

INDEX OF SHEETS AND STANDARDS

SHEET NO.	TITLE
1.	COVER SHEET, INDEX TO SHEETS, AND HIGHWAY STANDARDS
2.	LEGEND, ABBREVIATIONS AND HIGHWAY STANDARDS
3.	GENERAL NOTES
4.-5.	SUMMARY OF QUANTITIES
6.-8.	SCHEDULE OF MATERIALS
9.	STRUCTURAL DESIGN DATA AND TYPICAL SECTIONS
10.-11.	ALIGNMENT AND TIES AND BENCHMARKS
12.	MAINTENANCE OF TRAFFIC PLAN - STAGE I
13.	MAINTENANCE OF TRAFFIC PLAN - STAGE II
14.	MAINTENANCE OF TRAFFIC PLAN - STAGE III
15.-21.	GEOMETRIC PLAN: U.S. ROUTE 52
22.-24.	GEOMETRIC PLAN: RIVER ROAD
25.-31.	DRAINAGE AND UTILITY PLAN: U.S. ROUTE 52
32.-34.	DRAINAGE AND UTILITY PLAN: RIVER ROAD
35.	TEMPORARY EROSION CONTROL PLAN: U.S. ROUTE 52
36.	TEMPORARY EROSION CONTROL PLAN: RIVER ROAD
37.	PAVEMENT MARKING AND LANDSCAPING PLAN: U.S. ROUTE 52
38.	PAVEMENT MARKING AND LANDSCAPING PLAN: RIVER ROAD AND RAVEN ROAD
39.-42.	DISTRICT 1 STANDARD TRAFFIC DESIGN DETAILS
43.	EXISTING FLASHING BEACON INSTALLATION REMOVAL AND TEMPORARY FLASHING BEACON INSTALLATION PLAN
44.	TRAFFIC SIGNAL INSTALLATION PLAN: U.S. ROUTE 52 AT RIVER ROAD
45.	TRAFFIC SIGNAL CABLE PLAN AND PHASE DESIGNATION DIAGRAM: U.S. ROUTE 52 AT RIVER ROAD
46.	INTERCONNECT PLAN: U.S. ROUTE 52 FROM RIVER ROAD TO BROOKSHORE DRIVE
47.	INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES: U.S. ROUTE 52 FROM RIVER ROAD TO I-55 EAST FRONTAGE ROAD
48.	MAST ARM MOUNTED STREET NAME SIGNS
49.	LIGHTING PLAN: ONE-LINE DIAGRAM
50.-52.	LIGHTING PLAN: U.S. ROUTE 52
53.	LIGHTING PLAN: RIVER ROAD
54.-55.	LIGHTING DETAILS
56.	HAMMEL CREEK - BOX CULVERT PLAN
57.	HAMMEL CREEK - BOX CULVERT SECTIONS
58.	HAMMEL CREEK - BOX CULVERT DETAILS
59.	U.S. ROUTE 52 - BOX CULVERT PLAN AND DETAILS
60.	U.S. ROUTE 52 - BOX CULVERT SECTION
61.	RIVER ROAD - BOX CULVERT PLAN AND DETAILS
62.	RIVER ROAD - BOX CULVERT SECTIONS
63.	U.S. ROUTE 52 & RIVER ROAD - BOX CULVERT DETAILS
64.	DISTRICT 1 BUTT JOINT AND BITUMINOUS TAPER DETAILS
65.	DISTRICT 1 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
66.	DISTRICT 1 PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT
67.	DISTRICT 1 DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB/EDGE OF SHOULDER
68.	DISTRICT 1 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW FLOW RESISTANT)
69.	DISTRICT 1 TYPICAL PAVEMENT MARKING DETAILS
70.	DISTRICT 1 TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
71.	DISTRICT 1 SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
72.	DISTRICT 1 TEMPORARY INFORMATION SIGNING
73.	DISTRICT 1 BENCHING DETAIL FOR ENMBANKMENT WIDENING
74.	DISTRICT 1 MANHOLE WITH RESTRICTOR PLATE
75.-82.	CROSS SECTIONS: U.S. ROUTE 52
83.-85.	CROSS SECTIONS: RIVER ROAD

STANDARD NO. HIGHWAY STANDARDS
SEE SHT. NO. 2 FOR STANDARDS

TRAFFIC DATA
U.S. ROUTE 52
POSTED OR DESIGN SPEED = 40 MPH
2015 ADT = 12,000

RIVER ROAD
POSTED OR DESIGN SPEED = 40 MPH
2015 ADT = 7,000

DESIGN DESIGNATION
U.S. ROUTE 52: 12,000 (22) ARTERIAL 3.83 (B=20)
RIVER ROAD: 7,000 (22) COLLECTOR 0.71 (B=20)

1" = 100'
1" = 10'

1" = 50'

1" = 40'

1" = 30'

1" = 20'

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

CONTRACT NO. 83786

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
F.A.P. ROUTE 0607 (U.S. ROUTE 52)(JEFFERSON STREET)
F.A.U. ROUTE 0356 (RIVER ROAD) TO FAU ROUTE 0375 (RAVEN ROAD)**
PROJECT NO.: F-0607 (070)
SECTION NO.: 01-00014-00-FP
JOB NO.: C-91-371-01
**ROADWAY WIDENING, RESURFACING, AND TRAFFIC SIGNALS
VILLAGE OF SHOREWOOD, ILLINOIS
WILL COUNTY**

PROJECT LIMITS
LOCATION: U.S. ROUTE 52
BEGIN CONSTRUCTION
STA. 19+14



R. 9. E.

PROJECT LIMITS
LOCATION: RIVER ROAD
BEGIN CONSTRUCTION
STA. 50+45

STA. 55+00.21 RIVER ROAD
STA. 24+92.09 U.S. ROUTE 52



PROJECT LIMITS
LOCATION: RIVER ROAD
END CONSTRUCTION
STA. 58+22

PROJECT LIMITS
LOCATION: U.S. ROUTE 52
END CONSTRUCTION
STA. 51+50

GROSS LENGTH OF IMPROVEMENT = 4,013 LIN. FT. OR 0.76 MILES
NET LENGTH OF IMPROVEMENT = 4,013 LIN. FT. OR 0.76 MILES



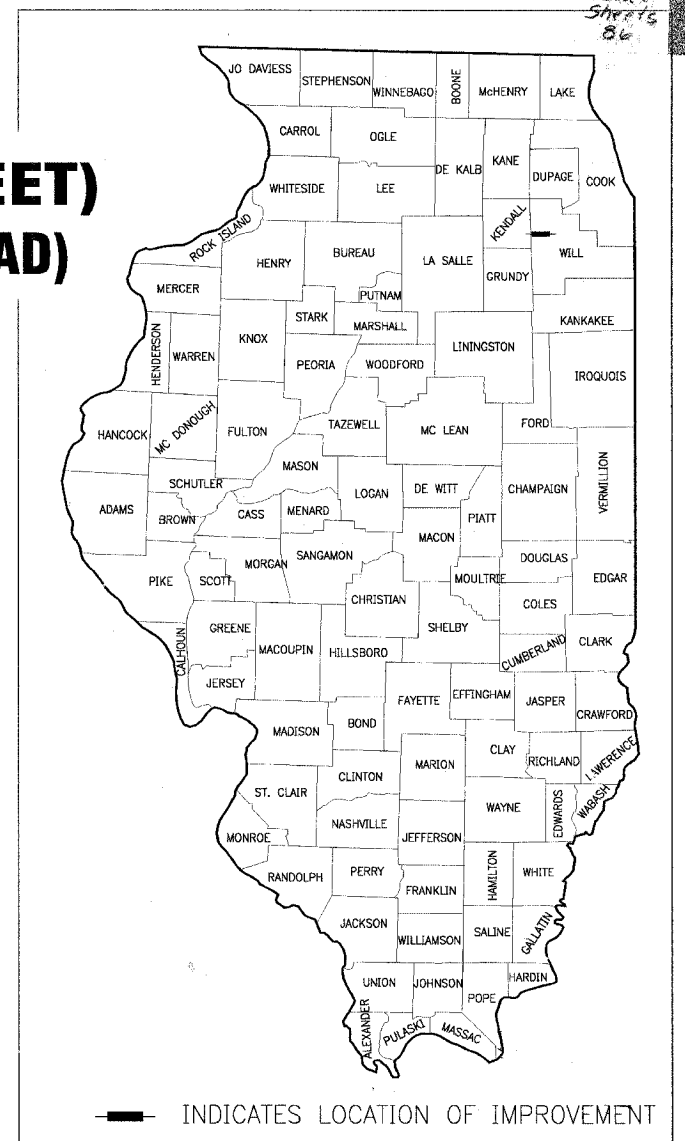
Baxter & Woodman

CALL JULIE 1-800-892-0123
48 HOURS BEFORE YOU DIG
EXCLUDING SAT., SUN. & HOLIDAYS

Burlington, Wisconsin 262.763.7834 Crystal Lake, Illinois 815.459.1260 DeKalb, Illinois 815.787.3111 Mokena, Illinois 708.478.2090 Grayslake, Illinois 847.223.5088 Rockford, Illinois 815.489.1551

(OFFICE WHICH PREPARED PLANS)

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85/1	1
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT	F-0607 (070)	
CONTRACT NO.: 83786				



LOUIS D. HAUSMAN
62-054496
REGISTERED PROFESSIONAL ENGINEER
OF ILLINOIS
12/27/04

PROJECT MANAGER
"LICENSE EXPIRES 11-30-05"

MIKE W. H. ...
081-003738
LICENSED STRUCTURAL ENGINEER
OF ILLINOIS

STRUCTURAL ENGINEER
"LICENSE EXPIRES 11-30-2006"

BAXTER & WOODMAN, INC.
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. - 184-001121 - EXPIRES 4/30/2005

DATE: 12-21-04

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED _____ 20 04
LOCAL AGENCY REPRESENTATIVE

APPROVED _____ 20 05
LOCAL ROADS ENGINEER

APPROVED _____ 20 05
DISTRICT ENGINEER

SCHAUMBURG, IL. 708-705-4406 CHAD RIDDLE, P.E. I.D.O.T. FEDERAL AID DESIGN ENGINEER

108520-RDWG 10/20/04 11:57 BY:DEK
COPYRIGHT © 2004 BY BAXTER & WOODMAN, INC.
ALL RIGHTS RESERVED. NO PART OF THESE DRAWINGS
MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM
WITHOUT PERMISSION OF BAXTER & WOODMAN, INC.

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85+1	2
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED AID PROJECT CMF-0607 (070)	

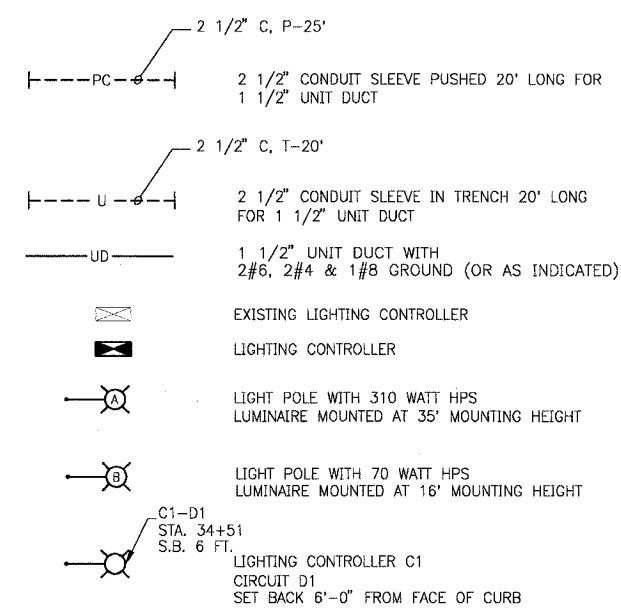
CONTRACT NO. 83786

LEGEND

EXISTING	PROPOSED
SA — SA — SANITARY SEWER OR SERVICE	SA — SA — SANITARY SEWER OR SERVICE
ST — ST — STORM SEWER OR SERVICE	ST — ST — STORM SEWER OR SERVICE
— W — PIPE UNDERDRAIN	— UD — PIPE UNDERDRAIN
— W — WATER MAIN	— W — WATER MAIN
— WS — WATER SERVICE	— WS — WATER SERVICE
— FM — FORCE MAIN	— FM — FORCE MAIN
⊙ MANHOLE	⊙ MANHOLE
○ CATCH BASIN	○ CATCH BASIN
□ INLET	□ INLET
□ DRYWELL	□ DRYWELL
▽ FLARED END SECTION	▽ FLARED END SECTION
⊕ FIRE HYDRANT	⊕ FIRE HYDRANT
⊙ WV WATER VALVE W/ BOX AND COVER	⊙ WV WATER VALVE W/ BOX AND COVER
⊙ WV WATER VALVE VAULT	⊙ WV WATER VALVE VAULT
⊙ BB WATER SERVICE BOX OR CURB STOP	⊙ BB WATER SERVICE BOX OR CURB STOP
⊙ WM WATER METER	⊙ WM WATER METER
⊙ CO CLEAN OUT	⊙ CO CLEAN OUT
⊙ SV SEPTIC VENT	⊙ SV SEPTIC VENT
— TO BE ABANDONED AND/OR REMOVED	— TO BE ABANDONED AND/OR REMOVED
— GAS LINE	— GAS LINE
⊙ GV GAS VALVE W/ BOX AND COVER	⊙ GV GAS VALVE W/ BOX AND COVER
□ CW GAS VALVE VAULT	□ CW GAS VALVE VAULT
⊙ GM GAS METER	⊙ GM GAS METER
⊙ GR GAS RISER	⊙ GR GAS RISER
⊙ GAS GAS SERVICE VALVE	⊙ GAS GAS SERVICE VALVE
— T TELEPHONE CABLE	— T TELEPHONE CABLE
— TD TELEPHONE DUCT	— TD TELEPHONE DUCT
□ TEL TELEPHONE VAULT	□ TEL TELEPHONE VAULT
⊕ TR TELEPHONE RISER	⊕ TR TELEPHONE RISER
— TV CABLE TELEVISION (BURIED)	— TV CABLE TELEVISION (BURIED)
⊕ CTV CABLE T.V. RISER	⊕ CTV CABLE T.V. RISER
□ CTV CABLE T.V. VAULT	□ CTV CABLE T.V. VAULT
— E UNDERGROUND ELECTRICAL	— E UNDERGROUND ELECTRICAL
⊕ EM ELECTRIC METER	⊕ EM ELECTRIC METER
□ ET PAD MOUNTED TRANSFORMER	□ ET PAD MOUNTED TRANSFORMER
□ EV ELECTRIC VAULT	□ EV ELECTRIC VAULT
⊕ JB JUNCTION BOX	⊕ JB JUNCTION BOX
⊕ UTILITY POLE w/ GUY ANCHOR	⊕ UTILITY POLE w/ GUY ANCHOR
⊕ UTILITY POLE w/ LIGHT	⊕ UTILITY POLE w/ LIGHT
⊕ LIGHT STANDARD	⊕ LIGHT STANDARD
⊕ MB MAIL BOX	⊕ MB MAIL BOX
⊕ STREET SIGN	⊕ STREET SIGN
⊕ RAILROAD SIGNAL	⊕ RAILROAD SIGNAL
⊕ TRAFFIC SIGNAL CONTROLLER	⊕ TRAFFIC SIGNAL CONTROLLER
⊕ TRAFFIC SIGNAL POST w/ SIGNAL HEAD	⊕ TRAFFIC SIGNAL POST w/ SIGNAL HEAD
⊕ HANDHOLE	⊕ HANDHOLE
⊕ 12" DECIDUOUS TREE (W/ TRUNK INCH DIA.)	⊕ 12" DECIDUOUS TREE (W/ TRUNK INCH DIA.)
⊕ 16" CONIFEROUS TREE (W/ HEIGHT)	⊕ 16" CONIFEROUS TREE (W/ HEIGHT)
⊕ DECIDUOUS BUSH	⊕ DECIDUOUS BUSH
⊕ CONIFEROUS BUSH	⊕ CONIFEROUS BUSH
⊕ DEFINING EDGE OF BRUSH OR FORESTED AREA	⊕ DEFINING EDGE OF BRUSH OR FORESTED AREA

LEGEND

EXISTING	PROPOSED
— X — X — FENCE	— X — X — FENCE
— G — G — GUARD RAIL	— G — G — GUARD RAIL
— C — C — CULVERT (CMP UNLESS NOTED)	— C — C — CULVERT (CMP UNLESS NOTED)
— D — D — DITCH	— D — D — DITCH
— S — S — SUMMIT	— S — S — SUMMIT
— E — E — EDGE OF LAKE, RIVER, ETC.	— E — E — EDGE OF LAKE, RIVER, ETC.
— M — M — MARSH	— M — M — MARSH
— Top — Toe — TOP OR TOE OF SLOPE	— Top — Toe — TOP OR TOE OF SLOPE
— 742 — — CONTOUR	— 742 — — CONTOUR
— E — E — EASEMENT	— E — E — EASEMENT
— R.O.W. — RIGHT OF WAY (ROW)	— PROP. R.O.W. — FENCED RIGHT OF WAY (ROW)
— R.O.W. — RIGHT OF WAY MONUMENT	— R.O.W. — RIGHT OF WAY MONUMENT
— P.L. — UNFENCED PROPERTY LINE	— P.L. — UNFENCED PROPERTY LINE
— P.L. — FENCED PROPERTY LINE	— P.L. — FENCED PROPERTY LINE
• IP IRON PIPE (PROPERTY CORNER)	• IP IRON PIPE (PROPERTY CORNER)
— — CORPORATE LIMITS	— — CORPORATE LIMITS
— — BASE LINE OR SURVEY LINE	— — BASE LINE OR SURVEY LINE
— — CENTER LINE	— — CENTER LINE
625.35 (625.9) PROPOSED EL./(EXISTING EL.) (POINT, GUTTER, TOP OF CURB)	625.35 (625.9) PROPOSED EL./(EXISTING EL.) (POINT, GUTTER, TOP OF CURB)
▲ (#) SOIL BORING AND NUMBER	▲ (#) SOIL BORING AND NUMBER
⊙ B.M. BENCH MARK	⊙ B.M. BENCH MARK
⊙ CP SURVEY CONTROL POINT	⊙ CP SURVEY CONTROL POINT



STANDARD NO.	HIGHWAY STANDARDS
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
424001-03	CURB RAMPS FOR SIDEWALKS
442201-01	CLASS C AND D PATCHES
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311	GRATING FOR CONCRETE FLARED END SECTION FOR 600mm (24") THRU 1300mm (54") PIPE
602001	CATCH BASIN, TYPE A
602011	CATCH BASIN, TYPE C
602301	INLET, TYPE A
602401	MANHOLE, TYPE A
602406-01	MANHOLE, TYPE A, 1800mm (72") DIAMETER
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701	CAST IRON STEPS
604001-02	FRAME AND LIDS, TYPE 1
604036-01	GRATE, TYPE 8
604091-01	FRAME AND GRATE, TYPE 24
606001-02	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
630001-05	STEEL PLATE BEAM GUARDRAIL
631033-01	TRAFFIC BARRIER TERMINAL, TYPE 6B
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
701006-02	OFF-RD OPERATIONS 2L, 2W, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
701011-01	OFF-RD MOVING OPERATIONS 2L, 2W, DAY ONLY
701101-01	OFF-RD OPERATIONS, MULTILANE, LESS THAN 4.3m (15') AWAY, FOR SPEEDS > 45 MPH
701301-02	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701326-02	LANE CLOSURE 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-01	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE (2 SHEETS)
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	LANE CLOSURE MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-05	TRAFFIC CONTROL DEVICES (3 SHEETS)
720001	SIGNAL PANEL MOUNTING DETAILS
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
780001-01	TYPICAL PAVEMENT MARKINGS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001	CONCRETE HANDHOLES
814006	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES (2 SHEETS)
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
878001-03	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATION

ABBREVIATIONS

CONC	PORTLAND CEMENT CONCRETE	R	STRUCTURE TO BE RECONSTRUCTED
BIT	BITUMINOUS PAVEMENT	A	STRUCTURE TO BE ADJUSTED
GR	GRAVEL	▲	CENTRAL ANGLE
CMP	CORRUGATED METAL PIPE	D=	DEGREE OF CURVE
FH	FIRE HYDRANT	T=	TANGENT LENGTH
CI	CAST IRON	L=	CURVE LENGTH
DI	DUCTILE IRON	R=	RADIUS OF CURVE
F-F	FACE-TO-FACE	E=	EXTERNAL DISTANCE
E-E	EDGE-TO-EDGE	SE=	SUPERELEVATION (FT. PER FT. OF WIDTH)
B-B	BACK-TO-BACK	X=	EXTERNAL DISTANCE OF VERTICAL CURVE
BM	BENCH MARK	PC	POINT OF CURVATURE
INV EL	INVERT ELEVATION	PI	POINT OF INTERSECTION
CL EL	CENTERLINE ELEVATION	PT	POINT OF TANGENCY
P	POINT	POT	POINT ON TANGENCY
G	GUTTER	PCC	POINT OF COMPOUND CURVATURE
C	CURB	PRC	POINT OF REVERSE CURVATURE
BC	BACK OF CURB	VC	VERTICAL CURVE
EOP	EDGE OF PAVEMENT	N&W	NAIL AND WASHER
PL	PROPERTY LINE	TCE	TEMPORARY CONSTRUCTION EASEMENT
ROW	RIGHT OF WAY		
FL	FLOW LINE		
TF	TOP OF FRAME		
TC	TOP OF CURB OR CONCRETE		

COPYRIGHT © 2004 BY BAXTER & WOODMAN, INC.
 ALL RIGHTS RESERVED. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW
* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS			
DRAWING FILE: 13665-SH2.DWG		PLOTTED BY: JKB 15/OCT/04 13:38	

BAXTER & WOODMAN
 Consulting Engineers
 Crystal Lake, Illinois 815.459.1280
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

LEGEND, ABBREVIATIONS
AND HIGHWAY STANDARDS

DESIGNED BY	SCALE
LDH	NONE
DRAWN BY	PROJECT NO.
DEK	010665
CHECKED BY	SHEET NO.
LDH	
DATE	
10-05-04	

GENERAL NOTES

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT	CMF-0607 (070)	


CONTRACT NO. 83786

1. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PERSEVERE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL EXISTING UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED IN THE STANDARD SPECIFICATIONS. UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL USE CAUTION WHERE THERE ARE POTENTIAL CONFLICTS. PRIOR TO CONSTRUCTION OF THE STORM SEWER, THE CONTRACTOR SHALL NOTIFY THE VILLAGE TO LOCATE EXISTING WATER MAIN, WATER SERVICES, SANITARY SEWER, AND SANITARY SEWER SERVICES WHERE THE PROPOSED STORM SEWER WILL CROSS.
3. 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 UNMARKED UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER OR REPLACED, IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
4. STORM SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR THE ROAD AND BRIDGE CONSTRUCTION ARTICLE 550.07, METHOD 1 ONLY.
5. STORM SEWER STRUCTURE OFFSET LOCATIONS ARE TO THE BACK OF CURB IF THE STRUCTURE IS IN THE CURB LINE. OTHERWISE IT IS TO THE CENTER OF THE STRUCTURE.
6. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION ON THE AREA IN WHICH THERE ARE LOCATED AS PART OF THE STRUCTURE COST.
7. EXCAVATION FOR STRUCTURES SHALL BE PAID FOR AS EARTH EXCAVATION.
8. ALL SAW CUTTING SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
9. SIDEWALK RAMPS FOR ACCESS FOR THE DISABLED SHALL BE PROVIDED IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARD AT THE LOCATIONS WHERE PROPOSED CROSSWALKS ABOUT THE STREET RETURNS OR AS DIRECTED BY THE ENGINEER. THE ENGINEER SHALL DETERMINE THE TYPE OF SIDEWALK RAMP TO BE PROVIDED AND THE LOCATION.
10. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE TO ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES AT ALL TIMES DURING CONSTRUCTION.
11. IF ANY EXISTING STORM SEWER LATERALS ARE FOUND DURING CONSTRUCTION AND ARE NOT IDENTIFIED ON THE PLANS, THEY SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM. SAID CONNECTION SHALL BE CONSIDERED INCLUDED IN THE COST OF THE STORM SEWER CONSTRUCTION.
12. ANY DAMAGE DONE TO THE WATER MAIN, WATER SERVICE, SANITARY SEWER, OR SANITARY SEWER SERVICES NOT CONSIDERED IN CONFLICT WITH THE PROPOSED STORM SEWER SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE.
13. DURING CONSTRUCTION STAGING OPERATIONS, THE SHOREWOOD POLICE, FIRE AND PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED IN WRITING 48 HOURS PRIOR TO STREET CLOSURES. EMERGENCY ACCESS SHALL BE ALLOWED AT ALL TIMES.
14. THE CONTRACTOR SHALL REPLACE ALL STREET SIGNS REMOVED DURING CONSTRUCTION AS NEAR AS POSSIBLE TO THEIR ORIGINAL LOCATION OR AS DETERMINED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.
15. ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AT THE TIME OF CONSTRUCTION AND THE WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
16. CONNECTION OF PROPOSED STORM SEWER INTO EXISTING STORM SEWER OR EXISTING STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF PROPOSED STORM SEWER.
17. CONNECTION OF EXISTING STORM SEWER INTO PROPOSED STORM SEWER OR PROPOSED STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF PROPOSED ITEMS.
18. 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.
19. ALL MANHOLES AND HANDHOLES SHALL HAVE THE WORDS "STORM", "SANITARY", "WATER" OR "LIGHTING", AS APPLICABLE STAMPED ONTO SELF SEALING LIDS FOR TYPE 1 FRAMES AS INCIDENTAL TO THE MANHOLE OR HANDHOLE.
20. ANY MAILBOXES IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH VILLAGE AND U.S.P.S. STANDARDS AS INCIDENTAL TO CONSTRUCTION. MAIL SERVICE SHALL BE MAINTAINED AT ALL TIMES.
21. POROUS GRANULAR EMBANKMENT SUBGRADE: FINAL QUANTITY DETERMINATION SHALL BE BASED ON CROSS-SECTIONS TAKEN AT THE TIME OF CONSTRUCTION.
22. MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS: ALL NECESSARY CLEANING OF THE CRACKS AND JOINTS TO RECEIVE THE MIXTURE SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE MATERIAL.
23. PORTLAND CEMENT CONCRETE SIDEWALK: EXCAVATION FOR THE PROPOSED SIDEWALK WILL BE PAID FOR AS EARTH EXCAVATION IN AREAS WHERE THERE IS NO EXISTING SIDEWALK. EXCAVATION FOR THE PROPOSED SIDEWALK WILL BE PAID FOR AS SIDEWALK REMOVAL IN AREAS WHERE THE EXISTING SIDEWALK IS TO BE REMOVED AND REPLACED.
24. DRIVEWAY PAVEMENT REMOVAL AND SIDEWALK REMOVAL: THIS WORK SHALL ALSO INCLUDE REMOVING AND DISPOSING OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED SUBGRADE ELEVATION AS DETERMINED BY THE ENGINEER.
25. CONCRETE HEADWALL REMOVAL: THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE STRUCTURE OR PIPE CULVERT BEING REMOVED.
26. PIPE CULVERT REMOVAL: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PIPE CULVERT REMOVAL, REGARDLESS OR SIZE.
27. TWO WEEKS PRIOR TO PLACING PERMANENT MARKINGS, CONTACT DON CHIARUGI, AREA TRAFFIC FIELD ENGINEER, AT 815-741-5302.
28. ONE-LANE TRAFFIC CONTROL OPERATIONS (STD. 701326 AND 701501) WILL BE RESTRICTED TO BE PERFORMED BETWEEN 7:00 A.M. TO 5:00 P.M. OR AS DETERMINED BY THEN ENGINEER.
29. THE CONTRACTOR SHALL PROVIDE WARRANTIES OR GUARANTEES PROVIDING FOR SATISFACTORY IN-SERVICE OPERATION OF THE MECHANICAL AND ELECTRICAL EQUIPMENT AND RELATED COMPONENTS AS PER IDOT STANDARDS.
30. ALL AREAS DAMAGED OR DISTURBED BY THE INSTALLATION OF LIGHT POLES, FOUNDATIONS, UNDERGROUND CABLES, CONDUIT, AND CONTROL CABINET SHALL HAVE TOPSOIL REPLACED TO A DEPTH OF 4", FERTILIZED, AND HYDROSEEDDED IN ACCORDANCE WITH APPLICABLE SECTION OF THE "STANDARD SPECIFICATIONS". THE WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
31. ANY DAMAGE TO PAVEMENT, SIDEWALK, CURB OR ANY OTHER PORTION OF THE ROADWAY NOT SPECIFICALLY TO BE REMOVED AND REPLACED SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST.
32. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING, GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE.
33. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENT FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
35. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
36. ALL CONDUITS UNDER ROADWAYS AND DRIVEWAYS SHALL BE INSTALLED IN TRENCH BEFORE PAVEMENT IS PLACED. CONDUIT LENGTHS SHOWN ON PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE ACTUAL DISTANCE REQUIREMENTS IN THE FIELD.
37. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE MARKERS AND SHALL TAG ALL WIRING ACCORDINGLY.
38. THE CONTRACTOR WILL BE REIMBURSED BY THIS CONTRACT TO THE EXACT AMOUNT OF MONEY AS BILLED BY COM-ED FOR THEIR SERVICES, AND NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR ANY INCIDENTAL MATERIALS AND LABOR REQUIRED TO FULFILL THE REQUIREMENTS AS SHOWN ON THE PLANS AND SPECIFIED HEREIN. SEE SECTION 109.05 "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
39. ALL ELECTRICAL DEVICES AND MATERIALS SHALL BE U/L LISTED WHERE APPLICABLE.
40. PLACE PROPOSED UNIT DUCT A MINIMUM OF 12-INCHES BELOW EXISTING AND PROPOSED STORM SEWER WHERE THE POTENTIAL FOR ELEVATION CONFLICT EXISTS.-
41. EXISTING DRAINAGE DITCHES MAY HAVE DEPOSITS OF UNSUITABLE OR UNSTABLE MATERIALS. THESE AREAS MUST BE PUMPED DRY OF ANY EXISTING WATER AND ALL UNSUITABLE/UNSTABLE MATERIAL MUST BE REMOVED PRIOR TO THE PLACEMENT OF ANY EMBANKMENT MATERIAL. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE EARTH EXCAVATION.

