

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	1
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

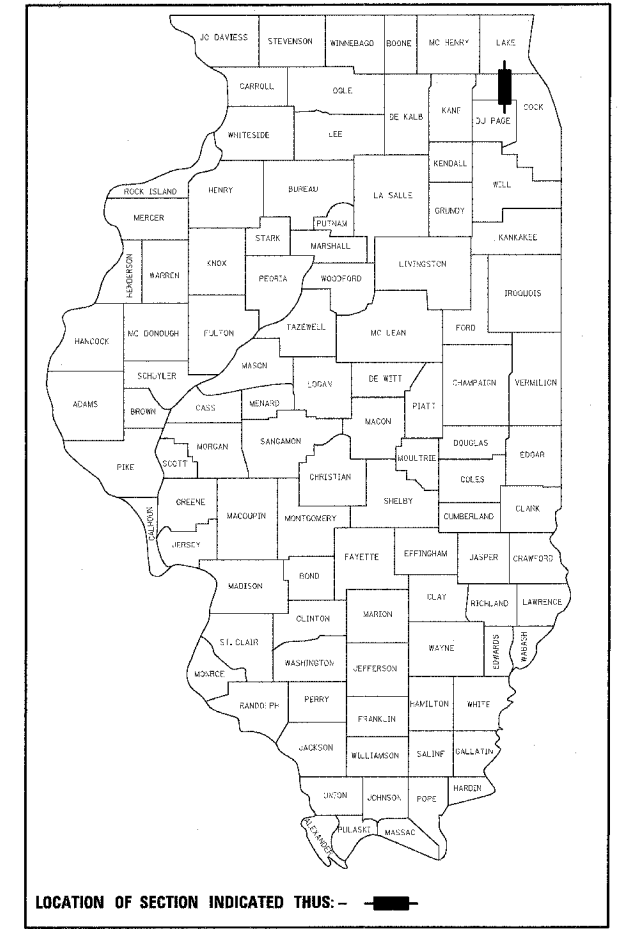
**CONTRACT No. 83799**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PLANS FOR PROPOSED**  
**FEDERAL AID HIGHWAY**

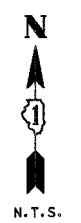
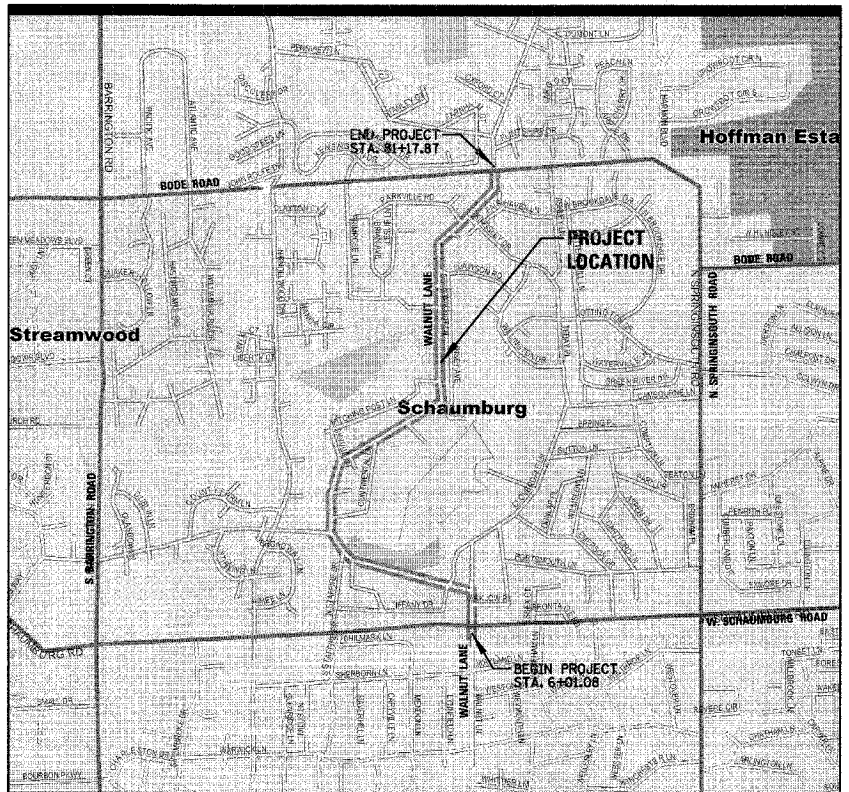
**FAU 2556 (WALNUT LANE)**  
**Section No.: 00-00070-00-FP**  
**SCHAUMBURG ROAD TO BODE ROAD**  
**RECONSTRUCTION**  
**Project No.: M-8003 (362)**  
**COOK COUNTY**  
**C-91-108-04**

**INDEX OF SHEETS**

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**WALNUT LANE**  
 Sta. 6+01.08 to Sta. 81+17.87  
  
**OMISSION**  
 Sta. 9+68.90 to Sta. 10+31.33



**TRAFFIC DATA**  
 EXISTING ADT: 2500  
 PROPOSED ADT: 3200 (2025)

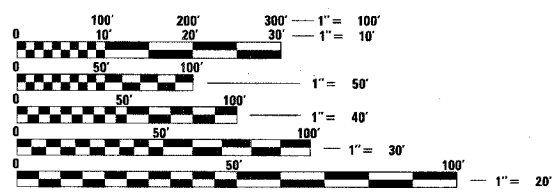
POSTED SPEED = 25 MPH  
 DESIGN SPEED = 30 MPH

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

APPROVED April 7, 2005  
  
 VILLAGE OF SCHAUMBURG

APPROVED April 12, 2005  
  
 LOCAL ROADS ENGINEER

APPROVED April 12, 2005  
  
 DISTRICT ENGINEER



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

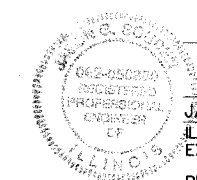
J.U.L.I.E.  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123

**CONTRACT NO. 83799**

**LOCATION MAP**  
 SCALE: NONE

GROSS LENGTH OF PROJECT = 7517 LINEAL FEET (1.42 MILES)  
 NET LENGTH OF PROJECT = 7453 LINEAL FEET (1.41 MILES)  
**PROJECT LOCATED IN: VILLAGE OF SCHAUMBURG**

**FINAL**



APPROVED April 12, 2005  
  
**JASON G. SOUDEN**  
 ILLINOIS REGISTRATION No. 062-050850 ENGINEER  
 EXPIRATION DATE: 11/30/05  
 PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

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

**FEDERAL AID DESIGN ENGINEER: CHARLES F. RIDDLE**  
 201 W. CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196-1096  
 (847) 705-4406

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-PP	COOK	98	2
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

**CONTRACT No. 83799**

STANDARD NO.	DESCRIPTION
STD. 000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
STD. 280001-02	TEMPORARY EROSION CONTROL SYSTEMS
STD. 420001-05	PAVEMENT JOINTS
STD. 424001-03	CURB RAMPS FOR SIDEWALKS
STD. 602001	CATCH BASIN TYPE A
STD. 602011	CATCH BASIN TYPE C
STD. 602301	INLET TYPE A
STD. 602401	MANHOLE TYPE A
STD. 602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
STD. 602701	CAST IRON STEPS
STD. 604001-02	FRAME AND LIDS TYPE 1
STD. 604036-01	GRATE TYPE 8
STD. 604086-01	FRAME AND GRATE, TYPE 23
STD. 606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
STD. 701501-03	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
STD. 701701-04	URBAN LANE CLOSURE, MULTI-LANE INTERSECTION
STD. 701801-03	LANE CLOSURE, MULTI-LANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
STD. 702001-05	TRAFFIC CONTROL DEVICES
STD. 720001	SIGN PANEL MOUNTING DETAILS
STD. 720006	SIGN PANEL ERECTION DETAILS
STD. 720011	METAL POSTS (SIGNS, MARKERS, AND DELINEATORS)
STD. 729001	APPLICATION OF TYPE A AND B METAL POSTS
STD. 780001-01	TYPICAL PAVEMENT MARKINGS
STD. 805001	ELECTRICAL SERVICE INSTALLATION DETAILS
STD. 814001	CONCRETE HANDHOLES
STD. 814006	DOUBLE HANDHOLES
STD. 857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
STD. 877001-02	STEEL MAST ARM ASSEMBLY AND POLE
STD. 878001-03	CONCRETE FOUNDATION DETAILS
STD. 880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
STD. 880006	TRAFFIC SIGNAL MOUNTING DETAILS
STD. 886001	DETECTOR LOOP INSTALLATIONS
STD. 886006	TYPICAL LAYOUTS FOR DETECTOR LOOPS
B. L. R. 17-3	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION
B. L. R. 18-4	TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE



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

CLIENT:



**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.	DATE
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\01434_LISTSTD.STD			

DSGN.	GS
DWN.	GS
CHKD.	JGS
SCALE:	NOT TO SCALE
DATE:	04/05/2005

TITLE: **WALNUT LANE RECONSTRUCTION**  
**LIST OF STATE STANDARDS**  
**C-91-108-04**

PROJECT NO. 01-434  
 SHEET 2 OF 98  
 DRAWING NO. 2

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-0070-00-FP	COOK	98	3
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT

CONTRACT No. 83799

SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2002; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED MARCH 1, 2005; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD).  
 "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY 1997 EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST IDOT STANDARD.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 702 OF THE STANDARD SPECIFICATIONS.

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH THE VILLAGE IN ANY UNDERGROUND UTILITY CONSTRUCTION WHICH THE VILLAGE 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 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. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRE CONSTRUCTION CONFERENCE.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE, GAS FACILITIES, BURIED WATER, SANITARY AND STORM FACILITIES (48-HOUR ADVANCE NOTIFICATION IS REQUIRED).

STAKING

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

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

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 COST OF THE TRAFFIC CONTROL AND PROTECTION.

WHEN THE REQUIRED VERTICAL AND HORIZONTAL CLEARANCES, AS SPECIFIED BY THE IEPA, BETWEEN PROPOSED STORM SEWER AND EXISTING OR PROPOSED WATER MAINS CANNOT BE MET, CIRCULAR PIPE SHALL BE INSTALLED OF WATER MAIN QUALITY PIPE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR WATER MAIN, EXCEPT THAT ONLY DUCTILE IRON PIPE WILL BE ALLOWED BENEATH PAVEMENTS. THIS PIPE WILL BE PAID FOR AS "STORM SEWER, (WATER MAIN REQUIREMENTS)".

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT OR RECONSTRUCTION COST.

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

DRAINAGE STRUCTURE OFFSETS AS SHOWN ON THE PLANS ARE GIVEN TO THE FOLLOWING POINTS:

- (A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE FACE OF THE CURB.
  - (B) FOR ALL OTHER STRUCTURES - TO THE CENTER OF THE STRUCTURE.
- RIM ELEVATIONS SHOWN ON THE PLANS FOR DRAINAGE STRUCTURES IN THE CURB LINE ARE EDGE OF PAVEMENT ELEVATIONS.

EXISTING STORM SEWER SHALL BE CONNECTED TO PROPOSED STORM SEWER. THIS WORK SHALL BE INCLUDED IN THE COST OF NEW STORM SEWER.

THE CONTRACTOR SHALL CONFIRM ALL EXISTING STORM SEWER PIPE SIZES AND INVERTS PRIOR TO ORDERING STRUCTURES. ANY MODIFICATION OF STRUCTURES DUE TO THE FAILURE OF THE CONTRACTOR TO PERFORM THIS TASK SHALL BE AT THE CONTRACTOR'S EXPENSE AND MAY LEAD TO THE REJECTION OF THE STRUCTURE IN THE FIELD.

FOR WATER MAIN SHUT OFFS, THE CONTRACTOR SHALL GIVE THE VILLAGE A MINIMUM OF 48 HOURS NOTICE. THE VILLAGE SHALL PROVIDE NOTIFICATION FORMS AND DETERMINE THE LIMIT OF THE AFFECTED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTION OF THE NOTIFICATION FORMS TO ALL AFFECTED RESIDENTS.

THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS

WITHOUT PRIOR AUTHORIZATION FROM THE VILLAGE PUBLIC WORKS DEPARTMENT. UNAUTHORIZED USE SHALL SUBJECT THE OFFENDER TO ARREST AND PROSECUTION.

PRECAST CONCRETE FLAT SLAB TOPS SHALL BE USED WHERE THE REQUIRED VERTICAL DISTANCE IS INSUFFICIENT TO ALLOW MANHOLE OR CATCH BASIN CONE TO BE USED.

ALL PROPOSED UNDERDRAINS SHALL BE INSTALLED A MINIMUM OF 30" IN DEPTH BELOW FINISHED GRADE.

BACKFILL

STORM SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07.

ALL TRENCH BACKFILL QUANTITIES FOR STORM AND SANITARY SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE, BASED ON INVERT DEPTH FROM EXISTING PAVEMENT.

MISCELLANEOUS

ACCESS: THE CONTRACTOR SHALL PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT, EXCEPT FOR PERIODS OF SHORT DURATION. THE COST TO PROVIDE ACCESS SHALL BE PAID FOR WITH THE ITEM FOR AGGREGATE SURFACE COURSE, TYPE B.

ALL EXISTING AGGREGATE DRIVEWAYS SHALL BE REPLACED AS BITUMINOUS DRIVEWAYS.

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.

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.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING CONSTRUCTION OPERATIONS SO THAT ONLY ONE SIDE OF THE STREETS CURB AND GUTTER IS BEING REMOVED AND REPLACED AT A TIME.

THE REPLACEMENT OF ALL EXISTING DRIVEWAYS WITH ADJACENT CURB SHALL BE CONDUCTED IN STAGES IN ORDER TO PROVIDE FOR CONTINUOUS ACCESS TO THE PROPERTIES.

10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB, GUTTER AND MEDIUM ITEMS OF WORK TO EXISTING CURBS, GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF TREES AND SHRUBS IN ACCORDANCE WITH SECTION 201 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY OR VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE OWNER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING & RELOCATING ALL SIGNS. TEMPORARY STOP SIGNS, SPEED LIMIT SIGNS AND STREET NAME SIGNS SHALL BE UP AND VISIBLE AT ALL TIMES. THIS WORK SHALL BE PAID IN THE PRICE FOR AS "RELOCATE SIGN PANEL ASSEMBLY - TYPE A" PAY ITEM.

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY MANHOLES, CATCH BASIN, INLET, VALVE VAULT OR METER VAULT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: ALL LIDS TO BE USED ON STORM SEWER STRUCTURES SHALL BEAR THE WORD "STORM". ALL LIDS TO BE USED ON SANITARY SEWER STRUCTURES SHALL BEAR THE WORD "SANITARY". ALL LIDS TO BE USED ON WATER SYSTEM STRUCTURES SHALL BEAR THE WORD "WATER". ALL LIDS TO BE USED SHALL BEAR THE WORDS "VILLAGE OF SCHAUMBURG".

FOR THE DESIGN AND QUANTITY CALCULATION PURPOSES, THE PLANS WERE DEVELOPED USING 112 POUNDS PER SQUARE YARD PER INCH THICKNESS FOR BITUMINOUS CONCRETE SURFACE COURSE, SEE ISP 04-20.

AT ALL BUTT JOINT LOCATIONS, THE EXISTING SURFACE SHALL BE CUT TO A MINIMUM DEPTH OF ONE AND ONE HALF (1-1/2) INCHES. THIS WORK SHALL BE PAID FOR AS BITUMINOUS SURFACE REMOVAL (BUTT JOINT).

DEPRESSED CURB, RAMPS OR DEPRESSED CURBS ACCESSIBLE TO THE HANDICAPPED SHALL BE PROVIDED AT ALL CROSSWALKS AND BICYCLE PATHS. NON-ADA DEPRESSED CURB SHALL BE PROVIDED AT ALL ALLEYS OR DRIVEWAYS.

ALL GUTTER FLAGS, FACE AND TOP OF CURB AND GUTTER, P.C.C. SIDEWALK AND P.C.C. DRIVEWAY SHALL BE COMPLETELY COATED WITH A CLEAR MEMBRANE CURING COMPOUND IMMEDIATELY AFTER INITIAL SET.

PAVEMENT GRADES: THE ELEVATIONS INDICATED ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.)

SITE OBJECTS: REMOVAL OF MISCELLANEOUS PARKWAY IMPROVEMENTS INCLUDING LANDSCAPE TIMBERS, FENCES, FENCE POSTS, PLANTERS, VEGETATION, ETC., WITHIN R.O.W. LIMITS SHALL BE INCLUDED IN THE PAY ITEM FOR "EARTH EXCAVATION".

PAY ITEMS IN THE SUMMARY OF QUANTITIES HAVE BEEN ESTIMATED. IF, IN THE ENGINEER'S OPINION, THE WORK IS NOT REQUIRED, THE ITEM WILL BE DEDUCTED FROM THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EXPOSED SUBGRADE MUST BE COVERED WITHIN 24 HOURS OF EXCAVATION. UNSTABLE SUBGRADE AREAS, AS DETERMINED BY THE ENGINEER, RESULTING FROM THE CONTRACTOR'S FAILURE TO COVER THE SUBGRADE SHALL BE EXCAVATED AND BACKFILLED WITH POROUS GRANULAR EMBANKMENT, SUBGRADE AT NO COST TO THE OWNER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN, AND IF NECESSARY, OFFSET UTILITY MARKINGS PROVIDED BY THE VILLAGE OF SCHAUMBURG.

BITUMINOUS SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL OTHER WORK IS COMPLETE (INCLUDING LANDSCAPING).

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE TRAFFIC CONTROL TO KEEP TRAFFIC OFF NEW SURFACE COURSE FROM THE TIME IT IS PLACED UNTIL 7:00 AM THE NEXT MORNING OR MAINTAINED WEEKEND SURFACE PLACEMENT SCHEDULE. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

ABSOLUTELY NO WATER SHALL BE DRAWN FROM VILLAGE HYDRANTS-THIS INCLUDES WATER FOR JETTING TRENCHES, SEWER INSERTION SLEEVES, AND ROLLERS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING WATER TRUCKS FOR THESE OPERATIONS.

QUANTITIES HAVE BEEN INCLUDED TO ADJUST ALL STRUCTURES IN THE PAVEMENT ON REHABILITATION STREETS. QUANTITIES HAVE ALSO BEEN INCLUDED TO REPLACE FRAMES AND LIDS. EXISTING FRAMES AND LIDS SHALL BE INSPECTED BY THE ENGINEER AND BE REPLACED AT HIS/HER DIRECTION. DISPOSAL OF EXISTING FRAME AND LID SHALL BE INCLUDED IN THE COST OF THE NEW FRAME AND LID.

ANY CUTS MADE INTO NEW BITUMINOUS SURFACE COURSE DUE TO DEFECTS IN WORKMANSHIP, MATERIAL, OR TO RE-ADJUST A STRUCTURE SHALL BE REPAIRED ACCORDING TO VILLAGE OF SCHAUMBURG STANDARD DETAIL - PAVEMENT CUT. THIS DETAIL IS INCLUDED IN THE PLANS. ALL COSTS TO COMPLETE THIS WORK SHALL BE CONTRACTOR'S RESPONSIBILITY.

ANY DEFECTS OF THE CONCRETE CURB & GUTTER AS IDENTIFIED BY THE RESIDENT ENGINEER SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE PRIOR TO PLACEMENT OF BITUMINOUS MATERIALS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT ALL CURB IS DEPRESSED AS INDICATED ON THE PLANS. (SEE IDOT STANDARD 424001)

AT THE END OF EACH DAY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL STREETS ADJACENT TO THE PROJECT ARE FREE OF ALL CONSTRUCTION RELATED DEBRIS INCLUDING DIRT, STONE, NAILS ETC. THIS WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF SCHAUMBURG.

THE CONTRACTOR SHALL COMPLETE ALL UTILITY WORK PRIOR TO PAVEMENT REMOVAL. THE CONTRACTOR SHALL ONLY REMOVE THE PORTION OF PAVEMENT NECESSARY TO INSTALL PROPOSED UTILITIES. PAVEMENT REMOVED FOR UTILITY WORK SHALL BE RESTORED AS INDICATED ON THE PLANS. ALL PAVEMENT REMOVED FOR UTILITY WORK MUST BE SAWCUT.

THE CONTRACTOR AND ENGINEER SHALL FIELD VERIFY ALL DRAINAGE STRUCTURES TO DETERMINE WHAT WORK IS REQUIRED AT EACH LOCATION.

PAVEMENT MARKINGS TO BE FIELD LOCATED BY ENGINEER.

REMOVAL OF ASPHALT ON CURB AND GUTTER SHALL BE INCLUDED TO THE UNIT PRICE CURB AND GUTTER REMOVAL.

CONTRACTOR SHALL NOT PLACE SOD UNTIL THE TEMPERATURE IS 80° OR LESS AND THE FORECAST FOR THE NEXT 7 DAYS SHOWS TEMPERATURES OF 80° OR LESS. IF ALL OTHER PAY ITEMS ARE COMPLETED, THE CONTRACTOR WILL NOT BE CHARGED WORKING DAYS FOR DELAYS IN PARKWAY RESTORATION DUE TO TEMPERATURE.

PAVEMENT REMOVAL IS ASSUMED TO BE 12 INCHES BASED ON REPORT PREPARED BY TSC (TESTING SERVICE CORPORATION), DATED - APRIL 22, 2002

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

3 METER (10 FEET) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIUM ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF SCHAUMBURG

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED- ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

ON STATE STANDARDS 482001 AND 483001 AGGREGATE SUBGRADE 300 MM (12") SHALL BE USED AS THE IMPROVED SUBGRADE. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE UNDER THE SHOULDER SHALL BE INCLUDED IN THE COST PER SQUARE METER (SQ YARD) OF "AGGREGATE SUBGRADE 300 MM (12)".

ALL STORM SEWER CONNECTIONS WITH PIPES 675 MM (27 INCHES) DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WHYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 675 MM (27 INCHES DIAMETER), OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WHYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWERS.

USE NO. 25 (#8) EPOXY-COATED TIE BARS CONFORMING TO ART. 1006.10(B)(2) OF THE STANDARD SPECIFICATIONS FOR LONGITUDINAL CONSTRUCTION JOINT GROUTED-IN-PLACE TIE BAR AS SHOWN ON STATE STANDARD 420001 AND FOR TYING PC CONCRETE WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE TIE BARS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 40 MM (1 1/2 INCHES) WHERE THE SPEED LIMIT IS 80 KM/H (45 MPH) OR LESS AND 25 MM (1 INCH) WHERE THE SPEED LIMIT IS GREATER THAN 80 /H (45 MPH). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 75 MM (3 INCHES) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

TYPE II BARRICADES WHEN USED FOR APPROACH TAPERS, AS INDICATED ON THE STATE STANDARDS OR SHOWN ON THE PLANS SHALL BE SAFETYCADE DIRECTION INDICATOR BARRICADES MANUFACTURED BY W.I. INDUSTRIES, INC. 880 N. ADDISON, P.O. BOX 7050, VILLAGE PARK, IL 60181-7050 OR EQUIVALENT. THE CONTRACTORS BID PRICES FOR TRAFFIC CONTROL ITEMS SHALL INCLUDE THE COST OF THESE BARRICADES.

☐ - INDICATES INCLUDED OR INCIDENTAL WORK



**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
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 Rosemont, Illinois 60018  
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CLIENT:



**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\WAL_G.NOTE.DET		

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CHKD.	JGS
SCALE:	NOT TO SCALE
DATE:	04/05/2005

TITLE:  
**WALNUT LANE RECONSTRUCTION**  
**GENERAL NOTES**  
**C-91-108-04**

PROJECT NO.	01-434
SHEET 3 OF 98	
DRAWING NO.	3

### SUMMARY OF QUANTITIES

SPECIALTY ITEM	ITEM	ITEMS	UNIT	TOTAL QUANTITY	1000-2A QUANTITY	Y031-1F QUANTITY
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	55	55	0
*	20101100	TREE TRUNK PROTECTION	EACH	215	215	0
*	20101200	TREE ROOT PRUNING	EACH	50	50	0
*	20101300	TREE PRUNING (1 TO 10 INCHES DIAMETER)	EACH	100	100	0
*	20200100	EARTH EXCAVATION	CU YD	12300	12300	0
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4265	4265	0
*	20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	1373	1373	0
*	20800150	TRENCH BACKFILL	CU YD	364.5	364.5	0
*	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3845	3845	0
*	21101615	FURNISH AND PLACE TOPSOIL, 4"	SQ YD	18169	18169	0
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	340	340	0
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	340	340	0
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	340	340	0
*	25002300	TEMPORARY SEEDING	ACRE	4	4	0
*	25200110	SODDING, SALT TOLERANT	SQ YD	18169	18169	0
*	25200200	SUPPLEMENTAL WATERING	UNIT	472	472	0
*	28000400	PERIMETER EROSION BARRIER	FOOT	411	411	0
*	28000510	INLET FILTERS	EACH	16	16	0
*	31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	95	95	0
*	35101400	AGGREGATE BASE COURSE, TYPE B	TON	550	550	0
*	35101800	AGGREGATE BASE COURSE, TYPE B, 6"	SQ YD	885	885	0
*	35102000	AGGREGATE BASE COURSE, TYPE B, 8"	SQ YD	38000	38000	0
*	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	1000	1000	0
*	40400100	BITUMINOUS MATERIAL (PRIME COAT)	GAL	7000	7000	0
*	40600300	AGGREGATE (PRIME COAT)	TON	75	75	0
*	40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	65	65	0
*	42000501	PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)	SQ YD	785	785	0
*	42001300	PROTECTIVE COAT	SQ YD	785	785	0
*	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	4100	4100	0
*	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	8000	8000	0
*	44000075	BITUMINOUS SURFACE REMOVAL (COLD MILLING)	SQ YD	2000	2000	0
*	44000100	PAVEMENT REMOVAL	SQ YD	32800	32800	0
*	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	4440	4440	0
*	44000500	COMBINATION CONCRETE CURB & GUTTER REMOVAL	FOOT	15450	15450	0
*	44000600	SIDEWALK REMOVAL	SQ FT	7900	7900	0
*	44201359	CLASS C PATCHES, TYPE 4, 10"	SQ YD	75	75	0
*	55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	471	471	0
*	55019600	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 15"	FOOT	52	52	0
*	55021600	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 12"	FOOT	39	39	0
*	55100500	STORM SEWER REMOVAL 12"	FOOT	336	336	0
*	55100900	STORM SEWER REMOVAL 18"	FOOT	53	53	0
*	55101200	STORM SEWER REMOVAL 24"	FOOT	142	142	0
*	56106300	ADJUSTING WATER MAIN 6"	FOOT	100	100	0
*	56106600	ADJUSTING WATER MAIN 12"	FOOT	200	200	0
*	56300100	ADJUSTING SANITARY SEWERS, 8-INCH DIAMETER OR LESS	FOOT	200	200	0
*	56300300	ADJUSTING WATER SERVICE LINES	FOOT	100	100	0
*	56400100	FIRE HYDRANTS TO BE MOVED	EACH	2	2	0
*	60107700	PIPE UNDERDRAINS 6"	FOOT	151	151	0
*	60201330	CATCH BASINS, TYPE A, 4' - DIAMETER, TYPE 23 FRAME AND GRATE	EACH	19	19	0
*	60205030	CATCH BASINS, TYPE A, 5' - DIAMETER, TYPE 23 FRAME AND GRATE	EACH	1	1	0
*	60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	5	5	0
*	60208230	CATCH BASINS, TYPE C, TYPE 23 FRAME AND GRATE	EACH	6	6	0
*	60218400	MANHOLES, TYPE A, 4' - DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	0
*	60221100	MANHOLES, TYPE A, 5' - DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0
*	60223500	MANHOLES, TYPE A, 5' - DIAMETER, TYPE 8 GRATE	EACH	1	1	0
*	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1	0
*	60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	18	18	0
*	60250200	CATCH BASIN TO BE ADJUSTED	EACH	13	13	0
*	60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1	0
*	60255500	MANHOLES TO BE ADJUSTED	EACH	12	12	0
*	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1	0
*	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	15	15	0
*	60500040	REMOVING MANHOLES	EACH	1	1	0
*	60500060	REMOVING INLETS	EACH	27	27	0
*	60604400	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18	FOOT	15450	15450	0
*	67000400	ENGINEERS FIELD OFFICE, TYPE A	CAL MO	12	12	0
*	67100100	MOBILIZATION	L SUM	1	1	0
*	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LS	1	1	0
*	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LS	1	1	0
*	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LS	1	1	0
*	70300210	TEMPORARY PAVEMENT MARKINGS - LETTERS AND SYBOLS	SQ FT	219	219	0
*	70300220	TEMPORARY PAVEMENT MARKINGS - LINE 4"	FOOT	1650	1650	0
*	70300240	TEMPORARY PAVEMENT MARKINGS - LINE 6"	FOOT	850	850	0
*	70300280	TEMPORARY PAVEMENT MARKINGS - LINE 24"	FOOT	76	76	0
*	72000100	SIGN PANEL - TYPE 1	SQ FT	108	78	30
*	72000200	SIGN PANEL - TYPE 2	SQ FT	30	0	30
*	72900100	METAL POST - TYPE A	FOOT	301	301	0
*	72900200	METAL POST - TYPE B	FOOT	26	26	0
*	78000100	THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	219	219	0
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	2200	2200	0
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1750	1750	0
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	725	725	0
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	100	100	0
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	210	210	0
*	81000500	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	643	0	643
*	81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	163	0	163
*	81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	256	0	256
*	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	64	0	64
*	81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	28	0	28
*	81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	191	0	191

\* SPECIALTY ITEMS



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DWN.	GS
CHKD.	JGS
SCALE:	NOT TO SCALE
DATE:	04/05/2005

TITLE:

**WALNUT LANE RECONSTRUCTION**  
**SUMMARY OF QUANTITIES**  
**C-91-108-04**

PROJECT NO.

01-434

SHEET 4 OF 98

DRAWING NO.

4

## SUMMARY OF QUANTITIES

SPECIALTY ITEM	ITEM	ITEMS	UNIT	TOTAL QUANTITY	I000-2A QUANTITY	Y031-1F QUANTITY
*	81400100	HANDHOLE	EACH	4	0	4
*	81400200	HEAVY-DUTY HANDHOLE	EACH	4	0	4
*	81400300	DOUBLE HANDHOLE	EACH	2	0	2
*	81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1062	0	1062
*	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2	0	2
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	0	2
*	85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	0	1
*	86400100	TRANSCEIVER - FIBER OPTIC	EACH	1	0	1
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	899	0	899
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1702	0	1702
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2184	0	2184
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1112	0	1112
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2631	0	2631
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	35	0	35
*	87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1	0	1
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3	0	3
*	87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1	0	1
*	87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1	0	1
*	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1	0	1
*	87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	0	1
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	0	16
*	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4	0	4
*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	60	0	60
*	87900200	DRILL EXISTING HANDHOLE	EACH	1	0	1
*	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8	0	8
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	11	0	11
*	88600100	DETECTOR LOOP, TYPE 1	FOOT	780	0	780
*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	5	0	5
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	0	1
*	89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2	0	2
*	89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1	0	1
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	10828	0	10828
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	0	1
*	89502380	REMOVE EXISTING HANDHOLE	EACH	9	0	9
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	0	9
*	X0322033	STORM SEWER (WATER MAIN REQUIREMENTS), 12"	FOOT	425	425	0
*	X0322034	STORM SEWER (WATER MAIN REQUIREMENTS), 15"	FOOT	42	42	0
*	X0322035	STORM SEWER (WATER MAIN REQUIREMENTS), 18"	FOOT	94	94	0
*	X0322125	STORM SEWER (WATER MAIN REQUIREMENTS), 24"	FOOT	66	66	0
*	X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	5598	0	5598
*	X0323426	SEDIMENT CONTROL DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	16	16	0
*	X4066418	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N90	TON	4165	4165	0
*	X4066614	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N50	TON	13300	13300	0
*	X4067100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	180	180	0
*	X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	6	6	0
*	X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	0	1
*	X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	5664	0	5664
*	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	829	0	829
*	X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	399	0	399
*	X8800020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	5	0	5
*	X8800045	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3	0	3
*	X8800060	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	0	1
*	X8805280	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION BRACKET MOUNTED	EACH	3	0	3
*	X8810610	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2	0	2
*	X8810620	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	3	0	3
*	XX002267	MEDIAN REMOVAL AND REPLACEMENT	SQ FT	272	0	272
*	XX002856	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1	0	1
*	XX003404	TEMPORARY PAVEMENT, 8"	SQ YD	450	450	0
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	0
Δ	Z0076600	TRAINEES	HOUR	1000	1000	0
*	XX005553	CLASS D PATCHES (SPECIAL) 6-INCHES, SUPERPAVE	SQ YD	250	250	0
*	YX006197	PAVER FIELDS	SQ YD	245	245	0

\* SPECIALTY ITEMS  
Δ Y080



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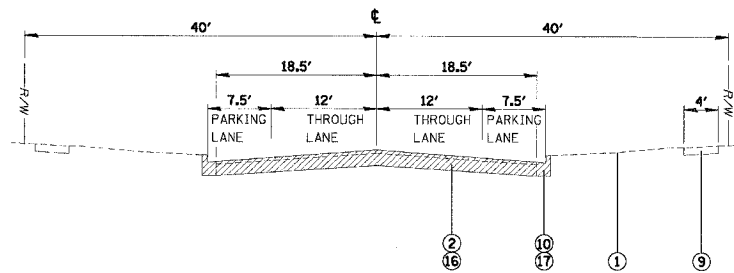
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TITLE: **WALNUT LANE RECONSTRUCTION**  
**SUMMARY OF QUANTITIES**  
**C-91-108-04**

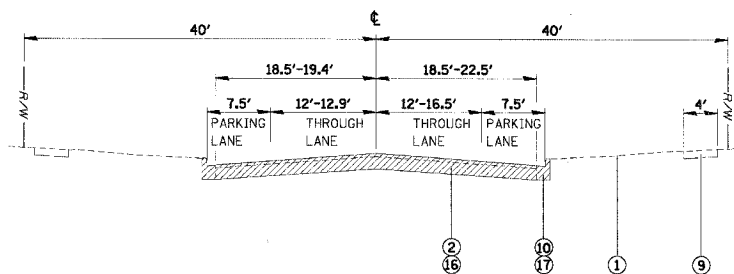
PROJECT NO.  
01-434  
SHEET 5 OF 98  
DRAWING NO.  
5

CONTRACT No. 83799

DESIGN DESIGNATION - LOCAL COLLECTOR  
 STRUCTURAL DESIGN TRAFFIC: YEAR 2025  
 PV= 3040 SU= 128 MU= 32  
 ROADSTREET CLASSIFICATION: CLASS II  
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:  
 P= 95% S= 4% M= 1%  
 TRAFFIC FACTOR: MINIMUM TF= 0.27 ACTUAL TF= 0.85  
 SUBGRADE SUPPORT RATING:  
 SSR= FAIR (ENTIRE PROJECT)



EXISTING TYPICAL SECTION  
 STA. 6+01.08 TO STA. 9+67.90  
 STA. 14+30 TO STA. 81+17.72



EXISTING TYPICAL SECTION  
 STA. 10+32.34 TO STA. 14+30

LEGEND

- 1 EXISTING GROUND LINE
- 2 EXISTING PAVEMENT - 12" THICKNESS (6" ASPHALT, 6" STONE)
- 3 AGGREGATE BASE COURSE, TYPE B, 8"
- 4 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N90 (2")
- 5 BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50 (7")
- 6 COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- 7 TOPSOIL FURNISH AND PLACE 4"
- 8 POROUS GRANULAR EMBANKMENT, SUBGRADE (AS REQUIRED)
- 9 EXISTING SIDEWALK
- 10 EXISTING CURB & GUTTER
- 11 EXISTING SUBGRADE TO REMAIN (VAR. DEPTH)
- 12 EXISTING CURB & GUTTER TO REMAIN
- 13 POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50 (0C/QA) (1.0" & VARIES)
- 14 SODDING, SALT TOLERANT
- 15 BITUMINOUS SURFACE REMOVAL - 3"
- 16 PAVEMENT REMOVAL
- 17 COMBINATION CURB AND GUTTER REMOVAL
- 18 PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
- 19 SUB-BASE GRANULAR, TYPE B, 6"
- 20 No. 8 DOWEL BARS @ 24" ON CENTER (INCLUDED IN THE COST OF ADJACENT PAVEMENT)

\* ITEM #5 (BITUMINOUS CONCRETE BINDER COURSE) SHALL BE PLACED IN LAYERS (2 1/4" TO 3" THICKNESS PER LAYER)

	EARTH EXC. CU YD	UNDERCUT AND PGE CU YD	EMBANKM. CU YD	EARTH. ** SHRINKAGE CU YD	BALANCE * CU YD
TOTAL	15327.5	1373	937	13028	12091

\* EARTHWORK BALANCE WASTE (+) SHORTAGE (-)  
 \*\* EARTH EXCAVATION (FILL) ADJUSTED FOR SHRINKAGE 15%

BITUMINOUS MIXTURE REQUIREMENT

ITEM	AC TYPE	VOIDS	RAP%
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N90	PG 64-22	4 1/2 @ 50 GYR	15%
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50	PG 58-22	4 1/2 @ 50 GYR	25%
POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	SBS/SBR PG 76-28	2.5 % @ 50 GYR	0%
CLASS D PATCHES (SPECIAL) 6-INCHES, SUPERPAVE, IL-19.0	PG 64-22	4 1/2 @ 70 GYR	15%
BITUMINOUS DRIVEWAY PAVEMENT, SUPERPAVE, 3", MIX "C", N50	PG 64-22	4 1/2 @ 50 GYR	15%

THE UNIT WEIGHT USE TO CALCULATE ALL BITUMINOUS SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

SOILS NOTE:

POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED 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.

STA. TO STA.	ESTIMATED UNDERCUT
26+50 TO 29+40	12"
44+20 TO 47+20	12"
77+70 TO 80+20	12"

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 Rosemont, Illinois 60018  
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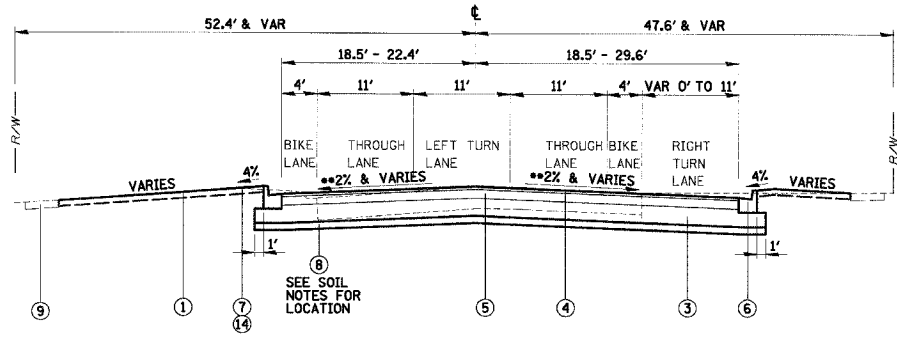
CLIENT: **VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
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DSGN.	GS		
DWN.	GS		
CHKD.	JGS		
SCALE:	NOT TO SCALE		
DATE:	04/05/2005		

TITLE: **EXISTING TYPICAL SECTIONS**  
**C-91-108-04**  
 PROJECT NO. 01-434  
 SHEET 6 OF 98  
 DRAWING NO. 6

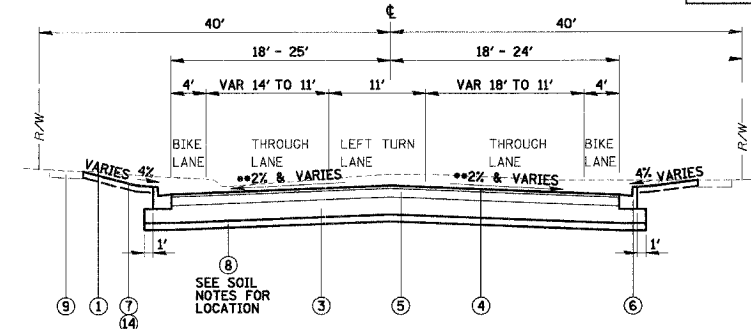
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	7
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT No. 83799

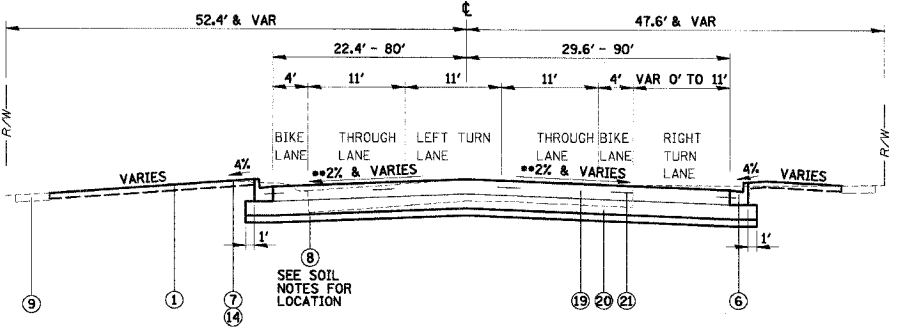


PROPOSED TYPICAL SECTION  
STA. 6+01.08 TO 9+15.07

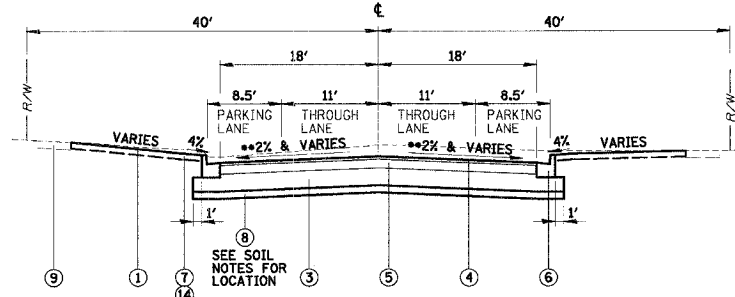
**\*\*SE INFORMATION**  
WALNUT LANE  
TRANS FROM 2.0% NC TO 2.0% SE STA. 11+08 TO STA. 11+99  
2.0% SE STA. 11+99 TO STA. 15+60  
TRANS FROM 2.0% SE TO 2.0% NC STA. 15+60 TO STA. 16+51  
TRANS FROM 2.0% NC TO 2.0% SE STA. 36+88 TO STA. 37+79  
2.0% SE STA. 37+79 TO STA. 40+38  
TRANS FROM 2.0% SE TO 2.0% NC STA. 40+38 TO STA. 41+29  
TRANS FROM 2.0% NC TO 2.0% SE STA. 49+86 TO STA. 50+77  
2.0% SE STA. 50+77 TO STA. 53+37  
TRANS FROM 2.0% SE TO 2.0% NC STA. 53+37 TO STA. 54+28  
TRANS FROM 2.0% NC TO 2.0% SE STA. 69+66 TO STA. 70+47  
2.0% SE STA. 70+47 TO STA. 72+63  
TRANS FROM 2.0% SE TO 2.0% NC STA. 72+63 TO STA. 73+54



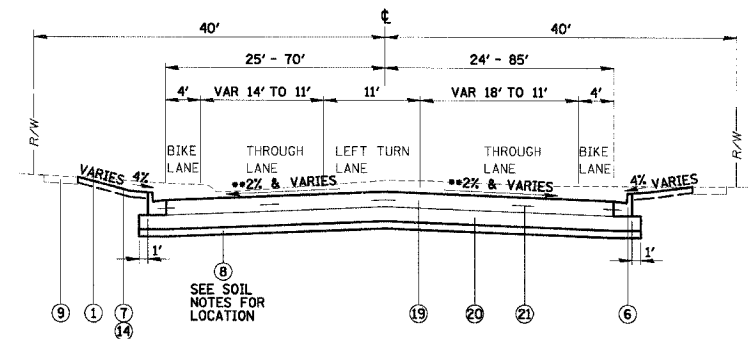
PROPOSED TYPICAL SECTION  
STA. 10+85 TO 14+11.82



PROPOSED TYPICAL SECTION  
STA. 9+15.07 TO 9+67.90



PROPOSED TYPICAL SECTION  
STA. 14+11.82 TO STA. 81+17.72



PROPOSED TYPICAL SECTION  
STA. 10+32.34 TO 10+85

**LEGEND**

- 1 EXISTING GROUND LINE
- 2 EXISTING PAVEMENT - 12" THICKNESS (6" ASPHALT, 6" STONE)
- 3 AGGREGATE BASE COURSE, TYPE B, 8"
- 4 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N90 (2")
- 5 BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50 (7") \*
- 6 COMBINATION CONCRETE CURB & GUTTER, TYPE B-6J8
- 7 TOPSOIL FURNISH AND PLACE 4"
- 8 POROUS GRANULAR EMBANKMENT, SUBGRADE (AS REQUIRED)
- 9 EXISTING SIDEWALK
- 10 EXISTING CURB & GUTTER
- 11 EXISTING SUBGRADE TO REMAIN (VAR. DEPTH)
- 12 EXISTING CURB & GUTTER TO REMAIN
- 13 POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50 (1.0" & VARIES)
- 14 SODDING, SALT TOLERANT
- 15 BITUMINOUS SURFACE REMOVAL - 3"
- 16 PAVEMENT REMOVAL
- 17 COMBINATION CURB AND GUTTER REMOVAL
- 19 PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
- 20 SUB-BASE GRANULAR, TYPE B, 6"
- 21 No. 8 DOWEL BARS @ 24" ON CENTER (INCLUDED IN THE COST OF ADJACENT PAVEMENT)

\* ITEM #5 (BITUMINOUS CONCRETE BINDER COURSE) SHALL BE PLACED IN LAYERS (2 1/4" TO 3" THICKNESS PER LAYER)

DESIGN DESIGNATION - LOCAL COLLECTOR

STRUCTURAL DESIGN TRAFFIC:	YEAR 2025
PV= 3040	SU= 128 MU= 32
ROADSTREET CLASSIFICATION:	CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P= 95%	S= 4%	M= 1%
--------	-------	-------

TRAFFIC FACTOR: MINIMUM TF= 0.27 ACTUAL TF= 0.85

SUBGRADE SUPPORT RATING: SSR= FAIR (ENTIRE PROJECT)

**BITUMINOUS MIXTURE REQUIREMENT**

ITEM	AC TYPE	VOIDS	RAP%
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N90	PG 64-22	4 1/2 @ 50 GYR	15%
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50	PG 58-22	4 1/2 @ 50 GYR	25%
POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	SBS/SBR PG 76-28	2.5 1/2 @ 50 GYR	0%
CLASS D PATCHES (SPECIAL) 6-INCHES, SUPERPAVE, IL-19.0	PG 64-22	4 1/2 @ 70 GYR	15%
BITUMINOUS DRIVEWAY PAVEMENT, SUPERPAVE, 3", MIX "C", N50	PG 64-22	4 1/2 @ 50 GYR	15%

THE UNIT WEIGHT USE TO CALCULATE ALL BITUMINOUS SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

**SOILS NOTE:**

POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES 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 PGES 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.

STA. TO STA.	ESTIMATED UNDERCUT
26+50 TO 29+40	12"
44+20 TO 47+20	12"
77+70 TO 80+20	12"

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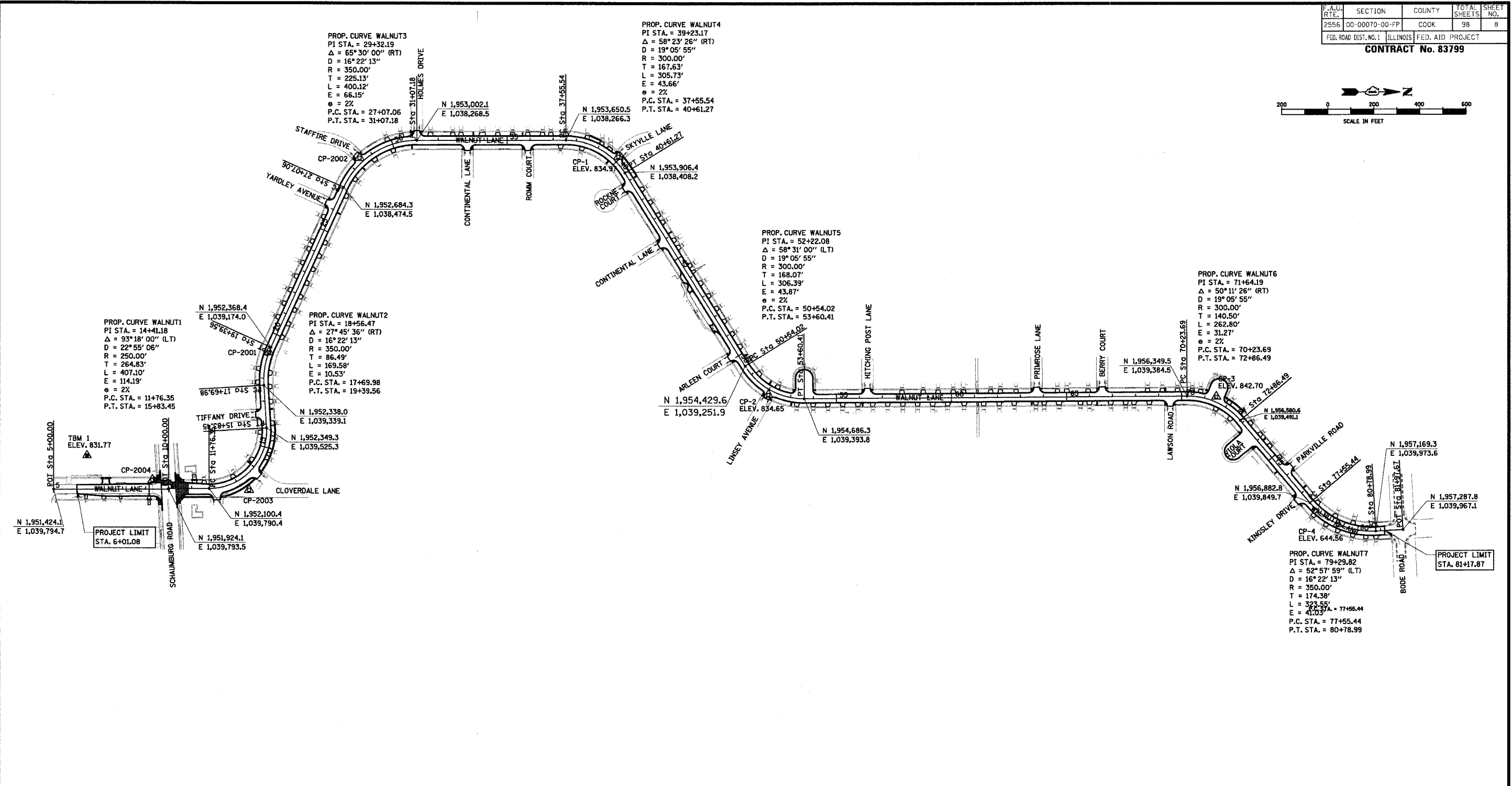
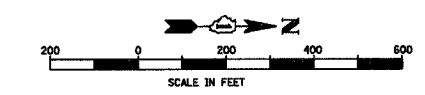
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DWN.	GS		
CHKD.	JGS		
SCALE:	NOT TO SCALE		
DATE:	04/06/2005		

TITLE: **PROPOSED TYPICAL SECTIONS**  
**C-91-108-04**

PROJECT NO. 01-434  
SHEET 7 OF 98  
DRAWING NO. 7

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-PP	COOK	98	8
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT No. 83799



HORIZONTAL CONTROL						
NO.	NORTHING	EASTING	ELEV.	DESCR.	STATION	OFFSET
CP-2001	1952359.6	1039195.5	830.83	CP-PK	19+16.26	0.04 RT
CP-2002	1952753.1	1038345.0	830.39	CP-PK	28+49.09	20.8 LT
CP-2003	1952273.6	1039795.8	836.77	CP-IP	13+25.05	59.0 RT
CP-2004	1951853.7	1039754.1	835.79	CP-PK	9+29.74	39.6 LT
CP-1	1953878.1	1038337.5	834.97	CP-PK	39+90.74	22.1 LT
CP-2	1954530.2	1039377.1	834.65	CP-PK	52+08.99	22.6 RT
CP-3	1956476.4	1039387.1	842.70	CP-PK	71+44.96	22.7 RT
CP-4	1957004.2	1039942.8	844.56	CP-PK	79+09.51	0.67 RT

ELEVATION BENCHMARKS		
DATUM: NGVD OF 1929		
NO.	DESCRIPTION	ELEV.
TBM 1	CHISEL BOX CUT ON SW CORNER OF CONC. LIGHT POLE	831.77
	IN CENTER OF PARKING LOT OF SALEM KOREAN V.M.C. CHURCH	
CP-1	PK NAIL IN WALNUT LANE @ 39+90.74 OFFSET 22.1 LT	834.97
CP-2	PK NAIL IN WALNUT LANE @ 52+08.99 OFFSET 22.6 RT	834.65
CP-3	PK NAIL IN WALNUT LANE @ 71+44.96 OFFSET 22.7 LT	842.70
CP-4	PK NAIL IN WALNUT LANE @ 79+09.51 OFFSET 0.67 RT	844.56

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 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

DSGN.	GS	DATE:	04/05/2005
DWN.	GS		
CHKD.	JGS		
SCALE:	1"=200'		
NO. DATE	NATURE OF REVISION		CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\PRO01434_BNH.BNH		

TITLE: **ALIGNMENT, TIES AND BENCHMARKS C-91-108-04**

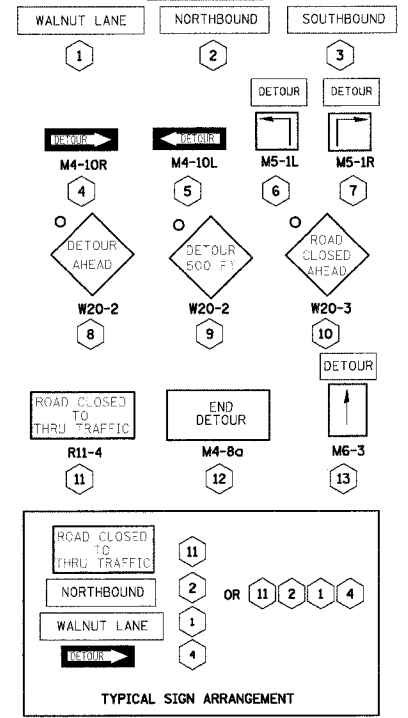
PROJECT NO.	01-434
SHEET 8 OF 98	
DRAWING NO.	8



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-0070-00-FP	COOK	98	9
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT No. 83799

**SIGN LEGEND**



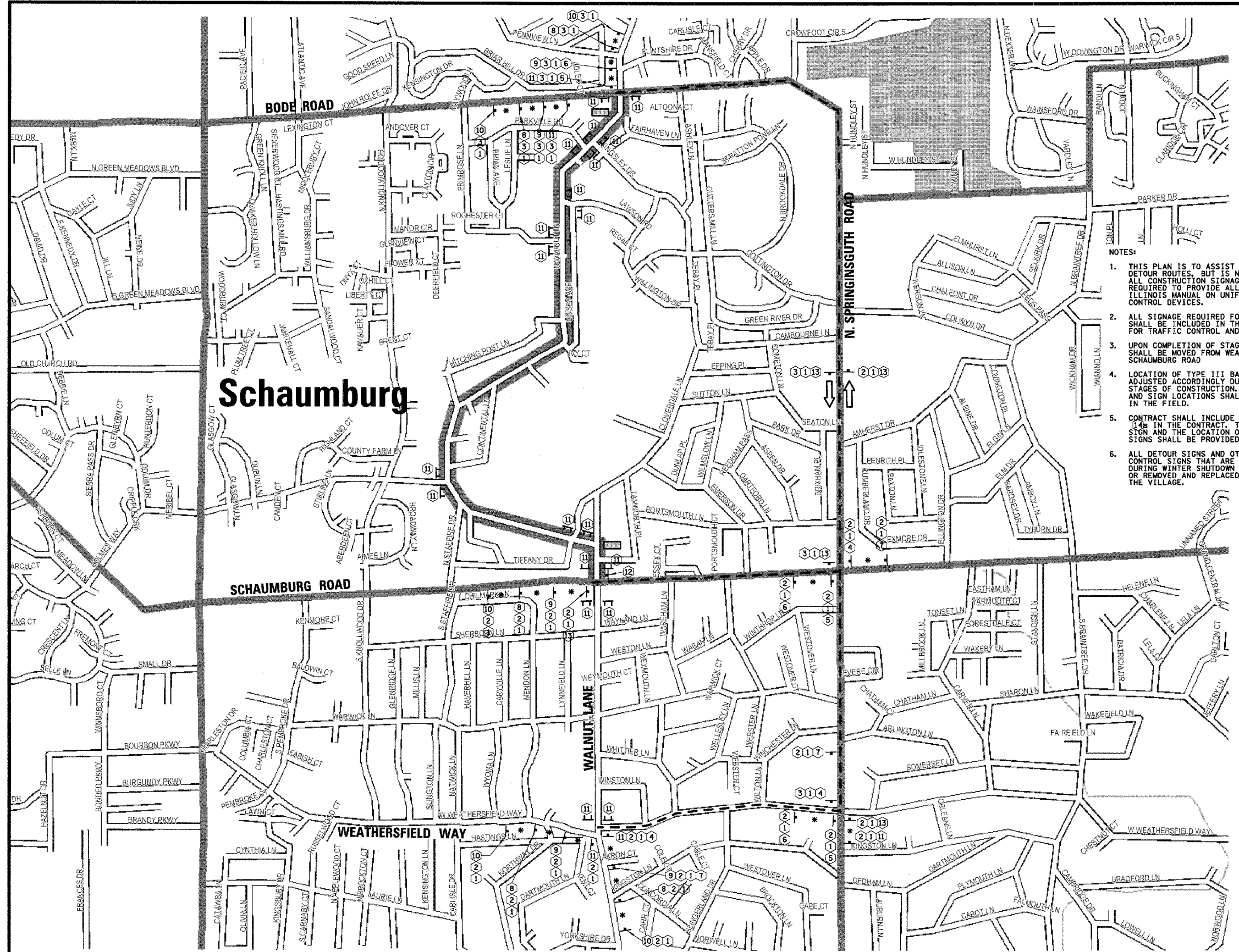
- NOTES:**
- THIS PLAN IS TO ASSIST THE CONTRACTOR WITH DETOUR ROUTES, BUT IS NOT INTENDED TO SHOW ALL CONSTRUCTION SIGNAGE. CONTRACTOR IS REQUIRED TO PROVIDE ALL SIGNAGE PER THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
  - ALL SIGNAGE REQUIRED FOR THE DETOUR PLAN SHALL BE INCLUDED IN THE PAY ITEM(S) FOR TRAFFIC CONTROL AND PROTECTION.
  - UPON COMPLETION OF STAGE I DETOUR ROUTE SHALL BE MOVED FROM WEATHERSFIELD TO SCHAUMBURG ROAD
  - LOCATION OF TYPE III BARRICADES SHALL BE ADJUSTED ACCORDINGLY DURING DIFFERENT STAGES OF CONSTRUCTION. ACTUAL BARRICADE AND SIGN LOCATIONS SHALL BE DETERMINED IN THE FIELD.
  - CONTRACT SHALL INCLUDE FOUR SIGN NUMBER (14) IN THE CONTRACT. THE DATE ON THE SIGN AND THE LOCATION OF THESE FOUR SIGNS SHALL BE PROVIDED BY THE VILLAGE.
  - ALL DETOUR SIGNS AND OTHER TRAFFIC CONTROL SIGNS THAT ARE NOT APPLICABLE DURING WINTER SHUTDOWN SHALL BE BAGGED OR REMOVED AND REPLACED AT NO COST TO THE VILLAGE.

WALNUT LANE TO BE CLOSED TO THRU TRAFFIC BEGINNING "DATE"  
 14 = SEE NOTE 5

- LEGEND**
- DETOURED ROUTE
  - 1 TYPE III BARRICADES (PER IDOT STANDARD 702001)
  - DIRECTION OF DETOURED TRAFFIC
  - ↑ DETOUR SIGN
  - \* 500' SPACING BETWEEN SIGNS (OR AS DIRECTED BY THE ENGINEER)
  - CHANGEABLE MESSAGE SIGN
  - YELLOW FLASHING BEACON

**CONSTRUCTION STAGING**

- THIS PROJECT WILL BE CONSTRUCTED IN STAGES.
- STAGE I: INTERMEDIATE COMPLETION DATE NOVEMBER 15, 2005 SOUTH LIMIT TO STA. 20+00, ALL TRAFFIC SIGNAL WORK, TEMPORARY STRIPING AT SCHAUMBURG INTERSECTION AND ALL UNDERGROUND WORK FOR THE ENTIRE JOB WITH TEMPORARY PATCHES (STORM SEWER, WATER MAIN ADJUSTMENTS, ETC).
  - STAGE II: INTERMEDIATE COMPLETION DATE MAY 31, 2006 STA. 20+00 TO STA. 34+00
  - STAGE III: INTERMEDIATE COMPLETION DATE JUNE 30, 2006 STA. 34+00 TO STA. 48+00
  - STAGE IV: INTERMEDIATE COMPLETION DATE JULY 31, 2006 STA. 48+00 TO STA. 66+50
  - STAGE V: INTERMEDIATE COMPLETION DATE AUGUST 31, 2006 STA. 66+50 TO STA. 81+17.22
  - STAGE VI: FINAL COMPLETION DATE SEPTEMBER 30, 2006 FINAL SURFACE COURSE, STRIPING, SIGNING, RAISED REFLECTORS FOR STAGES II THROUGH V, PARKWAY RESTORATION AND ALL PUNCH LIST ITEMS FOR STAGES I THROUGH V.
- STAGES I THROUGH V SHALL INCLUDE ALL CURBS, DRIVEWAYS, SIDEWALKS, PAVEMENT UP TO BINDER, AND TEMPORARY SEEDING OF PARKWAYS. STAGE I WILL ALSO INCLUDE FINAL SURFACE COURSE AND TEMPORARY STRIPING.
- IF A STAGE IS COMPLETED AHEAD OF SCHEDULE, THE NEXT PHASE SHALL BEGIN IMMEDIATELY AND SHALL BE COMPLETED WITHIN ONE MONTH.



