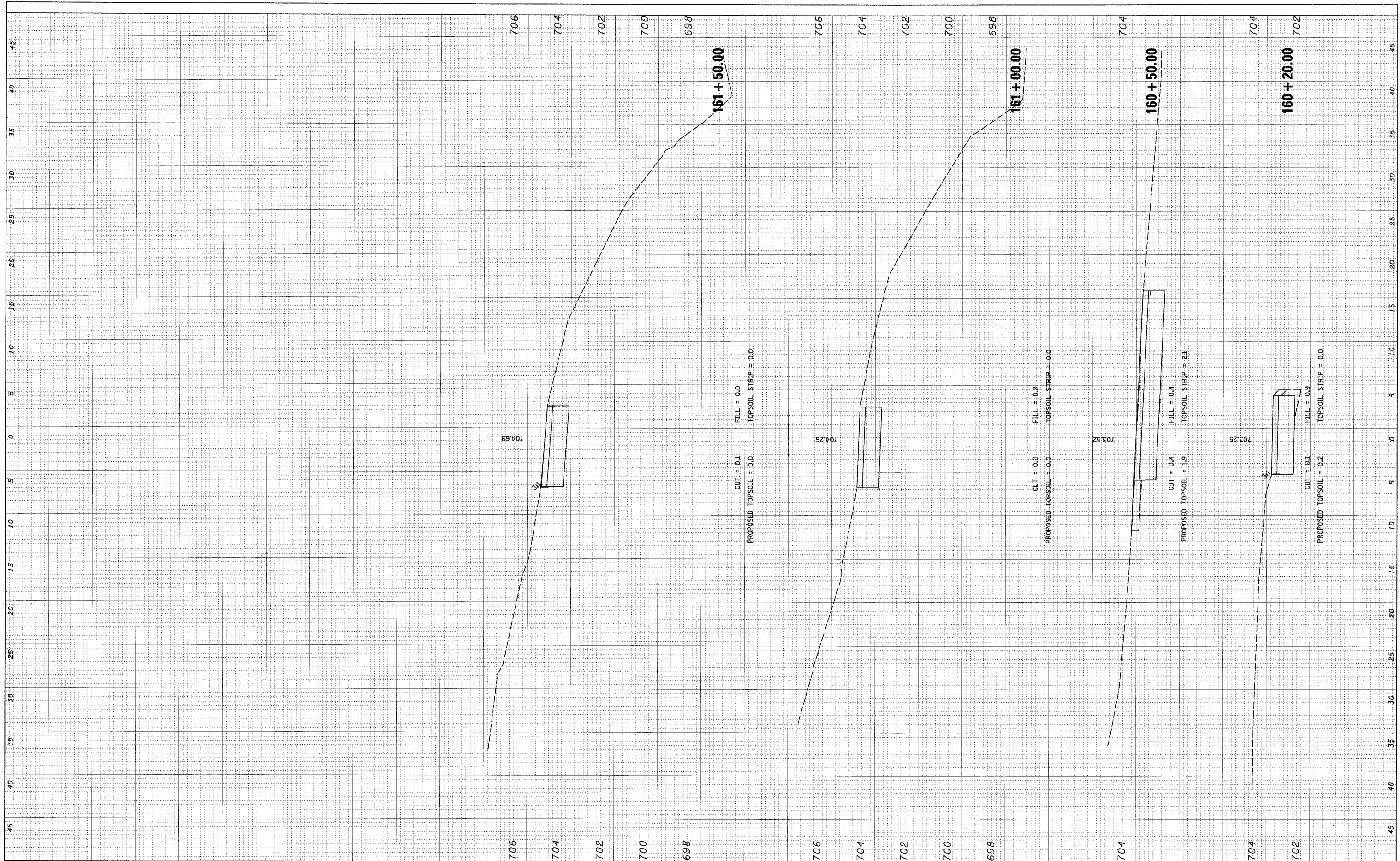
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 150+00.00 TO STA. 151+00.00

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 50 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

FINAL SURVEY SURVEYED, PLOTTED, NOTE BOOK, AREAS CHECKED, BY, DATE

ORIGINAL SURVEY SURVEYED, PLOTTED, NOTE BOOK, AREAS CHECKED, BY, DATE



FILE NAME = N:\Dr\land\Hills\080156\Civil\080156_LORIN_NS1.dwg

USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008
 PLOT SCALE = 5'