COPYRIGHT © 2005, BY BAXTER & WOODMAN, INC. DRAWING NO. 10865-GNTES-01A REV. 05/05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS DRAWING FILE: 10865-GNTES.DWG PLOTTED BY: UKB 05/JAN/05 16:49

BAXTER & WOODMAN

 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7894
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.789.3111
 Graystake, Illinois 847.223.6088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

GENERAL NOTES

DESIGNED BY	LDH	SCALE	NONE
DRAWN BY	DEK	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	
DATE	10-05-04		

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT	CMF-0607 (070)	


CONTRACT NO. B3786

SUMMARY OF QUANTITIES							
ITEM NO.	DESCRIPTION	UNIT	TOTAL	ROADWAY	LIGHTING	SIGNAL	BIKEPATH
				I000-2A	Y030-1E	Y031-1F	SFTY-1B
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	76	76	0	0	0
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	162	162	0	0	0
20200100	EARTH EXCAVATION	CU YD	6422	6422	0	0	0
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	8890	8890	0	0	0
20400800	FURNISHED EXCAVATION	CU YD	875	875	0	0	0
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	481	481	0	0	0
20800150	TRENCH BACKFILL	CU YD	1197	1197	0	0	0
** 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	17106	17106	0	0	0
** 25000210	SEEDING, CLASS 2A	ACRE	3.53	3.53	0	0	0
** 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	318	318	0	0	0
** 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	318	318	0	0	0
** 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	318	318	0	0	0
25100630	EROSION CONTROL BLANKET	SQ YD	17106	17106	0	0	0
28000300	TEMPORARY DITCH CHECKS	EACH	12	12	0	0	0
28000400	PERIMETER EROSION BARRIER	FOOT	2280	2280	0	0	0
28000500	INLET AND PIPE PROTECTION	EACH	31	31	0	0	0
28000510	INLET FILTERS	EACH	39	39	0	0	0
28100107	STONE RIPRAP, CLASS A4	SQ YD	106	106	0	0	0
28200100	FILTER FABRIC FOR USE WITH RIPRAP	SQ YD	106	106	0	0	0
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	2860	0	0	0	2860
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1516	1516	0	0	0
40600300	AGGREGATE (PRIME COAT)	TON	31	31	0	0	0
40600400	MIXTURE FOR JOINTS, CRACKS, AND FLANGEWAYS	TON	16	16	0	0	0
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	0	0	0
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	212	212	0	0	0
40601000	BITUMINOUS REPLACEMENT OVER PATCHES	TON	23	23	0	0	0
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	6307	0	0	0	6307
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	11456	11456	0	0	0
44000106	BITUMINOUS REMOVAL OVER PATCHES 1 1/2"	SQ YD	268	268	0	0	0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1268	1268	0	0	0
44000600	SIDEWALK REMOVAL	SQ FT	1396	0	0	0	1396
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	142	142	0	0	0
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	96	96	0	0	0
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	4511	4511	0	0	0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	109	109	0	0	0
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	0	0	0
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1	0	0	0
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	1	0	0	0
50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1	1	0	0	0
50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1	1	0	0	0
50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1	1	0	0	0
50105220	PIPE CULVERT REMOVAL	FOOT	586	586	0	0	0
50800105	REINFORCEMENT BARS	POUND	89800	89800	0	0	0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	26800	26800	0	0	0
54003000	CONCRETE BOX CULVERTS	CU YD	426	426	0	0	0
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	8	8	0	0	0
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1	0	0	0
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1	0	0	0
54213666	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21"	EACH	1	1	0	0	0
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1	0	0	0
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1	0	0	0
54247100	GRATING FOR CONCRETE FLARED END SECTION 15"	EACH	1	1	0	0	0
54247110	GRATING FOR CONCRETE FLARED END SECTION 18"	EACH	1	1	0	0	0
54247120	GRATING FOR CONCRETE FLARED END SECTION 21"	EACH	1	1	0	0	0
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	1	1	0	0	0
54247170	GRATING FOR CONCRETE FLARED END SECTION 36"	EACH	1	1	0	0	0
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	721	721	0	0	0
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	103	103	0	0	0
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	7	7	0	0	0
550A2350	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 21"	FOOT	118	118	0	0	0
550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	108	108	0	0	0
550A2370	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 27"	FOOT	23	23	0	0	0
550A2400	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 36"	FOOT	160	160	0	0	0
550A2520	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	318	318	0	0	0
550A2800	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 36"	FOOT	40	40	0	0	0
55100500	STORM SEWER REMOVAL 12"	FOOT	10	10	0	0	0
55100900	STORM SEWER REMOVAL 18"	FOOT	29	29	0	0	0
55101600	STORM SEWER REMOVAL 36"	FOOT	380	380	0	0	0
56109210	WATER VALVES TO BE ADJUSTED	EACH	1	1	0	0	0
56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	1	1	0	0	0
60100080	FRENCH DRAINS	CU YD	69	69	0	0	0
60100905	PIPE DRAINS 4"	FOOT	18	18	0	0	0
60107600	PIPE UNDERDRAINS 4"	FOOT	1027	1027	0	0	0
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2	0	0	0
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1	0	0	0
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 GRATE	EACH	1	1	0	0	0
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	11	11	0	0	0
60207905	CATCH BASINS, TYPE C, TYPE 11 FRAME AND GRATE	EACH	1	1	0	0	0
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	13	13	0	0	0
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	0	0	0
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	0	0	0
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0	0
60224448	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 8 GRATE	EACH	1	1	0	0	0
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	4	4	0	0	0
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	3	0	0	0
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	2	0	0	0
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	4	4	0	0	0
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0	0
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1	0	0	0
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	0	0	0
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	3	0	0	0
60260300	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1	0	0	0
60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	1	1	0	0	0
60500040	REMOVING MANHOLES	EACH	2	2	0	0	0
60500050	REMOVING CATCH BASINS	EACH	3	3	0	0	0
60500060	REMOVING INLETS	EACH	3	3	0	0	0
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1176	1176	0	0	0
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	4855	4855	0	0	0
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	380	380	0	0	0

C:\Lead Projects\2004\shored\010665\SUMMARY.dwg
 Plotted: 12-21-04 @ 8:33am By: 231uck
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DATE	12-21-04
DESCRIPTION	PER I.D.O.T. REVIEW
DRAWING FILE:	
PLOTTED BY:	


Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.476.2090
 DeKalb, Illinois 815.789.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551
 Consulting Engineers

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS
 SUMMARY OF QUANTITIES

DESIGNED BY	LDH/RWL	SCALE	NONE
DRAWN BY	LDH/RWL	PROJECT NO.	010665
CHECKED BY	LDH/RWL	SHEET NO.	4 OF 85
DATE	10-05-04		

SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL	ROADWAY 1000-2A	LIGHTING Y030-1E	SIGNAL Y031-1F	SIDEWALK SFTY-1B	BIKEPATH Y045
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	105	105	0	0	0	0
63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	1	1	0	0	0	0
63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1	0	0	0	0
63200310	GUARDRAIL REMOVAL	FOOT	400	400	0	0	0	0
64100115	SIGHT SCREEN (WOODEN FENCE), TYPE P 6"	FOOT	45	45	0	0	0	0
67100100	MOBILIZATION	L SUM	1	1	0	0	0	0
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	0	0	0	0
70101900	TRAFFIC CONTROL AND PROTECTION (DETOUR 1)	L SUM	1	1	0	0	0	0
70102000	TRAFFIC CONTROL AND PROTECTION (DETOUR 2)	L SUM	1	1	0	0	0	0
70102100	TRAFFIC CONTROL AND PROTECTION (DETOUR 3)	L SUM	1	1	0	0	0	0
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	0	0	0	0
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	0	0	0	0
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	0	0	0	0
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	0	0	0	0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1584	1584	0	0	0	0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	792	792	0	0	0	0
72000100	SIGN PANEL - TYPE 1	SQ FT	12	0	0	12	0	0
72000200	SIGN PANEL - TYPE 2	SQ FT	30	0	0	30	0	0
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	458	458	0	0	0	0
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	12880	12880	0	0	0	0
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2178	2178	0	0	0	0
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1461	1461	0	0	0	0
78000800	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	211	211	0	0	0	0
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	362	362	0	0	0	0
78200410	GUARDRAIL MARKERS, TYPE A	EACH	3	3	0	0	0	0
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1	0	0	0	0
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1392	1392	0	0	0	0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	116	116	0	0	0	0
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2	0	2	0	0	0
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	0	1	0	0	0
80700110	GROUND ROD, 3/4" DIA. X 10 FT.	EACH	62	0	62	0	0	0
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	3542	0	230	3312	0	0
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	713	0	650	63	0	0
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	19	0	0	19	0	0
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10	0	0	10	0	0
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	479	0	0	479	0	0
81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	370	0	370	0	0	0
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	275	0	0	275	0	0
81400100	HANDHOLE	EACH	10	0	0	10	0	0
81400200	HEAVY DUTY HANDHOLE	EACH	4	0	0	4	0	0
81400300	DOUBLE HANDHOLE	EACH	1	0	0	1	0	0
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	10594	0	6900	3694	0	0
81702400	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/8" NO. 2	FOOT	320	0	320	0	0	0
82500505	LIGHTING CONTROLLER, SPECIAL	EACH	2	0	2	0	0	0
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	190	0	190	0	0	0
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	176	0	176	0	0	0
84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	4	0	4	0	0	0
85000500	MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1	0	0	1	0	0
85700205	FULL - ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	0	0	1	0	0
86400100	TRANSCIVER - FIBER OPTIC	EACH	1	0	0	1	0	0
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	748	0	0	748	0	0
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1255	0	0	1255	0	0
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	809	0	0	809	0	0
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1339	0	0	1339	0	0
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1649	0	0	1649	0	0
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6, 2C	FOOT	301	0	0	301	0	0
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	2	0	0	2	0	0
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	0	0	1	0	0
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1	0	0	1	0	0
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2	0	0	2	0	0
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8	0	0	8	0	0
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4	0	0	4	0	0
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60	0	0	60	0	0
87900200	DRILL EXISTING HANDHOLE	EACH	1	0	0	1	0	0
88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	8	0	0	8	0	0
88500100	INDUCTIVE LOOP DETECTOR	EACH	8	0	0	8	0	0
88600100	DETECTOR LOOP, TYPE 1	FOOT	1009	0	0	1009	0	0
88800100	PEDESTRIAN PUSH BUTTON	EACH	5	0	0	5	0	0
89502200	MODIFY EXISTING CONTROLLER	EACH	1	0	0	1	0	0
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	643	0	0	643	0	0
A2000120	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAP	EACH	2	2	0	0	0	0
A2000320	TREE, CELTIS OCCIDENTALIS PRAIRIE PRIDE (PRAIRIE PRIDE HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAP	EACH	2	2	0	0	0	0
B2004520	TREE, MALUS RED JEWEL (RED JEWEL CRAB APPLE), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	10	10	0	0	0	0
X3500300	BITUMINOUS BASE COURSE SUPERPAVE 6"	SQ YD	100	100	0	0	0	0
X3500500	BITUMINOUS BASE COURSE SUPERPAVE 8"	SQ YD	168	168	0	0	0	0
X4068414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	374	0	0	0	0	374
X4068426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	1307	1307	0	0	0	0
X4068616	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70	TON	2425	2425	0	0	0	0
X4067100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	494	494	0	0	0	0
X4073071	BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 9-1/2"	SQ YD	3479	3479	0	0	0	0
X4080020	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE, N50	TON	32	32	0	0	0	0
X8050015	SERVICE INSTALLATION, POLE MOUNT	EACH	1	0	0	1	0	0
X8500100	TEMPORARY FLASHING BEACON INSTALLATION	EACH	1	0	0	1	0	0
X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62 5/125, MM 12F, SM 12F	FOOT	3254	0	0	3254	0	0
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1379	0	0	1379	0	0
X8800020	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4	0	0	4	0	0
X8800040	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	0	0	4	0	0
X8800045	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4	0	0	4	0	0
X8810810	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	2	0	0	2	0	0
X8810820	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED	EACH	3	0	0	3	0	0
Z0000990	AGGREGATE FOR TEMPORARY ACCESS	TON	50	50	0	0	0	0
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	9438	9438	0	0	0	0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	0	0	0	0
Z0013825	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	96	96	0	0	0	0
Z0019600	DUST CONTROL WATERING	UNIT	50	50	0	0	0	0
Z0022800	FENCE REMOVAL	FOOT	45	45	0	0	0	0
Z0076600	TRANEES	FOOT	500	500	0	0	0	0
XX004980	REOPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1	0	0	1	0	0
XX006141	GRATING FOR 36-INCH STORM SEWER	EACH	1	1	0	0	0	0
X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3254	0	0	3254	0	0
X0323868	DRAINAGE RESTRICTOR	EACH	3	3	0	0	0	0
XX006133	POLYETHYLENE DUCT WITH 2 1/4" NO. 6, 2 1/4" NO. 4, & 1/4" NO. 6 GROUND 600V (XLP-TYPE USE), 1 1/4"	FOOT	8000	0	8000	0	0	0
XX006134	POLYETHYLENE DUCT WITH 2 1/4" NO. 6, 2 1/4" NO. 4, 3 1/4" NO. 12 & 1/4" NO. 6 GROUND 600V (XLP-TYPE USE), 1 1/2"	FOOT	180	0	180	0	0	0
XX006135	LIGHT POLE, STEEL FLUTED, 35 FT. M.H., 10 FT. ARM, TYPE "A", SPECIAL	EACH	10	0	10	0	0	0
XX006136	LIGHT POLE, STEEL FLUTED, 35 FT. M.H., 10 FT. ARM, TYPE "A", WITH 16 FT. M.H., 33 IN. ARM, SPECIAL	EACH	12	0	12	0	0	0
XX006137	LIGHT POLE, STEEL FLUTED, 16 FT. M.H., 40 IN. ARM, TYPE "B", SPECIAL	EACH	38	0	38	0	0	0
XX006138	LUMINAIRE, SODIUM VAPOR, 310 WATT, TYPE "A", SPECIAL	EACH	20	0	20	0	0	0
XX006139	LUMINAIRE, SODIUM VAPOR, 310 WATT, TYPE "A", PHOTO-CELL CONTROL, SPECIAL	EACH	2	0	2	0	0	0
XX006140	LUMINAIRE, SODIUM VAPOR, 70 WATT, TYPE "B", SPECIAL	EACH	50	0	50	0	0	0

Δ DENOTES SPECIALTY ITEM Δ = Y080

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT		
		CMF-0607 (070)		

CONTRACT NO. 83786

C:\land Projects\2004\arwa\010665.dwg\10665-SUM001.dwg
 Plotted: 1-05-05 @ 6:43pm By: Baxter & Woodman, Inc.
 Copyright © 2004, By: Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 124-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1651

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

SUMMARY OF QUANTITIES

DESIGNED BY	SCALE
LDH/RWL	NONE
DRAWN BY	PROJECT NO.
UKB	010665
CHECKED BY	SHEET NO.
LDH/RWL	5 OF 85
DATE	
10-05-04	

CONTRACT NO. B3786

PORTLAND CEMENT CONCRETE SIDEWALK, SPECIAL, 6"					
STATION	STATION	SIDE	WIDTH (FT)	LENGTH (FT)	AREA (SQ FT)
US ROUTE 52					
26+22	26+50	LT	14	28	392
40+26	40+48	LT	5	22	110
25+45	25+70	RT	10	45	450
34+87	34+98	RT	4	12	48
47+97	49+30	RT	10	135.5	1355
RIVER ROAD					
60+60	64+00	LT	8	350	2800
54+00	64+62	LT	VARIES	62	565
55+44	55+74	LT	VARIES	30	413
54+30	54+55	RT	VARIES	25	174
US ROUTE 52 TOTAL =					2355
RIVER ROAD TOTAL =					3952
PROJECT TOTAL =					6307

SIDEWALK REMOVAL					
BEGIN STA.	END STA.	SIDE	LENGTH (FT)	WIDTH (FT)	AREA (SF)
US ROUTE 52					
28+92	28+96	RT	3.00	29	87
34+89	34+97	RT	8.00	4	32
37+38	37+85	RT	47.00	5	235
38+13	38+18	RT	5.00	5	25
40+20	40+48	LT	28.00	5	140
47+37	47+42	LT	5.00	5	25
47+93	49+30	RT	137.00	4	548
48+00	48+04	RT	4.00	11	44
RIVER ROAD					
50+50	50+98	LT	48.00	5	240
54+30	54+35	RT	5.00	4	20
PROJECT TOTAL =					1396

BITUMINOUS CONCRETE BICYCLE PATH							
			AGGREGATE BASE COURSE, TYPE B, 8"		BIT. CONC. SURFACE CRSE. SUPERPAVE, MIX "C", N50		
STATION	STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)	WIDTH (FT)	AREA (SQ YD)	SURFACE (TON)
US ROUTE 52							
25+70	29+00	330	11	403.3	10	366.7	52.7
29+00	34+00	500	11	611.1	10	555.6	79.9
34+00	37+87	387	11	473	10	430.0	61.8
38+13	39+50	137	11	167.4	10	152.2	21.9
39+50	42+46	296	11	361.8	10	328.9	47.3
42+96	45+00	204	11	249.3	10	226.7	32.6
45+00	47+38	238	11	290.9	10	264.4	38
RIVER ROAD							
55+74	57+50	176	11	215.1	10	195.6	28.1
57+50	58+22	72	11	88	10	80.0	11.5
PROJECT TOTALS =				2859.9			373.8

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24				
STATION	STATION	SIDE	LENGTH (FT)	
US ROUTE 52				
21+62	23+50	LT	188	
23+50	24+71	LT	143	
25+12	29+00	LT	420	
29+00	34+00	LT	500	
34+00	39+50	LT	550	
39+50	39+97	LT	76	
40+25	45+00	LT	503	
21+62	23+50	RT	188	
23+50	24+69	RT	142	
25+12	29+00	RT	430	
29+00	34+00	RT	500	
34+00	39+50	RT	550	
39+50	42+50	RT	330	
42+88	45+00	RT	240	
46+94	47+43	RT	65	
47+90	48+07	RT	30	
PROJECT TOTAL =				4855

COMBINATION CURB AND GUTTER REMOVAL				
STATION	STATION	SIDE	LENGTH (FT)	
US ROUTE 52				
37+51	38+46	RT	112	
41+66	42+60	RT	116	
42+87	44+03	RT	142	
44+24	45+00	LT	86	
46+94	47+43	RT	65	
47+90	48+07	RT	30	
49+29	49+32	RT	15	
RIVER ROAD				
50+45	51+02	LT	57	
50+45	54+00	RT	355	
54+00	54+72	RT	91	
55+21	56+37	RT	155	
56+72	56+86	RT	14	
57+06	57+21	RT	15	
57+27	57+32	RT	5	
57+86	57+97	RT	11	
US ROUTE 52 TOTAL =				565
RIVER ROAD TOTAL =				703
PROJECT TOTAL =				1268

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12				
STATION	STATION	SIDE	LENGTH (FT)	
US ROUTE 52				
37+67	37+87	RT	38	
38+10	38+33	RT	38	
49+29	49.32	RT	15	
RIVER ROAD				
50+45	54+00	LT	355	
54+00	54+35	LT	35	
55+71	57+50	LT	179	
57+50	58+05	LT	55	
50+45	54+00	RT	355	
55+76	56+37	RT	61	
56+72	56+86	RT	14	
57+06	57+21	RT	15	
57+27	57+32	RT	5	
57+86	57+97	RT	11	
US ROUTE 52 TOTAL =				91
RIVER ROAD TOTAL =				1085
PROJECT TOTAL =				1176

CLASS D PATCHES, 14 INCH					
STATION	STATION	WIDTH (FT)	LENGTH (FT)	TYPE III AREA (SQ YD)	TYPE IV AREA (SQ YD)
US ROUTE 52					
24+10	24+35	25	25		70
27+47	27+53	24.5	6	17	
28+97	29+03	22	6	15	
31+47	31+53	25	6	17	
33+47	33+53	25	6	17	
35+47	35+53	25	6	17	
37+47	37+53	25	6	17	
38+22	38+28	27	6	18	
42+02	42+08	35	6	24	
44+30	44+36	38	6		26
PROJECT TOTALS =				142	96

GUARDRAIL REMOVAL				
BEGIN STA.	END STA.	SIDE	LENGTH (FT)	
US ROUTE 52				
24+00	24+79	LT	129.00	
25+19	25+93	LT	94.00	
36+93	38+68	LT	177.00	
PROJECT TOTAL =				400.00


ENTRANCES									
STATION	SIDE	EX. DRIVE MATERIAL	EX. DRIVE TYPE	PCC OR BIT	WIDTH @ ROW (FT)	WIDTH @ CURB (FT)	INCIDENTAL BIT. SURFACING (TON)	BIT. BSE. CRSE., SUPERPAVE 6" (SY)	BIT. BSE. CRSE., SUPERPAVE 8" (SY)
36+74	LT	BIT./GRAVEL	PE	BIT	15	45	12	100	
38+00	RT	BITUMINOUS	CE	BIT	21/23	58	20		168
PROJECT TOTALS =							32	100	168

* BITUMINOUS AND GRAVEL DRIVEWAY PAVEMENT REMOVAL HAS BEEN INCLUDED IN EARTH EXCAVATION QUANTITY

I:\SHARED\010665\DWG\10665-SC10-MATLS.dwg
 Plotted: 12-15-04 @ 9:38am By: 231ukb
 Copyright ©2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS



Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.287.3111
 Graylake, Illinois 815.228.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

SCHEDULE OF MATERIALS

DESIGNED BY	LDH	SCALE	NONE
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	
DATE	10-05-04		

6 OF 85

EARTH EXCAVATION

STATION	EARTH EXCAVATION					TOPSOIL					REM. & DISP. OF UNSUIT. (CY)	EARTH EXC. TO BE USED IN EMBANK. (CY)
	EXCAVATION (SF)	EMBANK. (SF)	TOPSOIL EX. (SF)	UNDERCUT (SF)	PGES (SF)	EXCAVATION (CY)	EMBANK. (CY)	EXCAVATION (CY)	UNDERCUT (CY)	PGES (CY)		
US ROUTE 52												
19+14	49.5	0.0	0.0	0.0	0.0							
20+00	77.5	30.5	72.6	20.0	20.0	202.3	48.6	115.5	31.9	31.9	147.4	171.9
21+00	34.2	46.0	61.1	20.5	20.5	206.9	141.7	247.6	75.0	75.0	322.6	175.8
22+00	22.5	38.2	73.6	0.0	0.0	105.0	155.8	249.4	38.0	38.0	287.4	89.3
23+00	32.7	35.9	67.2	0.0	0.0	102.2	137.2	260.8	0.0	0.0	260.8	86.9
24+00	89.6	124.6	118.3	0.0	0.0	226.5	297.3	343.6	0.0	0.0	343.6	192.5
25+00	0.0	0.0	0.0	0.0	0.0	166.0	230.8	219.1	0.0	0.0	219.1	141.1
26+00	14.5	41.4	63.6	0.0	0.0	26.9	76.6	117.7	0.0	0.0	117.7	22.9
27+00	20.1	36.1	69.3	0.0	0.0	64.2	143.5	246.1	0.0	0.0	246.1	54.6
28+00	15.2	22.3	58.1	0.0	0.0	65.4	108.2	235.9	0.0	0.0	235.9	55.6
29+00	34.6	15.6	56.1	0.0	0.0	92.2	70.3	211.5	0.0	0.0	211.5	78.3
30+00	15.8	22.4	55.2	0.0	0.0	93.3	70.4	206.1	0.0	0.0	206.1	79.3
31+00	22.6	18.1	57.5	0.0	0.0	71.1	74.9	208.6	0.0	0.0	208.6	60.4
32+00	20.9	24.0	60.4	0.0	0.0	80.6	78.0	218.2	0.0	0.0	218.2	68.5
33+00	49.2	38.0	64.8	0.0	0.0	129.8	114.9	231.9	0.0	0.0	231.9	110.4
34+00	62.6	34.1	64.1	0.0	0.0	207.0	133.6	238.8	0.0	0.0	238.8	176.0
35+00	64.1	48.1	74.3	0.0	0.0	234.6	152.3	256.4	0.0	0.0	256.4	199.4
36+00	14.7	48.1	80.6	16.7	20.5	145.0	178.2	287.0	30.9	37.9	317.9	124.1
37+00	41.9	111.7	141.0	43.7	49.2	104.9	295.9	410.3	111.7	128.9	522.1	89.1
38+00	158.7	113.4	100.2	17.8	21.2	371.6	416.9	446.6	113.9	130.3	560.5	315.8
39+00	12.1	79.9	100.7	0.0	0.0	316.4	358.0	372.0	33.0	39.3	405.0	288.9
40+00	204.1	32.0	47.1	0.0	0.0	400.4	207.3	273.7	0.0	0.0	273.7	340.3
41+00	14.6	37.0	72.0	0.0	0.0	405.0	127.8	220.6	0.0	0.0	220.6	344.2
42+00	22.1	29.2	64.7	0.0	0.0	67.8	122.5	253.3	0.0	0.0	253.3	57.7
43+00	10.1	26.9	46.7	0.0	0.0	59.6	103.9	206.3	0.0	0.0	206.3	50.7
44+00	18.3	24.0	59.0	0.0	0.0	52.7	94.3	195.8	0.0	0.0	195.8	44.8
45+00	19.6	21.8	48.1	0.0	0.0	70.2	84.7	198.4	0.0	0.0	198.4	58.7
46+00	10.3	9.7	30.0	0.0	0.0	55.4	58.2	144.6	0.0	0.0	144.6	47.1
47+00	4.2	13.7	29.8	0.0	0.0	26.9	43.3	110.7	0.0	0.0	110.7	22.9
48+00	5.2	5.0	17.2	0.0	0.0	17.4	34.6	87.0	0.0	0.0	87.0	14.8
49+00	0.1	10.7	22.8	0.0	0.0	9.8	29.1	74.1	0.0	0.0	74.1	8.3
50+00	0.0	0.0	0.0	0.0	0.0	0.2	19.8	42.3	0.0	0.0	42.3	0.2
51+00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
51+50	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RIVER ROAD												
50+50	0.0	0.0	0.0	0.0	0.0							
51+00	70.5	66.9	62.2	0.0	0.0	65.3	61.9	57.6	0.0	0.0	57.6	55.5
52+00	65.5	85.0	59.1	0.0	0.0	252.0	281.3	224.7	0.0	0.0	224.7	214.2
53+00	51.5	93.0	77.6	0.0	0.0	216.7	329.7	253.3	0.0	0.0	253.3	184.2
54+00	240.4	80.6	75.7	0.0	0.0	540.6	321.5	284.0	0.0	0.0	284.0	459.5
55+00	0.0	0.0	0.0	0.0	0.0	445.3	149.2	140.2	0.0	0.0	140.2	378.5
55+50	80.5	389.3	155.7	0.0	0.0	74.5	360.5	144.2	0.0	0.0	144.2	63.3
56+00	66.5	83.9	55.9	0.0	0.0	123.2	155.4	103.4	0.0	0.0	103.4	104.7
57+00	70.7	56.6	35.3	0.0	0.0	254.0	260.1	168.8	0.0	0.0	168.8	215.9
58+00	72.6	51.8	43.5	0.0	0.0	265.3	200.6	145.9	0.0	0.0	145.9	225.5
58+05	0.0	0.0	0.0	0.0	0.0	8.7	4.8	4.0	0.0	0.0	4.0	5.7
TOTALS						6421.7	6333.6	8455.9	434.4	481.2	8890.3	5458.4

EARTHWORK NOTES:
 ASSUME 4 INCH DEPTH OF TOPSOIL PLACEMENT.
 ASSUME 12 INCH DEPTH OF TOPSOIL EXCAVATION
 ASSUME 15% SHRINKAGE OF EARTH EXCAVATION TO BE REUSED IN EMBANKMENT.
 AT 37+00 ASSUMED UNDERCUT UNDER STRUCTURE AS WELL
 UNDERCUT AND PGE QUANTITIES DIFFER WHEN TOPSOIL EXCAVATION ACCOUNTS FOR SOME OF THE UNDERCUT.

SCHEDULE OF EROSION CONTROL QUANTITIES

PERIMETER EROSION BARRIER	FOOT	2280
TEMPORARY DITCH CHECKS	EACH	12
INLET AND PIPE PROTECTION	EACH	31
STONE RIP-RAP, CLASS A4	SQ. YD.	106
FILTER FABRIC FOR USE WITH RIP-RAP	SQ. YD.	106
INLET FILTERS	EACH	39

TREES

STATION	OFFSET	FREEMAN MAPLE	HACKBERRY	CRAB APPLE
US ROUTE 52				
20+21	40' LT			X
20+51	40' LT			X
20+81	40' LT			X
RIVER ROAD				
50+63	26' LT			X
50+93	26' LT			X
51+23	26' LT			X
51+53	25' LT			X
51+83	25' LT			X
52+13	25' LT			X
52+43	24' LT			X
56+50	44' LT	X		
56+90	44' LT		X	
57+30	44' LT	X		
57+70	44' LT		X	
PROJECT TOTAL =		2	2	10

TREE REMOVAL

STATION	OFFSET	6 TO 15 UNITS	OVER 15 UNITS
20+13	32' RT		36"
20+81	31' RT	12"	
20+99	33' RT		48"
21+32	29' RT	10"	
21+59	31' RT	2-10"	
22+79	36' RT		32"
23+71	38' RT		30"
28+41	36' LT		16"
29+27	35' LT	10"	
29+65	37' LT	10"	
30+43	33' LT	6"	
31+89	32' LT	8"	
PROJECT TOTAL =		76	162

LOCATION	STATION BEGIN	STATION END	LENGTH (FT)	AGGREGATE SUBGRADE, 12 IN.		BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19.0, N70			BIT. CONC. SURFACE CRSE., SUPERPAVE, MIX "D", N70			BIT. SURFACE REMOVAL, VAR. DEPTH	
				WIDTH (FT)	AREA (SQ YD)	WIDTH (FT)	AREA (SQ YD)	BINDER (TON)	WIDTH (FT)	AREA (SQ YD)	SURFACE (TON)	WIDTH (FT)	AREA (SQ YD)
US ROUTE 52	19+14	to 21+62	248.0	VAR	358.2	VAR	261.8	169.3	VAR	895.6	77.2	25.0	688.9
US ROUTE 52	21+62	to 23+08	146.0	20.0	324.4	13.0	210.9	136.4	38.0	616.4	53.2	25.0	405.6
US ROUTE 52	23+08	to 24+38	130.0	VAR	415.3	VAR	310.6	200.9	VAR	671.7	57.9	25.0	361.1
US ROUTE 52	24+38	to 24+57	19.0	VAR	104.0	VAR	84.4	54.6	VAR	138.3	11.9	25.0	52.8
US ROUTE 52	24+57	to 25+40	83.0	0.0	0.0	0.0	0.0	0.0	25.0	230.6	19.9	25.0	230.6
US ROUTE 52	25+40	to 25+50	10.0	VAR	49.7	VAR	41.4	26.8	VAR	67.8	5.8	25.0	27.8
US ROUTE 52	25+50	to 26+70	120.0	VAR	430.0	VAR	333.3	215.6	VAR	626.7	54.1	21.5	286.7
US ROUTE 52	26+70	to 28+50	180.0	20.5	410.0	13.5	270.0	174.7	38.0	760.0	65.6	24.5	490.0
US ROUTE 52	28+50	to 29+03	53.0	23.0	135.4	16.0	94.2	61.0	38.0	223.8	19.3	22.0	129.6
US ROUTE 52	29+03	to 34+00	497.0	20.0	1104.4	13.0	717.9	464.4	38.0	2098.4	181.0	25.0	1380.6
US ROUTE 52	34+00	to 39+50	550.0	20.0	1222.2	13.0	794.4	513.9	38.0	2322.2	200.3	25.0	1527.8
US ROUTE 52	39+50	to 40+55	105.0	VAR	741.5	VAR	487.0	315.0	VAR	778.7	67.2	25.0	291.7
US ROUTE 52	40+55	to 41+45	90.0	17.0	170.0	10.0	100.0	64.7	38.0	380.0	32.8	28.0	280.0
US ROUTE 52	41+45	to 42+70	125.0	6.5	90.3	3.0	41.7	27.0	VAR	687.8	59.3	VAR	646.1
US ROUTE 52	42+70	to 43+20	50.0	0.0	0.0	0.0	0.0	0.0	VAR	439.4	37.9	VAR	439.4
US ROUTE 52	43+20	to 47+00	380.0	0.0	0.0	0.0	0.0	0.0	38.0	1604.4	138.4	38.0	1604.4
US ROUTE 52	47+00	to 48+33	133.0	0.0	0.0	0.0	0.0	0.0	VAR	1273.8	109.9	VAR	1273.8
US ROUTE 52	48+33	to 51+50	317.0	0.0	0.0	0.0	0.0	0.0	38.0	1338.4	115.4	38.0	1338.4
US ROUTE 52 TOTALS =					5555.5		3747.6	2424.2		15154.0	1307.0		11455.1