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 Engineering Department  
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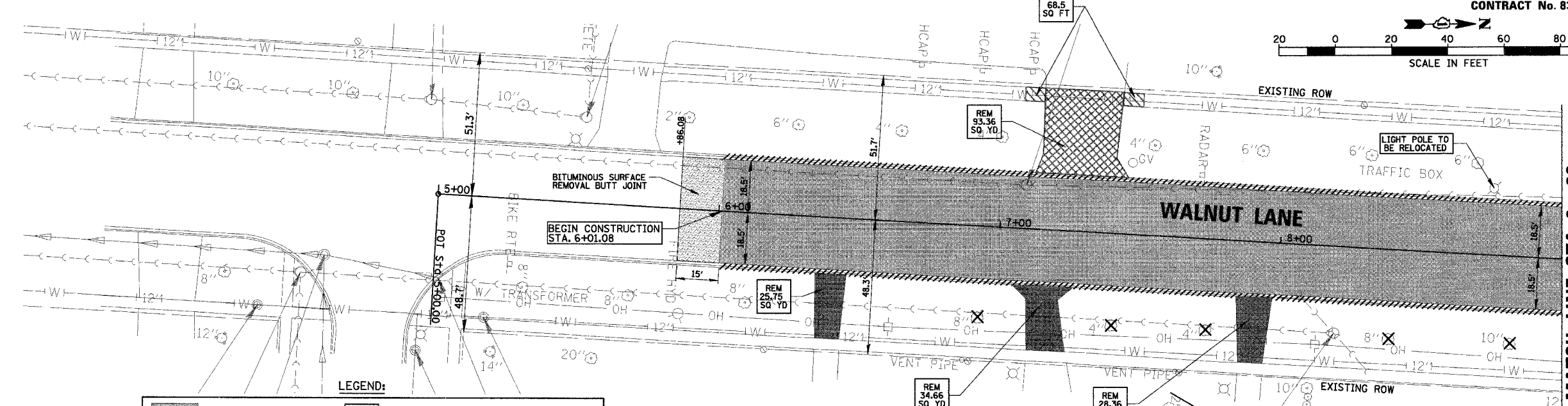
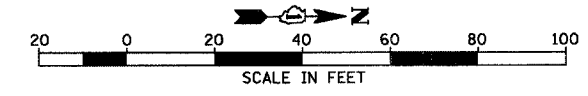
NO.	DATE	NATURE OF REVISION	CHKD.
1	04/05/2005	N:\SCHAUMBURG\01-434\DESIGN\DETOUR_WALN.MOT	

**DETOUR PLAN & CONSTRUCTION STAGING**  
**WALNUT LANE**  
**C-91-108-04**

PROJECT NO.	01-434
SHEET	9 OF 98
DRAWING NO.	9

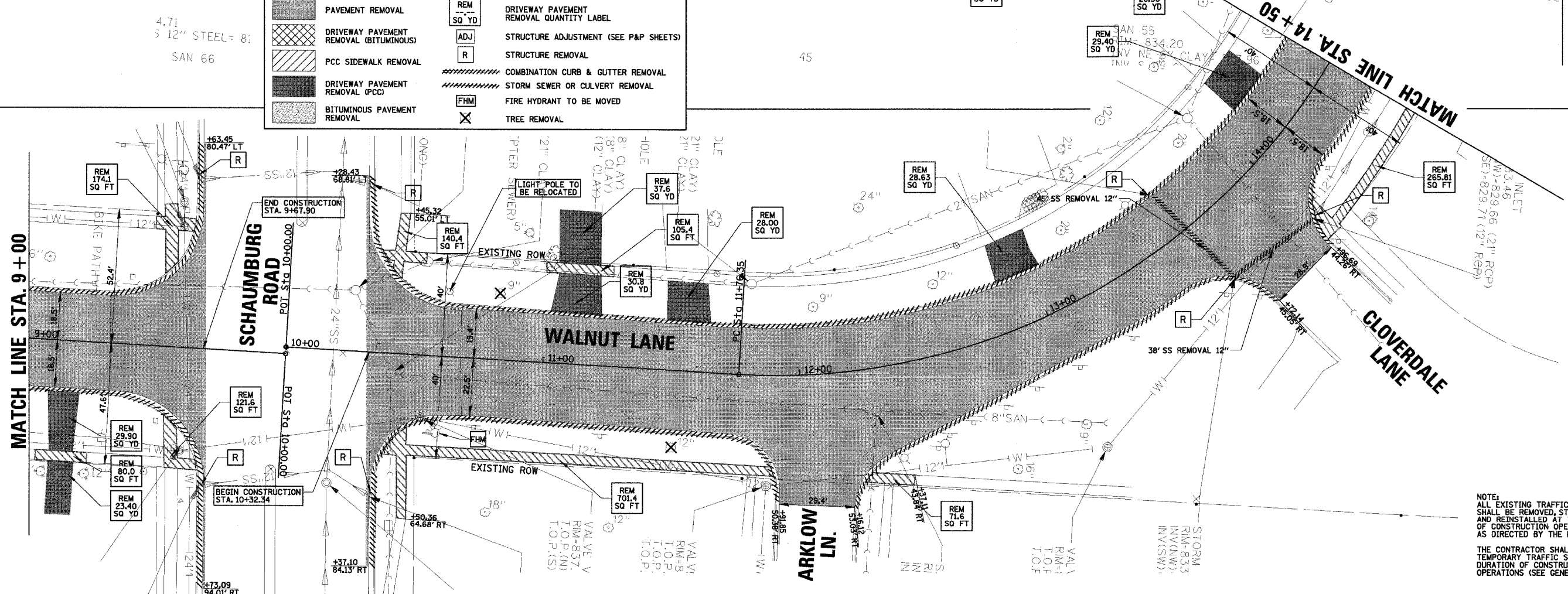
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	10
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT No. 83799



LEGEND:

[Pattern]	PAVEMENT REMOVAL	[REM]	DRIVEWAY PAVEMENT REMOVAL QUANTITY LABEL
[Pattern]	DRIVEWAY PAVEMENT REMOVAL (BITUMINOUS)	[ADJ]	STRUCTURE ADJUSTMENT (SEE P&P SHEETS)
[Pattern]	PCC SIDEWALK REMOVAL	[R]	STRUCTURE REMOVAL
[Pattern]	DRIVEWAY PAVEMENT REMOVAL (PCC)	[Hatched]	COMBINATION CURB & GUTTER REMOVAL
[Pattern]	BITUMINOUS PAVEMENT REMOVAL	[Hatched]	STORM SEWER OR CULVERT REMOVAL
[Symbol]		[FHM]	FIRE HYDRANT TO BE MOVED
[Symbol]		[X]	TREE REMOVAL



NOTE:  
ALL EXISTING TRAFFIC SIGNS SHALL BE REMOVED, STORED AND REINSTALLED AT THE END OF CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER.  
THE CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC SIGNS FOR THE DURATION OF CONSTRUCTION OPERATIONS (SEE GENERAL NOTES)

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NO.	DATE	NATURE OF REVISION	CHKD.
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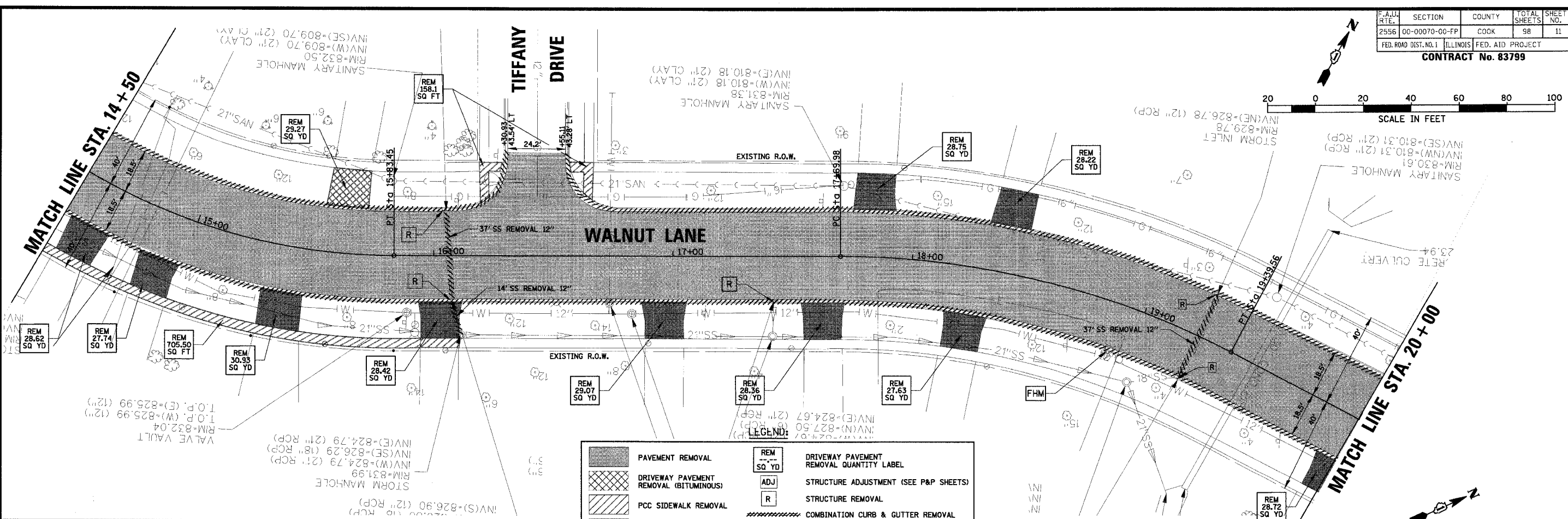
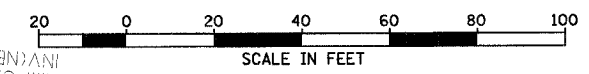
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DWN. GS  
CHKD. JGS  
SCALE: 1" = 20'  
DATE: 04/05/2005

TITLE: **EXISTING CONDITIONS AND REMOVAL PLAN**  
C-91-108-04

PROJECT NO. 01-434  
SHEET 10 OF 98  
DRAWING NO. 10

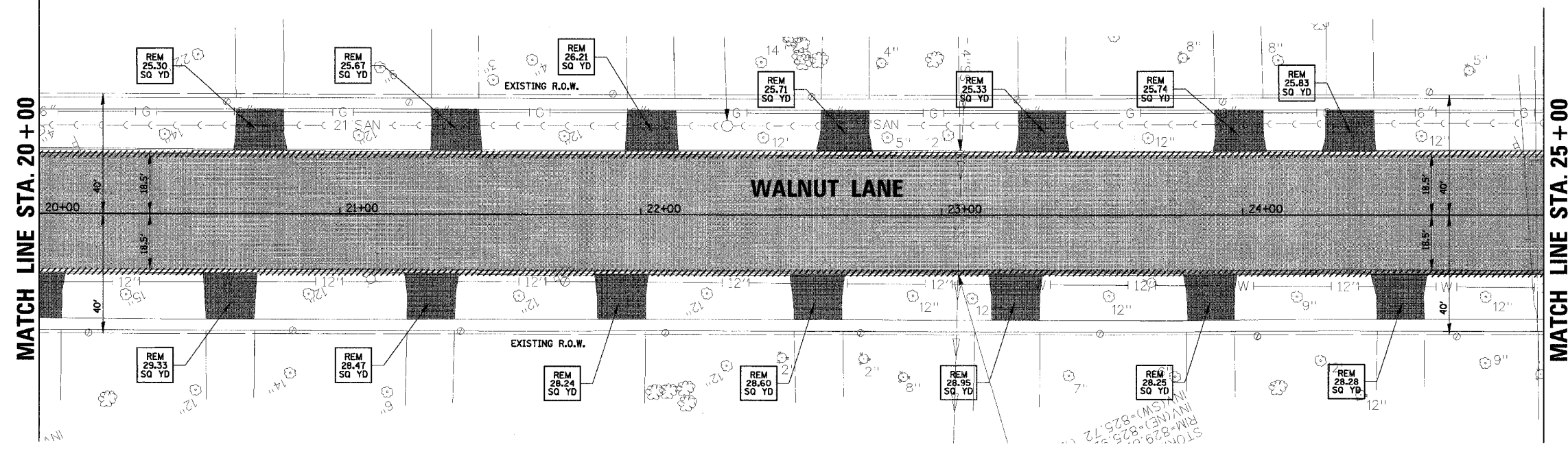
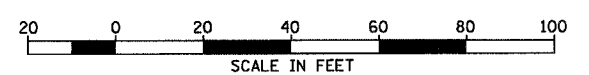
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	11
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 83799



**LEGEND:**

[Hatched Box]	PAVEMENT REMOVAL	[REM Box]	DRIVEWAY PAVEMENT REMOVAL QUANTITY LABEL
[Cross-hatched Box]	DRIVEWAY PAVEMENT REMOVAL (BITUMINOUS)	[ADJ Box]	STRUCTURE ADJUSTMENT (SEE P&P SHEETS)
[Diagonal Hatched Box]	PCC SIDEWALK REMOVAL	[R Box]	STRUCTURE REMOVAL
[Solid Grey Box]	DRIVEWAY PAVEMENT REMOVAL (PCC)	[Hatched Line]	COMBINATION CURB & GUTTER REMOVAL
[Stippled Box]	BITUMINOUS PAVEMENT REMOVAL	[Hatched Line]	STORM SEWER OR CULVERT REMOVAL
		[FHM Box]	FIRE HYDRANT TO BE MOVED
		[X Box]	TREE REMOVAL



NOTE:  
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NO.	DATE	NATURE OF REVISION	CHKD.
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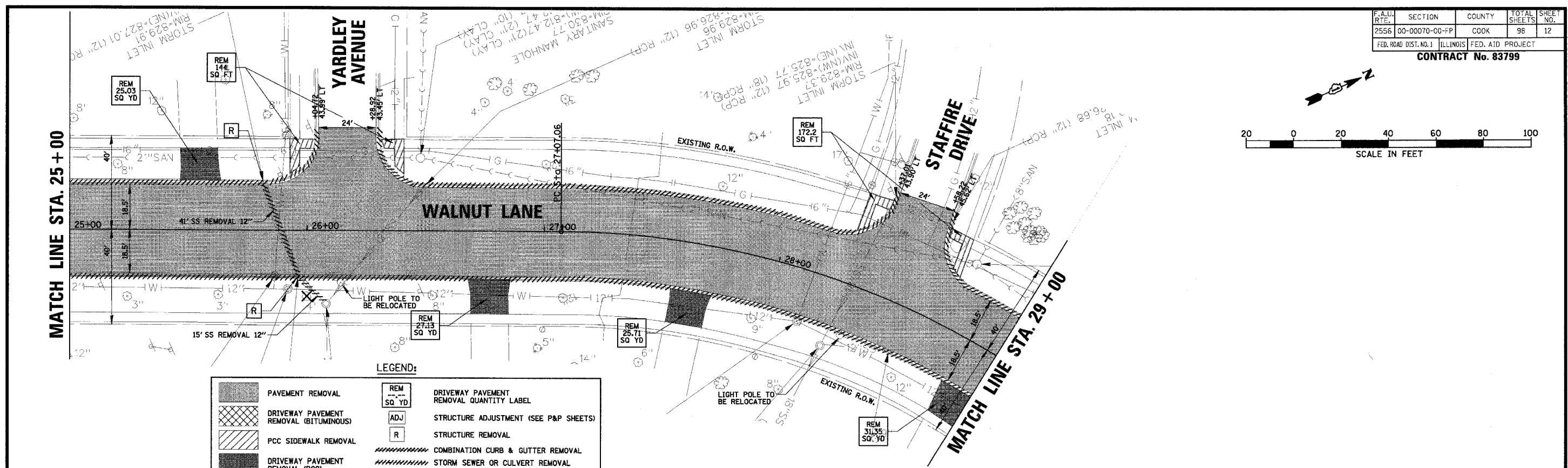
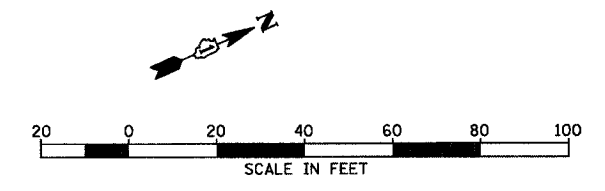
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CHKD.	JGS
SCALE:	1" = 20'
DATE:	04/05/2005

TITLE: **EXISTING CONDITIONS AND REMOVAL PLAN**  
C-91-108-04

PROJECT NO. 01-434  
SHEET 11 OF 98  
DRAWING NO. 11

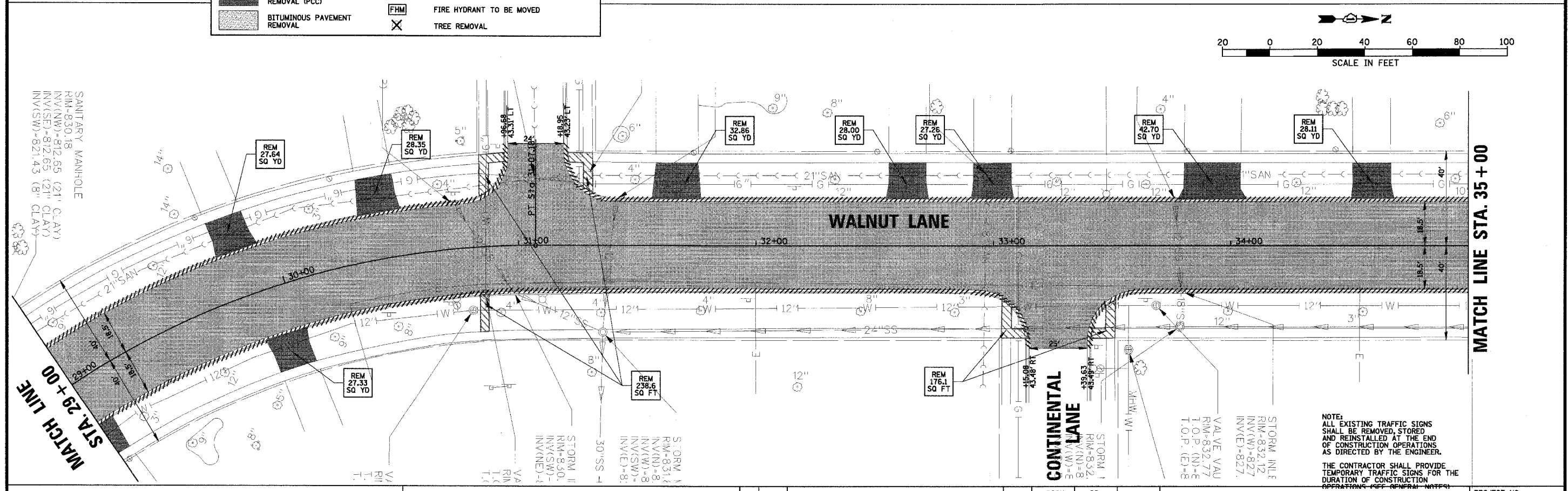
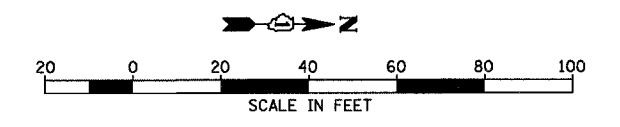
F.A.U. SECTION	COUNTY	TOTAL SHEET NO.
2556 00-00070-00-PP	COOK	96 12
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT

CONTRACT No. 83799



LEGEND:

[Hatched Box]	PAVEMENT REMOVAL	[REM Box]	DRIVEWAY PAVEMENT REMOVAL QUANTITY LABEL
[Cross-hatched Box]	DRIVEWAY PAVEMENT REMOVAL (BITUMINOUS)	[ADJ Box]	STRUCTURE ADJUSTMENT (SEE P&P SHEETS)
[Diagonal Hatched Box]	PCC SIDEWALK REMOVAL	[R Box]	STRUCTURE REMOVAL
[Dotted Box]	DRIVEWAY PAVEMENT REMOVAL (PCC)	[Hatched Line]	COMBINATION CURB & GUTTER REMOVAL
[Stippled Box]	BITUMINOUS PAVEMENT REMOVAL	[Hatched Line]	STORM SEWER OR CULVERT REMOVAL
		[FHM Box]	FIRE HYDRANT TO BE MOVED
		[X]	TREE REMOVAL



NOTE:  
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101 Schaumburg Court  
Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
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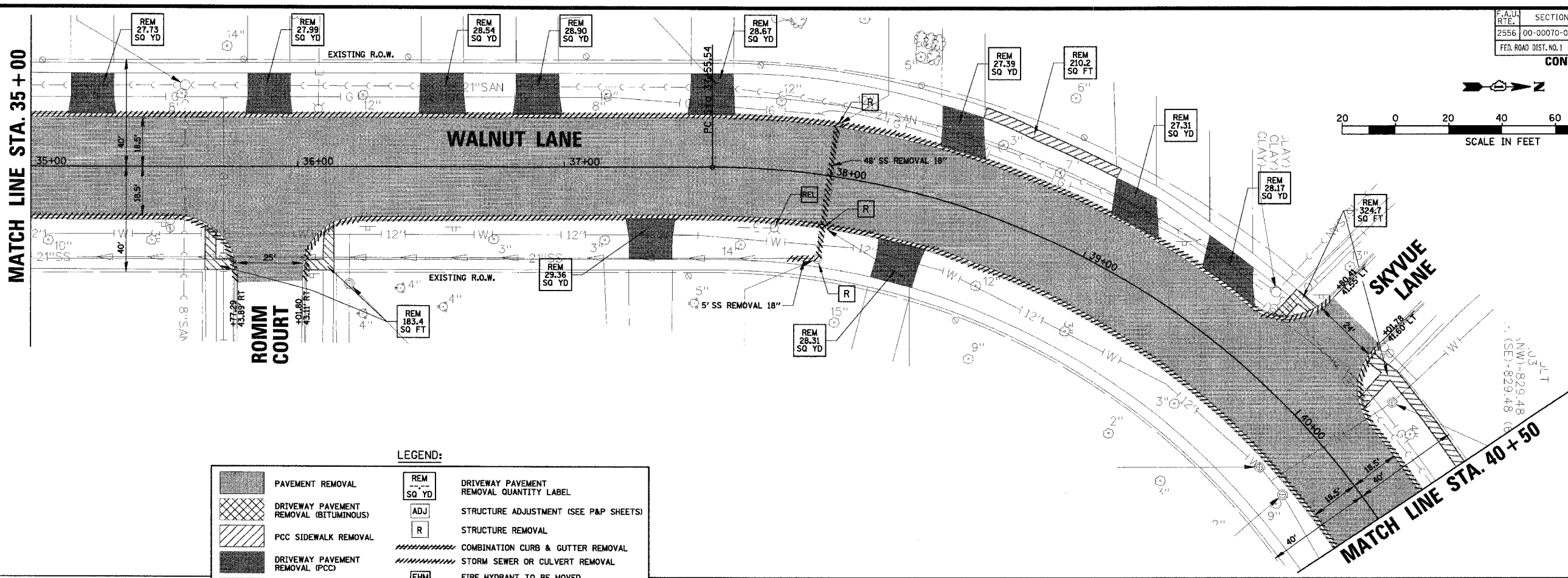
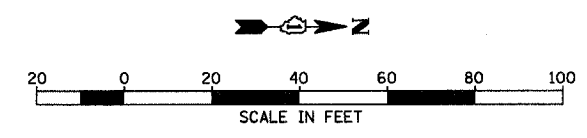
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SCALE: 1" = 20'  
DATE: 04/05/2005

TITLE: **EXISTING CONDITIONS AND REMOVAL PLAN C-91-108-04**

PROJECT NO. 01-434  
SHEET 12 OF 98  
DRAWING NO. 12

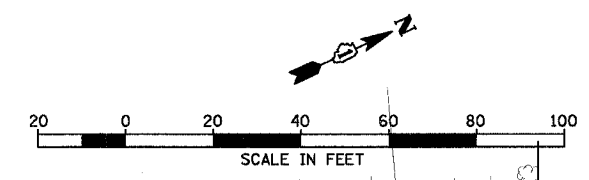
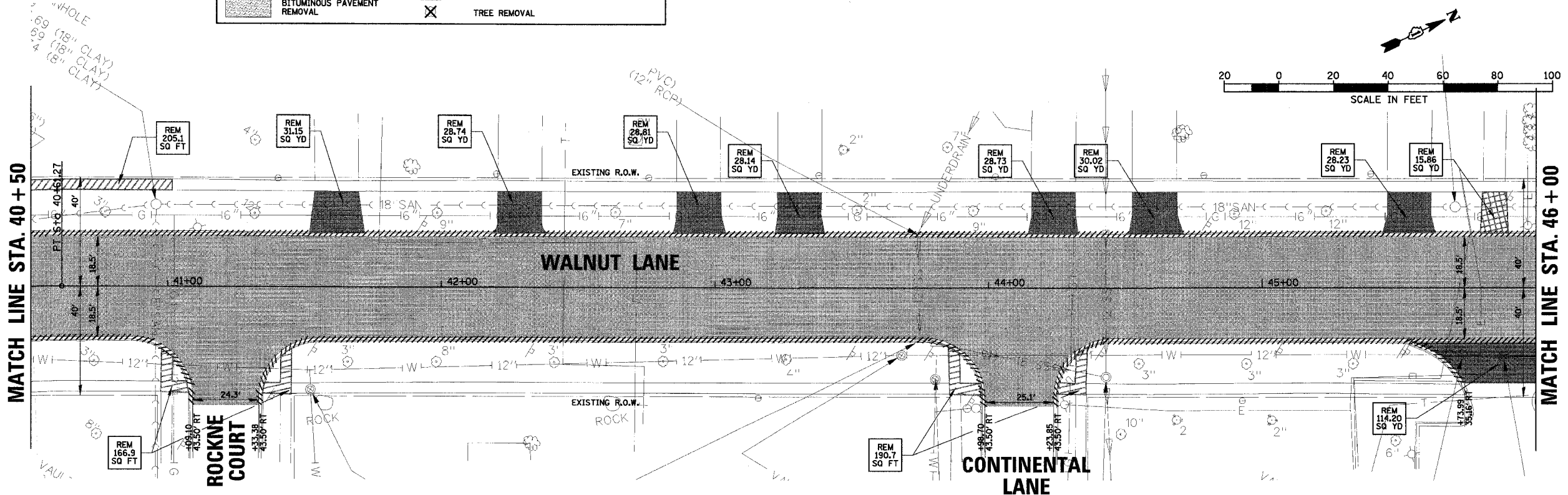
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	13
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT No. 83799



**LEGEND:**

	PAVEMENT REMOVAL		DRIVEWAY PAVEMENT REMOVAL QUANTITY LABEL
	DRIVEWAY PAVEMENT REMOVAL (BITUMINOUS)		STRUCTURE ADJUSTMENT (SEE P&P SHEETS)
	PCC SIDEWALK REMOVAL		STRUCTURE REMOVAL
	DRIVEWAY PAVEMENT REMOVAL (PCC)		COMBINATION CURB & GUTTER REMOVAL
	BITUMINOUS PAVEMENT REMOVAL		STORM SEWER OR CULVERT REMOVAL
			FIRE HYDRANT TO BE MOVED
			TREE REMOVAL



NOTE:  
ALL EXISTING TRAFFIC SIGNS SHALL BE REMOVED, STORED AND REINSTALLED AT THE END OF CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER.  
THE CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC SIGNS FOR THE DURATION OF CONSTRUCTION OPERATIONS (SEE GENERAL NOTES)

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

CLIENT: **VILLAGE OF SCHAUMBURG**  
Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

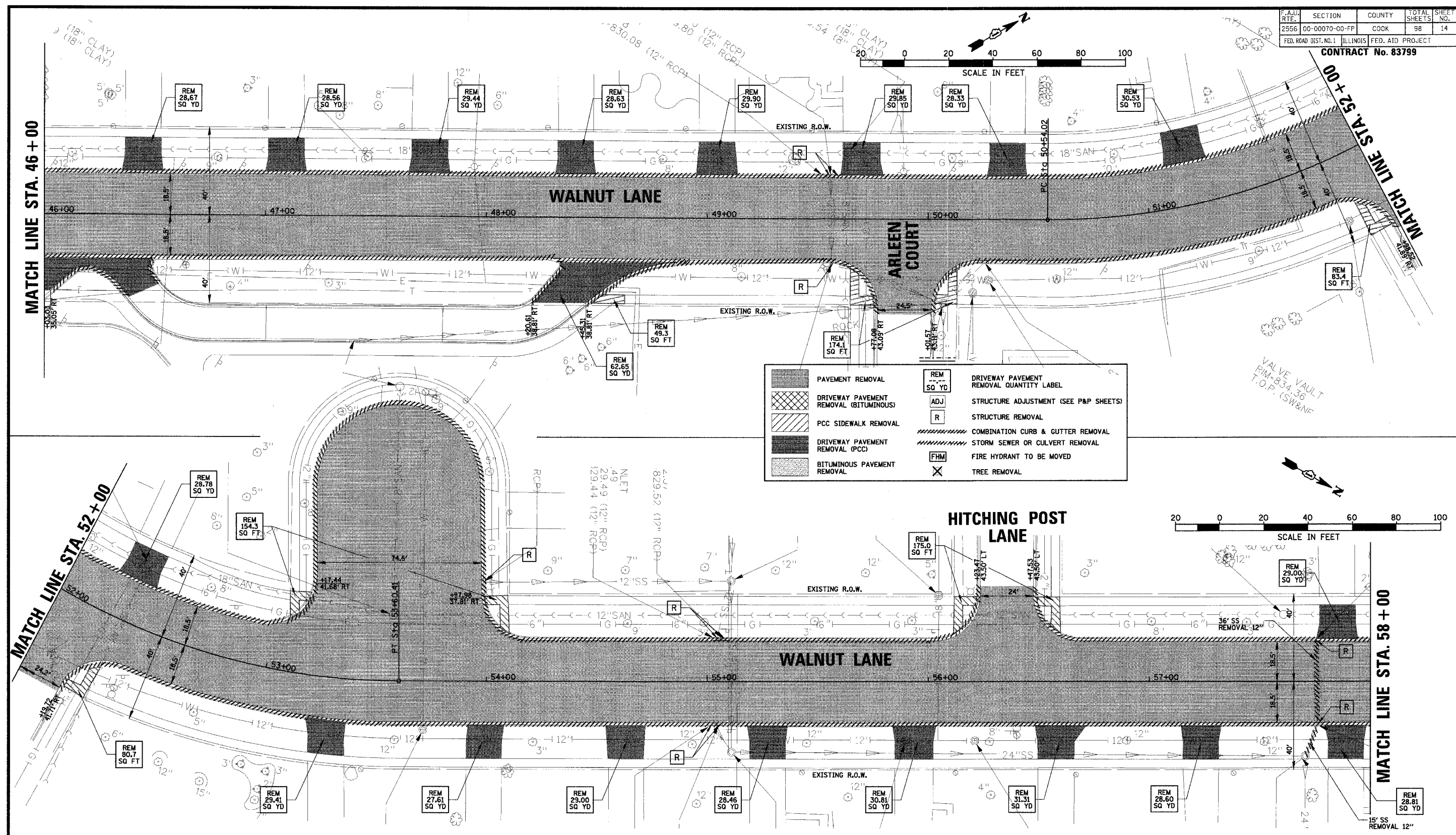
NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\434_04.REM.REM		

TITLE: **EXISTING CONDITIONS AND REMOVAL PLAN**  
**C-91-108-04**

PROJECT NO. 01-434  
SHEET 13 OF 98  
DRAWING NO. **13**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	14
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT No. 83799



	PAVEMENT REMOVAL	REM SQ YD	DRIVEWAY PAVEMENT REMOVAL QUANTITY LABEL
	DRIVEWAY PAVEMENT REMOVAL (BITUMINOUS)	ADJ	STRUCTURE ADJUSTMENT (SEE P&P SHEETS)
	PCC SIDEWALK REMOVAL	R	STRUCTURE REMOVAL
	DRIVEWAY PAVEMENT REMOVAL (PCC)		COMBINATION CURB & GUTTER REMOVAL
	BITUMINOUS PAVEMENT REMOVAL		STORM SEWER OR CULVERT REMOVAL
		FHM	FIRE HYDRANT TO BE MOVED
			TREE REMOVAL

SCALE IN FEET

SCALE IN FEET

NOTE:  
ALL EXISTING TRAFFIC SIGNS SHALL BE REMOVED, STORED AND REINSTALLED AT THE END OF CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER.  
THE CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC SIGNS FOR THE DURATION OF CONSTRUCTION OPERATIONS (SEE GENERAL NOTES)

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

CLIENT: **VILLAGE OF SCHAUMBURG**  
Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\434_05.REM.REM		

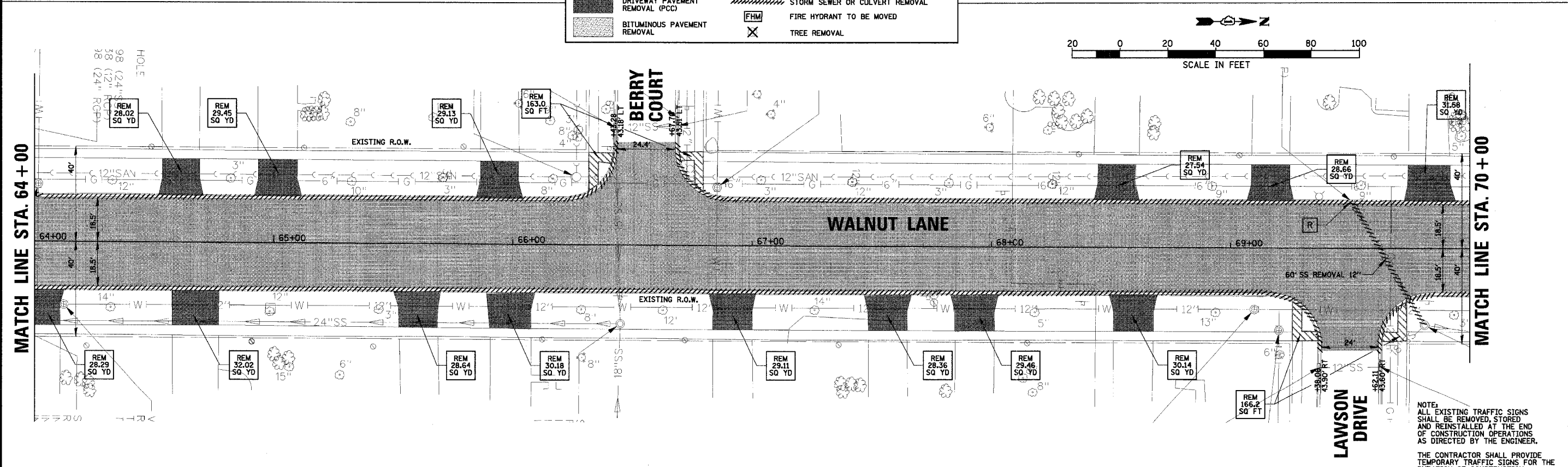
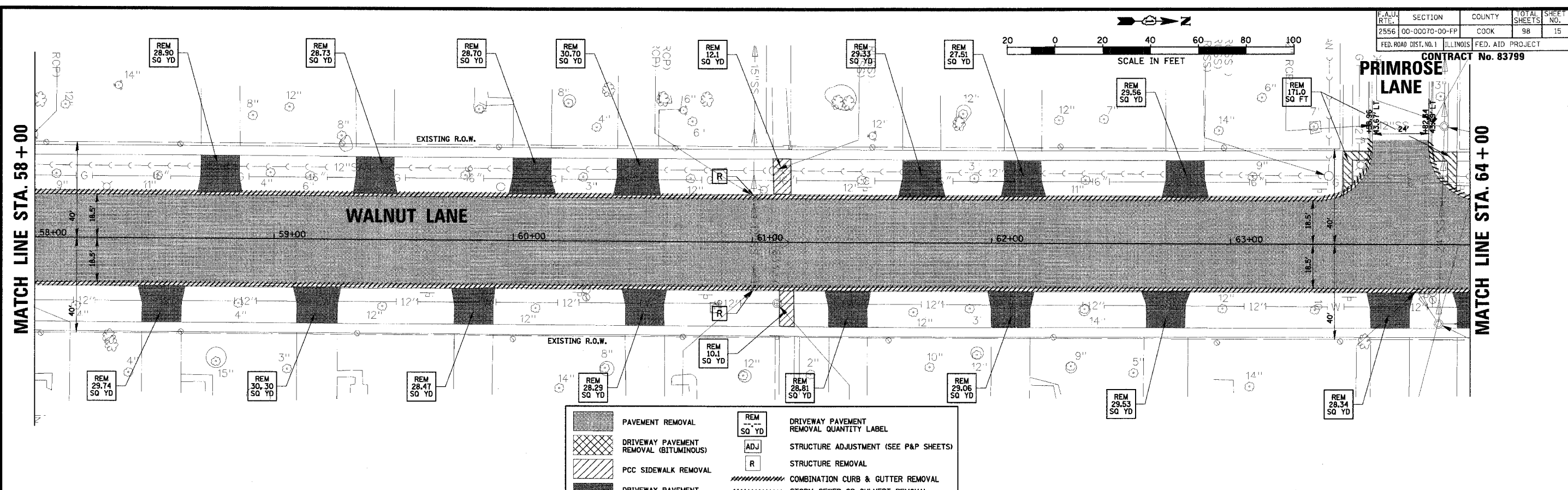
DSGN. GS  
DWN. GS  
CHKD. JGS  
SCALE: 1" = 20'  
DATE: 04/05/2005

TITLE: **EXISTING CONDITIONS AND REMOVAL PLAN**  
C-91-108-04

01-434  
SHEET 14 OF 98  
DRAWING NO. **14**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	15
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 83799



NOTE:  
ALL EXISTING TRAFFIC SIGNS SHALL BE REMOVED, STORED AND REINSTALLED AT THE END OF CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC SIGNS FOR THE DURATION OF CONSTRUCTION OPERATIONS (SEE NOTES).

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Rosemont, Illinois 60018  
(847) 823-0500

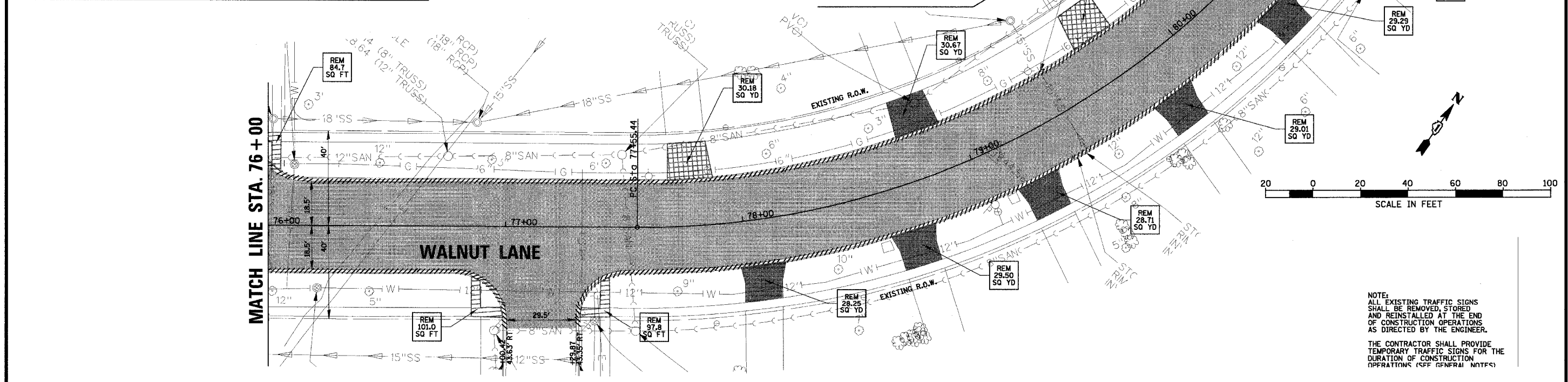
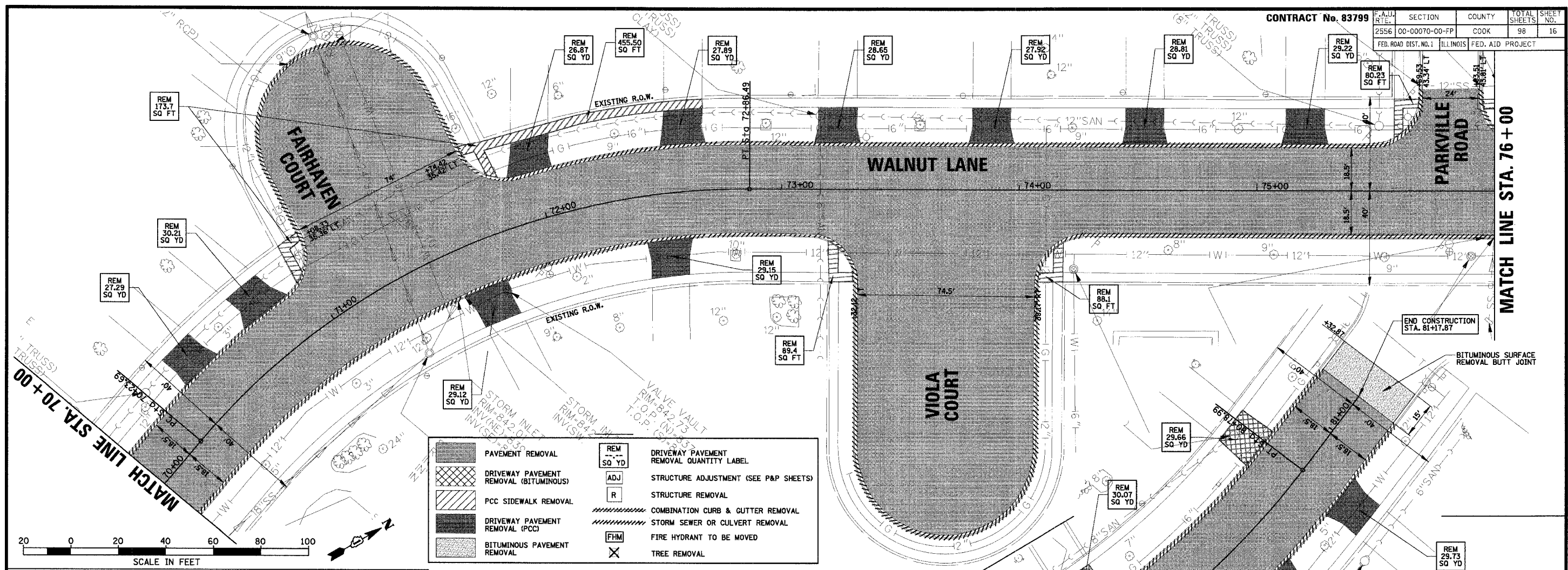
CLIENT: **VILLAGE OF SCHAUMBURG**  
Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\434_06_REM.REM		

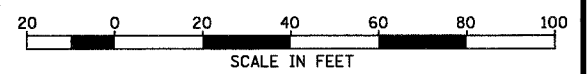
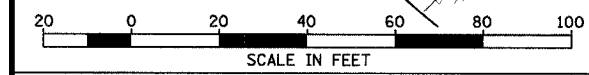
DSGN.	GS
DWN.	GS
CHKD.	JGS
SCALE:	1" = 20'
DATE:	04/05/2005

**EXISTING CONDITIONS AND REMOVAL PLANS**  
C-91-108-04

01-434  
SHEET 15 OF 98  
DRAWING NO. **15**



	PAVEMENT REMOVAL		DRIVEWAY PAVEMENT REMOVAL QUANTITY LABEL
	DRIVEWAY PAVEMENT REMOVAL (BITUMINOUS)		STRUCTURE ADJUSTMENT (SEE P&P SHEETS)
	PCC SIDEWALK REMOVAL		STRUCTURE REMOVAL
	DRIVEWAY PAVEMENT REMOVAL (PCC)		COMBINATION CURB & GUTTER REMOVAL
	BITUMINOUS PAVEMENT REMOVAL		STORM SEWER OR CULVERT REMOVAL
			FIRE HYDRANT TO BE MOVED
			TREE REMOVAL



NOTE:  
 ALL EXISTING TRAFFIC SIGNS SHALL BE REMOVED, STORED AND REINSTALLED AT THE END OF CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER.  
 THE CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC SIGNS FOR THE DURATION OF CONSTRUCTION OPERATIONS (SEE GENERAL NOTES)

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

CLIENT: **VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME		N:\SCHAUMBURG\01-434\DESIGN\434_07_REM.REM	
DSGN.	GS		
DWN.	GS		
CHKD.	JGS		
SCALE:	1" = 20'		
DATE:	04/05/2005		

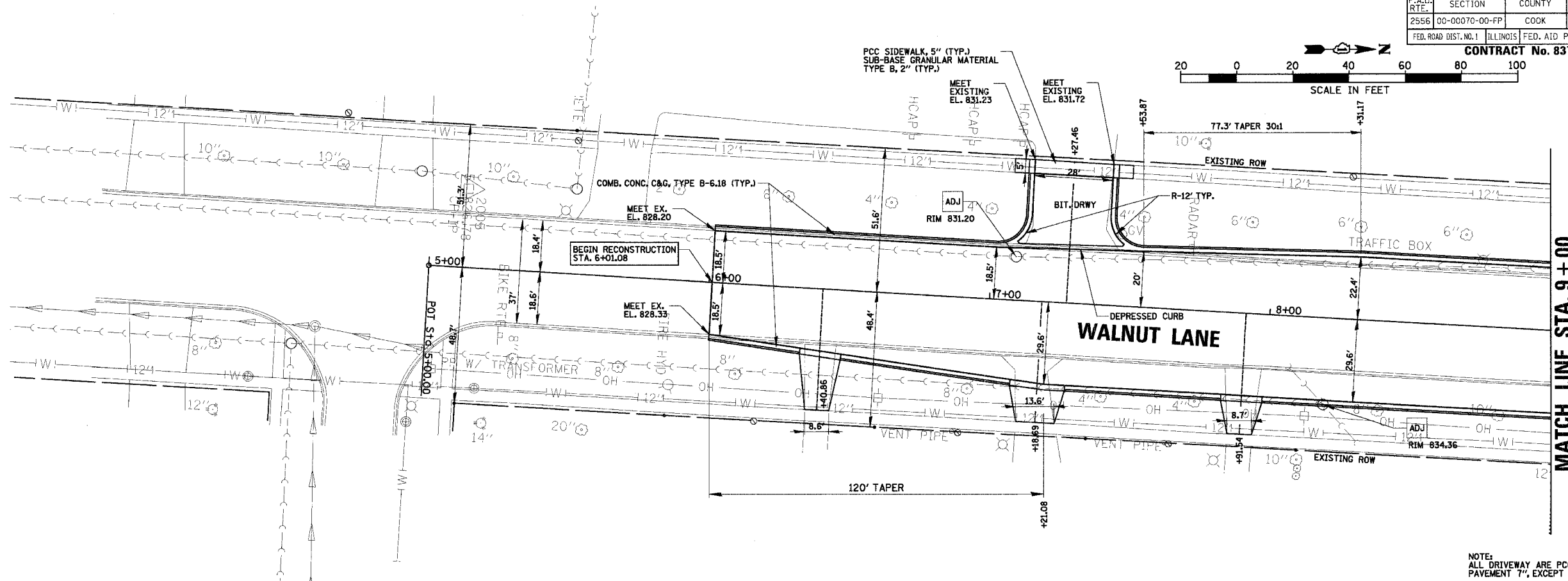
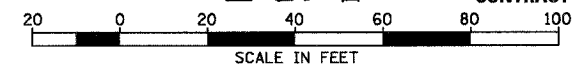
TITLE: **EXISTING CONDITIONS AND REMOVAL PLAN**  
**C-91-108-04**

PROJECT NO. 01-434  
 SHEET 16 OF 98  
 DRAWING NO. **16**

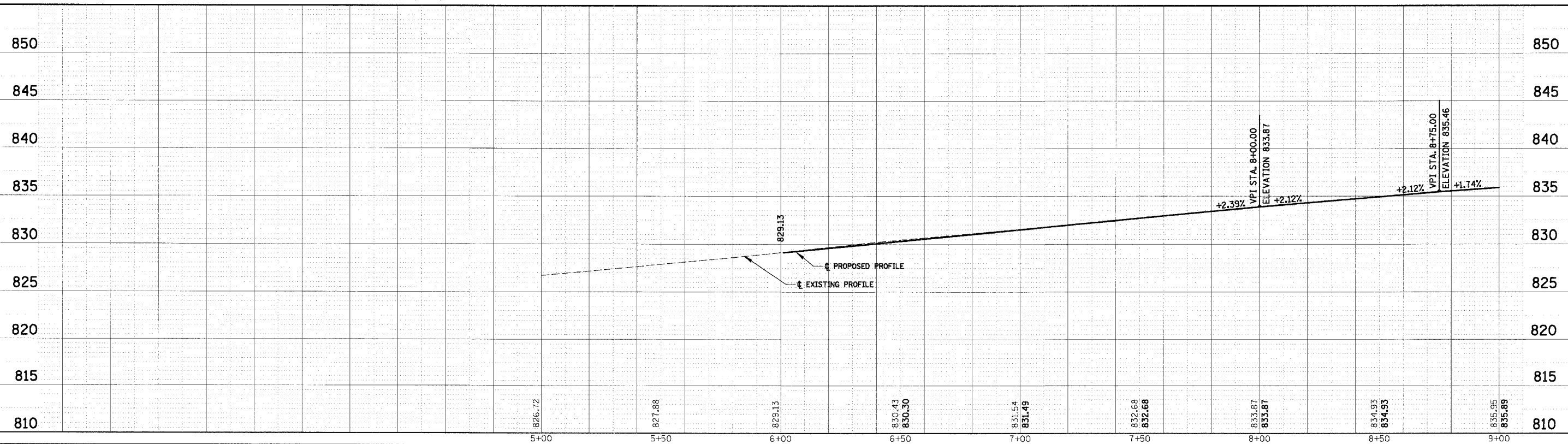


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	17
FED. ROAD DIST. NO. 1	ILLINOIS		FED. AID PROJECT	

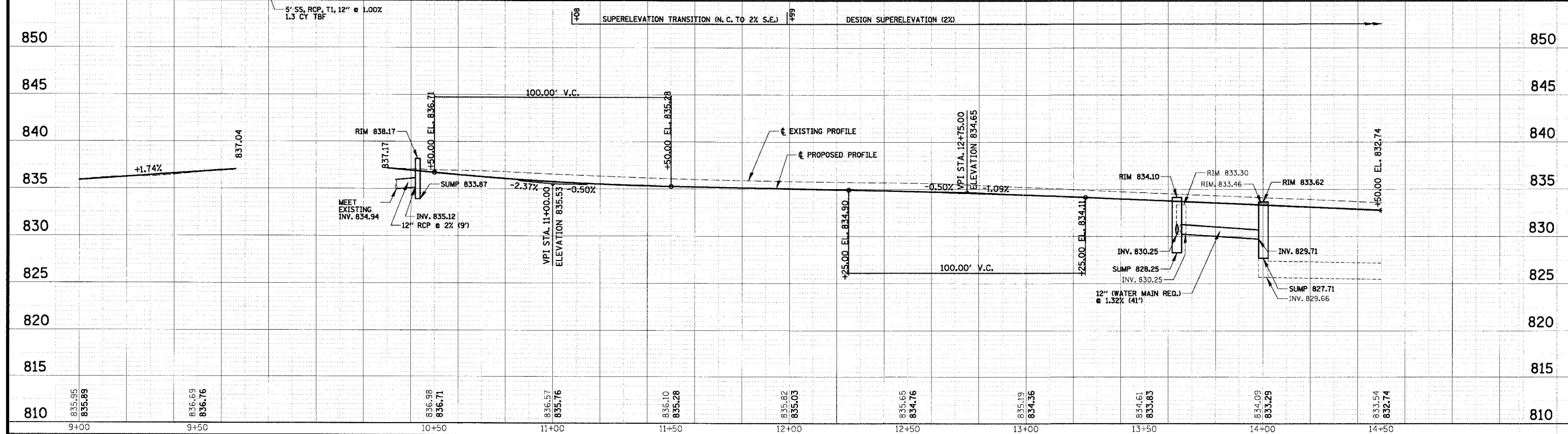
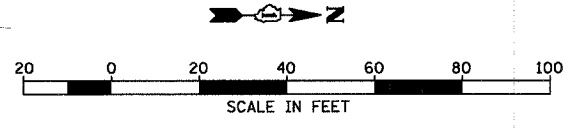
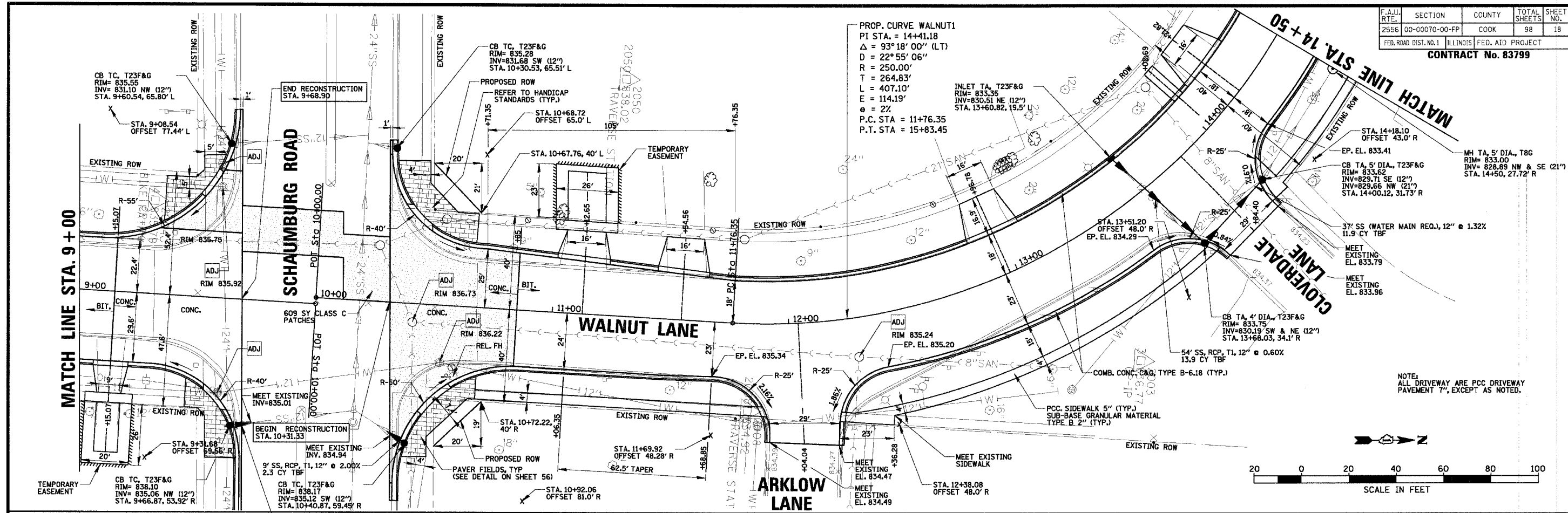
CONTRACT No. 83799



NOTE:  
ALL DRIVEWAY ARE PCC DRIVEWAY  
PAVEMENT 7", EXCEPT AS NOTED.



<b>CHRISTOPHER B. BURKE</b> ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	CLIENT: <b>VILLAGE OF SCHAUMBURG</b> Engineering Department 101 Schaumburg Court Schaumburg, IL. 60193-7806	DSGN. GS DWN. GS CHKD. JGS	TITLE: <b>WALNUT LANE PLAN AND PROFILE</b> <b>STA. 6 + 01.08 TO STA. 9 + 00</b> <b>C-91-108-04</b>	PROJECT NO. 01-434 SHEET 17 OF 98 DRAWING NO. <b>17</b>
		NO. DATE NATURE OF REVISION CHKD. FILE NAME N:\SCHAUMBURG\01-434\DESIGN\PR_434_00.RPP		



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

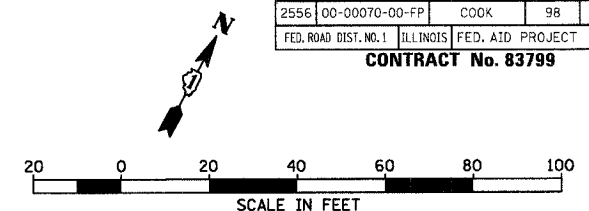
**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\PR_434_01.RPP		
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DWN.	GS		
CHKD.	JGS		
SCALE:	1" = 20' HOR. 1" = 5' VERT.		
DATE:	04/05/2005		

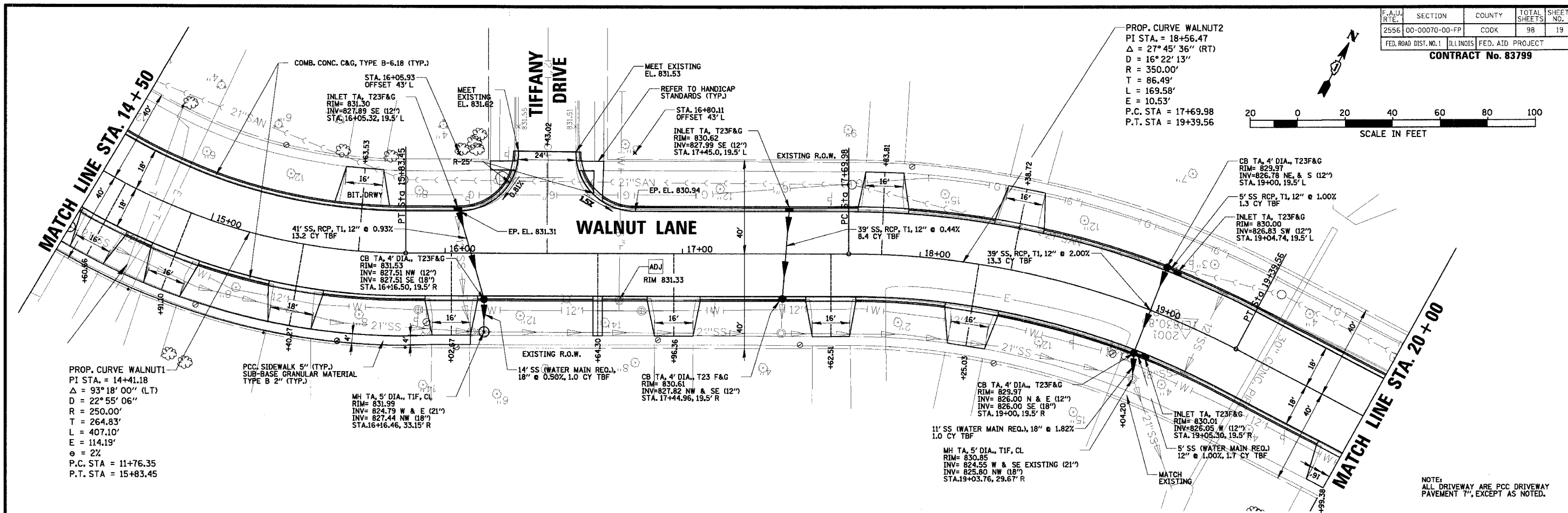
**WALNUT LANE PLAN AND PROFILE**  
**STA. 9+00 TO STA. 14+50**  
**C-91-108-04**

PROJECT NO. 01-434  
 SHEET 18 OF 98  
 DRAWING NO. 18

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-0070-00-PP	COOK	98	19
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
<b>CONTRACT No. 83799</b>				

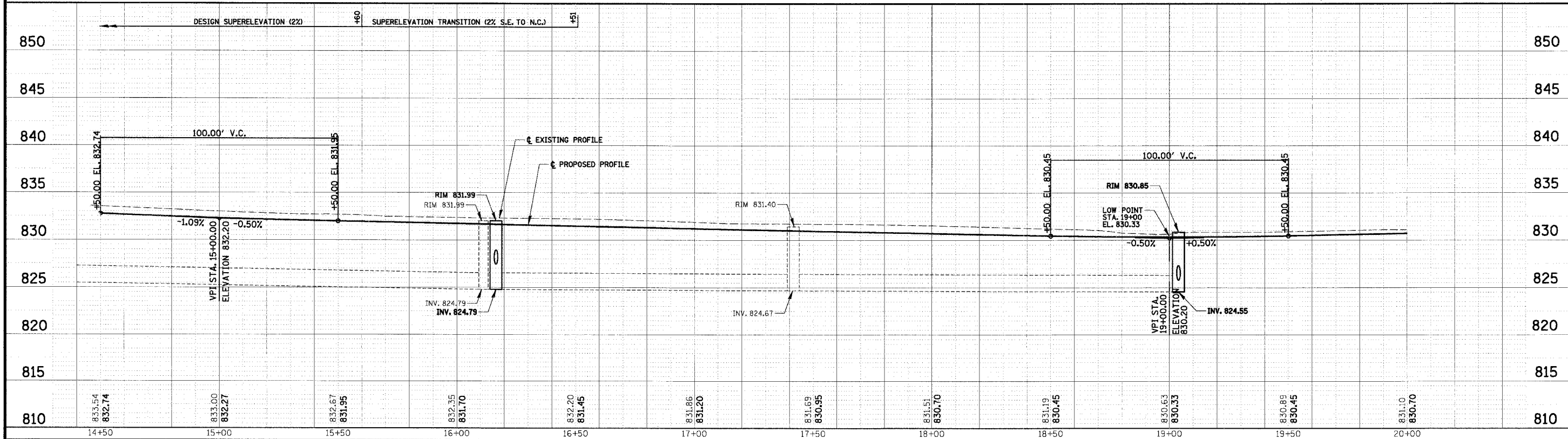


PROP. CURVE WALNUT2  
 PI STA. = 18+56.47  
 $\Delta = 27^\circ 45' 36''$  (RT)  
 $D = 16^\circ 22' 13''$   
 $R = 350.00'$   
 $T = 86.49'$   
 $L = 169.58'$   
 $E = 10.53'$   
 $P.C. STA = 17+69.98$   
 $P.T. STA = 19+39.56$



PROP. CURVE WALNUT1  
 PI STA. = 14+41.18  
 $\Delta = 93^\circ 18' 00''$  (LT)  
 $D = 22^\circ 55' 06''$   
 $R = 250.00'$   
 $T = 264.83'$   
 $L = 407.10'$   
 $E = 114.19'$   
 $\theta = 2\%$   
 $P.C. STA = 11+76.35$   
 $P.T. STA = 15+83.45$

NOTE:  
 ALL DRIVEWAY ARE PCC DRIVEWAY  
 PAVEMENT 7", EXCEPT AS NOTED.



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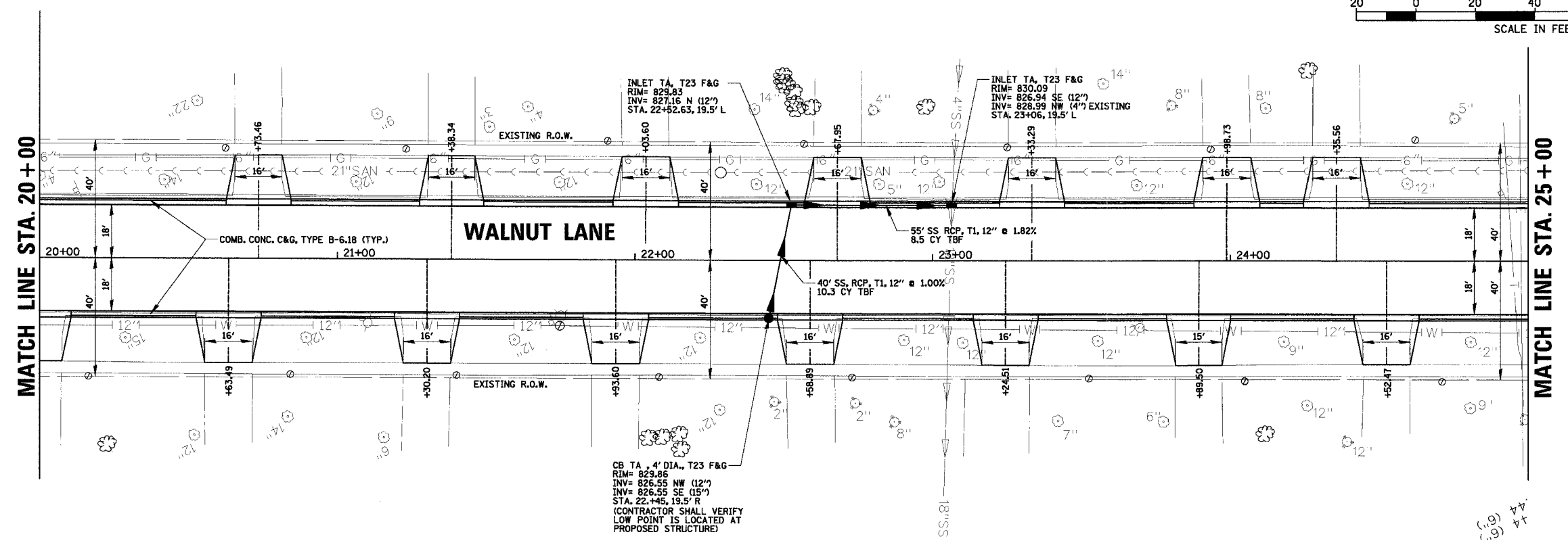
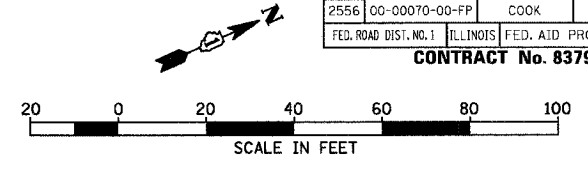
CLIENT: **VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
1	04/05/2005	DESIGN	GS
2		DRAWING	GS
3		CHECKED	JGS
4		SCALE: 1" = 20' HOR. / 1" = 5' VERT.	
5		DATE: 04/05/2005	

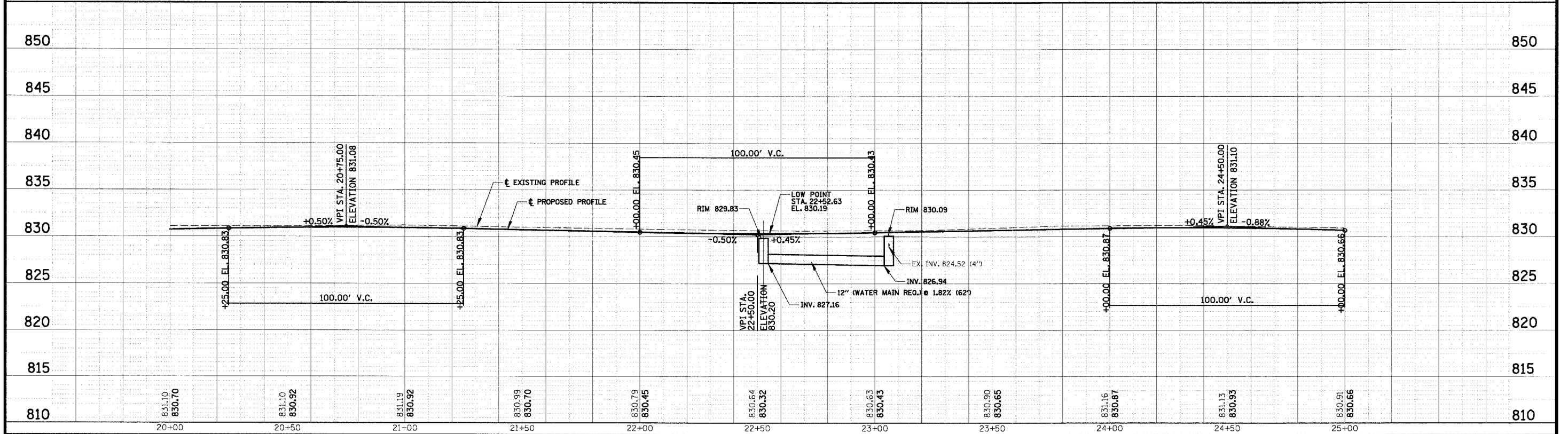
TITLE: **WALNUT LANE PLAN AND PROFILE**  
**STA. 14+50 TO STA. 20+00**  
**C-91-108-04**

PROJECT NO. 01-434  
 SHEET 19 OF 98  
 DRAWING NO. **19**

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-PP	COOK	98	20
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
<b>CONTRACT No. 83799</b>				



NOTE:  
ALL DRIVEWAY ARE PCC DRIVEWAY  
PAVEMENT 7", EXCEPT AS NOTED.