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

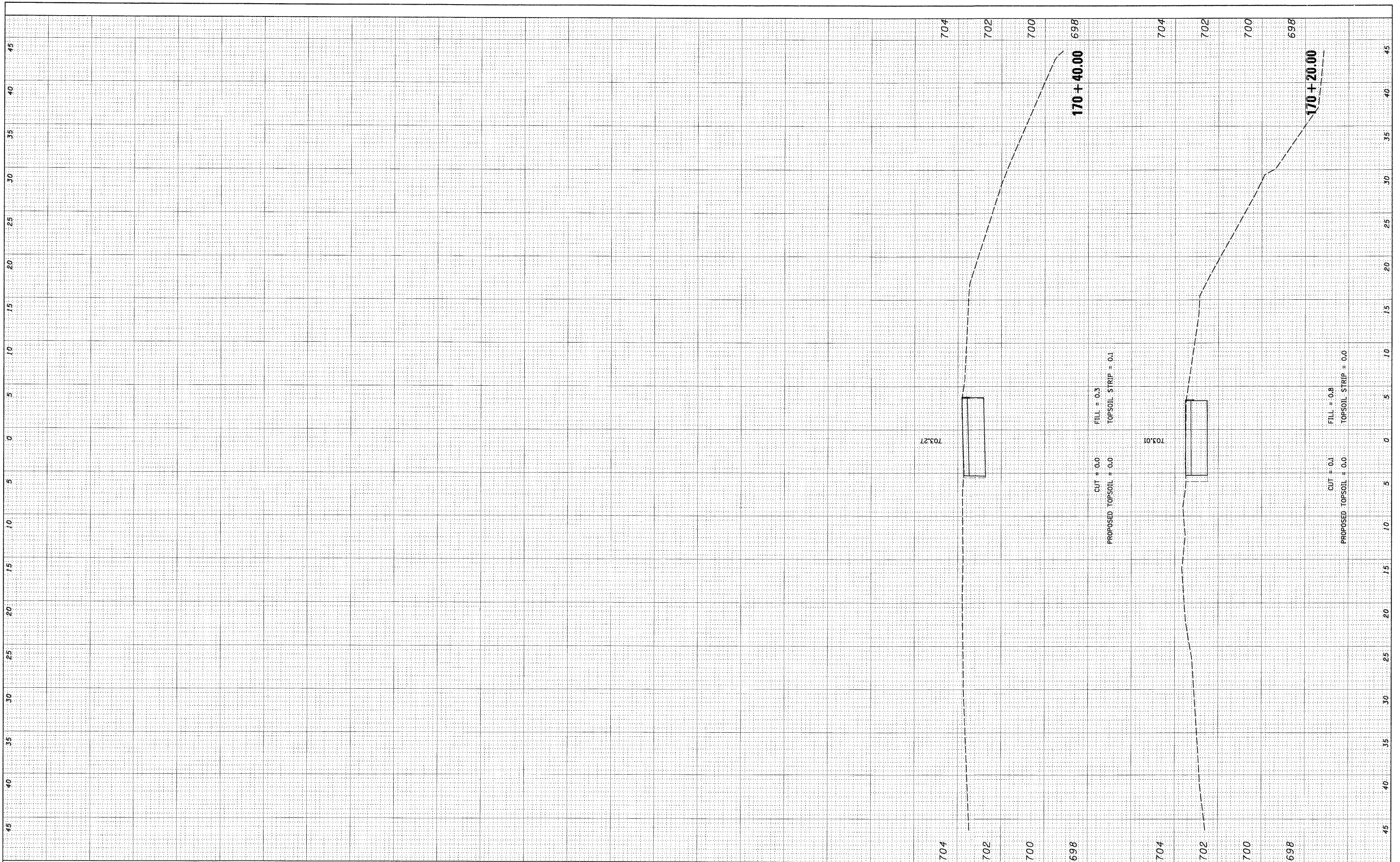
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 160+20.00 TO STA. 161+50.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 51 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\0\landHills\080156\Civil\080156_LORIN_NS2.dwg
 USER NAME = MAGOLDEN
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

| | |
|-------------------|-----------|
| DESIGNED - LMF | REVISED - |
| DRAWN - MG | REVISED - |
| CHECKED - LMF | REVISED - |
| DATE - 10/28/2008 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