LOCATION	STATION BEGIN	STATION END	LENGTH (FT)	AGGREGATE SUBGRADE, 12 IN.		BIT. CONC. PVT. (F-D), SUPERPAVE, 9.5 IN.	
				WIDTH (FT)	AREA (SQ YD)	WIDTH (FT)	AREA (SQ YD)
RIVER ROAD	50+45	to 53+60	315.0	40.0	1400.0	35.0	1225.0
RIVER ROAD	53+60	to 54+35	75.0	48.5	404.2	43.5	362.5
RIVER ROAD	54+35	to 54+88	52.5	VAR	455.0	VAR	432.0
RIVER ROAD	55+13	to 55+71	58.0	VAR	479.0	VAR	444.7
RIVER ROAD	55+71	to 58+05	234.0	44.0	1144.0	39.0	1014.0
RIVER ROAD TOTALS =					3882.2		3478.2

* BITUMINOUS QUANTITIES COMPUTED WITH 115 LB/SY/IN

I:\SHRWD\010665\DWG\10665-SCHD-MATLS.dwg
 Plotted by: J. Woodman
 Date: 12-21-04
 Scale: As Shown
 State of Illinois - Professional Design Firm
 License No. = 184-00-121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1280
 Burlington, Wisconsin 262.763.7894
 Mukwonago, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

SCHEDULE OF MATERIALS

DESIGNED BY	LDH	SCALE	NONE
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY		SHEET NO.	
LDH DATE	10-05-04	7 OF 85	

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT	CMF-0607 (070)	

CONTRACT NO. 83786

STORM SEWER PIPES
U.S. ROUTE 52

MANHOLES
U.S. ROUTE 52

ST-MH 1
MANHOLE, TY A, TY 1, FR CL
5' DIA.
STA. 37+18, 46' RT.
RIM = 613.90
INV. 610.69 18" S
INV. 608.99± 18" W
INV. 608.53 27" NE

ST-MH 2
MANHOLE, TY A, TY 8 GR
7' DIA.
STA. 37+32, 34' RT.
RIM = 612.40
INV. 609.70 12" NE
INV. 607.96 24" E
INV. 607.96 27" SW
INV. 607.91 36" N

ST-MH 3
MANHOLE, TY A, TY 1 FR (CL)
7' DIA.
STA. 38+50, 57' RT.
RIM = 614.34
INV. 608.39 36" NW & E

ST-MH 4
MANHOLE, TY A, TY 1 FR (CL)
5' DIA.
STA. 40+00, 55' RT.
RIM = 613.85±
INV. 608.62 36" E & W
INV. 611.71 12" N

MANHOLES
RIVER ROAD

ST-MH 5
MANHOLE, TY A, TY 1 FR CL
4' DIA.
STA. 56+25, 45' LT.
RIM = 614.70±
INV. 611.39 12" E
INV. 611.40 12" N
INV. 611.19 15" S

ST-MH 6
MANHOLE, TY A, TY 1 FR CL
4' DIA.
STA. 58+10, 45' LT.
RIM = 617.15±
INV. 612.69 12" E & S

ST-MH 7
MANHOLE, TY A, TY 1 FR CL
4' DIA.
STA. 58+10, 25' LT.
RIM = 616.85±
INV. 612.93 12" N
INV. 612.83 12" W

CATCH BASINS
U.S. ROUTE 52

ST-CB 1
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 24+00 30.5' LT.
FL = 615.98
INV. 611.99 12" NE

ST-CB 2
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 24+05 21.5' RT.
FL = 616.17
INV. 611.80 12" S

ST-CB 3
CATCH BASIN, TY A, TY 24 FR
4' DIA.
STA. 24+67.5 65' RT.
RIM = 615.98
INV. 613.23 12" E, W & S

ST-CB 4
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 25+19.5 65' RT.
FL = 616.13
INV. 613.47 12" W

ST-CB 5
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 27+50 21.5' LT.
FL = 615.46
INV. 610.14 21" N & S
612.42 12" W

ST-CB 6
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 27+50 21.5' RT.
FL = 615.46
INV. 612.46 12" W
612.46 21" N & S

ST-CB 7
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 29+00 21.5' LT.
FL = 615.31
INV. 609.74 12" N & S

ST-CB 8
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 29+00 21.5' RT.
FL = 615.31
INV. 610.15 12" N & S

ST-CB 9
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 31+50 21.5' RT.
FL = 615.16
INV. 610.33 12" E & W
610.11 15" N

ST-CB 10
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 31+50 21.5' LT.
FL = 615.16
INV. 610.00 12" E
609.78 15" N & S

ST-CB 11
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 33+50 21.5' RT.
FL = 615.46
INV. 610.17 12" N & S

ST-CB 12
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 33+50 21.5' LT.
FL = 615.46
INV. 609.98 12" N & S

ST-CB 13
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 35+50 21.5' RT.
FL = 615.46
INV. 611.96 12" N & S

ST-CB 14
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 35+50 21.5' LT.
FL = 615.46
INV. 610.34 12" N & S

ST-CB 15
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 37+47 21.5' RT.
FL = 615.46
INV. 609.91 12" SW

ST-CB 16
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 37+50 21.5' LT.
FL = 615.46
INV. 611.50 12" N

CATCH BASINS
U.S. ROUTE 52

ST-CB 17
CATCH BASIN, TY A, TY 1 FR, OL
4' DIA.
STA. 37+85 33' RT.
RIM = 615.04±
INV. 610.08 24" S & W

ST-CB 18
CATCH BASIN, TY A, TY 1 FR, OL
4' DIA.
STA. 38+15 33' RT.
RIM = 615.04±
INV. 611.32 24" E & W

ST-CB 19
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 39+87 29' LT.
FL = 615.33
INV. 610.82 21" W & E

ST-CB 20
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 40+00 21.5' RT.
FL = 615.17
INV. 612.05 12" S & SE

ST-CB 21
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 40+35 29' LT.
FL = 615.25
INV. 610.93 12" W
611.50 12" E

ST-CB 22
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 42+05 21.5' LT.
FL = 615.85
INV. 612.78 12" S

ST-CB 23
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 42+05 21.5' RT.
FL = 615.85
INV. 611.94 12" N & SE

ST-CB 24
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 44+33 21.5' LT.
FL = 616.49
INV. 613.49 12" S & NW

ST-CB 25
CATCH BASIN, TY A, TY 24 F&G
2' DIA.
STA. 44+33 21.5' RT.
FL = 616.49
INV. 612.65 12" N & S

ST-CB 26
CATCH BASIN, TY A, TY 8 GR
4' DIA.
STA. 44+00 31.5' RT.
RIM = 614.30
INV. 611.50± 18" E & W

ST-CB 27
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 46+99 21.5' RT.
FL = 616.52
INV. 612.80 12" S

CATCH BASINS
RIVER ROAD

ST-CB 27A
CATCH BASIN, TY C, TY 11 F&G
2' DIA.
STA. 53+00 19' LT.
FL = 616.95
INV. 613.84 12" E & N

ST-CB 27
CATCH BASIN, TY C, TY 11 F&G
2' DIA.
STA. 56+25 21' LT.
FL = 615.26
INV. 611.72 12" E & W

INLETS
U.S. ROUTE 52

ST-IN 1
INLET, TY A, TY 24 F&G
STA. 27+44 21.5' RT.
FL = 613.48
INV. 612.49 12" E

ST-IN 2
INLET, TY A, TY 24 F&G
STA. 27+44 21.5' LT.
FL = 613.48
INV. 612.48 12" E

ST-IN 3
INLET, TY A, TY 1 FR (OL)
STA. 29+00 30' RT.
RIM = 613.85
INV. 610.25 12" N

ST-IN 4
INLET, TY A, TY 1 FR, OL
STA. 31+50 33' RT.
RIM = 613.80
INV. 610.45 12" N

ST-IN 5
INLET, TY A, TY 24 F&G
STA. 31+56 21.5' RT.
FL = 615.17
INV. 610.38 12" W

ST-IN 6
INLET, TY A, TY 24 F&G
STA. 31+56 21.5' LT.
FL = 615.17
INV. 610.05 12" W

ST-IN 7
INLET, TY A, TY 1, OL
STA. 33+50 35' RT.
RIM = 612.75
INV. 610.23 12" W

ST-IN 8
INLET, TY A, TY 1 FR (OL)
STA. 40+35 56' LT.
RIM = 613.10
INV. 611.05 12" S

ST-IN 9
INLET, TY A, TY 8 GR
STA. 40+10 29' RT.
RIM = 613.55
INV. 611.11 12" NW

ST-IN 10
INLET, TY A, TY 8 GR
STA. 40+58 29' LT.
RIM = 615.00
INV. 611.73 12" W

ST-IN 11
INLET, TY A, TY 8, GR
STA. 44+00 30' LT.
RIM = 615.20
INV. 613.64 12" SE

INLETS
RIVER ROAD

ST-IN 12A
INLET, TY A, TY 11 F&G
STA. 53+00 19' LT.
FL = 616.95
INV. 614.20 12" W

ST-IN 12
INLET, TY A, TY 11 F&G
STA. 56+25 21' RT.
FL = 615.26
INV. 612.25 12" W

FLARED END SECTIONS
U.S. ROUTE 52

ST-FES 1
RCP 12"
STA. 24+35 39' RT.
INV. 613.07 12" E

ST-FES 2
RCP 21"
STA. 27+50 35' RT.
INV. 613.60 21" N

ST-FES 3
RCP 12"
STA. 27+50 29' LT.
INV. 609.68 21" S

ST-FES 4
RCP 12"
STA. 29+00 35' LT.
INV. 609.59 12" S

ST-FES 5
RCP 15"
STA. 31+50 35' LT.
INV. 609.67 15" S

ST-FES 6
RCP 12"
STA. 33+50 33' LT.
INV. 609.92 12" S

ST-FES 7
RCP 12"
STA. 35+50 32' RT.
INV. 613.60 12" N

ST-FES 8
RCP 12"
STA. 35+50 32' LT.
INV. 609.97 12" S

ST-FES 9
RCP 18"
STA. 37+19 60' RT.
INV. 612.10 18" N

ST-FES 10
RCP 12"
STA. 37+50 40' LT.
INV. 609.90± 12" S

ST-FES 11
RCP 24"
STA. 38+45 33' RT.
INV. 613.55 24" W

ST-FES 12
RCP 36"
STA. 38+09 35' RT.
INV. 608.30 36" SE

ST-FES 13
RCP 12"
STA. 39+84 29' LT.
INV. 610.78 12" E

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

Baxter & Woodman
Crystal Lake, Illinois 815.459.1260
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.3111
Grayslake, Illinois 847.223.5088
Rockford, Illinois 815.489.1551

U.S. ROUTE 52 AND
RIVER ROAD
DRAINAGE STRUCTURE SCHEDULE

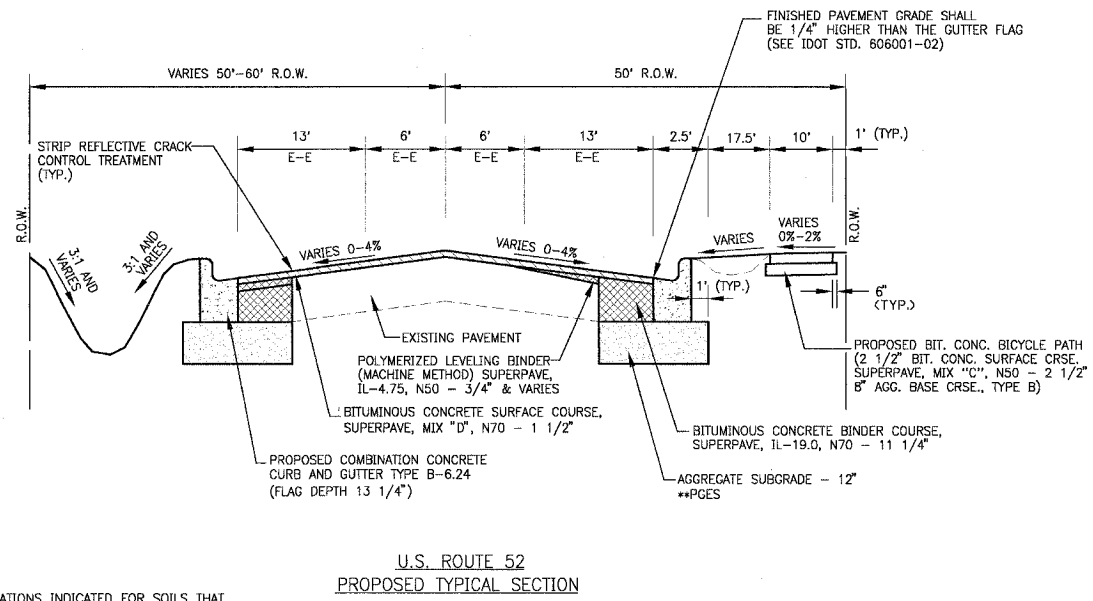
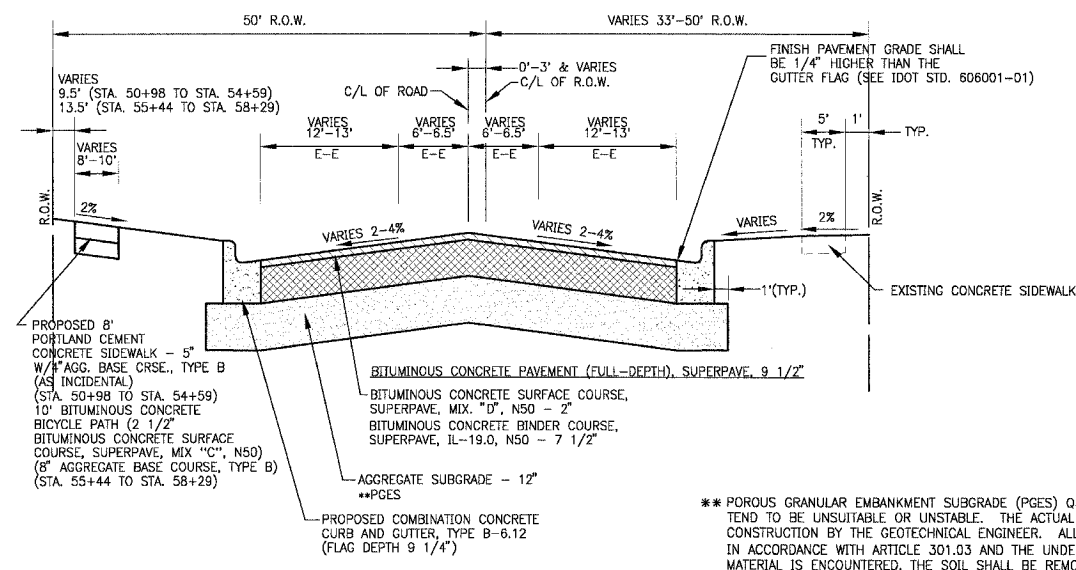
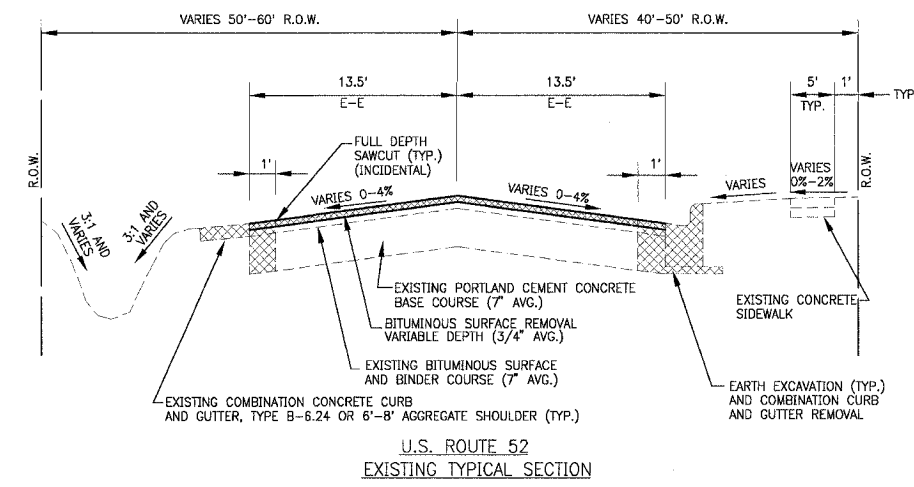
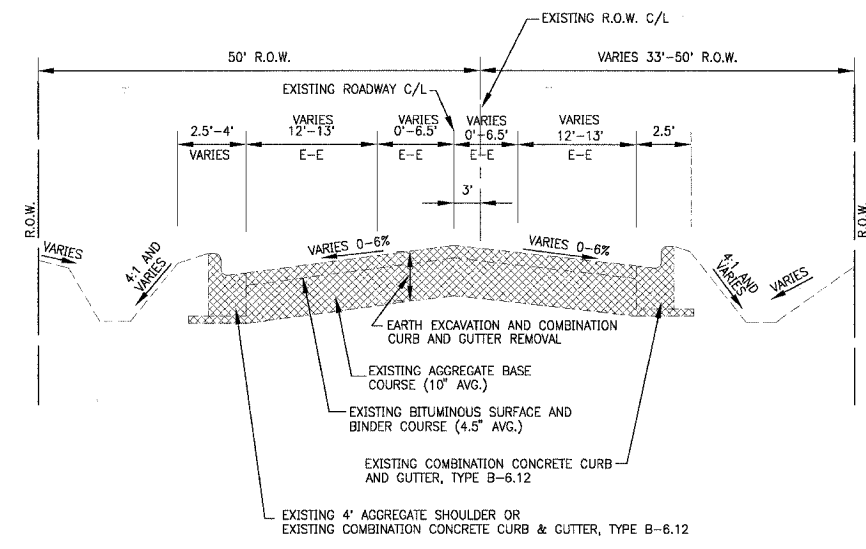
DESIGNED BY	LDH	SCALE	NONE
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	
DATE	10-05-04		

1:\S-HRMD\010665\DWG\10665-CRNG-SCHEDULE.dwg
Plotted: 10-15-04 @ 09:56:49 by: 231dub
Copyright © 2004, By Baxter & Woodman, Inc.
State of Illinois - Professional Design Firm
License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS





** POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) QUANTITY HAS BEEN INCLUDED IN CONTRACT FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH PGE OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

ITEM	AC TYPE	VOIDS	RAP %
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70	PG 64-22	4% @ 70 Gyr	15%
BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N50	PG 58-22	4% @ 50 Gyr	25%
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	PG 64-22	4% @ 70 Gyr	10%
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N50	PG 64-22	4% @ 50 Gyr	15%
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	PG 64-22	4% @ 50 Gyr	15%
POLYMERIZED LEVELING BINDER (MACHINE METHOD) SUPERPAVE, IL-4.75, N50	SBS/SBR PG76-26	2.5% @ 50 Gyr	0%
BITUMINOUS BASE COURSE, SUPERPAVE	PG 58-22	2% @ 50 Gyr	50%
CLASS D PATCHES, 14 - INCH	PG 64-22	4% @ 70 Gyr	15%
INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE	PG 64-22	4% @ 50 Gyr	15%

STRUCTURAL DESIGN DATA

STREET	STRUCTURAL DESIGN TRAFFIC 2015			STREET CLASS	TRAFFIC FACTOR	SSR	TEMP	STRAIN	AC	EAC	REQ'D BIT. THICKNESS	MECHANISTIC PAVEMENT DESIGN
	PV	SU	MU									
U.S. ROUTE 52	5424	154	450	II	3.83	PODR	78°F	69	PG 58-22	500	13.5'	1 1/2" BIT. CONC. SURF. CRSE., SUPERPAVE, MIX D, N70 3/4" POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50 1 1/4" BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19, N70 12" AGGREGATE SUBGRADE
RIVER ROAD	3336	70	70	II	0.71	PODR	78°F	118	PG 58-22	500	9.50'	2" BIT. CONC. SURF. CRSE., SUPERPAVE, MIX D, N50 7 1/2" BIT. CONC. BINDER CRSE., SUPERPAVE, IL-19, N50 12" AGGREGATE SUBGRADE

COPYRIGHT © 2005, BY BAXTER & WOODMAN, INC. ALL RIGHTS RESERVED. ILLINOIS LICENSE NO. 011-0113. ILLINOIS LICENSE NO. 011-0113. ILLINOIS LICENSE NO. 011-0113.

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: 10665 TYPSEC.DWG PLOTTED BY: UKB 04/JAN/05 11:15

BAXTER & WOODMAN
Consulting Engineers

Baxter & Woodman
Crystal Lake, Illinois 815.459.1260
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.3111
Grayslake, Illinois 847.223.6088
Rockford, Illinois 815.488.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

STRUCTURAL DESIGN DATA AND TYPICAL SECTIONS

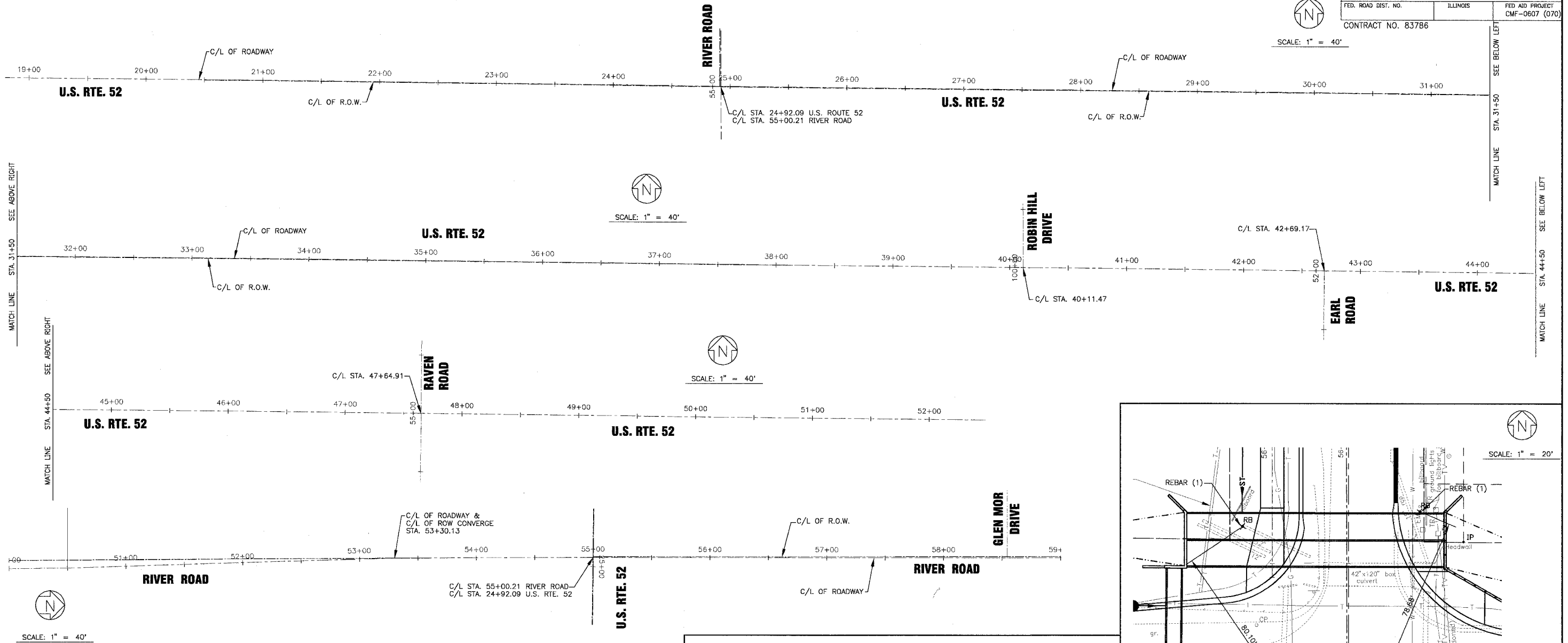
DESIGNED BY: LDH
DRAWN BY: DEK
CHECKED BY: LDH
DATE: 10-05-04

SCALE: NONE
PROJECT NO.: 010665
SHEET NO.: 9 OF 85

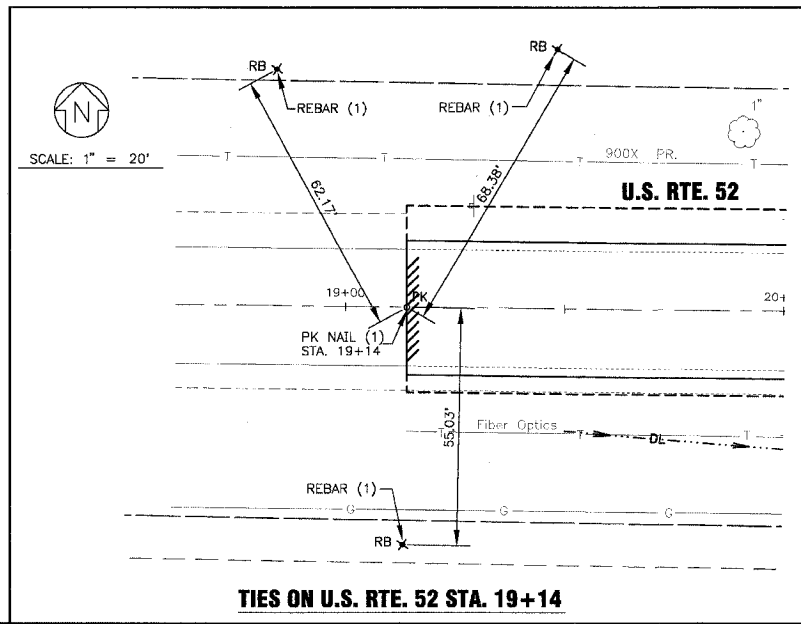
F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT CMF-0607 (070)		

CONTRACT NO. 83786

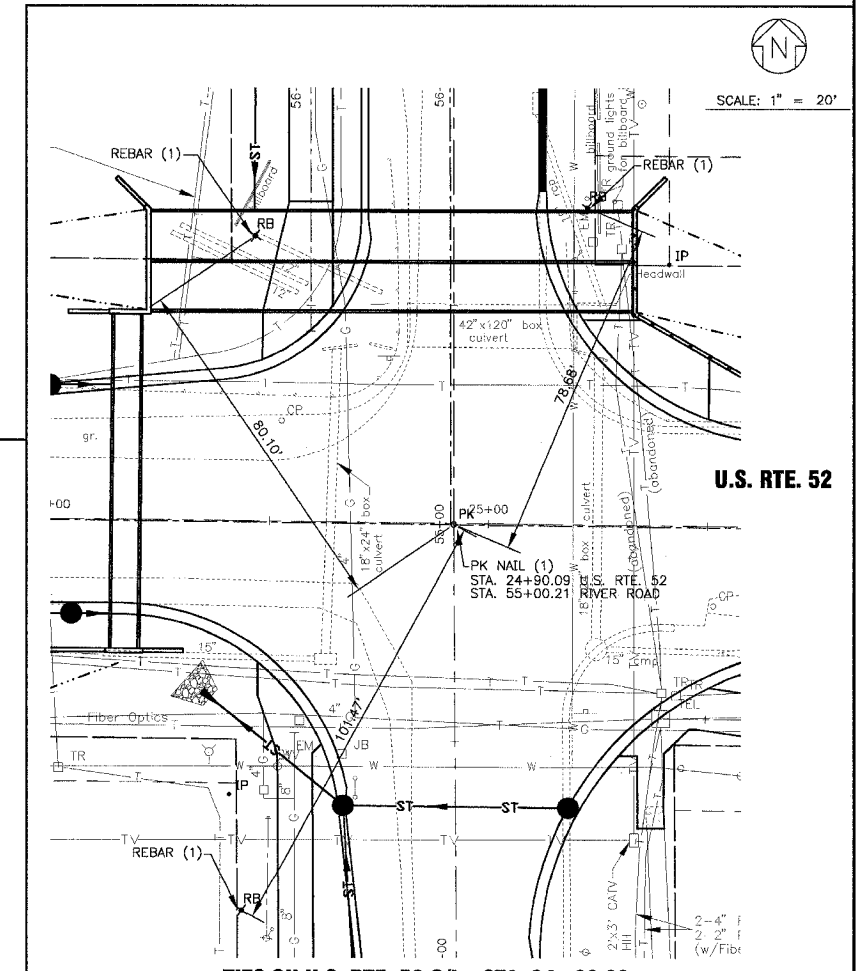
SCALE: 1" = 40'



SCALE: 1" = 40'



TIES ON U.S. RTE. 52 STA. 19+14



TIES ON U.S. RTE. 52 C/L - STA. 24+90.09
TIES ON RIVER ROAD C/L - STA. 55+00.21

BENCHMARK LIST

- BM#6 SQUARE CUT IN TOP OF HEADWALL AT SOUTHWEST CORNER OF HEADWALL AT NORTHEAST CORNER OF RTE. 52 AND RIVER ROAD. ELEV. = 618.19
- BM#7 "X" MARKED IN WEST HEADWALL AT DRIVEWAY 15± 60' LT. AND 3± FROM SOUTHWEST OF HEADWALL. ELEV. = 616.15
- BM#8 PAINTED "X" ON CONCRETE PAD BY PHONE CABINET SOUTHWEST CORNER OF EARL AND RTE. 52 NEAR NORTH-WEST CORNER OF PAD. ELEV. = 615.21

I:\SHEDDY\010665\DWG\510665-115.dwg
 Plotted: 12-15-04 @ 10:11am By: 231ukb
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 164-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

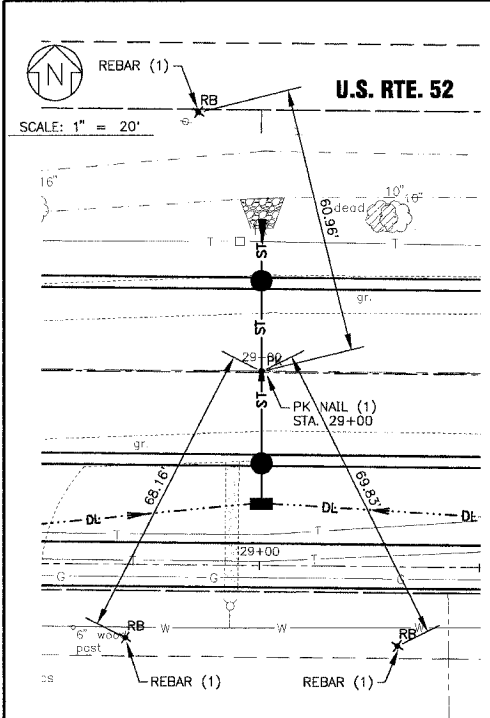
BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Crystal Lake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

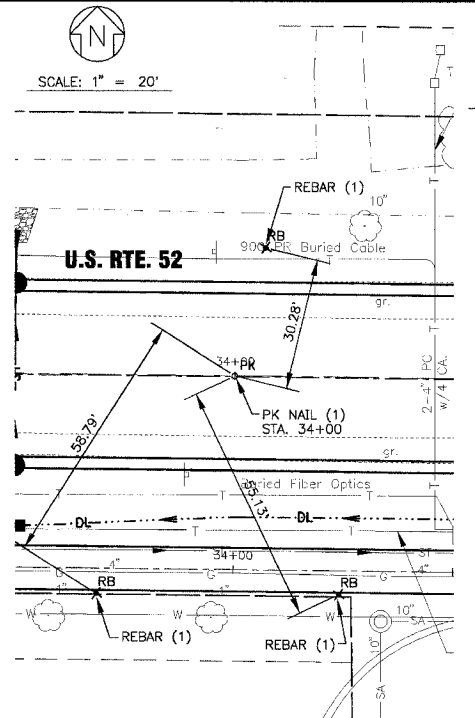
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

DESIGNED BY	LDH	SCALE	HORIZ: 1"=40'
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	10 OF 85
DATE	10-05-04		