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9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

CLIENT: **VILLAGE OF SCHAUMBURG**  
Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

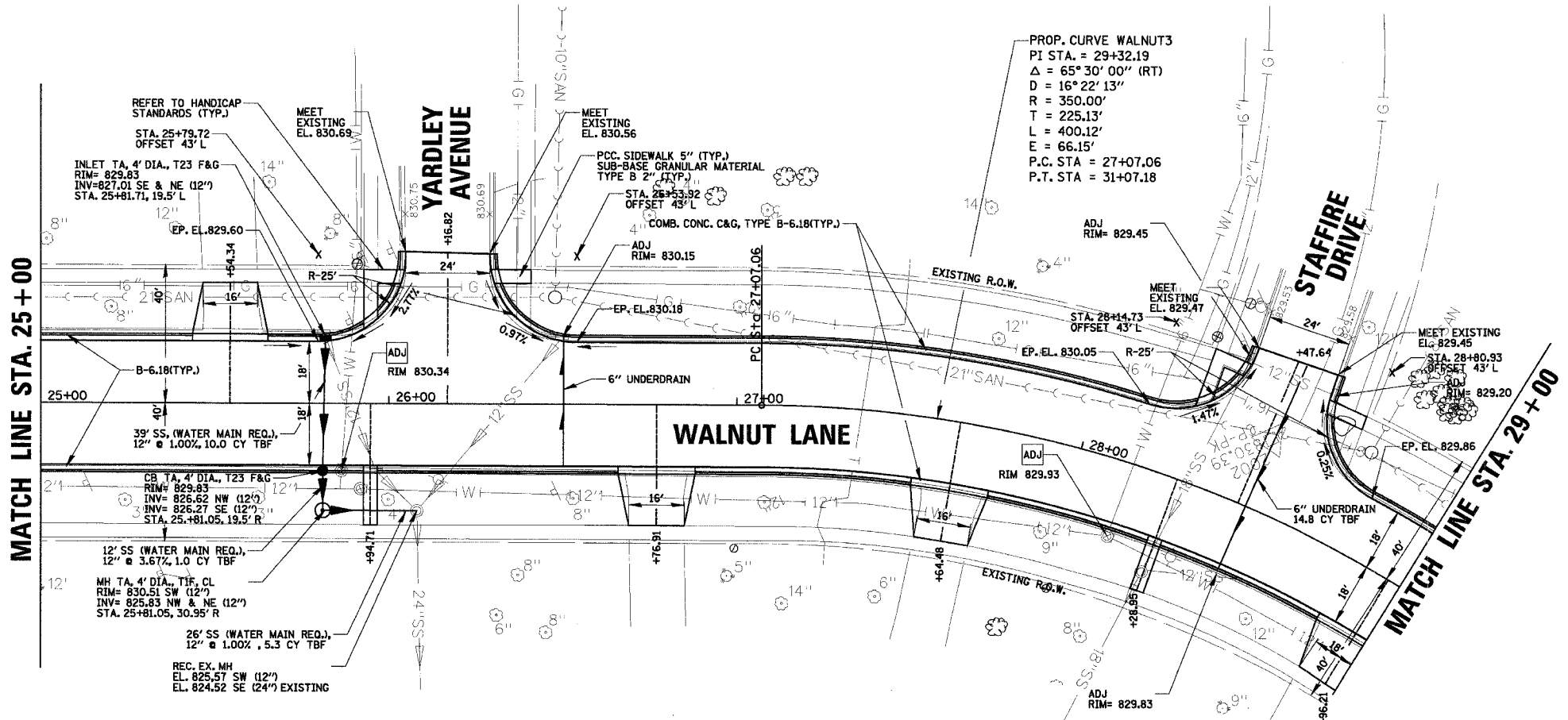
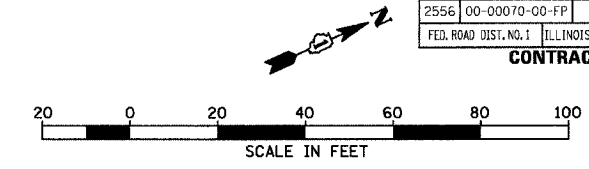
NO.	DATE	NATURE OF REVISION	CHKD.
1			
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\PR_434_03.rpp		

DSGN.	GS
DWN.	GS
CHKD.	JCS
SCALE:	1" = 20' HOR. 1" = 5' VERT.
DATE:	04/05/2005

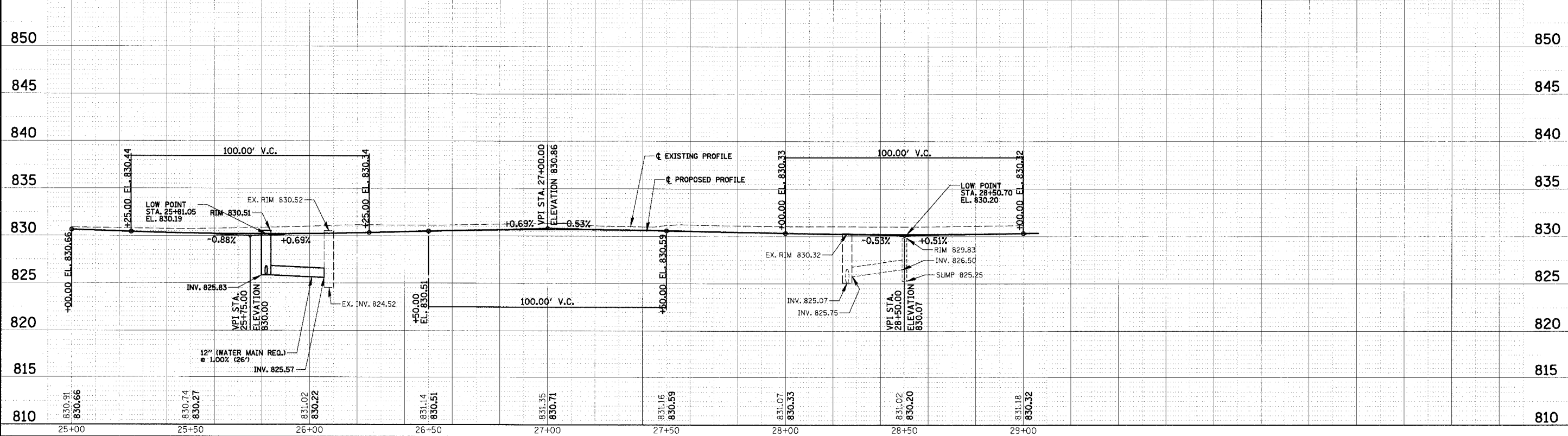
TITLE: **WALNUT LANE PLAN AND PROFILE**  
**STA. 20+00 TO STA. 25+00**  
**C-91-108-04**

PROJECT NO. 01-434  
SHEET 20 OF 98  
DRAWING NO. **20**

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	21
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
<b>CONTRACT No. 83799</b>				



NOTE:  
ALL DRIVEWAY ARE PCC DRIVEWAY  
PAVEMENT 7", EXCEPT AS NOTED.



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Rosemont, Illinois 60018  
(847) 823-0500

CLIENT:  
**VILLAGE OF SCHAUMBURG**  
Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

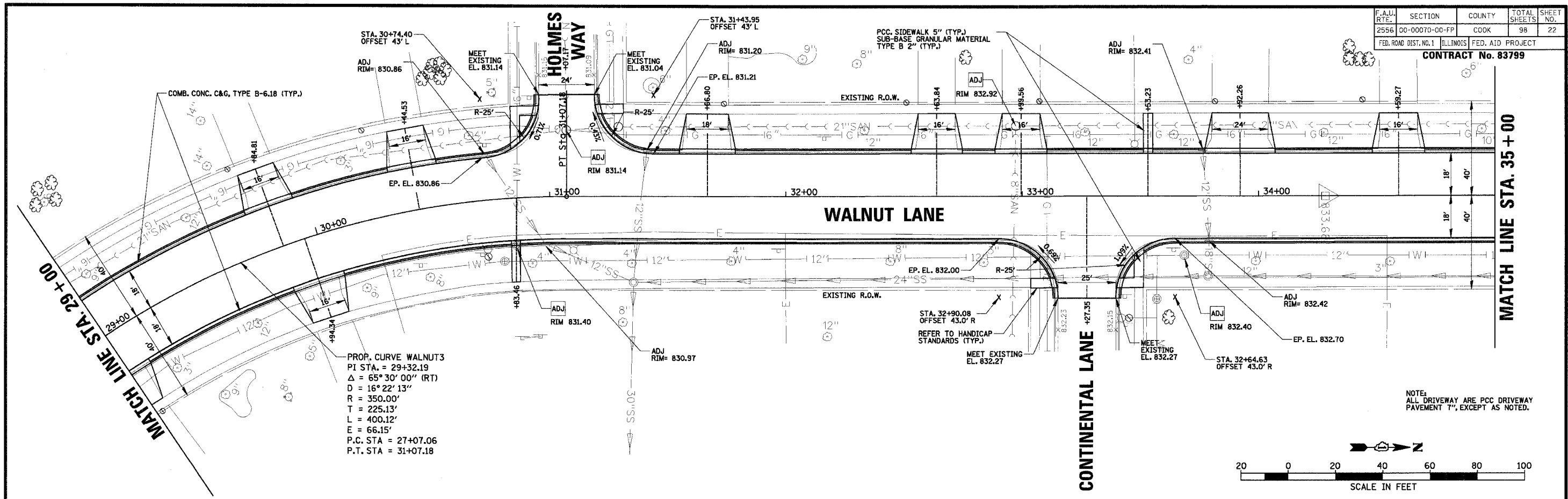
NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\PR_434_04.rpp		
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DWN.	GS		
CHKD.	JGS		
SCALE:	1" = 20' HOR.		
DATE:	04/05/2005		

TITLE:  
**WALNUT LANE PLAN AND PROFILE**  
STA. 25+00 TO STA. 29+00  
C-91-108-04

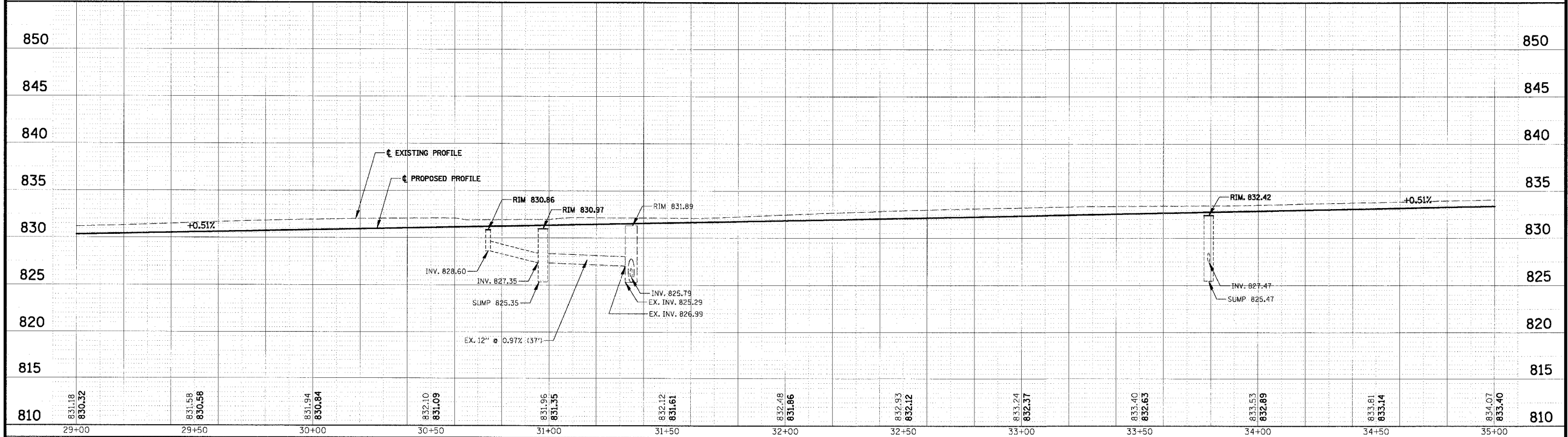
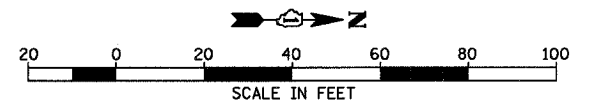
PROJECT NO.  
01-434  
SHEET 21 OF 98  
DRAWING NO.  
**21**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	22
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT No. 83799



NOTE: ALL DRIVEWAY ARE PCC DRIVEWAY PAVEMENT 7", EXCEPT AS NOTED.



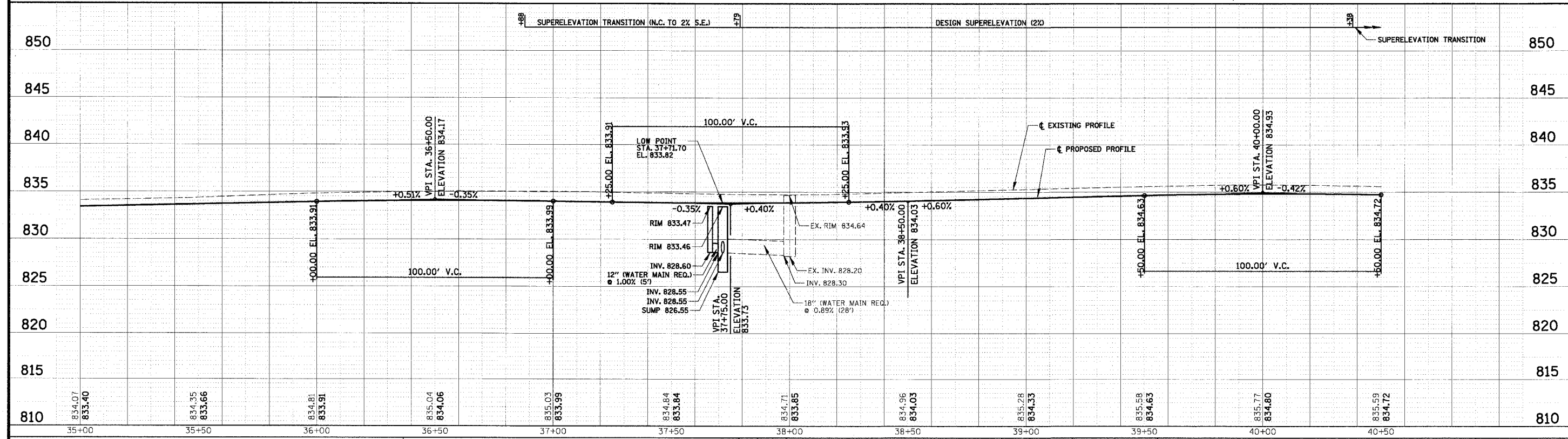
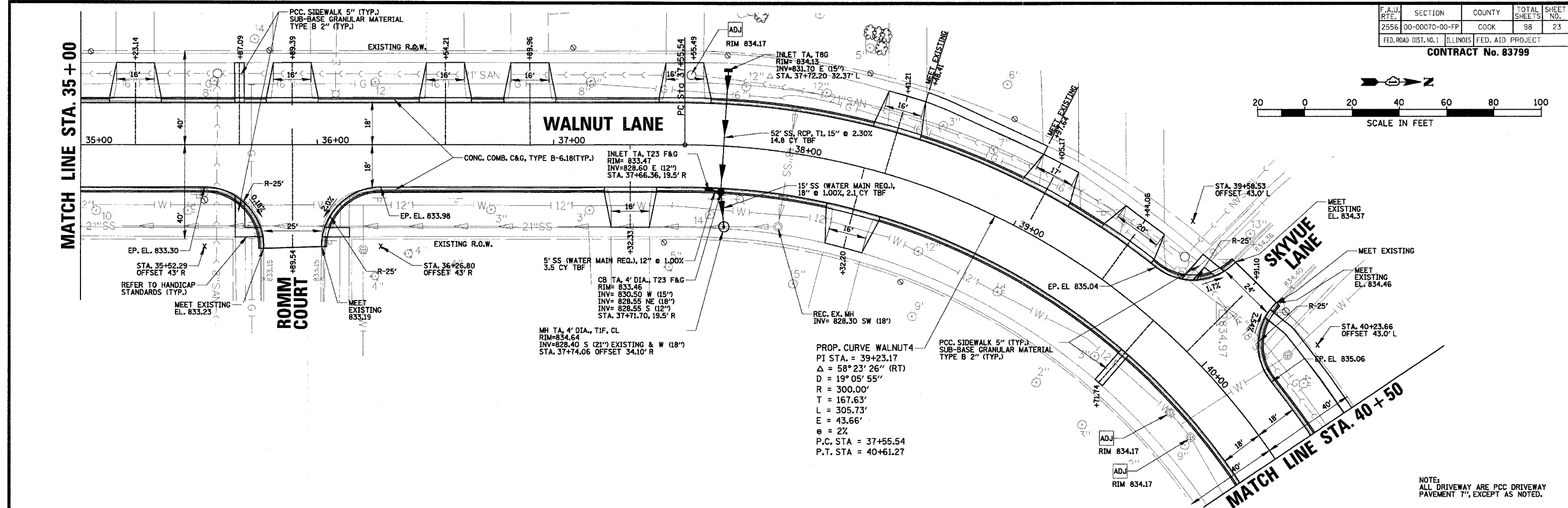
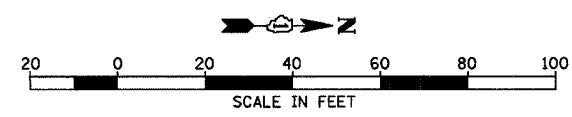
**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

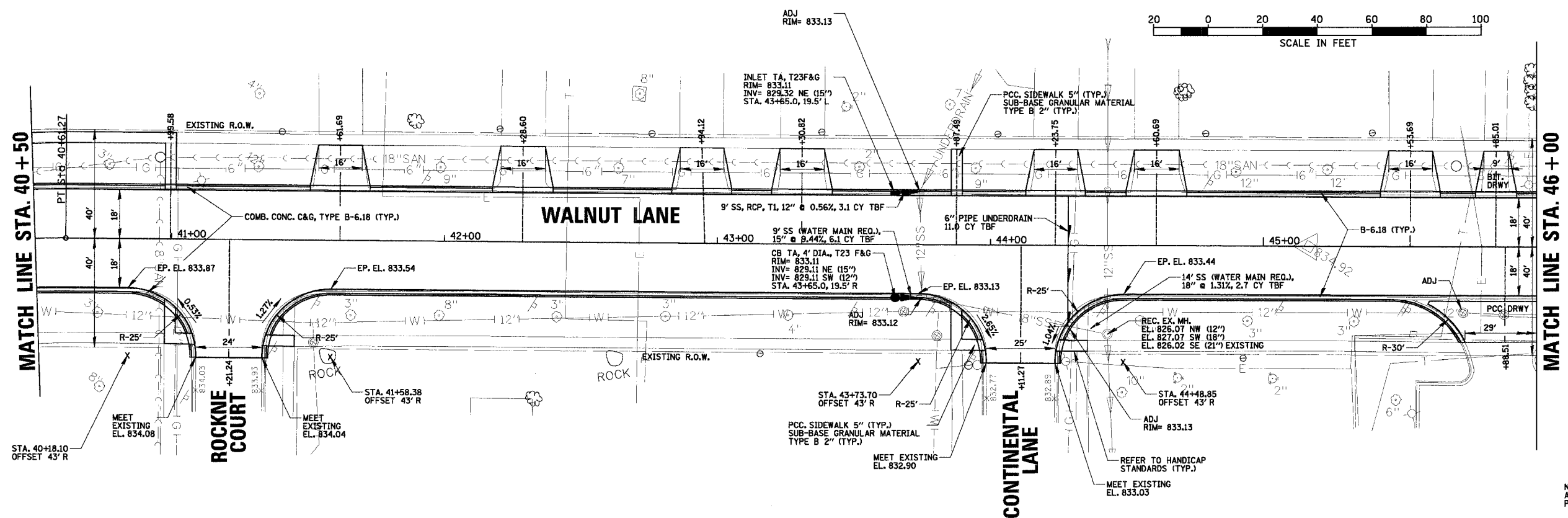
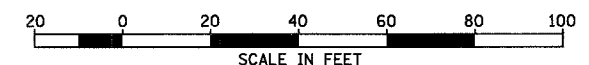
CLIENT: **VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE	NAME	N:\SCHAUMBURG\01-434\DESIGN\PR_434_05.rpp	

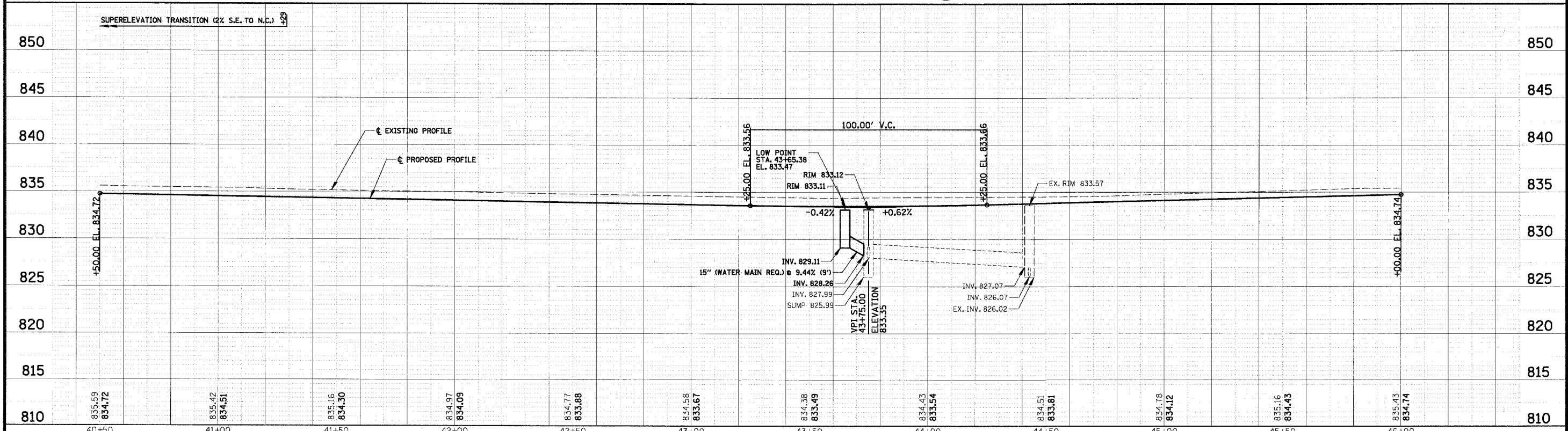
TITLE: **WALNUT LANE PLAN AND PROFILE**  
**STA. 29+00 TO STA. 35+00**  
**C-91-108-04**

PROJECT NO.	01-434
SHEET 22 OF 98	
DRAWING NO.	22





NOTE:  
ALL DRIVEWAYS ARE PCC DRIVEWAY PAVEMENT 7", EXCEPT AS NOTED.



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Rosemont, Illinois 60018  
(847) 823-0500

CLIENT: **VILLAGE OF SCHAUMBURG**  
Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

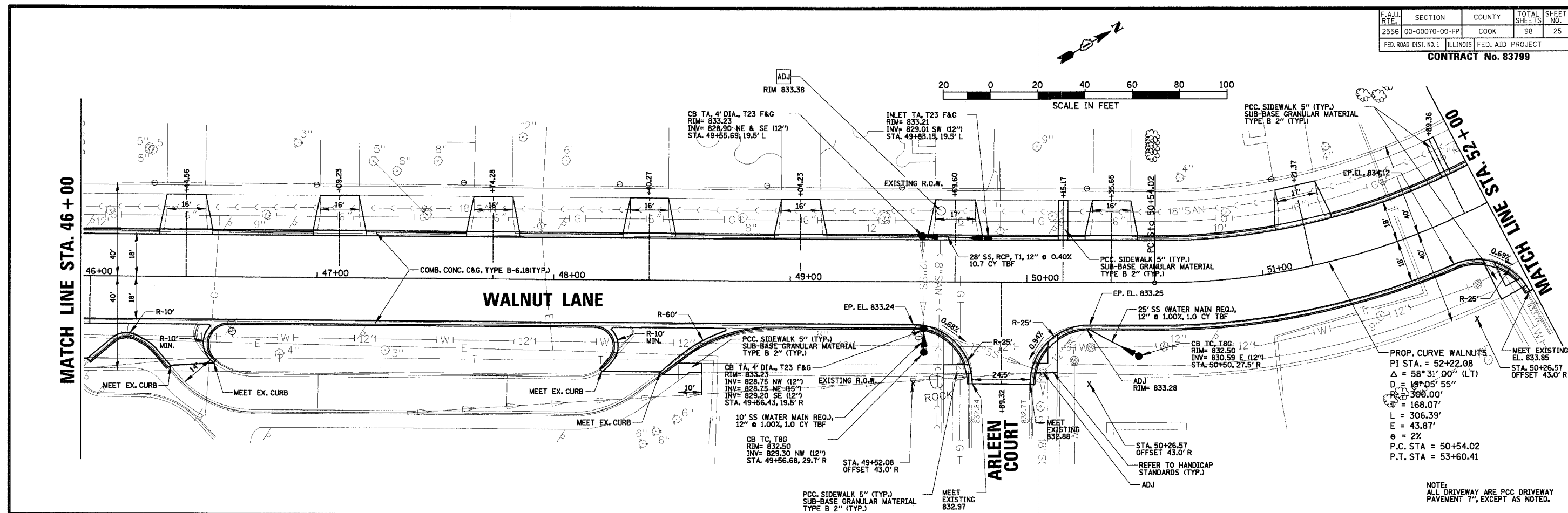
NO.	DATE	NATURE OF REVISION	CHKD.
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2		DRAWING	GS
3		CHECKED	JGS
4		SCALE: 1/4" = 20' HOR. 1/4" = 5' VERT.	
5		DATE: 04/05/2005	

TITLE: **WALNUT LANE PLAN AND PROFILE**  
**STA. 40+50 TO STA. 46+00**  
**C-91-108-04**

PROJECT NO. 01-434  
SHEET 24 OF 98  
DRAWING NO. **24**

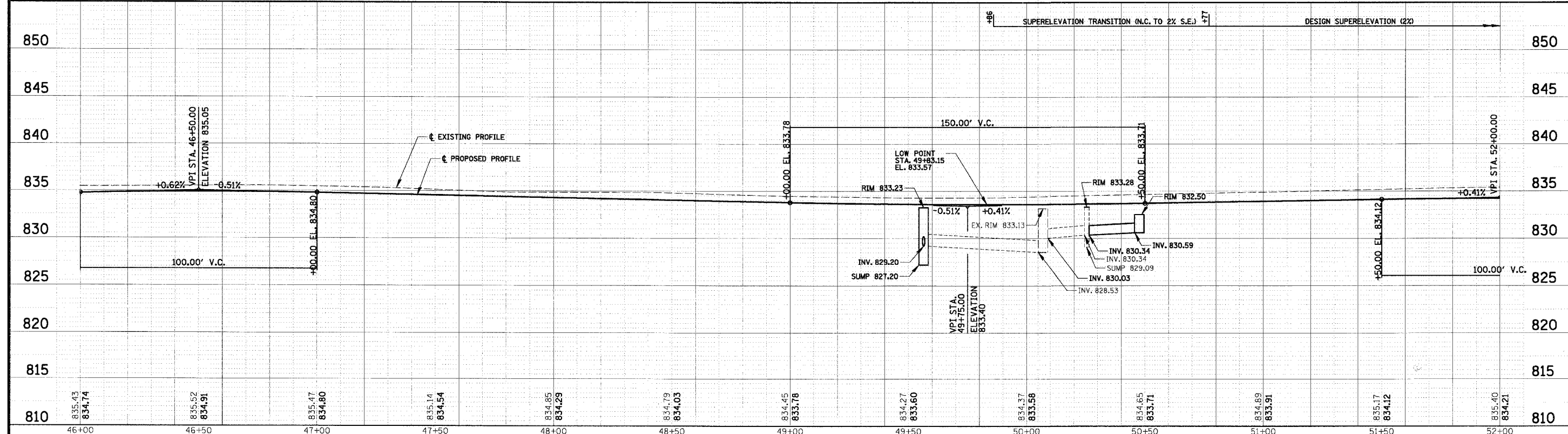


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	25
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT No. 83799				



PROP. CURVE WALNUTS  
 P.I. STA. = 52+22.08  
 $\Delta = 58^\circ 31' 00''$  (LT)  
 $D = 19^\circ 05' 55''$   
 $R = 300.00'$   
 $E = 168.07'$   
 $L = 306.39'$   
 $E = 43.87'$   
 $e = 2'$   
 P.C. STA = 50+54.02  
 P.T. STA = 53+60.41

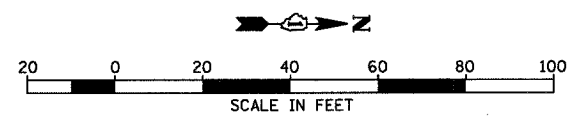
NOTE:  
 ALL DRIVEWAY ARE PCC DRIVEWAY  
 PAVEMENT 7", EXCEPT AS NOTED.



	<b>CHRISTOPHER B. BURKE ENGINEERING LTD.</b> 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500		<b>VILLAGE OF SCHAUMBURG</b> Engineering Department 101 Schaumburg Court Schaumburg, IL. 60193-7806	DSGN. GS DWN. GS CHKD. JGS SCALE: 1" = 20' HOR. 1" = 5' VERT. DATE: 04/05/2005	<b>WALNUT LANE PLAN AND PROFILE</b> <b>STA. 46+00 TO STA. 52+00</b> <b>C-91-108-04</b>	PROJECT NO. 01-434 SHEET 25 OF 98 DRAWING NO. <b>25</b>
	NO. DATE NATURE OF REVISION CHKD. FILE NAME N:\SCHAUMBURG\01-434\DESIGN\PR_434_08.rpp					

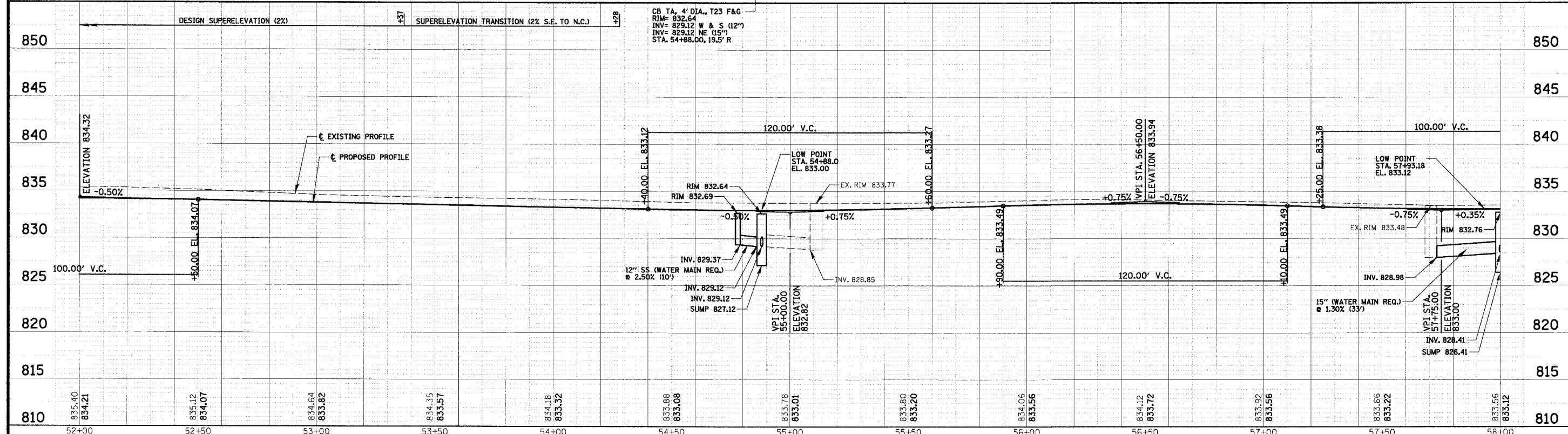
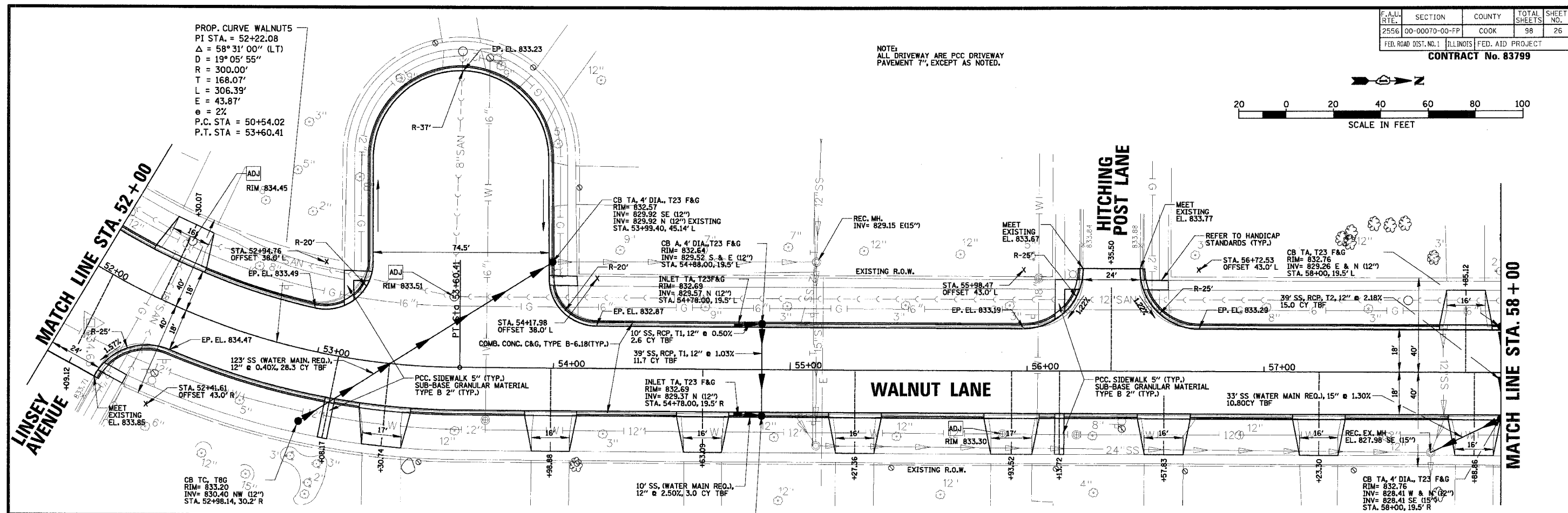
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	26
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT No. 83799



PROP. CURVE WALNUTS  
 PI STA. = 52+22.08  
 $\Delta = 58^{\circ}31'00''$  (L.T.)  
 $D = 19^{\circ}05'55''$   
 $R = 300.00'$   
 $T = 168.07'$   
 $L = 306.39'$   
 $E = 43.87'$   
 $e = 2\%$   
 P.C. STA. = 50+54.02  
 P.T. STA. = 53+60.41

NOTE:  
 ALL DRIVEWAY ARE PCC DRIVEWAY  
 PAVEMENT 7", EXCEPT AS NOTED.



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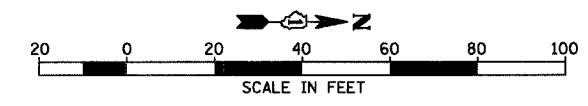
CLIENT: **VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
1	04/05/2005	DESIGN	GS
2		DWN.	GS
3		CHKD.	JGS
4		SCALE:	1" = 20' HOR. 1" = 5' VERT.
5		DATE:	04/05/2005

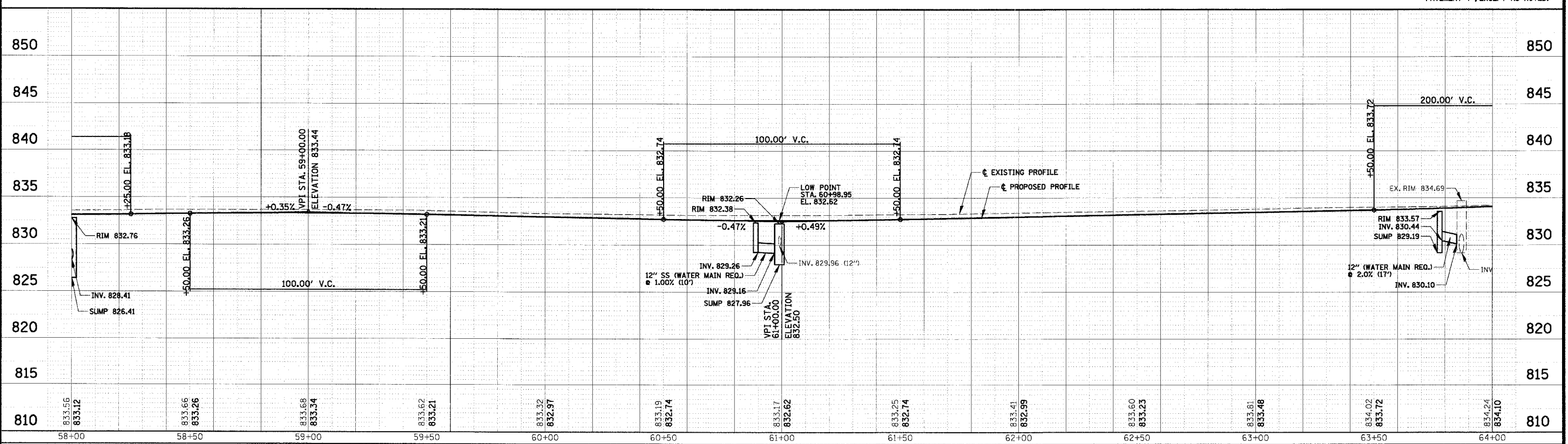
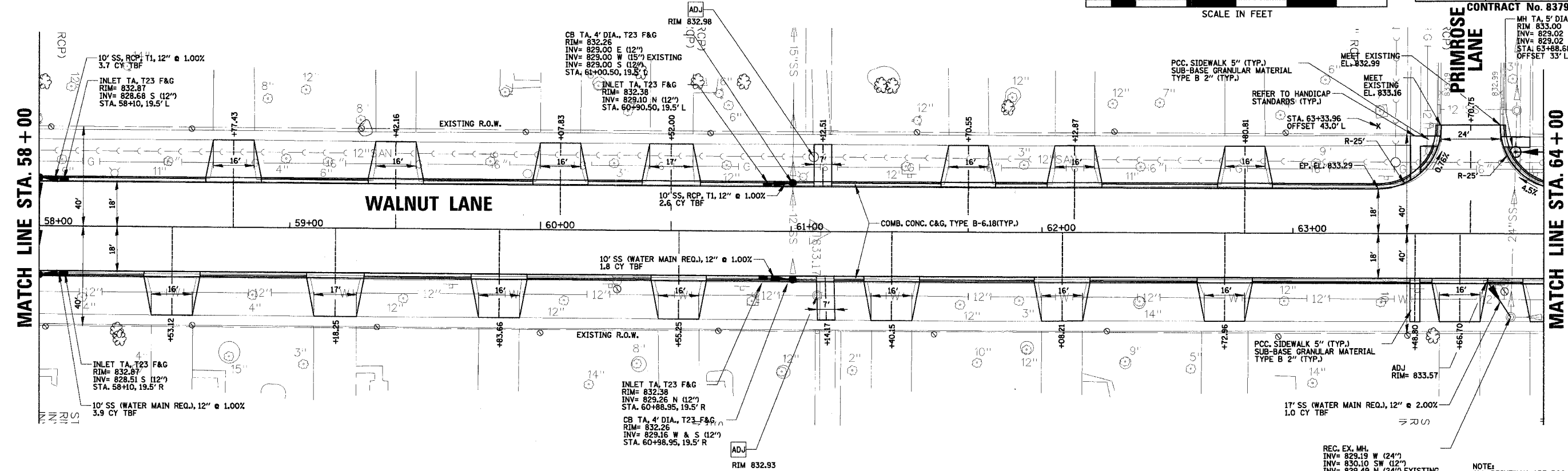
TITLE: **WALNUT LANE PLAN AND PROFILE**  
**STA. 52+00 TO STA. 58+00**  
**C-91-108-04**

PROJECT NO. 01-434  
 SHEET 26 OF 98  
 DRAWING NO. 26

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	27
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONTRACT No. 83799  
 MH TA, 5' DIA., TIF CL  
 RIM= 833.00  
 INV= 829.02 N (12")  
 INV= 829.02 E & W (24")  
 STA. 63+88.68  
 OFFSET 33' L



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 Schaumburg, IL. 60193-7806

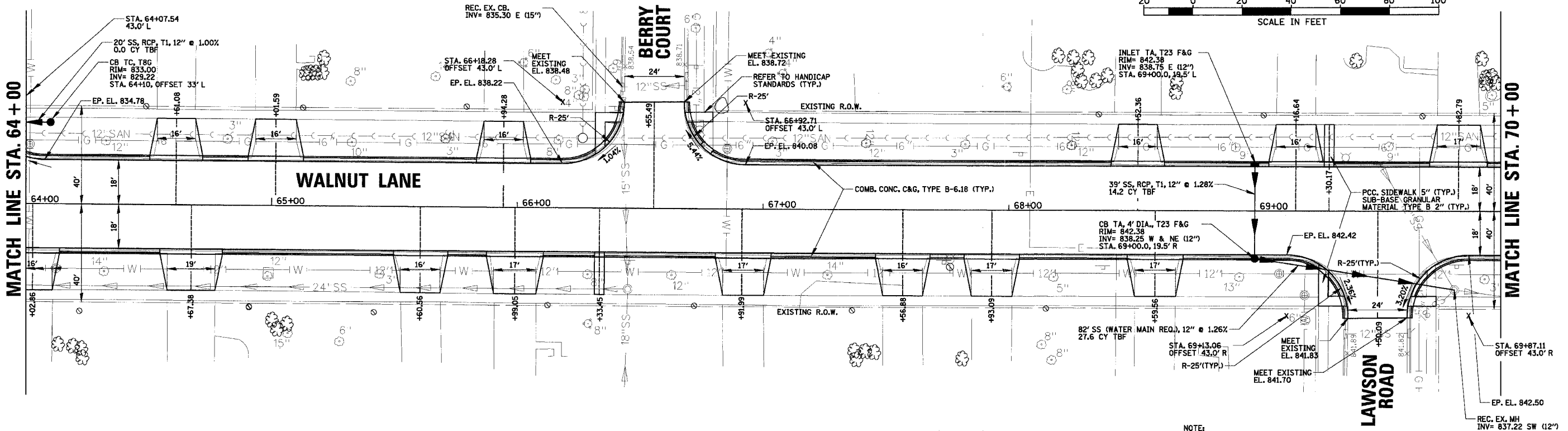
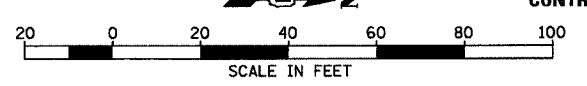
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 CHKD. JGS  
 SCALE: 1" = 20' HOR.  
 1" = 5' VERT.  
 DATE: 04/05/2005

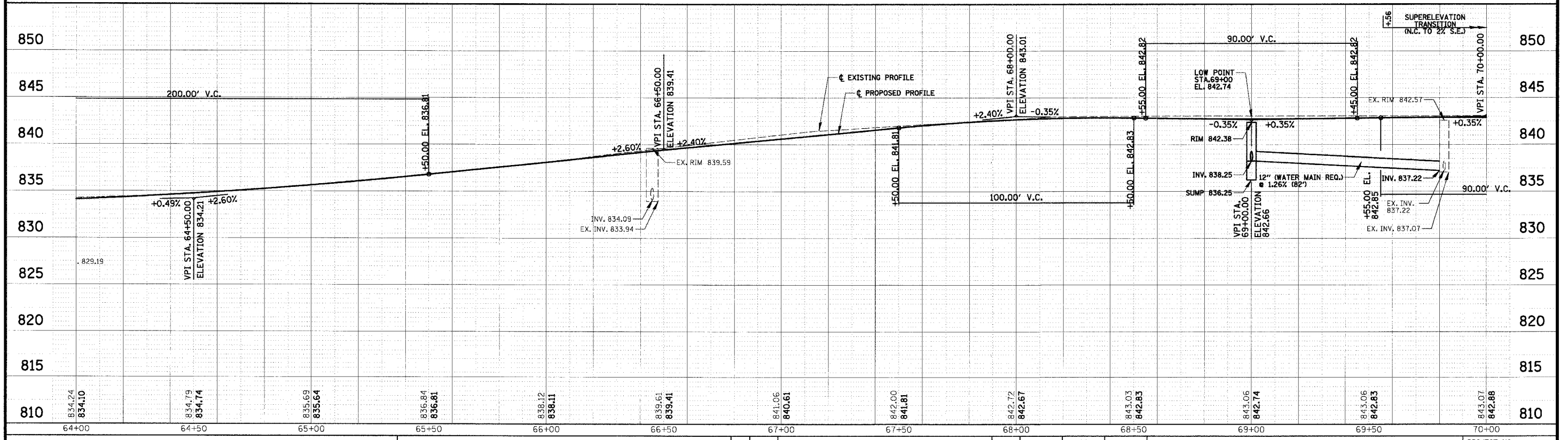
TITLE: **WALNUT LANE PLAN AND PROFILE**  
**STA. 58+00 TO STA. 64+00**  
**C-91-108-04**

PROJECT NO. 01-434  
 SHEET 27 OF 98  
 DRAWING NO. **27**

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	28
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT No. 83799				



NOTE:  
ALL DRIVEWAY ARE PCC DRIVEWAY PAVEMENT 7", EXCEPT AS NOTED.



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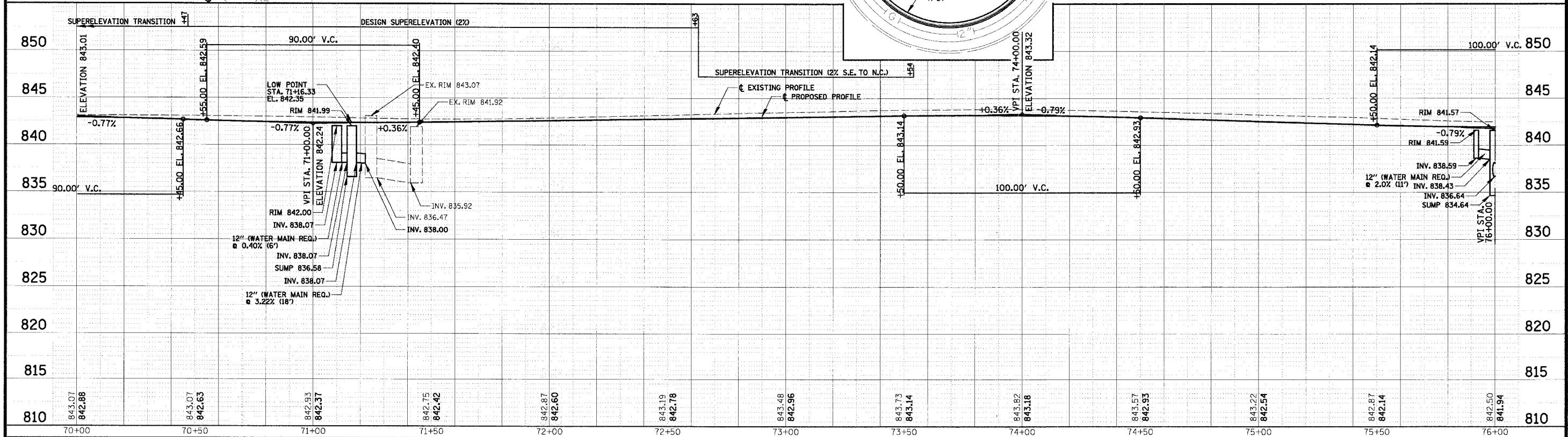
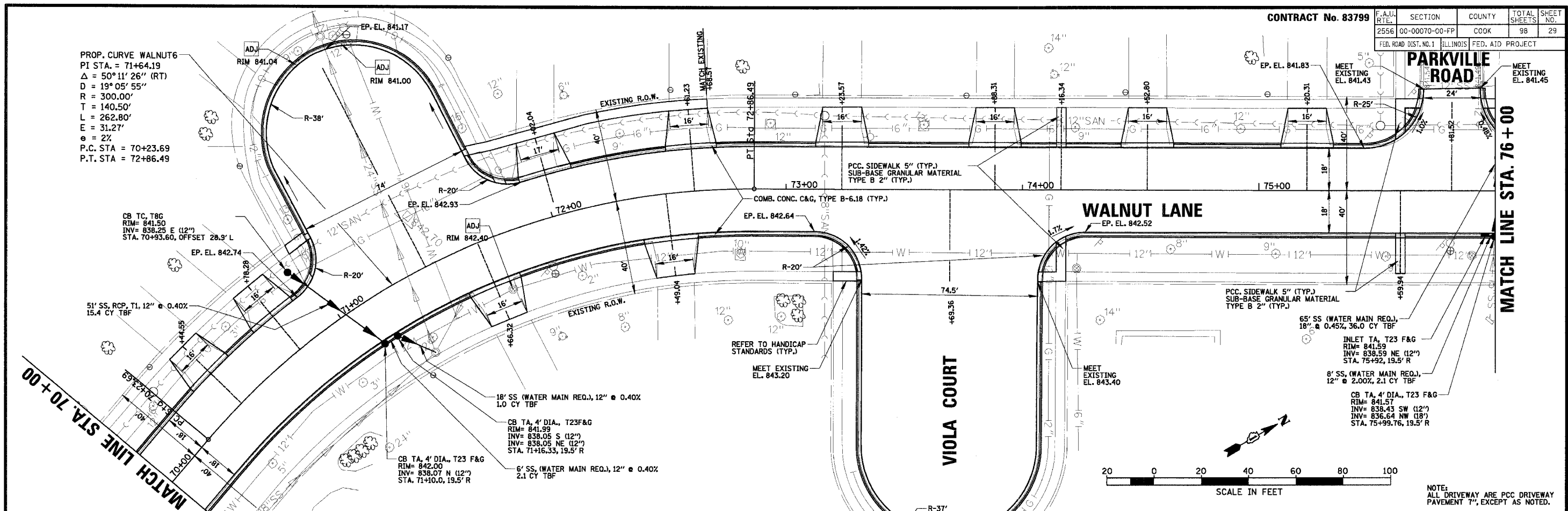
CLIENT:  
**VILLAGE OF SCHAUMBURG**  
Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE	NAME		

DSGN. GS  
DWN. GS  
CHKD. JGS  
SCALE: 1" = 20' HOR.  
1" = 5' VERT.  
DATE: 04/05/2005

TITLE:  
**WALNUT LANE PLAN AND PROFILE**  
STA. 64+00 TO STA. 70+00  
C-91-108-04

PROJECT NO. 01-434  
SHEET 28 OF 98  
DRAWING NO. 28



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 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

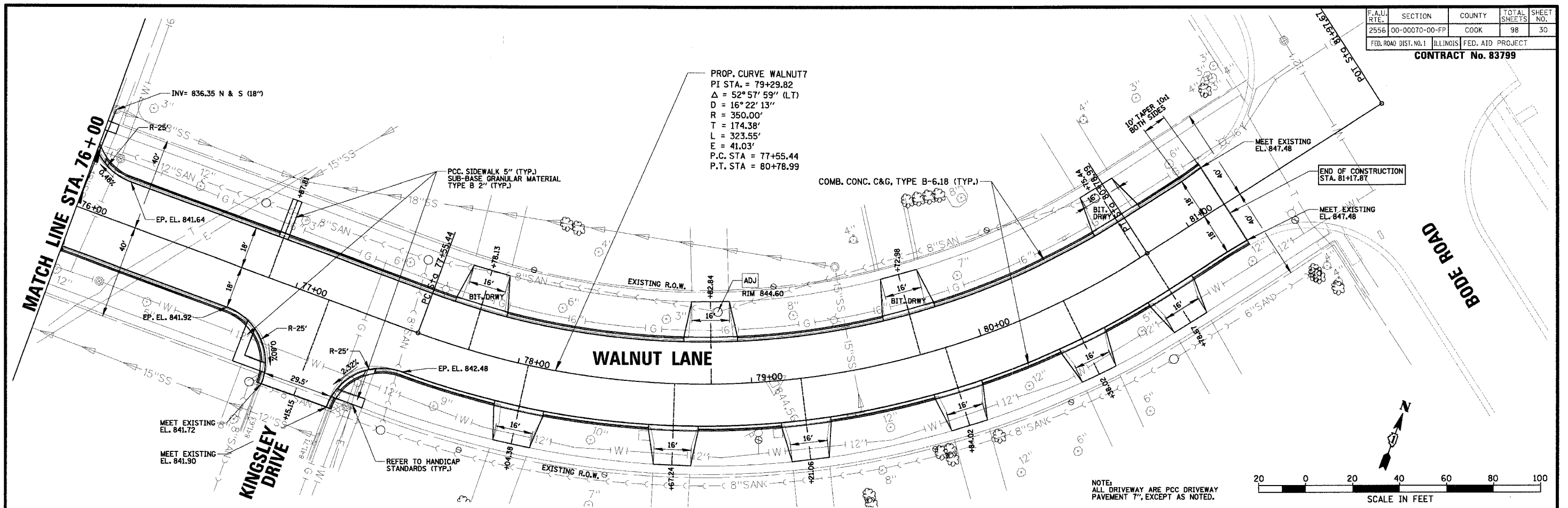
NO.	DATE	NATURE OF REVISION	CHKD.
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FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\PR_434_12.RPP		

DSGN.	GS
DWN.	GS
CHKD.	JGS
SCALE:	1" = 20' HOR. 1" = 5' VERT.
DATE:	04/05/2005

TITLE: **WALNUT LANE PLAN AND PROFILE**  
**STA. 70+00 TO STA. 76+00**  
**C-91-108-04**

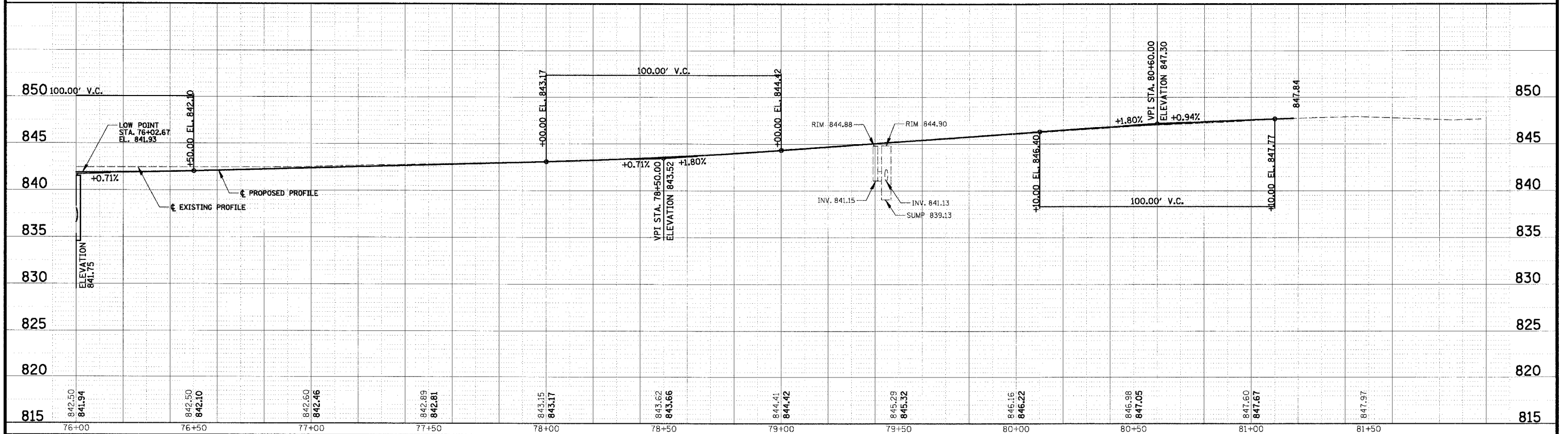
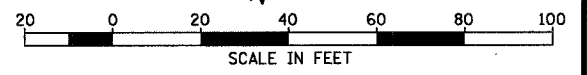
PROJECT NO.  
 01-434  
 SHEET 29 OF 98  
 DRAWING NO.  
**29**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	30
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT No. 83799				



PROP. CURVE WALNUT7  
 PI STA. = 79+29.82  
 $\Delta = 52^\circ 57' 59''$  (LT)  
 $D = 16^\circ 22' 13''$   
 $R = 350.00'$   
 $T = 174.38'$   
 $L = 323.55'$   
 $E = 41.03'$   
 P.C. STA = 77+55.44  
 P.T. STA = 80+78.99

NOTE:  
 ALL DRIVEWAY ARE PCC DRIVEWAY  
 PAVEMENT 7", EXCEPT AS NOTED.



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 Engineering Department  
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 Schaumburg, IL. 60193-7806

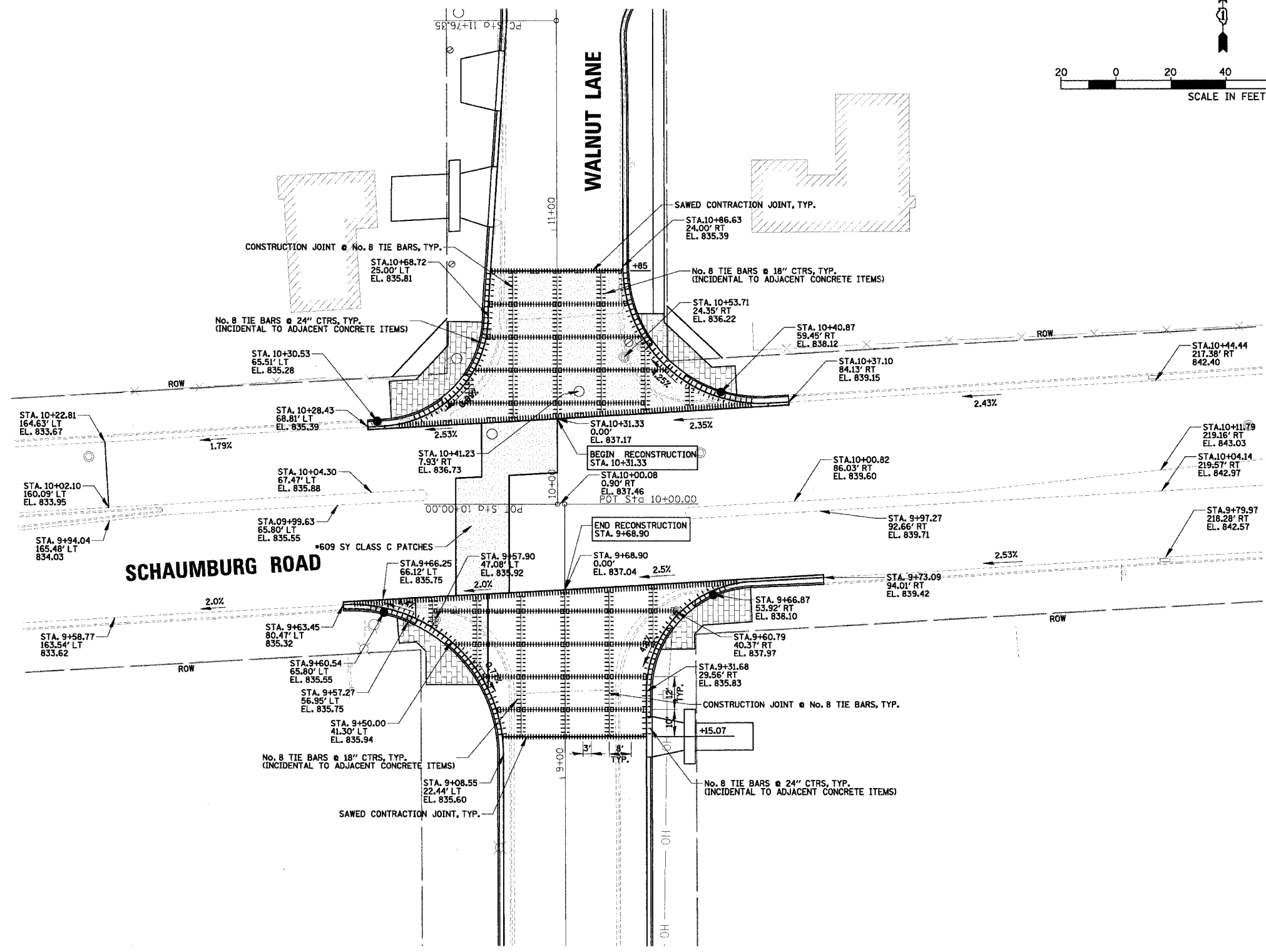
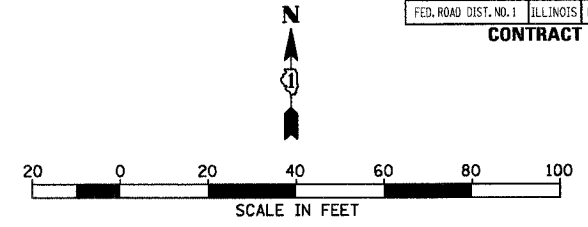
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DWN.	GS		
CHKD.	JCS		
SCALE:	1/4" = 20' HOR. 1/2" = 2' VERT.		
DATE:	04/05/2005		

TITLE: **WALNUT LANE PLAN AND PROFILE**  
**STA. 76+00 TO STA. 81+17.87**  
**C-91-108-04**

PROJECT NO. 01-434  
 SHEET 30 OF 98  
 DRAWING NO. **30**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	31
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT No. 83799



\* THIS SHALL BE INSTALLED AT THE LOCATION OF THE TEMPORARY PATCH INSTALLED BY COMED.