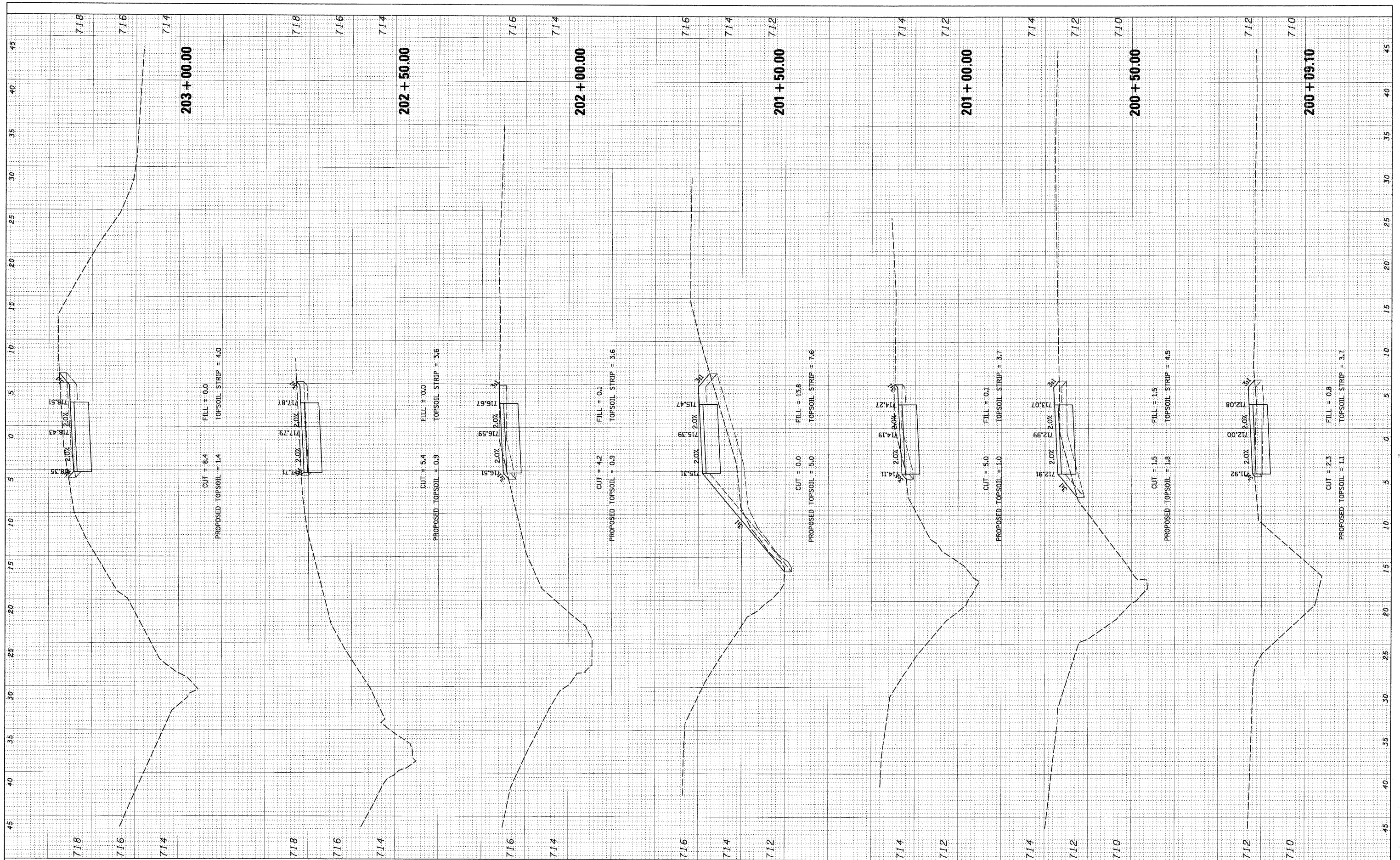
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 170+20.00 TO STA. 170+40.00

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 52 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\0-land\hills\000156\Civil\XS_000156_ELMPLACE.SHT
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

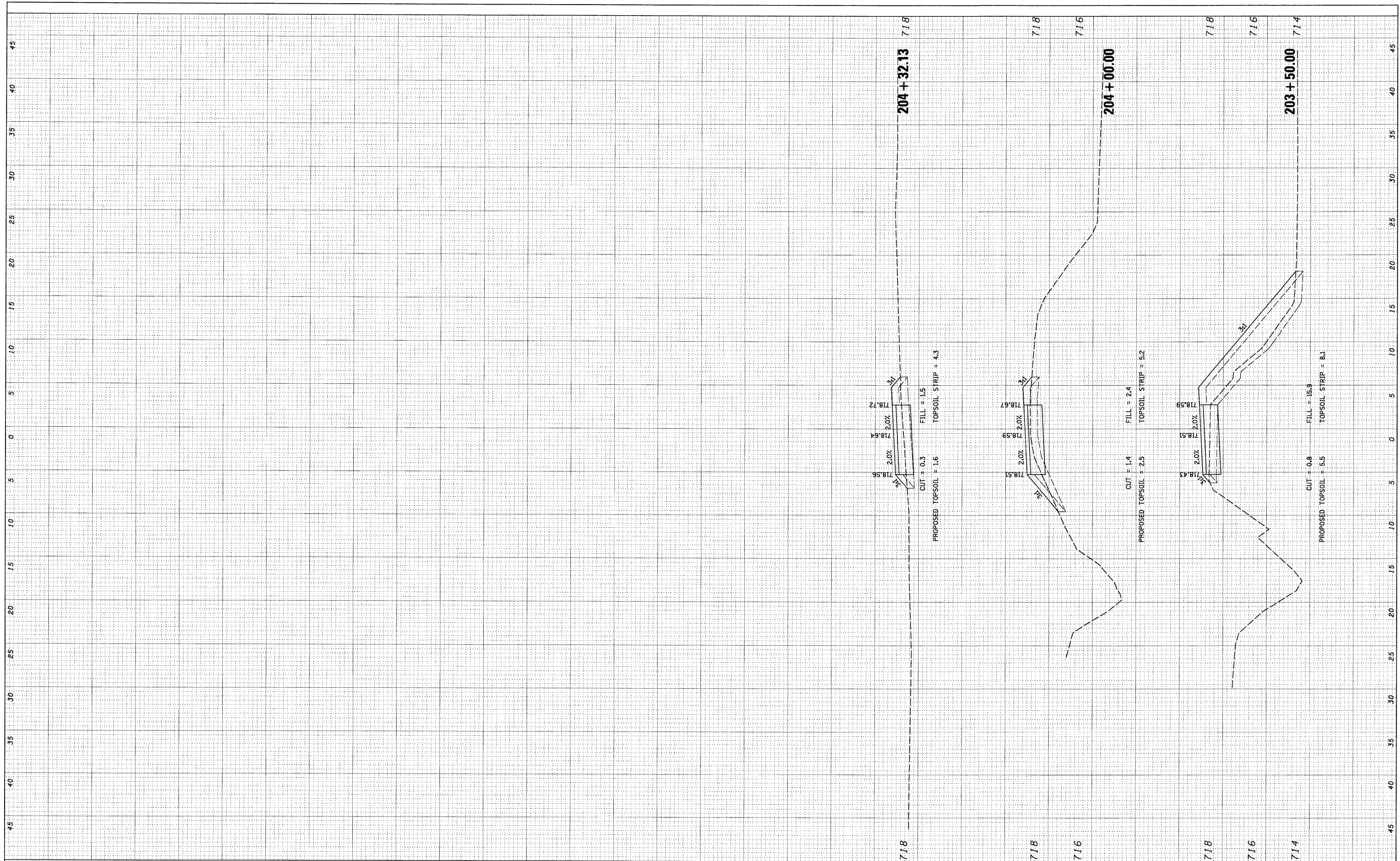
ASHBOURNE LAKE BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 200+09.10 TO STA. 203+00.00