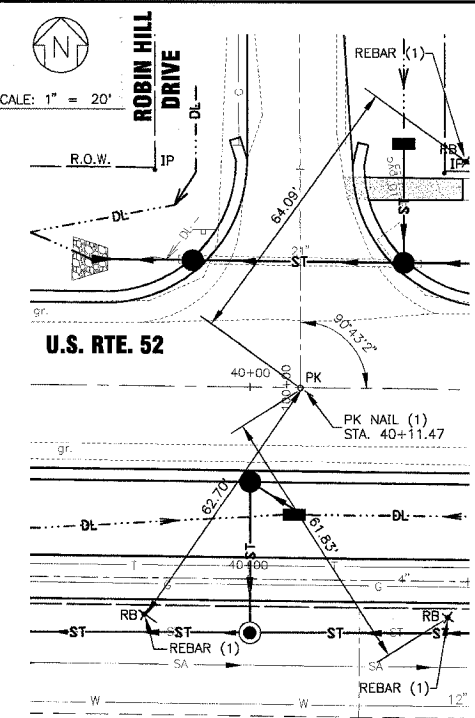
F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	11
STA.	TO STA.	ILLINOIS	FED AID PROJECT	
			CMF-0607 (070)	
CONTRACT NO. 83786				



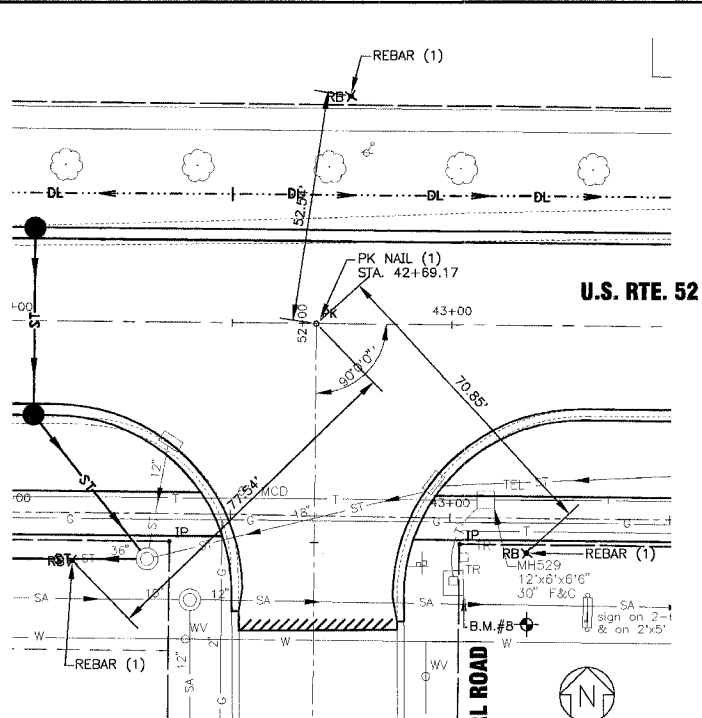
TIES ON U.S. RTE. 52 STA. 29+00



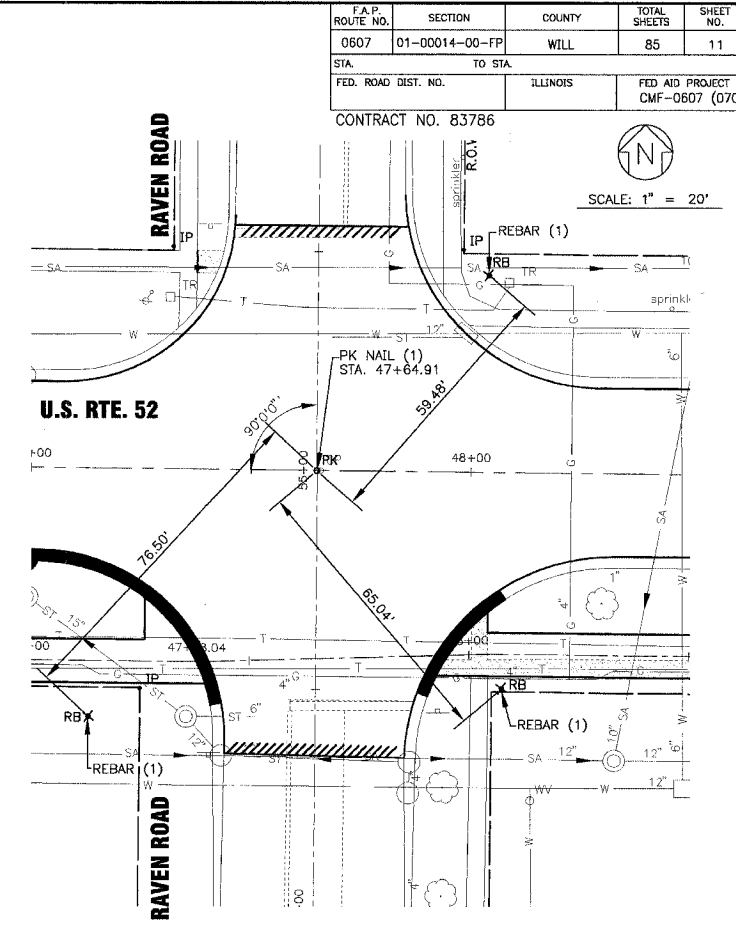
TIES ON U.S. RTE. 52 STA. 34+00



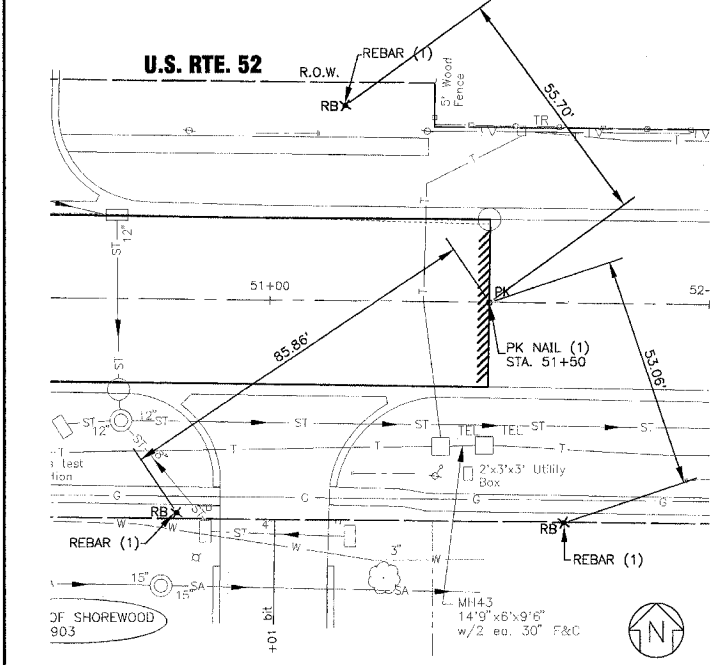
TIES ON U.S. RTE. 52 STA. 40+11.47



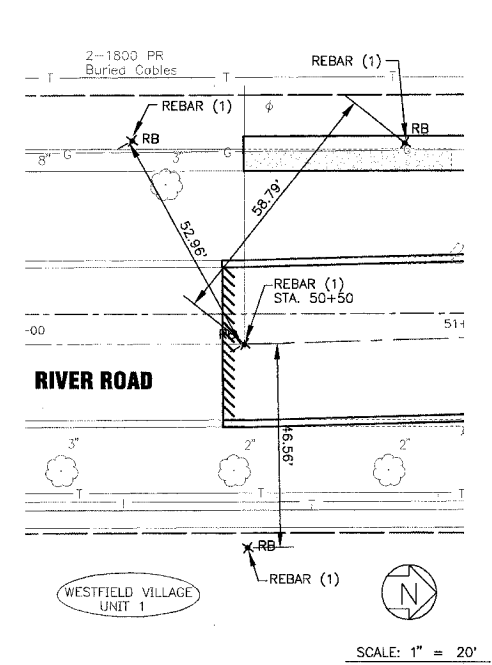
TIES ON U.S. RTE. 52 STA. 42+69.17



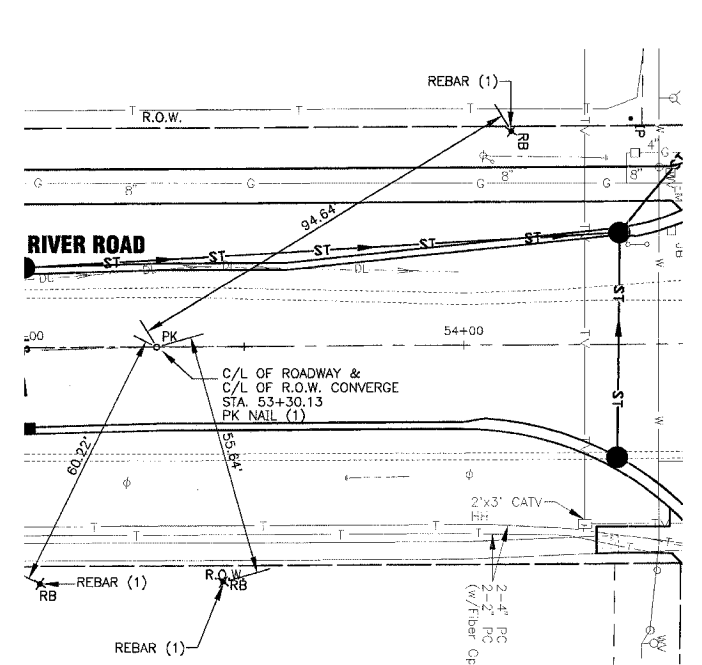
TIES ON U.S. RTE. 52 STA. 47+64.91



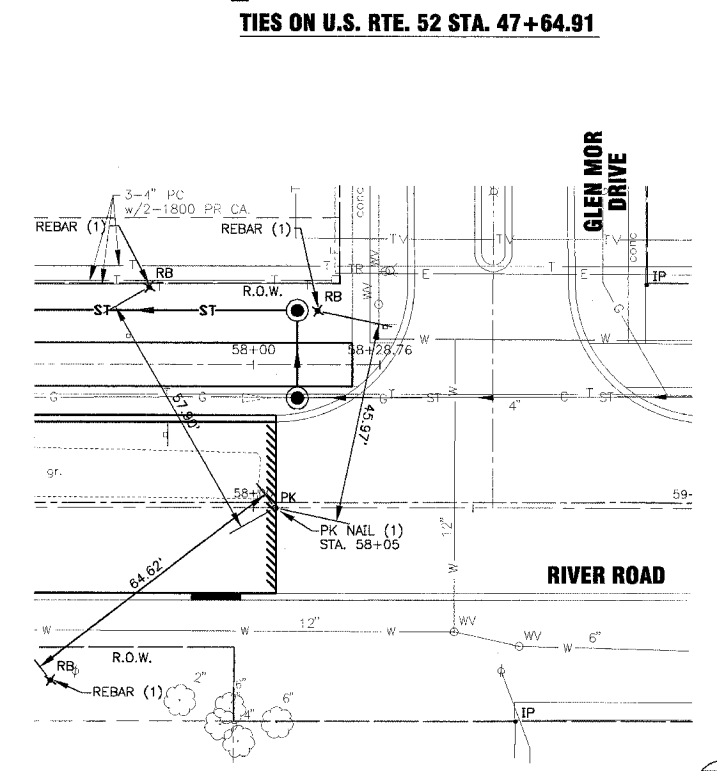
TIES ON U.S. RTE. 52 STA. 51+50



TIES ON RIVER ROAD STA. 50+50



TIES ON RIVER ROAD STA. 50+50



TIES ON RIVER ROAD STA. 58+05

I:\SHRWIN\010665\DWGS\10665-TIES.dwg
 Plotted: 12-15-04 @ 10:12am By: 231ukb
 Copyright © 2004, By: Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 154-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: PLOTTED BY:

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Craystone, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

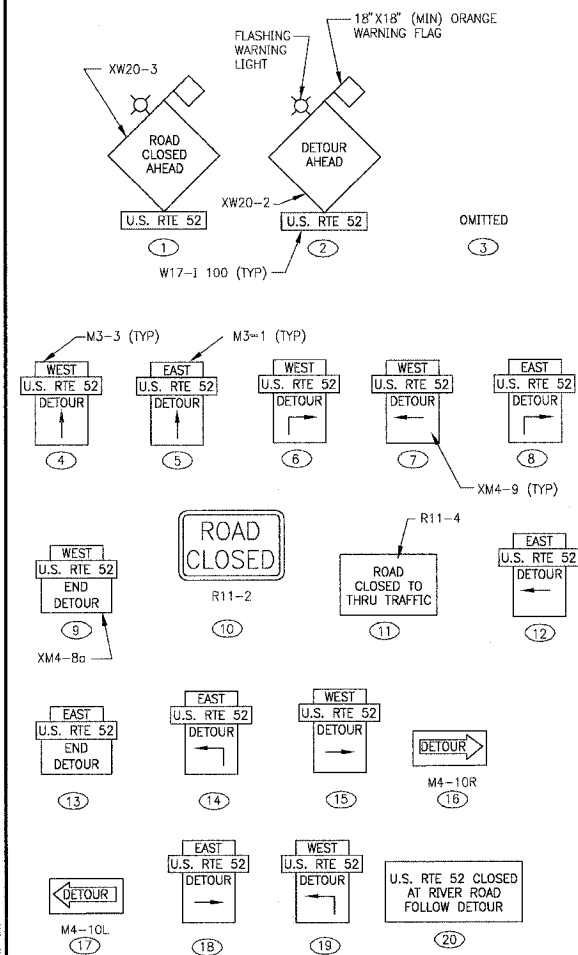
ALIGNMENT AND TIES
ON U.S. ROUTE 52 AND
RIVER ROAD

DESIGNED BY	LDH	SCALE	HORIZ: 1"=40'
DRAWN BY	LKB	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	
DATE	10-05-04	11 OF 85	

GENERAL NOTES - ALL STAGES

- EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES WITHIN THE CONSTRUCTION WORK ZONE.
- THE CONTRACTOR SHALL PROVIDE A WRITTEN SEQUENCE OF CONSTRUCTION WITHIN 10 DAYS OF THE CONTRACT AWARD.
- THE SUGGESTED SEQUENCING'S INTENT IS TO COMPLETE THE STAGE 1 SECTION WITH MINIMAL LOSS OF ACCESS TO LOCAL BUSINESSES AND RESIDENCES, AND TO ASSURE THAT NO TWO-WAY CLOSURES ARE TO BE IN PLACE DURING WINTER SHUTDOWN SEASON IN COMPLIANCE WITH THE PROSECUTION AND PROGRESS SPECIAL PROVISIONS OF THE CONTRACT. UPON COMPLETION OF STAGE 1, STAGE 2 REQUIRES TWO-WAY TRAFFIC TO BE OPENED AND MAINTAINED AT ALL TIMES. ALL WORK NECESSARY TO COMPLY WITH THE INTENT OF THE PLAN IS CONSIDERED INCIDENTAL TO THE ITEM OF TRAFFIC CONTROL AND PROTECTION. THE CONTRACTOR SHALL COMPLY WITH ARTICLE 442.04 OF THE STANDARD SPECIFICATIONS, AND WORK TO BE IN ACCORDANCE WITH APPLICABLE STANDARDS.
- FURNISHING, PLACEMENT, RELOCATION, AND REMOVAL OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER, AND SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.
- THE COST FOR TEMPORARY PAVEMENT MARKING IN ACCORDANCE WITH THE APPLICABLE STANDARDS IS INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION ITEM. ADDITIONAL QUANTITY HAS BEEN INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION ITEM. ADDITIONAL QUANTITY HAS BEEN INCLUDED IN THE PLAN WHERE MODIFICATIONS TO THE EXISTING PAVEMENT MARKINGS ARE REQUIRED. COSTS FOR REMOVAL OF WORK ZONE PAVEMENT MARKINGS (PLACED PER APPLICABLE STANDARD OR AS SHOWN IN PLAN) SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL AND PROTECTION PAY ITEM.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 11' CLEAR ROADWAY PER DIRECTION OF TRAFFIC FLOW. INGRESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED. THIS WORK SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.
- ANY SHORT TERM ACTIVITY NECESSARY WHICH REQUIRES ENCROACHMENT ON TO THE LANE(S) OPEN TO TRAFFIC SHALL BE RESTRICTED TO WITHIN THE HOURS FROM 9:00 AM TO 3:00 PM. THESE CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS.
- THE MAINTENANCE OF THE SHOULDERS AND DRAINAGE FACILITIES SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION.
- TWO TYPES B FLASHING LIGHTS CONFORMING TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION, SHALL BE PLACED ON EACH TYPE III BARRICADE.

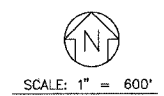
SUGGESTED SEQUENCE OF CONSTRUCTION



SIGN DETAILS

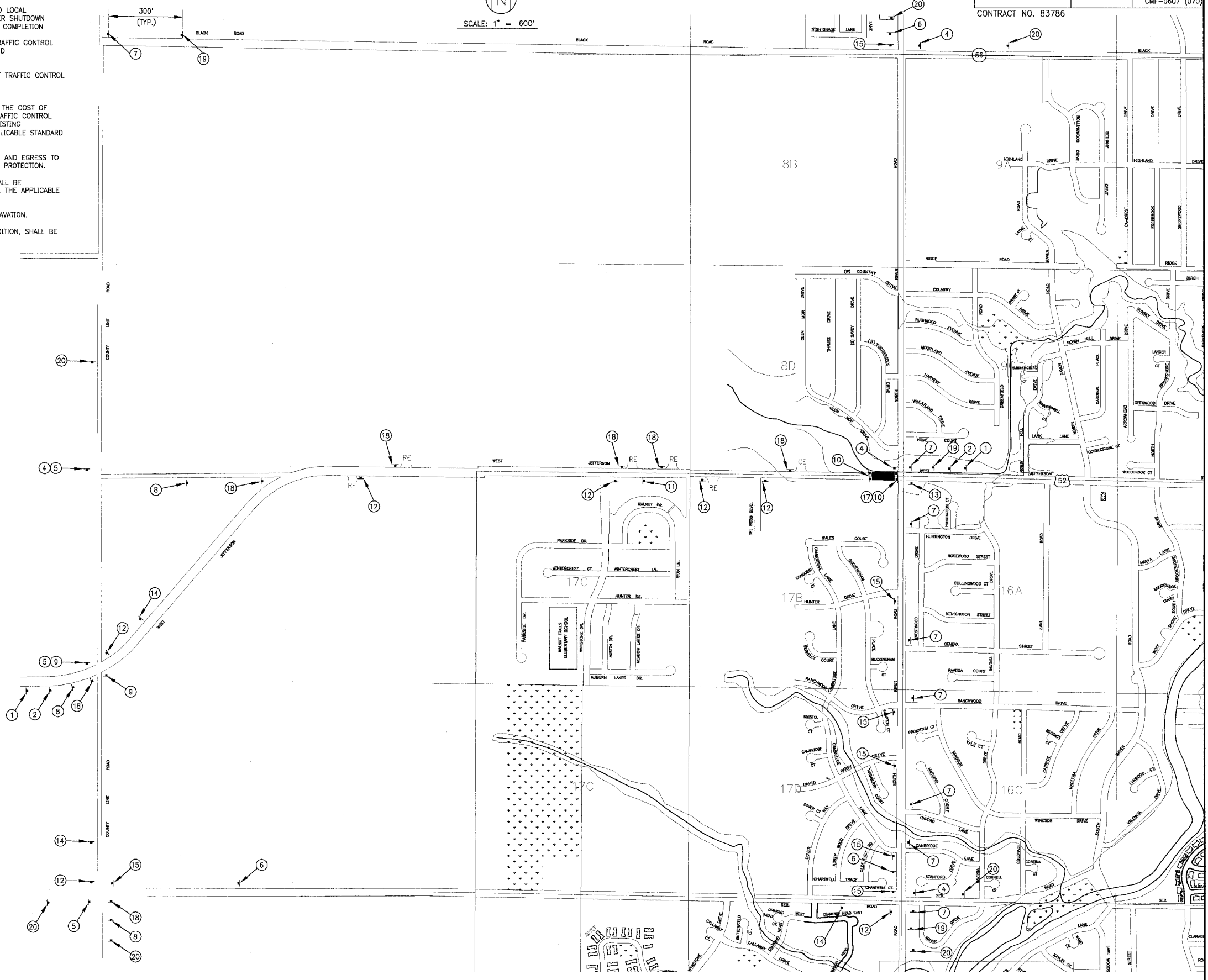
(SEE LOCAL DETOUR PLAN FOR LOCATIONS)

NOTE: TWO TYPE B FLASHING LIGHTS CONFORMING TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION, SHALL BE PLACED ON EACH TYPE III BARRICADE.



F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT CMF-0607 (070)		

CONTRACT NO. 83786



I:\SHRWD\010665\DWG\10665-M11.dwg
 Plotted: 1-04-05 @ 11:35am By: 231ukb
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-031121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Craystake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

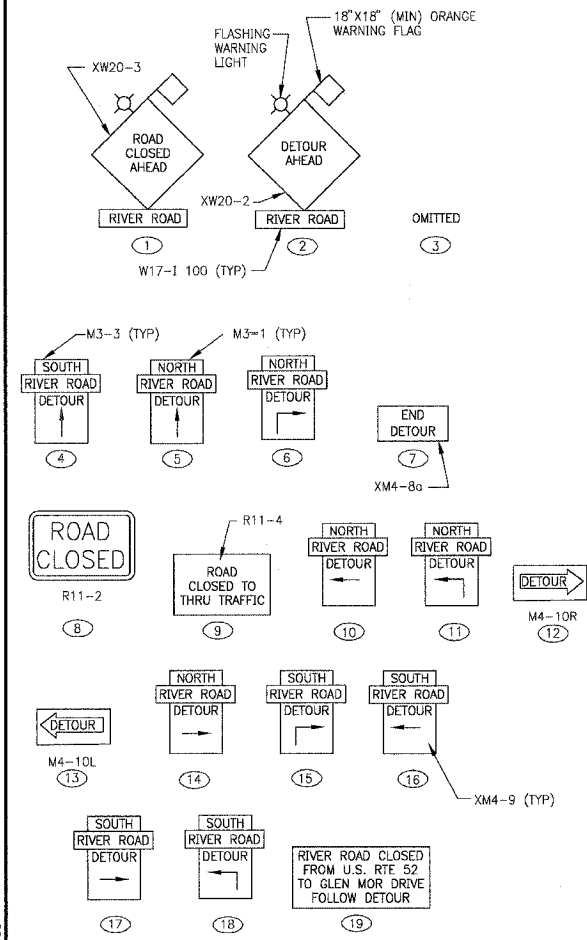
MAINTENANCE OF TRAFFIC
STAGE 1
U.S. ROUTE 52 CLOSURE

DESIGNED BY	LDH	SCALE	AS NOTED
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	12 OF 85
DATE	10-05-04		

GENERAL NOTES - ALL STAGES

- EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES WITHIN THE CONSTRUCTION WORK ZONE.
- THE CONTRACTOR SHALL PROVIDE A WRITTEN SEQUENCE OF CONSTRUCTION WITHIN 10 DAYS OF THE CONTRACT AWARD.
- THE SUGGESTED SEQUENCING'S INTENT IS TO COMPLETE THE STAGE 1 SECTION WITH MINIMAL LOSS OF ACCESS TO LOCAL BUSINESSES AND RESIDENCES, AND TO ASSURE THAT NO TWO-WAY CLOSURES ARE TO BE IN PLACE DURING WINTER SHUTDOWN SEASON IN COMPLIANCE WITH THE PROSECUTION AND PROGRESS SPECIAL PROVISIONS OF THE CONTRACT. UPON COMPLETION OF STAGE 1, STAGE 2 REQUIRES TWO-WAY TRAFFIC TO BE OPENED AND MAINTAINED AT ALL TIMES. ALL WORK NECESSARY TO COMPLY WITH THE INTENT OF THE PLAN IS CONSIDERED INCIDENTAL TO THE ITEM OF TRAFFIC CONTROL AND PROTECTION. THE CONTRACTOR SHALL COMPLY WITH ARTICLE 442.04 OF THE STANDARD SPECIFICATIONS, AND WORK TO BE IN ACCORDANCE WITH APPLICABLE STANDARDS.
- FURNISHING, PLACEMENT, RELOCATION, AND REMOVAL OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER, AND SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.
- THE COST FOR TEMPORARY PAVEMENT MARKING IN ACCORDANCE WITH THE APPLICABLE STANDARDS IS INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION ITEM. ADDITIONAL QUANTITY HAS BEEN INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION ITEM. ADDITIONAL QUANTITY HAS BEEN INCLUDED IN THE PLAN WHERE MODIFICATIONS TO THE EXISTING PAVEMENT MARKINGS ARE REQUIRED. COSTS FOR REMOVAL OF WORK ZONE PAVEMENT MARKINGS (PLACED PER APPLICABLE STANDARD OR AS SHOWN IN PLAN) SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL AND PROTECTION PAY ITEM.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 11' CLEAR ROADWAY PER DIRECTION OF TRAFFIC FLOW. INGRESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED. THIS WORK SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.
- ANY SHORT TERM ACTIVITY NECESSARY WHICH REQUIRES ENCROACHMENT ON TO THE LANE(S) OPEN TO TRAFFIC SHALL BE RESTRICTED TO WITHIN THE HOURS FROM 9:00 AM TO 3:00 PM. THESE CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS.
- THE MAINTENANCE OF THE SHOULDERS AND DRAINAGE FACILITIES SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION.
- TWO TYPES B FLASHING LIGHTS CONFORMING TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION, SHALL BE PLACED ON EACH TYPE III BARRICADE.

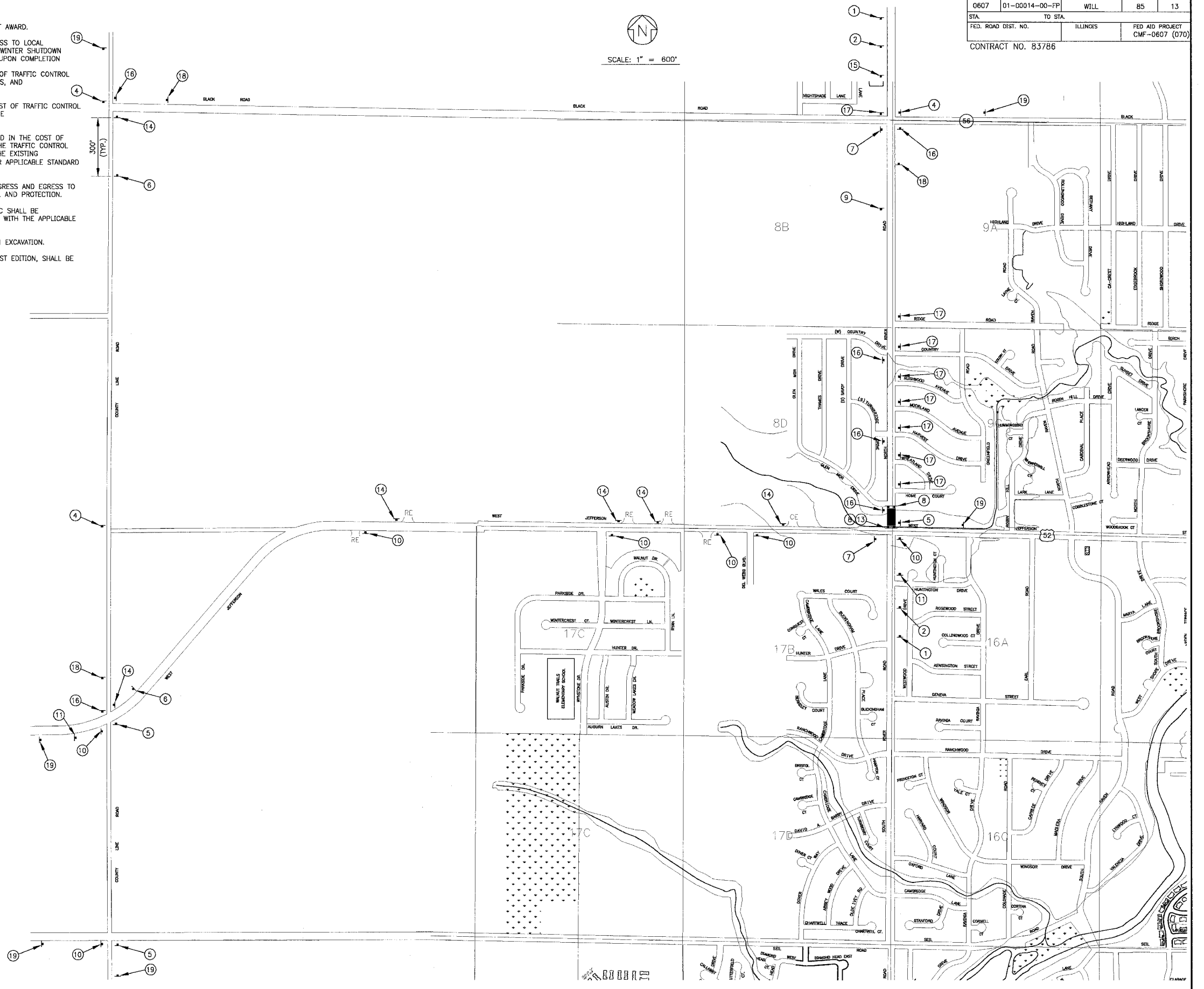
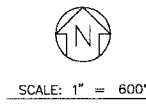
SUGGESTED SEQUENCE OF CONSTRUCTION



SIGN DETAILS

(SEE LOCAL DETOUR PLAN FOR LOCATIONS)
 NOTE: TWO TYPE B FLASHING LIGHTS CONFORMING TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION, SHALL BE PLACED ON EACH TYPE III BARRICADE.