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 Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
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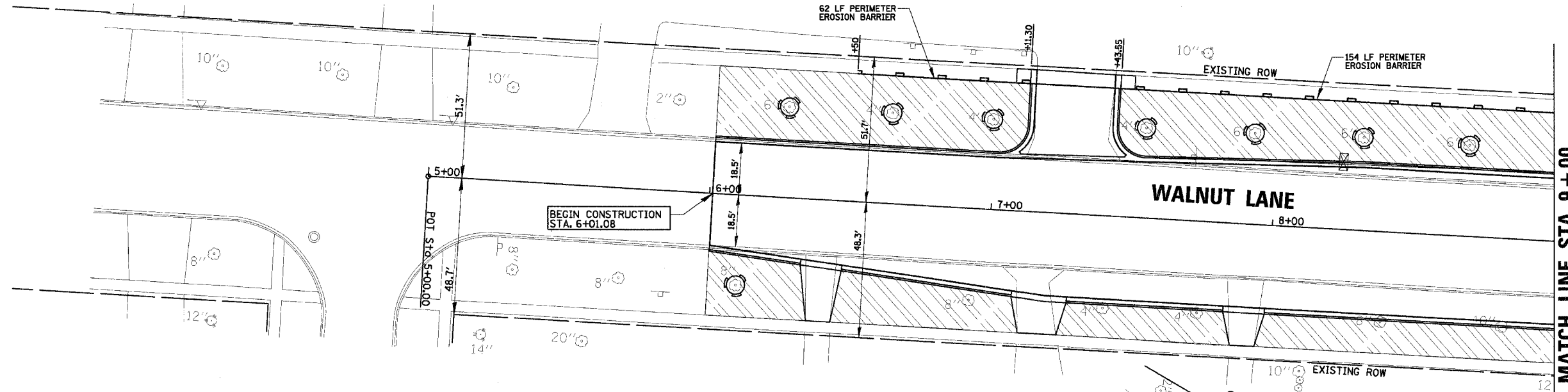
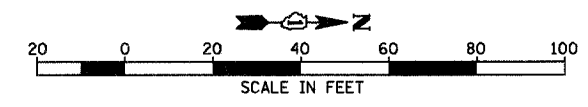
DSGN.	GS
DWN.	GS
CHKD.	JGS
SCALE:	1" = 20'
DATE:	04/05/2005

TITLE: **WALNUT LANE INTERSECTION DETAIL PLAN**  
**C-91-108-04**

PROJECT NO. 01-434  
 SHEET 31 OF 98  
 DRAWING NO. **31**

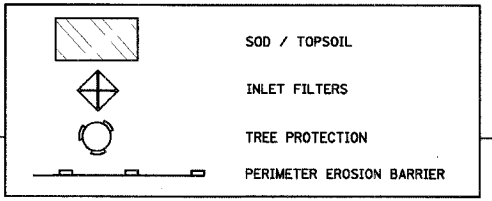
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	32
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT No. 83799

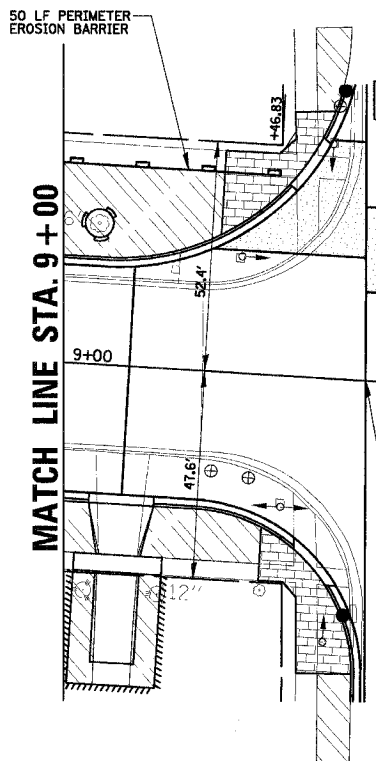


MATCH LINE STA. 9 + 00

LEGEND:

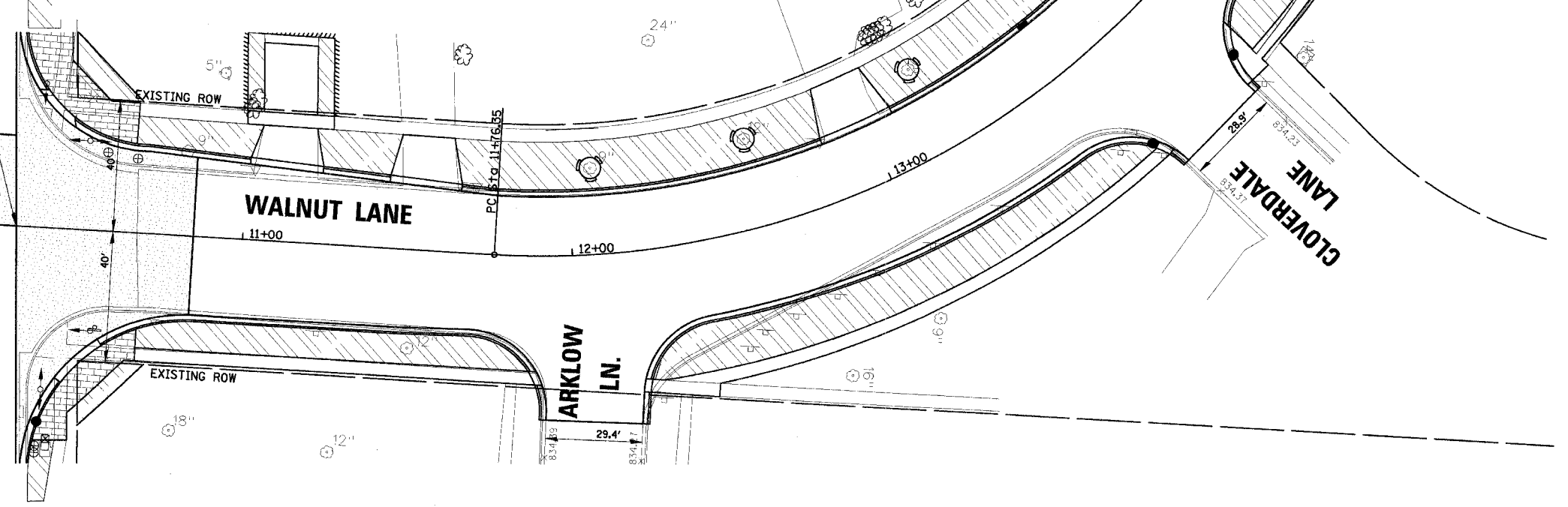


NOTE:  
FOR PROPOSED STRUCTURES IDENTIFICATION  
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SCHAUMBURG ROAD

END RECONSTRUCTION STA. 9+68.90



MATCH LINE STA. 14 + 50

CLOVERDALE LANE

ARKLOW LN.

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Engineering Department  
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Schaumburg, IL. 60193-7806

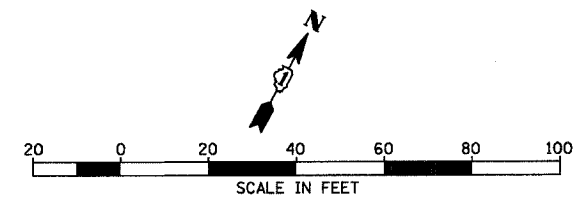
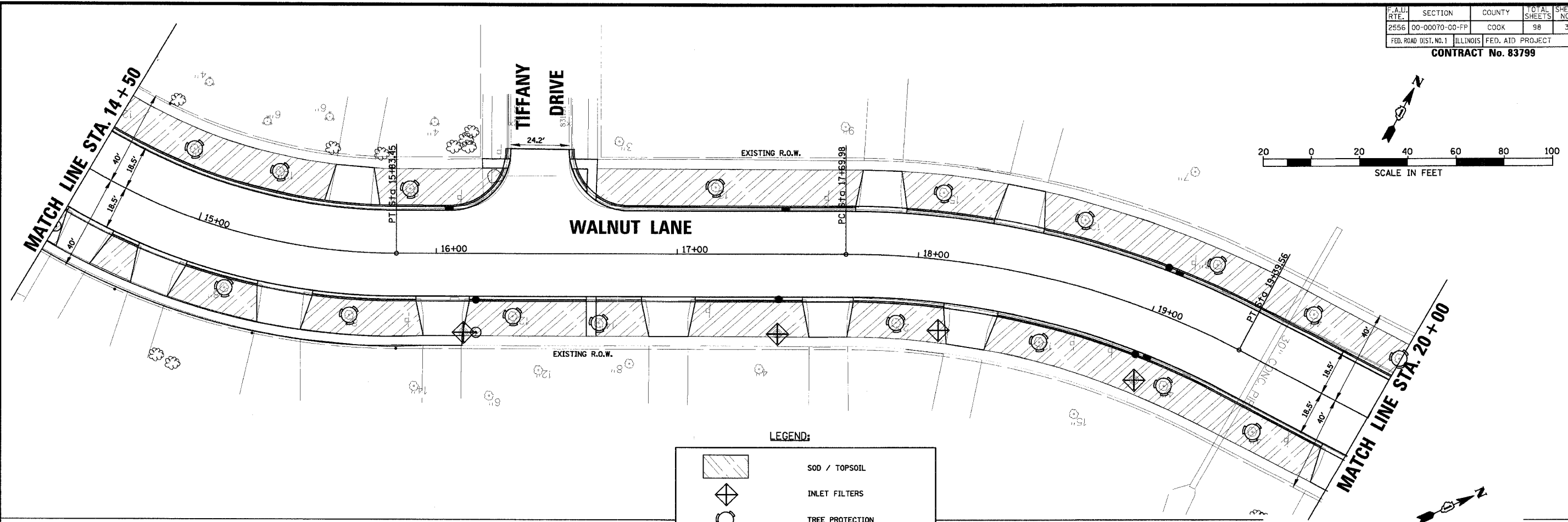
NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\434_01_ECP.ECP		
DSGN.	GS		
DWN.	GS		
CHKD.	JGS		
SCALE:	1" = 20'		
DATE:	04/05/2005		

TITLE: **LANDSCAPING AND EROSION CONTROL PLAN**  
C-91-108-04

PROJECT NO. 01-434  
SHEET 32 OF 98  
DRAWING NO. **32**



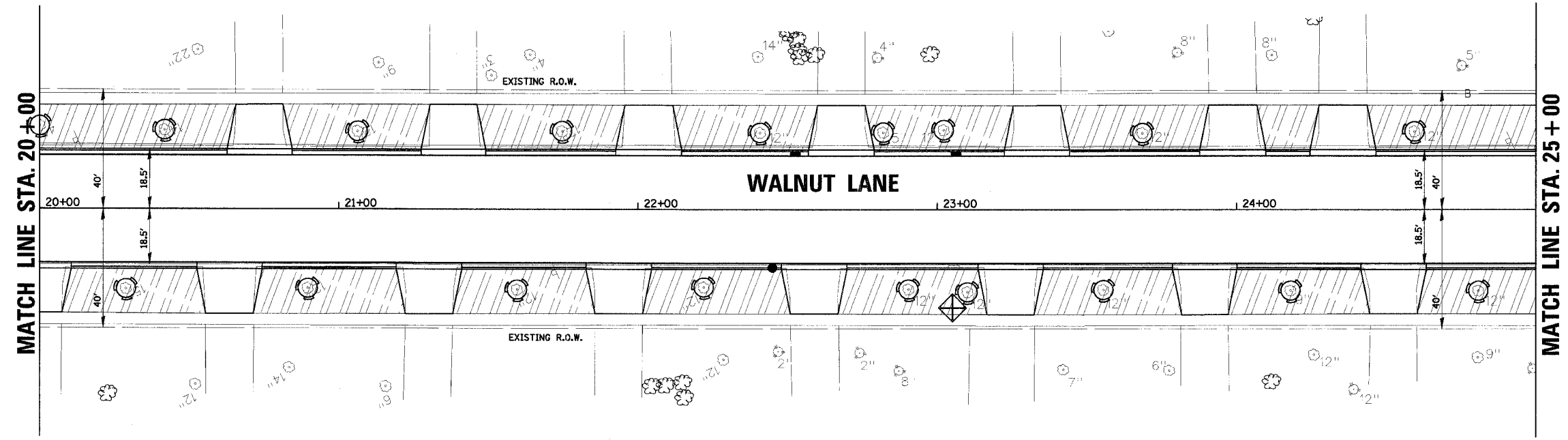
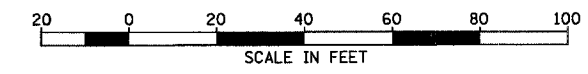
F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT No. 83799				



**LEGEND:**

	SOD / TOPSOIL
	INLET FILTERS
	TREE PROTECTION
	PERIMETER EROSION BARRIER

NOTE:  
FOR PROPOSED STRUCTURES IDENTIFICATION  
SEE PLAN & PROFILE SHEETS



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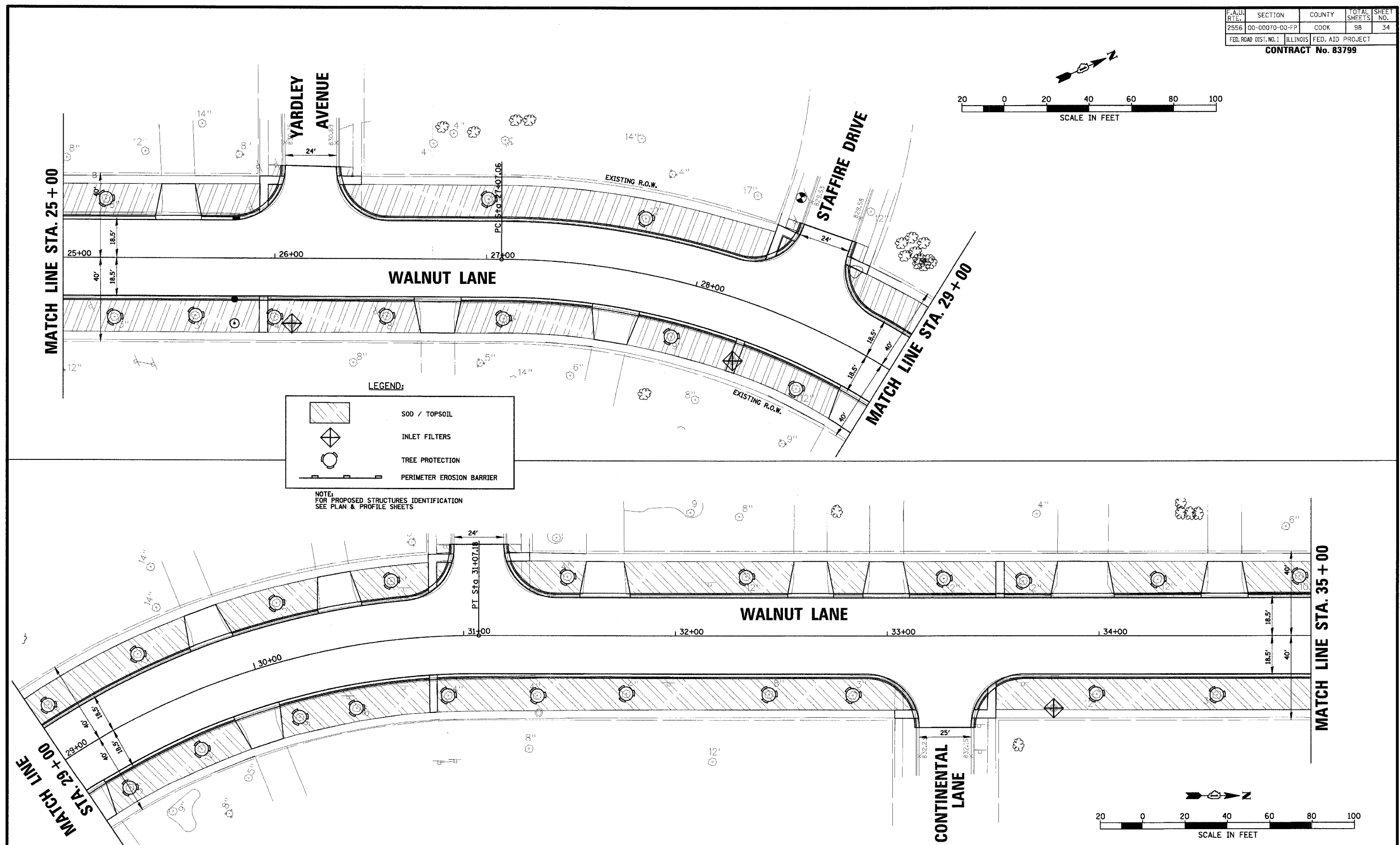
CLIENT: **VILLAGE OF SCHAUMBURG**  
Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
1	04/05/2005	DESIGN	GS
2		DRAWING	GS
3		CHECKED	JGS
SCALE: 1" = 20'		DATE:	04/05/2005

TITLE: **LANDSCAPING AND EROSION CONTROL PLAN**  
C-91-108-04

PROJECT NO. 01-434  
SHEET 33 OF 98  
DRAWING NO. **33**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	34
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT
CONTRACT No. 83799				



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 Schaumburg, IL. 60193-7806

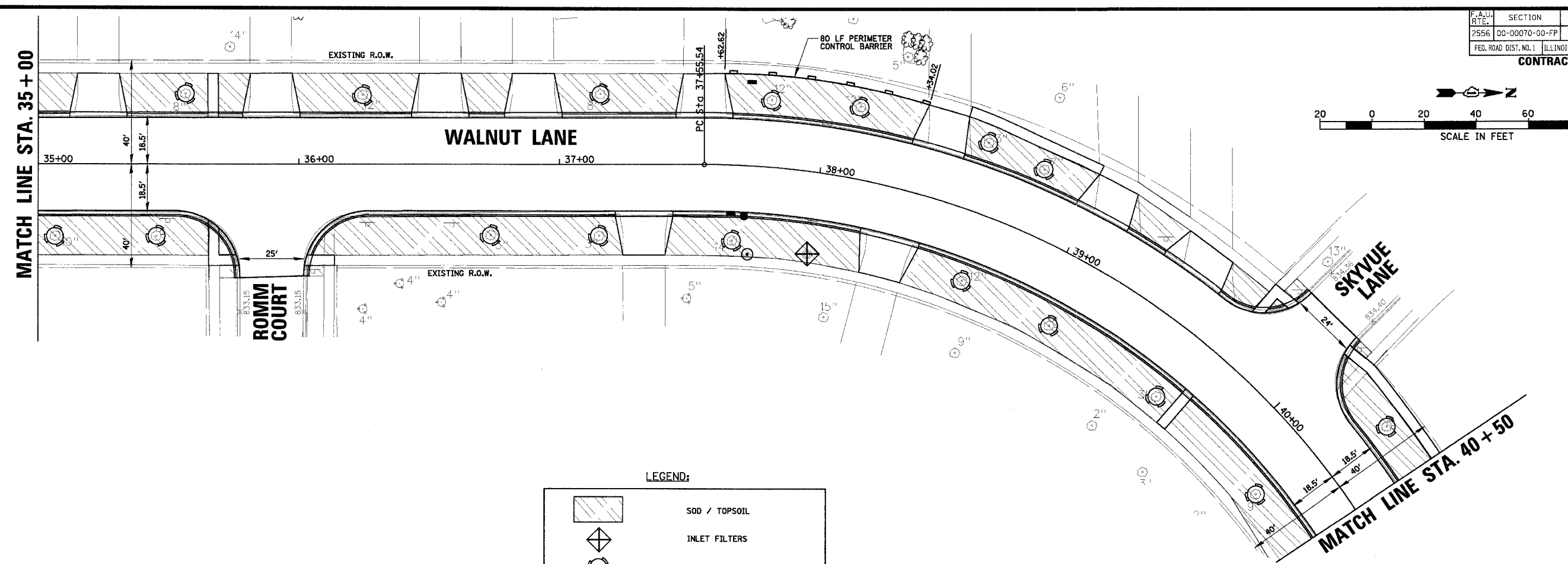
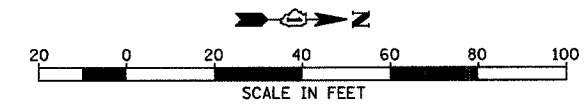
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DWN.	GS		
CHKD.	JGS		
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DATE:	04/05/2005		

TITLE: **LANDSCAPING AND EROSION CONTROL PLAN**  
**C-91-108-04**





PROJECT NO.  
01-434  
 SHEET 34 OF 98  
 DRAWING NO.  
**34**

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-0070-00-PP	COOK	98	35
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

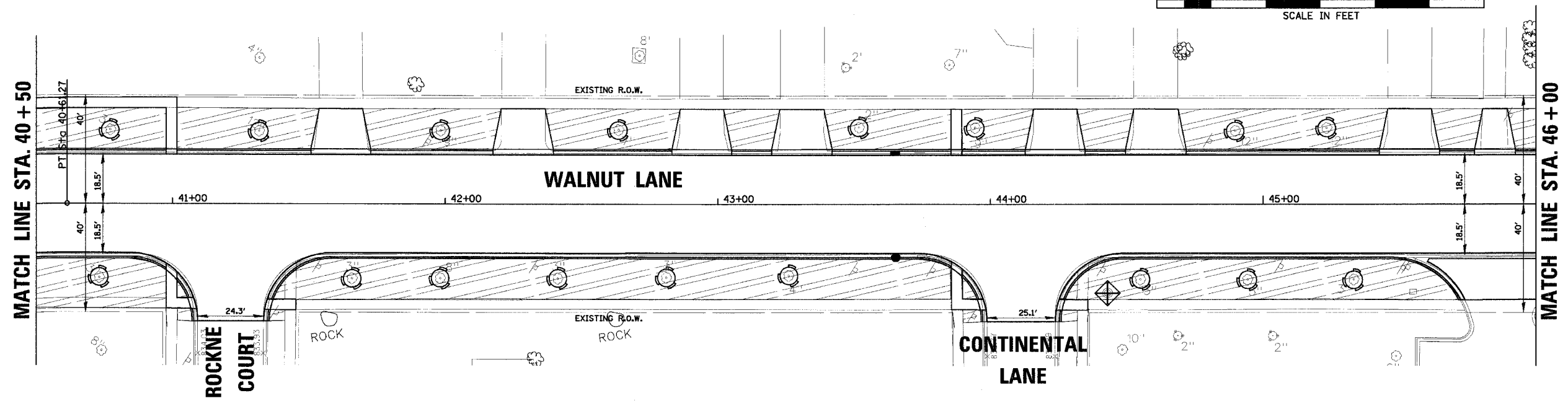
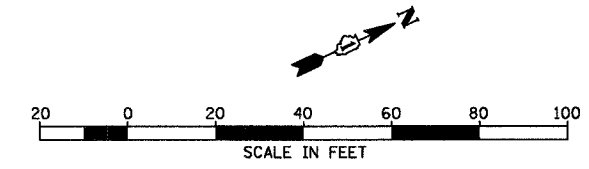
CONTRACT No. 83799



**LEGEND:**

-  SOD / TOPSOIL
-  INLET FILTERS
-  TREE PROTECTION
-  PERIMETER EROSION BARRIER

NOTE:  
FOR PROPOSED STRUCTURES IDENTIFICATION  
SEE PLAN & PROFILE SHEETS



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Schaumburg, IL. 60193-7806

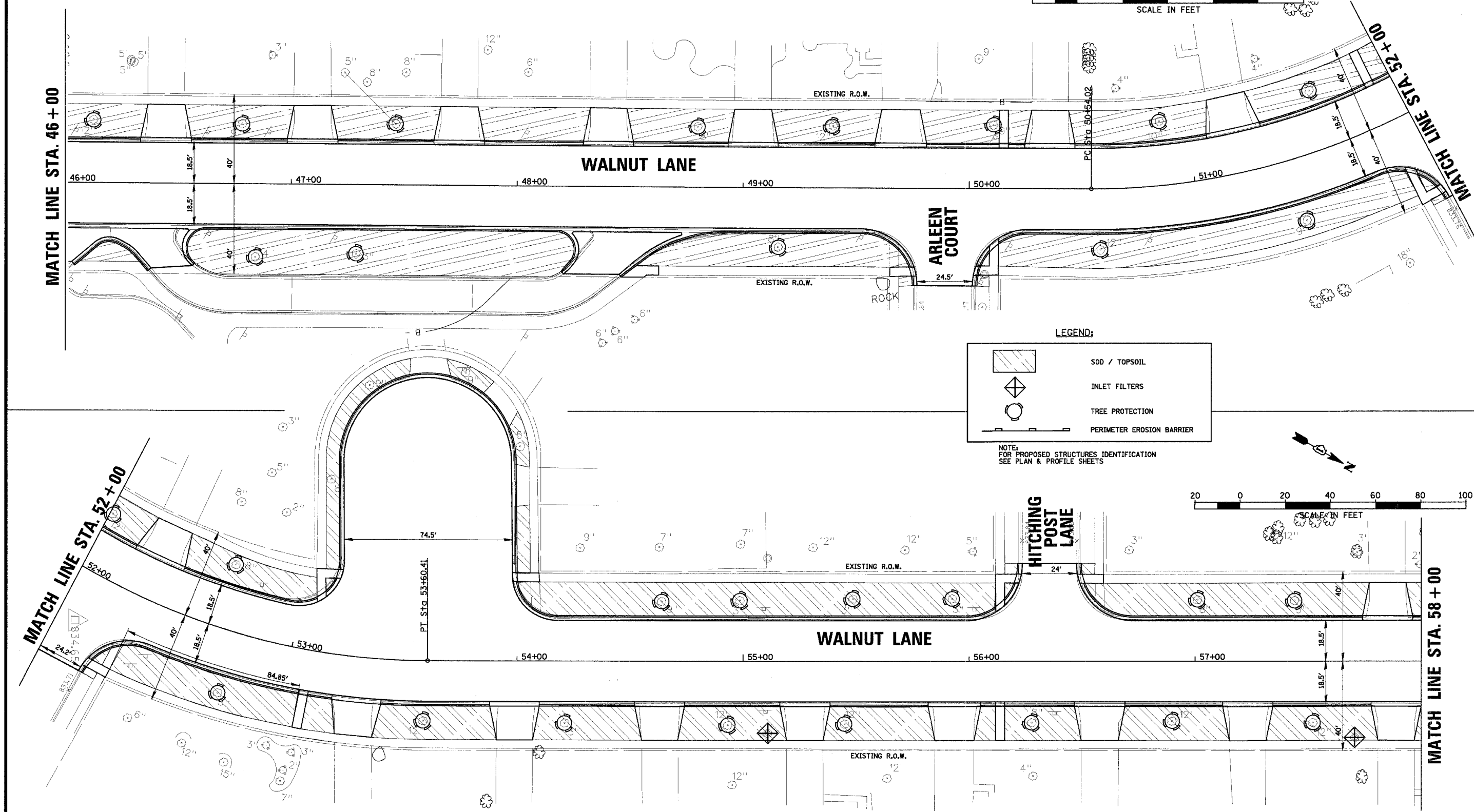
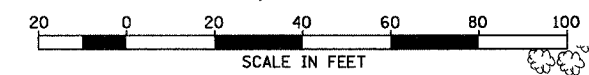
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DWN.	GS		
CHKD.	JGS		
SCALE:	1" = 20'		
DATE:	04/05/2005		

TITLE: **LANDSCAPING AND EROSION CONTROL PLAN**  
C-91-108-04

PROJECT NO. 01-434  
SHEET 35 OF 98  
DRAWING NO. **35**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	36
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

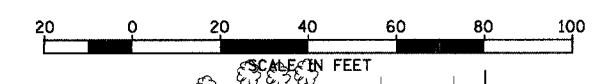
CONTRACT No. 83799



LEGEND:

	SOD / TOPSOIL
	INLET FILTERS
	TREE PROTECTION
	PERIMETER EROSION BARRIER

NOTE:  
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Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

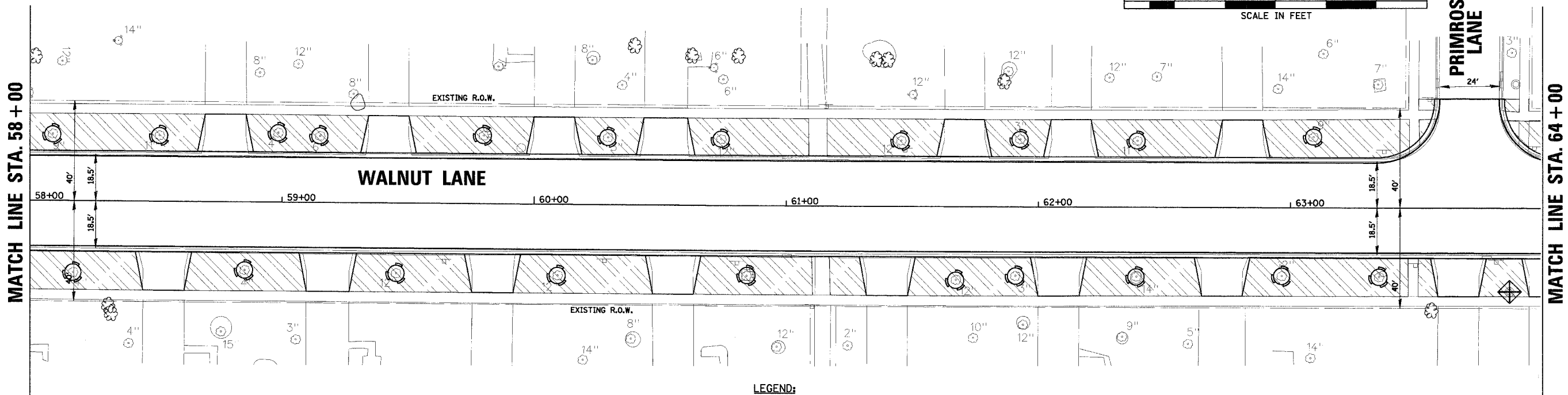
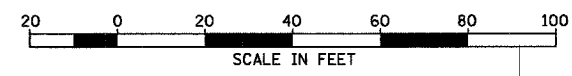
NO.	DATE	NATURE OF REVISION	CHKD.
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DWN.	GS		
CHKD.	JGS		
SCALE:	1" = 20'		
DATE:	04/05/2005		

TITLE: **LANDSCAPING AND EROSION CONTROL PLAN**  
C-91-108-04

PROJECT NO. 01-434  
SHEET 36 OF 98  
DRAWING NO. 36

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	37
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

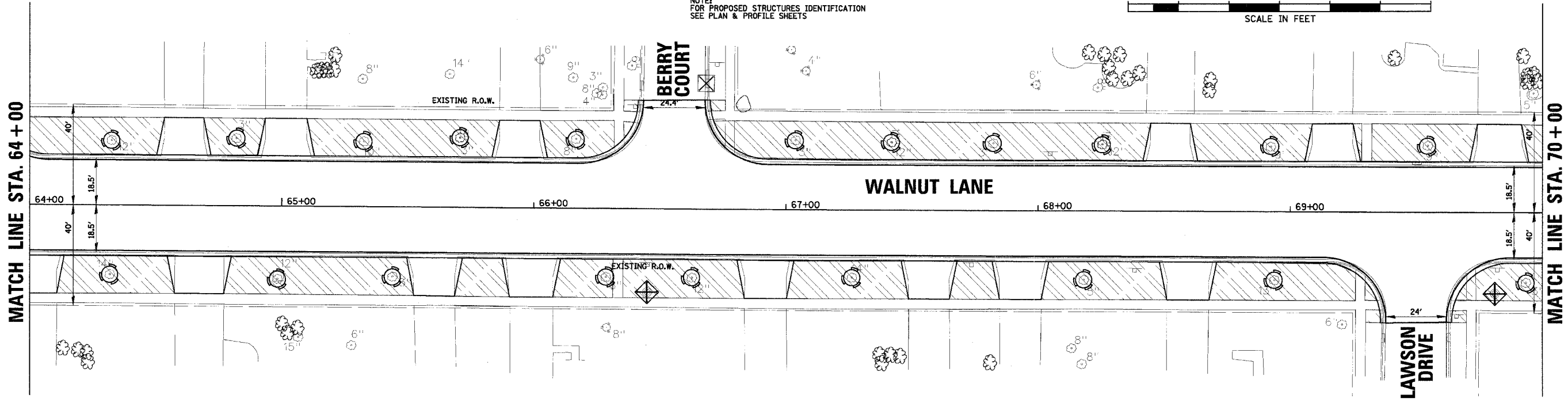
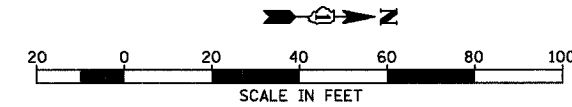
CONTRACT No. 83799



**LEGEND:**

- SOD / TOPSOIL
- INLET FILTERS
- TREE PROTECTION
- PERIMETER EROSION BARRIER

NOTE:  
FOR PROPOSED STRUCTURES IDENTIFICATION  
SEE PLAN & PROFILE SHEETS



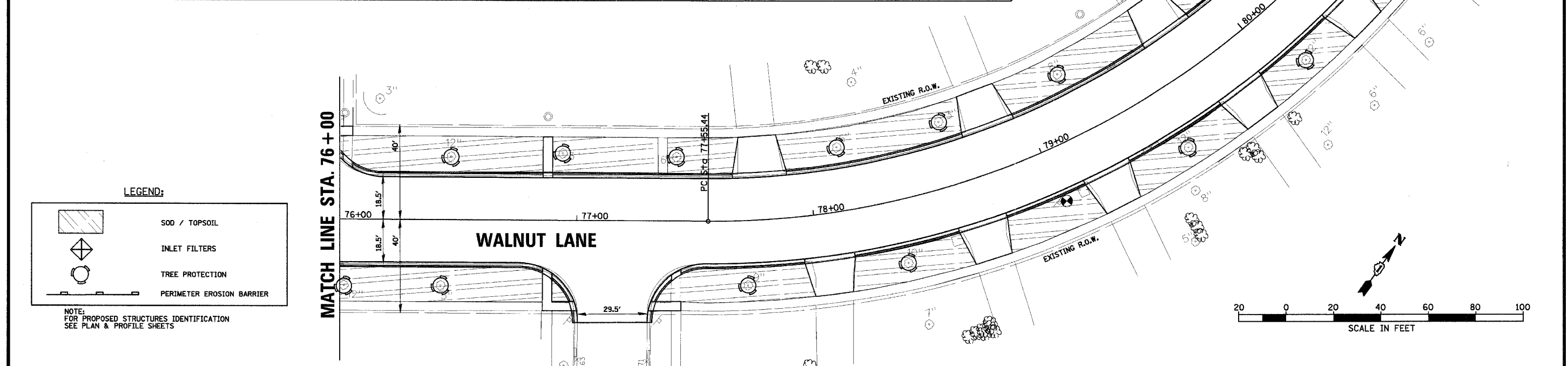
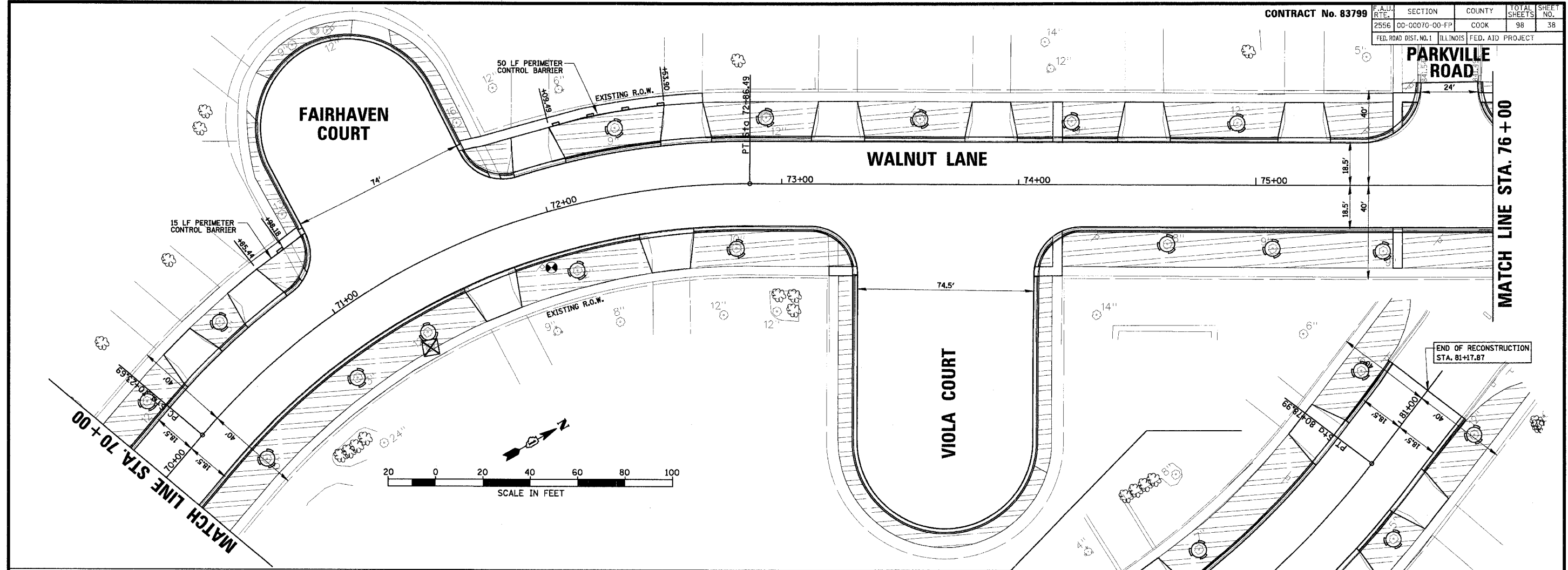
**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
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Rosemont, Illinois 60018  
(847) 823-0500

CLIENT: **VILLAGE OF SCHAUMBURG**  
Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\434_06_ECP.ECP		
DSGN.	GS		
DWN.	GS		
CHKD.	JGS		
SCALE:	1" = 20'		
DATE:	04/05/2005		

TITLE: **LANDSCAPING AND EROSION CONTROL PLAN**  
C-91-108-04

PROJECT NO. 01-434  
SHEET 37 OF 98  
DRAWING NO. **37**



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

CLIENT: **VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
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NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME		N:\SCHAUMBURG\01-434\DESIGN\434_07_ECP.ECP	
DSGN.	GS		
DWN.	GS		
CHKD.	JGS		
SCALE:	1" = 20'		
DATE:	04/05/2005		

TITLE: **LANDSCAPING AND EROSION CONTROL PLAN**  
**C-91-108-04**

PROJECT NO. 01-434  
 SHEET 38 OF 98  
 DRAWING NO. **38**

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER. THE SIGNS SHALL BE RELOCATED TO THE PERMANENT SIGNALS WHEN THE NEW SIGNALS ARE TURNED ON.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

TEMPORARY TRAFFIC SIGNAL LEGEND

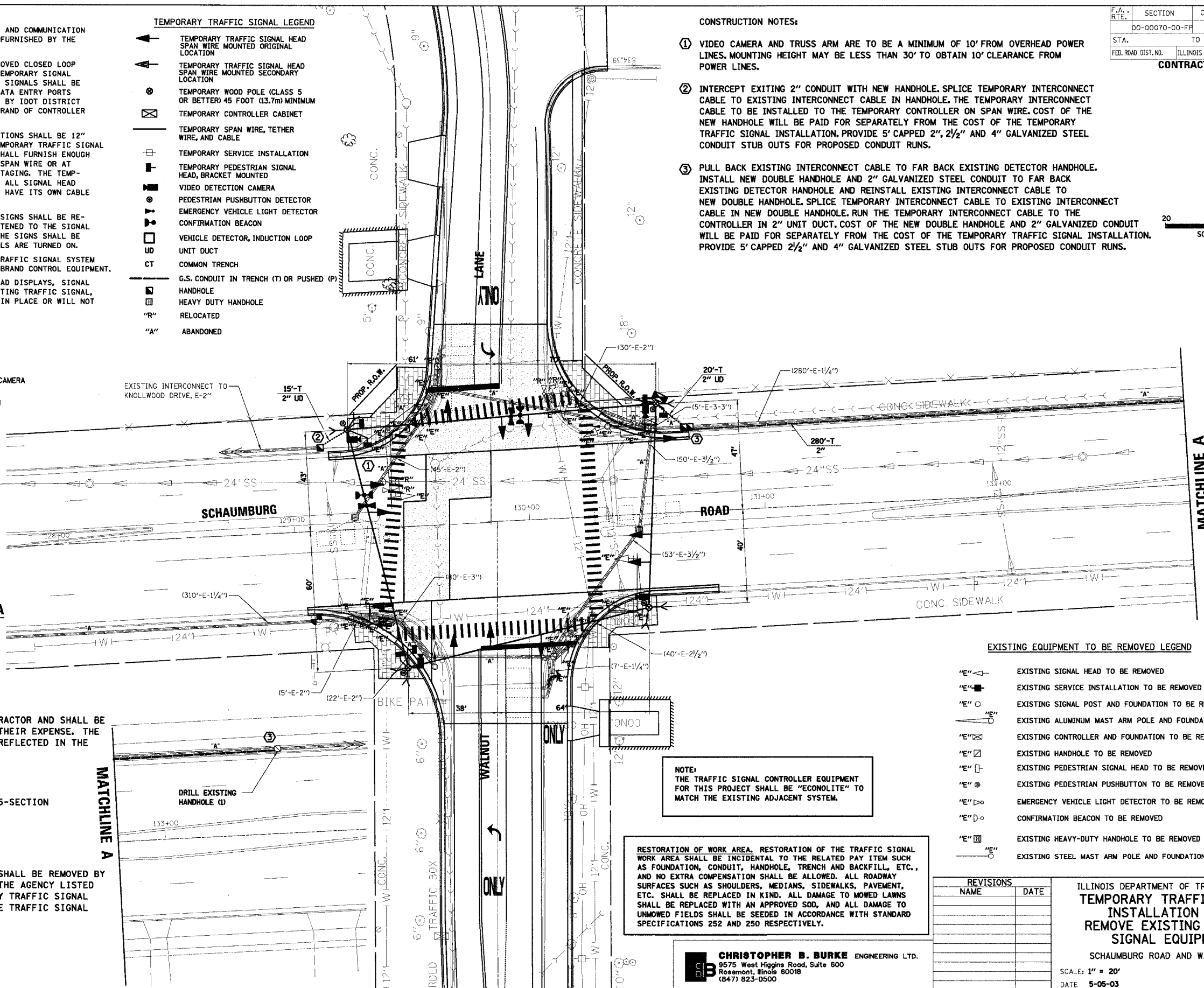
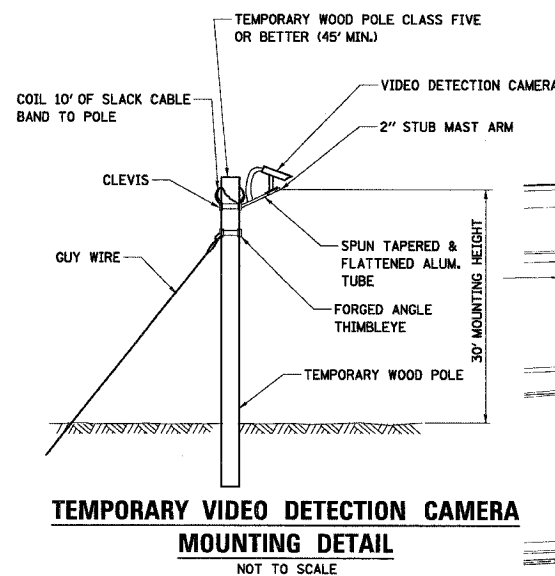
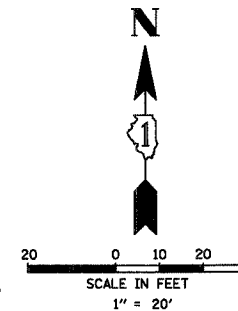
- ← TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- ← TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- ⊙ TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM
- ⊠ TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- ⊕ TEMPORARY SERVICE INSTALLATION
- ⊖ TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- ⊙ VIDEO DETECTION CAMERA
- ⊙ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊙ EMERGENCY VEHICLE LIGHT DETECTOR
- ⊙ CONFIRMATION BEACON
- ⊙ VEHICLE DETECTOR, INDUCTION LOOP
- UD UNIT DUCT
- CT COMMON TRENCH
- G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
- ⊙ HANDHOLE
- ⊙ HEAVY DUTY HANDHOLE
- "R" RELOCATED
- "A" ABANDONED

CONSTRUCTION NOTES:

- VIDEO CAMERA AND TRUSS ARM ARE TO BE A MINIMUM OF 10' FROM OVERHEAD POWER LINES. MOUNTING HEIGHT MAY BE LESS THAN 30' TO OBTAIN 10' CLEARANCE FROM POWER LINES.
- INTERCEPT EXISTING 2" CONDUIT WITH NEW HANDHOLE. SPLICE TEMPORARY INTERCONNECT CABLE TO EXISTING INTERCONNECT CABLE IN HANDHOLE. THE TEMPORARY INTERCONNECT CABLE TO BE INSTALLED TO THE TEMPORARY CONTROLLER ON SPAN WIRE. COST OF THE NEW HANDHOLE WILL BE PAID FOR SEPARATELY FROM THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. PROVIDE 5' CAPPED 2", 2 1/2" AND 4" GALVANIZED STEEL CONDUIT STUB OUTS FOR PROPOSED CONDUIT RUNS.
- PULL BACK EXISTING INTERCONNECT CABLE TO FAR BACK EXISTING DETECTOR HANDHOLE. INSTALL NEW DOUBLE HANDHOLE AND 2" GALVANIZED STEEL CONDUIT TO FAR BACK EXISTING DETECTOR HANDHOLE AND REINSTALL EXISTING INTERCONNECT CABLE TO NEW DOUBLE HANDHOLE. SPLICE TEMPORARY INTERCONNECT CABLE TO EXISTING INTERCONNECT CABLE IN NEW DOUBLE HANDHOLE. RUN THE TEMPORARY INTERCONNECT CABLE TO THE CONTROLLER IN 2" UNIT DUCT. COST OF THE NEW DOUBLE HANDHOLE AND 2" GALVANIZED CONDUIT WILL BE PAID FOR SEPARATELY FROM THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. PROVIDE 5' CAPPED 2 1/2" AND 4" GALVANIZED STEEL STUB OUTS FOR PROPOSED CONDUIT RUNS.

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DO-00070-00-FP	COOK	98	39
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 83799



- REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. EACH 1**
- THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.
- 4 EACH SIGNAL HEAD, 1-FACE, 3-SECTION
  - 2 EACH SIGNAL HEAD, 1-FACE, 5-SECTION
  - 2 EACH SIGNAL HEAD, 2-FACE, 3-SECTION
  - 2 EACH SIGNAL HEAD, 2-FACE, 1 3-SECTION, 1 5-SECTION
  - 2 EACH SIGNAL POST - 13'
  - 1 EACH SIGNAL POST - 16'
  - 1 EACH SIGNAL POST - 18'
  - 2 EACH ALUMINUM MAST ARM ASSEMBLY AND POLE
  - 4 EACH PEDESTRIAN PUSHBUTTON

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL DELIVER TO THE COUNTY TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- AGENCY: COOK COUNTY HIGHWAY DEPARTMENT
- 1 EACH CONTROLLER CABINET (COMPLETE)
  - 4 EACH LED PEDESTRIAN SIGNAL HEAD, 2-FACE

- EXISTING EQUIPMENT TO BE REMOVED LEGEND**
- "E" ⊖ EXISTING SIGNAL HEAD TO BE REMOVED
  - "E" ⊕ EXISTING SERVICE INSTALLATION TO BE REMOVED
  - "E" ⊙ EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
  - "E" ⊙ EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
  - "E" ⊠ EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
  - "E" ⊠ EXISTING HANDHOLE TO BE REMOVED
  - "E" ⊖ EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
  - "E" ⊙ EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED
  - "E" ⊙ EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
  - "E" ⊙ CONFIRMATION BEACON TO BE REMOVED
  - "E" ⊙ EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
  - "E" ⊙ EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

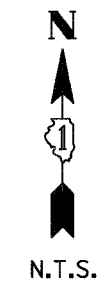
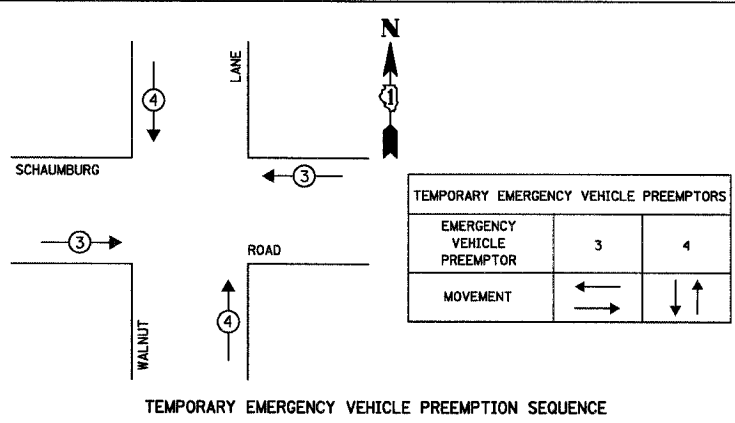
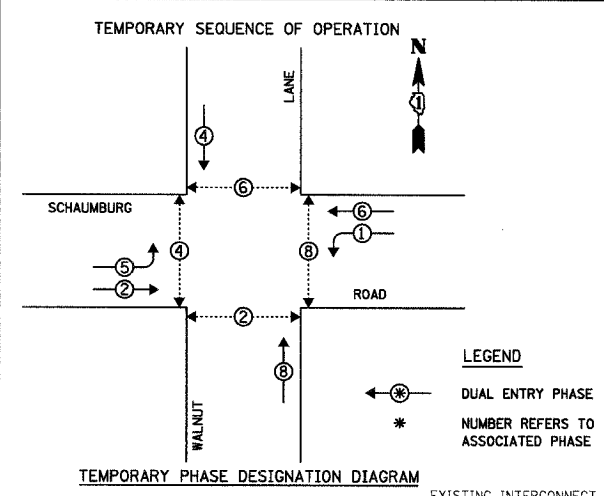
**NOTE:** THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**RESTORATION OF WORK AREA.** RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

REVISIONS	
NAME	DATE

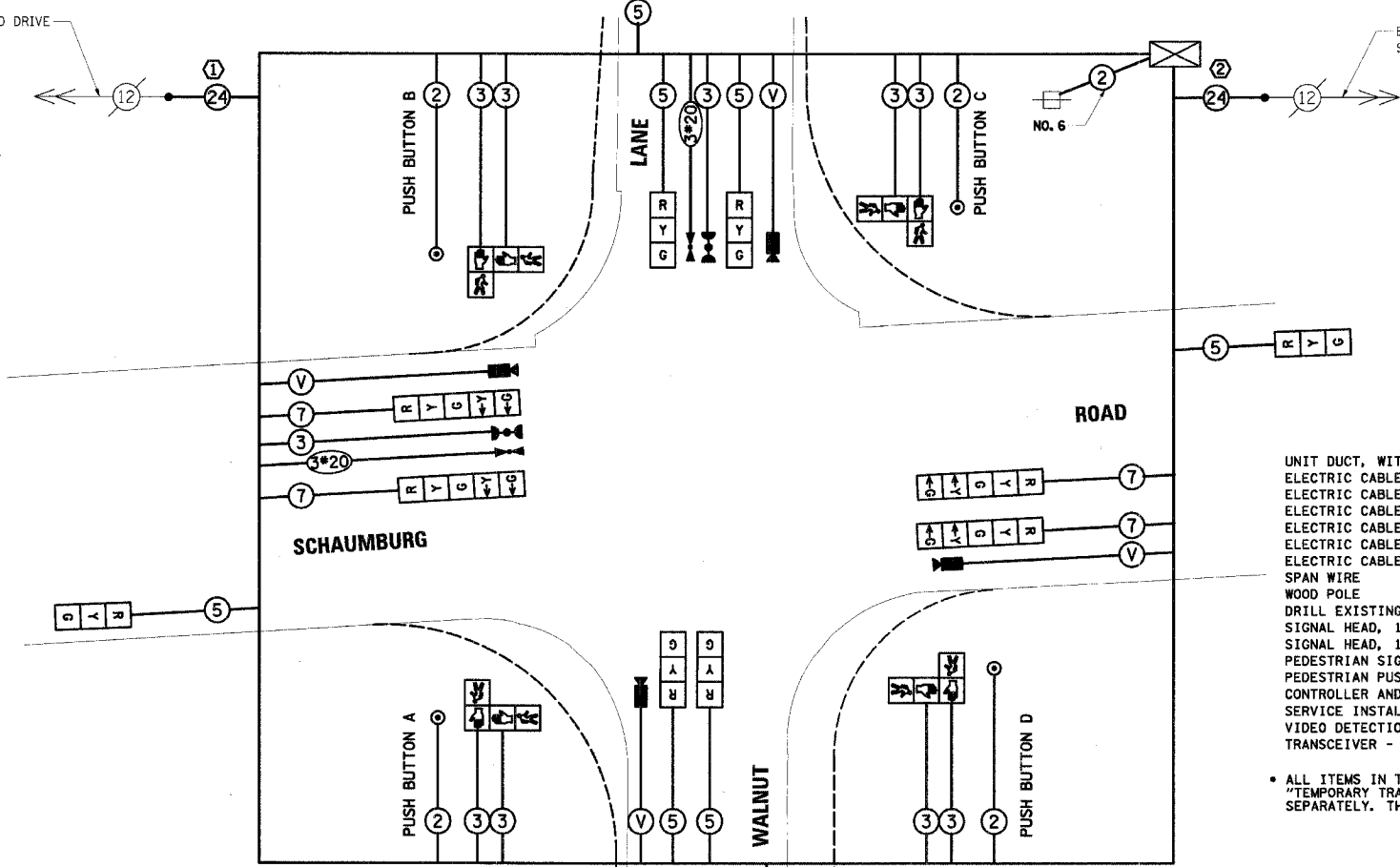
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TEMPORARY TRAFFIC SIGNAL  
 INSTALLATION PLAN  
 REMOVE EXISTING TRAFFIC  
 SIGNAL EQUIPMENT**  
 SCHAUMBURG ROAD AND WALNUT LANE  
 SCALE: 1" = 20'  
 DATE: 5-05-03  
 DRAWN BY: FCP  
 DESIGNED BY: SJP  
 CHECKED BY: GMZ

**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (647) 823-0500



**TEMPORARY CABLE DIAGRAM LEGEND**

- R TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- X TEMPORARY CONTROLLER CABINET
- + TEMPORARY SERVICE INSTALLATION
- 5 INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- E EMERGENCY VEHICLE LIGHT DETECTOR
- B CONFIRMATION BEACON
- V VEHICLE DETECTOR, INDUCTION LOOP
- P PEDESTRIAN PUSHBUTTON DETECTOR
- C 12" (300mm) PEDESTRIAN SIGNAL SECTION
- D VIDEO DETECTION CAMERA
- V VIDEO DETECTION CABLE(S) AS REQUIRED BY THE VIDEO EQUIPMENT MANUFACTURER



**ESTIMATED BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
UNIT DUCT, WITHOUT CABLE, 2"	FOOT	45
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 2C	FOOT	490
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	950
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	900
ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	530
ELECTRIC CABLE AERIAL SUSPENDED, VIDEO DETECTION	FOOT	630
ELECTRIC CABLE AERIAL SUSPENDED, SERVICE, NO. 6 2C	FOOT	50
SPAN WIRE	FOOT	440
WOOD POLE	EACH	4
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	8
SIGNAL HEAD, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, 2-FACE, 2-SECTION, BRACKET MOUNTED	EACH	4
PEDESTRIAN PUSHBUTTON	EACH	4
CONTROLLER AND CABINET	EACH	1
SERVICE INSTALLATION	EACH	1
VIDEO DETECTION SYSTEM	EACH	1
TRANSCIEVER - FIBER OPTIC	EACH	1

• ALL ITEMS IN THESE BILL OF MATERIALS ARE INCLUDED IN THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION" AND ARE NOT PAID FOR SEPARATELY. THESE ARE ESTIMATED QUANTITIES TO AID THE CONTRACTOR.

**CONSTRUCTION NOTES:**

- 1 INTERCEPT EXISTING 2" CONDUIT WITH NEW HANDHOLE. SPLICE TEMPORARY INTERCONNECT CABLE TO EXISTING INTERCONNECT CABLE IN HANDHOLE. THE TEMPORARY INTERCONNECT CABLE TO BE INSTALLED TO THE TEMPORARY CONTROLLER ON SPAN WIRE. COST OF THE NEW HANDHOLE WILL BE PAID FOR SEPARATELY FROM THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. PROVIDE 5' CAPPED 2", 2 1/2" AND 4" GALVANIZED STEEL CONDUIT STUB OUTS FOR PROPOSED CONDUIT RUNS.
- 2 PULL BACK EXISTING INTERCONNECT CABLE TO FAR BACK EXISTING DETECTOR HANDHOLE. INSTALL NEW DOUBLE HANDHOLE AND 2" GALVANIZED STEEL CONDUIT TO FAR BACK EXISTING DETECTOR HANDHOLE AND REINSTALL EXISTING INTERCONNECT CABLE TO NEW DOUBLE HANDHOLE. SPLICE TEMPORARY INTERCONNECT CABLE TO EXISTING INTERCONNECT CABLE IN NEW DOUBLE HANDHOLE. RUN THE TEMPORARY INTERCONNECT TO THE CONTROLLER IN 2" UNIT DUCT. COST OF NEW DOUBLE HANDHOLE AND 2" GALVANIZED CONDUIT WILL BE PAID FOR SEPARATELY FROM THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. PROVIDE 5' CAPPED 2 1/2" AND 4" GALVANIZED STEEL STUB OUTS FOR PROPOSED CONDUIT RUNS.

**NOTES:**

- PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
- PUSH BUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6
- PUSH BUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
- PUSH BUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TEMPORARY CABLE PLAN AND PHASE DESIGNATION DIAGRAM**  
 SCHAUMBURG ROAD AND WALNUT LANE

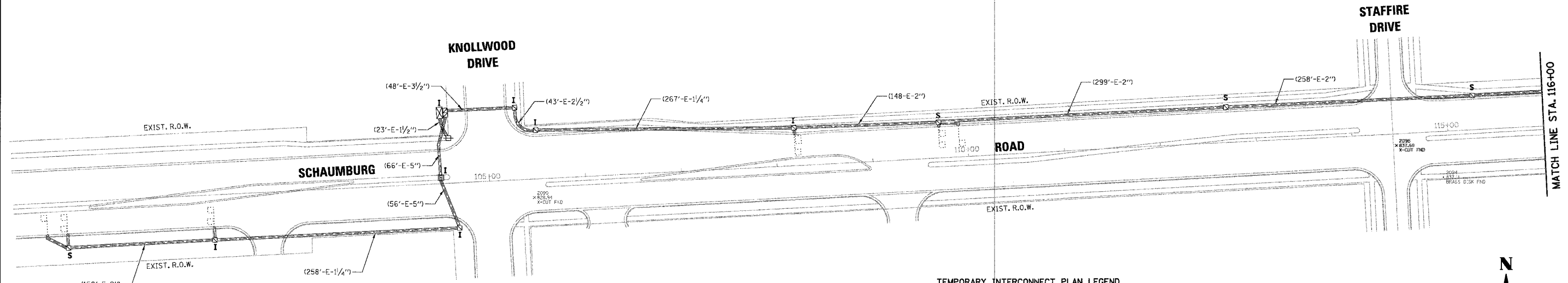
**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

SCALE: 1" = 20'  
 DATE: 5-05-03  
 DRAWN BY: FCP  
 DESIGNED BY: SJP  
 CHECKED BY: GMZ



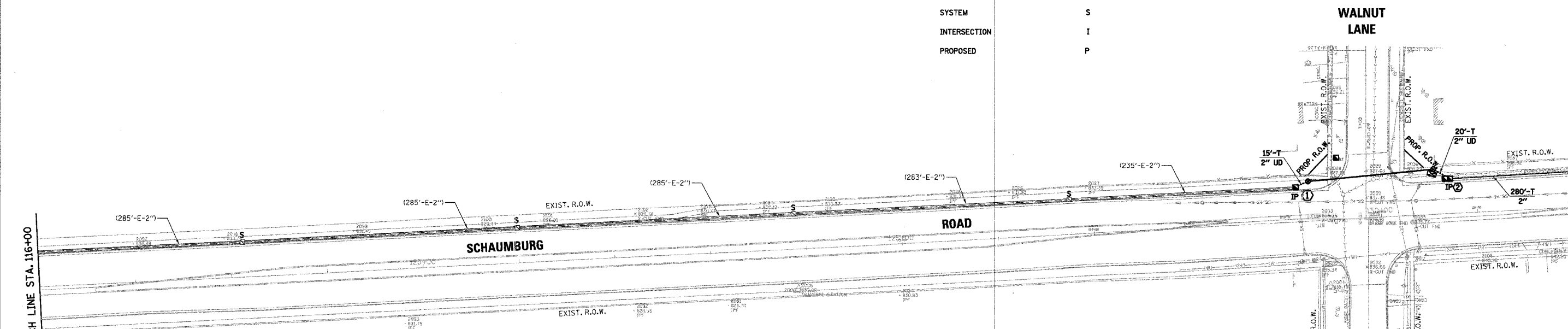
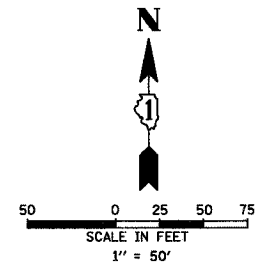
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DO-00070-00-FF		COOK	98	41
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT No. 83799



TEMPORARY INTERCONNECT PLAN LEGEND

CONTROLLER	
SERVICE INSTALLATION	
EXISTING HANDHOLE	
EXISTING CONDUIT	
AERIAL INTERCONNECT CABLE - 3 PAIR #18	
WOOD POLE CLASS 4 30 FT. MINIMUM	
SYSTEM	S
INTERSECTION	I
PROPOSED	P



CONSTRUCTION NOTES:

- ① INTERCEPT EXISTING 2" CONDUIT WITH NEW HANDHOLE, SPLICE TEMPORARY INTERCONNECT CABLE TO EXISTING INTERCONNECT CABLE IN HANDHOLE. THE TEMPORARY INTERCONNECT CABLE TO BE INSTALLED TO THE TEMPORARY CONTROLLER ON SPAN WIRE. COST OF THE NEW HANDHOLE WILL BE PAID FOR SEPARATELY FROM THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. PROVIDE 5' CAPPED 2", 2 1/2" AND 4" GALVANIZED STEEL CONDUIT STUB OUTS FOR PROPOSED CONDUIT RUNS.
- ② PULL BACK EXISTING INTERCONNECT CABLE TO FAR BACK EXISTING DETECTOR HANDHOLE. INSTALL NEW DOUBLE HANDHOLE AND 2" GALVANIZED STEEL CONDUIT TO FAR BACK EXISTING DETECTOR HANDHOLE AND REINSTALL EXISTING INTERCONNECT CABLE TO NEW DOUBLE HANDHOLE. SPLICE TEMPORARY INTERCONNECT CABLE TO EXISTING INTERCONNECT CABLE IN NEW DOUBLE HANDHOLE. RUN THE TEMPORARY INTERCONNECT TO THE CONTROLLER IN 2" UNIT DUCT. COST OF NEW DOUBLE HANDHOLE AND 2" GALVANIZED CONDUIT WILL BE PAID FOR SEPARATELY FROM THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. PROVIDE 5' CAPPED 2 1/2" AND 4" GALVANIZED STEEL STUB OUTS FOR PROPOSED CONDUIT RUNS.

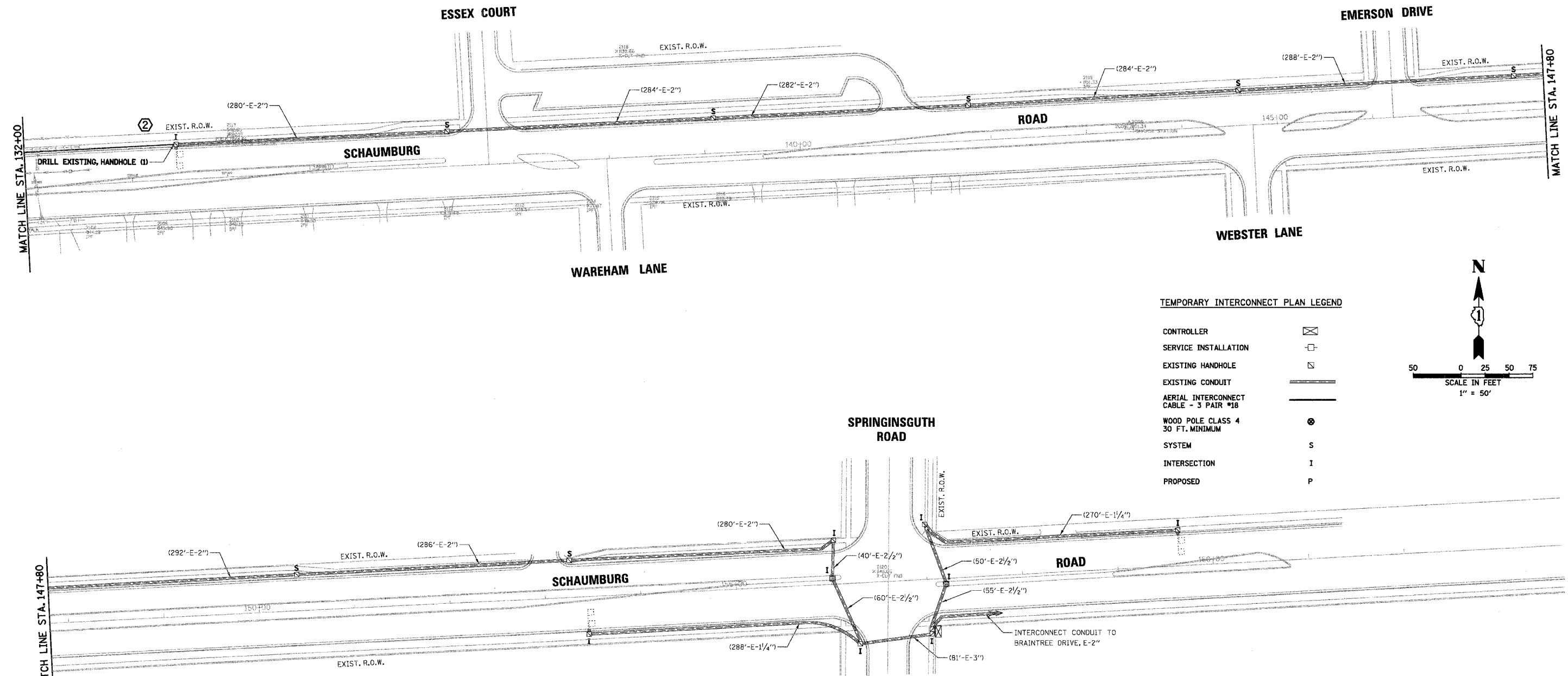
REVISIONS	NAME	DATE

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

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TEMPORARY INTERCONNECT PLAN**  
**SHEET 1**  
 SCHAUMBURG ROAD  
 FROM KNOLLWOOD DRIVE TO SPRINGSGUTH ROAD  
 SCALE: 1" = 50'  
 DATE: 5-05-03  
 DRAWN BY: FCP  
 DESIGNED BY: SJP  
 CHECKED BY: GMZ

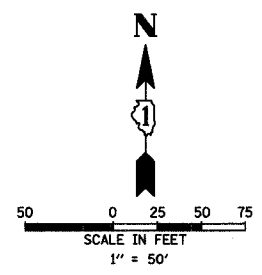
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DO-00070-00-FP	COOK	98	42
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 83799



TEMPORARY INTERCONNECT PLAN LEGEND

CONTROLLER	⊠
SERVICE INSTALLATION	□
EXISTING HANDHOLE	⊞
EXISTING CONDUIT	══
AERIAL INTERCONNECT CABLE - 3 PAIR #18	—
WOOD POLE CLASS 4 30 FT. MINIMUM	⊙
SYSTEM	S
INTERSECTION	I
PROPOSED	P



CONSTRUCTION NOTES:

- ① INTERCEPT EXISTING 2" CONDUIT WITH NEW HANDHOLE. SPLICE TEMPORARY INTERCONNECT CABLE TO EXISTING INTERCONNECT CABLE IN HANDHOLE. THE TEMPORARY INTERCONNECT CABLE TO BE INSTALLED TO THE TEMPORARY CONTROLLER ON SPAN WIRE. COST OF THE NEW HANDHOLE WILL BE PAID FOR SEPARATELY FROM THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. PROVIDE 5' CAPPED 2", 2 1/2" AND 4" GALVANIZED STEEL CONDUIT STUB OUTS FOR PROPOSED CONDUIT RUNS.
- ② PULL BACK EXISTING INTERCONNECT CABLE TO FAR BACK EXISTING DETECTOR HANDHOLE. INSTALL NEW DOUBLE HANDHOLE AND 2" GALVANIZED STEEL CONDUIT TO FAR BACK EXISTING DETECTOR HANDHOLE AND REINSTALL EXISTING INTERCONNECT CABLE TO NEW DOUBLE HANDHOLE. SPLICE TEMPORARY INTERCONNECT CABLE TO EXISTING INTERCONNECT CABLE IN NEW DOUBLE HANDHOLE. RUN THE TEMPORARY INTERCONNECT TO THE CONTROLLER IN 2" UNIT DUCT. COST OF NEW DOUBLE HANDHOLE AND 2" GALVANIZED CONDUIT WILL BE PAID FOR SEPARATELY FROM THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. PROVIDE 5' CAPPED 2 1/2" AND 4" GALVANIZED STEEL STUB OUTS FOR PROPOSED CONDUIT RUNS.