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 53 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |



| | | | |
|---|----------------------|-------------------|-----------|
| FILE NAME = | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - |
| N:\0\landH\11s\080156\Civil\XS_080156_ELMP.LACE.SHT | | DRAWN - MG | REVISED - |
| | | CHECKED - LMF | REVISED - |
| | | DATE - 10/28/2008 | REVISED - |

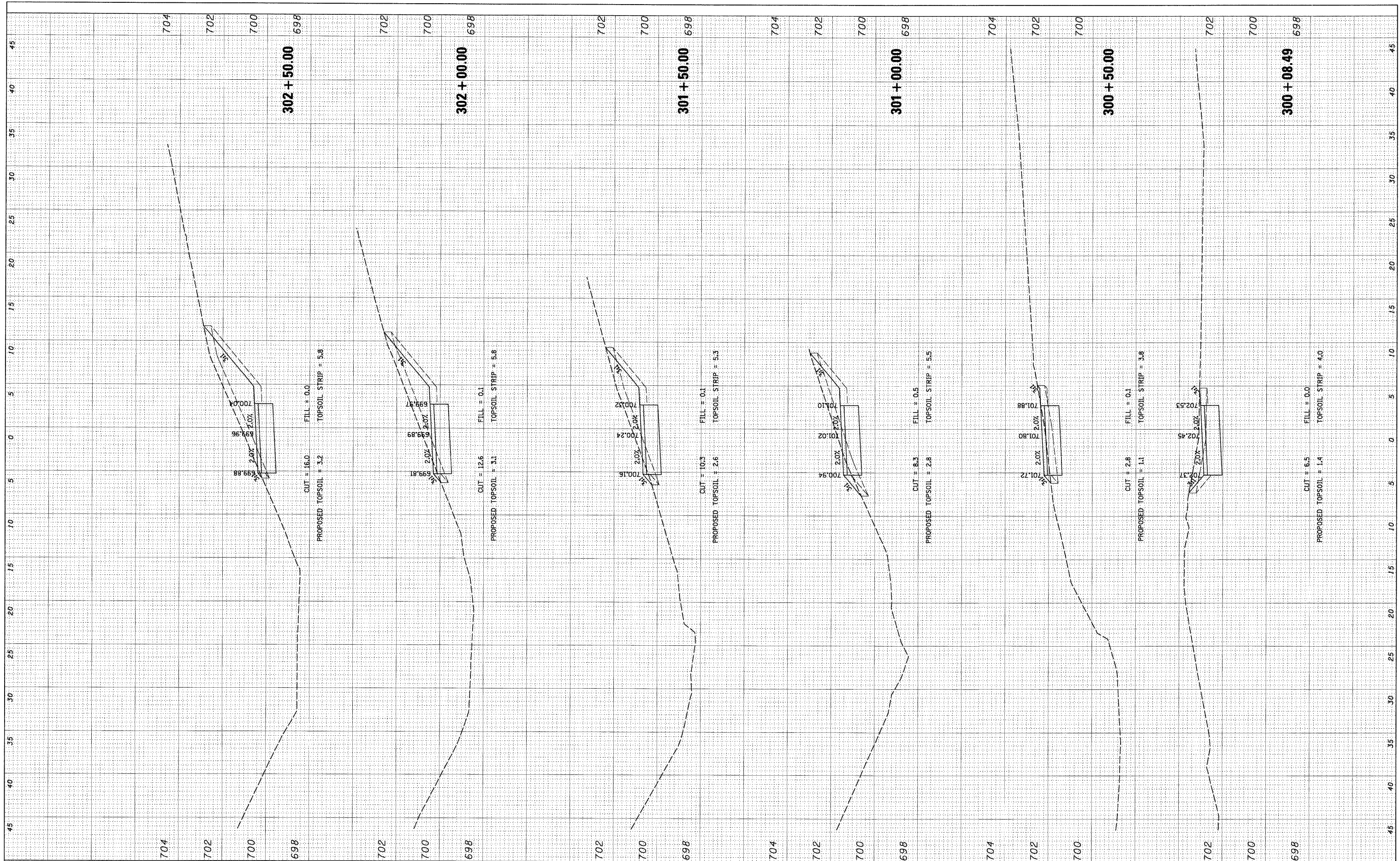
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-----------|-----------|----------------------------------|
| ASHBOURNE LAKE BIKE PATH CROSS SECTIONS | | | |
| SCALE: 5' | SHEET NO. | OF SHEETS | STA. 203+50.00 TO STA. 204+32.13 |