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-0014-00-FP	WILL.	85	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT CMF-0607 (070)		
CONTRACT NO. 83786				



I:\SHR\010665\DWG\10665-MGT.dwg
 Plotted: 1-04-05 @ 11:39am By: 231:akh
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 01-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: PLOTTED BY:

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graystake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

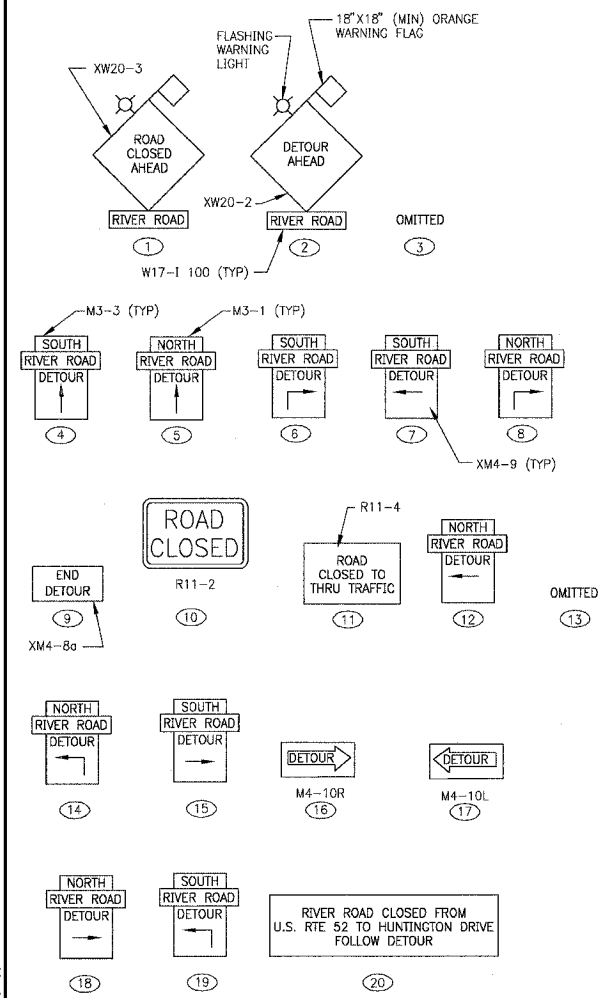
MAINTENANCE OF TRAFFIC
STAGE 2
NORTH RIVER ROAD CLOSURE

DESIGNED BY	SCALE
LDH	AS NOTED
DRAWN BY	PROJECT NO.
UKB	010665
CHECKED BY	SHEET NO.
LDH	
DATE	
10-05-04	13 OF 85

GENERAL NOTES - ALL STAGES

- EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES WITHIN THE CONSTRUCTION WORK ZONE.
- THE CONTRACTOR SHALL PROVIDE A WRITTEN SEQUENCE OF CONSTRUCTION WITHIN 10 DAYS OF THE CONTRACT AWARD.
- THE SUGGESTED SEQUENCING'S INTENT IS TO COMPLETE THE STAGE 1 SECTION WITH MINIMAL LOSS OF ACCESS TO LOCAL BUSINESSES AND RESIDENCES, AND TO ASSURE THAT NO TWO-WAY CLOSURES ARE TO BE IN PLACE DURING WINTER SHUTDOWN SEASON IN COMPLIANCE WITH THE PROSECUTION AND PROGRESS SPECIAL PROVISIONS OF THE CONTRACT. UPON COMPLETION OF STAGE 1, STAGE 2 REQUIRES TWO-WAY TRAFFIC TO BE OPENED AND MAINTAINED AT ALL TIMES. ALL WORK NECESSARY TO COMPLY WITH THE INTENT OF THE PLAN IS CONSIDERED INCIDENTAL TO THE ITEM OF TRAFFIC CONTROL AND PROTECTION. THE CONTRACTOR SHALL COMPLY WITH ARTICLE 442.04 OF THE STANDARD SPECIFICATIONS, AND WORK TO BE IN ACCORDANCE WITH APPLICABLE STANDARDS.
- FURNISHING, PLACEMENT, RELOCATION, AND REMOVAL OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER, AND SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.
- THE COST FOR TEMPORARY PAVEMENT MARKING IN ACCORDANCE WITH THE APPLICABLE STANDARDS IS INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION ITEM. ADDITIONAL QUANTITY HAS BEEN INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION ITEM. ADDITIONAL QUANTITY HAS BEEN INCLUDED IN THE PLAN WHERE MODIFICATIONS TO THE EXISTING PAVEMENT MARKINGS ARE REQUIRED. COSTS FOR REMOVAL OF WORK ZONE PAVEMENT MARKINGS (PLACED PER APPLICABLE STANDARD OR AS SHOWN IN PLAN) SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL AND PROTECTION PAY ITEM.
- THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 11' CLEAR ROADWAY PER DIRECTION OF TRAFFIC FLOW. INGRESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED. THIS WORK SHALL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION.
- ANY SHORT TERM ACTIVITY NECESSARY WHICH REQUIRES ENCROACHMENT ON TO THE LANE(S) OPEN TO TRAFFIC SHALL BE RESTRICTED TO WITHIN THE HOURS FROM 9:00 AM TO 3:00 PM. THESE CLOSURES SHALL BE IN ACCORDANCE WITH THE APPLICABLE STANDARDS.
- THE MAINTENANCE OF THE SHOULDERS AND DRAINAGE FACILITIES SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION.
- TWO TYPES B FLASHING LIGHTS CONFORMING TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION, SHALL BE PLACED ON EACH TYPE III BARRICADE.

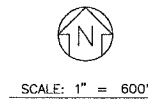
SUGGESTED SEQUENCE OF CONSTRUCTION



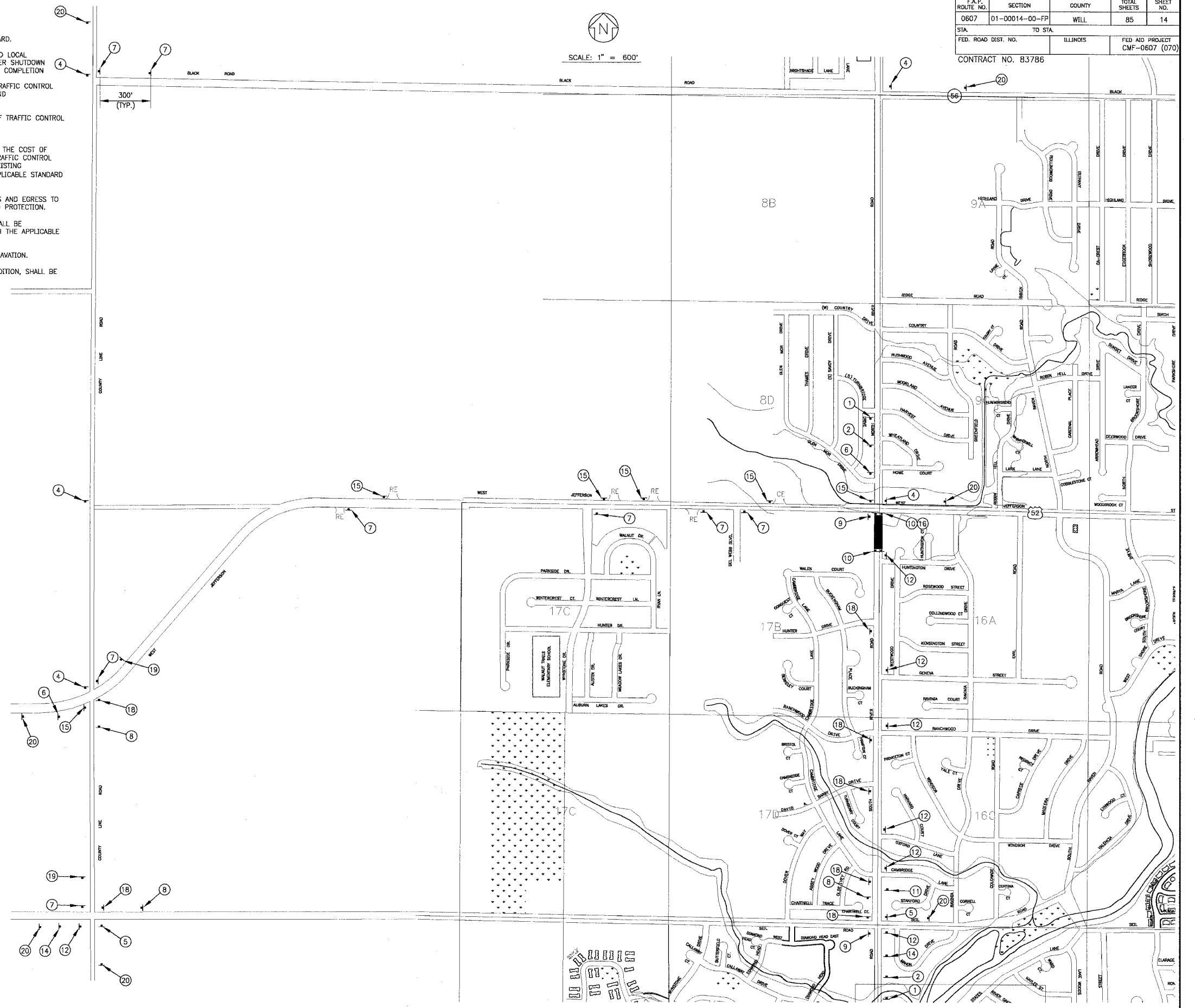
SIGN DETAILS

(SEE LOCAL DETOUR PLAN FOR LOCATIONS)

NOTE: TWO TYPE B FLASHING LIGHTS CONFORMING TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION, SHALL BE PLACED ON EACH TYPE III BARRICADE.



F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	14
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED AID PROJECT	CMF-0607 (070)
CONTRACT NO. 83786				



I:\SHRMD\010665\DWG\10665-MOT.dwg
 Plotted: 1-04-05 @ 11:42am By: 231lab
 Copyright © 2004 By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: _____ PLOTTED BY: _____



Baxter & Woodman
 Crystal Lake, Illinois 815.459.1280
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

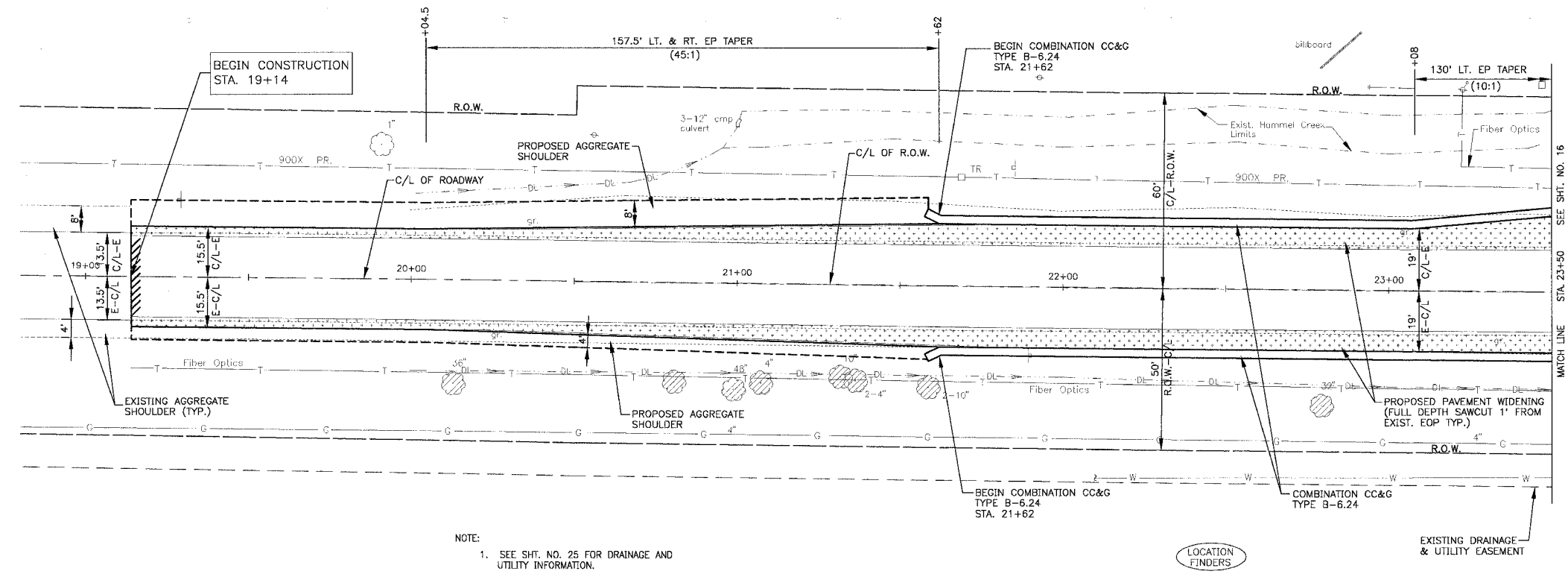
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

MAINTENANCE OF TRAFFIC
STAGE 3
SOUTH RIVER ROAD CLOSURE

DESIGNED BY	SCALE
LDH	AS NOTED
DRAWN BY	PROJECT NO.
UKB	010665
CHECKED BY	SHEET NO.
LDH	14 OF 85
DATE	
10-05-04	

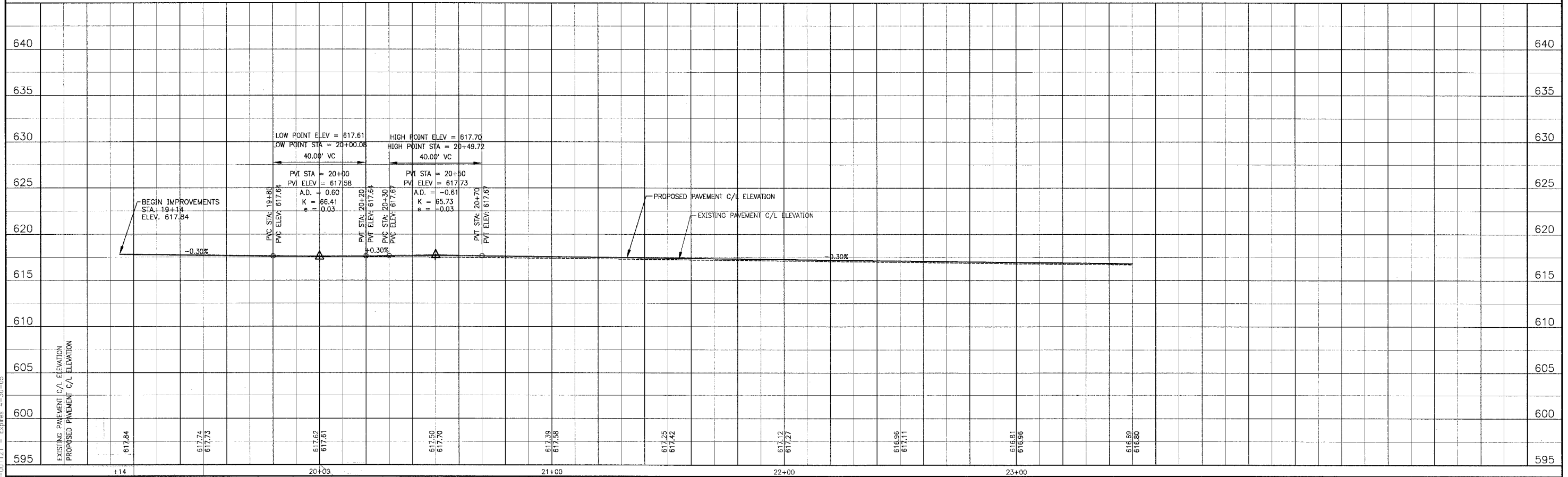


SCALE: 1" = 20'



NOTE:
1. SEE SHT. NO. 25 FOR DRAINAGE AND UTILITY INFORMATION.

U.S. RTE. 52



I.A. SHIRKIN/CLOSURE/DMCS/10665-PRF/REV
 P:\12-15-04\10-146-01\10-146-01.dwg
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

BAXTER & WOODMAN
 Consulting Engineers
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.6088
 Rockford, Illinois 815.489.1551

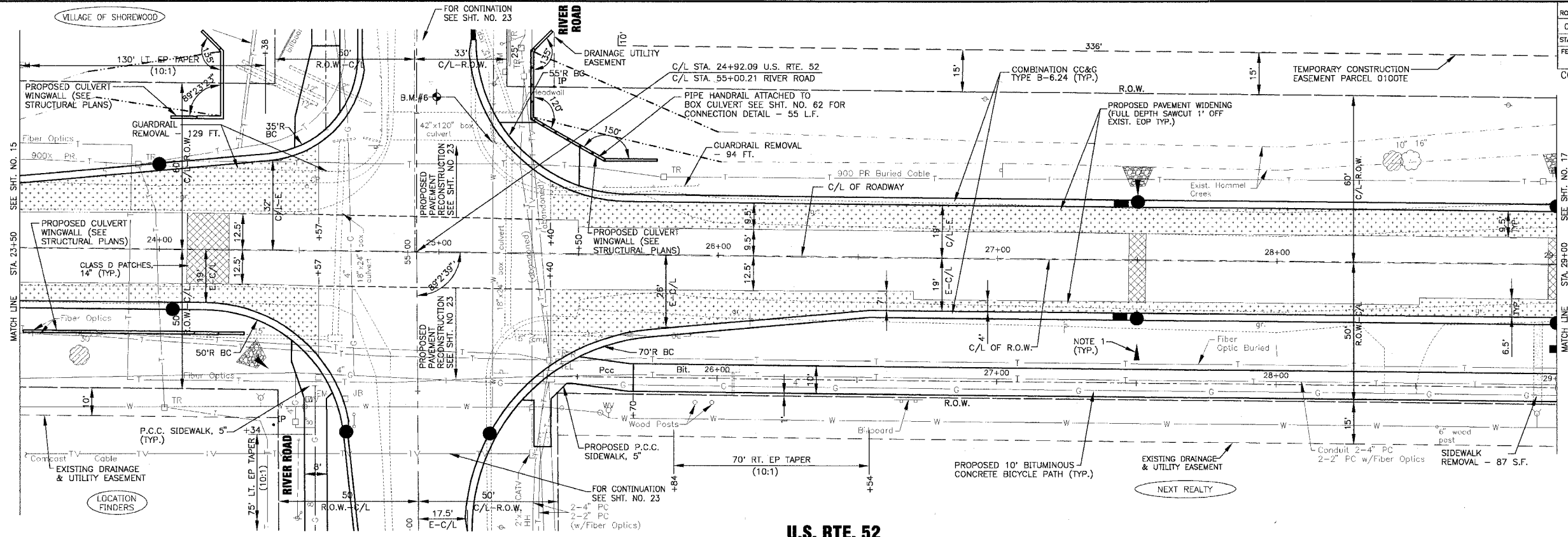
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

US. ROUTE 52
STA. 19+00 TO STA. 23+50
GEOMETRIC PLAN

DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY UKB	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 15 OF 85



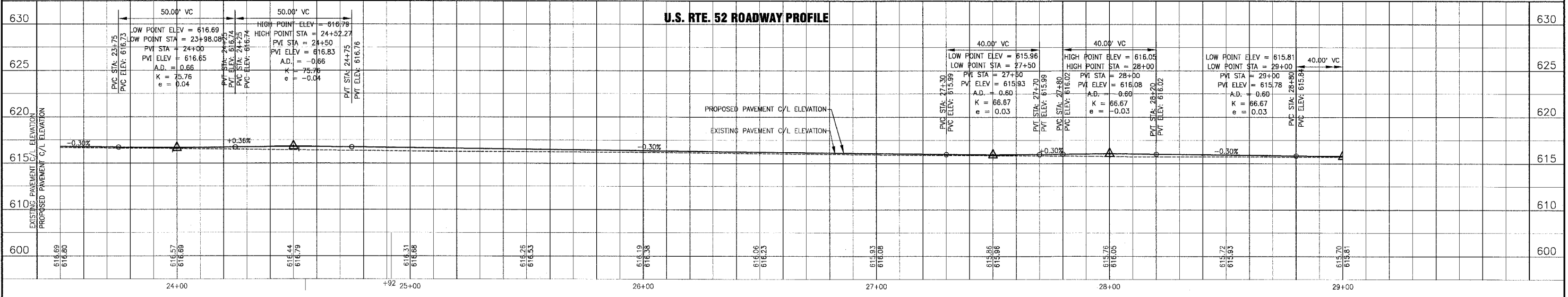
SCALE: 1" = 20'



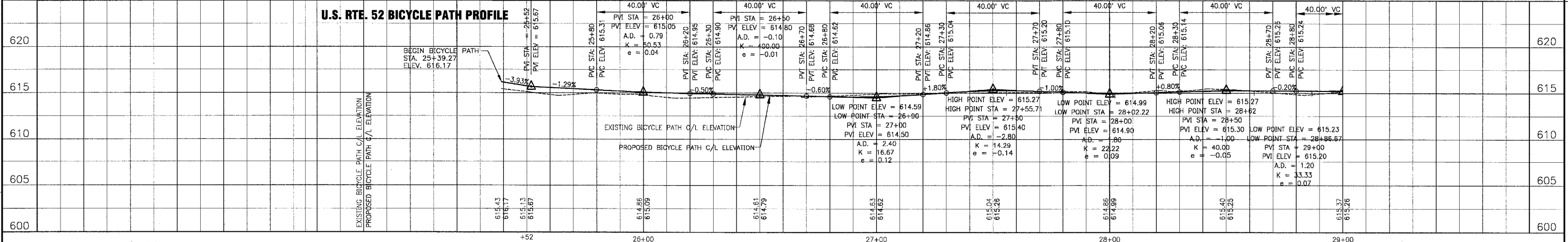
NOTE:
1. SEE SHT. NO. 26 FOR DRAINAGE AND UTILITY INFORMATION.

U.S. RTE. 52

U.S. RTE. 52 ROADWAY PROFILE



U.S. RTE. 52 BICYCLE PATH PROFILE



I:\SHRWD\010665\DWG\10665-PRF.dwg
 Plotted: 12-15-04 @ 10:15am By: 231ub
 Copyright © 2004, By: Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1280
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1651

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

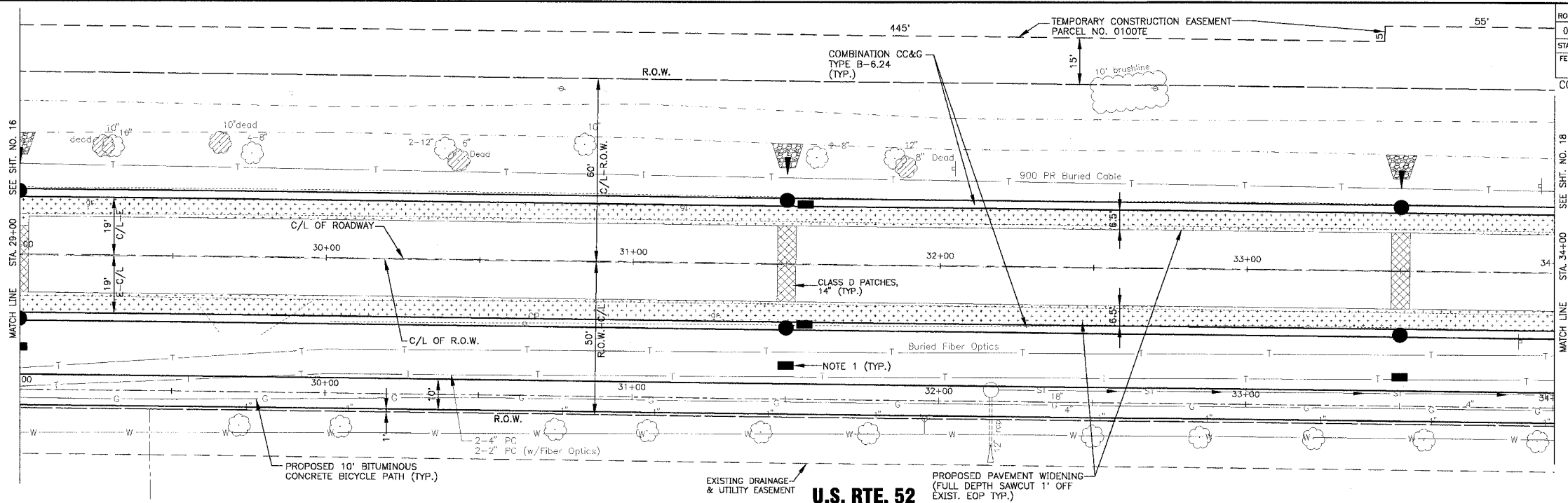
US. ROUTE 52
STA. 23+50 TO STA. 29+00
GEOMETRIC PLAN

DESIGNED BY	LDH	SCALE VERT: 1"=5'	SCALE HORIZ: 1"=20'
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	16 OF 85
DATE	10-05-04		

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	17
STA. 29+00	TO STA. 34+00			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT	CMF-0607 (070)	

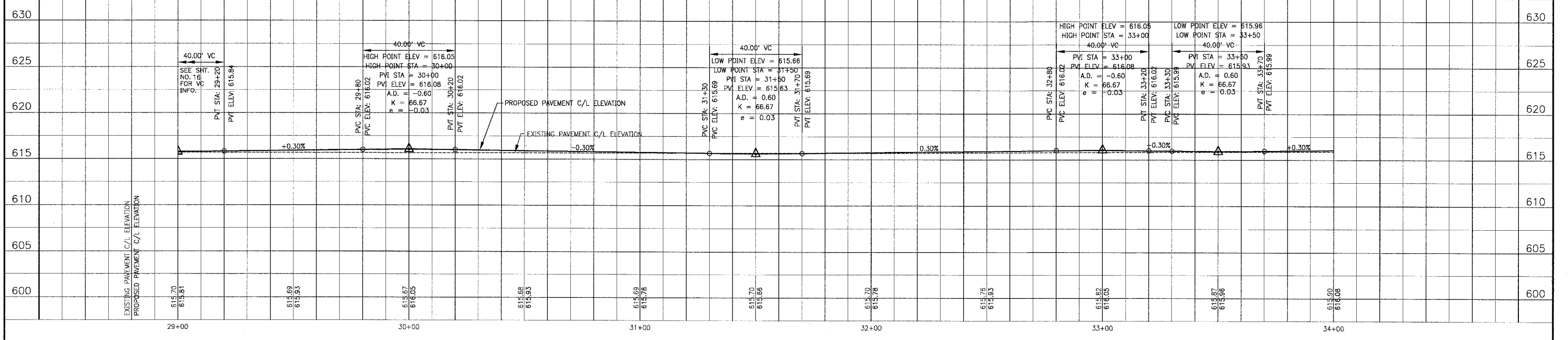
CONTRACT NO. 83786

SCALE: 1" = 20'

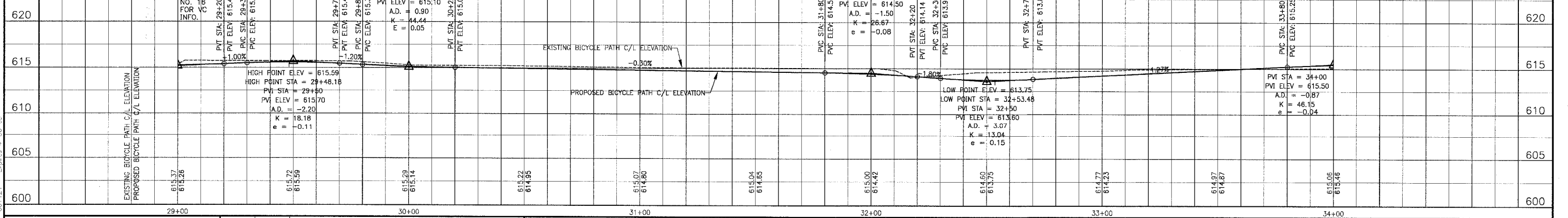


NOTE:
1. SEE SHT. NO. 27 FOR DRAINAGE AND UTILITY INFORMATION.

U.S. RTE. 52 ROADWAY PROFILE



U.S. RTE. 52 BICYCLE PATH PROFILE



CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DESIGNED BY	LDH	SCALE VERT: 1"=5'
DRAWN BY	UKB	HORIZ: 1"=20'
CHECKED BY	LDH	PROJECT NO.
DATE	10-05-04	010665
		SHEET NO.
		17 OF 85

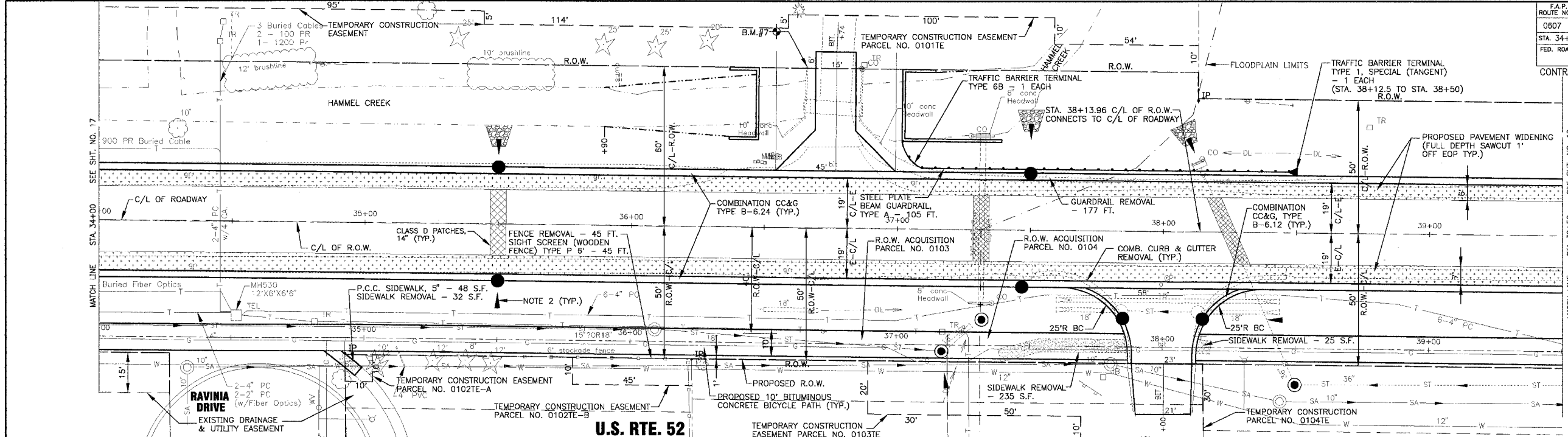
BAXTER & WOODMAN
Consulting Engineers

Baxter & Woodman
Crystal Lake, Illinois 815.459.1280
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.789.3111
Grafton, Illinois 847.229.5088
Rockford, Illinois 815.489.1551

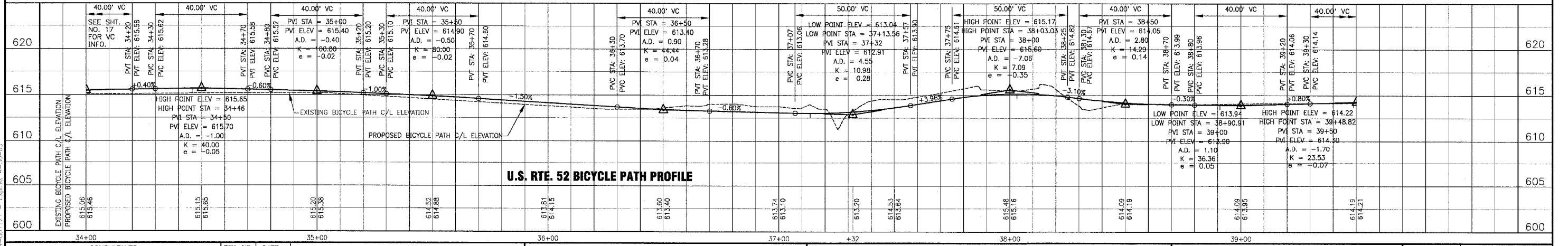
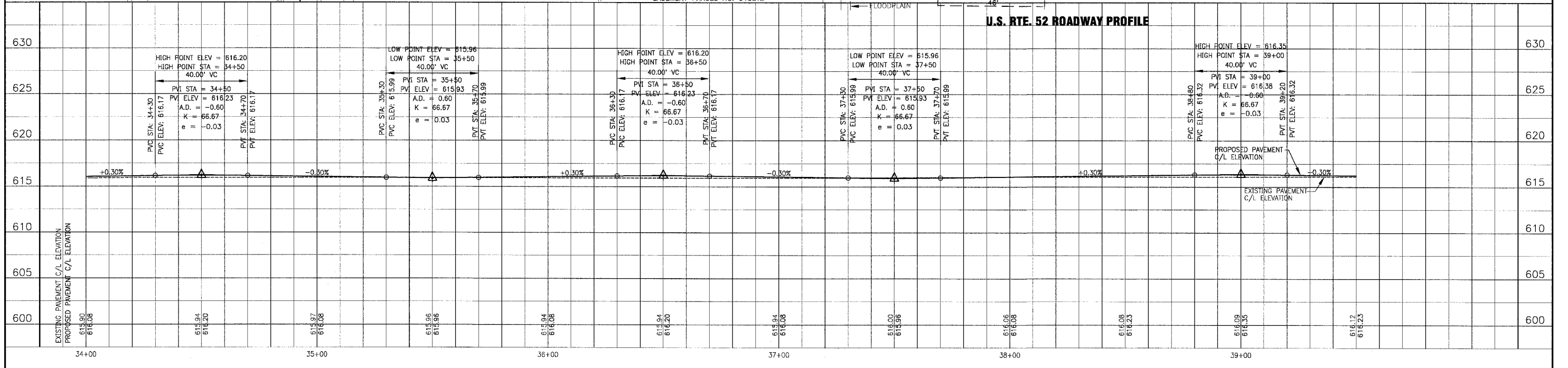
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

U.S. ROUTE 52
STA. 29+00 TO STA. 34+00
GEOMETRIC PLAN

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS



- NOTES:
- EXISTING DRIVEWAYS TO BE REMOVED AND REPLACED TO R.O.W. LINE.
 - SEE SHT. NO. 28 FOR DRAINAGE AND UTILITY INFORMATION.



CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: _____ PLOTTED BY: _____

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7884
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Crystal Lake, Illinois 847.223.5088
 Rockford, Illinois 815.488.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

U.S. ROUTE 52
STA. 34+00 TO STA. 39+50
GEOMETRIC PLAN

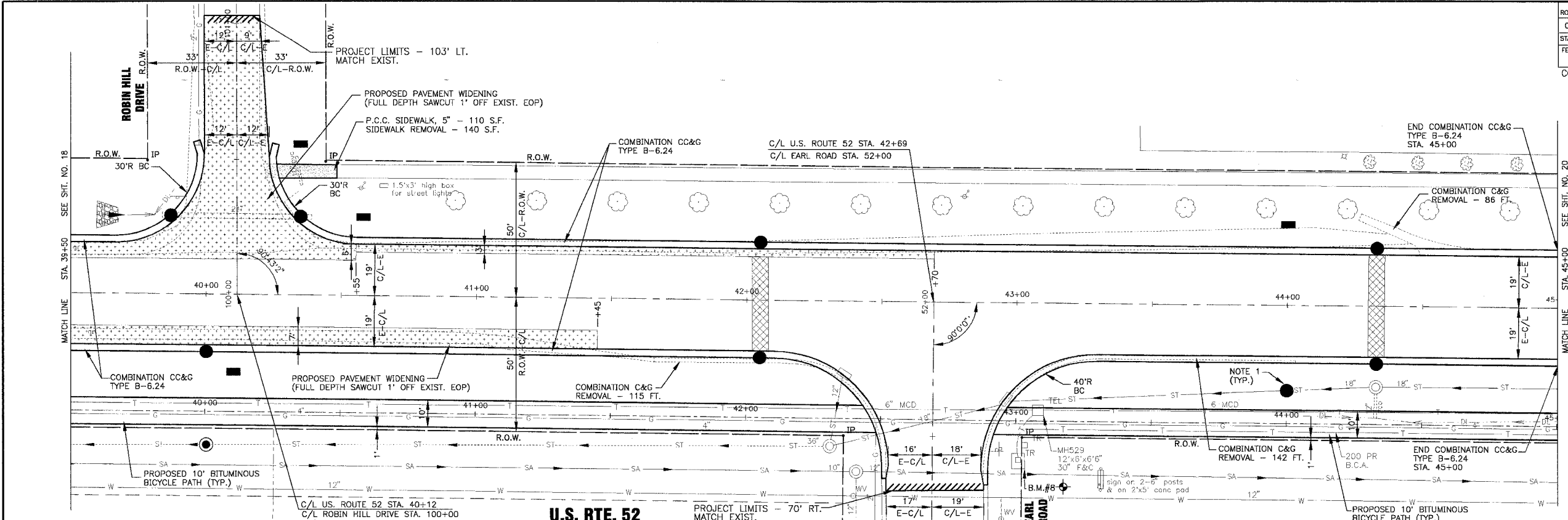
DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY UKB	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 18 OF 85

1. (SHEET) 010665 (DWG) 10665-PRF-649
 Plotted: 12-20-04 @ 1:47pm By: 231ubd
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

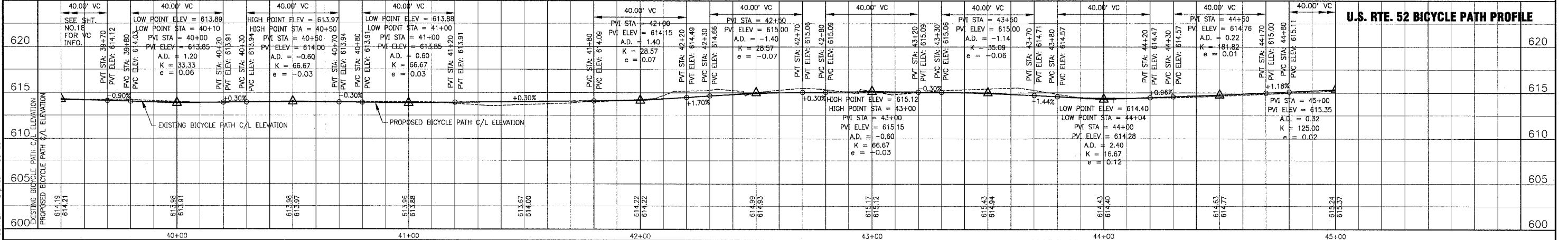
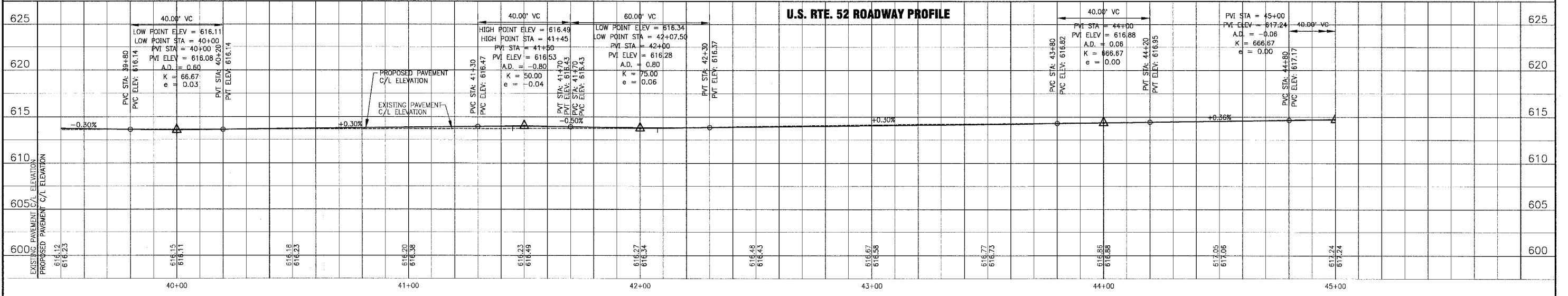
* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS



SCALE: 1" = 20'



NOTE:
1. SEE SHT. NO. 29 FOR DRAINAGE AND UTILITY INFORMATION.



I:\SHR\010665\DWGS\10665-PRF.dwg
 Plot: 12-15-04 @ 10:10am By: 231ukb
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: _____ PLOTTED BY: _____

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

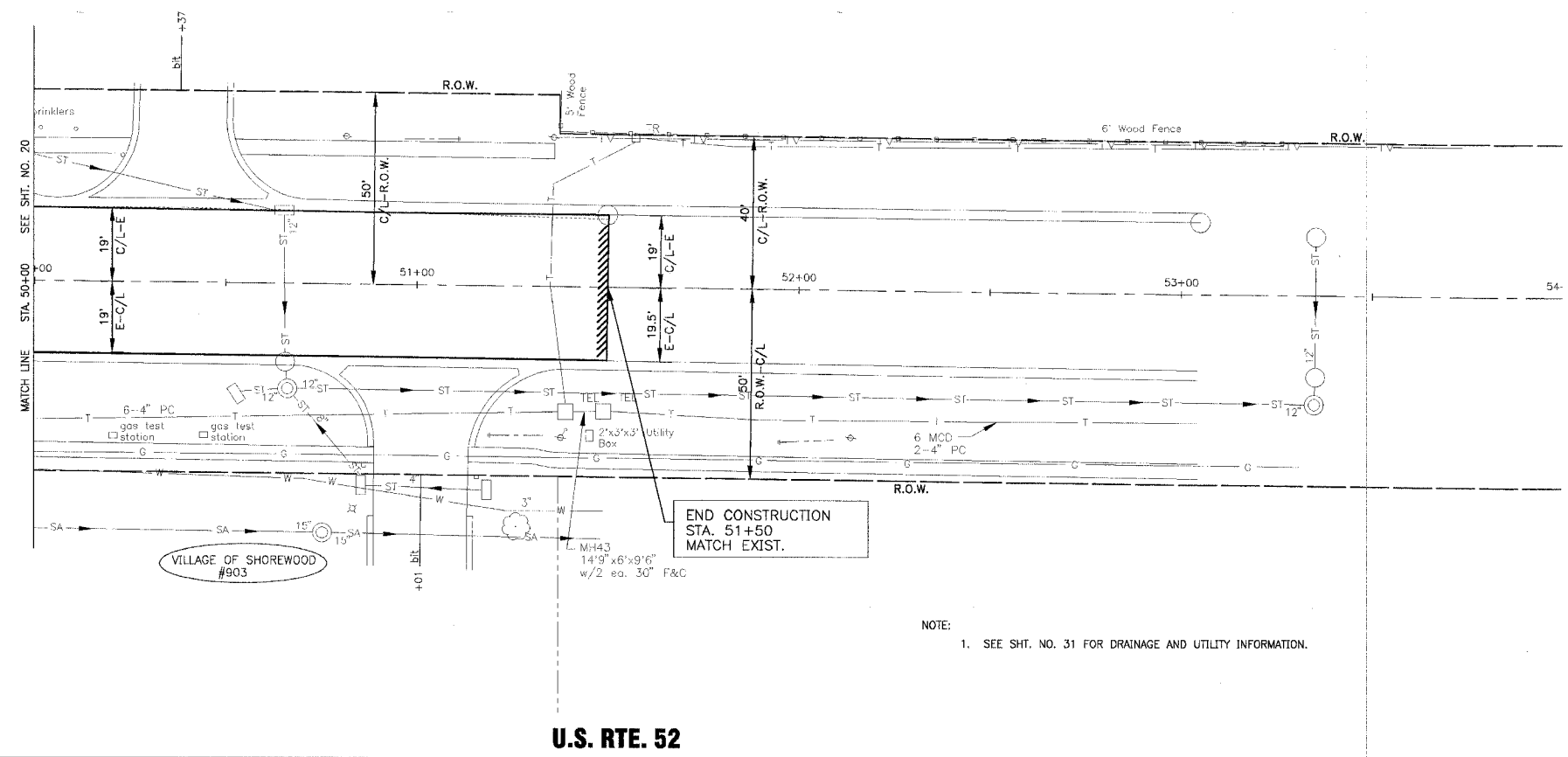
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

U.S. ROUTE 52
STA. 39+50 TO STA. 45+00
GEOMETRIC PLAN

DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY UKB	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 19 OF 85

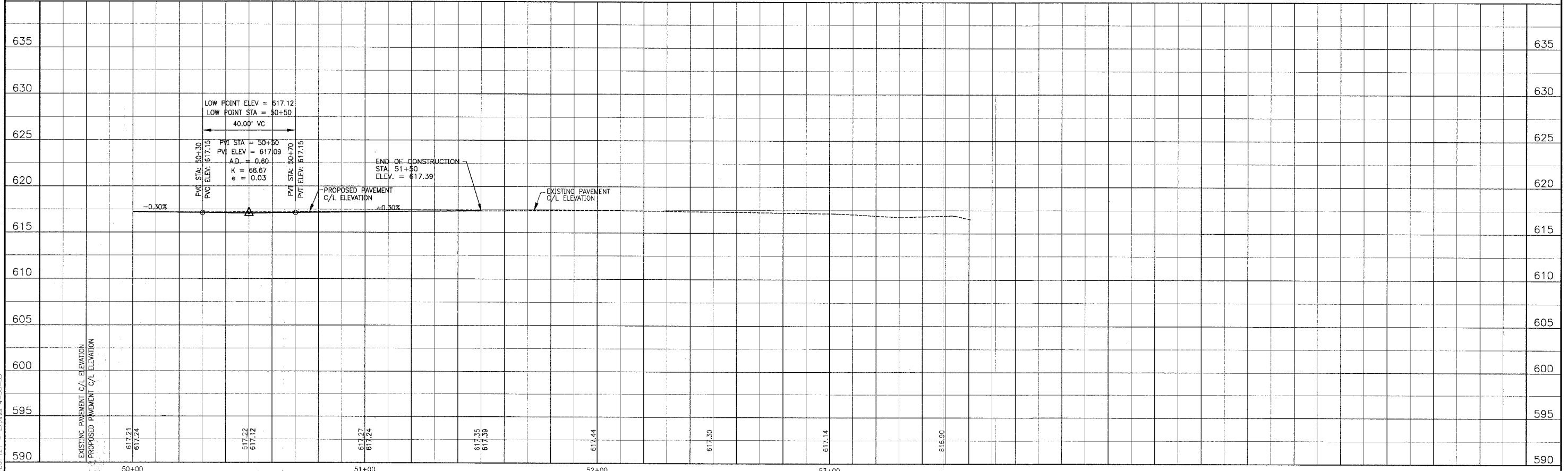


SCALE: 1" = 20'



NOTE:
1. SEE SHT. NO. 31 FOR DRAINAGE AND UTILITY INFORMATION.

U.S. RTE. 52



I:\SHOREWOOD\010665\DWG\010665-PRF.dwg
 Plotter: 12-15-04 @ 10:17am Pr: 231ukb
 Copyright ©2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: _____ PLOTTED BY: _____

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

US. ROUTE 52
STA. 50+00 TO STA. 54+00
GEOMETRIC PLAN

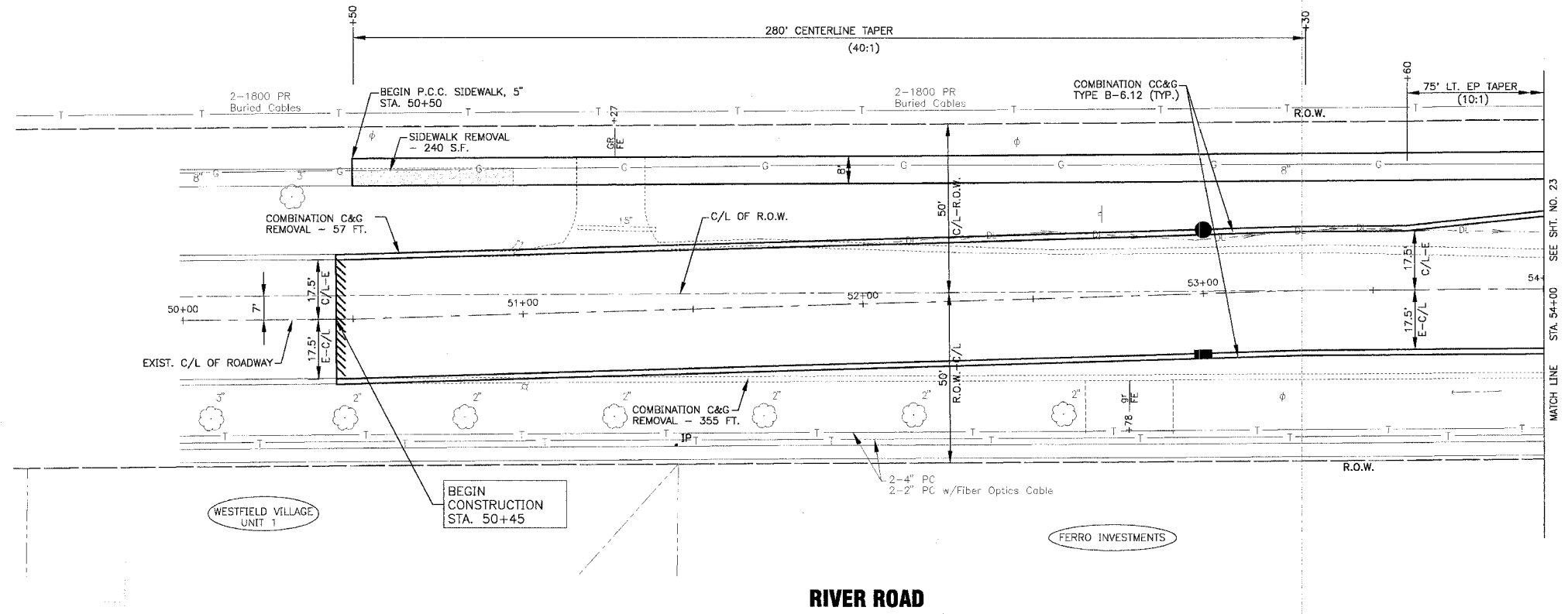
DESIGNED BY: LDH
 DRAWN BY: LKB
 CHECKED BY: LDH
 DATE: 10-05-04

SCALE VERT: 1"=5'
 HORIZ: 1"=20'
 PROJECT NO. 010665
 SHEET NO. 21 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	22
STA. 50+00 TO STA. 54+00		FED AID PROJECT CMF-0607 (070)		
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 83786	

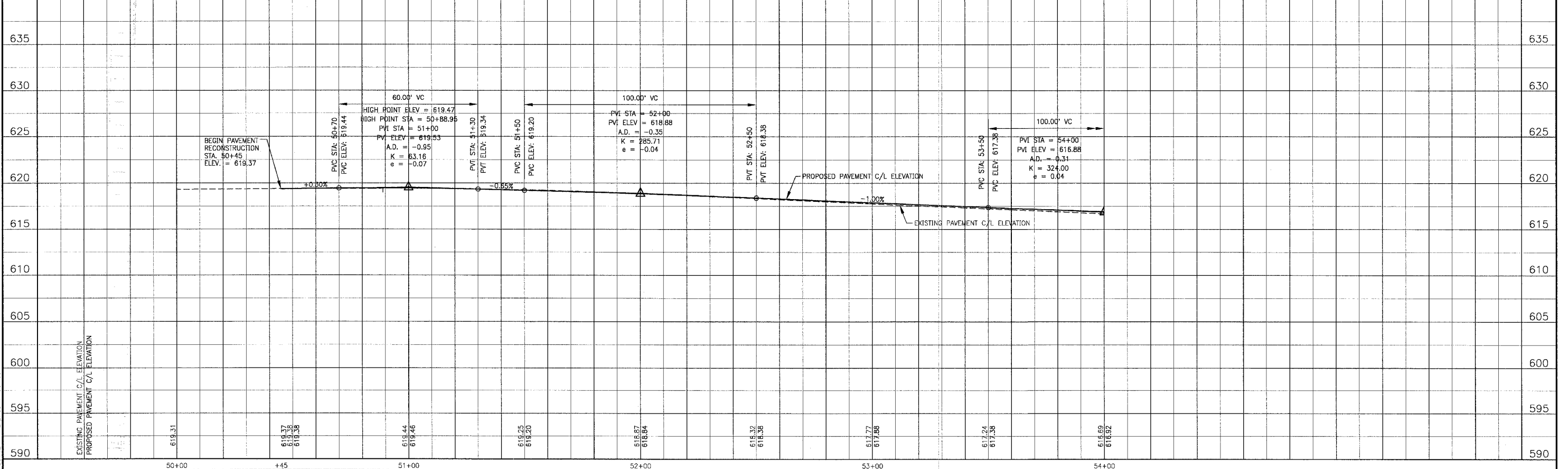


SCALE: 1" = 20'



NOTE:
1. SEE SHT. NO. 32 FOR DRAINAGE AND UTILITY INFORMATION.

RIVER ROAD



I:\SHRWD\010665\DWG\10665-PRF.dwg
 Plotted: 12-15-04 @ 10:18am By: 23\ukb
 Copyright © 2004, By: Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: PLOTTED BY:

BAXTER & WOODMAN
 Consulting Engineers

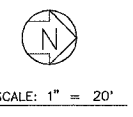
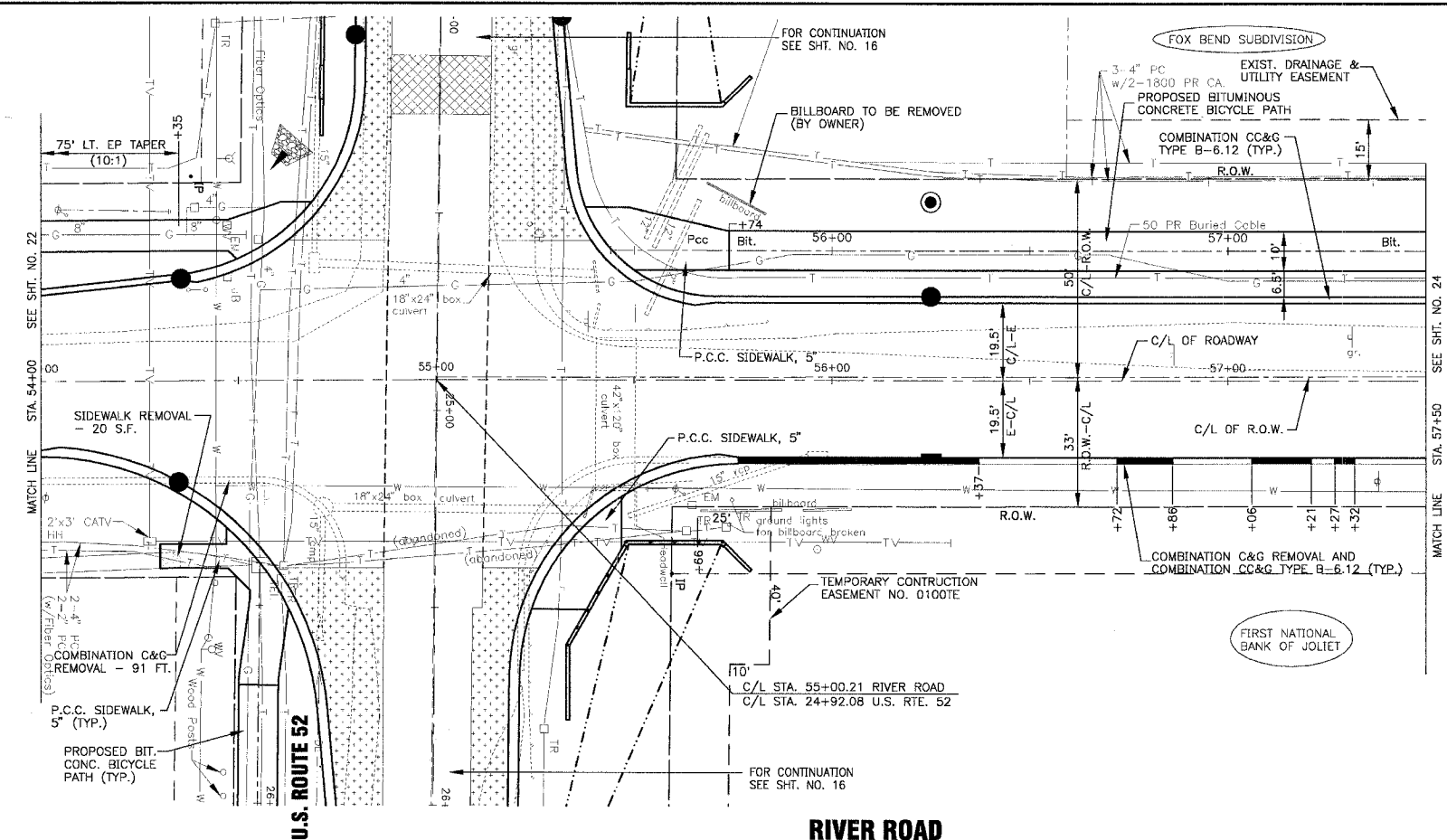
Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

RIVER ROAD
STA. 50+00 TO STA. 54+00
GEOMETRIC PLAN

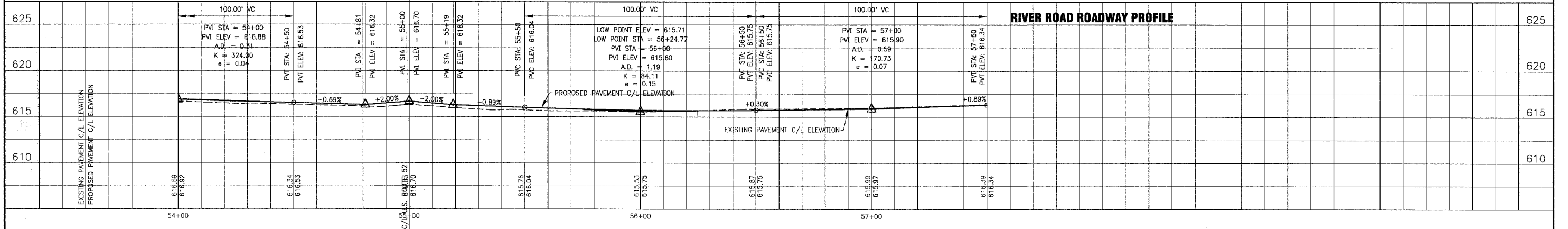
DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY UKB	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 22 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL.	85	23
STA. 54+00	TO STA. 57+50			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CMF-0607 (070)	
CONTRACT NO. 83786				

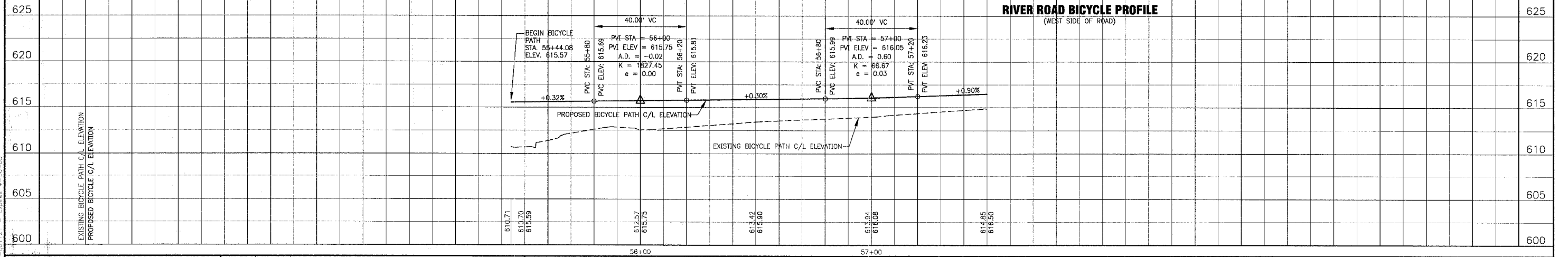


NOTE:
1. SEE SHT. NO. 33 FOR DRAINAGE AND UTILITY INFORMATION.

RIVER ROAD



RIVER ROAD BICYCLE PROFILE
(WEST SIDE OF ROAD)



I:\SHRIMP\010665\DWG\5A10665-PRF.dwg
 Plotted: 12-15-04 @ 10:19am by: 231ubh
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 184-00112 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: _____ PLOTTED BY: _____

BAXTER & WOODMAN
Consulting Engineers

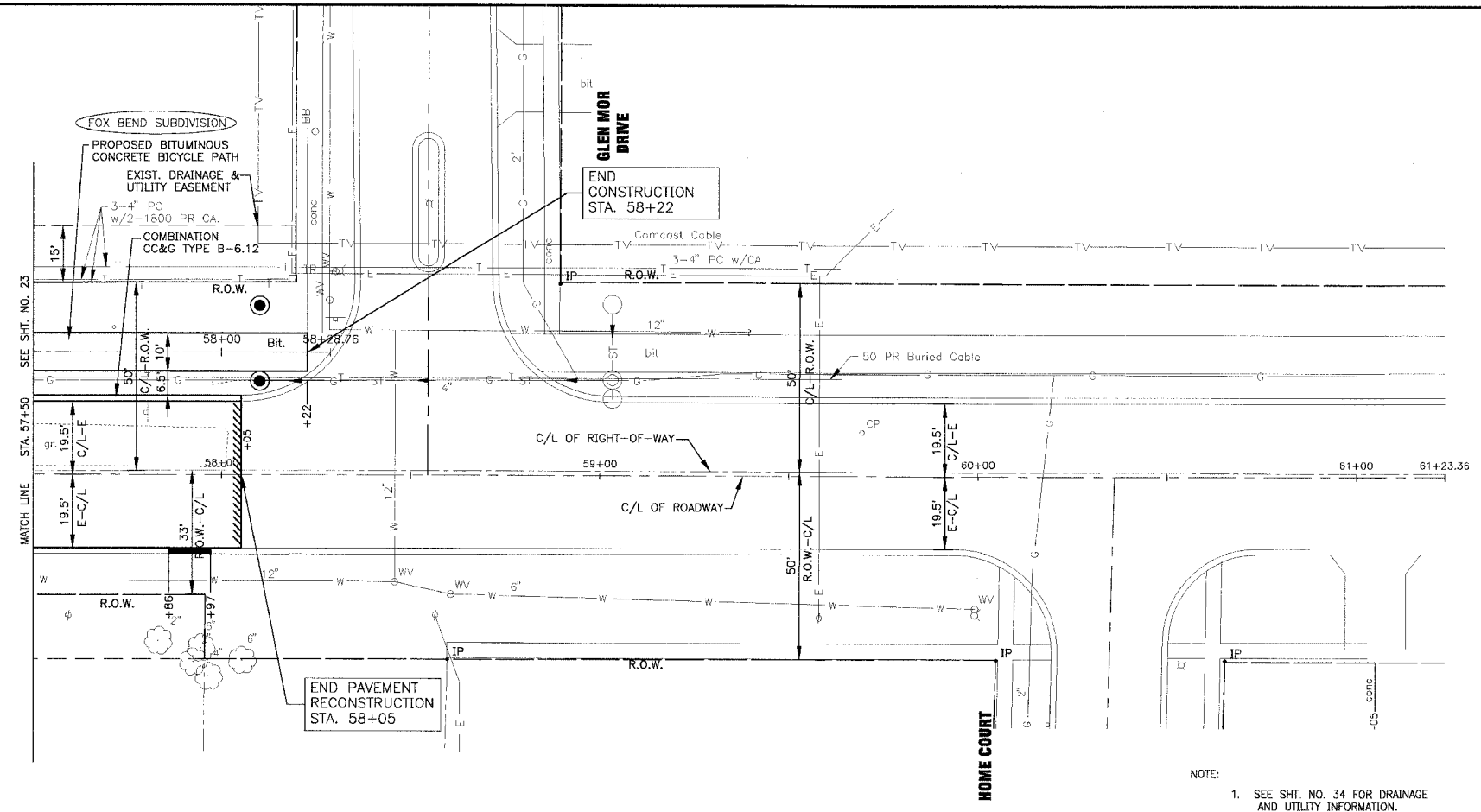
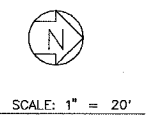
Baxter & Woodman
Crystal Lake, Illinois 815.459.1280
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.3111
Rockford, Illinois 847.223.5088
Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

RIVER ROAD
STA. 54+00 TO STA. 57+50
GEOMETRIC PLAN

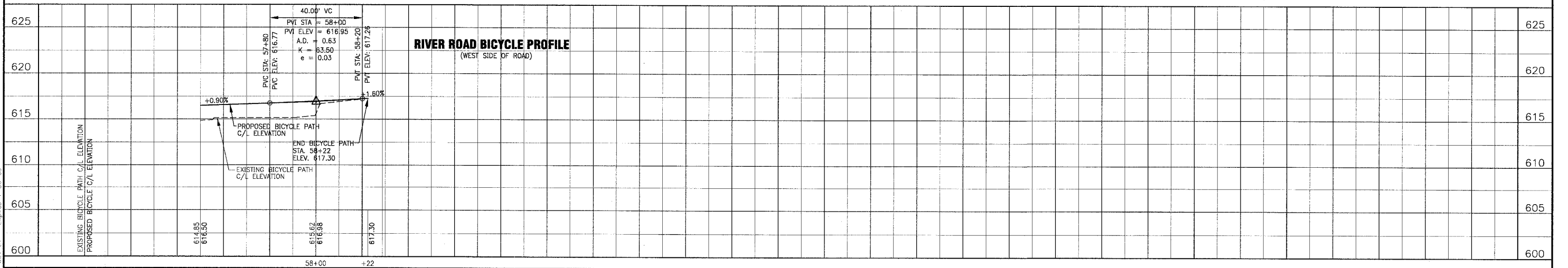
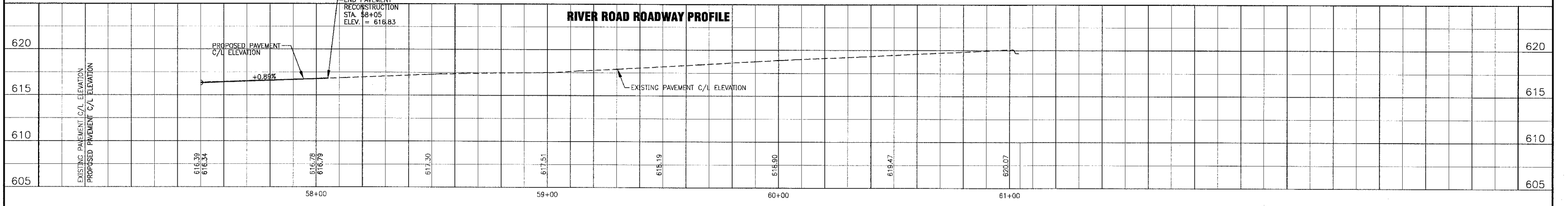
DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY UKB	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 23 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	24
STA. 57+50 TO STA. 61+00				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT CMF-0607 (070)		
CONTRACT NO. 83786				



NOTE:
1. SEE SHT. NO. 34 FOR DRAINAGE AND UTILITY INFORMATION.