REVISIONS	
NAME	DATE

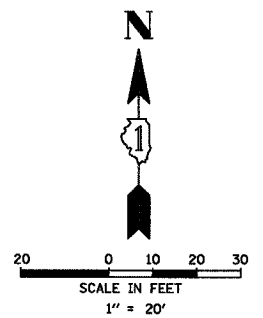
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TEMPORARY INTERCONNECT PLAN SHEET 2**  
 SCHAUMBURG ROAD  
 FROM KNOLLWOOD DRIVE TO SPRINGSGUTH ROAD  
 SCALE: 1" = 50'  
 DATE: 5-05-03  
 DRAWN BY: FCP  
 DESIGNED BY: SJP  
 CHECKED BY: GMZ

**CHRISTOPHER B. BURKE** ENGINEERING LTD.  
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 Rosemont, Illinois 60018  
 (847) 823-0500

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-0070-00-FP	COOK	98	43
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
<b>CONTRACT No. 83799</b>				

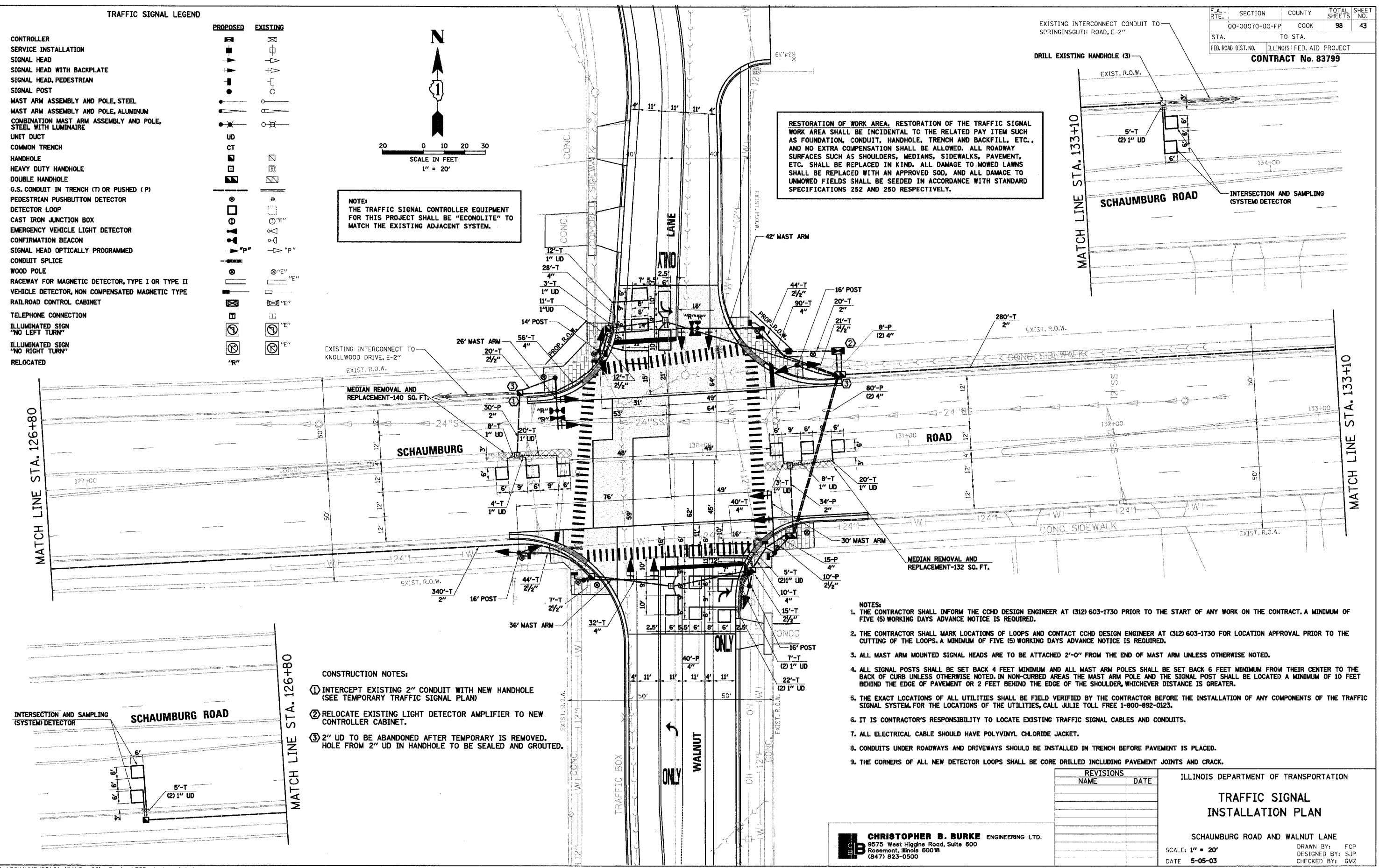
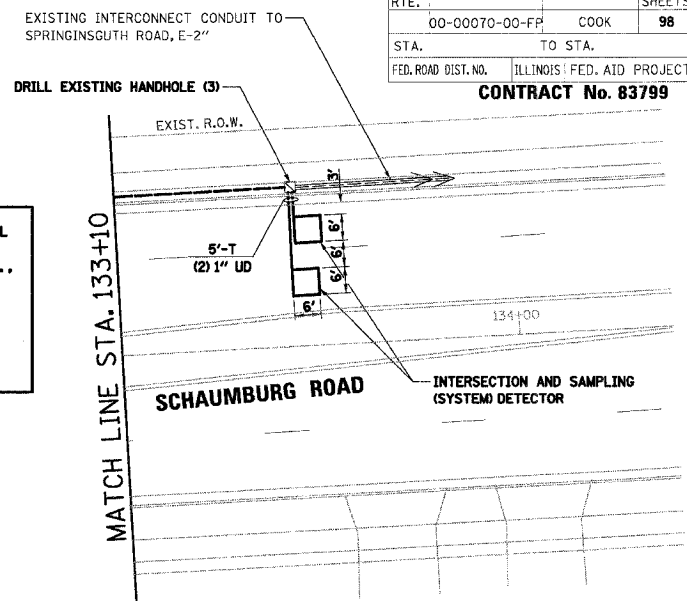
**TRAFFIC SIGNAL LEGEND**

- | PROPOSED   | EXISTING |
|--|----------|
| CONTROLLER   | [Symbol] |
| SERVICE INSTALLATION   | [Symbol] |
| SIGNAL HEAD  | [Symbol] |
| SIGNAL HEAD WITH BACKPLATE                                   | [Symbol] |
| SIGNAL HEAD, PEDESTRIAN                                      | [Symbol] |
| SIGNAL POST  | [Symbol] |
| MAST ARM ASSEMBLY AND POLE, STEEL                            | [Symbol] |
| MAST ARM ASSEMBLY AND POLE, ALUMINUM                         | [Symbol] |
| COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE | [Symbol] |
| UNIT DUCT  | [Symbol] |
| COMMON TRENCH  | [Symbol] |
| HANDHOLE   | [Symbol] |
| HEAVY DUTY HANDHOLE  | [Symbol] |
| DOUBLE HANDHOLE  | [Symbol] |
| G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)                     | [Symbol] |
| PEDESTRIAN PUSHBUTTON DETECTOR                               | [Symbol] |
| DETECTOR LOOP  | [Symbol] |
| CAST IRON JUNCTION BOX                                       | [Symbol] |
| EMERGENCY VEHICLE LIGHT DETECTOR                             | [Symbol] |
| CONFIRMATION BEACON  | [Symbol] |
| SIGNAL HEAD OPTICALLY PROGRAMMED                             | [Symbol] |
| CONDUIT SPLICE   | [Symbol] |
| WOOD POLE  | [Symbol] |
| RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II             | [Symbol] |
| VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE              | [Symbol] |
| RAILROAD CONTROL CABINET                                     | [Symbol] |
| TELEPHONE CONNECTION   | [Symbol] |
| ILLUMINATED SIGN "NO LEFT TURN"                              | [Symbol] |
| ILLUMINATED SIGN "NO RIGHT TURN"                             | [Symbol] |
| RELOCATED  | [Symbol] |



**NOTE:**  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**RESTORATION OF WORK AREA.** RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



- CONSTRUCTION NOTES:**
- INTERCEPT EXISTING 2" CONDUIT WITH NEW HANDHOLE (SEE TEMPORARY TRAFFIC SIGNAL PLAN)
  - RELOCATE EXISTING LIGHT DETECTOR AMPLIFIER TO NEW CONTROLLER CABINET.
  - 2" UD TO BE ABANDONED AFTER TEMPORARY IS REMOVED. HOLE FROM 2" UD IN HANDHOLE TO BE SEALED AND GROUTED.

- NOTES:**
- THE CONTRACTOR SHALL INFORM THE CCHD DESIGN ENGINEER AT (312) 603-1730 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
  - THE CONTRACTOR SHALL MARK LOCATIONS OF LOOPS AND CONTACT CCHD DESIGN ENGINEER AT (312) 603-1730 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS. A MINIMUM OF FIVE (5) WORKING DAYS ADVANCE NOTICE IS REQUIRED.
  - ALL MAST ARM MOUNTED SIGNAL HEADS ARE TO BE ATTACHED 2'-0" FROM THE END OF MAST ARM UNLESS OTHERWISE NOTED.
  - ALL SIGNAL POSTS SHALL BE SET BACK 4 FEET MINIMUM AND ALL MAST ARM POLES SHALL BE SET BACK 6 FEET MINIMUM FROM THEIR CENTER TO THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE AND THE SIGNAL POST SHALL BE LOCATED A MINIMUM OF 10 FEET BEHIND THE EDGE OF PAVEMENT OR 2 FEET BEHIND THE EDGE OF THE SHOULDER, WHICHEVER DISTANCE IS GREATER.
  - THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE 1-800-892-0123.
  - IT IS CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.
  - ALL ELECTRICAL CABLE SHOULD HAVE POLYVINYL CHLORIDE JACKET.
  - CONDUITS UNDER ROADWAYS AND DRIVEWAYS SHOULD BE INSTALLED IN TRENCH BEFORE PAVEMENT IS PLACED.
  - THE CORNERS OF ALL NEW DETECTOR LOOPS SHALL BE CORE DRILLED INCLUDING PAVEMENT JOINTS AND CRACK.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL INSTALLATION PLAN**

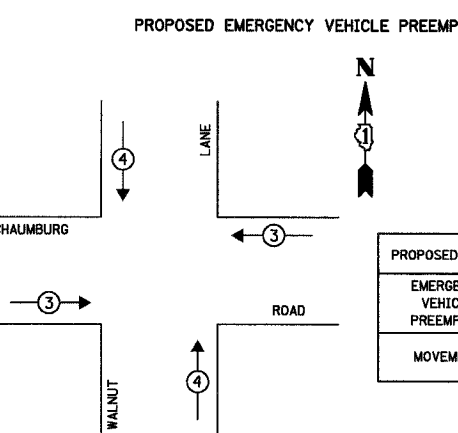
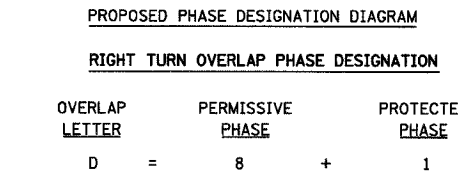
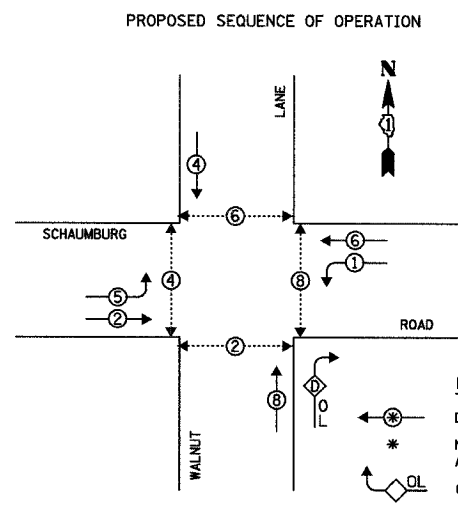
SCHAUBURG ROAD AND WALNUT LANE

SCALE: 1" = 20'

DATE: 5-05-03

DRAWN BY: FCP  
DESIGNED BY: SJP  
CHECKED BY: GMZ

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



EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←	↑

TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	12	135	12	0.10	14.40
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN	---	252	25	0.05	---
CONFIRM BEACON	4	150	---	0.05	30.00
FLASHER				0.50	
TOTAL =					640.40

ENERGY COSTS TO: TOTAL = 640.40

**COOK COUNTY HIGHWAY DEPARTMENT**  
 69 WEST WASHINGTON STREET  
 CHICAGO, ILLINOIS 60602

ENERGY SUPPLY: CONTACT: RICK GROOMES  
 PHONE: 847-816-5271  
 COMPANY: COMMONWEALTH EDISON

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'H-L-2=
C - M. ARM POLE		SIGNAL POST	2 (1.0)	(6mH-L-0.6m)=	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

CONSTRUCTION NOTES:  
 ① RELOCATE EXISTING LIGHT DETECTOR AMPLIFIER TO NEW CONTROLLER CABINET.

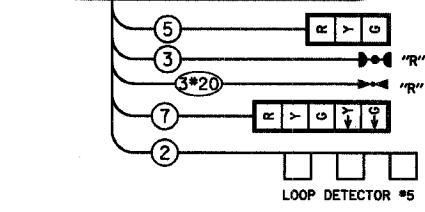
NOTE:  
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FIBER OPTIC CABLE 62.5/125 12F MULTIMODE 12F SINGLE MODE  
 INTERCONNECT TO KNOLLWOOD DRIVE

FIBER OPTIC CABLE 62.5/125 12F MULTIMODE 12F SINGLE MODE  
 INTERCONNECT TO SPRINGSGUTH ROAD

TRACER CABLE

TRACER CABLE



**CABLE PLAN**

NOTE:  
 PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 4 AND 6.  
 PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8.  
 PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 2 AND 8.

- CABLE PLAN LEGEND**
- 8" (200mm) TRAFFIC SIGNAL SECTION
  - 12" (300mm) TRAFFIC SIGNAL SECTION
  - 12" (300mm) PEDESTRIAN SIGNAL SECTION
  - 12" (300mm) PEDESTRIAN SIGNAL SECTION
  - CONTROLLER CABINET
  - SERVICE INSTALLATION
  - TELEPHONE INSTALLATION
  - VEHICLE DETECTOR, INDUCTION LOOP
  - MAGNETIC DETECTOR
  - EMERGENCY VEHICLE LIGHT DETECTOR
  - CONFIRMATION BEACON
  - PUSHBUTTON DETECTOR
  - ② DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
  - ① GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
  - ②④ FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
  - SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.

**SCHEDULE OF QUANTITIES**

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SO FT	15
SIGN PANEL - TYPE 2	SO FT	30
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	643
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	163
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	256
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	64
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	28
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	191
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1062
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	899
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1702
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2184
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1112
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1-PAIR	FOOT	2631
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	35
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	829
ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED, SHIELDED	FOOT	399
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.,	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.,	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	60
DRILL EXISTING HANDHOLE	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	11
DETECTOR LOOP, TYPE I	FOOT	780
PEDESTRIAN PUSH-BUTTON	EACH	5
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	9
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED	EACH	3
SERVICE INSTALLATION, POLE MOUNT	EACH	1
MEDIAN REMOVAL AND REPLACEMENT	SO FT	272

NAME	DATE

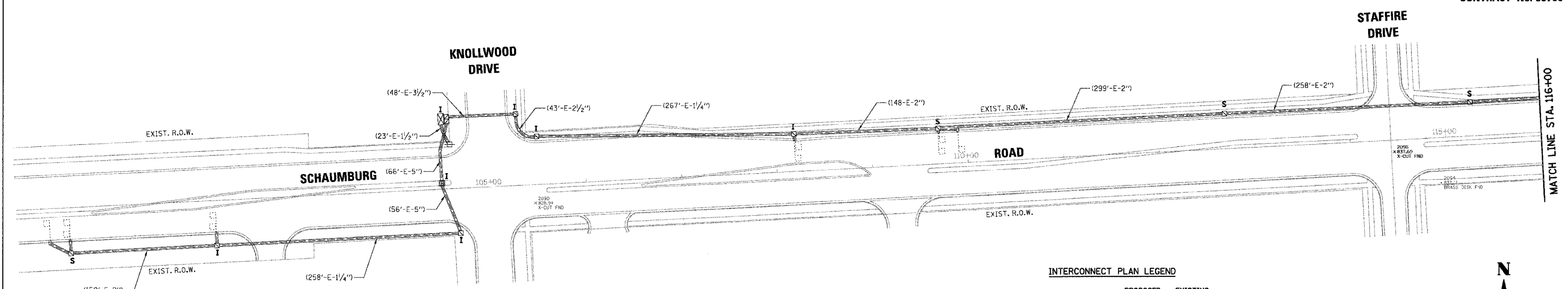
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM**  
 SCHAUMBURG ROAD AND WALNUT LANE

SCALE: 1" = 20'  
 DATE: 5-05-03

DRAWN BY: FGP  
 DESIGNED BY: SJP  
 CHECKED BY: GMZ

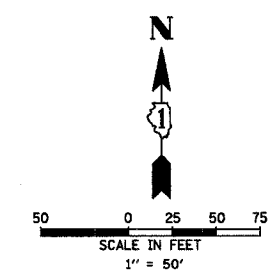
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
00-00070-00-PP		COOK	98	45
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 83799



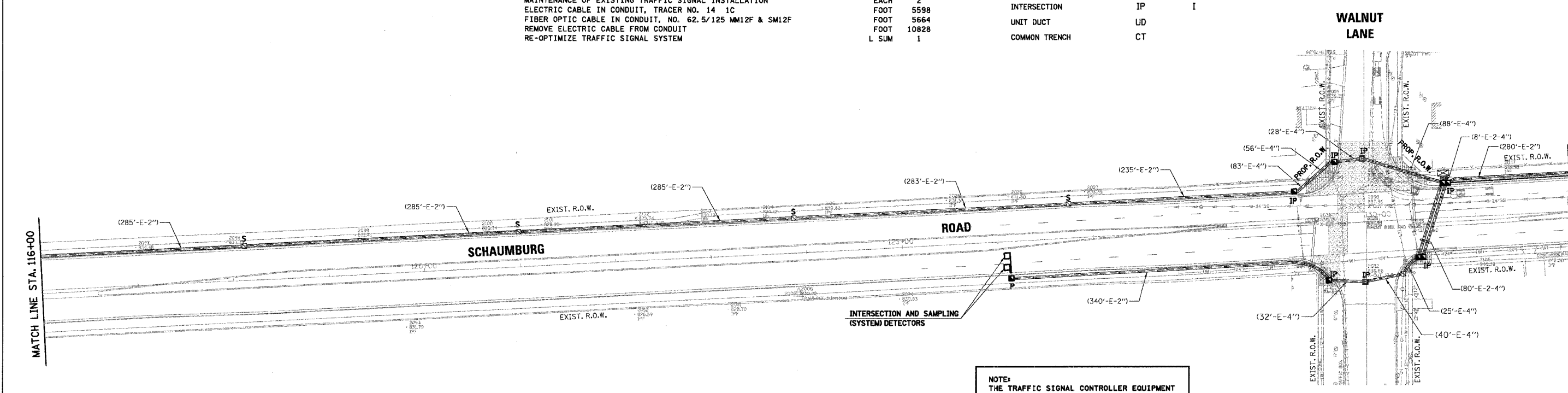
INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY-DUTY HANDHOLE		
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)		
DETECTOR LOOP		
SYSTEM	SP	S
INTERSECTION	IP	I
UNIT DUCT	UD	
COMMON TRENCH	CT	



SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	5598
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 MM12F & SM12F	FOOT	5664
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	10828
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1



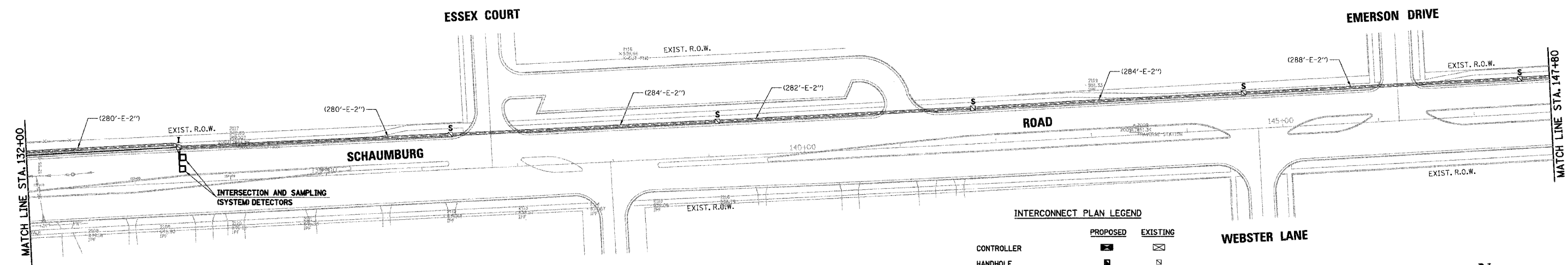
NOTE:  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INTERCONNECT PLAN SHEET 1**  
SCHAUMBURG ROAD  
FROM KNOLLWOOD DRIVE TO SPRINGSGUTH ROAD  
SCALE: 1" = 50'  
DATE: 5-05-03  
DRAWN BY: FCP  
DESIGNED BY: SJP  
CHECKED BY: GMZ

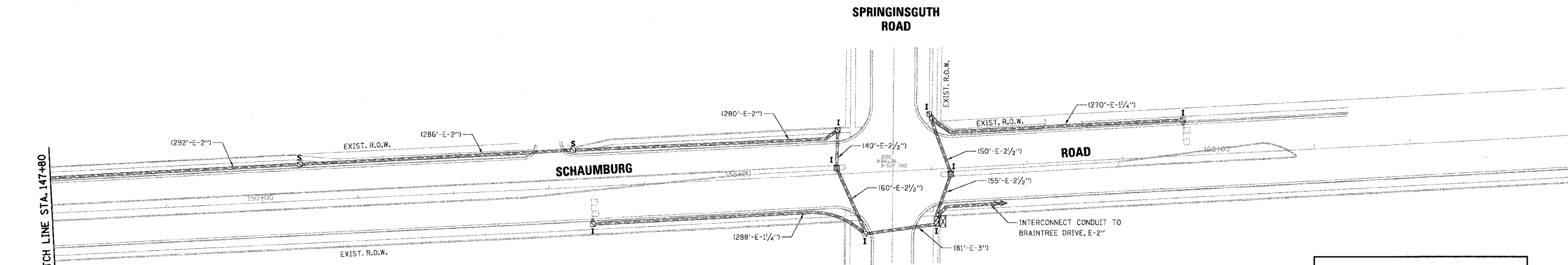
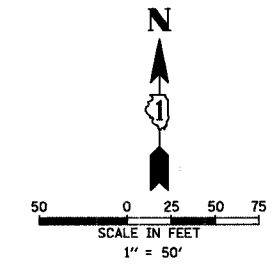
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9575 West Higgins Road, Suite 600  
Rosemont, Illinois 60018  
(847) 823-0500

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00070-00-PP	COOK	98	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
<b>CONTRACT No. 83799</b>				



**INTERCONNECT PLAN LEGEND**

	PROPOSED	EXISTING
CONTROLLER	☒	☑
HANDHOLE	■	◻
DOUBLE HANDHOLE	▣	◻
HEAVY-DUTY HANDHOLE	▣	◻
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)	—	—
DETECTOR LOOP	□	□
SYSTEM	SP	S
INTERSECTION	IP	I
UNIT DUCT	UD	
COMMON TRENCH	CT	



**NOTE:**  
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

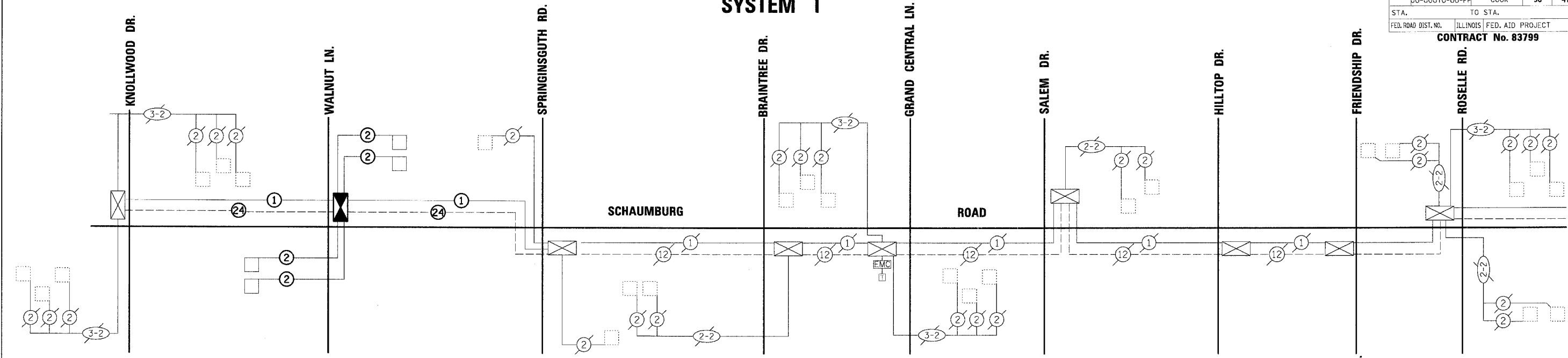
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INTERCONNECT PLAN SHEET 2**  
SCHAUMBURG ROAD  
FROM KNOLLWOOD DRIVE TO SPRINGINSGUTH ROAD  
SCALE: 1" = 50'  
DATE: 5-05-03  
DRAWN BY: FCP  
DESIGNED BY: SJP  
CHECKED BY: GMZ

**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
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Rosemont, Illinois 60018  
(847) 823-0500

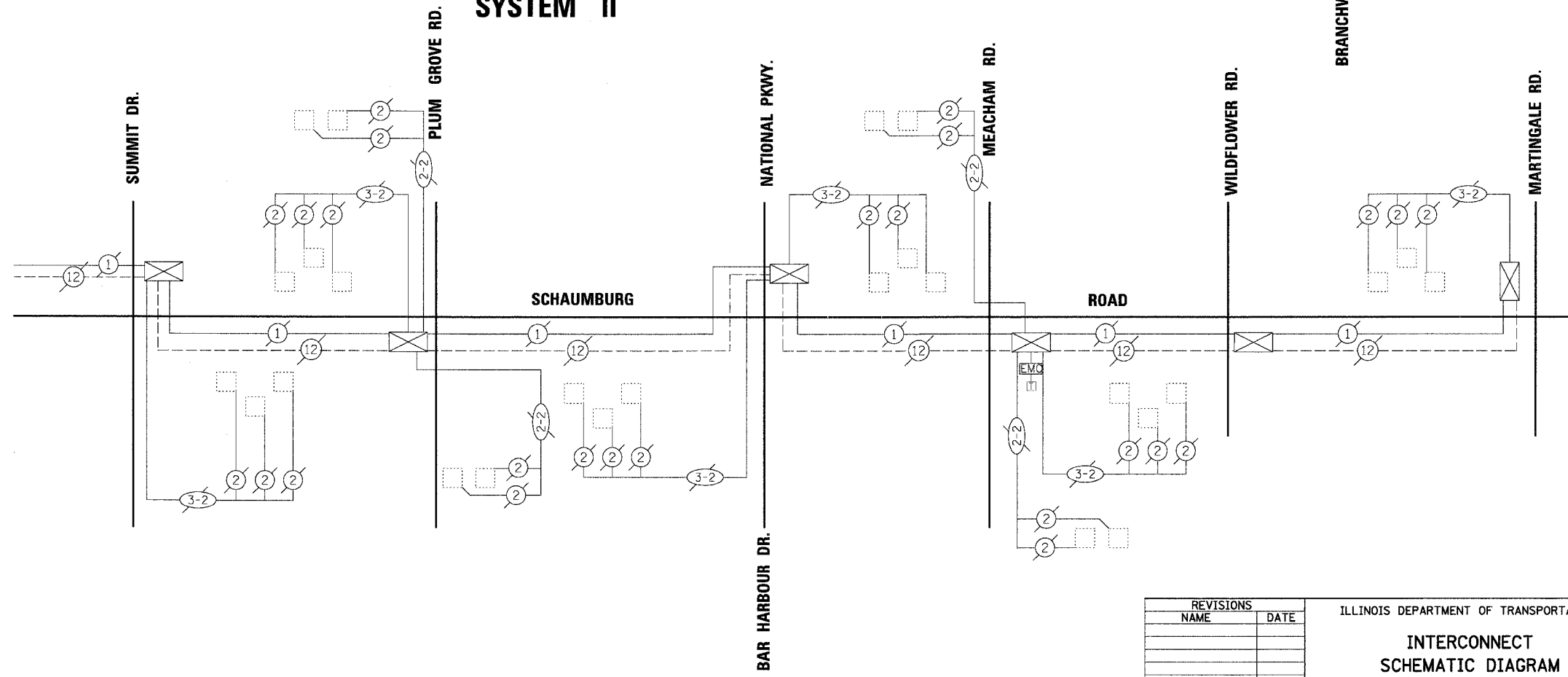
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	00-00070-00-FF	COOK	98	47
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT No. 83799

### SYSTEM I



### SYSTEM II



#### INTERCONNECT SCHEMATIC LEGEND

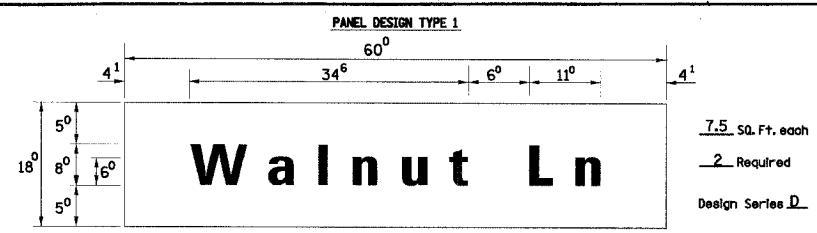
- EXISTING INTERSECTION CONTROLLER
- PROPOSED INTERSECTION CONTROLLER
- EXISTING MASTER CONTROLLER
- PROPOSED MASTER CONTROLLER
- MASTER MASTER CONTROLLER
- EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- EXISTING INTERSECTION LOOP DETECTORS
- PROPOSED SAMPLING (SYSTEM) DETECTORS
- EXISTING SAMPLING (SYSTEM) DETECTORS
- PROPOSED SAMPLING (SYSTEM) DETECTORS
- EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS.
- EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS.
- EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS
- PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS
- EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SMI2F
- PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SMI2F
- EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
- PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
- EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
- PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
- EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
- PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED
- EXISTING ELECTRIC CABLE, 1/C (AS SPECIFIED)
- PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)
- EXISTING TELEPHONE CONNECTION
- PROPOSED TELEPHONE CONNECTION



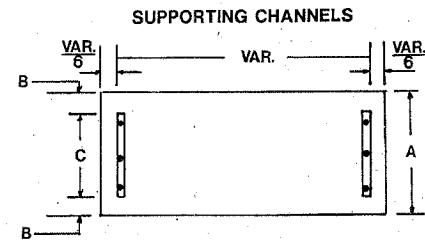
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INTERCONNECT SCHEMATIC DIAGRAM**  
 SCHAUMBURG ROAD  
 FROM KNOLLWOOD DRIVE TO MARTINGALE ROAD  
 SCALE: 1" = 20'  
 DATE: 5-05-03  
 DRAWN BY: FCP  
 DESIGNED BY: SJP  
 CHECKED BY: GMZ

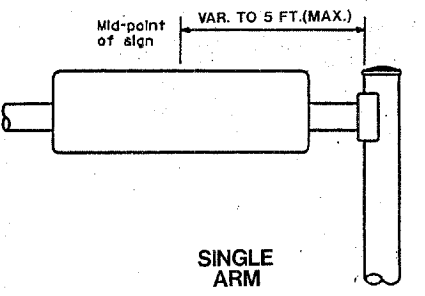
**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
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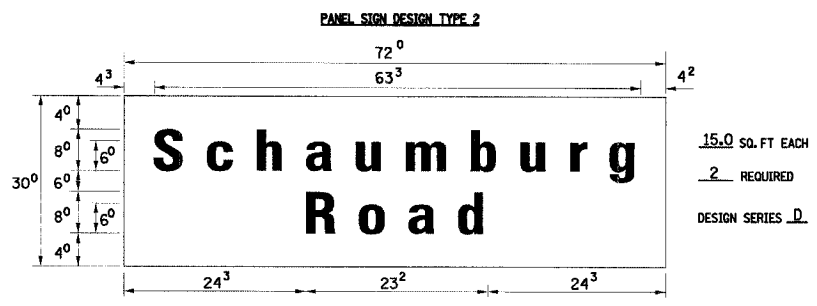
7.5 Sq. Ft. each  
2 Required  
Design Series D



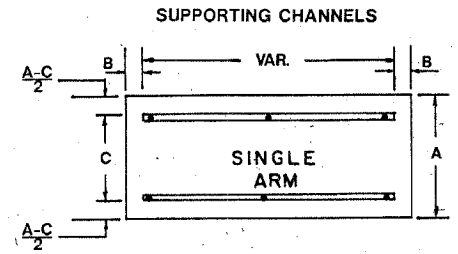
A	B	C
18"	2"	14"



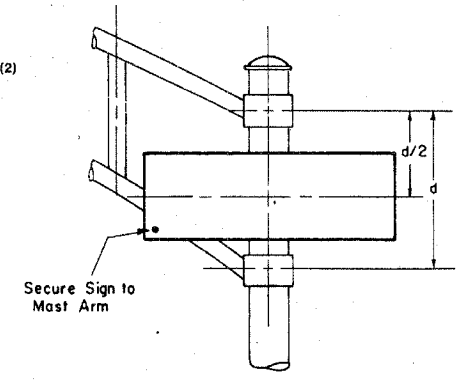
SINGLE ARM



15.0 Sq. Ft. Each  
2 Required  
Design Series D



A	B	C
18"	2"	12"
30"	2"	22"



DUAL ARM

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

- GENERAL NOTES**
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
  - ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
  - THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
  - ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
  - SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
 

A.K.T. CORPORATION	AMERICAN FABRICATION CO.
SCHAUMBURG, IL	CHICAGO HEIGHTS, IL
TUCKER COMPANY, INC.	WESTERN TRAFFIC CONTROL INC.
WAUWATOSA, WI	CICERO, IL
- PARTS LISTING:**
- |              |                             |
|--------------|-----------------------------|
| SIGN CHANNEL | PART #HPN053 (MED. CHANNEL) |
| SIGN SCREWS  | 1/4" X 14 X 1" H.W.H. #3    |
| BRACKETS     | PART #HPN034 (UNIVERSAL)    |
- CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

Upper Case To Lower Case  
Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2 DENOTES 3/8"

FIRST LETTER	SECOND LETTER															
	acde		bhikl		fw		j		st		vy		xz			
	g	o	q	m	n	p	r	u								
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D		
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	14	
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

Lower Case To Lower Case  
Spacing Chart 6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER															
	acde		bhikl		fw		j		st		vy		xz			
	g	o	q	m	n	p	r	u								
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D		
adhgij	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
lmnqu	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
bfkops	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
ce	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
tz	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
vy	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number  
Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	14	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	14	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	14	14	15	16	17	12	14	16	17	14	15	14	15

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	3 <sup>6</sup>	5 <sup>0</sup>	5 <sup>0</sup>	6 <sup>5</sup>	a	3 <sup>5</sup>	4 <sup>2</sup>
B	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	b	3 <sup>5</sup>	4 <sup>2</sup>
C	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	c	3 <sup>5</sup>	4 <sup>1</sup>
D	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	d	3 <sup>5</sup>	4 <sup>2</sup>
E	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	e	3 <sup>5</sup>	4 <sup>2</sup>
F	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	f	2 <sup>3</sup>	2 <sup>6</sup>
G	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	g	3 <sup>5</sup>	4 <sup>2</sup>
H	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	h	3 <sup>5</sup>	4 <sup>2</sup>
I	0 <sup>7</sup>	0 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	i	1 <sup>1</sup>	1 <sup>1</sup>
J	3 <sup>0</sup>	3 <sup>6</sup>	4 <sup>0</sup>	5 <sup>0</sup>	j	2 <sup>0</sup>	2 <sup>2</sup>
K	3 <sup>2</sup>	4 <sup>1</sup>	4 <sup>3</sup>	5 <sup>4</sup>	k	3 <sup>5</sup>	4 <sup>2</sup>
L	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	l	1 <sup>1</sup>	1 <sup>1</sup>
M	3 <sup>7</sup>	4 <sup>5</sup>	5 <sup>1</sup>	6 <sup>1</sup>	m	6 <sup>0</sup>	7 <sup>0</sup>
N	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	n	3 <sup>5</sup>	4 <sup>2</sup>
O	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>	o	3 <sup>6</sup>	4 <sup>3</sup>
P	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	p	3 <sup>5</sup>	4 <sup>2</sup>
Q	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>	q	3 <sup>5</sup>	4 <sup>2</sup>
R	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	r	2 <sup>6</sup>	3 <sup>2</sup>
S	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	s	3 <sup>6</sup>	4 <sup>2</sup>
T	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	t	2 <sup>7</sup>	3 <sup>2</sup>
U	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	u	3 <sup>5</sup>	4 <sup>2</sup>
V	3 <sup>5</sup>	4 <sup>4</sup>	4 <sup>7</sup>	6 <sup>0</sup>	v	4 <sup>2</sup>	4 <sup>7</sup>
W	4 <sup>4</sup>	5 <sup>2</sup>	6 <sup>0</sup>	7 <sup>0</sup>	w	5 <sup>5</sup>	6 <sup>4</sup>
X	3 <sup>4</sup>	4 <sup>0</sup>	4 <sup>5</sup>	5 <sup>3</sup>	x	4 <sup>4</sup>	5 <sup>1</sup>
Y	3 <sup>6</sup>	5 <sup>0</sup>	5 <sup>0</sup>	6 <sup>6</sup>	y	4 <sup>6</sup>	5 <sup>3</sup>
Z	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	z	3 <sup>6</sup>	4 <sup>3</sup>

NUMBER	6 INCH SERIES		8 INCH SERIES	
	SERIES		SERIES	
	C	D	C	D
1	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>
2	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
3	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
4	3 <sup>5</sup>	4 <sup>3</sup>	4 <sup>7</sup>	5 <sup>7</sup>
5	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
6	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
7	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
8	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
9	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
0	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>

REVISIONS

NAME	DATE
D.A.Z./D.A.G.	11/90
	6-98

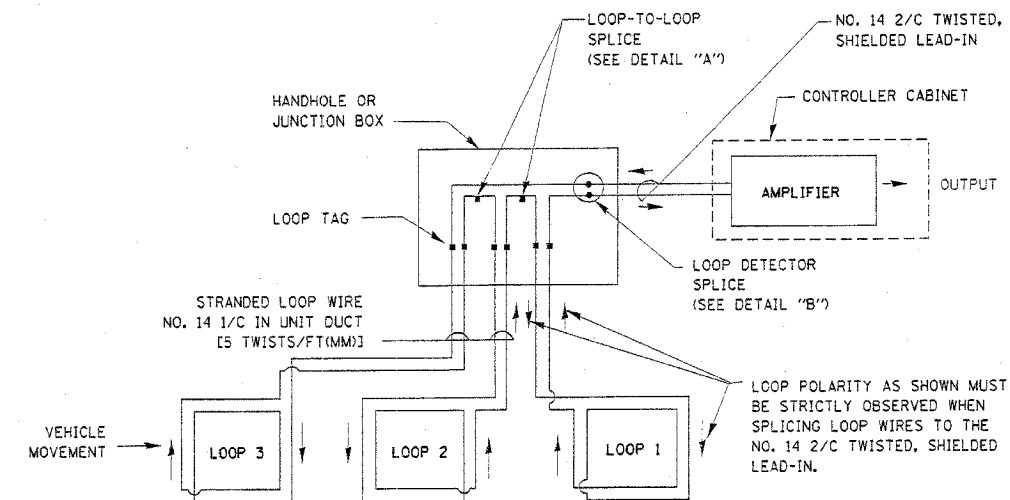
Illinois Department of Transportation  
DISTRICT I  
**MAST ARM MOUNTED STREET NAME SIGNS**

SCALE: VERT. NONE HORIZ. 2-26-79  
DRAWN BY TJR  
CHECKED BY RKF



### LOOP DETECTOR NOTES

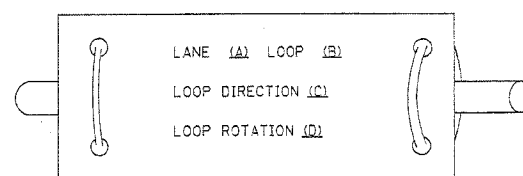
- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



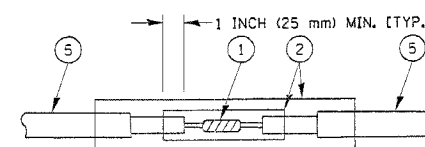
**DETECTOR LOOP WIRING SCHEMATIC**

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

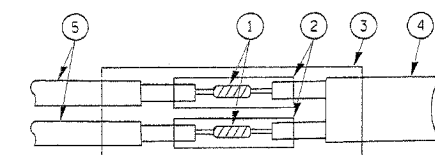
**LOOP LEAD-IN CABLE TAG**



- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



**DETAIL "A"  
LOOP-TO-LOOP SPLICE**



**DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE**

**LOOP DETECTOR SPLICE**

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT ONE  
 STANDARD TRAFFIC SIGNAL  
 DESIGN DETAILS**

SCALE: VERT. NONE  
 HORIZ. NONE  
 DATE 1-01-02

DRAWN BY: RWP  
 DESIGNED BY: DAO  
 CHECKED BY: DAZ  
 SHEET 1 OF 4

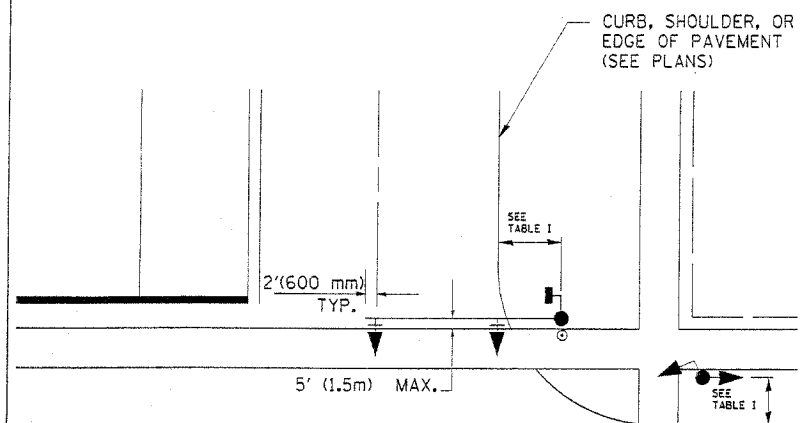
FILES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

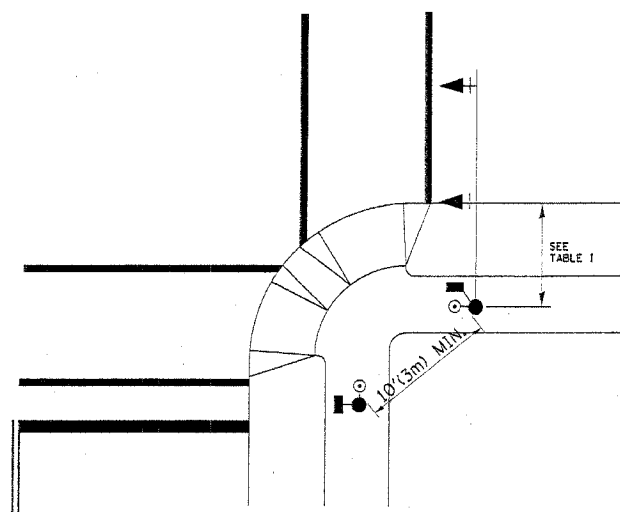
CONTRACT No. 83799

**TRAFFIC SIGNAL MAST ARM AND POST**

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



**PEDESTRIAN SIGNAL PUSHBUTTON**



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

**NOTES:**

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.  
 AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.  
 PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:  
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.  
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.  
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.  
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).  
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

**PEDESTRIAN SIGNAL POST**

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

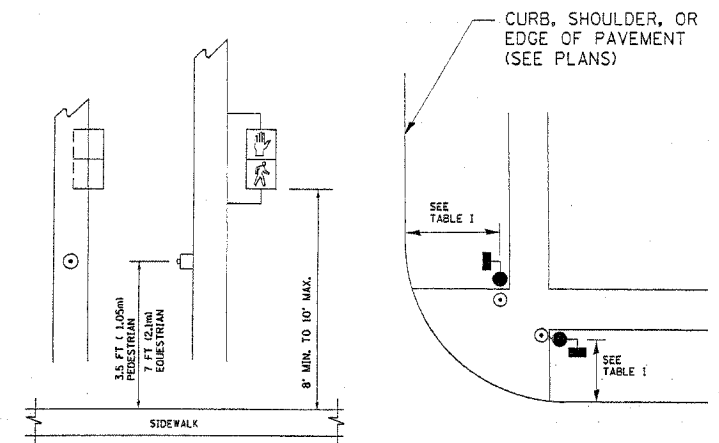


TABLE I

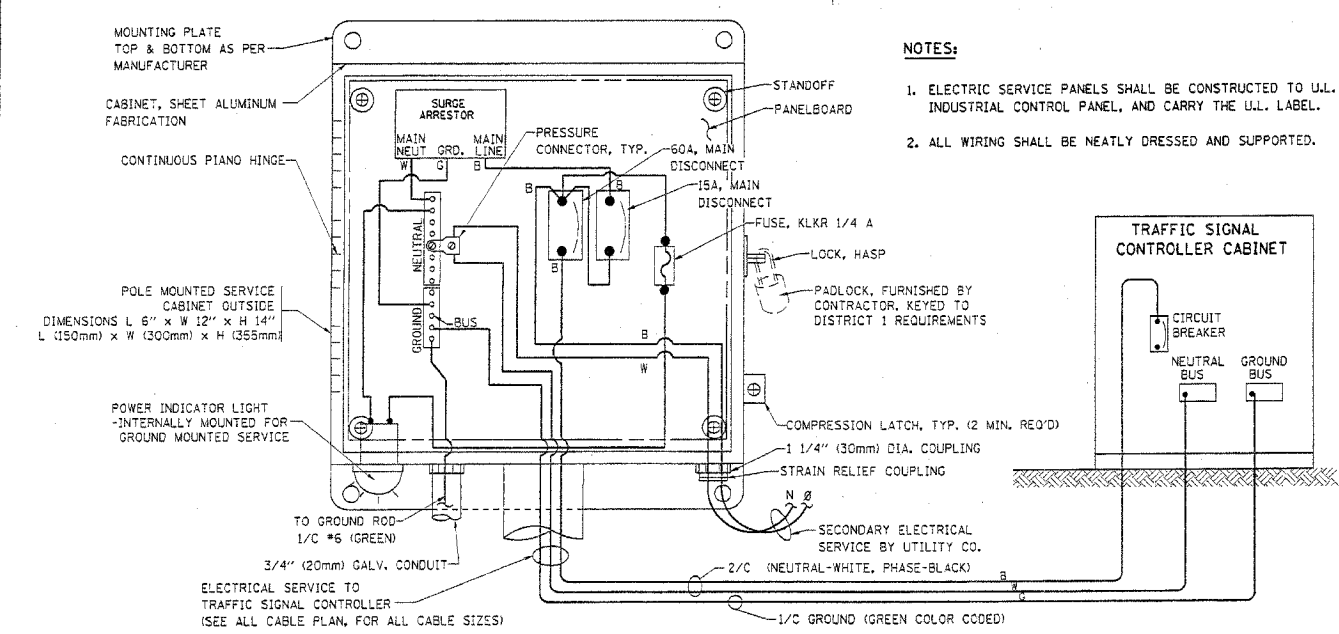
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION  DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS  SCALE: VERT. NONE HORIZ. NONE DATE 1-01-02
NAME	DATE	

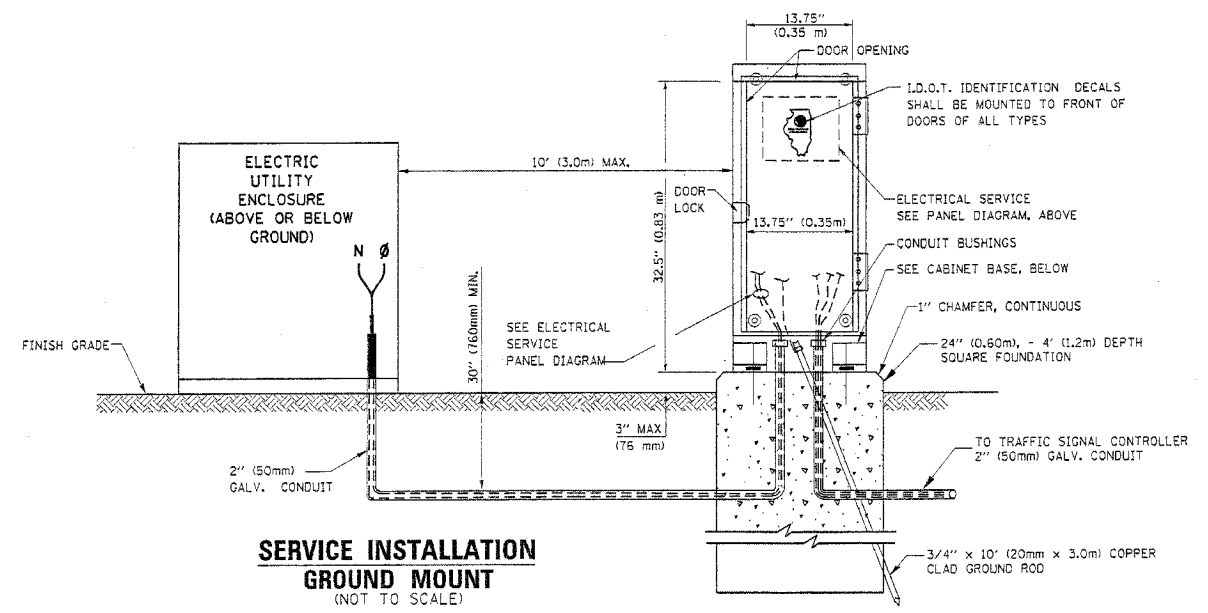
8FILES

F.A. RY.	SECTION	COUNTY	TOTAL SHEET
			SHEETS NO.
		COOK	98 51
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

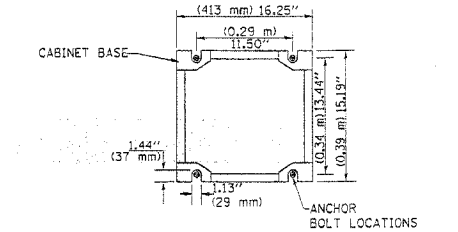
**CONTRACT No. 83799**



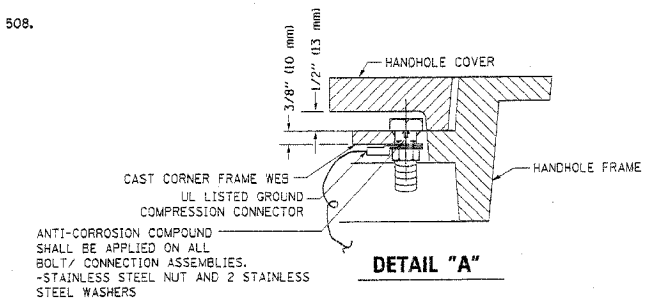
**ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE) SERVICE INSTALLATION POLE MOUNT (SHOWN) (NOT TO SCALE)**



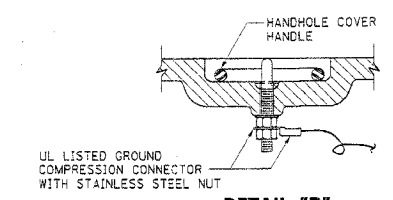
**SERVICE INSTALLATION GROUND MOUNT (NOT TO SCALE)**



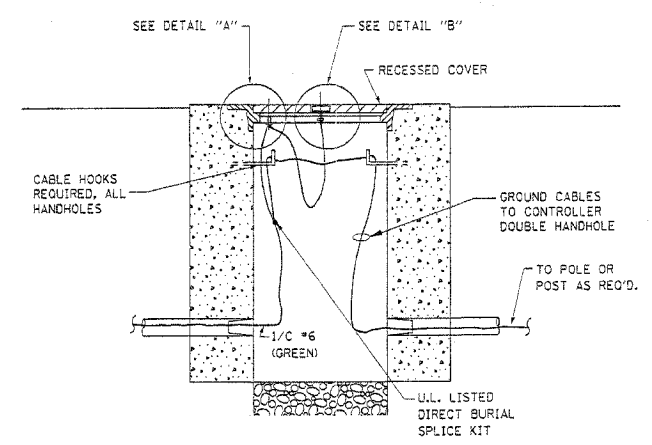
**CABINET - BASE BOLT PATTERN (NOT TO SCALE)**



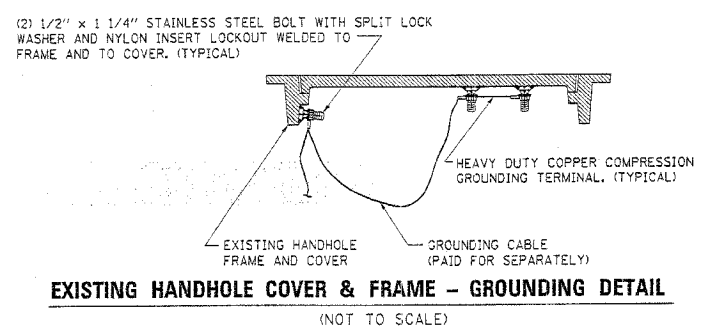
**DETAIL "A"**



**DETAIL "B"**



**HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)**

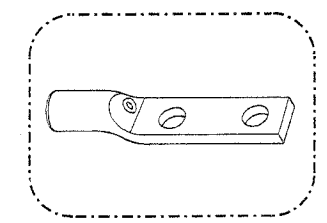


**EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL (NOT TO SCALE)**

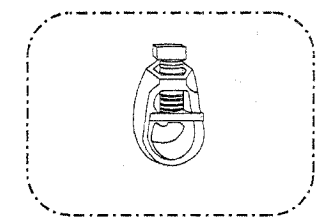
**NOTES:**

**GROUNDING SYSTEM**

- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
- THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



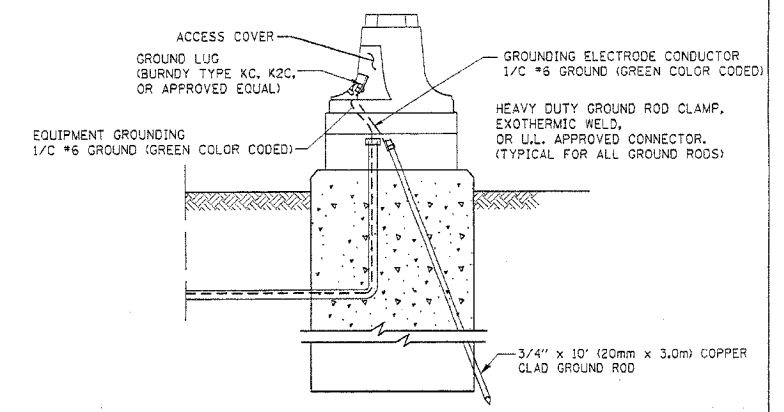
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

**NOTES:**

- ALL CLAMPS SHALL BE BRONZE OR COPPER, U.L. APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



**MAST ARM POLE / POST-GROUNDING DETAIL (NOT TO SCALE)**

REVISIONS	
NAME	DATE

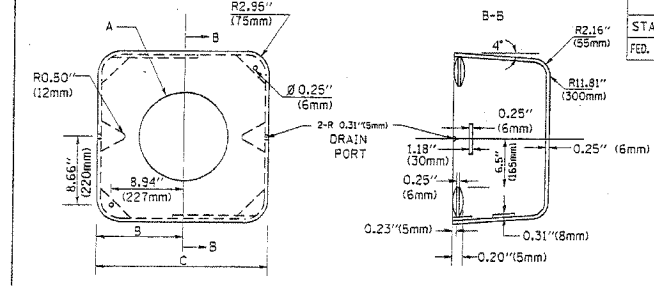
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**DISTRICT 1**  
**STANDARD TRAFFIC SIGNAL**  
**DESIGN DETAILS**  
 SCALE: VERT. NONE  
 HORIZ. NONE  
 DATE 1-01-02  
 DRAWN BY: RWP  
 DESIGNED BY: DAD  
 CHECKED BY: DAZ  
 SHEET 3 OF 4

FILES

P.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
		COOK	98 52
STA. TO STA.		ILLINOIS FED. AID PROJECT	
FED. ROAD DIST. NO.			

**CONTRACT No. 83799**

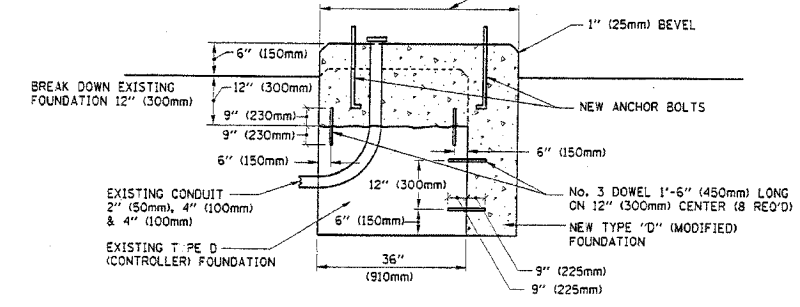
MATERIAL:  
 - ASTM A48 CLASS 30 GREY IRON  
 - ASTM A123 HOT DIPPED GALVANIZED



TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125" (257mm)	9.5" (241mm)	19" (483mm)	12" (300mm)	24kg
II	Ø 11.125" (283mm)	10.75" (273mm)	21.5" (546mm)	12" (300mm)	26kg

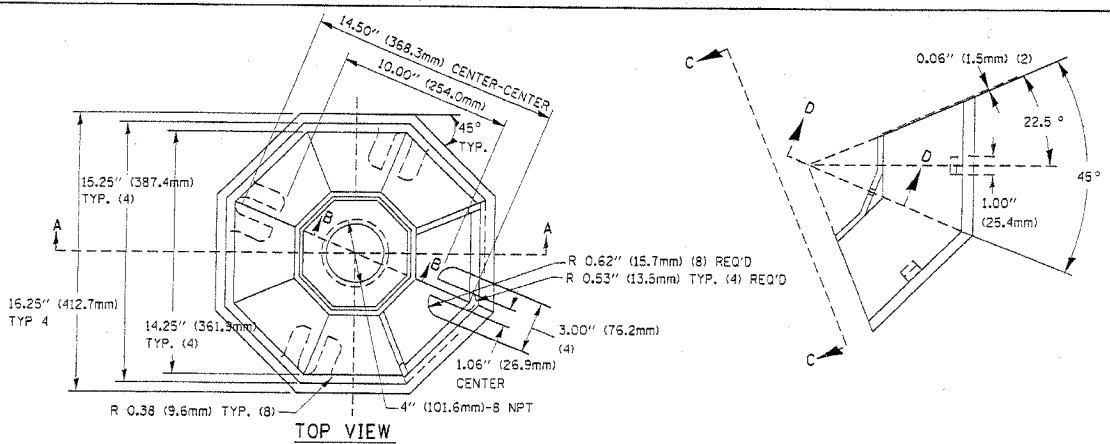
SHROUD DETAIL

NOTE:  
 SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.