| | | | | |
|---------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 54 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| CONTRACT NO. 63084 | | | | |

FINAL SURVEY SURVEYED BY DATE
 PLOTTED TEMPLATE
 NOTE BOOK NO.
 AREAS CHECKED

ORIGINAL SURVEY SURVEYED BY DATE
 PLOTTED TEMPLATE
 NOTE BOOK NO.
 AREAS CHECKED



FILE NAME = N:\OrlandHills\080156\Cv1\XS_080156_08thAVE.SH
 USER NAME = MAGOLDEN

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISOR -
 REVISION -
 REVISION -
 REVISION -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

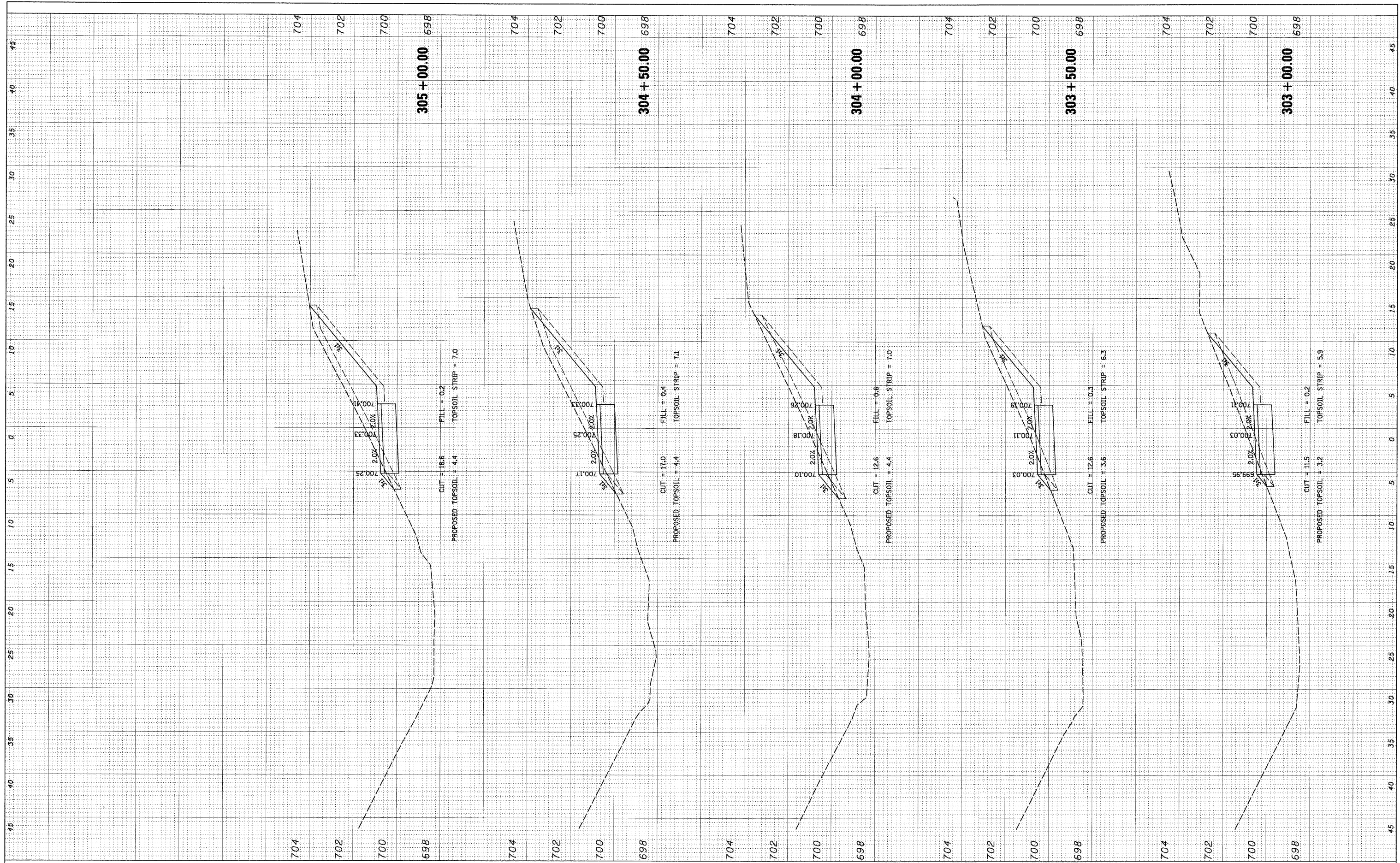
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 300+08.49 TO STA. 302+50.00

| | | | | |
|---------------------|----------------|--------|---------------------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 55 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| CONTRACT NO. 63084 | | | | |