NORTH RIVER ROAD



I:\SHRMD\010665\DWG\510665-PRF.dwg
 Plotted: 12-15-04 @ 10:24am By: 231ubd
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-00121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

BAKTER & WOODMAN
 Consulting Engineers
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graystake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

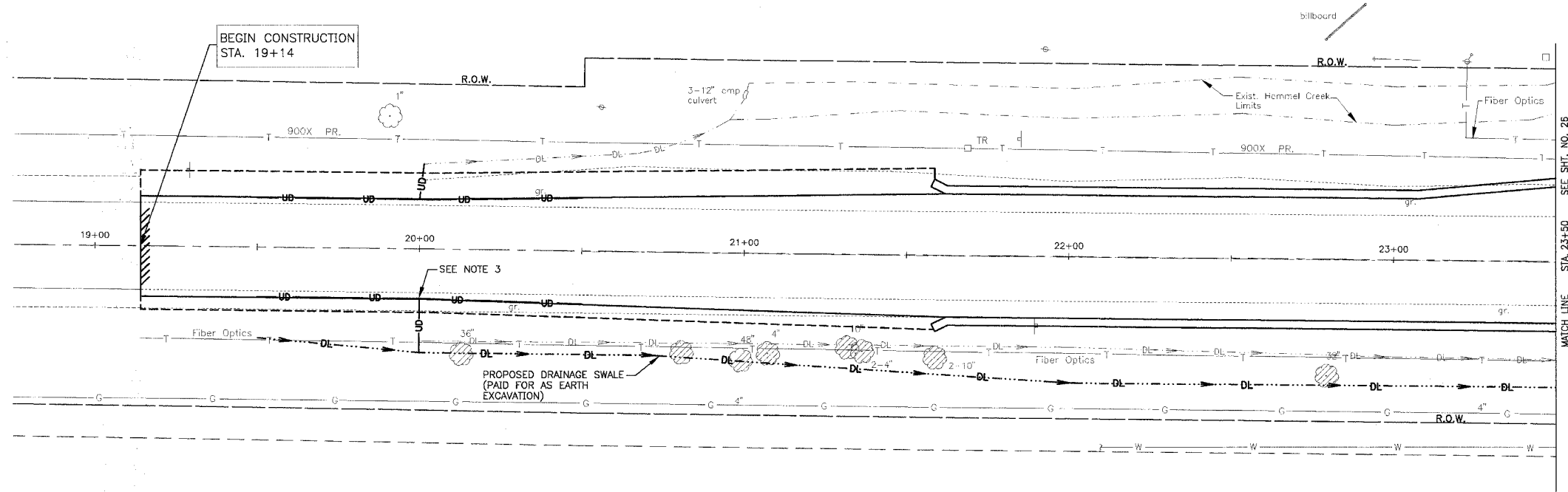
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

RIVER ROAD
STA. 57+50 TO STA. 61+00
GEOMETRIC PLAN

DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY LKB	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 24 OF 85

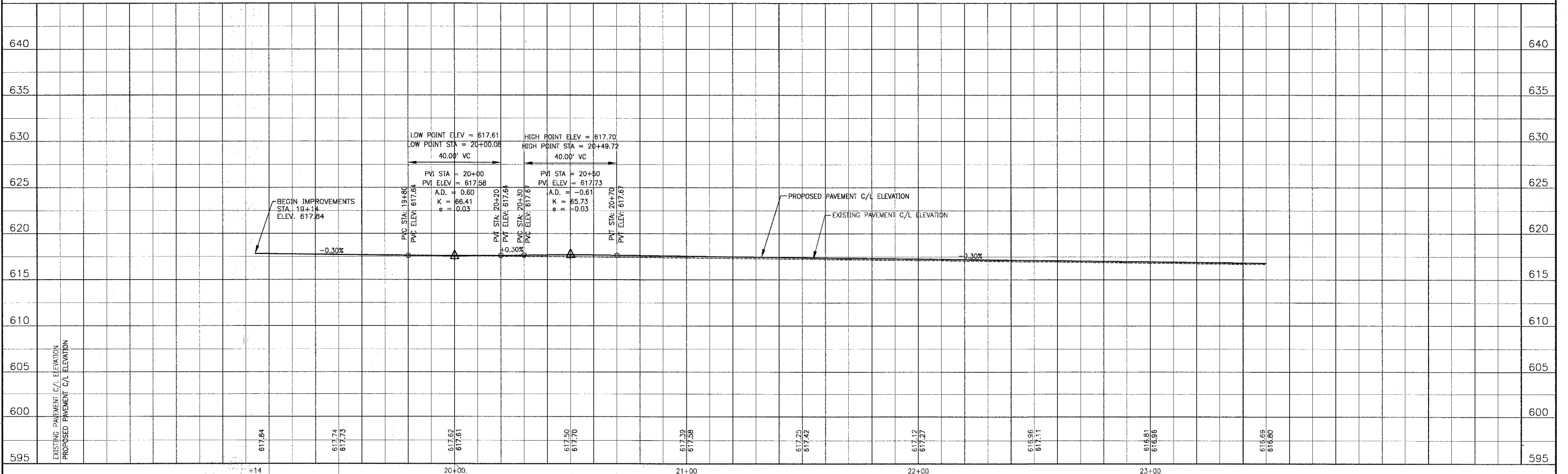


SCALE: 1" = 20'



- NOTE:
- SEE SHT. 15 FOR GEOMETRIC INFORMATION.
 - DATUM CORRELATION: BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM.
 - PLACE PIPE UNDERDRAINS IN 25-FOOT LINEAL SECTIONS AT A DEPTH OF 30-INCHES IN ALL ROADWAY LOW SPOTS.

U.S. RTE. 52



I:\SHRWD\010665\DWG\10665-10665-PRF.dwg
 Plotted: 1-04-05 @ 10:52am By: 231Lkb
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

REV. NO.	DATE	DESCRIPTION
1	12-21-04	PER I.D.O.T. REVIEW

CONSULTANTS: BAXTER & WOODMAN

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Craylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1651

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

U.S. ROUTE 52
STA. 19+00 TO STA. 23+50
DRAINAGE & UTILITY PLAN

DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY UKB	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 25 OF 85

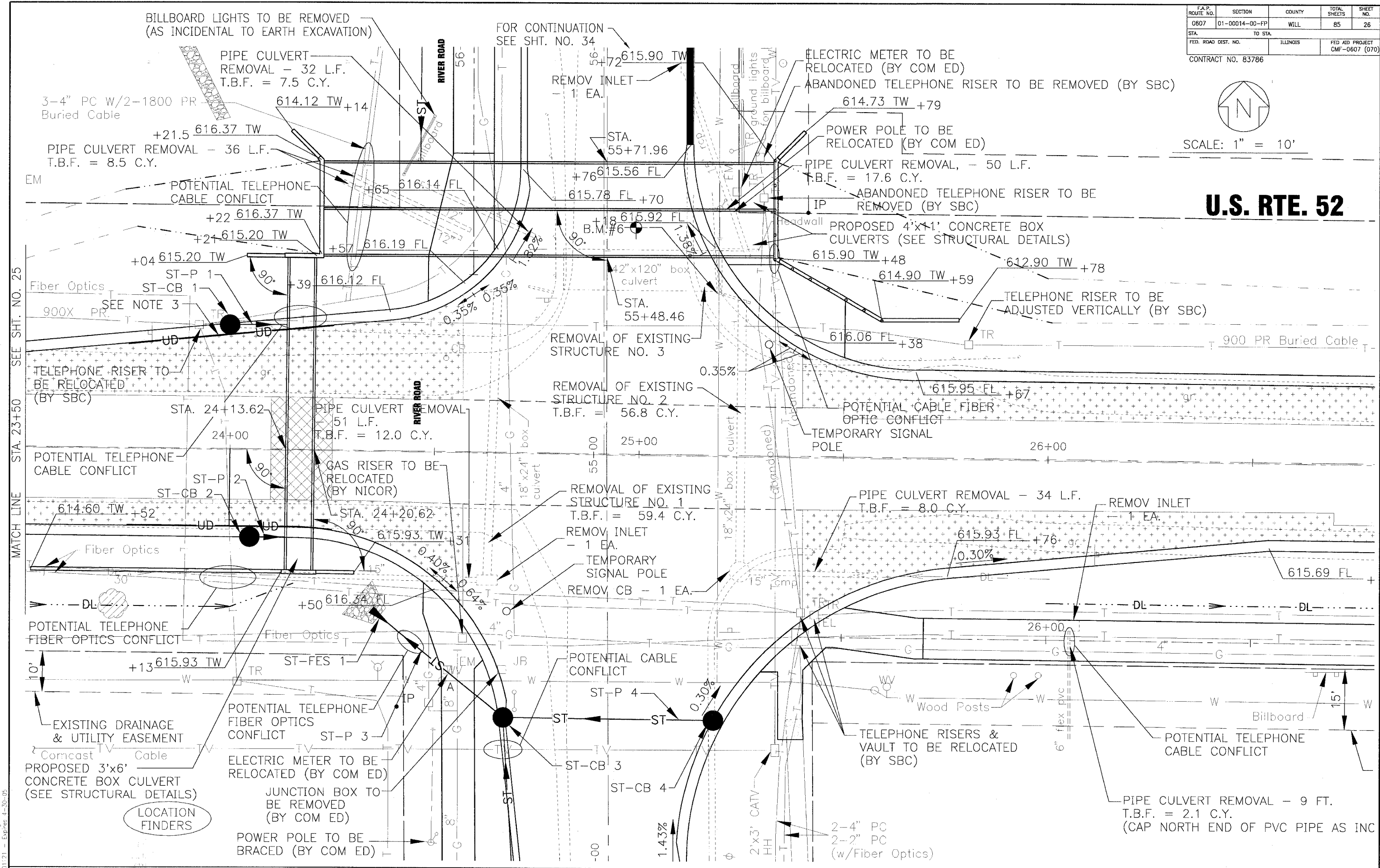
* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS DRAWING FILE: PLOTTED BY:

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	26
STA.	TO STA.	ILLINOIS	FED AID PROJECT	CMF-0607 (070)
FED. ROAD DIST. NO.		CONTRACT NO. 83786		



SCALE: 1" = 10'

U.S. RTE. 52



CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW



Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.797.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1561

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

US. ROUTE 52
STA. 23+50 TO STA. 29+00
DRAINAGE & UTILITY PLAN

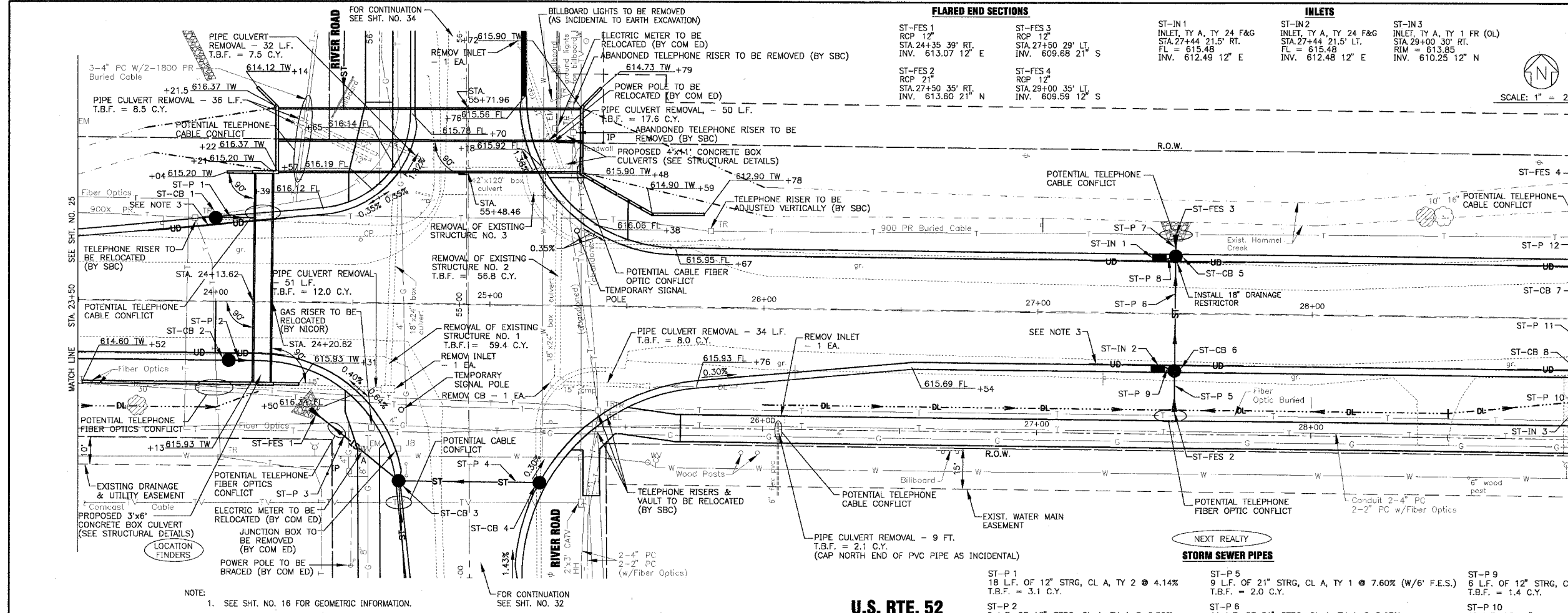
DESIGNED BY	LDH	SCALE	HORIZ: 1"=10'
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	
DATE	10-05-04		

I:\SHOREWOOD\10665\DWG\5110665-PRF.dwg
 Plotted: 10-05-04 @ 10:53am By: 231ukb
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 04-001721 - Expires 4-30-05

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS DRAWING FILE: PLOTTED BY:

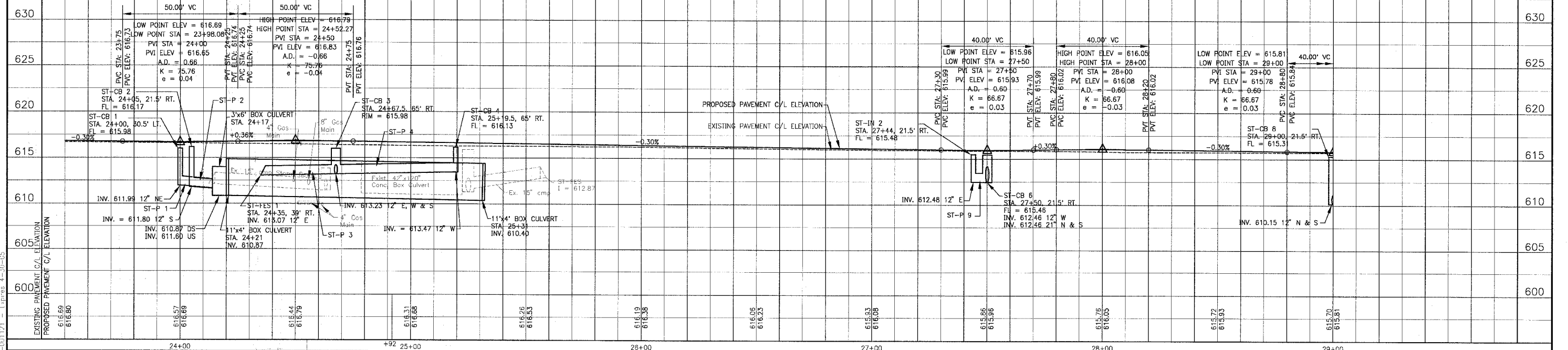
F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-PP	WILL	85	26A
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT CNF-0607 (070)		
CONTRACT NO. 83786		CATCH BASINS		

- ST-CB 1
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 24+00 30.5' LT.
FL = 615.98
INV. 611.99 12' NE
- ST-CB 2
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 24+05 21.5' RT.
FL = 615.17
INV. 611.80 12' S
- ST-CB 3
CATCH BASIN, TY A, TY 24 FR
4' DIA.
STA. 24+67.5 65' RT.
FL = 615.98
INV. 613.23 12' E, W & S
- ST-CB 4
CATCH BASIN, TY, C, TY 24 F&G
2' DIA.
STA. 24+50 21.5' RT.
FL = 615.46
INV. 613.47 12' W
- ST-CB 5
CATCH BASIN, TY A, TY 24 F&G
2' DIA.
STA. 27+50 21.5' LT.
FL = 615.46
INV. 610.14 21' N & S
612.42 12' W
- ST-CB 6
CATCH BASIN, TY A, TY 24 F&G
2' DIA.
STA. 27+50 21.5' RT.
FL = 615.46
INV. 612.46 12' W
612.46 21' N & S
- ST-CB 7
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 29+00 21.5' RT.
FL = 615.31
INV. 609.74 12' N & S
- ST-CB 8
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 29+00 21.5' RT.
FL = 615.31
INV. 610.15 12' N & S



- NOTE:
- SEE SHT. NO. 16 FOR GEOMETRIC INFORMATION.
 - DATUM CORRELATION: BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM.
 - PLACE PIPE UNDERDRAINS IN 25-FOOT LINEAL SECTIONS AT A DEPTH OF 30-INCHES IN ALL ROADWAY LOW SPOTS.

U.S. RTE. 52 ROADWAY PROFILE



CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: PLOTTED BY:

BAXTER & WOODMAN
 Consulting Engineers
 Crystal Lake, Illinois 815.458.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.6088
 Rockford, Illinois 815.488.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

U.S. ROUTE 52
STA. 23+50 TO STA. 29+00
DRAINAGE & UTILITY PLAN

DESIGNED BY: LDH
 DRAWN BY: LKB
 CHECKED BY: LDH
 DATE: 10-05-04

SCALE VERT: 1"=5'
 HORIZ: 1"=20'

PROJECT NO: 010665
 SHEET NO: 26A OF 85

1. SHRMW\010665\DWG\0665-PPF.dwg
 P:\010665\10-05-04\0665-PPF.dwg
 10/5/04 9:35am By: LDH
 State of Illinois - Professional Engineer, Inc.
 License No. 184-001121 - Expires 4-30-05

FLARED END SECTIONS

ST-FES 5
RCP 15"
STA. 31+50.35' LT.
INV. 609.67 15" S

ST-FES 6
RCP 12"
STA. 33+50.33' LT.
INV. 609.92 12" S

CATCH BASINS

ST-CB 9
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 31+50.215' RT.
FL = 615.16
INV. 610.33 12" E & W
610.11 15" N

ST-CB 10
CATCH BASIN, TY A, TY 24 F&G
4' DIA.
STA. 31+50.215' LT.
FL = 615.16
INV. 610.00 12" E
609.78 15" N & S

ST-CB 11
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 33+50.215' RT.
FL = 615.46
INV. 610.17 12" N & S

ST-CB 12
CATCH BASIN, TY C, TY 24 F&G
2' DIA.
STA. 33+50.215' LT.
FL = 615.46
INV. 609.98 12" N & S

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	27
STA.	TO STA.	ILLINOIS	FED AID PROJECT	
			CMF-0607 (070)	

CONTRACT NO. 83786

STORM SEWER PIPES

ST-P 13
12 L.F. OF 12" STRG. CL A, TY 2 @ 1.00%
T.B.F. = 4.6 C.Y.

ST-P 14
42 L.F. OF 15" STRG. CL A, TY 1 @ 0.79%
T.B.F. = 31.3 C.Y.

ST-P 15
8 L.F. OF 15" STRG. CL A, TY 1 @ 0.79%
(W/6' F.E.S.)
T.B.F. = 5.0 C.Y.

ST-P 16
5 L.F. OF 12" STRG. CL A, TY 2 @ 1.00%
T.B.F. = 3.3 C.Y.

ST-P 17
5 L.F. OF 12" STRG. CL A, TY 2 @ 1.00%
T.B.F. = 3.6 C.Y.

ST-P 18
14 L.F. OF 12" STRG. CL A, TY 1 @ 0.45%
T.B.F. = 4.8 C.Y.

ST-P 19
42 L.F. OF 12" STRG. CL A, TY 1 @ 0.45%
(W/6' F.E.S.)
T.B.F. = 31.9 C.Y.

ST-P 20
7 L.F. OF 12" STRG. CL A, TY 2 @ 0.45%
(W/6' F.E.S.)
T.B.F. = 4.4 C.Y.

INLETS

ST-IN 4
INLET, TY A, TY 1 FR, OL
STA. 31+50.33' RT.
RIM = 613.60
INV. 610.45 12" N

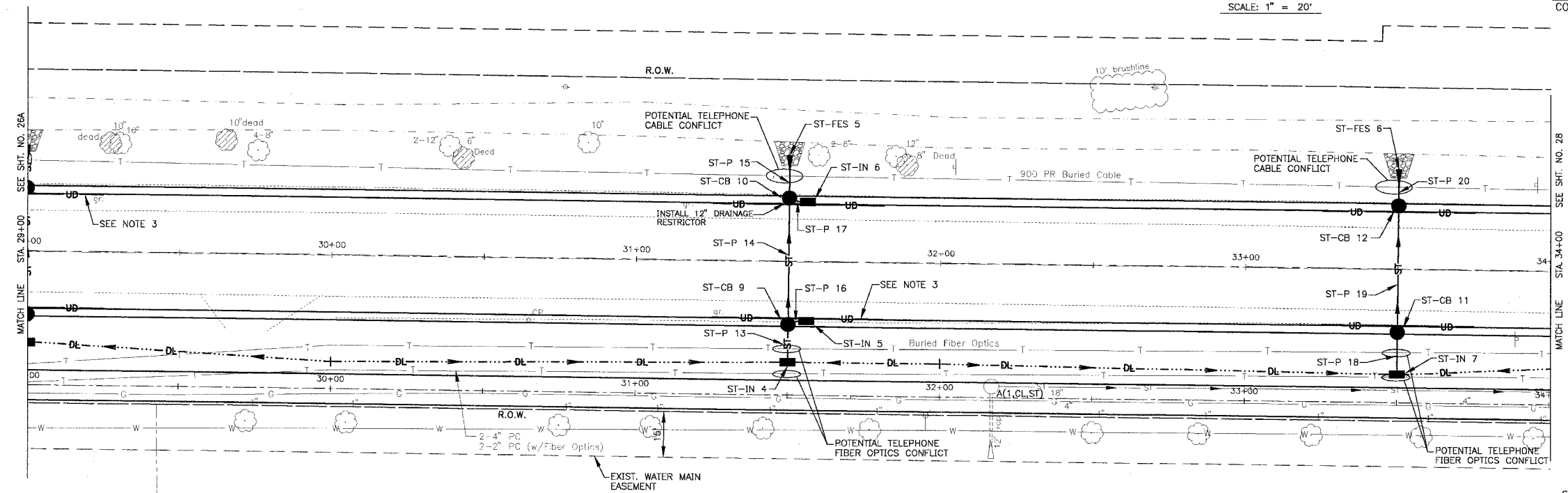
ST-IN 6
INLET, TY A, TY 24 F&G
STA. 31+58.215' LT.
FL = 615.17
INV. 610.05 12" W

ST-IN 5
INLET, TY A, TY 24 F&G
STA. 31+58.215' RT.
FL = 615.17
INV. 610.38 12" W

ST-IN 7
INLET, TY A, TY 1, OL
STA. 33+50.35' RT.
RIM = 612.75
INV. 610.23 12" W



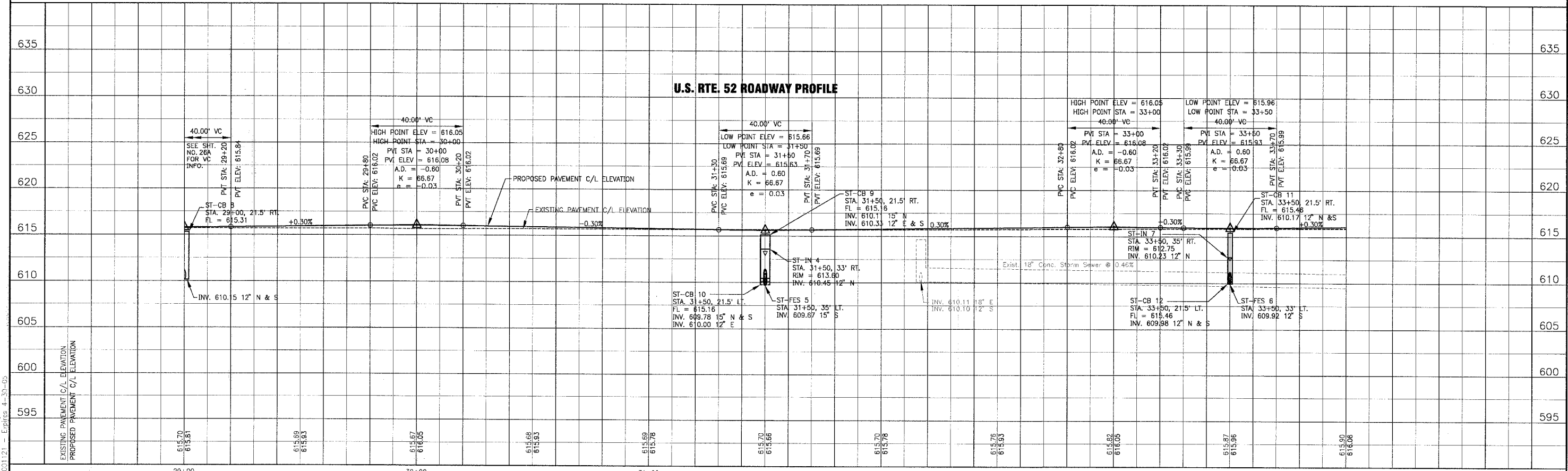
SCALE: 1" = 20'



NOTE:

- SEE SHT. NO. 17 FOR GEOMETRIC INFORMATION.
- DATUM CORRELATION: BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM.
- PLACE PIPE UNDERDRAINS IN 25-FOOT LINAL SECTIONS AT A DEPTH OF 30-INCHES IN ALL ROADWAY LOW SPOTS.

U.S. RTE. 52



I:\SHRWD\010665\DWG\10665-PF.dwg
 Plotted: 1-04-05 @ 10:36am By: 23 Liko
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 04-03121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: PLOTTED BY:

BAXTER & WOODMAN
 Consulting Engineers
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1561

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

US. ROUTE 52
STA. 29+00 TO STA. 34+00
DRAINAGE & UTILITY PLAN

DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY UK9	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 27 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-PP	WILL	85	28
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CMF-0607 (07)		

CONTRACT NO. 83786

STORM SEWER PIPES

ST-P 21
5 L.F. OF 12" STRG. CL A, TY 1 @ 14.91%
(W/6' F.E.S.)
T.B.F. = 1.2 C.Y.

ST-P 22
42 L.F. OF 12" STRG. CL A, TY 1 @ 3.86%
T.B.F. = 16.1 C.Y.

ST-P 23
5 L.F. OF 12" STRG. CL A, TY 1 @ 3.86%
(W/6' F.E.S.)
T.B.F. = 1.2 C.Y.

ST-P 24
7 L.F. OF 12" STRG. CL A, TY 1 @ 10.07%
(W/6' F.E.S.)
T.B.F. = 2.2 C.Y.

ST-P 25
23 L.F. OF 27" STRG. CL A, TY 1 @ 2.50%
T.B.F. = 16.5 C.Y.

ST-P 26
67 L.F. OF 36" STRG. CL A, TY 1 @ 0.85%
T.B.F. = 61.9 C.Y.

ST-P 27
21 L.F. OF 12" STRG. CL A, TY 1 @ 1.00%
T.B.F. = 7.6 C.Y.

ST-P 28
12 L.F. OF 12" STRG. CL A, TY 1 @ 8.89%
(W/6' F.E.S.)
T.B.F. = 3.1 C.Y.

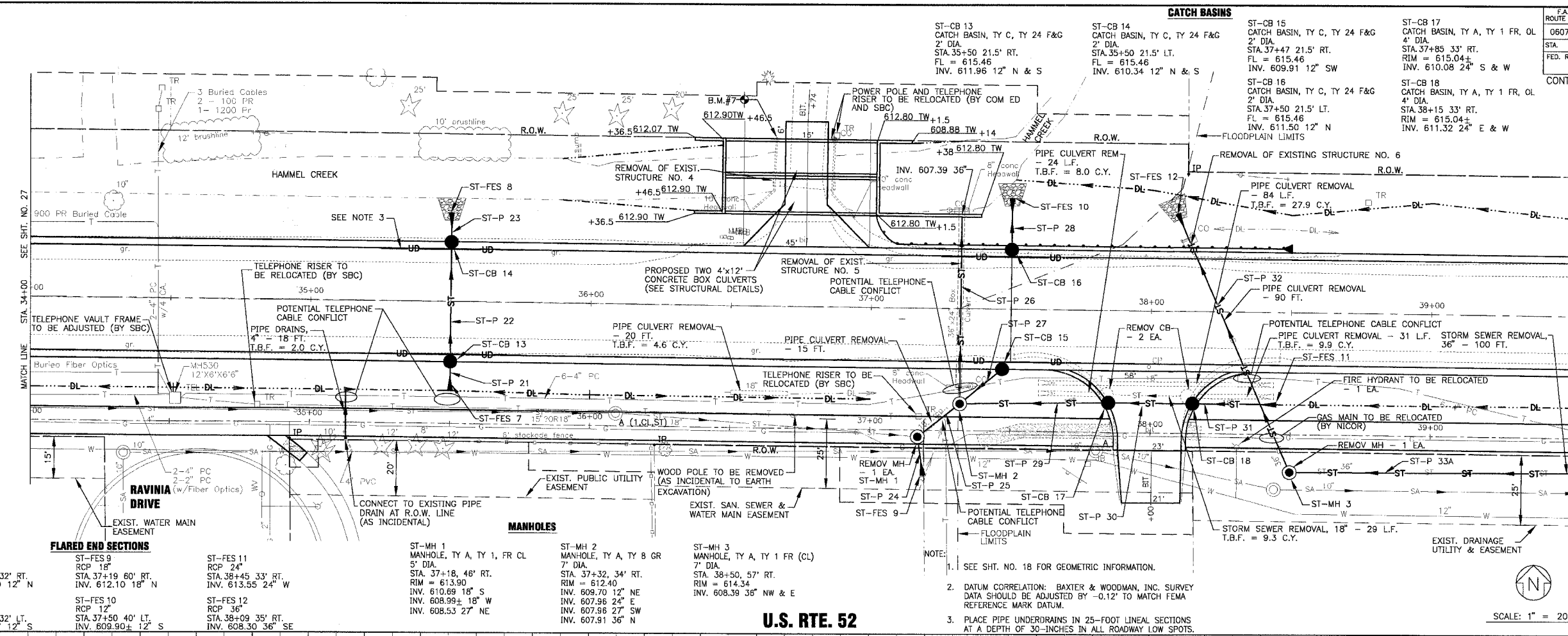
ST-P 29
12 L.F. OF 24" STRG. CL A, TY 1 @ 4.00%
T.B.F. = 36.2 C.Y.