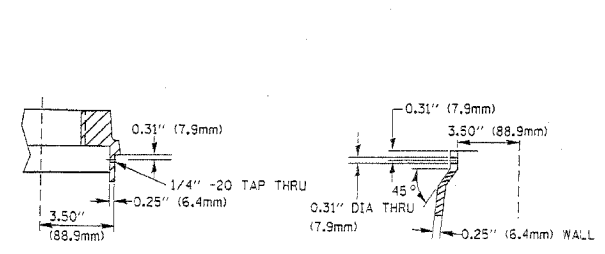


MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)

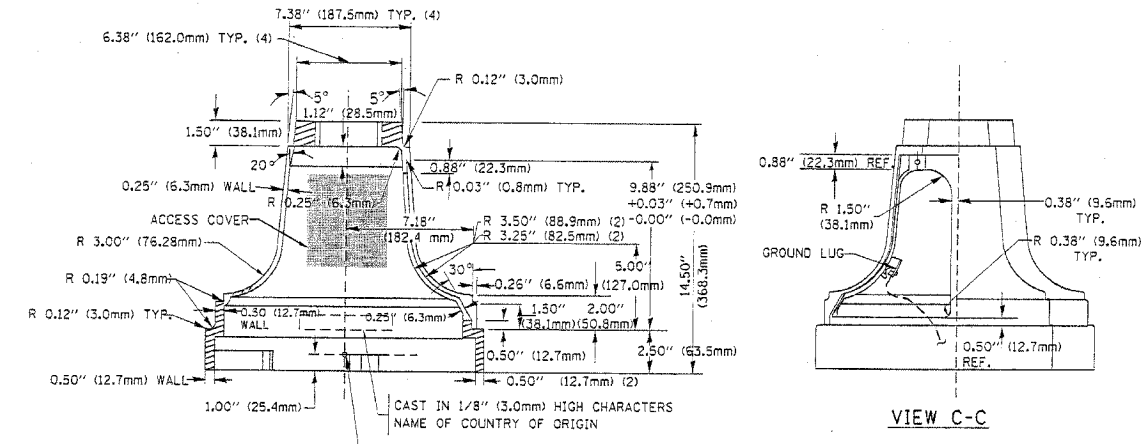


TOP VIEW



SECTION B-B

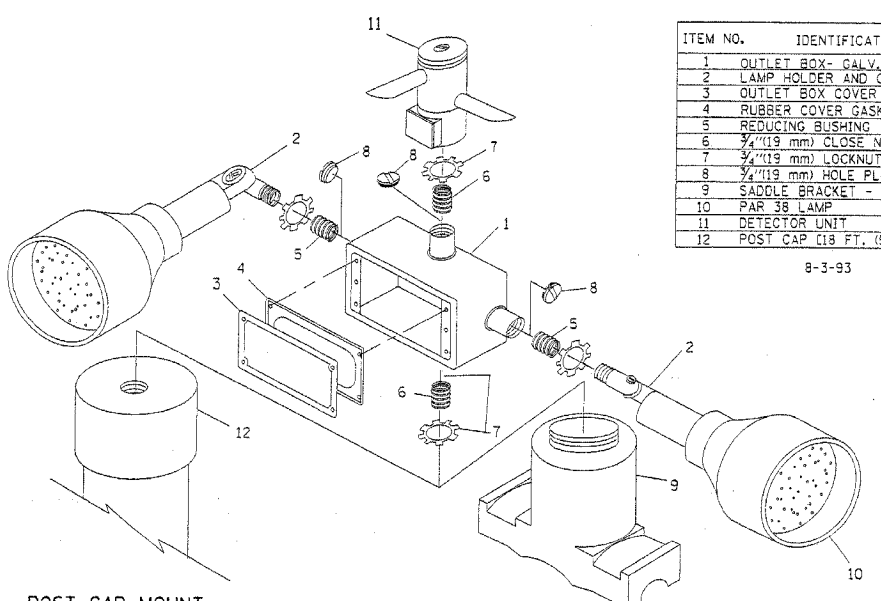
SECTION D-D



SECTION A-A

VIEW C-C

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



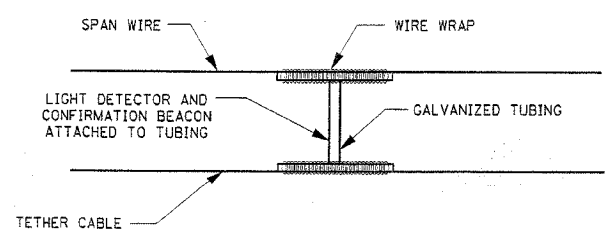
POST CAP MOUNT  
 MAST ARM MOUNT  
 EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CU. IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

8-1-93

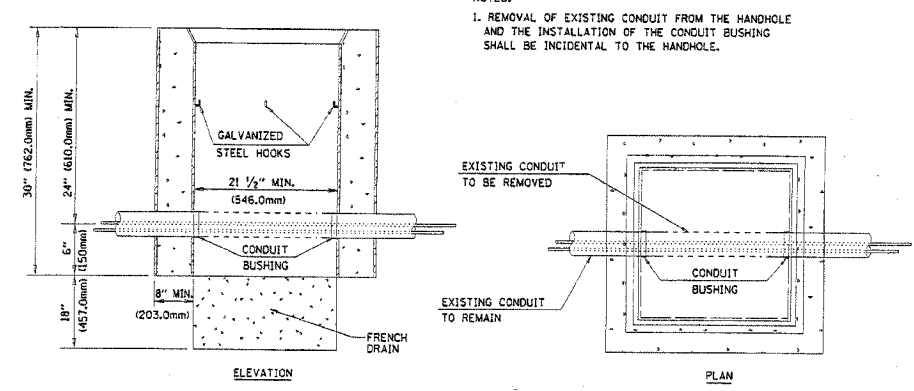
NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
 ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
 ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

(NOT TO SCALE)



DETAIL  
 HANDHOLE TO INTERCEPT EXISTING CONDUIT  
 N.T.S.

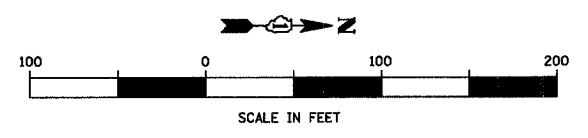
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 DISTRICT 1  
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT. NONE  
 HORIZ. 1-01-02  
 DATE 1-01-02  
 DRAWN BY: RWP  
 DESIGNED BY: DAD  
 CHECKED BY: DAZ  
 SHEET 4 OF 4

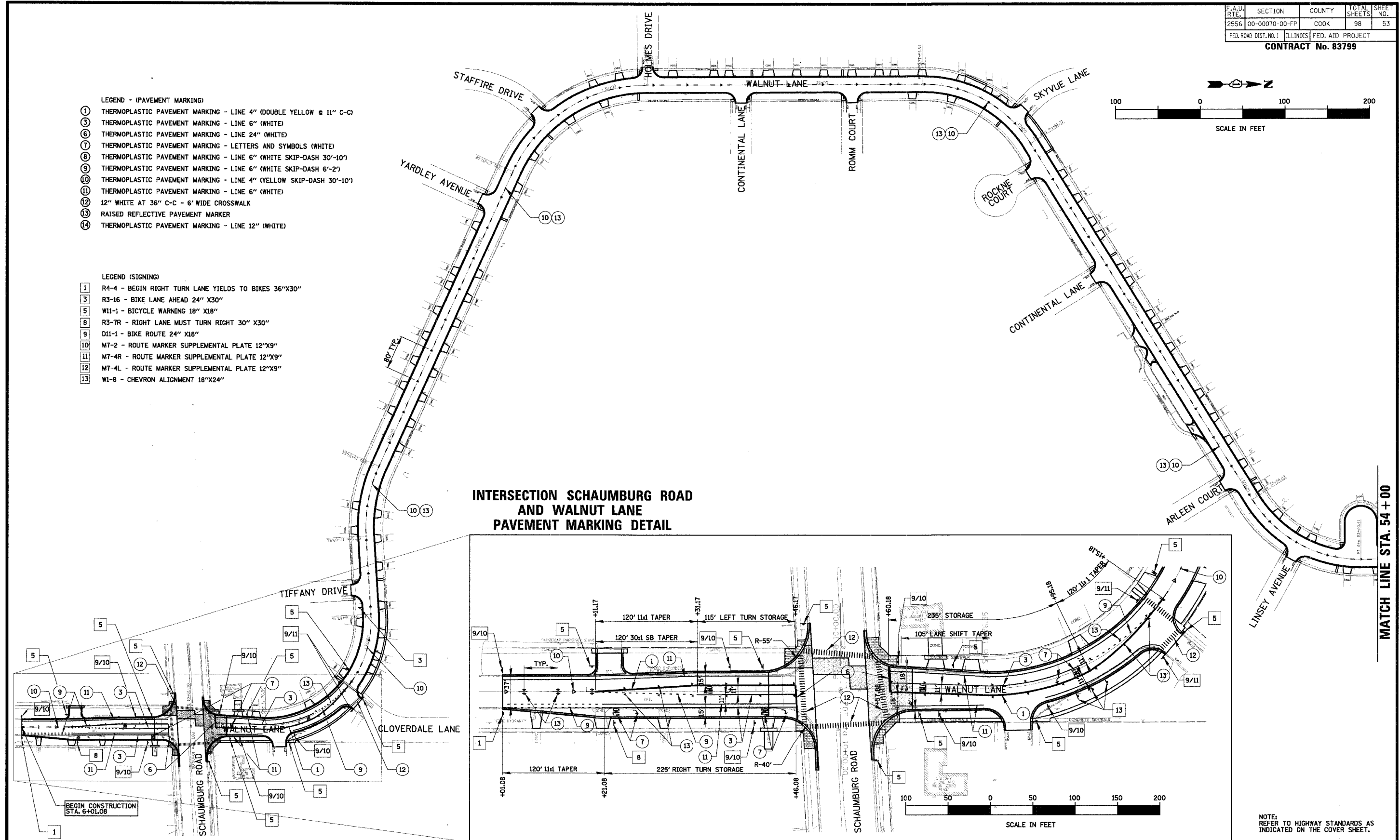
FILE#

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-PP	COOK	98	53
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
<b>CONTRACT No. 83799</b>				



- LEGEND - (PAVEMENT MARKING)**
- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW @ 11" C-C)
  - ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
  - ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
  - ⑦ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
  - ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SKIP-DASH 30'-10')
  - ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SKIP-DASH 6'-2')
  - ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP-DASH 30'-10')
  - ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
  - ⑫ 12" WHITE AT 36" C-C - 6' WIDE CROSSWALK
  - ⑬ RAISED REFLECTIVE PAVEMENT MARKER
  - ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)

- LEGEND (SIGNING)**
- 1 R4-4 - BEGIN RIGHT TURN LANE YIELDS TO BIKES 36"X30"
  - 3 R3-16 - BIKE LANE AHEAD 24" X30"
  - 5 W11-1 - BICYCLE WARNING 18" X18"
  - 8 R3-7R - RIGHT LANE MUST TURN RIGHT 30" X30"
  - 9 D11-1 - BIKE ROUTE 24" X18"
  - 10 M7-2 - ROUTE MARKER SUPPLEMENTAL PLATE 12"X9"
  - 11 M7-4R - ROUTE MARKER SUPPLEMENTAL PLATE 12"X9"
  - 12 M7-4L - ROUTE MARKER SUPPLEMENTAL PLATE 12"X9"
  - 13 W1-8 - CHEVRON ALIGNMENT 18"X24"



**INTERSECTION SCHAUMBURG ROAD AND WALNUT LANE PAVEMENT MARKING DETAIL**

MATCH LINE STA. 54 + 00

BEGIN CONSTRUCTION STA. 6+01.08

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 Rosemont, Illinois 60018  
 (847) 823-0500

CLIENT: **VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME		N:\SCHAUMBURG\01-434\DESIGN\PROJ01434_PMK_1.PMK	
DSGN.	GS		
DWN.	GS		
CHKD.	JGS		
SCALE:	1"=100'		
DATE:	04/05/2005		

TITLE: **PAVEMENT MARKING PLAN AND SIGNING PLAN C-91-108-04**

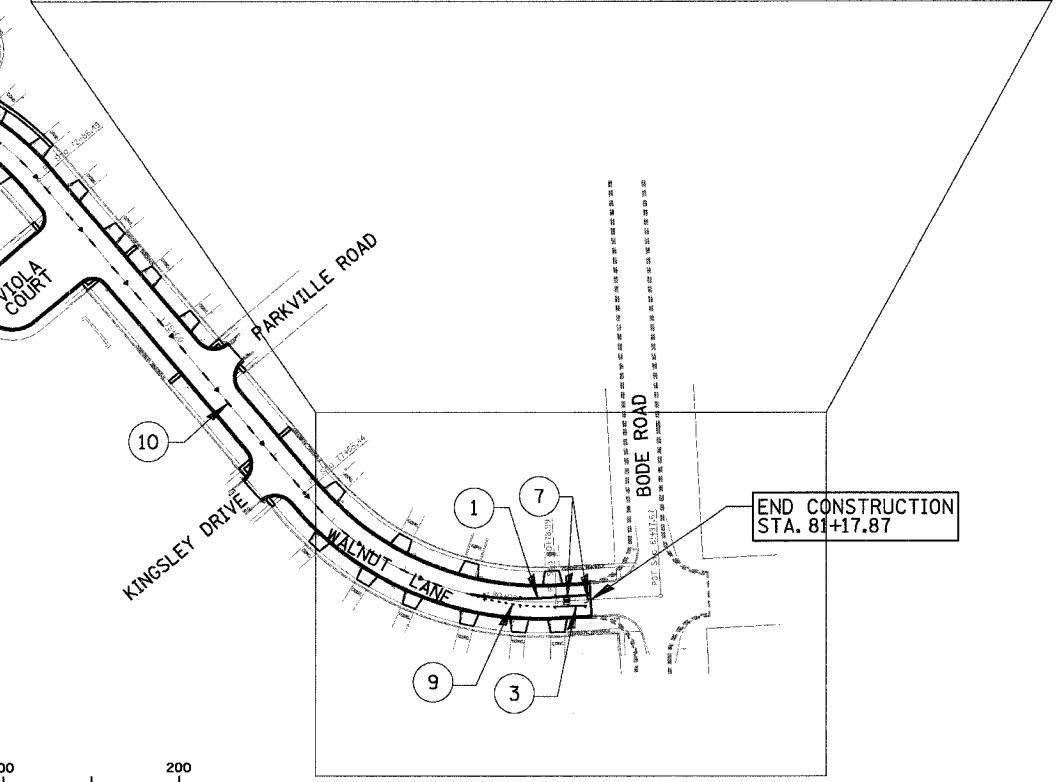
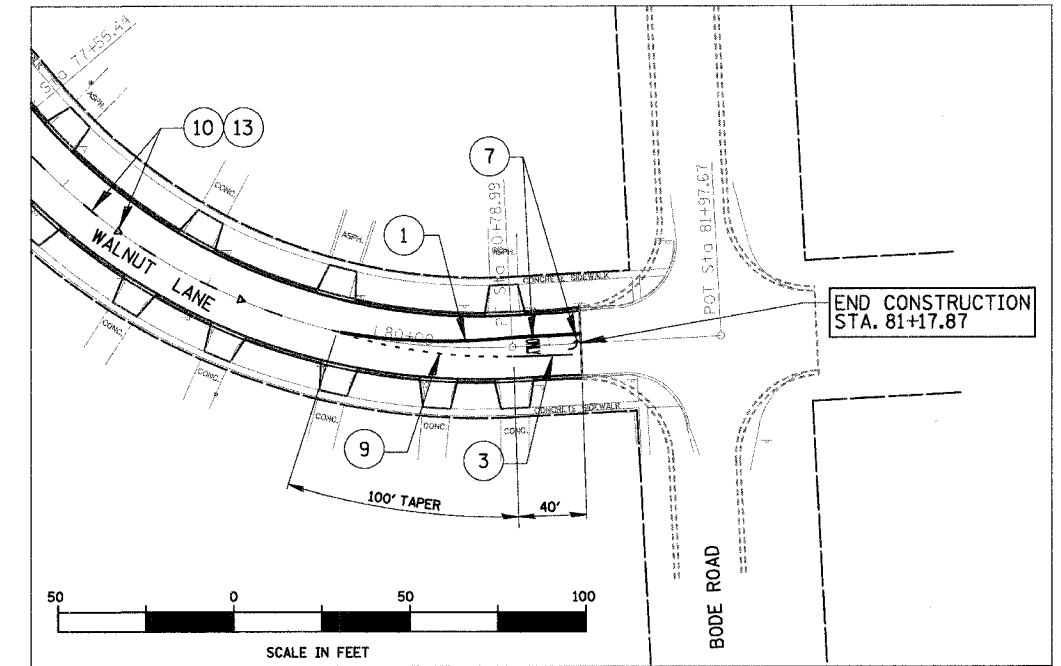
PROJECT NO. 01-434  
 SHEET 53 OF 98  
 DRAWING NO. **53**

NOTE: REFER TO HIGHWAY STANDARDS AS INDICATED ON THE COVER SHEET.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-0070-00-FP	COOK	98	54
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT No. 83799

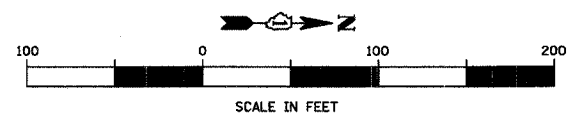
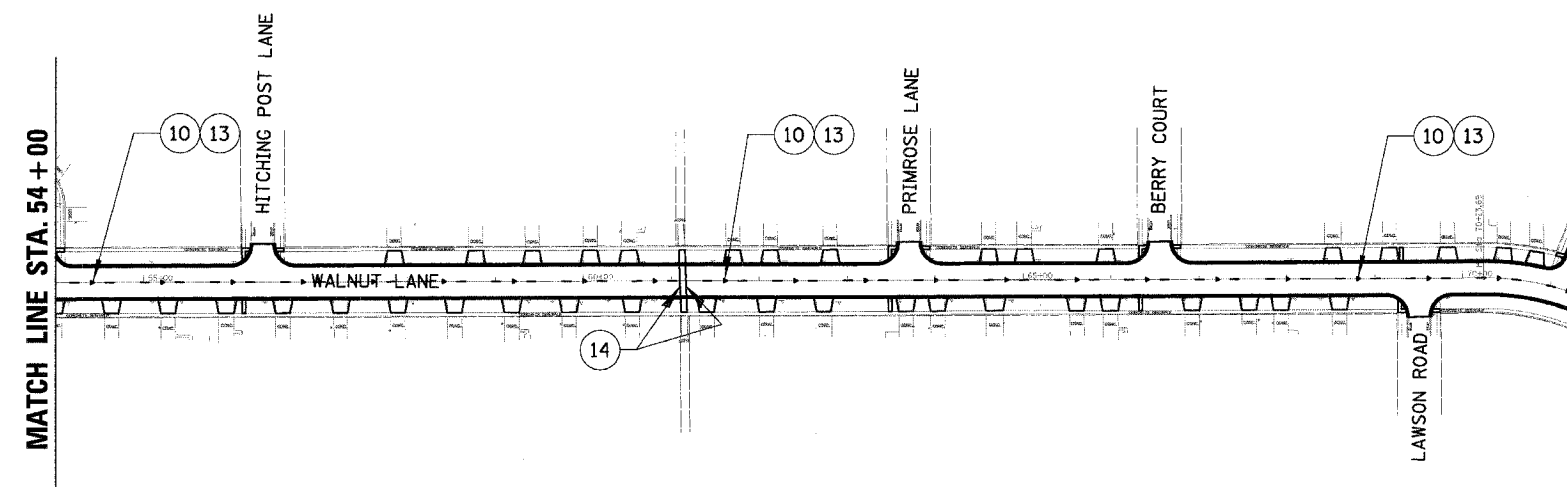
### INTERSECTION SCHAUMBURG ROAD AND BODE ROAD PAVEMENT MARKING DETAIL



NOTE:  
REFER TO HIGHWAY STANDARDS AS  
INDICATED ON THE COVER SHEET.

- LEGEND - (PAVEMENT MARKING)
- ① THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW @ 11" C-C)
  - ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
  - ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
  - ⑦ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
  - ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SKIP-DASH 30'-10')
  - ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SKIP-DASH 6'-2')
  - ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SKIP-DASH 30'-10')
  - ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
  - ⑫ 12" WHITE AT 36" C-C - 6' WIDE CROSSWALK
  - ⑬ RAISED REFLECTIVE PAVEMENT MARKER
  - ⑭ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)

- LEGEND (SIGNING)
- 1 R4-4 - BEGIN RIGHT TURN LANE YIELDS TO BIKES 36"X30"
  - 3 R3-16 - BIKE LANE AHEAD 24" X30"
  - 5 W11-1 - BICYCLE WARNING 18" X18"
  - 8 R3-7R - RIGHT LANE MUST TURN RIGHT 30" X30"
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  - 10 M7-2 - ROUTE MARKER SUPPLEMENTAL PLATE 12"X9"
  - 11 M7-4R - ROUTE MARKER SUPPLEMENTAL PLATE 12"X9"
  - 12 M7-4L - ROUTE MARKER SUPPLEMENTAL PLATE 12"X9"
  - 13 W1-8 - CHEVRON ALIGNMENT 18"X24"



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Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

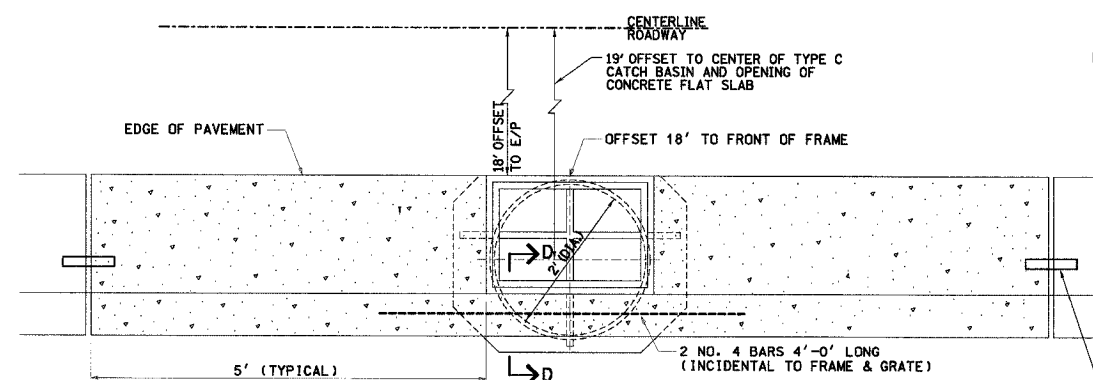
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DWN.	GS		
CHKD.	JGS		
SCALE:	1"=100'		
DATE:	04/05/2005		

TITLE: **PAVEMENT MARKING PLAN AND SIGNING PLAN**  
**C-91-108-04**

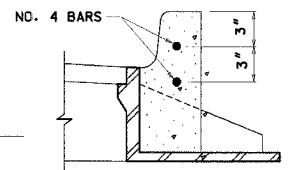
PROJECT NO.	01-434
SHEET 54 OF 98	
DRAWING NO.	54

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	55
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT

CONTRACT No. 83799

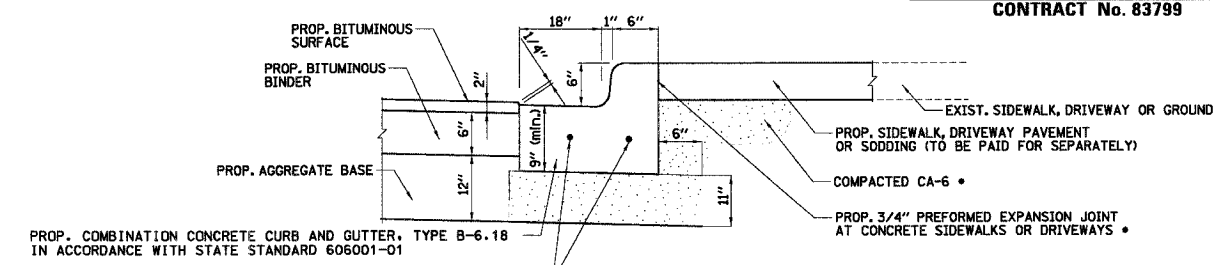


**DETAIL OF CURB AND GUTTER AT STRUCTURE WITH TYPE 23 FRAME AND GRATE**  
NOT TO SCALE



**SECTION D-D**  
NOT TO SCALE

ALL EXPANSION JOINTS (TYPICAL) NO. 8 EPOXY COATED SMOOTH DOWEL BAR (18" LONG) WITH STOP CAP 1" THICK PREFORMED EXPANSION JOINT FILLER JOINTS



PROP. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 IN ACCORDANCE WITH STATE STANDARD 606001-01

2-#6 EPOXY COATED SMOOTH DOWEL BARS (18" LONG) DRILLED AND GROUTED AT LOCATIONS WHERE NEW CURB AND GUTTER MEETS EXISTING \*

NOTE: LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

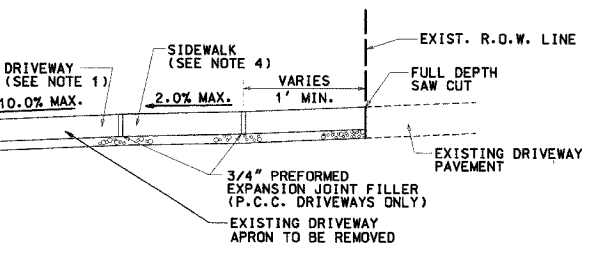
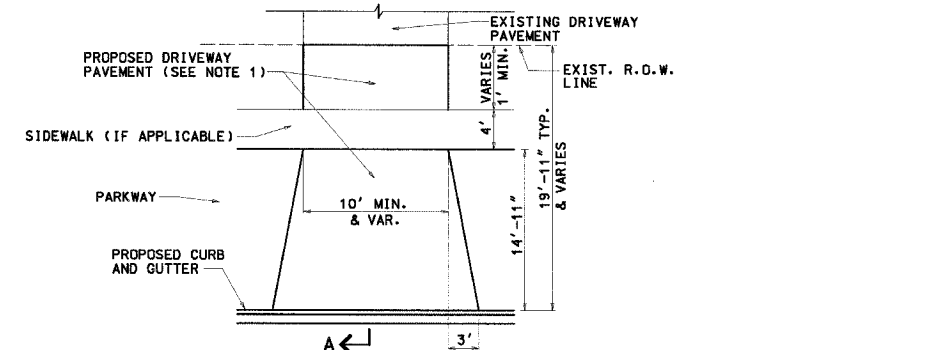
\* INCLUDED IN THE COST FOR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, TYPE B-6.18

**COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18**

NOT TO SCALE

**INDUSTRIAL DRIVEWAY DETAIL**

NOT TO SCALE

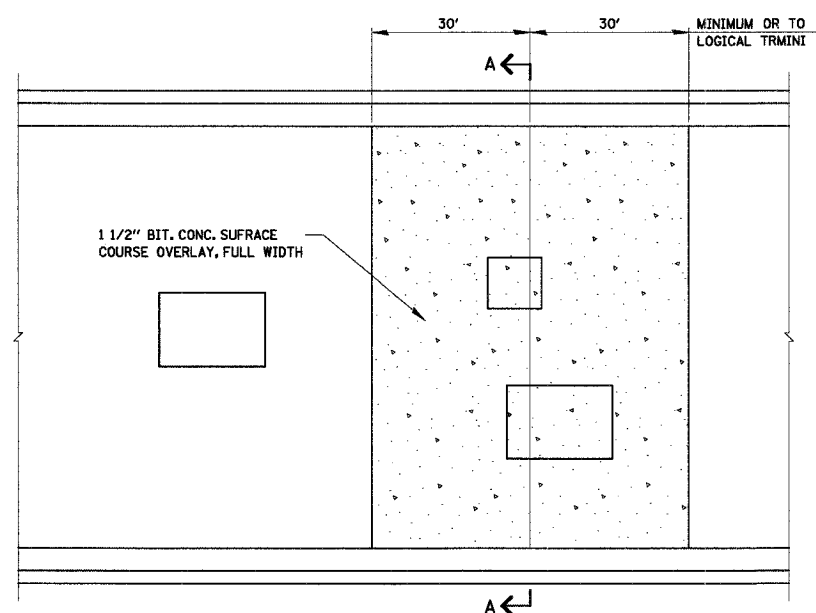


**SECTION A-A**

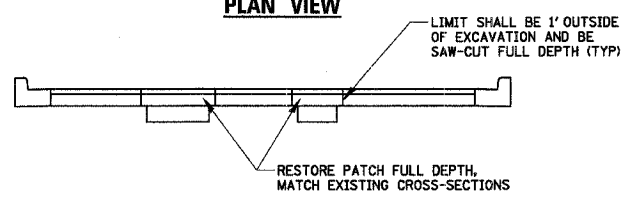
**TYPICAL DRIVEWAY PAVEMENT**

**NOTES:**

- THE PROPOSED DRIVEWAY PAVEMENT SHALL CONSIST OF:
  - 7" PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT AND 2" OF AGGREGATE BASE COURSE TYPE B IF THE EXISTING DRIVEWAY IS P.C.C. OR
  - 3" BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N50 (2 LIFTS) 6" AGGREGATE BASE COURSE TYPE B IF THE EXISTING DRIVEWAY IS BITUMINOUS OR AGGREGATE.
- PREFORMED EXPANSION JOINT FILLER SHALL BE CONSIDERED INCIDENTAL TO P.C.C. DRIVEWAY PAVEMENT.
- ALL REQUIRED EARTH EXCAVATION AND DRIVEWAY REMOVAL REQUIRED TO CONSTRUCT DRIVES SHALL BE INCIDENTAL TO DRIVEWAY REMOVAL & REPLACEMENT.
- SIDEWALK THROUGH DRIVEWAY SHALL BE 7" THICK AND SHALL BE PAID FOR AS PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL.
- DRIVEWAY SIZES IN INDUSTRIAL AREA SHALL MATCH EXISTING.



**PLAN VIEW**



**SECTION A-A PAVEMENT CUT DETAIL**

NOTE: FOR CONCRETE BASE SECTIONS, #5 BARS SHALL BE DRILLED AND GROUTED INTO SURROUNDING CONCRETE PAVEMENT PRIOR TO PLACEMENT OF CONCRETE AT APPROX. 12" O.C. OR A MIN. OF 2 PER SIDE EVENLY SPACED.

**LEGEND**

	EXISTING	PROPOSED
POWER POLE	⊕	⊕
ROW MARKER	⊗	⊗
FIRE HYDRANT	⊕	⊕
LIGHT STANDARD	⊗	⊗
INLET	⊕	⊕
CATCHBASIN	⊕	⊕
TREE	⊕	⊕
MAILBOX	⊕	⊕
EVERGREEN TREE	⊕	⊕
MANHOLE	⊕	⊕
TRAFFIC SIGNAL	⊕	⊕
FLARED END SECTION	⊕	⊕
TELEPHONE POLE	⊕	⊕
SIGN	⊕	⊕
IRON PIPE SET	⊕	⊕
IRON PIPE FOUND	⊕	⊕
BUFFALO BOX	⊕	⊕
SANITARY CLEANOUT	⊕	⊕
TELEPHONE SPLICE BOX	⊕	⊕
HAND HOLE (TS)	⊕	⊕
ITEM TO BE ABANDONED		AB
ITEM TO BE MOVED		M
ITEM TO BE RELOCATED		REL
STRUCTURE TO BE ADJUSTED		ADJ
STRUCTURE TO BE REMOVED		R

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Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

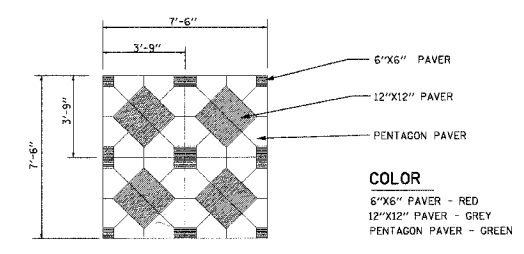
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DSGN.	GS		
DWN.	GS		
CHKD.	JGS		
SCALE:	NOT TO SCALE		
DATE:	04/05/2005		

TITLE: **WALNUT LANE RECONSTRUCTION DETAILS**  
**C-91-108-04**

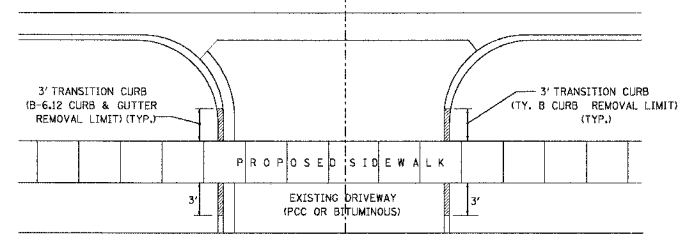
PROJECT NO.	01-434
SHEET 55 OF 98	
DRAWING NO.	55

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2556	00-00070-00-FP	COOK	98	56
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

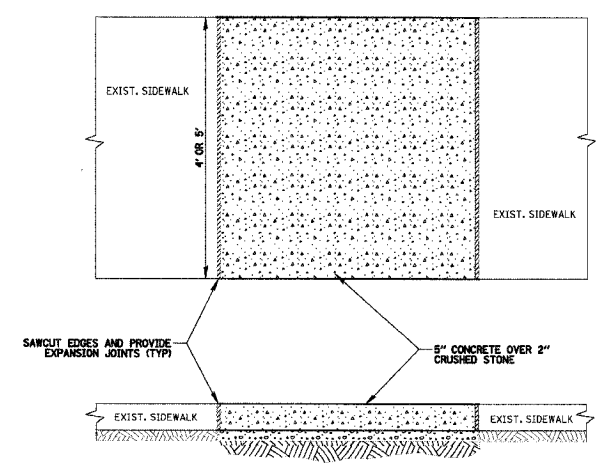
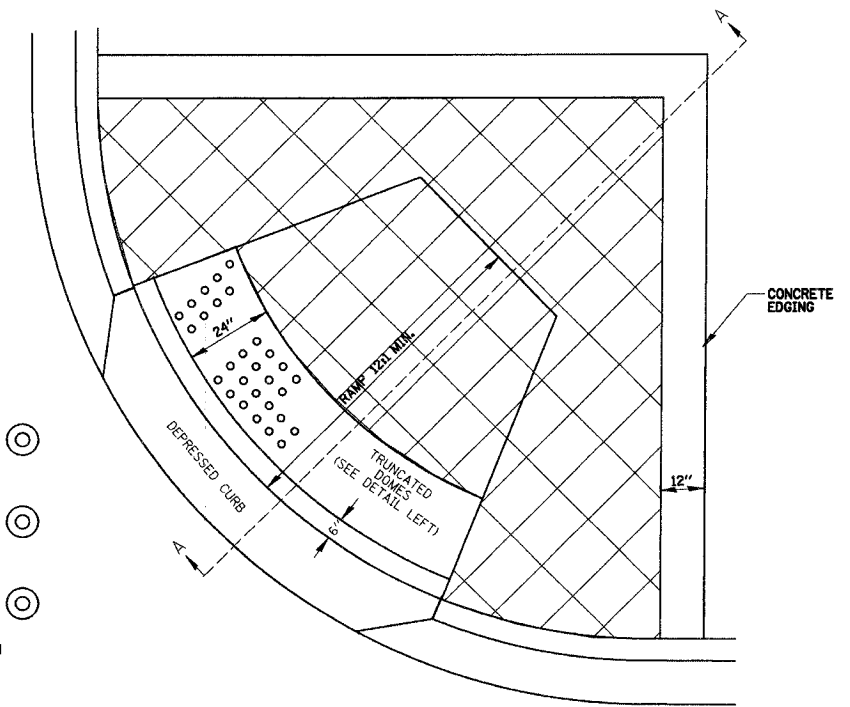
**CONTRACT No. 83799**



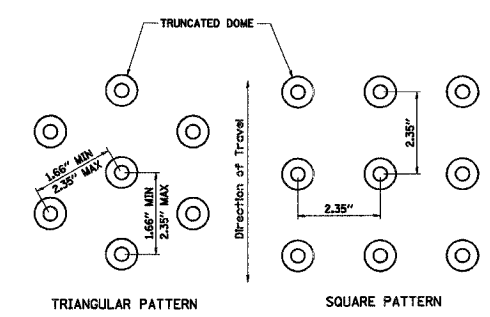
**PAVER FIELD**



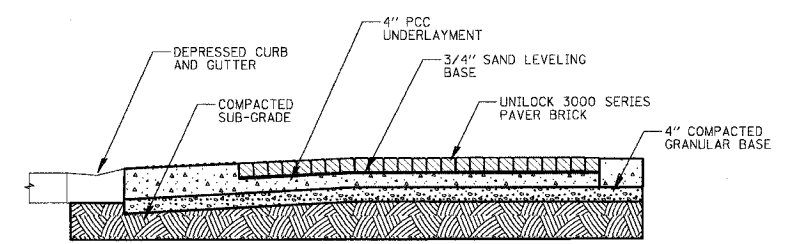
**PROPOSED SIDEWALK CROSSING OF DRIVEWAY**



**SIDEWALK RESTORATION**



**DETECTABLE WARNING DETAIL**  
(Dimensions shown are nominal)



**SECTION A-A**



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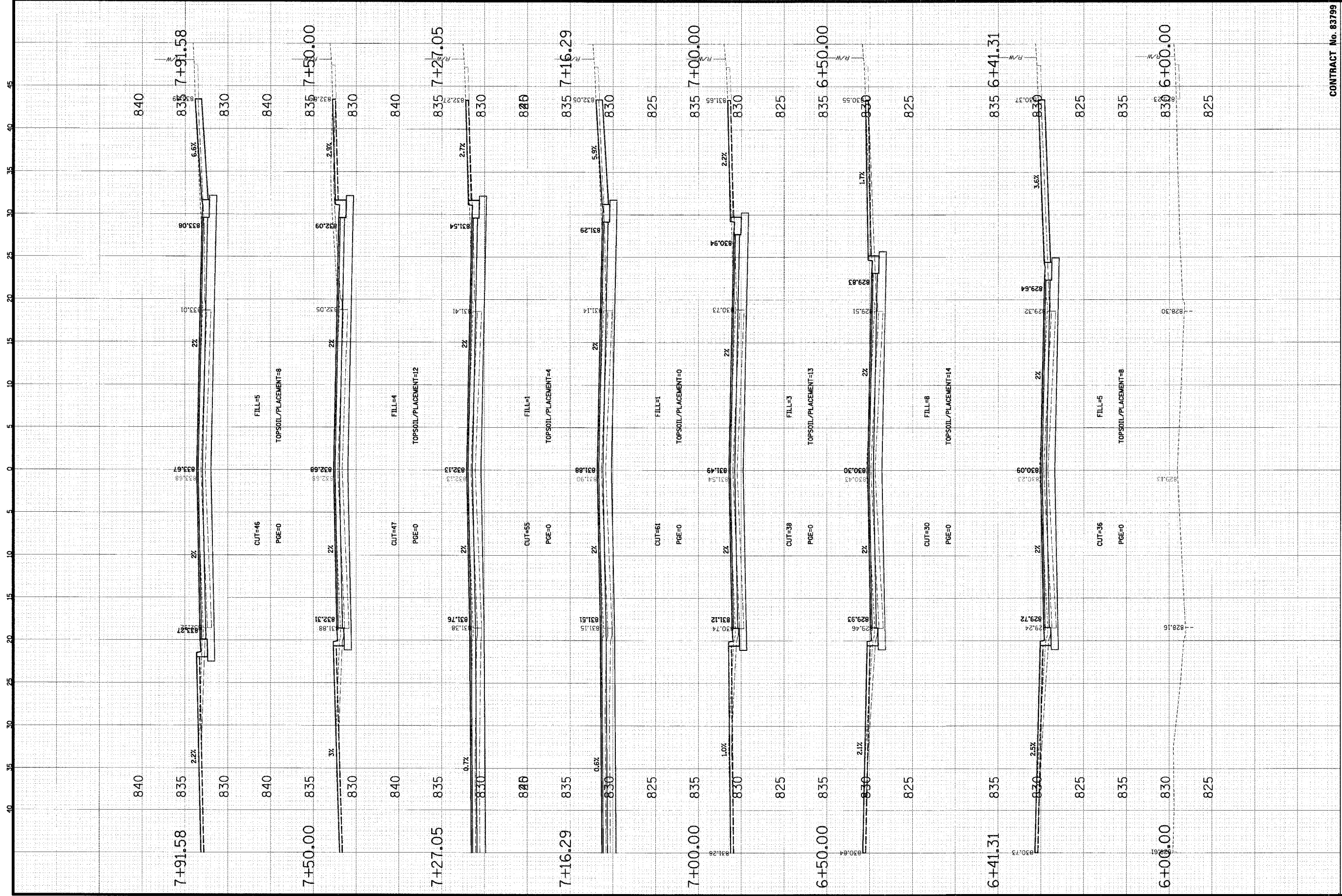
**VILLAGE OF SCHAUMBURG**  
Engineering Department  
101 Schaumburg Court  
Schaumburg, IL. 60193-7806

NO.	DATE	NATURE OF REVISION	CHKD.
FILE NAME	N:\SCHAUMBURG\01-434\DESIGN\WAL_DET_2.DET		
DSGN.	GS		
DWN.	GS		
CHKD.	JGS		
SCALE:	NOT TO SCALE		
DATE:	04/05/2005		

**WALNUT LANE RECONSTRUCTION DETAILS**  
**C-91-108-04**

PROJECT NO. 01-434  
SHEET 56 OF 98  
DRAWING NO. **56**





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 Engineering Department  
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 Schaumburg, IL 60193-7806

**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

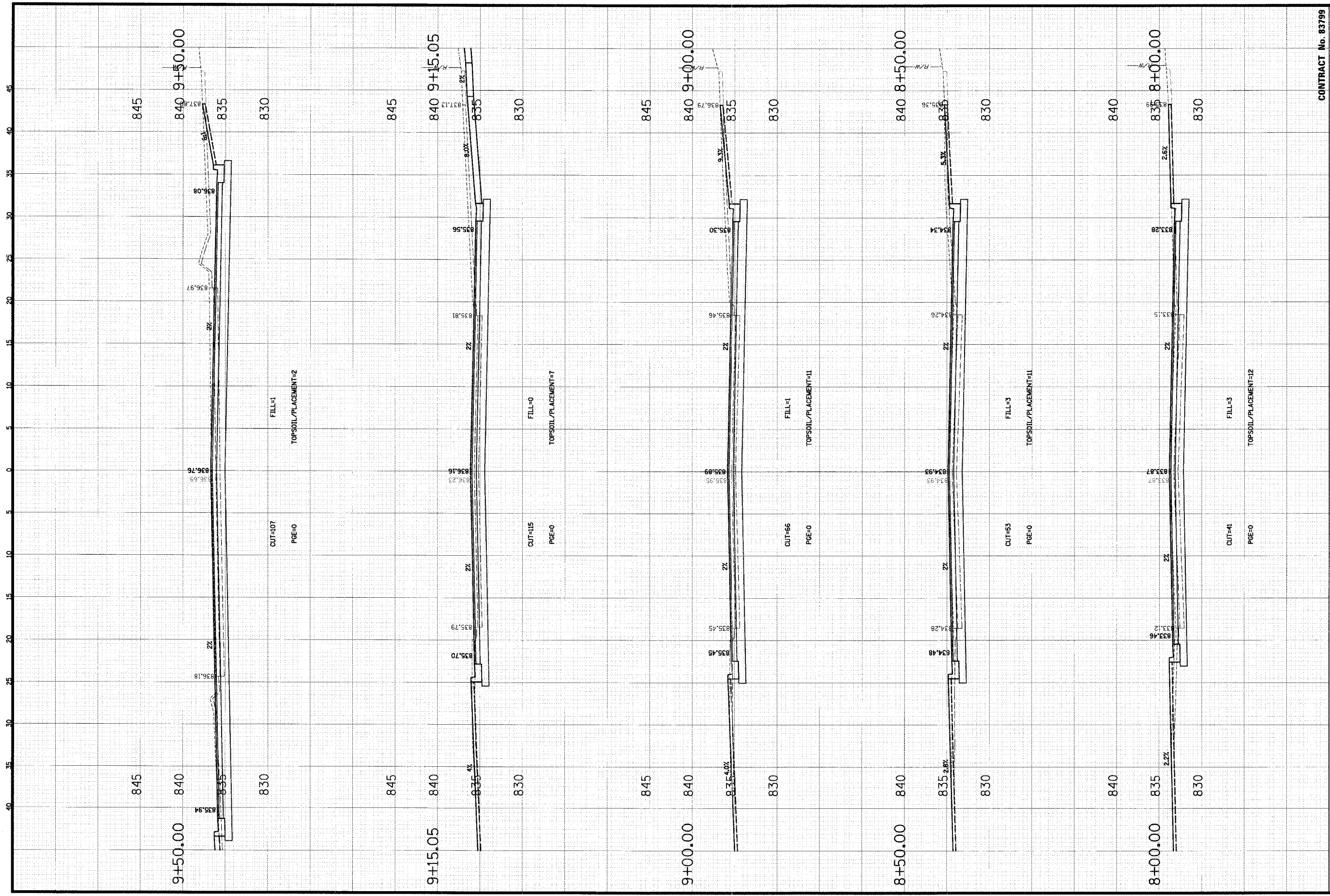
CONTRACT No. 83799

NO.	DATE	NATURE OF REVISION	CHKD.
DESIGN	GS		
DRAWN	GS		
CHKD.	JOS		

PROJECT NO. 01-434  
 SHEET 57 OF 98  
 DRAWING NO. XS-1  
 DATE 04/05/2005

FILE NAME: N:\SCHAUMBURG\01-434\DESIGN\WALNUT.LAY

SCALE:  
 HORIZ 1" = 5'  
 VERT 1" = 5'



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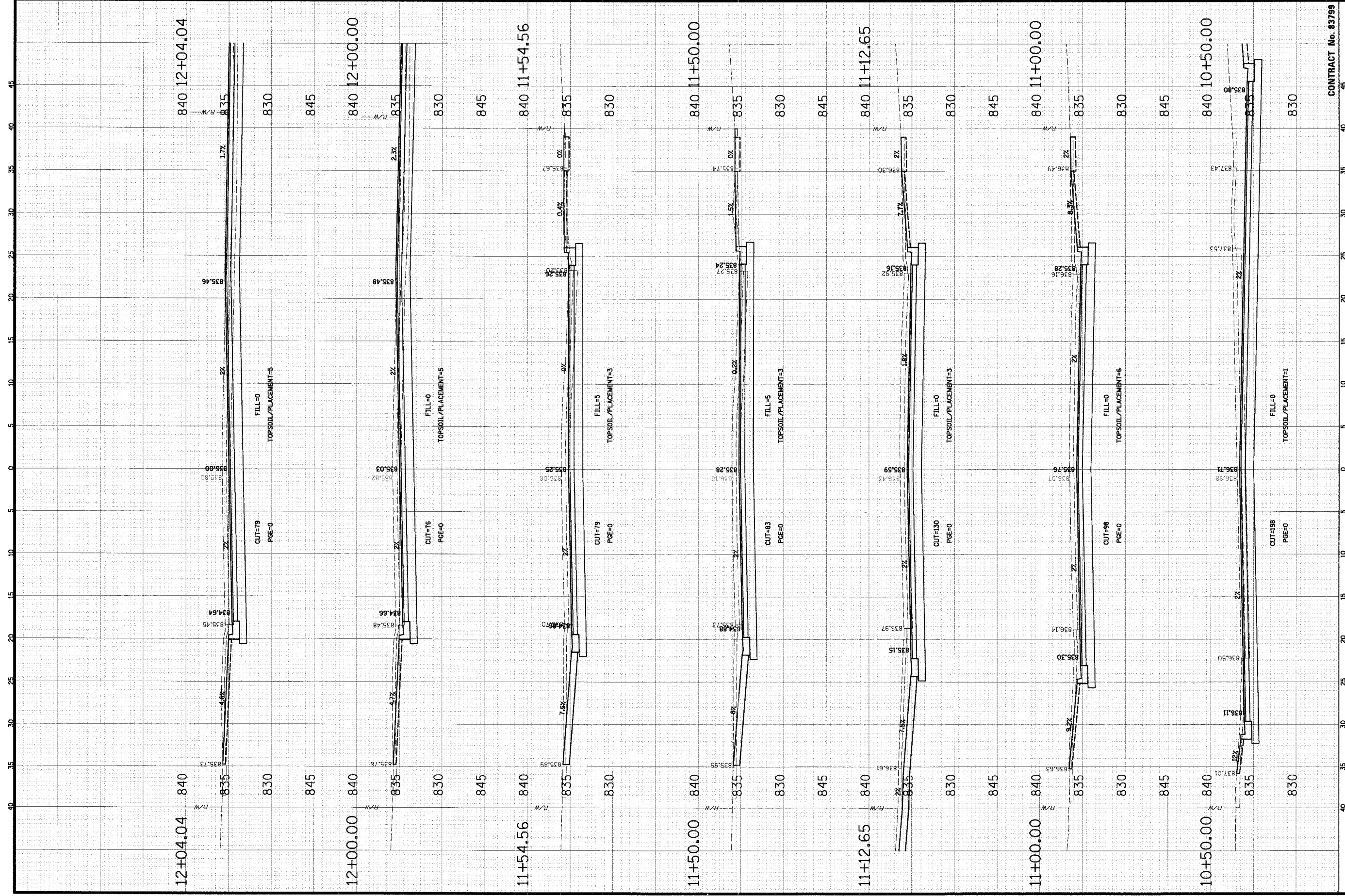
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CONTRACT No. 83799

PROJECT NO. 01-434  
 SHEET 58 OF 98  
 DRAWING NO. XS-2  
 DATE: 04/05/2005

TITLE: CROSS SECTIONS  
 WALNUT LANE  
 C-91-108-04

CLIENT: VILLAGE OF SCHAUMBURG  
 ENGINEERING L.TD.  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500



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

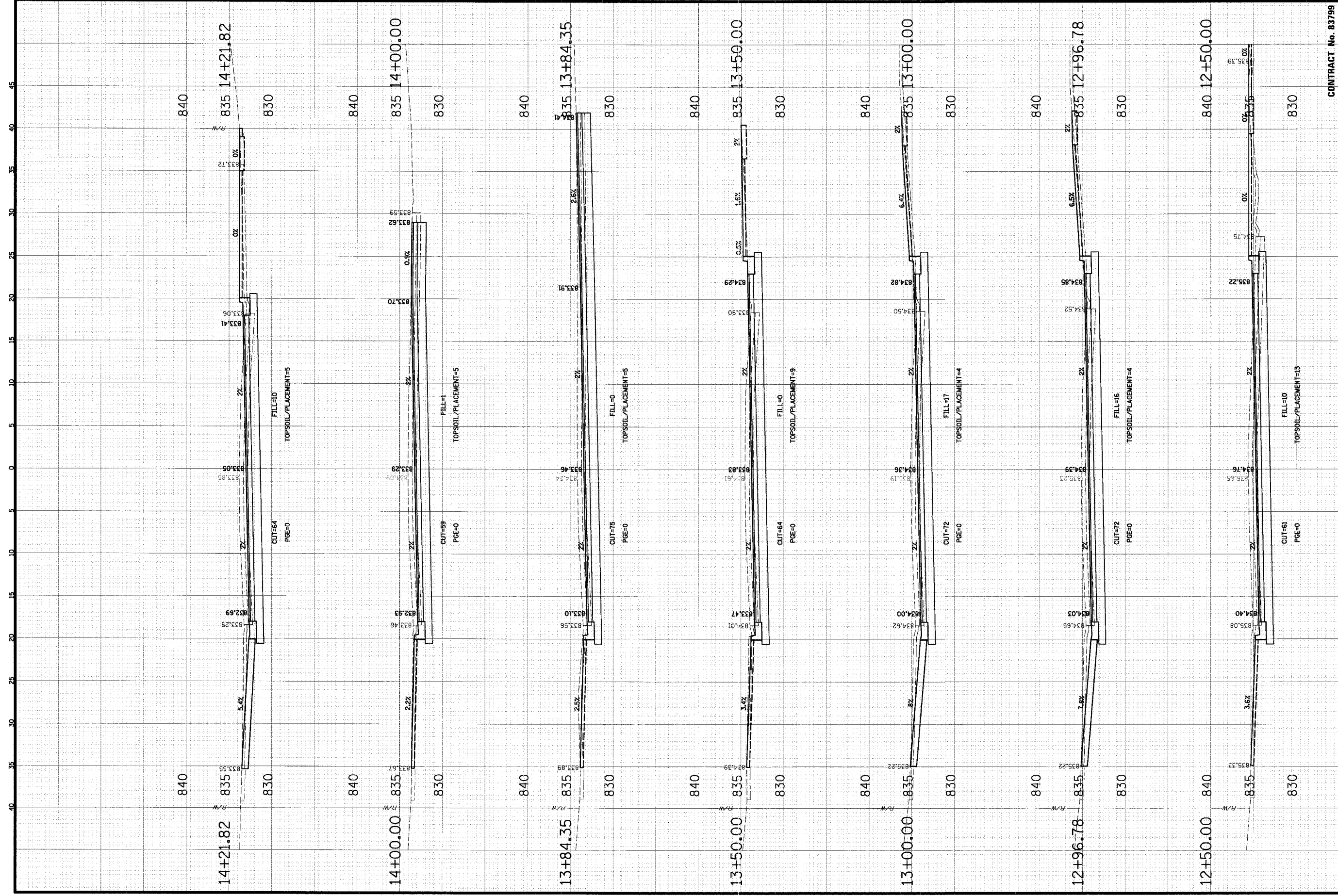
**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CONTRACT No. 83799

NO.	DATE	MATURE OF REVISION	CRKD.
DESIGN	01/05/05		
DRAWN	01/05/05		
CHKD.	01/05/05		
SCALE:	HORIZ 1" = 5'		
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FILE NAME:	N:\SCHAUMBURG\01-434\DESIGN\WALNUT.LAY		

PROJECT NO. 01-434  
 SHEET 59 OF 98  
 DRAWING NO. XS-3  
 DATE: 04/05/2005



**CHRISTOPHER B. BURKE ENGINEERING L.T.D.**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

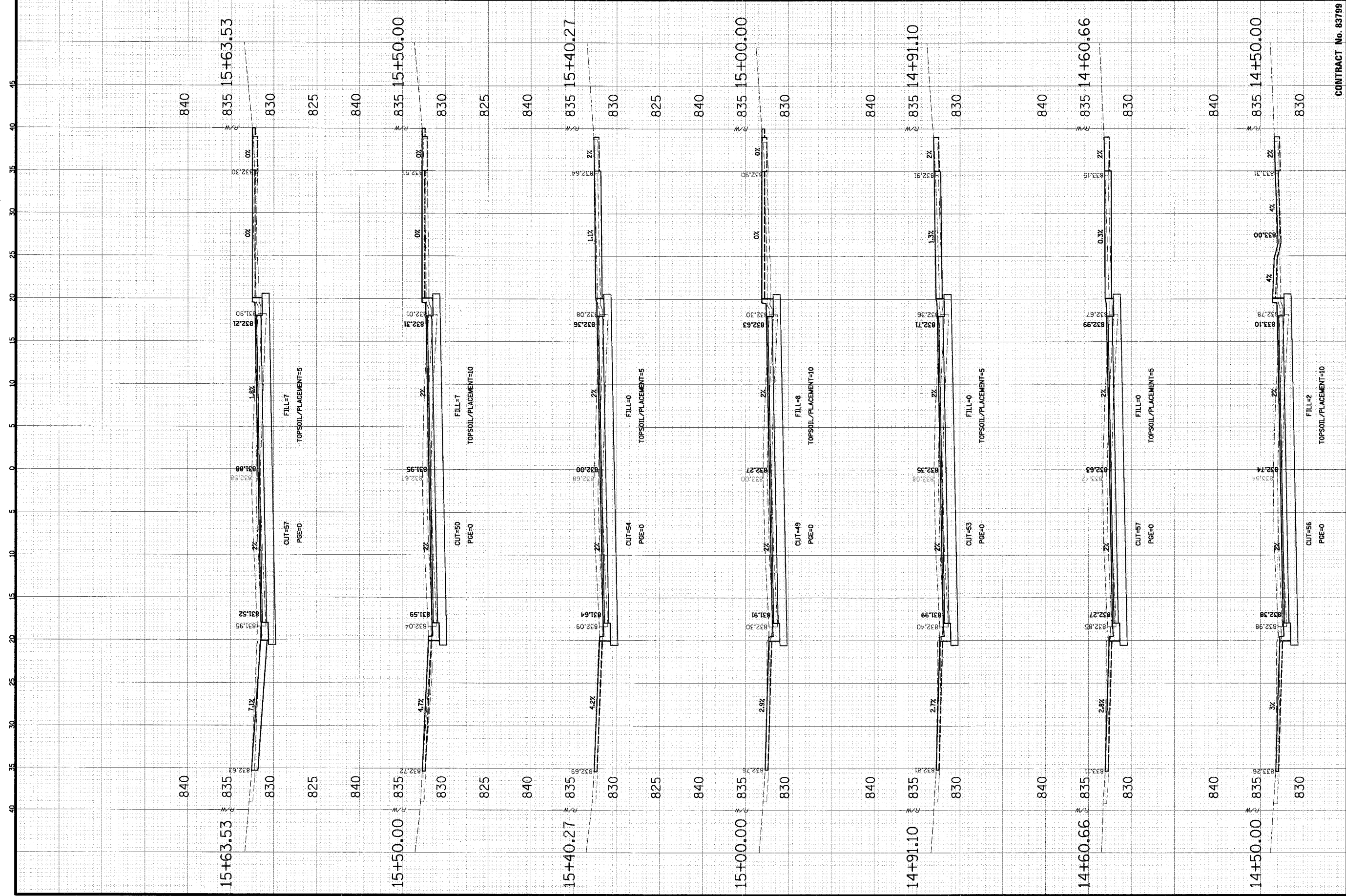
**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CONTRACT No. 83799

NO.	DATE	TITLE	MATURE OF REVISION	CHKD.
DESIGN	CS	TITLE 1		
DRAWN	CS			
CHKD.	JCS			

SCALE:  
 HORIZ 1" = 5'  
 VERT 1" = 5'

PROJECT NO. 01-434  
 SHEET 60 OF 98  
 DRAWING NO. XS-4  
 DATE: 04/05/2005



**CHRISTOPHER B. BURKE ENGINEERING LTD.**  
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 Rosemont, Illinois 60018  
 (847) 823-0500

**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Center  
 Schaumburg, IL 60193-7806

**CLIENT:**

**CONTRACT No. 83799**

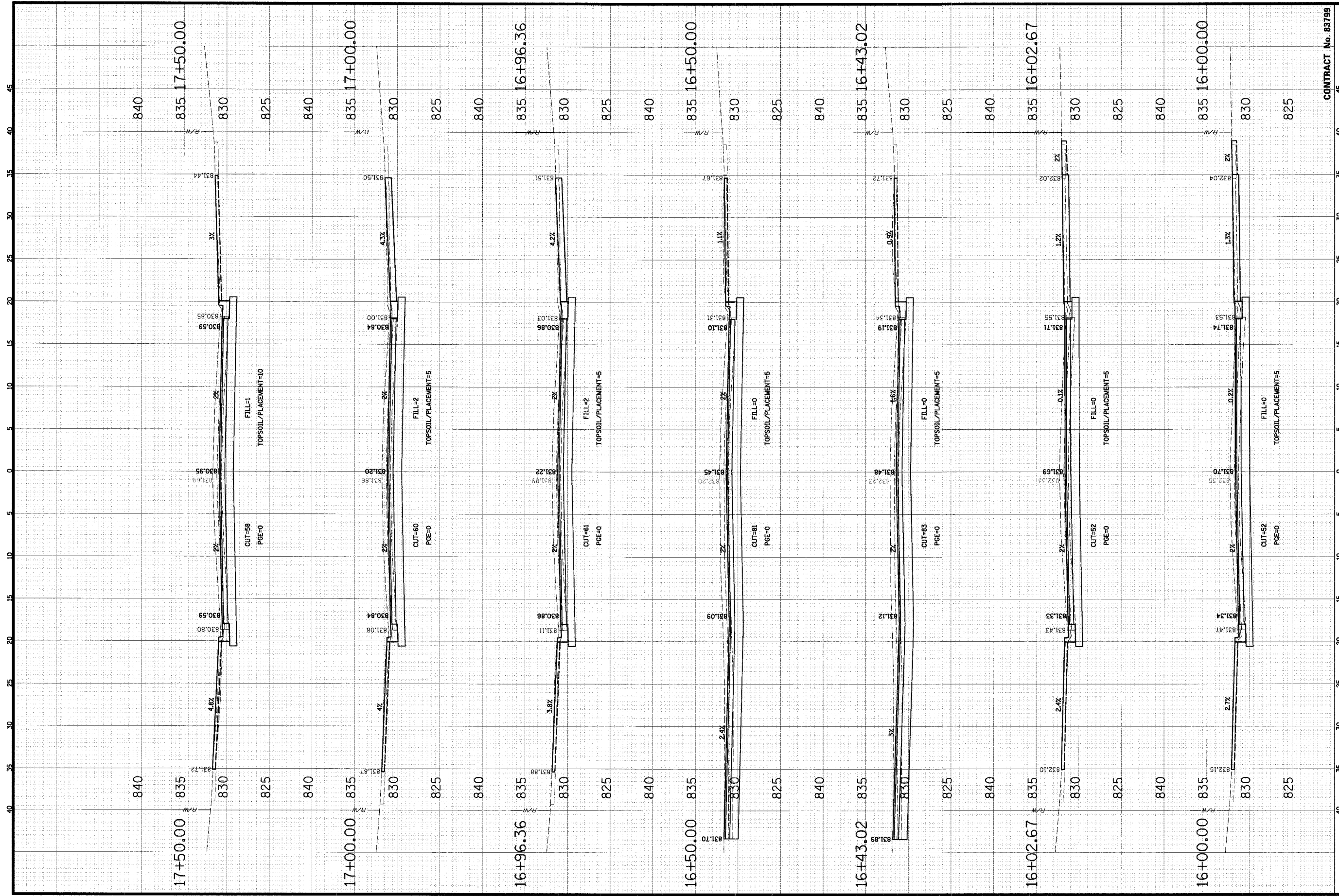
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**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

NO.	DATE	NATURE OF REVISION	CHKD.
DISN.	GS		
DWL	GS		
CHKD.	JOS		

PROJECT NO. 01-434  
 SHEET 61 OF 98  
 DRAWING NO. XS-5  
 DATE: 04/05/2005

SCALE: HORIZ 1" = 5'  
 VERT 1" = 5'

FILE NAME: N:\SCHAUMBURG\01-434\DESIGN\WALNUT



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 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CONTRACT No. 83799

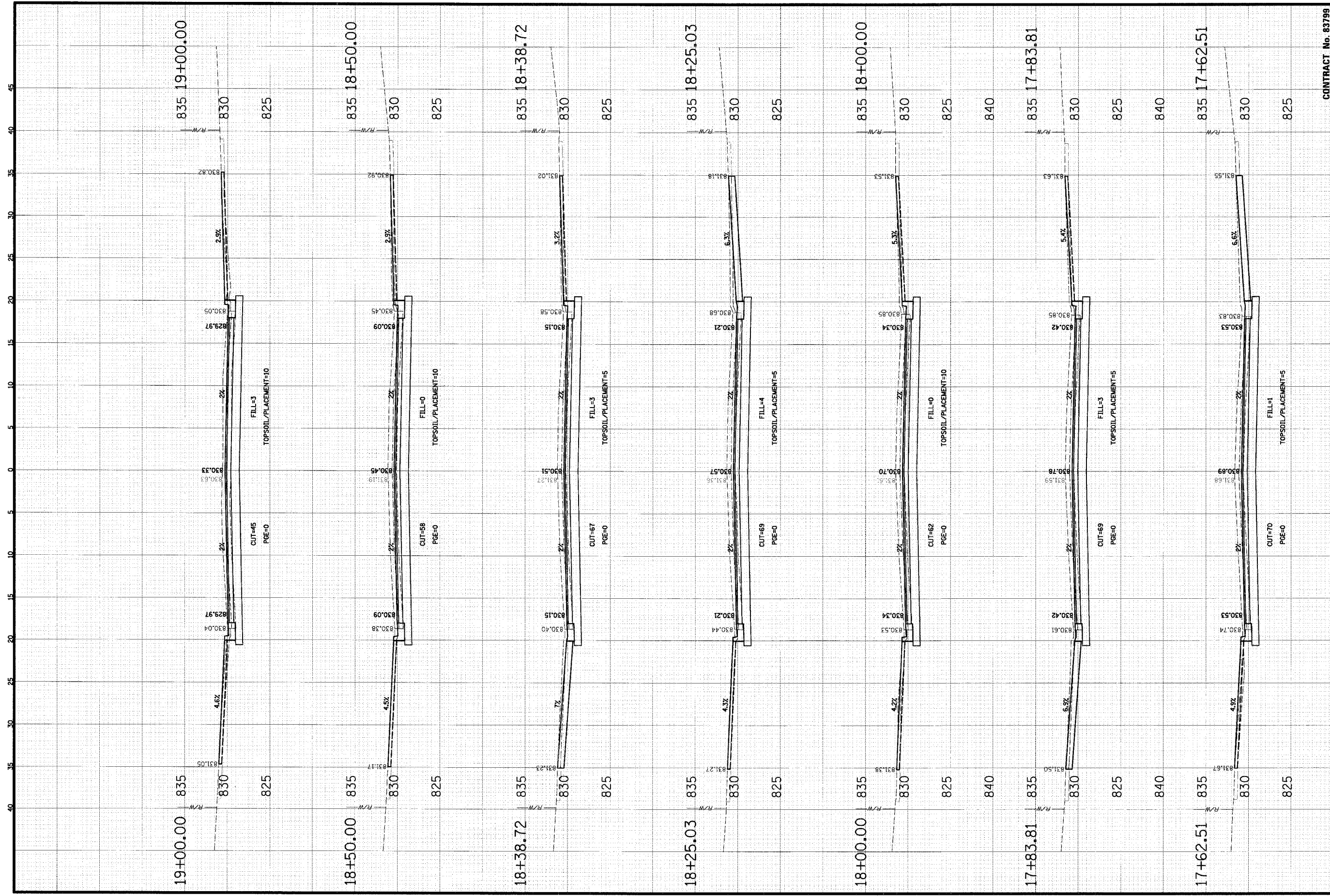
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DSGN.	GS		
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PROJECT NO. 01-434  
 SHEET 62 OF 98  
 DRAWING NO. XS-6  
 DATE 04/05/2005

FILE NAME: IN\SCHAUMBURG\01-434\DESIGN\WALNUT

CLIENT: ENGINEERING LTD.