FINAL SURVEY SURVEYED PLOTTED
 NOTE BOOK TEMPLATE AREAS CHECKED
 NO. BY DATE

ORIGINAL SURVEY SURVEYED PLOTTED
 NOTE BOOK TEMPLATE AREAS CHECKED
 NO. BY DATE



FILE NAME = N:\0-land\hills\200156\Civil\XS_000156_00.thr.AVE.SH
 USER NAME = MAGOLDEN

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

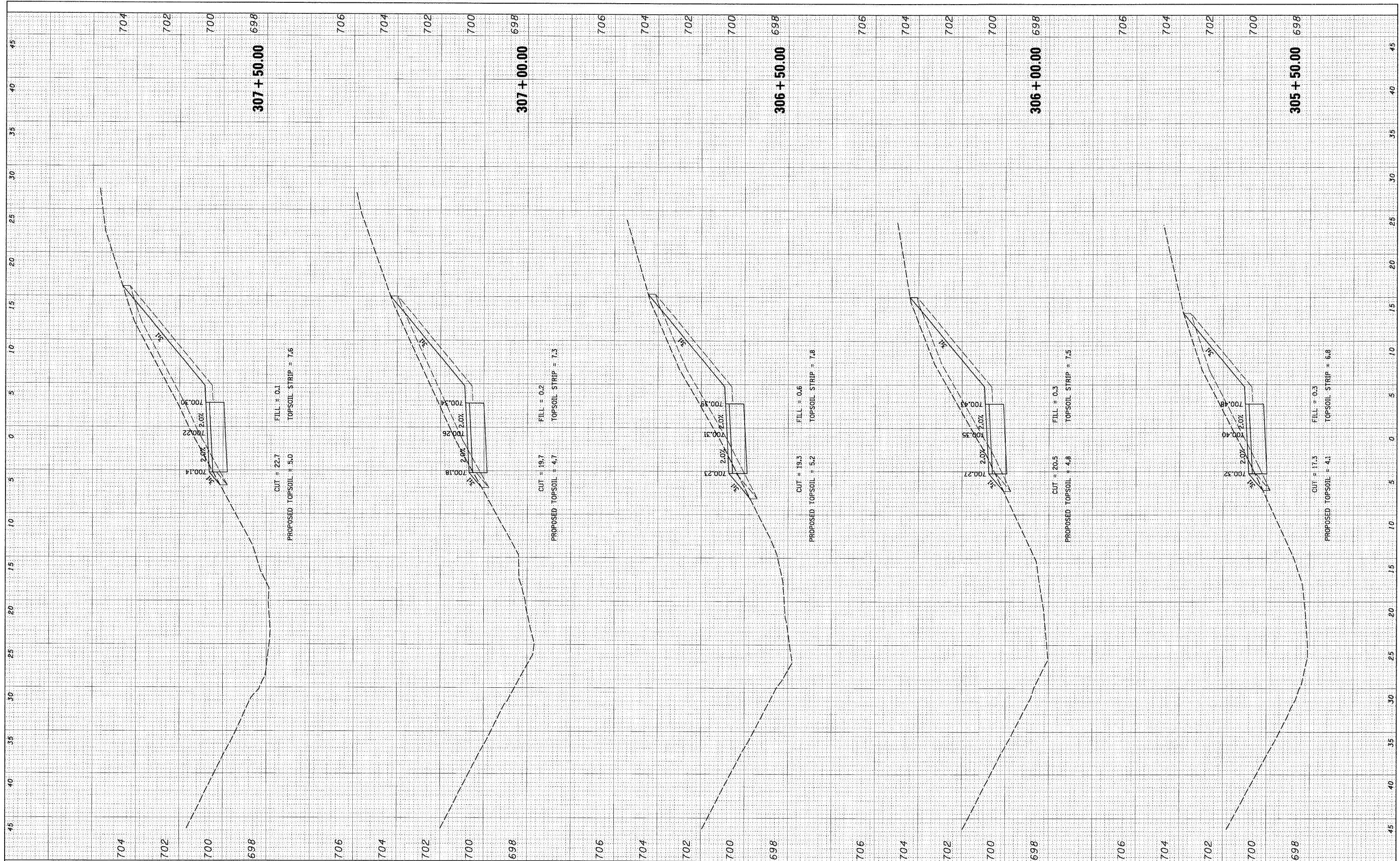
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 303+00.00 TO STA. 305+00.00