SCALE: HORIZ 1" = 5'  
 VERT 1" = 5'



**CHRISTOPHER B. BURKE ENGINEERING L.T.D.**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

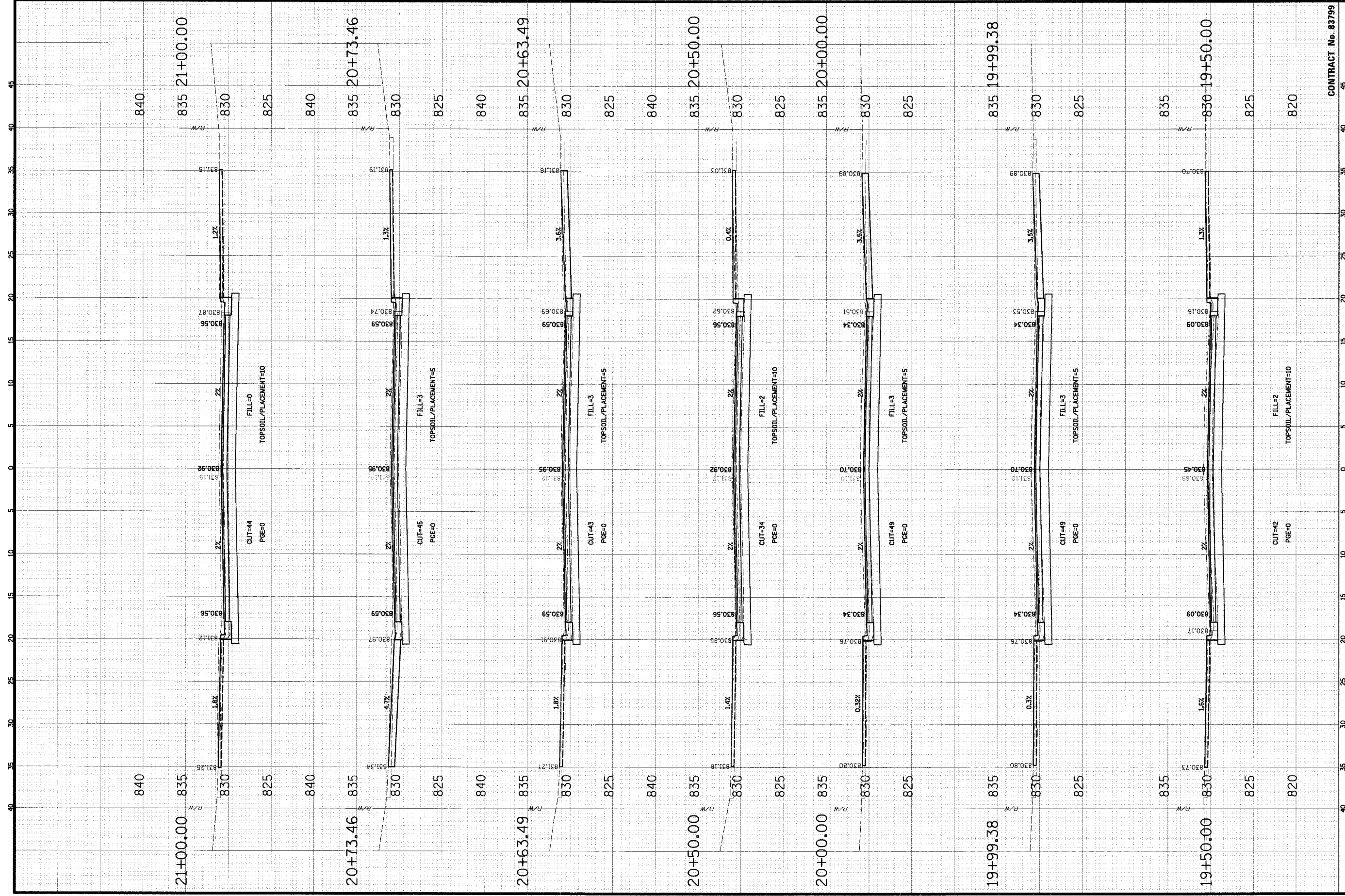
**CLIENT:** VILLAGE OF SCHAUMBURG

**CONTRACT No. 83799**

NO.	DATE	BY	CHKD.	NATURE OF REVISION
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**TITLE 1**  
**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

PROJECT NO. 01-434  
 SHEET 63 OF 98  
 DRAWING NO. XS-7  
 DATE: 07/05/2006



**CHRISTOPHER B. BURKE ENGINEERING L.T.D.**  
 9575 West Higgins Road, Suite 600  
 Rosemont, Illinois 60018  
 (847) 823-0500

**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 01 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CLIENT:**

NO.	DATE	TITLE	NATURE OF REVISION	CHKD.
DESIGN	CS	TITLE 1		
DRAWN	CS			
CHKD.	JGS			

**CROSS SECTIONS  
 WALNUT LANE  
 C-91-108-04**

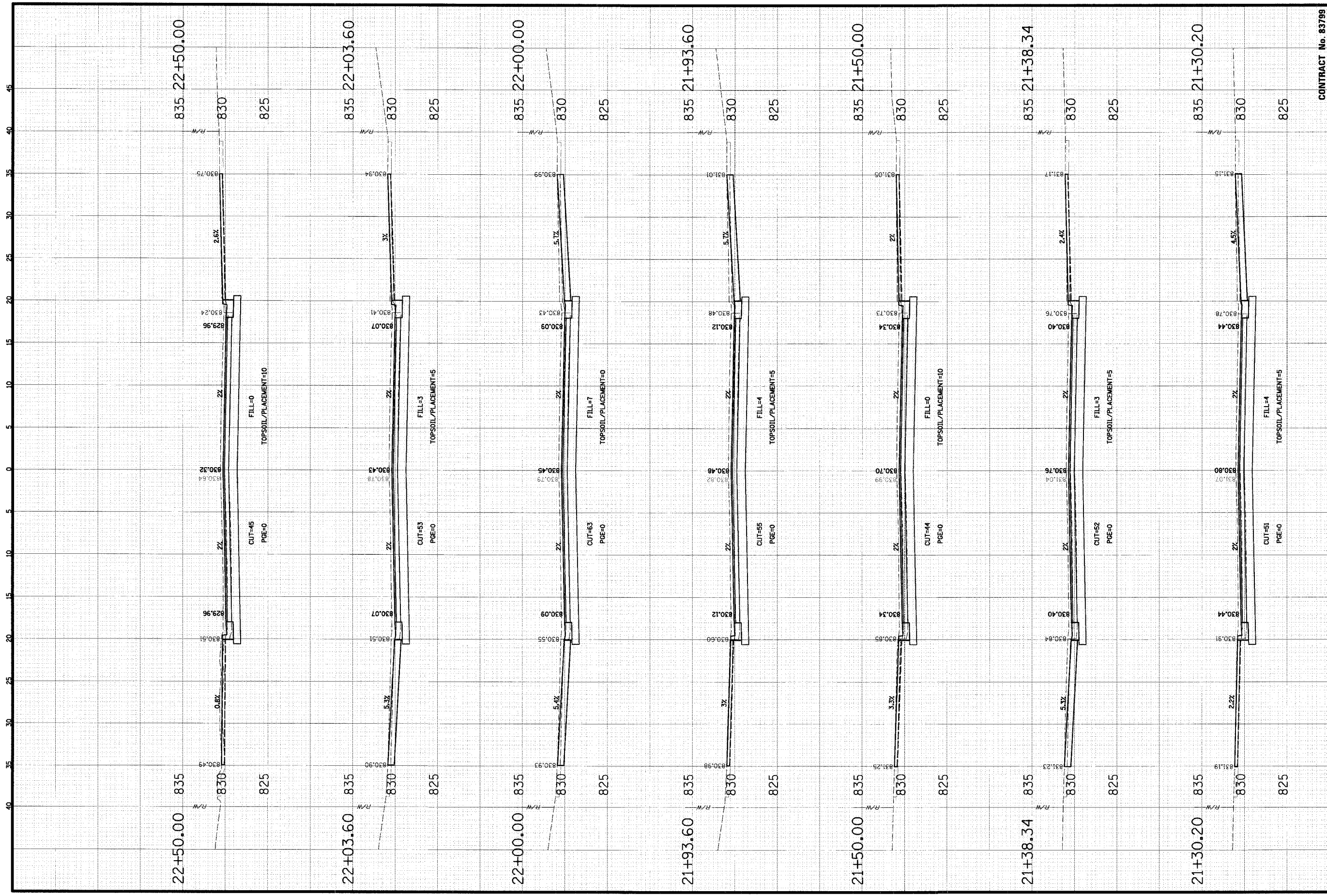
SCALE:  
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 VERT 1" = 5'

FILE NAME: N:\SCHAUMBURG\01-434\DESIGN\WALNUT.LAY

CONTRACT No. 83799

PROJECT NO. 01-434  
 SHEET 64 OF 98  
 DRAWING NO. XS-8  
 DATE: 04/05/2005





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 Rosemont, Illinois 60018  
 (847) 823-0500

**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

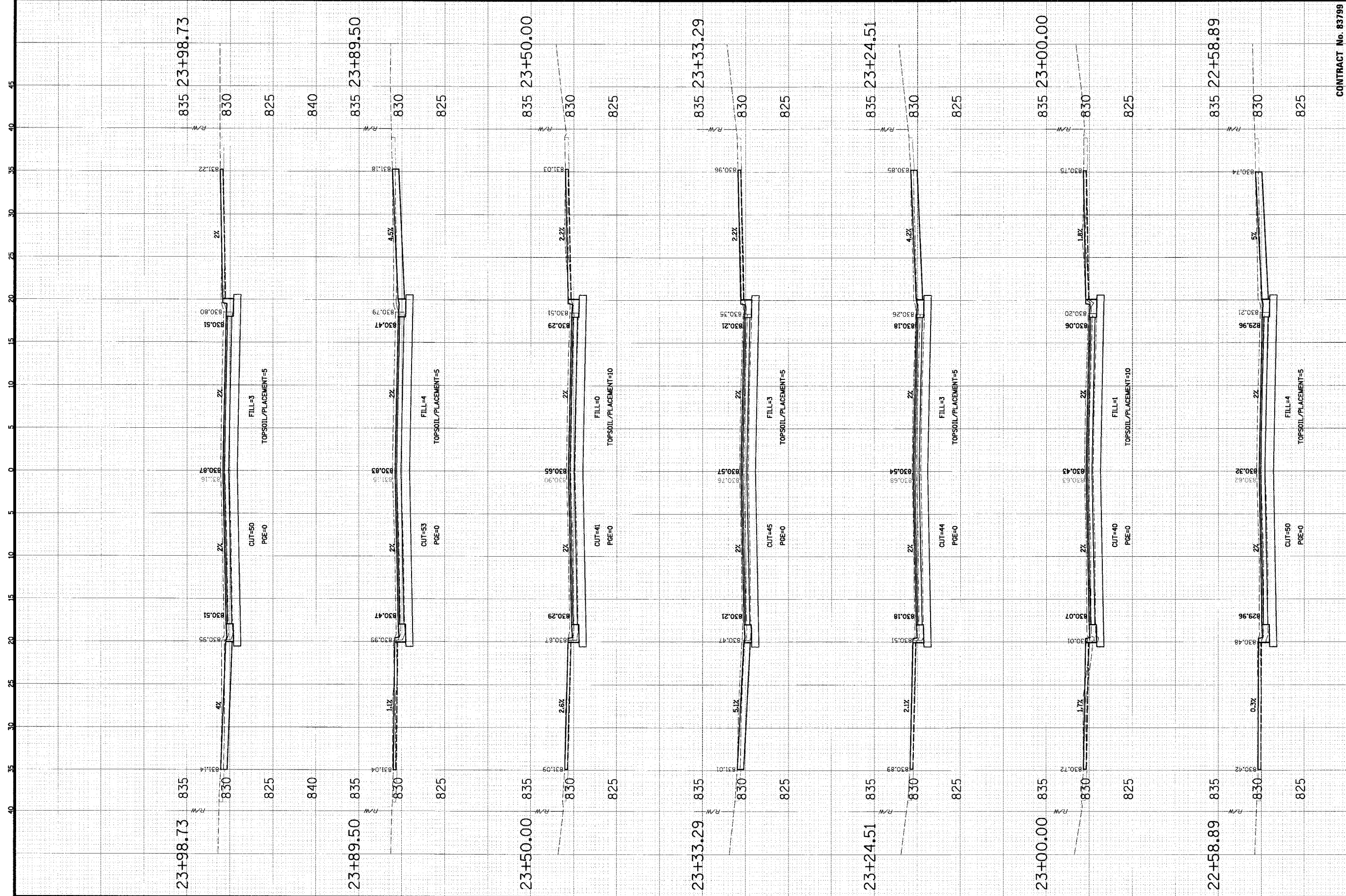
CONTRACT No. 83799

NO.	DATE	BY	CHKD.	MATURE OF REVISION
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PROJECT NO. 01-434  
 SHEET 65 OF 98  
 DRAWING NO. XS-9  
 DATE 04/05/2005

FILE NAME: N:\SCHAUMBURG\01-434\DESIGN\WALNUT.LAY

SCALE: HORIZ 1" = 5'  
 VERT 1" = 5'



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 Rosemont, Illinois 60018  
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**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CONTRACT No. 83799

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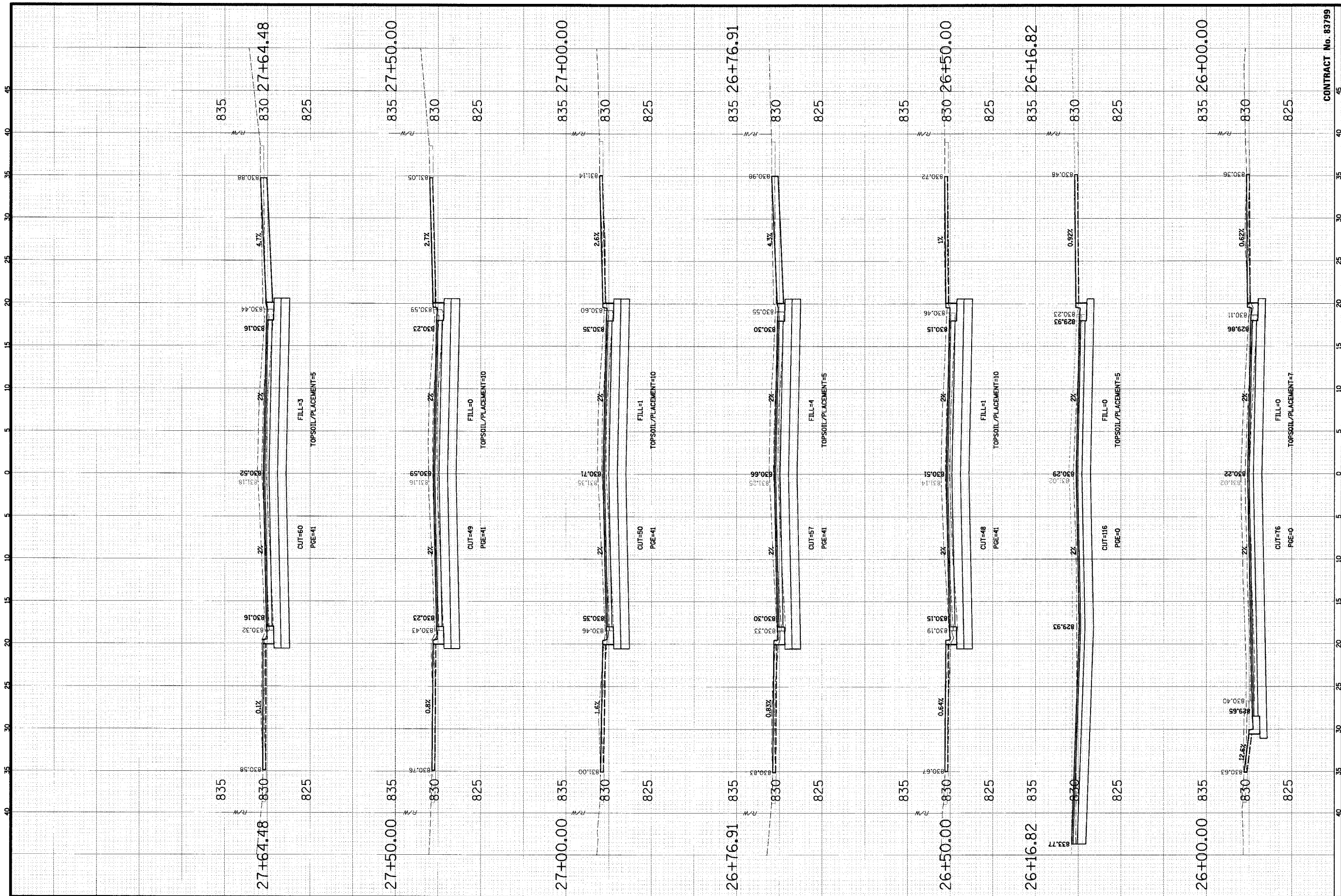
PROJECT NO. 01-434  
 SHEET 66 OF 98  
 DRAWING NO. XS-10  
 DATE: 04/05/2005

FILE NAME: N:\SCHAUMBURG\01-434 DESIGN\WALNUT.LAY

SCALE: HORIZ 1" = 5' VERT 1" = 5'

CLIENT: CHRISTOPHER B. BURKE ENGINEERING L.T.D.





**CHRISTOPHER B. BURKE ENGINEERING L.T.D.**  
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 Rosemont, Illinois 60018  
 (847) 823-0500

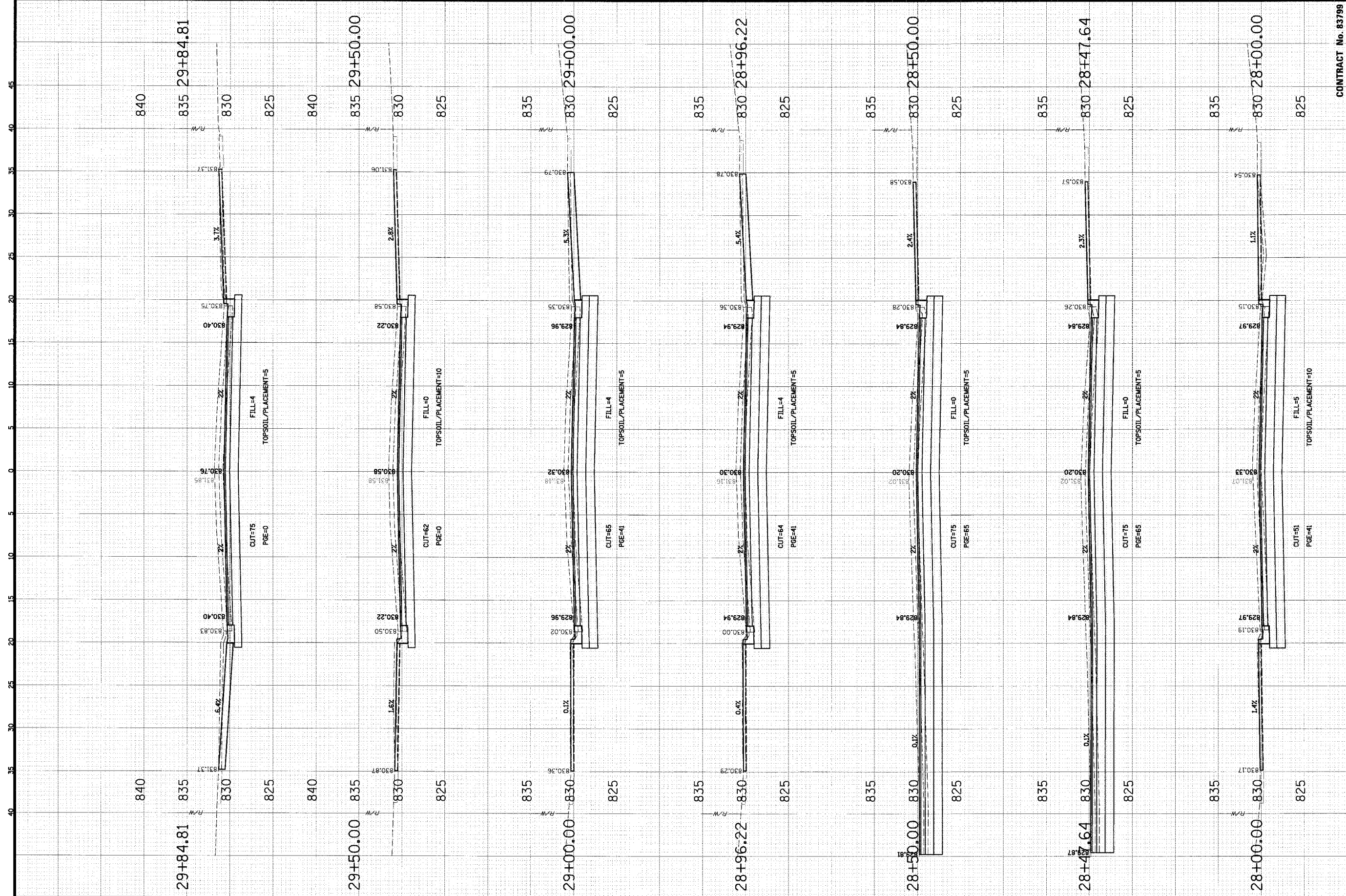
**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 01 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CLIENT:**

**CONTRACT No. 83799**

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PROJECT NO. 01-434  
 SHEET 68 OF 98  
 DRAWING NO. XS-12  
 DATE: 04/05/2005



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 Rosemont, Illinois 60018  
 (847) 823-0500

**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

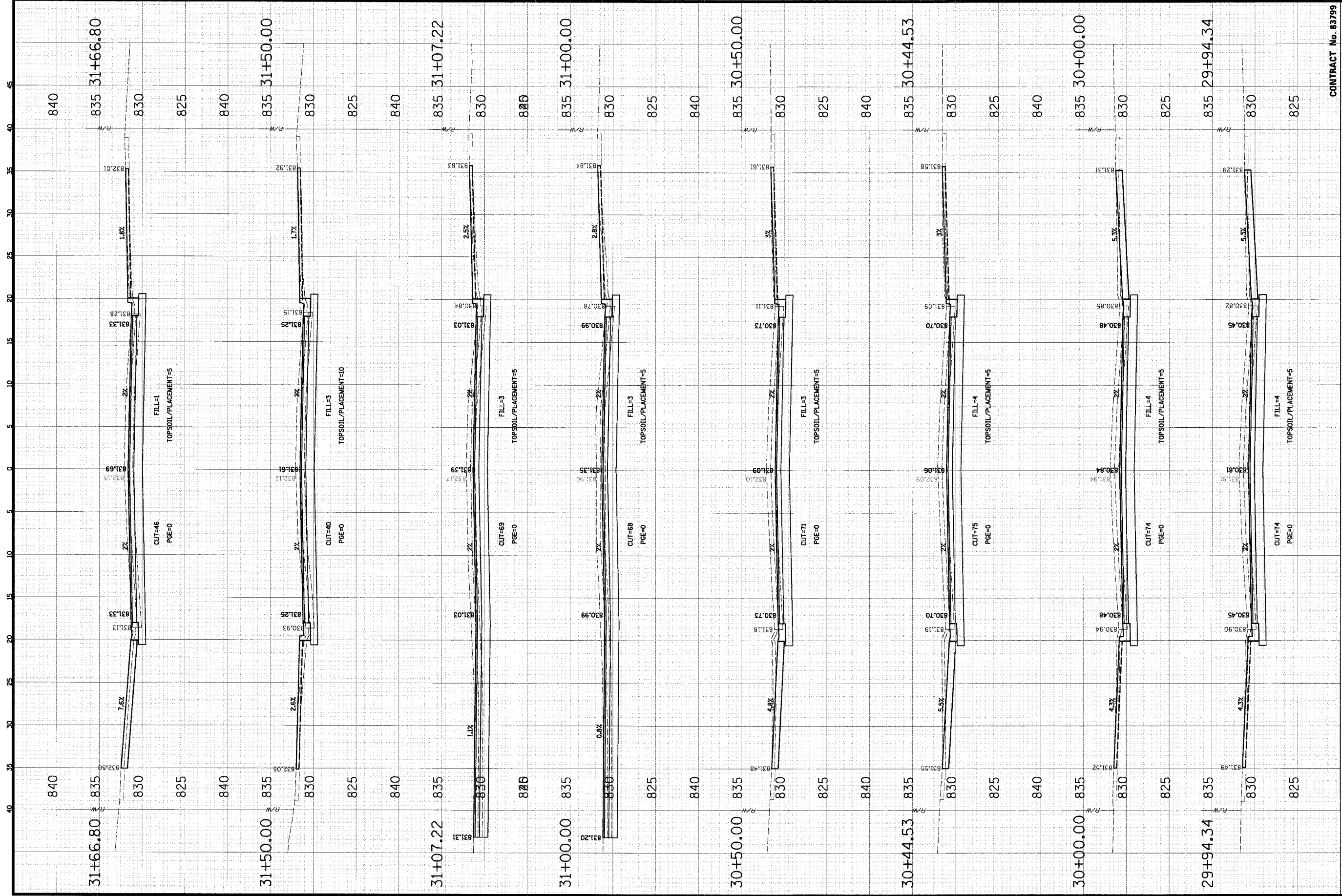
**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CONTRACT No. 83799

NO.	DATE	NATURE OF REVISION	CRKD.
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PROJECT NO. 01-434  
 SHEET 69 OF 96  
 DRAWING NO. XS-13  
 DATE: 04/05/2005

FILE NAME: N:\SCHAUMBURG\01-434\DESIGN\WALNUT.LAY  
 SCALE: HORIZ 1" = 5'  
 VERT 1" = 5'



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 (847) 823-0500

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 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

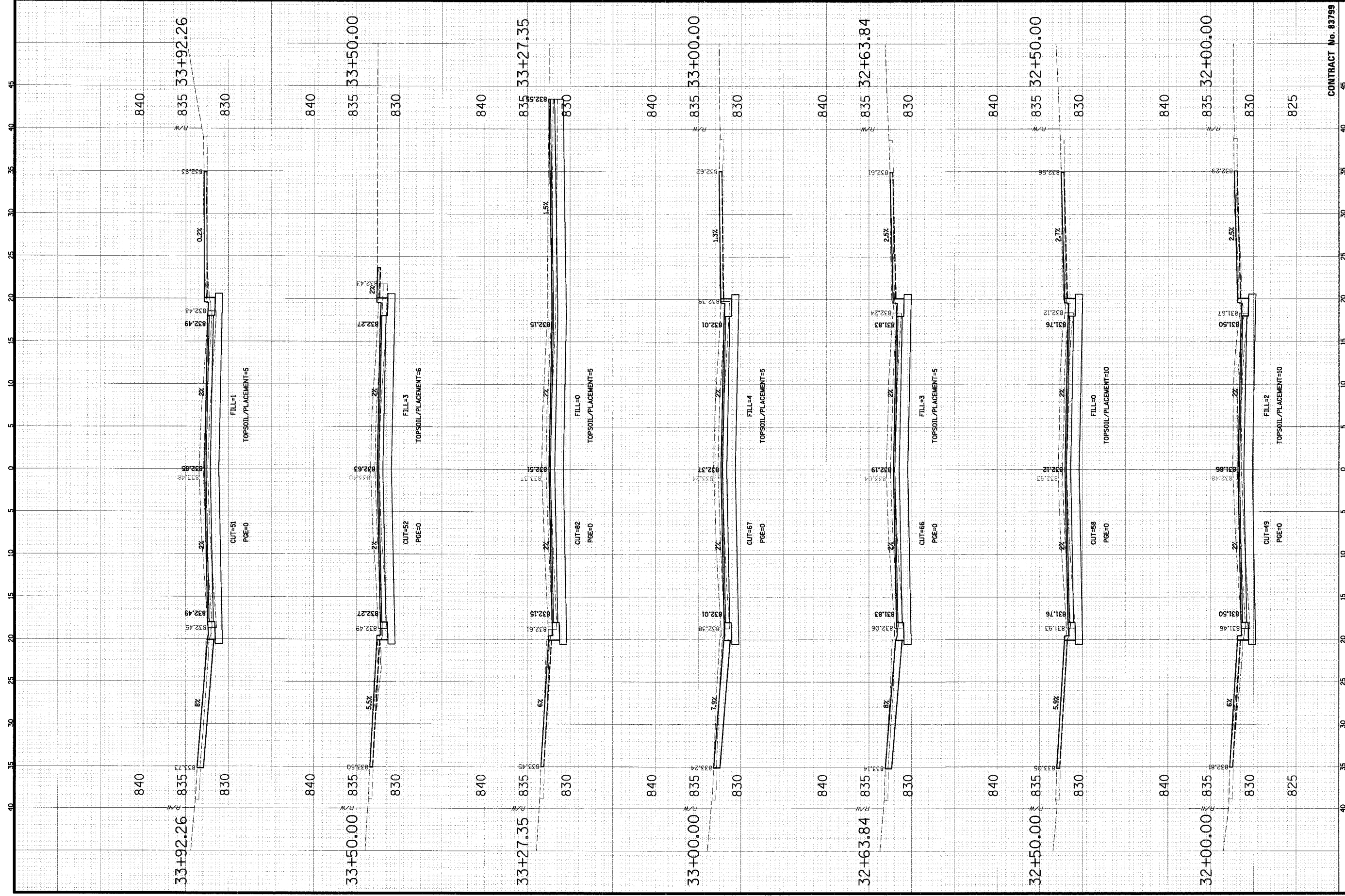
**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CONTRACT No. 83799

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PROJECT NO. 01-434  
 SHEET 70 OF 98  
 DRAWING NO. XS-14  
 DATE 04/05/2005

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 SCALE: HORIZ 1" = 5'  
 VERT 1" = 5'



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 Rosemont, Illinois 60018  
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 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

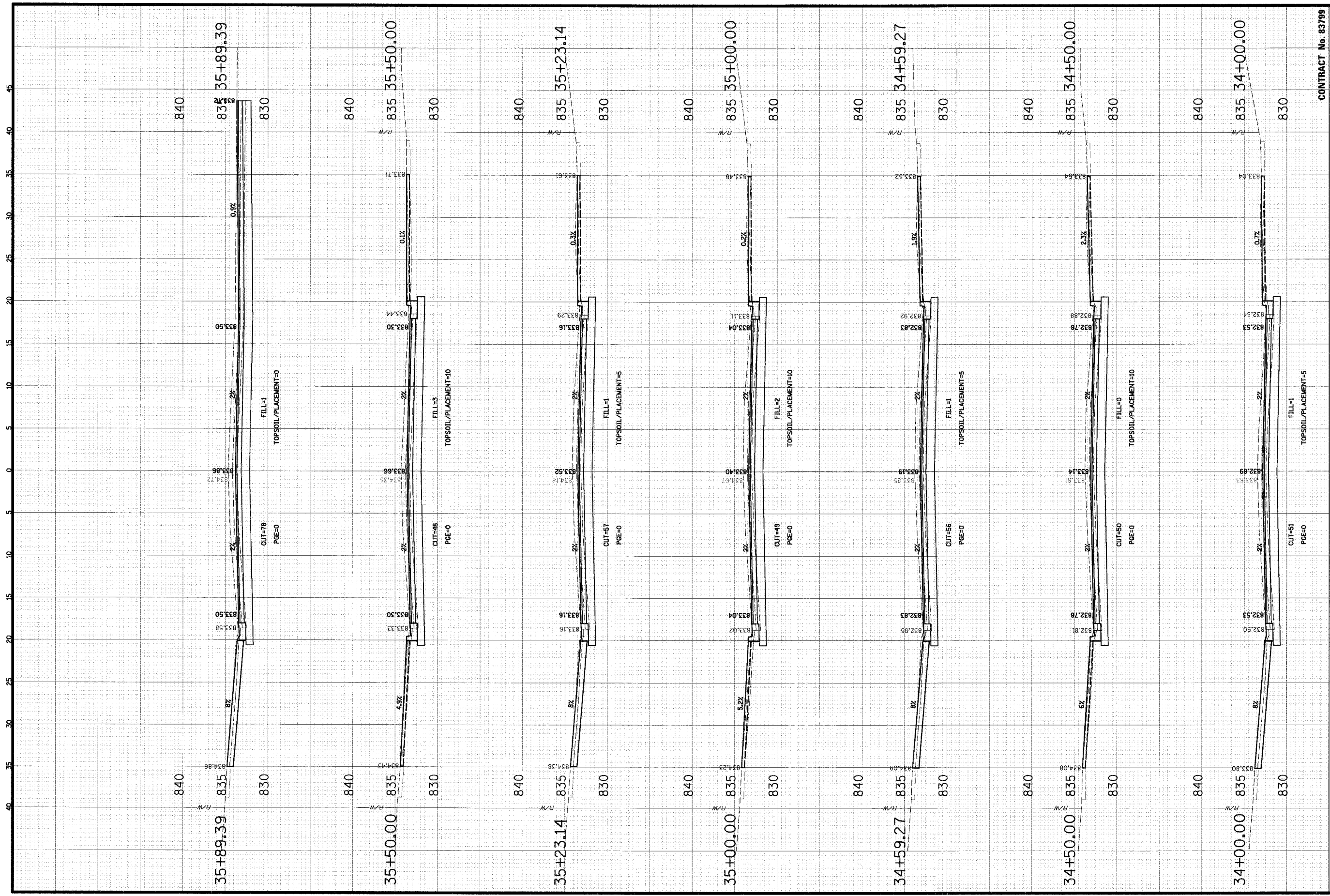
**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CLIENT: VILLAGE OF SCHAUMBURG  
 CONTRACT No. 83799

NO.	DATE	NATURE OF REVISION	CHKD.
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CHECKED			

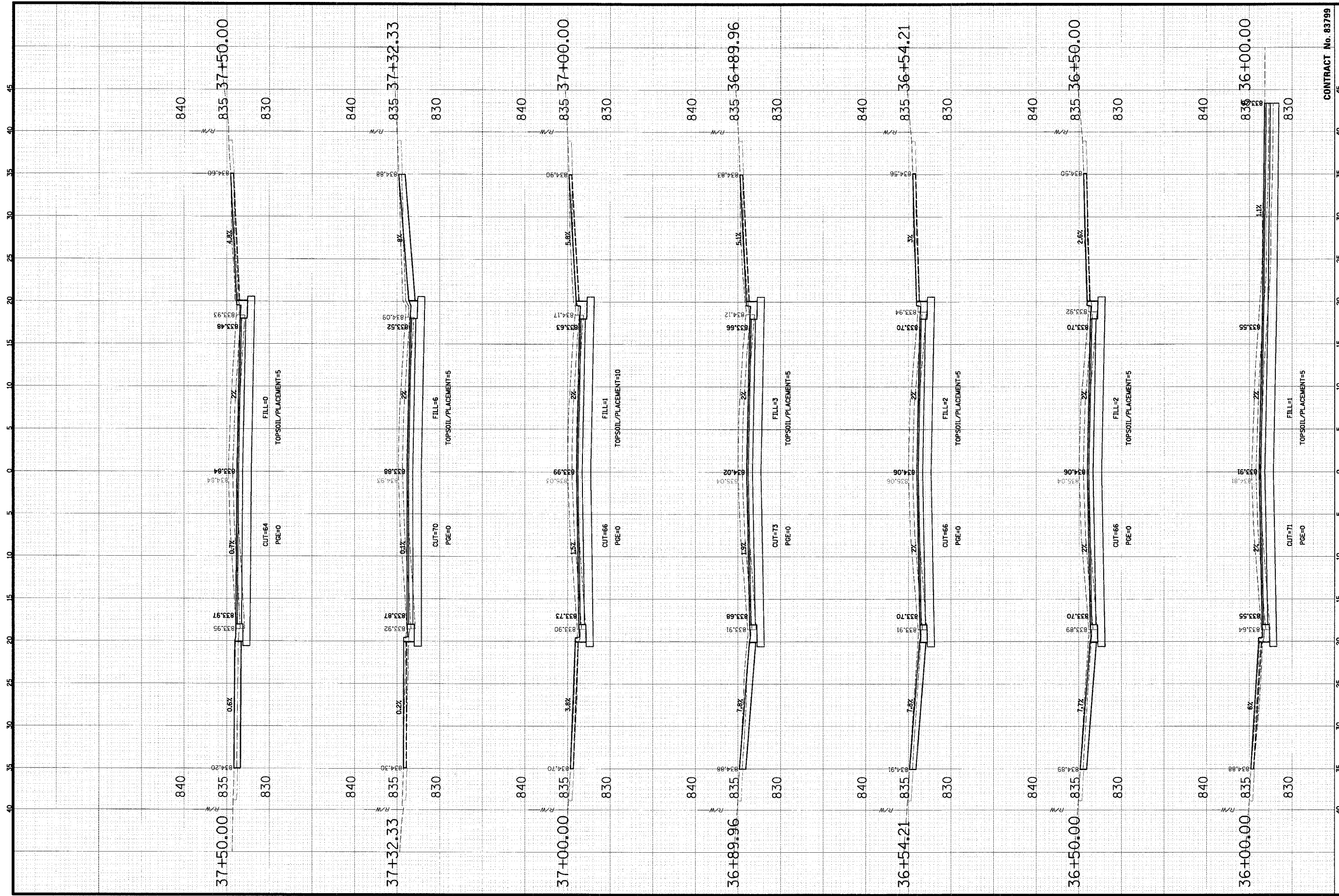
PROJECT NO. 01-434  
 SHEET 71 OF 98  
 DRAWING NO. XS-15  
 DATE: 04/05/2005

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 VERT 1" = 5'

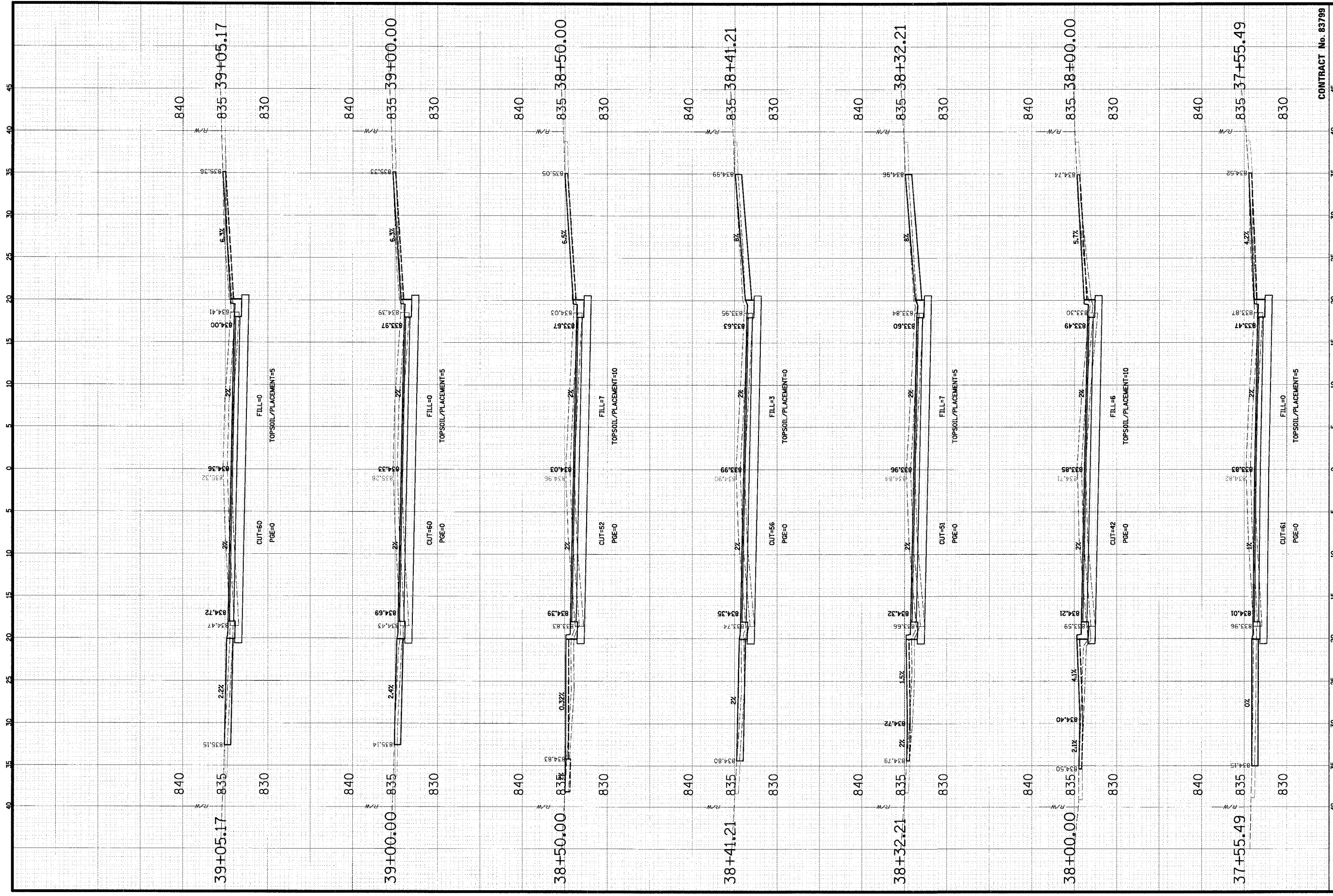


<b>CLIENT:</b> <b>CHRISTOPHER B. BURKE ENGINEERING L.T.D.</b> 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500		<b>CLIENT:</b> <b>VILLAGE OF SCHAUMBURG</b> Engineering Department 101 Schaumburg Court Schaumburg, IL 60193-7806	
<b>CONTRACT No. 83799</b>		<b>CONTRACT No. 83799</b>	
<b>NO.</b>	<b>DATE</b>	<b>NO.</b>	<b>DATE</b>
<b>DSGN.</b>	<b>GS</b>	<b>DSGN.</b>	<b>GS</b>
<b>DWN.</b>	<b>GS</b>	<b>DWN.</b>	<b>GS</b>
<b>CHKD.</b>	<b>JCS</b>	<b>CHKD.</b>	<b>JCS</b>
<b>SCALE:</b> HORIZ 1" = 5' VERT 1" = 5'		<b>SCALE:</b> HORIZ 1" = 5' VERT 1" = 5'	
<b>FILE NAME:</b> N:\SCHAUMBURG\01-434\DESIGN\WALNUT		<b>FILE NAME:</b> N:\SCHAUMBURG\01-434\DESIGN\WALNUT	
<b>TITLE 1</b> <b>CROSS SECTIONS</b> <b>WALNUT LANE</b> <b>C-91-108-04</b>		<b>TITLE 1</b> <b>CROSS SECTIONS</b> <b>WALNUT LANE</b> <b>C-91-108-04</b>	
<b>PROJECT NO.</b> 01-434		<b>PROJECT NO.</b> 01-434	
<b>SHEET 72 OF 98</b>		<b>SHEET 72 OF 98</b>	
<b>DRAWING NO.</b> XS-16		<b>DRAWING NO.</b> XS-16	
<b>DATE:</b> 04/05/2005		<b>DATE:</b> 04/05/2005	





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CONTRACT No. 83799		TITLE: <b>CROSS SECTIONS WALNUT LANE C-91-108-04</b>		NATURE OF REVISION	
PROJECT NO. 01-434		DATE		CHKD.	
SHEET 73 OF 98		NO. DATE		NO. DATE	
DRAWING NO. XS-17		DSGN. OS		NO. DATE	
		DWL. OS		NO. DATE	
		CHKD. JCS		NO. DATE	
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		VERT 1" = 5'		NO. DATE	
		FILE NAME:		NO. DATE	
		IN\SCHAUMBURG\01-03\DESIGN\WALNUT		NO. DATE	



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 101 Schaumburg Court  
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**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

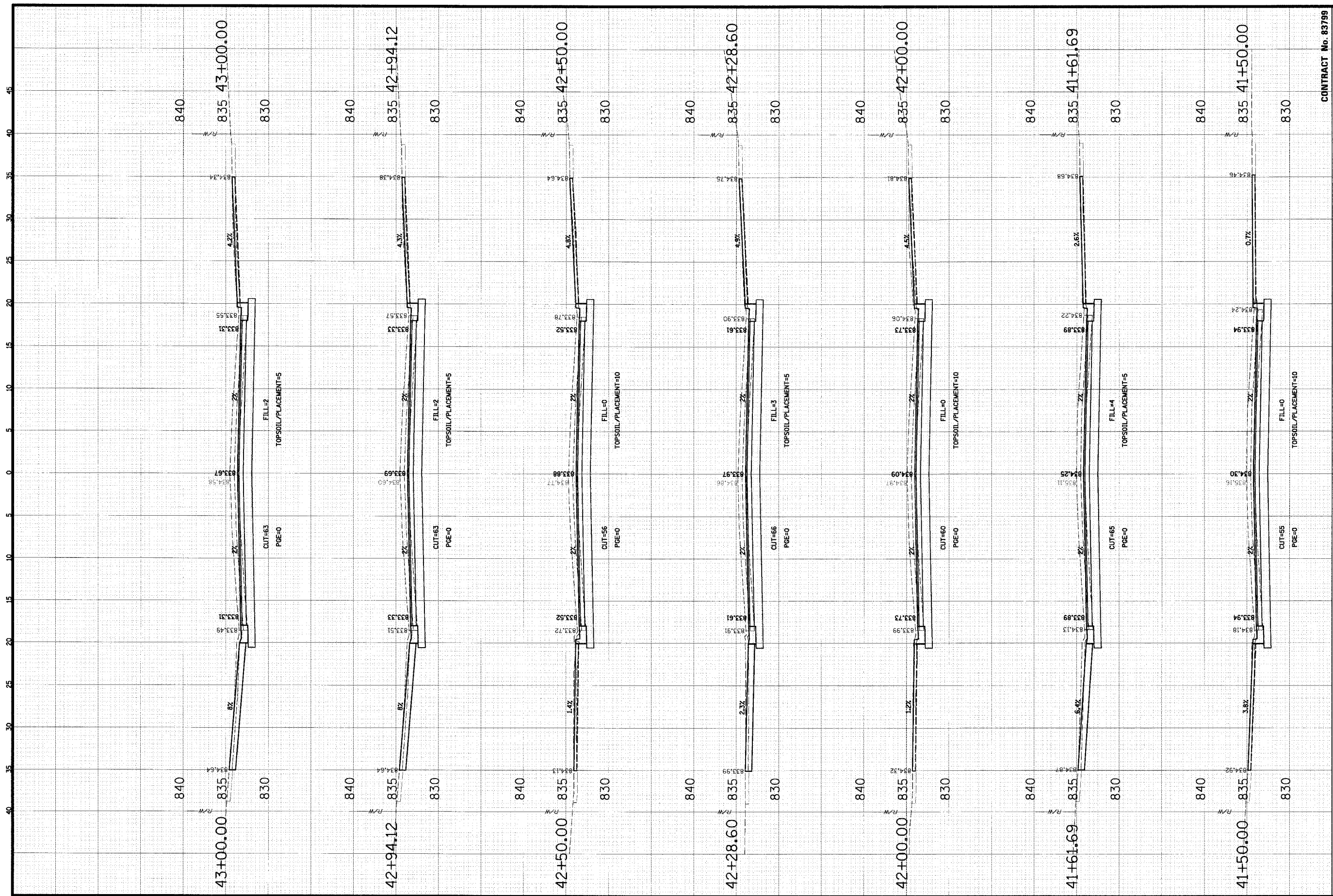
CONTRACT No. 83799

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PROJECT NO. 01-434  
 SHEET 74 OF 98  
 DRAWING NO. XS-18  
 DATE 04/05/2005

FILE NAME: N:\SCHAUMBURG\01-03\DESIGN\WALNUT





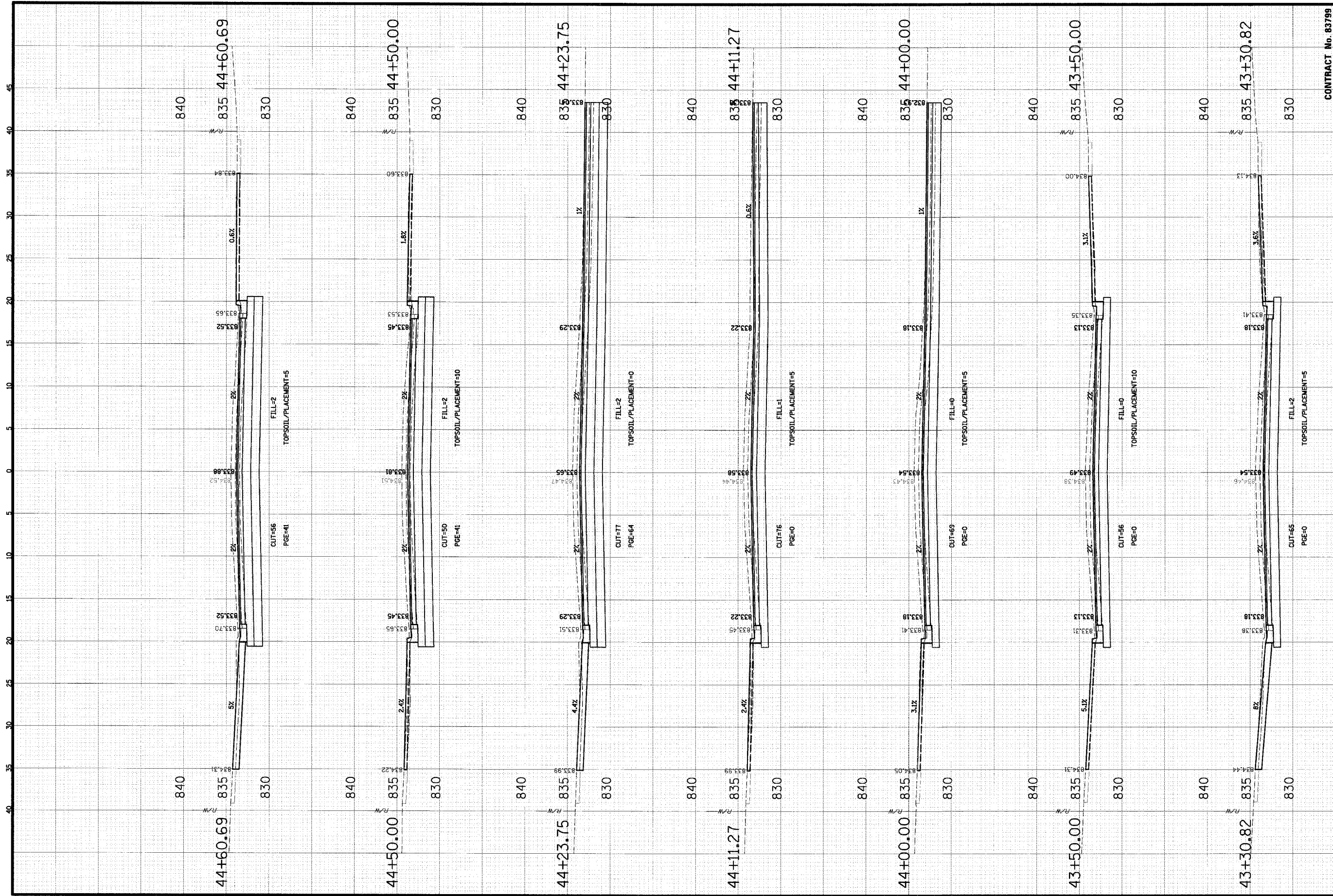
CONTRACT No. 83799

PROJECT NO.	01-434
CHECKED	
TITLE	CROSS SECTIONS WALNUT LANE C-91-108-04
NO.	DATE
DSGN.	CS
DWN.	CS
CHKD.	JCS
SCALE:	HORIZ 1" = 5'
	VERT 1" = 5'
FILE NAME:	N:\SCHAUMBURG\01-434\DESIGN\WALNUT

CLIENT:  
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 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

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 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CLIENT:**

**CONTRACT No. 83799**

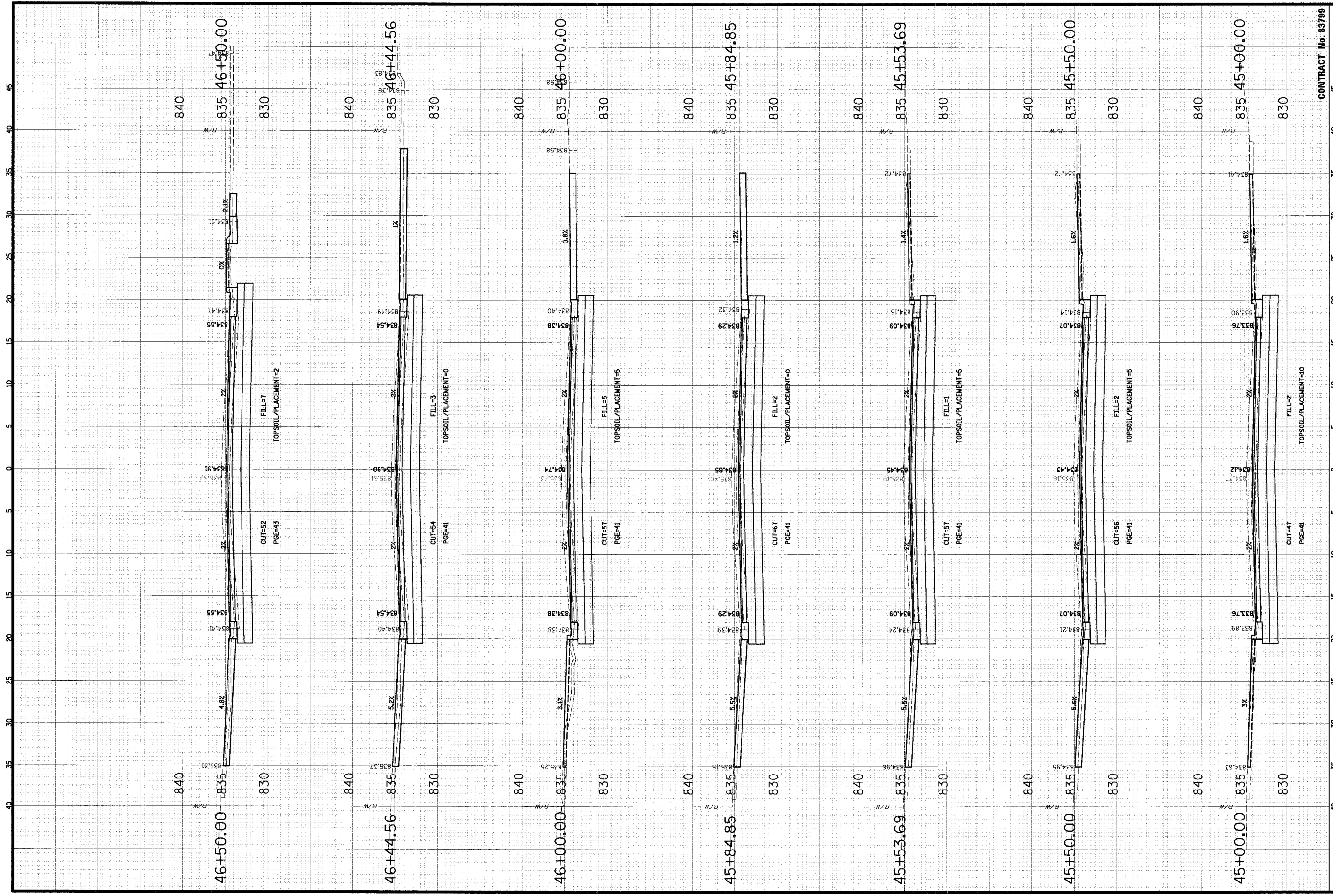
NO.	DATE	DATE	NATURE OF REVISION	CHKD.
DISN.	GS	GS		
DWN.	GS	GS		
CHKD.	JCS	JCS		

**TITLE:** CROSS SECTIONS  
**WALNUT LANE**  
**C-91-108-04**

**PROJECT NO.:** 01-434  
**SHEET:** 77 OF 98  
**DRAWING NO.:** XS-21  
**DATE:** 04/05/2005

**FILE NAME:** N:\SCHAUMBURG\01-434\DESIGN\WALNUT

**SCALE:** HORIZ 1" = 5'  
 VERT 1" = 5'



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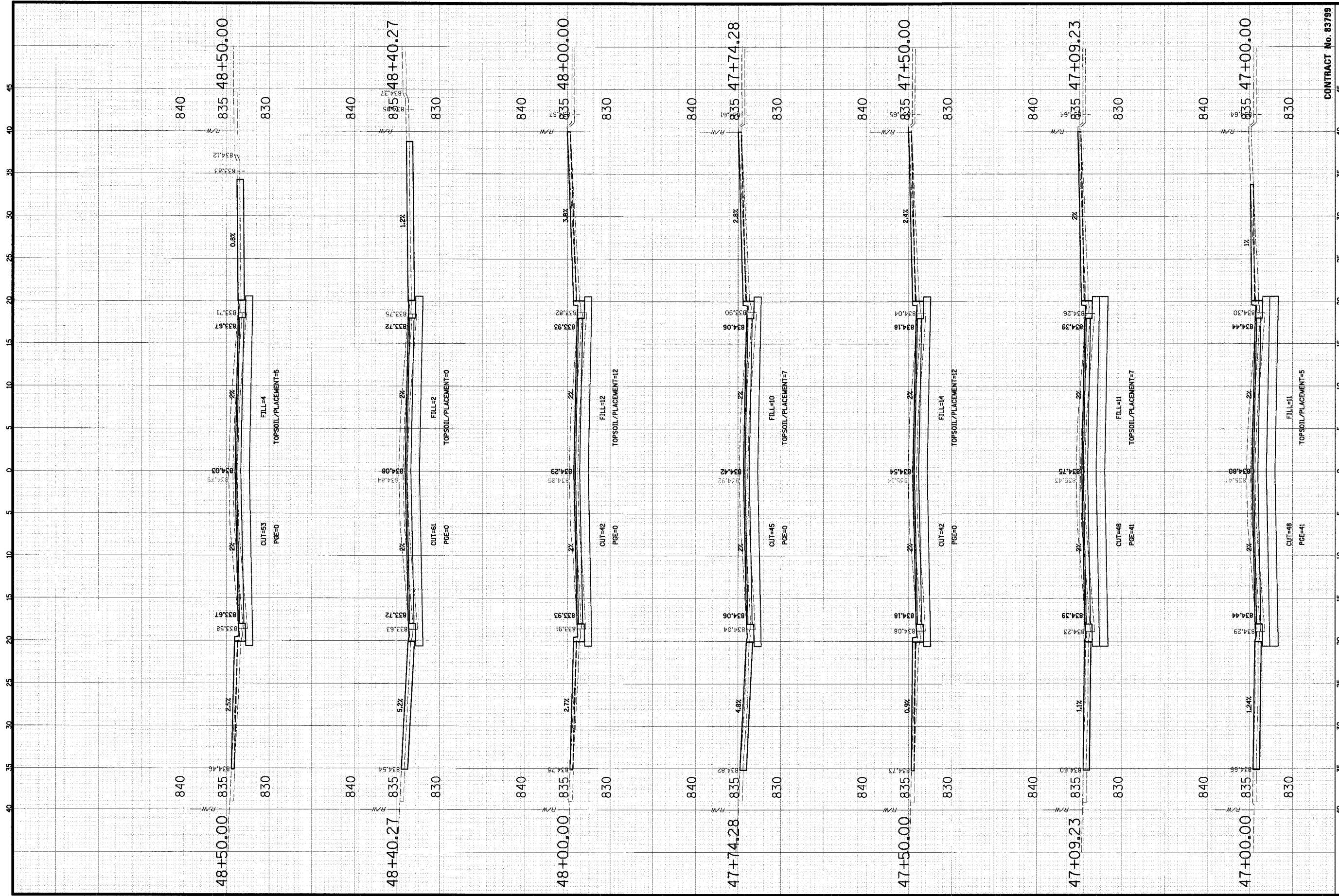
**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CLIENT: VILLAGE OF SCHAUMBURG  
 CONTRACT No. 83799

NO.	DATE	NATURE OF REVISION	CHKD.
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PROJECT NO. 01-434  
 SHEET 78 OF 98  
 DRAWING NO. XS-22  
 DATE 01/05/2005



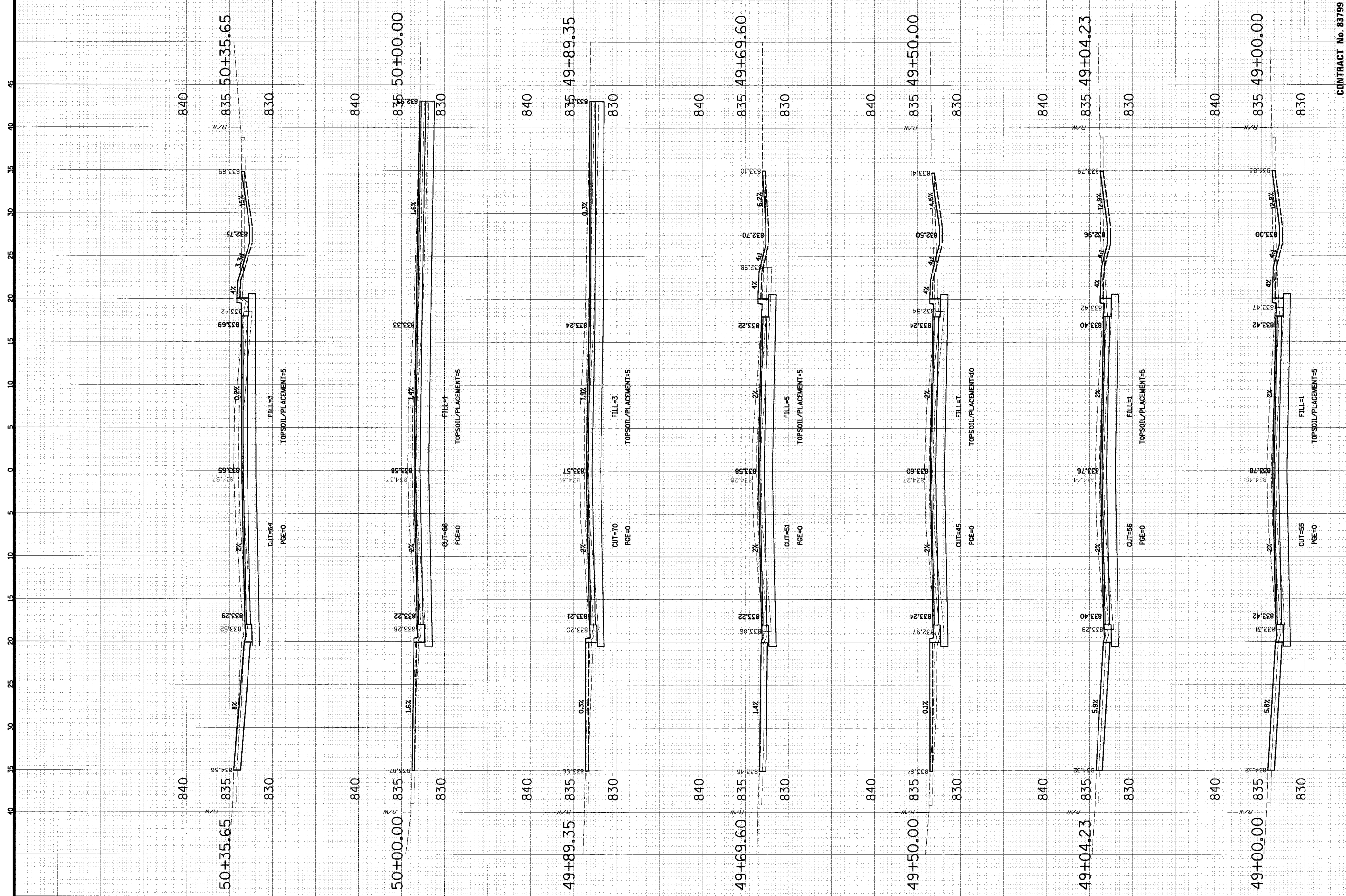
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 Rosemont, Illinois 60018  
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**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CLIENT:**

**CONTRACT No. 83799**

NO.	DATE	TITLE	NATURE OF REVISION	CHKD.	PROJECT NO.
DESIGN	05/05	CROSS SECTIONS WALNUT LANE C-91-108-04			01-434
DRAWN	05/05				
CHKD.	JGS	SHEET 79 OF 98			
SCALE:		DRAWING NO.			
HORIZ 1" = 5'		XS-23			
VERT 1" = 5'					
FILE NAME:					DATE 04/05/2005



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 Schaumburg, IL 60193-7806

**CLIENT:**

**FILE NAME:** N:\SCHAUMBURG\01-434\DESIGN\WALLAY

**CONTRACT No. 83799**

**TITLE:** CROSS SECTIONS  
 WALNUT LANE  
 C-91-108-04

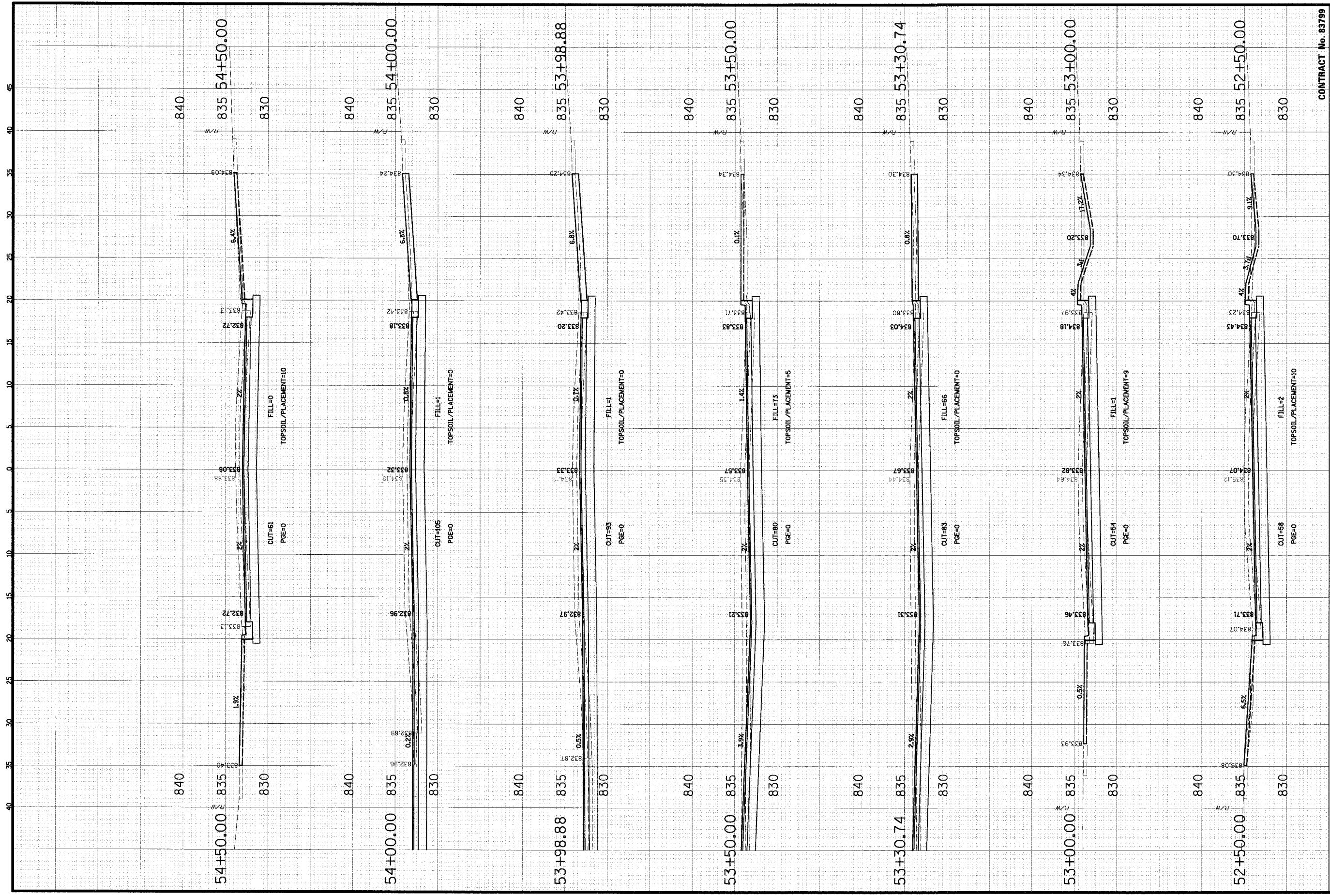
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**PROJECT NO. 01-434**  
**SHEET 80 OF 98**  
**DRAWING NO. XS-24**  
**DATE: 04/05/2005**

**SCALE:**  
 HORIZ 1" = 5'  
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 Schaumburg, IL 60193-7806

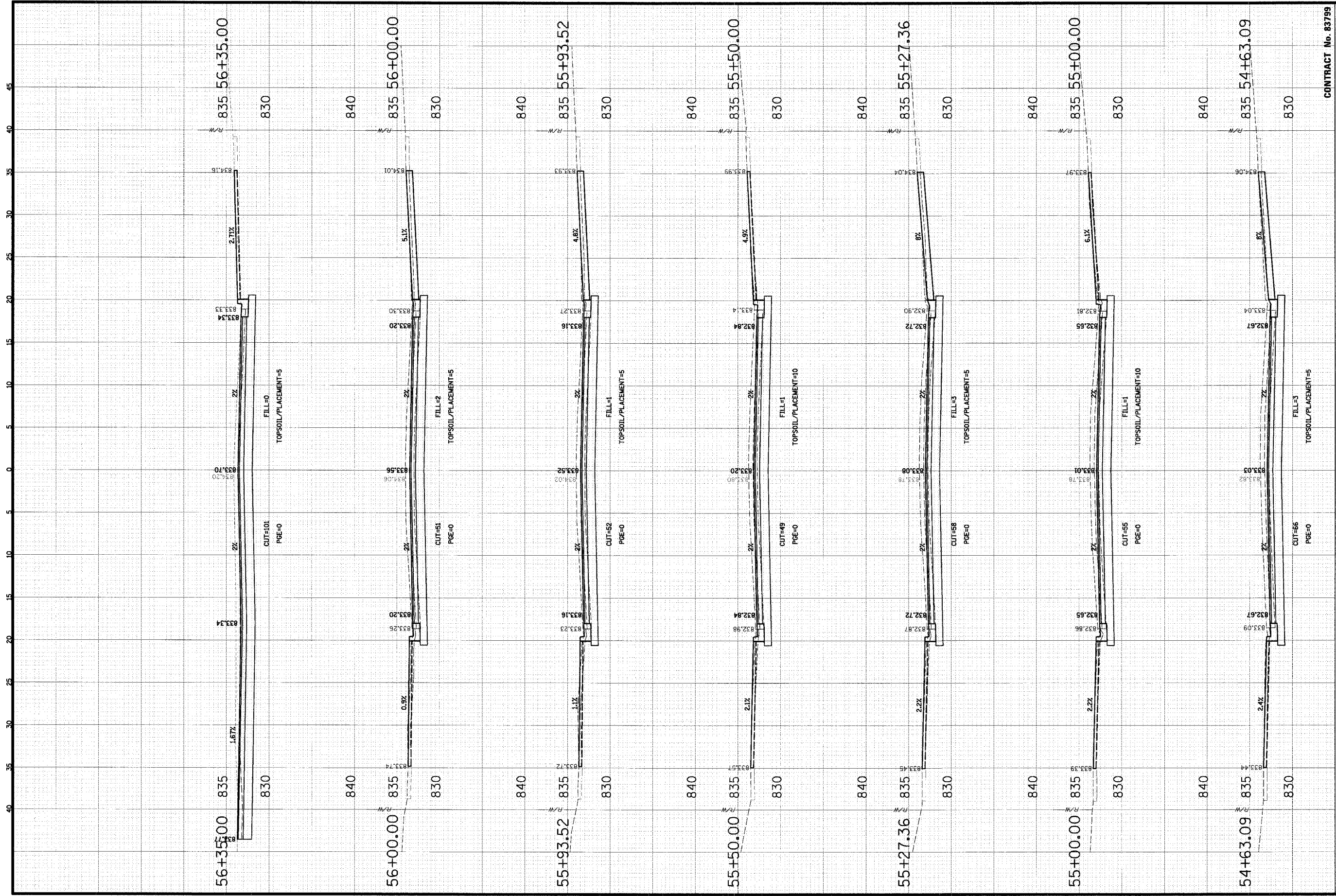
**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CONTRACT No. 83799

NO.	DATE	BY	CHKD.	NATURE OF REVISION
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PROJECT NO. 01-434  
 SHEET 82 OF 98  
 DRAWING NO. XS-26  
 DATE 01/05/2005

FILE NAME: N:\SCHAUMBURG\01-434\DESIGN\WALNUT.LAY



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**CLIENT:**

NO.	DATE	NATURE OF REVISION	CHKD.

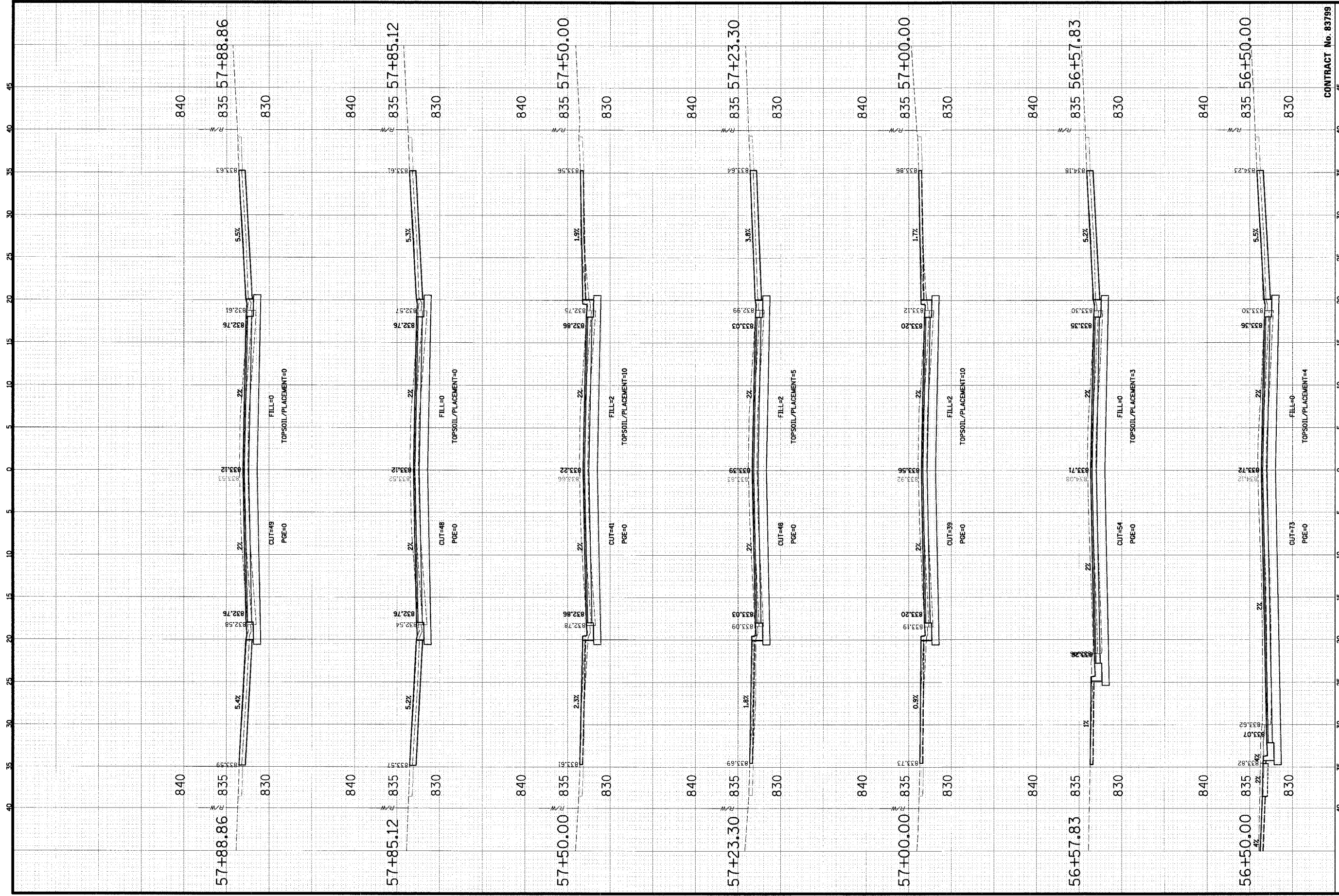
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 WALNUT LANE  
 C-91-108-04

NO.	DATE	DESIGN	CHKD.

PROJECT NO. 01-434  
 SHEET 83 OF 98  
 DRAWING NO. XS-27  
 DATE: 04/05/2005

CONTRACT No. 83799





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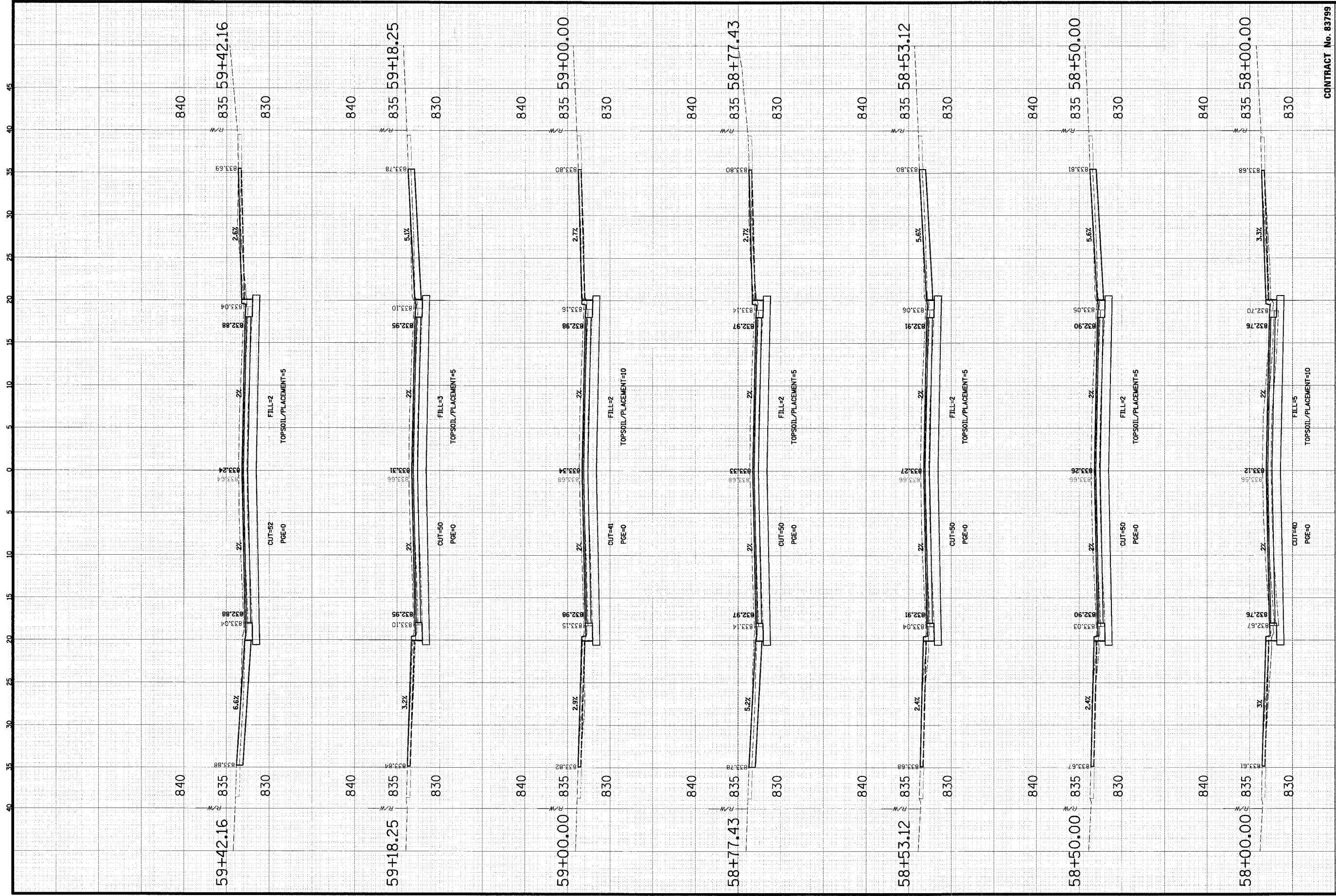
**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CLIENT: VILLAGE OF SCHAUMBURG  
 CONTRACT No. 83799

NO.	DATE	NATURE OF REVISION
1	05/05/2005	INITIAL DESIGN

PROJECT NO. 01-434  
 SHEET B4 OF 98  
 DRAWING NO. XS-28  
 DATE: 04/05/2005



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 Engineering Department  
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 Schaumburg, IL 60193-7806

**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

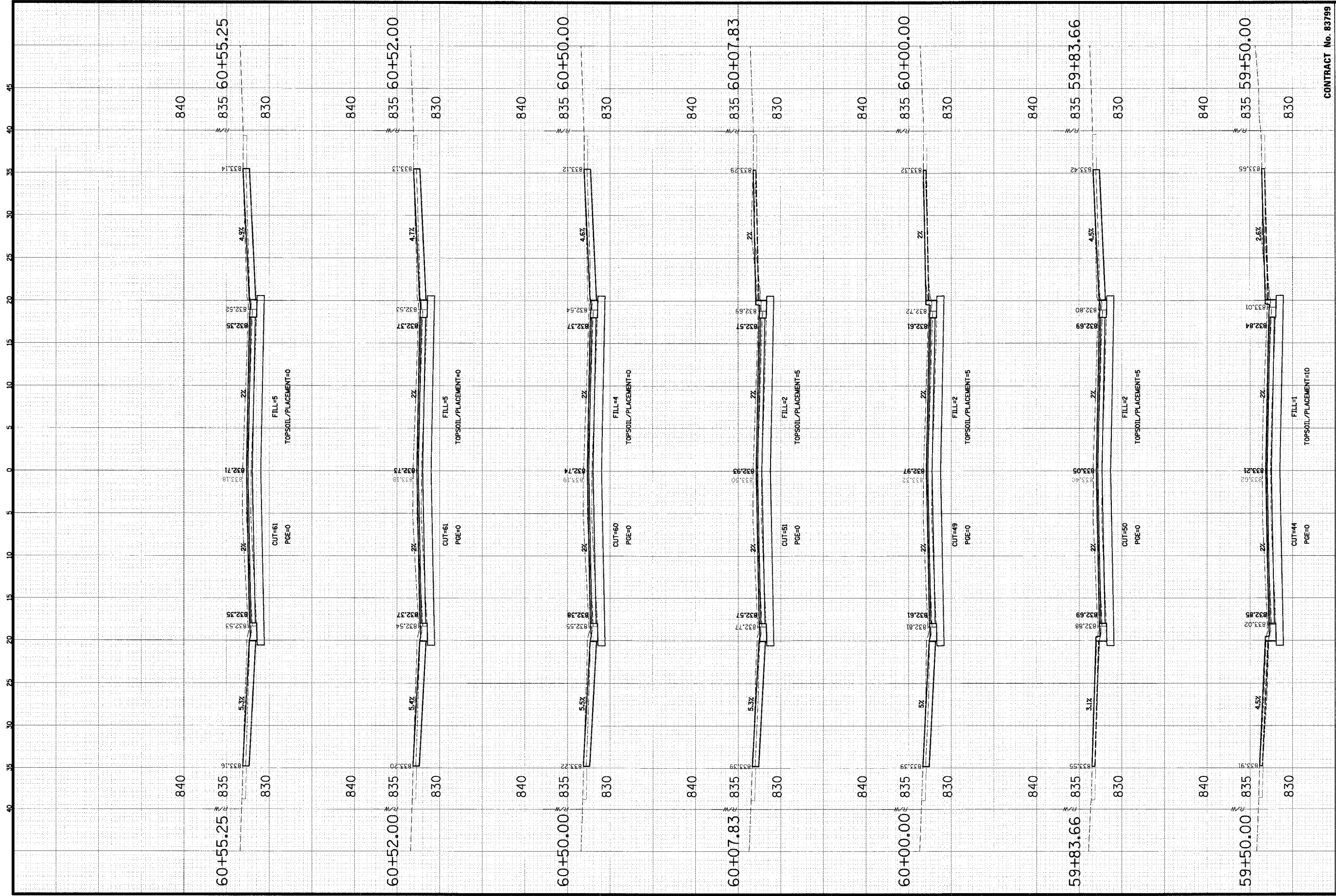
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NO.	DATE	NATURE OF REVISION

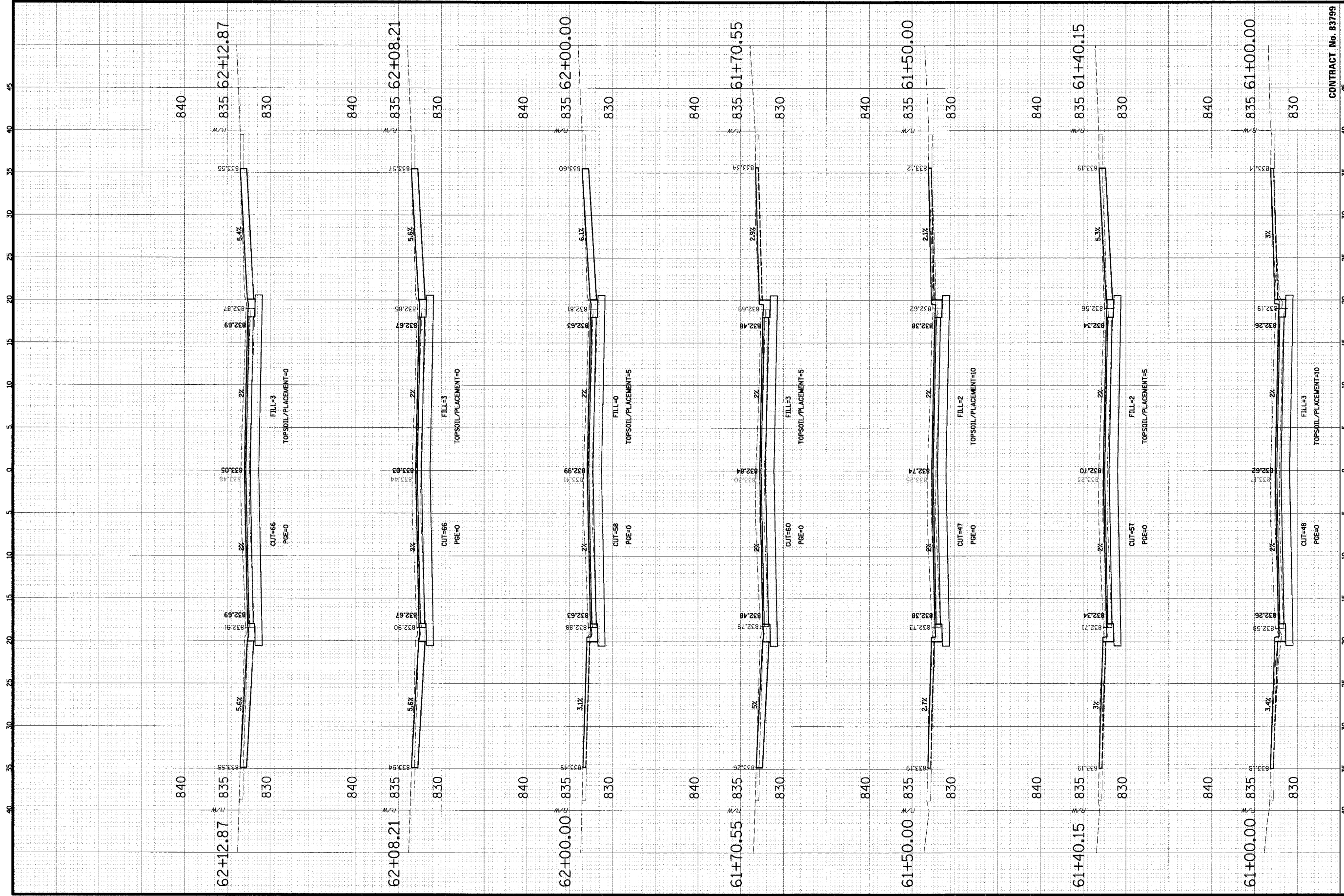
PROJECT NO. 01-434  
 SHEET 85 OF 98  
 DRAWING NO. XS-29  
 DATE 04/05/2005



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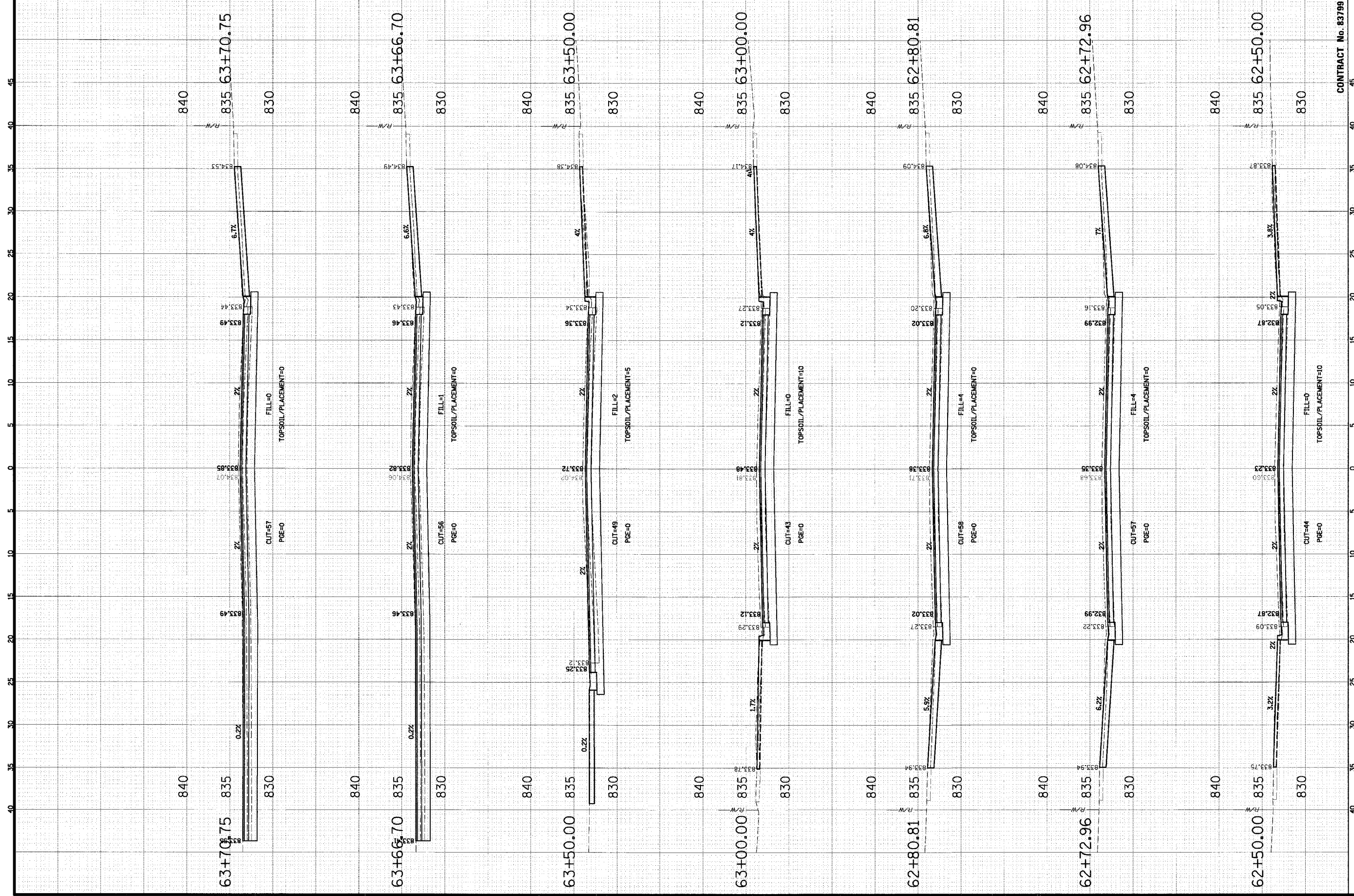
SCALE: HORIZ 1" = 5'  
 VERT 1" = 5'



 <b>CHRISTOPHER B. BURKE</b> ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	<b>CLIENT</b>  <b>VILLAGE OF SCHAUMBURG</b> Engineering Department 101 Schaumburg Court Schaumburg, IL 60193-7806	<b>FILE NAME:</b> IN:\SCHAUMBURG\01-034\DESIGN\VALWAY	<b>SCALE:</b> HORIZ 1" = 5' VERT 1" = 5'	<b>NO.</b> DSN. 01 DWN. 01 CHD. 01	<b>DATE</b> 05/05/2005	<b>TITLE</b> <b>CROSS SECTIONS</b> <b>WALNUT LANE</b> <b>C-91-108-04</b>	<b>NATURE OF REVISION</b> CHD.	<b>PROJECT NO.</b> 01-434
				<b>SHEET</b> 86 <b>OF</b> 98 <b>DRAWING NO.</b> <b>XS-30</b>	<b>CONTRACT No.</b> 83799			



 <b>CHRISTOPHER B. BURKE</b> ENGINEERING LTD. 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500	CLIENT:	 <b>VILLAGE OF SCHAUMBURG</b> Engineering Department 101 Schaumburg Court Schaumburg, IL 60193-7806	NO. DATE DSJN GS DRN. GS CHD. JGS	TITLE: <b>CROSS SECTIONS          WALNUT LANE          C-91-108-04</b>	NATURE OF REVISION CHD.	PROJECT NO. 01-434
	CONTRACT No. 83799	SCALE: HORIZ 1" = 5' VERT 1" = 5'	DRAWING NO. XS-31	SHEET 87 OF 98	PROJECT NO. 01-434	



CONTRACT No. 83799

PROJECT NO.	01-434
SHEET	88 OF 98
DRAWING NO.	XS-32

TITLE : **CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

NO.	DATE	NATURE OF REVISION
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DRAWN	CS	
CHECKED	JCS	
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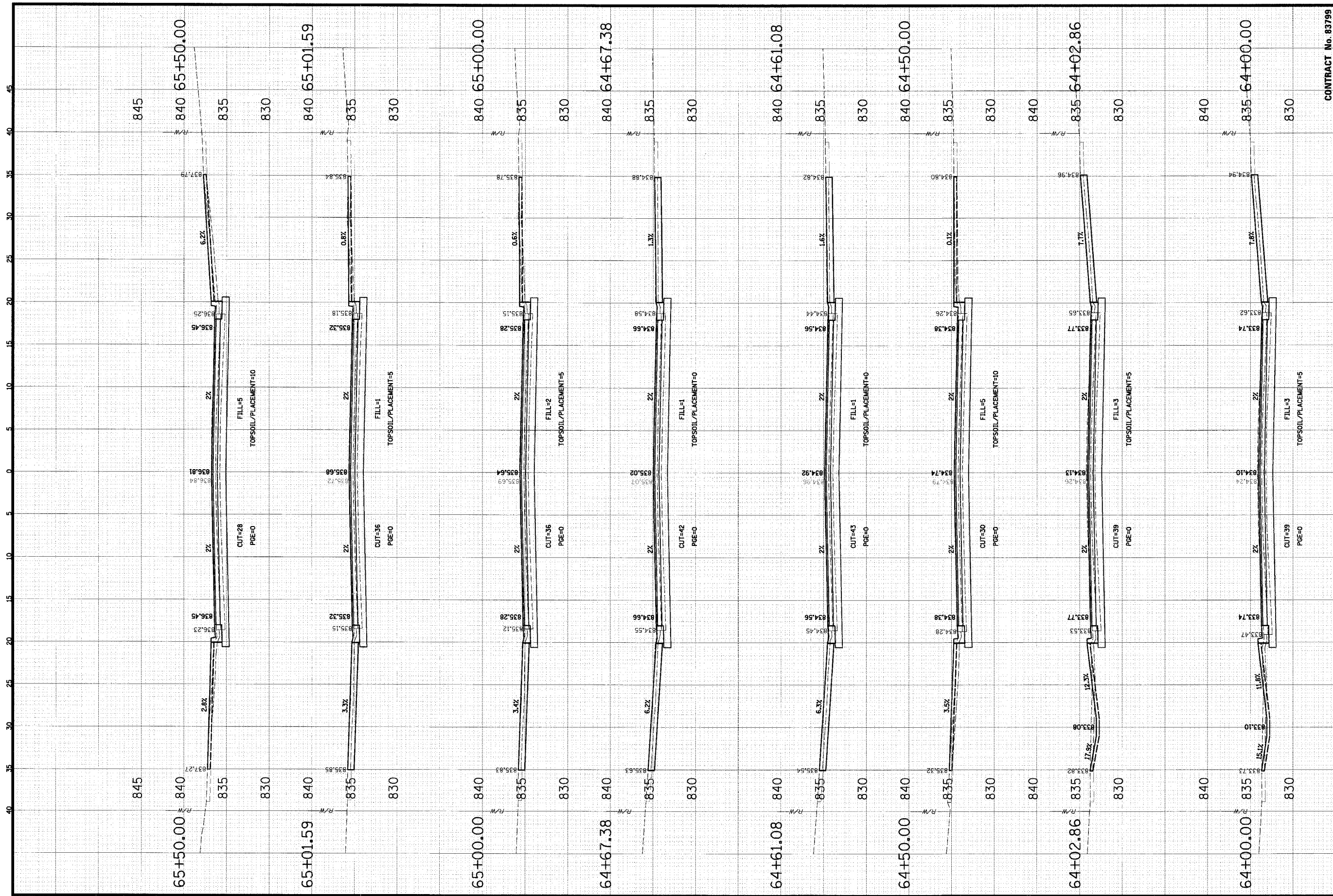
CLIENT : **VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

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FILE NAME : I:\SCHAUMBURG\01-434\DESIGN\WALNUT  
 DATE: 04/05/2005





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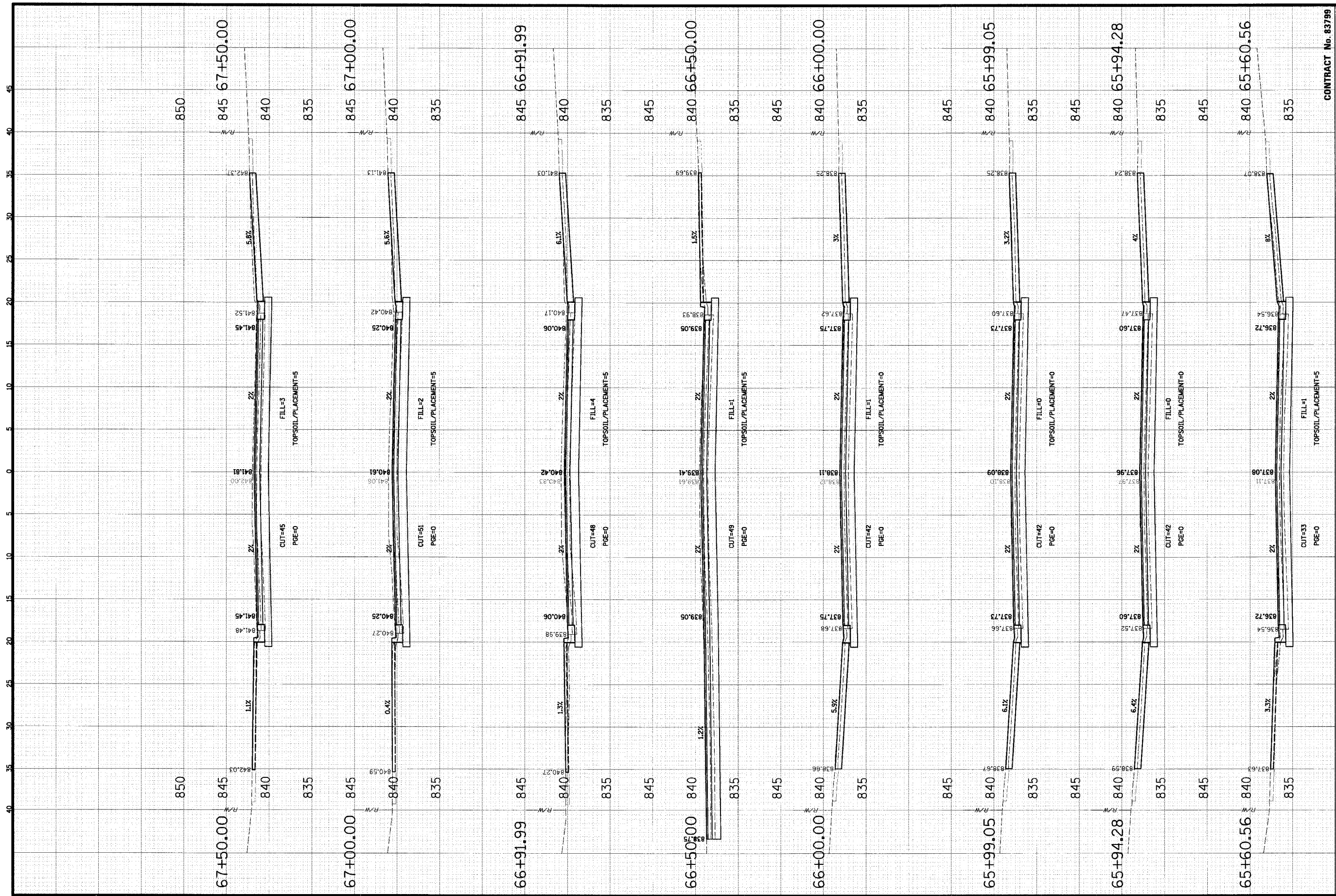
**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CLIENT: VILLAGE OF SCHAUMBURG  
 CONTRACT No. 83799

NO.	DATE	TITLE	NATURE OF REVISION	CHKD.
DSGN.	GS	GS		
DRAWN.	CHKD.	JCS		

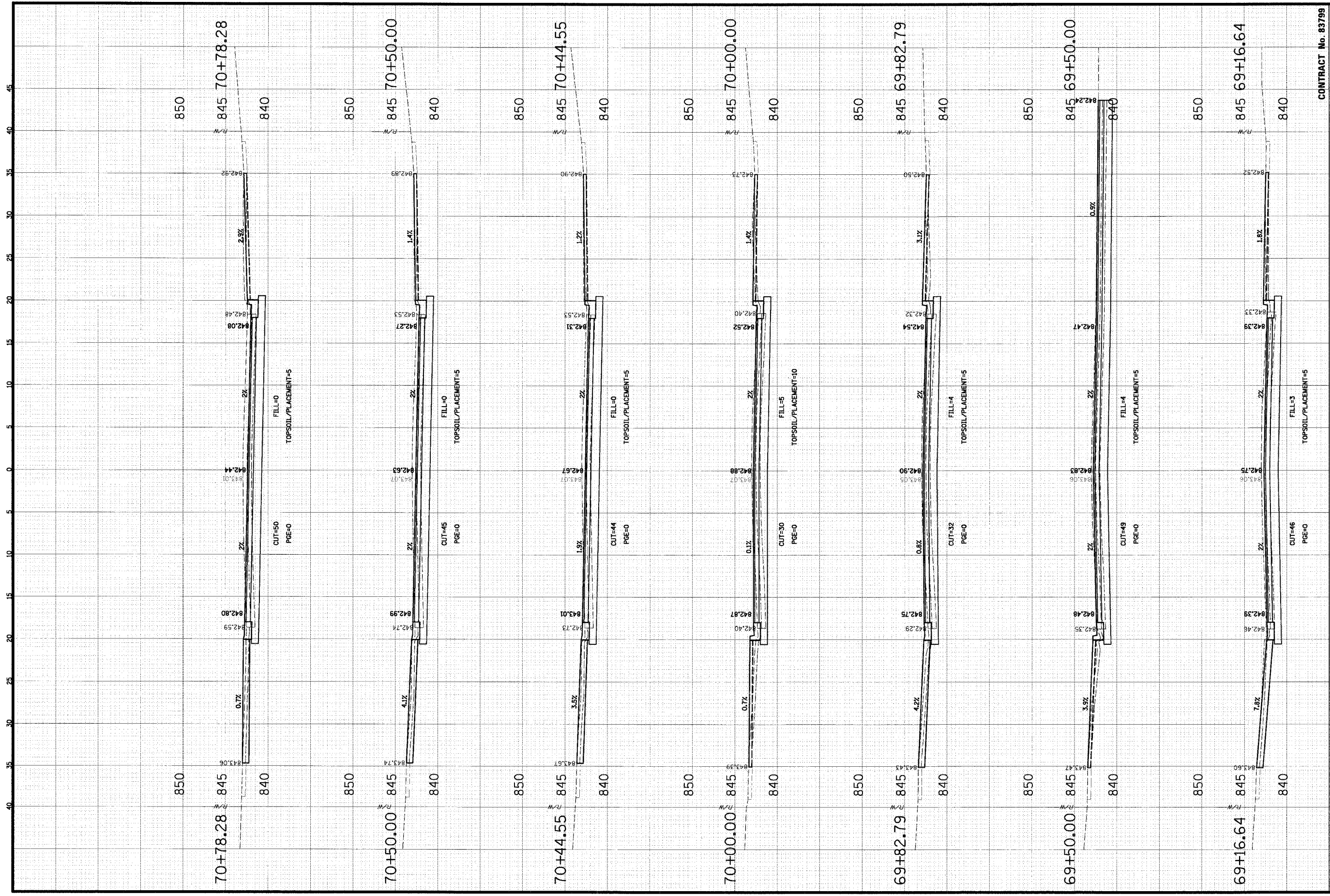
PROJECT NO. 01-434  
 SHEET 89 OF 98  
 DRAWING NO. XS-33  
 DATE: 04/05/2005

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 SCALE: HORIZ 1" = 5'  
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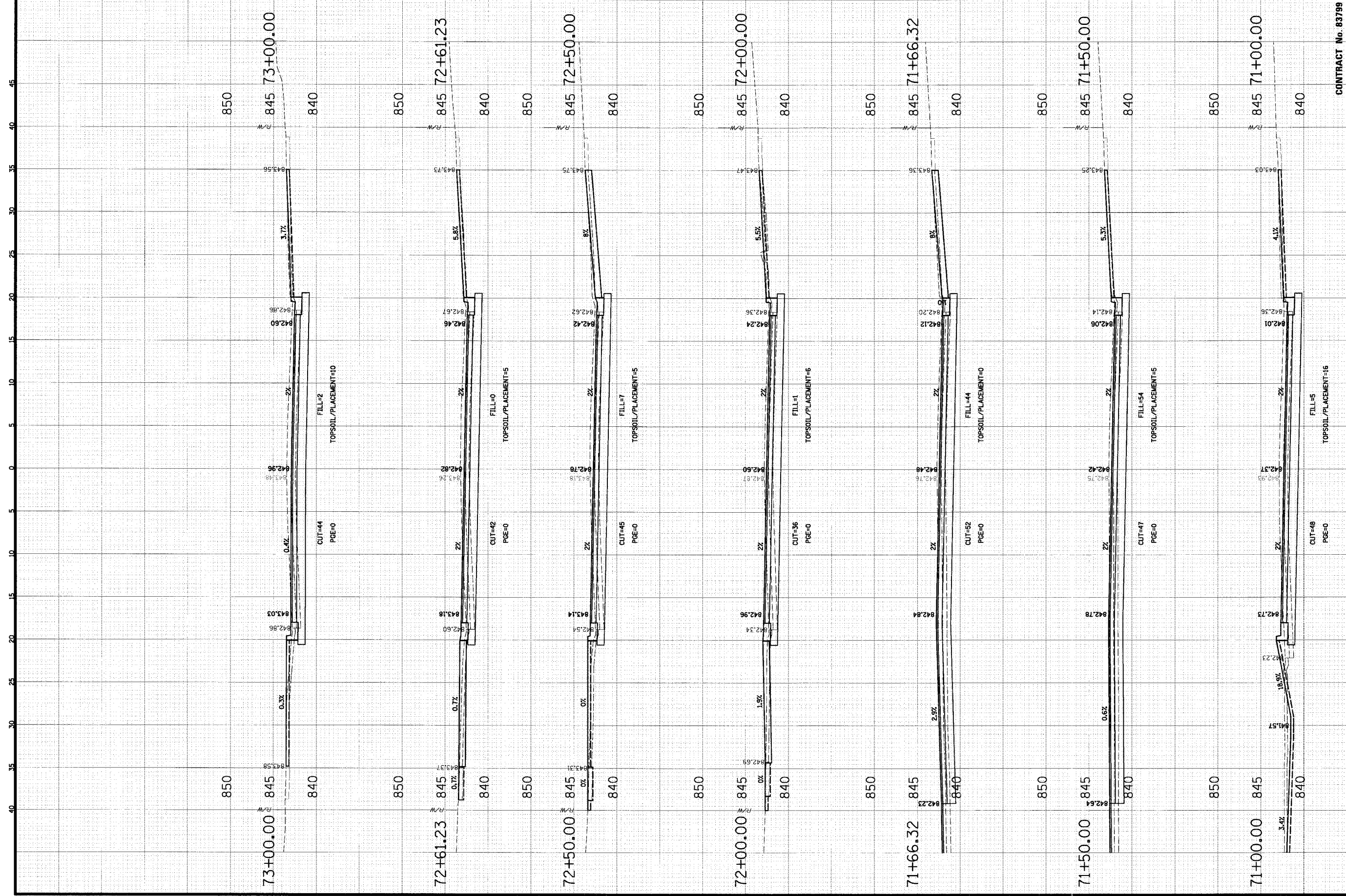



<b>CHRYSTOPHER B. BURKE ENGINEERING LTD.</b> 9575 West Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500		<b>VILLAGE OF SCHAUMBURG</b> Engineering Department 101 Schaumburg Court Schaumburg, IL 60193-7806		<b>CROSS SECTIONS</b> <b>WALNUT LANE</b> <b>C-91-108-04</b>		PROJECT NO. 01-434	
				TITLE 1		SHEET 90 OF 98	
CLIENT:		CLIENT:		MATURE OF REVISION		DRAWING NO. XS-34	
NO. DATE		NO. DATE		NO. DATE		DATE	
DSGN. DWG. CHKD. JES		DSGN. DWG. CHKD. JES		DSGN. DWG. CHKD. JES		NO. DATE	
SCALE: HORIZ 1" = 5'		SCALE: HORIZ 1" = 5'		SCALE: HORIZ 1" = 5'		NO. DATE	
VERT 1" = 5'		VERT 1" = 5'		VERT 1" = 5'		NO. DATE	
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CONTRACT No. 83799		CONTRACT No. 83799		CONTRACT No. 83799		CONTRACT No. 83799	

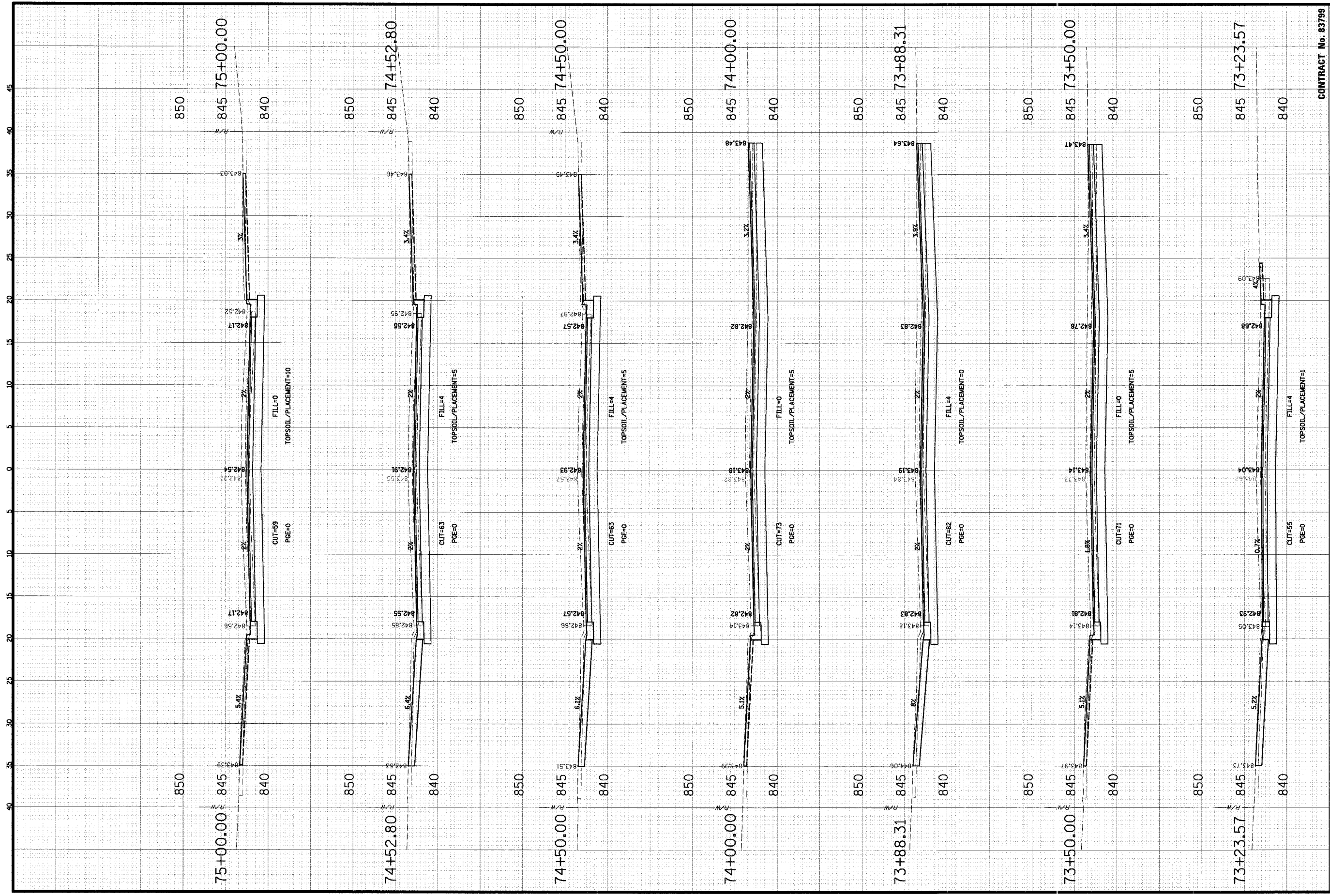




<b>CH</b>		<b>CB</b>	
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<b>CONTRACT No. 83799</b>		<b>FILE NAME:</b> N:\SCHAUMBURG\01-434\DESIGN\WALNUT	
<b>NO.</b>	<b>DATE</b>	<b>NO.</b>	<b>DATE</b>
<b>DESIGN</b>	<b>GS</b>	<b>DESIGN</b>	<b>GS</b>
<b>DRAWN</b>	<b>GS</b>	<b>DRAWN</b>	<b>GS</b>
<b>CHKD.</b>	<b>JOS</b>	<b>CHKD.</b>	<b>JOS</b>
<b>SCALE:</b> HORIZ 1" = 5' VERT 1" = 5'		<b>SCALE:</b> HORIZ 1" = 5' VERT 1" = 5'	
<b>TITLE:</b> CROSS SECTIONS WALNUT LANE C-91-108-04		<b>TITLE:</b> CROSS SECTIONS WALNUT LANE C-91-108-04	
<b>MATURE OF REVISION</b>		<b>MATURE OF REVISION</b>	
<b>CHRD.</b>	<b>CHRD.</b>	<b>CHRD.</b>	<b>CHRD.</b>
<b>PROJECT NO.</b> 01-434	<b>PROJECT NO.</b> 01-434	<b>SHEET</b> 92	<b>SHEET</b> 92
<b>DRAWING NO.</b> XS-36	<b>DRAWING NO.</b> XS-36	<b>OF</b> 98	<b>OF</b> 98
<b>DATE</b> 04/05/2005		<b>DATE</b> 04/05/2005	



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			SCALE: HORIZ 1" = 5' VERT 1" = 5'				



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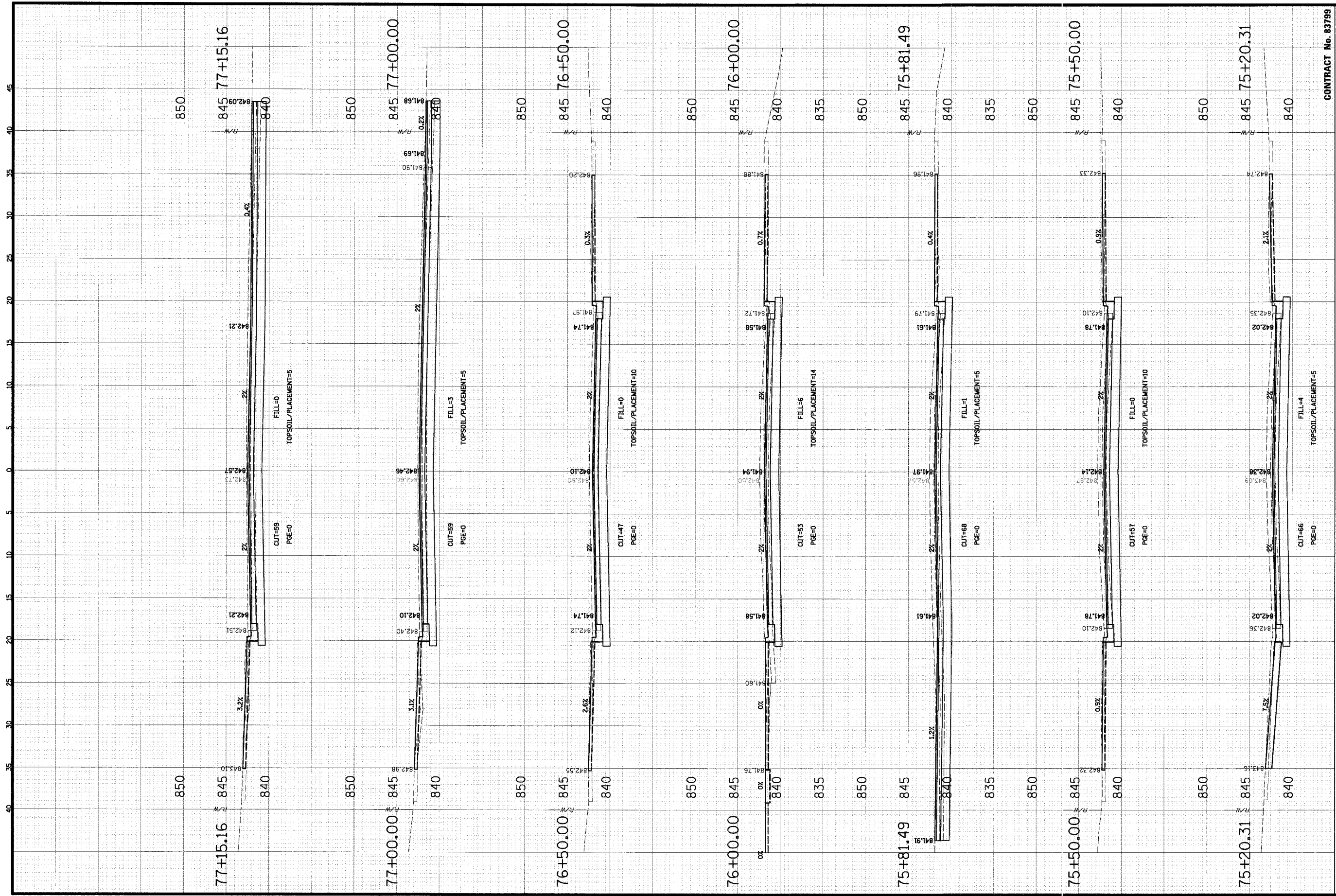
**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CONTRACT No. 83799

NO.	DATE	BY	CHKD.	SCALE
1	05/05/2005	CS	CS	HORIZ 1" = 5'
2		CS	CS	VERT 1" = 5'

PROJECT NO. 01-434  
 SHEET 94 OF 98  
 DRAWING NO. XS-38  
 DATE 04/05/2005



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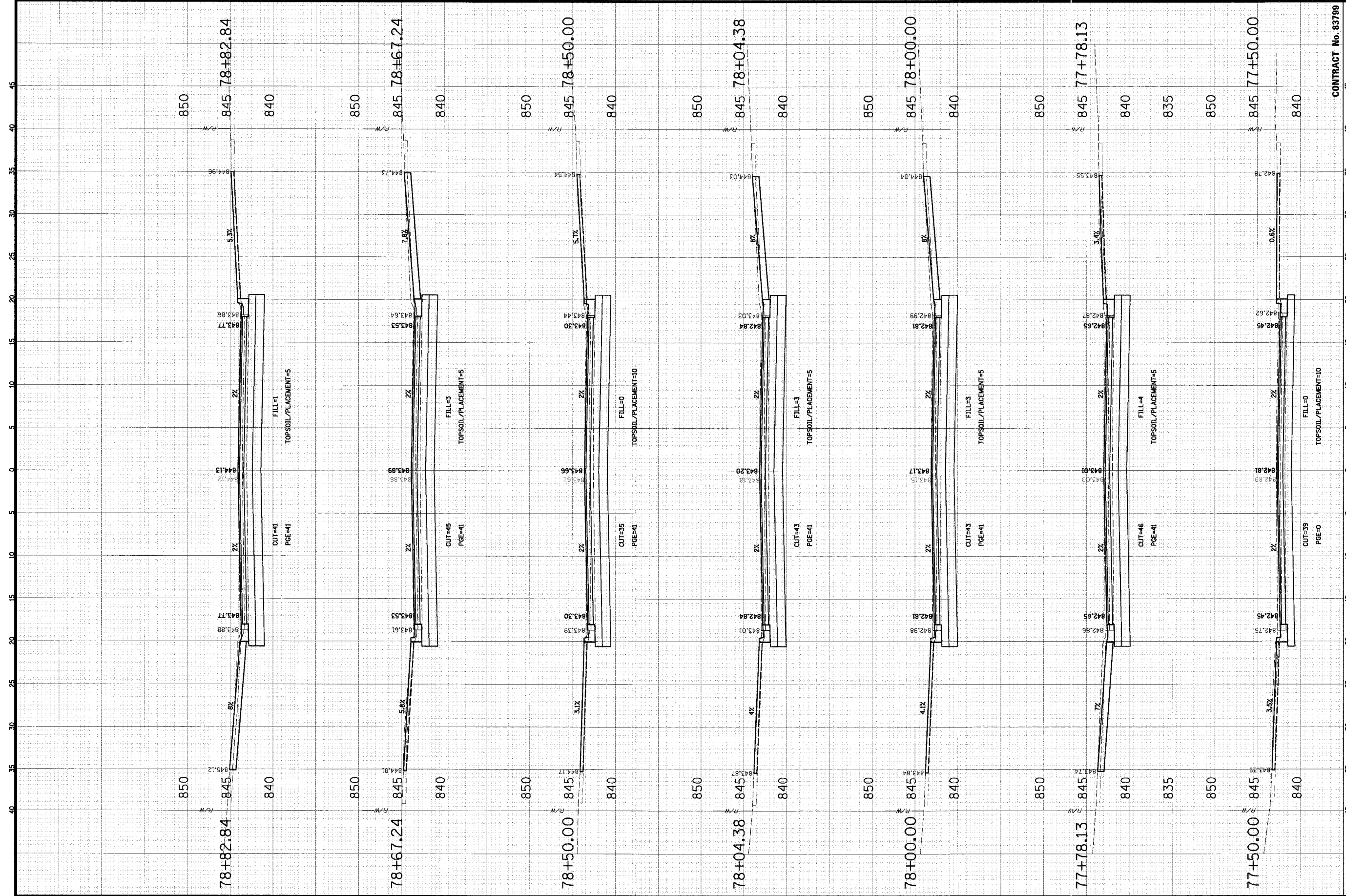
**VILLAGE OF SCHAUMBURG**  
 Engineering Department  
 101 Schaumburg Court  
 Schaumburg, IL 60193-7806

**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

CONTRACT No. 83799

NO.	DATE	BY	CHKD.	MATURE OF REVISION
1	01/15/04	GS	GS	
2	01/22/04	GS	GS	
3	02/02/04	GS	GS	
4	02/02/04	GS	GS	
5	02/02/04	GS	GS	
6	02/02/04	GS	GS	
7	02/02/04	GS	GS	
8	02/02/04	GS	GS	
9	02/02/04	GS	GS	
10	02/02/04	GS	GS	
11	02/02/04	GS	GS	
12	02/02/04	GS	GS	
13	02/02/04	GS	GS	
14	02/02/04	GS	GS	
15	02/02/04	GS	GS	
16	02/02/04	GS	GS	
17	02/02/04	GS	GS	
18	02/02/04	GS	GS	
19	02/02/04	GS	GS	
20	02/02/04	GS	GS	
21	02/02/04	GS	GS	
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23	02/02/04	GS	GS	
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25	02/02/04	GS	GS	
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27	02/02/04	GS	GS	
28	02/02/04	GS	GS	
29	02/02/04	GS	GS	
30	02/02/04	GS	GS	
31	02/02/04	GS	GS	
32	02/02/04	GS	GS	
33	02/02/04	GS	GS	
34	02/02/04	GS	GS	
35	02/02/04	GS	GS	
36	02/02/04	GS	GS	
37	02/02/04	GS	GS	
38	02/02/04	GS	GS	
39	02/02/04	GS	GS	
40	02/02/04	GS	GS	
41	02/02/04	GS	GS	
42	02/02/04	GS	GS	
43	02/02/04	GS	GS	
44	02/02/04	GS	GS	
45	02/02/04	GS	GS	

PROJECT NO. 01-434  
 SHEET 95 OF 98  
 DRAWING NO. XS-39  
 DATE 04/05/2005



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**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

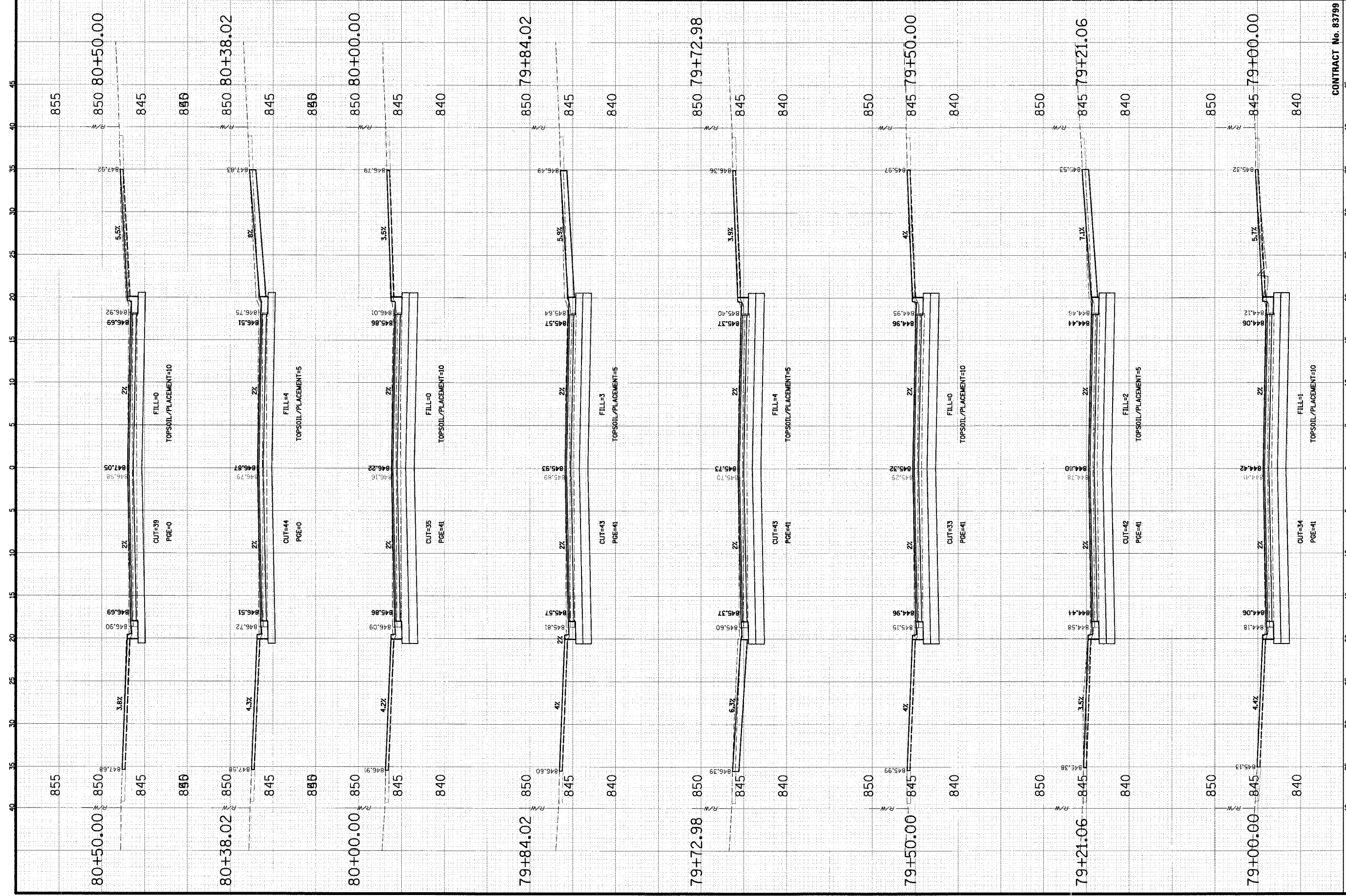
CONTRACT No. 83799

NO.	DATE	NATURE OF REVISION	CHKD.
1	01-13-98	PROJECT NO. 01-434	
2	03-10-98	SHEET 96 OF 98	
3	03-10-98	DRAWING NO.	
4	03-10-98		

SCALE: HORIZ 1" = 5'  
 VERT 1" = 5'

FILE NAME: W:\SCHAUMBURG\01-434\DESIGN\VALNUT.LAY DATE: 04/05/2005





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 Schaumburg, IL 60193-7806

**CLIENT:**

**CONTRACT No. 83799**

**TITLE 1**  
**CROSS SECTIONS**  
**WALNUT LANE**  
**C-91-108-04**

NO.	DATE	NATURE OF REVISION	CHKD.
DESIGN	05		
DRAWN	05		
CHKD.	JOS		

PROJECT NO. 01-434  
 SHEET 97 OF 98  
 DRAWING NO. XS-41  
 DATE 04/05/2005

FILE NAME: I:\SCHAUMBURG\01-434\DESIGN\WALNUT

SCALE:  
 HORZ 1" = 5'  
 VERT 1" = 5'