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 56 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|--------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK | PLOTTED | | |
| NO. | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\OrlandHills\080156\Civil\XS_080156_00.dwg

USER NAME = MAGOLDEN
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

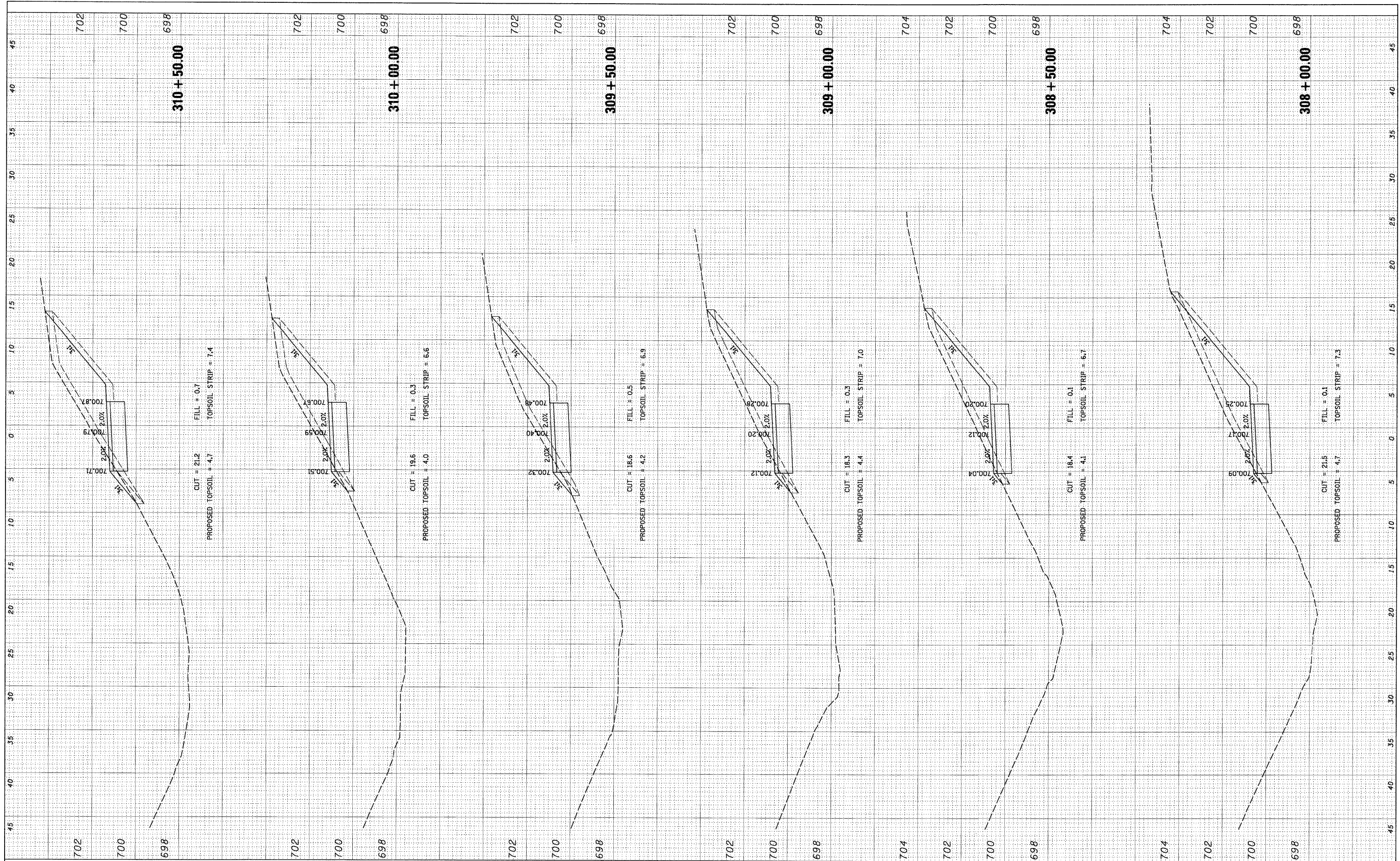
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 305+50.00 TO STA. 307+50.00

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 57 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\OrLandHills\000156\Civil\XS_000156_BBthAVE.SH

USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

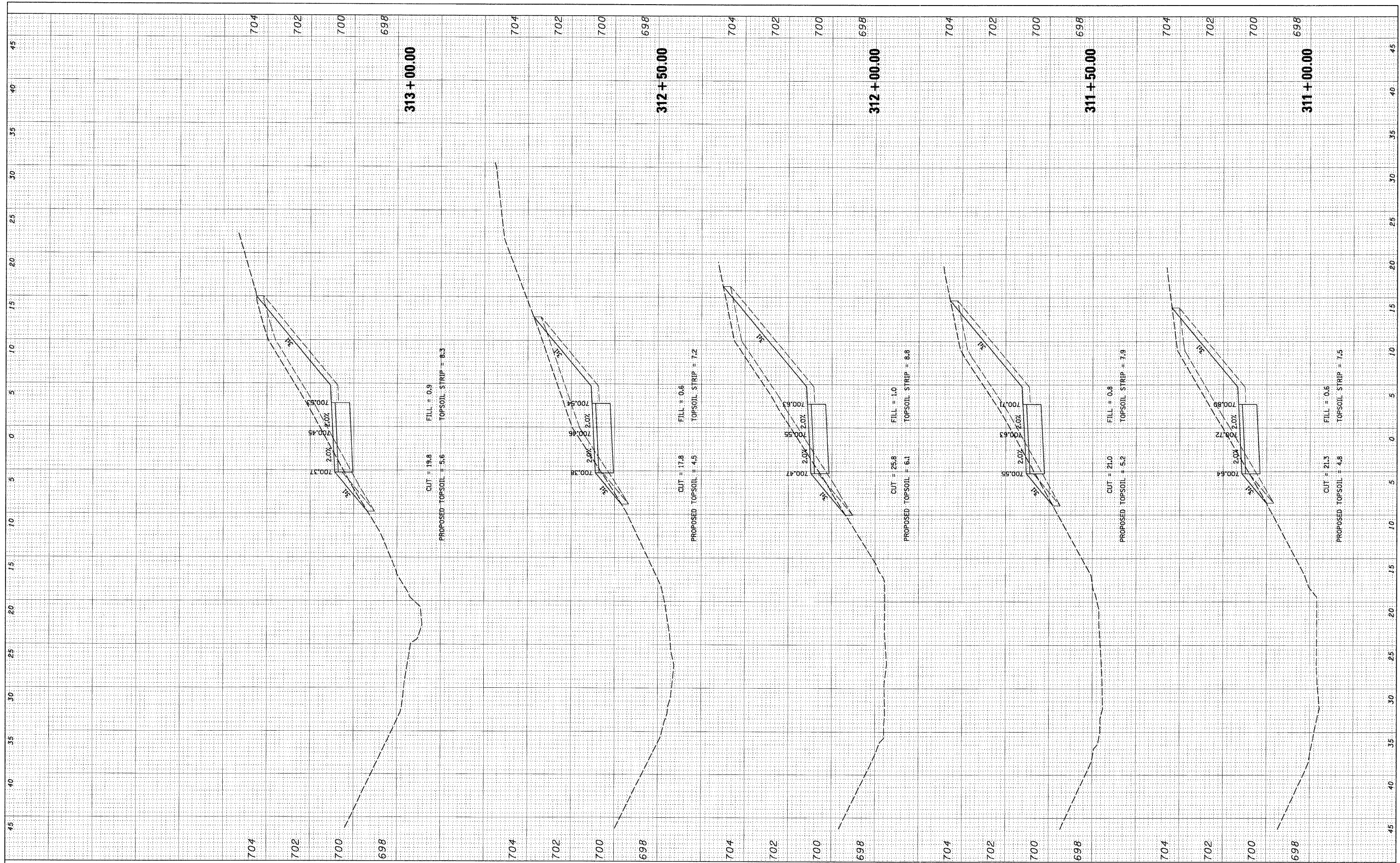
LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 308+00.00 TO STA. 310+50.00

| | | | | |
|---|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 58 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVEYED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



FILE NAME = N:\0\land\h11s\080156\Cv1\XS_080156_08thAVE.SH
 PLOT SCALE = 5'
 PLOT DATE = 10/28/2008

USER NAME = MAGOLDEN
 DESIGNED - LMF
 DRAWN - MG
 CHECKED - LMF
 DATE - 10/28/2008

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

LAKE LORIN BIKE PATH CROSS SECTIONS

SCALE: 5' SHEET NO. OF SHEETS STA. 311+00.00 TO STA. 313+00.00

| | | | | |
|--|----------------|--------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 59 |
| CONTRACT NO. 63084 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|---------------|---------------|----|------|
| FINAL SURVEY | SURVIVED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |

| | | | |
|-----------------|---------------|----|------|
| ORIGINAL SURVEY | SURVIVED | BY | DATE |
| NOTE BOOK NO. | PLOTTED | | |
| | TEMPLATE | | |
| | AREAS CHECKED | | |



| | | | |
|--|----------------------|-------------------|-----------|
| FILE NAME = N:\0-landHills\060156\Civil\XS_080156_08thaVE.SH | USER NAME = MAGOLDEN | DESIGNED - LMF | REVISED - |
| PLJT SCALE = 5' | | DRAWN - MG | REVISED - |
| PLOT DATE = 10/28/2008 | | CHECKED - LMF | REVISED - |
| | | DATE - 10/28/2008 | REVISED - |

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

| | | | |
|--|-----------|-----------|----------------------------------|
| LAKE LORIN BIKE PATH CROSS SECTIONS | | | |
| SCALE: 5' | SHEET NO. | OF SHEETS | STA. 313+50.00 TO STA. 313+96.33 |

| | | | | |
|---------------------|----------------|---------------------------|--------------|-----------|
| F.A. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
| | 06-00021-00-BT | COOK | 60 | 60 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| | | CONTRACT NO. 63084 | | |