ST-P 30
31 L.F. OF 24" STRG. CL A, TY 1 @ 4.00%
T.B.F. = 19.9 C.Y.

ST-P 31
24 L.F. OF 24" STRG. CL A, TY 1 @ 7.43%
(W/6' F.E.S.)
T.B.F. = 5.0 C.Y.

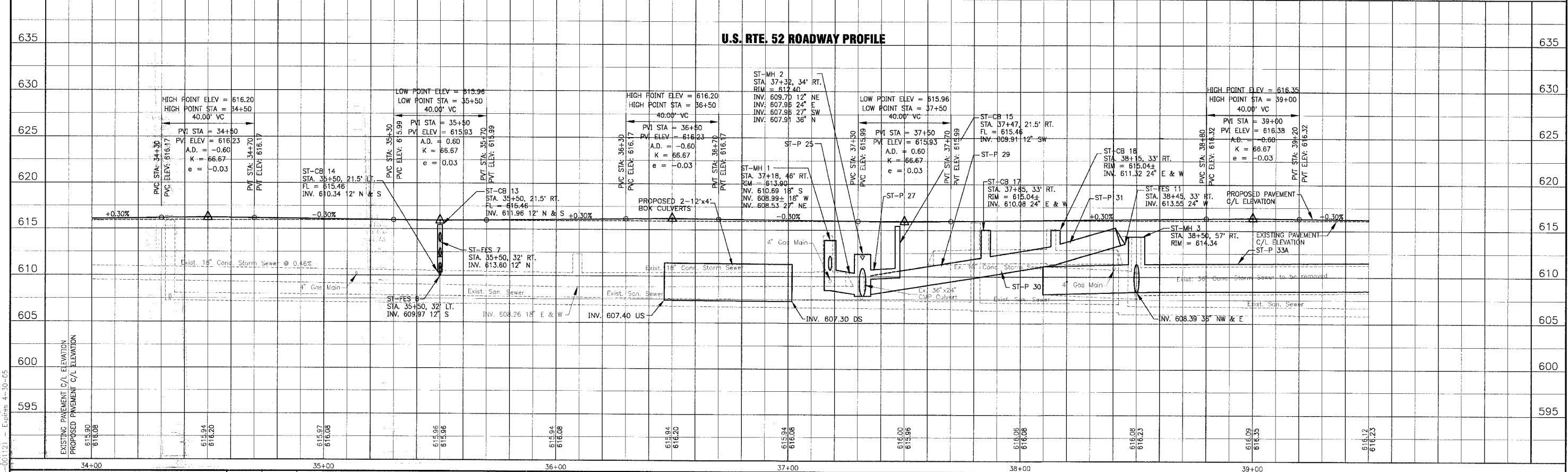
ST-P 32
93 L.F. OF 36" STRG. CL A, TY 1 @ 0.10%
(W/6' F.E.S.)
T.B.F. = 26.3 C.Y.

ST-P 33A
150 L.F. OF 36" STRG. CL A, TY 2 @ 0.15%
T.B.F. = 122.4 C.Y.



U.S. RTE. 52

U.S. RTE. 52 ROADWAY PROFILE



1. SHRP/01/0665/DWG5/10665-PRF.dwg
 Plotted: 1-04-05 @ 10:57am By: 231ukb
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 198-001721 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: PLOTTED BY:

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Orland, Illinois 847.223.6088
 Rockford, Illinois 815.488.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

US. ROUTE 52
STA. 34+00 TO STA. 39+50
DRAINAGE & UTILITY PLAN

DESIGNED BY: LDH
 DRAWN BY: UKB
 CHECKED BY: LDH
 DATE: 10-05-04

SCALE VERT: 1"=5'
 HORIZ: 1"=20'

PROJECT NO. 010665
 SHEET NO. 28 OF 85

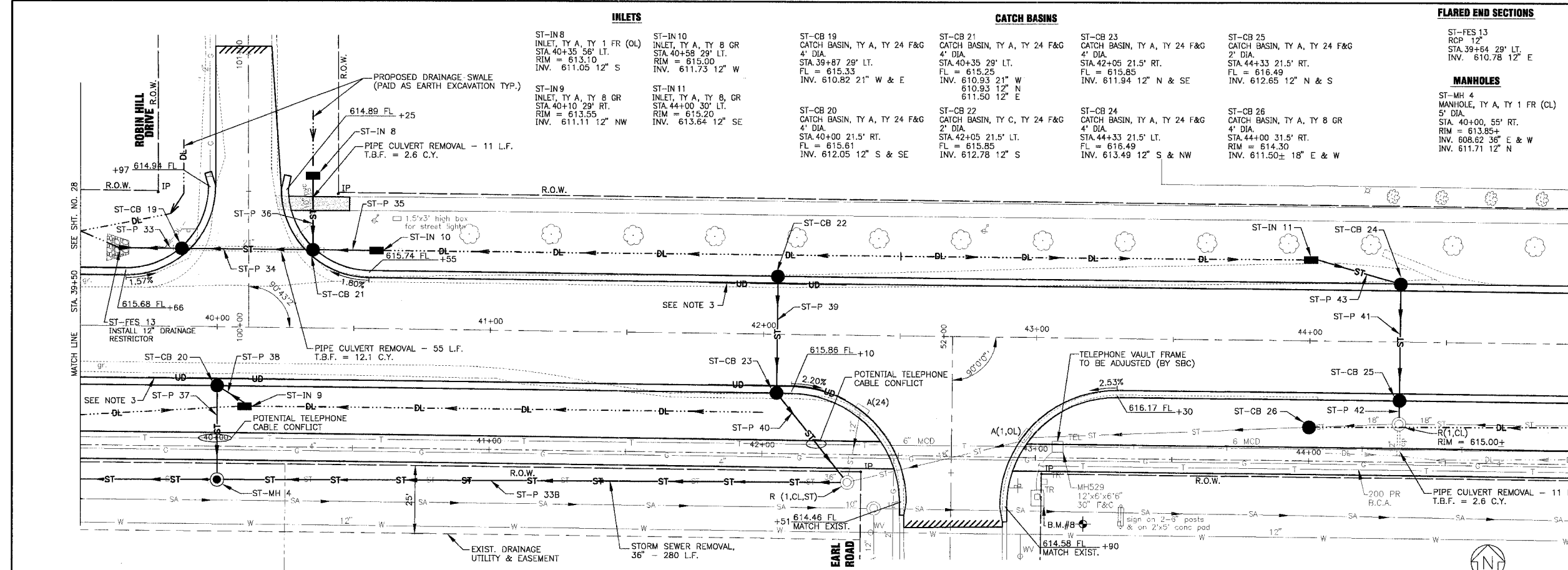
F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	29
STA.	TO STA.		FED. ROAD DIST. NO.	
	ILLINOIS		FED. AID PROJECT CMF-0607 (070)	

CONTRACT NO. 83786

STORM SEWER PIPES

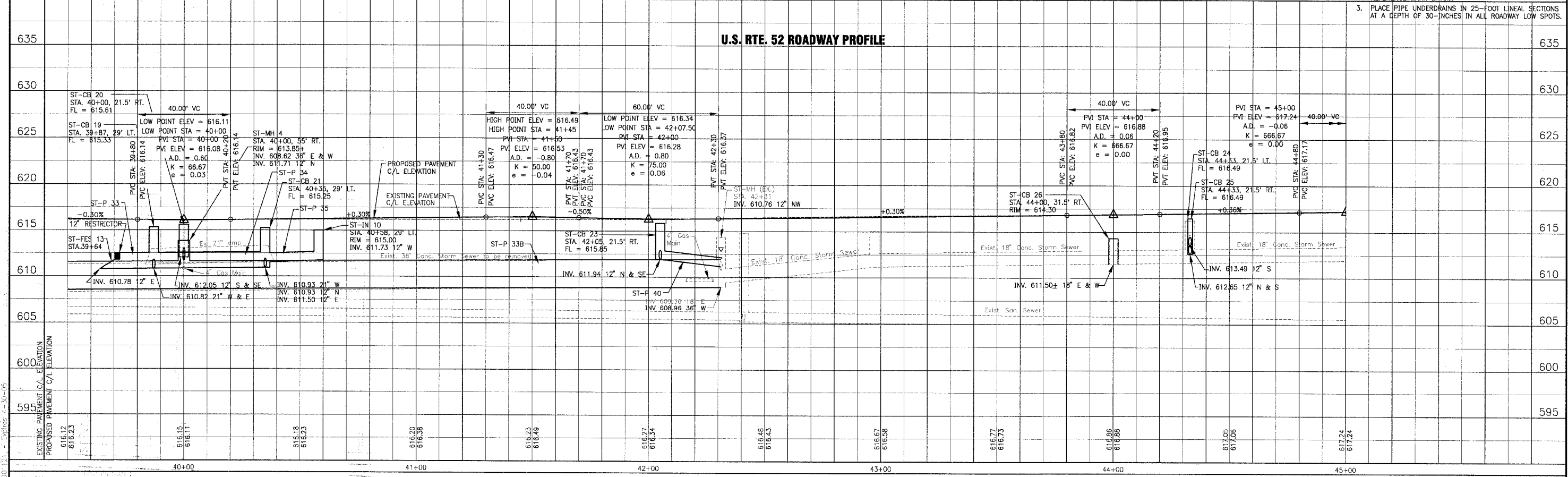
- ST-P 33
17 L.F. OF 21" STRG. CL A, TY 1 @ 0.21% (W/B' F.E.S.)
T.B.F. = 3.7 C.Y.
- ST-P 33B
230 L.F. OF 36" STRG. CL A, TY 2 @ 0.15%
T.B.F. = 187.70 C.Y.
- ST-P 34
48 L.F. OF 21" STRG. CL A, TY 1 @ 0.21%
T.B.F. = 19.8 C.Y.
- ST-P 35
23 L.F. OF 12" STRG. CL A, TY 1 @ 1.00%
T.B.F. = 5.4 C.Y.
- ST-P 36
27 L.F. OF 12" STRG. CL A, TY 1 @ 1.00%
T.B.F. = 6.9 C.Y.
- ST-P 37
34 L.F. OF 12" STRG. CL A, TY 1 @ 1.00%
T.B.F. = 32.2 C.Y.
- ST-P 38
13 L.F. OF 12" STRG. CL A, TY 1 @ 0.45%
T.B.F. = 3.1 C.Y.
- ST-P 39
43 L.F. OF 12" STRG. CL A, TY 1 @ 2.00%
T.B.F. = 12.6 C.Y.
- ST-P 40
41 L.F. OF 12" STRG. CL A, TY 1 @ 2.00%
T.B.F. = 10.3 C.Y.
- ST-P 41
42 L.F. OF 12" STRG. CL A, TY 1 @ 2.00%
T.B.F. = 11.1 C.Y.
- ST-P 42
8 L.F. OF 12" STRG. CL A, TY 2 @ 8.00%
T.B.F. = 2.4 C.Y.
- ST-P 43
33 L.F. OF 12" STRG. CL A, TY 2 @ 0.45%
T.B.F. = 7.8 C.Y.

- NOTE:
- SEE SHT. NO. 19 FOR GEOMETRIC INFORMATION.
 - DATUM CORRELATION: BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM.
 - PLACE PIPE UNDERDRAINS IN 25-FOOT LINEAL SECTIONS AT A DEPTH OF 30-INCHES IN ALL ROADWAY LOW SPOTS.



U.S. RTE. 52

U.S. RTE. 52 ROADWAY PROFILE



CONSULTANTS		REV. NO.	DATE	DESCRIPTION
		1	12-21-04	PER I.D.O.T. REVIEW
* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS		DRAWING FILE: PLOTTED BY:		

BAXTER & WOODMAN
 Consulting Engineers
 Crystal Lake, Illinois 815.459.1280
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

U.S. ROUTE 52
STA. 39+50 TO STA. 45+00
DRAINAGE & UTILITY PLAN

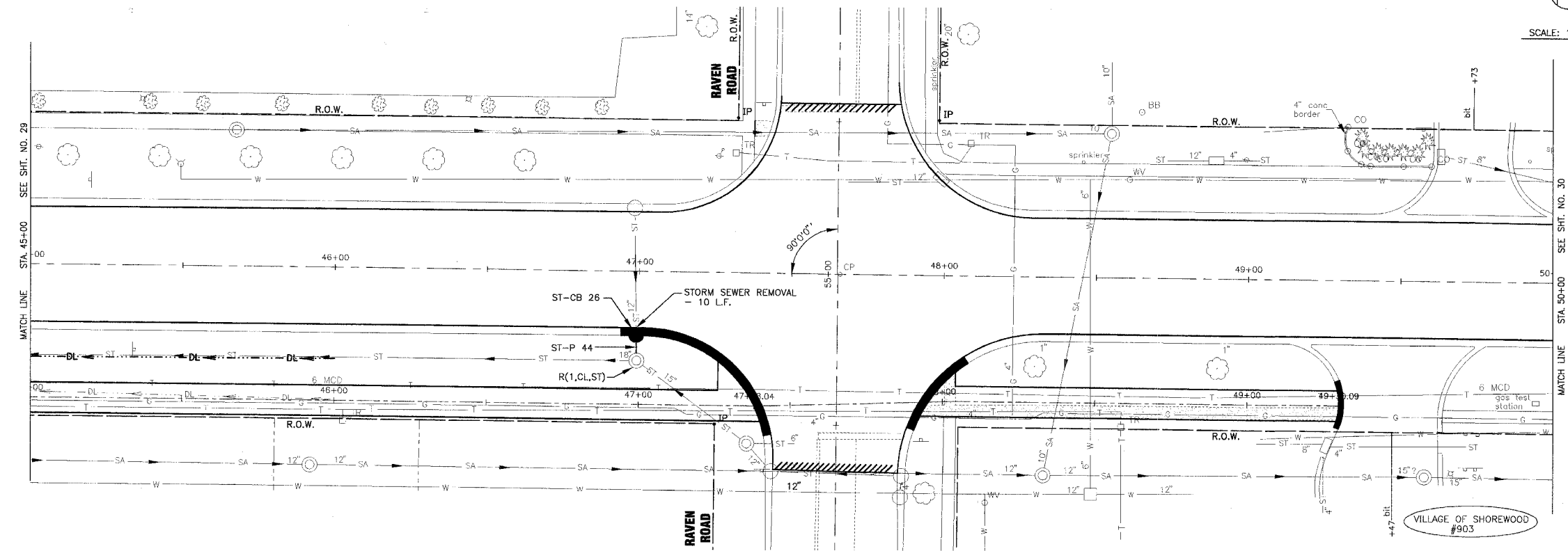
DESIGNED BY	LDH	SCALE VERT: 1"=5'
DRAWN BY	UKB	HORIZ: 1"=20'
CHECKED BY	LDH	PROJECT NO. 010665
DATE	10-05-04	SHEET NO.

I:\SHRWD\010665.DWG\10665-PRF.dwg
 Plotted: 10-05-04 @ 10:58am By: 231Luk
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois Professional Design Firm
 License No. 02-001213-3 Expires 4-30-05

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	30
STA.	TO STA.	ILLINOIS	FED. AID PROJECT	
			CMF-0607 (070)	
CONTRACT NO. 83786				



SCALE: 1" = 20'

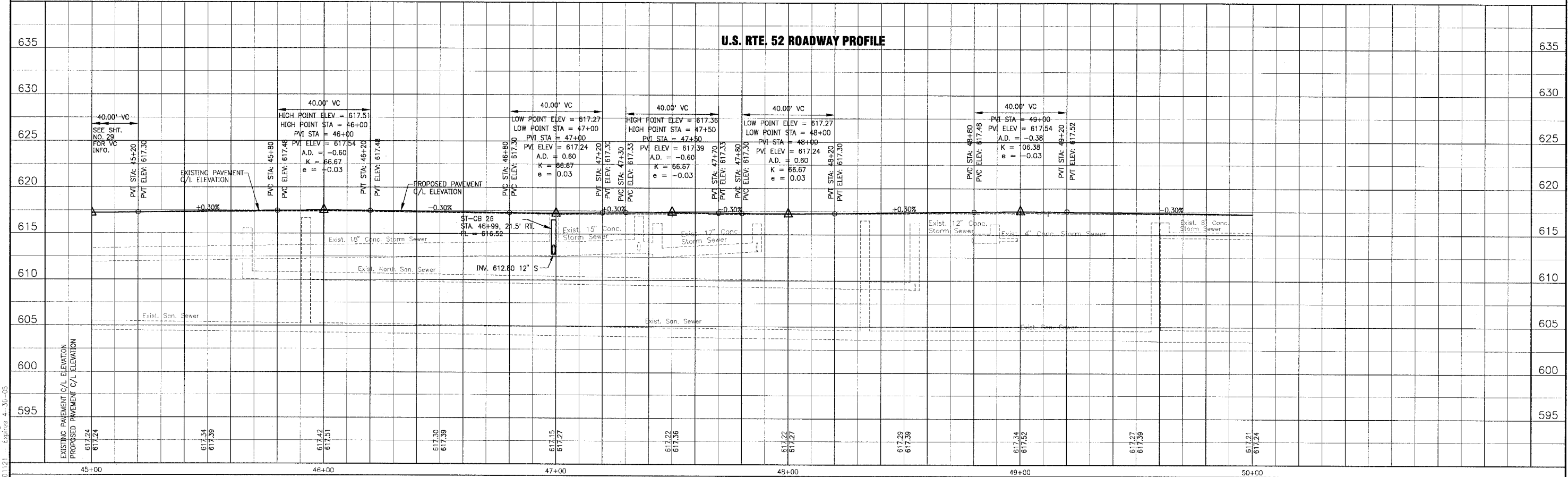


STORM SEWER PIPES
 ST-P 44
 9 LF OF 12" STRG. CL. A, TY 2 @ 1.26%
 T.B.F. = 2.9 C.Y.

CATCH BASINS
 ST-CB 26
 CATCH BASIN, TY C, TY TY 24 F&G
 2' DIA.
 STA. 46+99 21.5' RT.
 FL = 616.52
 INV. 612.80 12" S

- NOTE:
- SEE SHT. NO. 20 FOR GEOMETRIC INFORMATION.
 - DATUM CORRELATION: BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM.

U.S. RTE. 52



I:\SHRWD\010665\DWGS\10665-PRI.dwg
 Plotted: 12-15-04 @ 10:36am By: 231ukb
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. = 188-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: _____ PLOTTED BY: _____

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 815.233.5088
 Rockford, Illinois 815.488.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

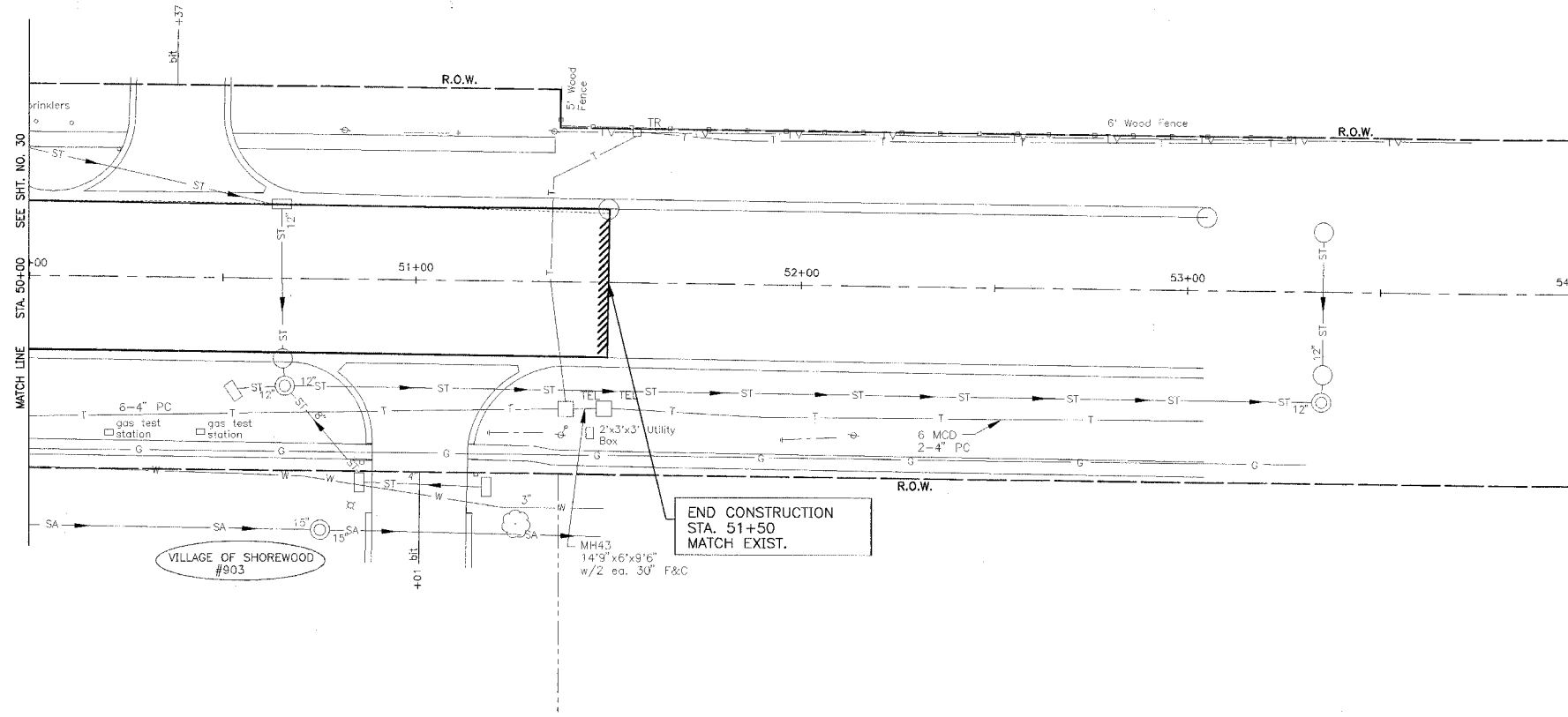
US. ROUTE 52
STA. 45+00 TO STA. 50+00
DRAINAGE & UTILITY PLAN

DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY UKB	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 30 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	31
STA.	TO STA.		FED. ROAD DIST. NO.	
	ILLINOIS		ILLINOIS	
CONTRACT NO. 83786			FED. AID PROJECT CMF-0607 (070)	

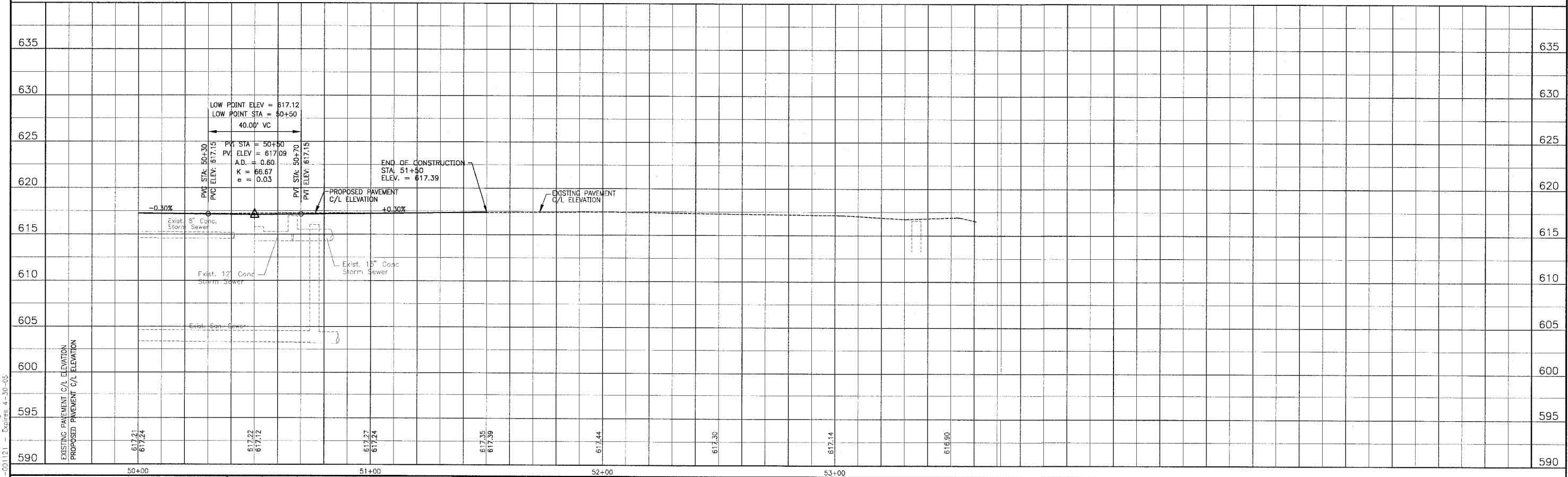


SCALE: 1" = 20'



U.S. RTE. 52

- NOTE:
- SEE SHT. NO. 21 FOR GEOMETRIC INFORMATION.
 - DATUM CORRELATION: BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM.



I:\SHR\0607\0607\DWG\5110665-PRF.dwg
 Plotted: 12-15-04 @ 10:37am By: 231ukb
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 041-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS DRAWING FILE: PLOTTED BY:

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5098
 Rockford, Illinois 815.488.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

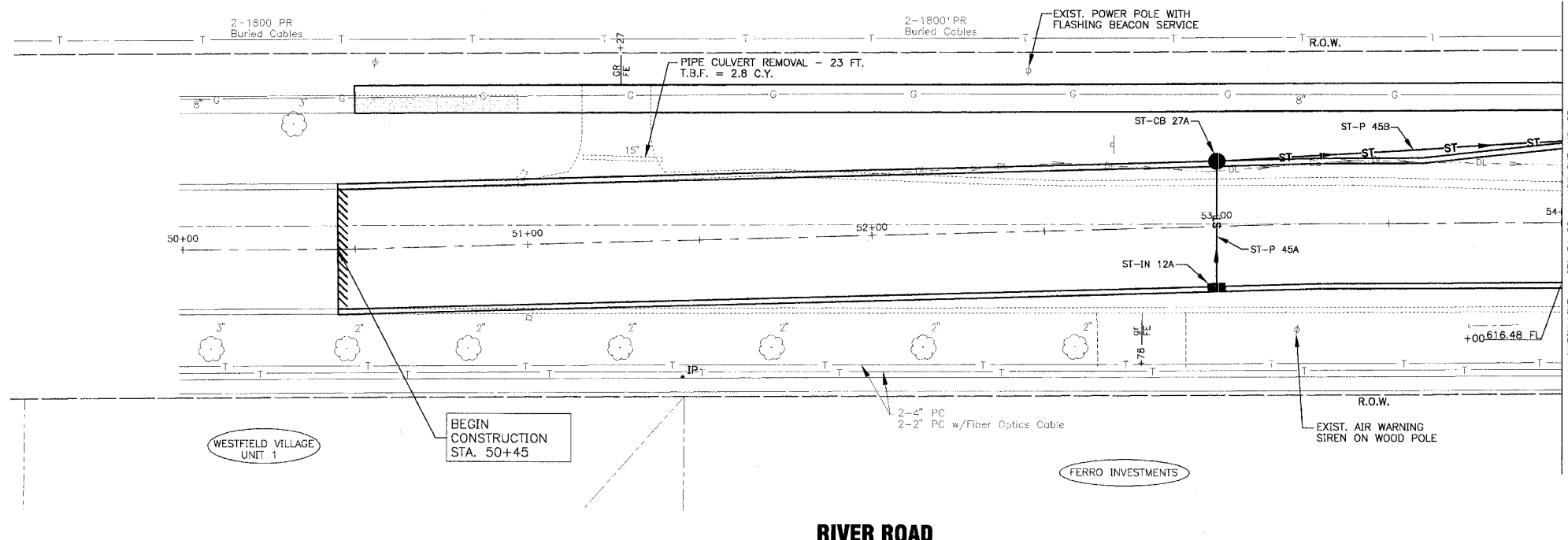
US. ROUTE 52
STA. 50+00 TO STA. 54+00
DRAINAGE & UTILITY PLAN

DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY UKB	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 31 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL.	85	32
STA.	TO STA.	ILLINOIS		FED. AID PROJECT CMF-0607 (07D)
FED. ROAD DIST. NO.		CONTRACT NO. 83786		



SCALE: 1" = 20'



INLETS

ST-IN 12A
INLET, TY A, TY 11 F&G
STA. 53+00 19' RT.
FL = 616.95
INV. 614.20 12" W

CATCH BASINS

ST-CB 27A
CATCH BASIN, TY C, TY 11 F&G
2" DIA.
STA. 53+00 19' LT.
FL = 616.95
INV. 613.84 12" E & N

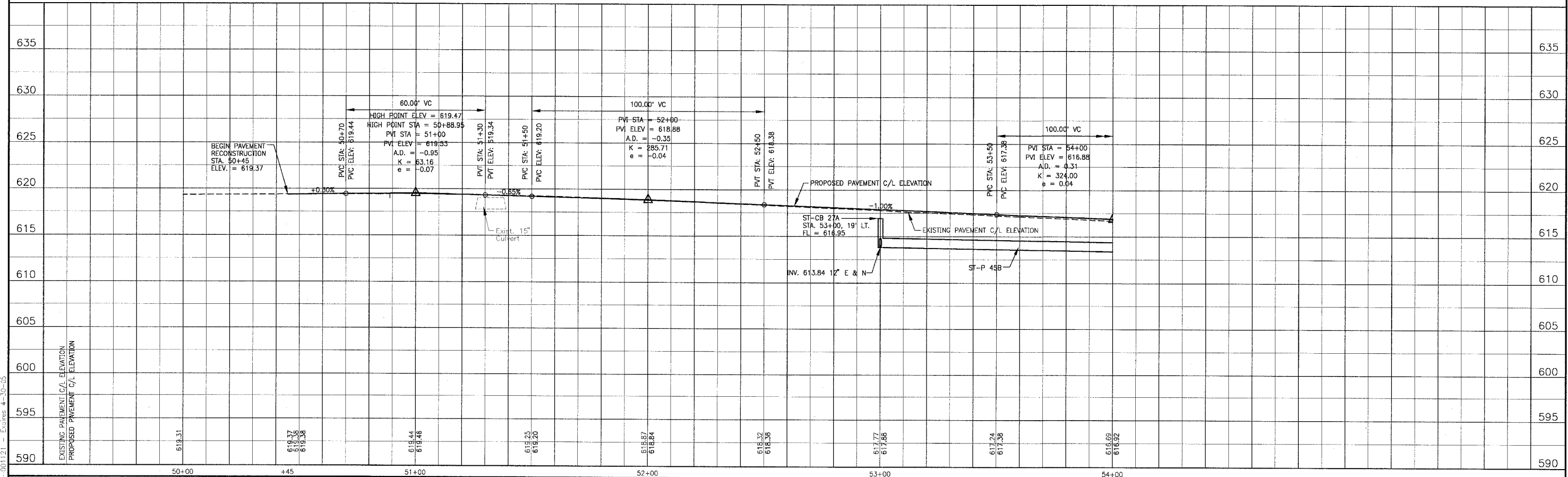
STORM SEWER PIPES

ST-P 45A
36 L.F. OF 12" STRG, CL A, TY 1 @ 1.00%
T.B.F. = 8.5 C.Y.

ST-P 45B
135 L.F. OF 12" STRG, CL A, TY 1 @ 0.45%
T.B.F. = 31.9 C.Y.

- NOTE:
- FOR CONTINUATION SEE SHT. NO. 22 FOR GEOMETRIC INFORMATION.
 - DATUM CORRELATION: BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE ADJUSTED BY -0.12' TO MATCH FEM A REFERENCE MARK DATUM.

RIVER ROAD



I:\SHRWD\010665\DWG\51-00121-01.dwg
 Plotted: 12-15-04 @ 10:43am By: 231ukb
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois Professional Design Firm
 License No. 08-00121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS DRAWING FILE: PLOTTED BY:

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.488.1551

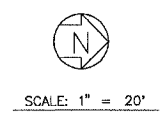
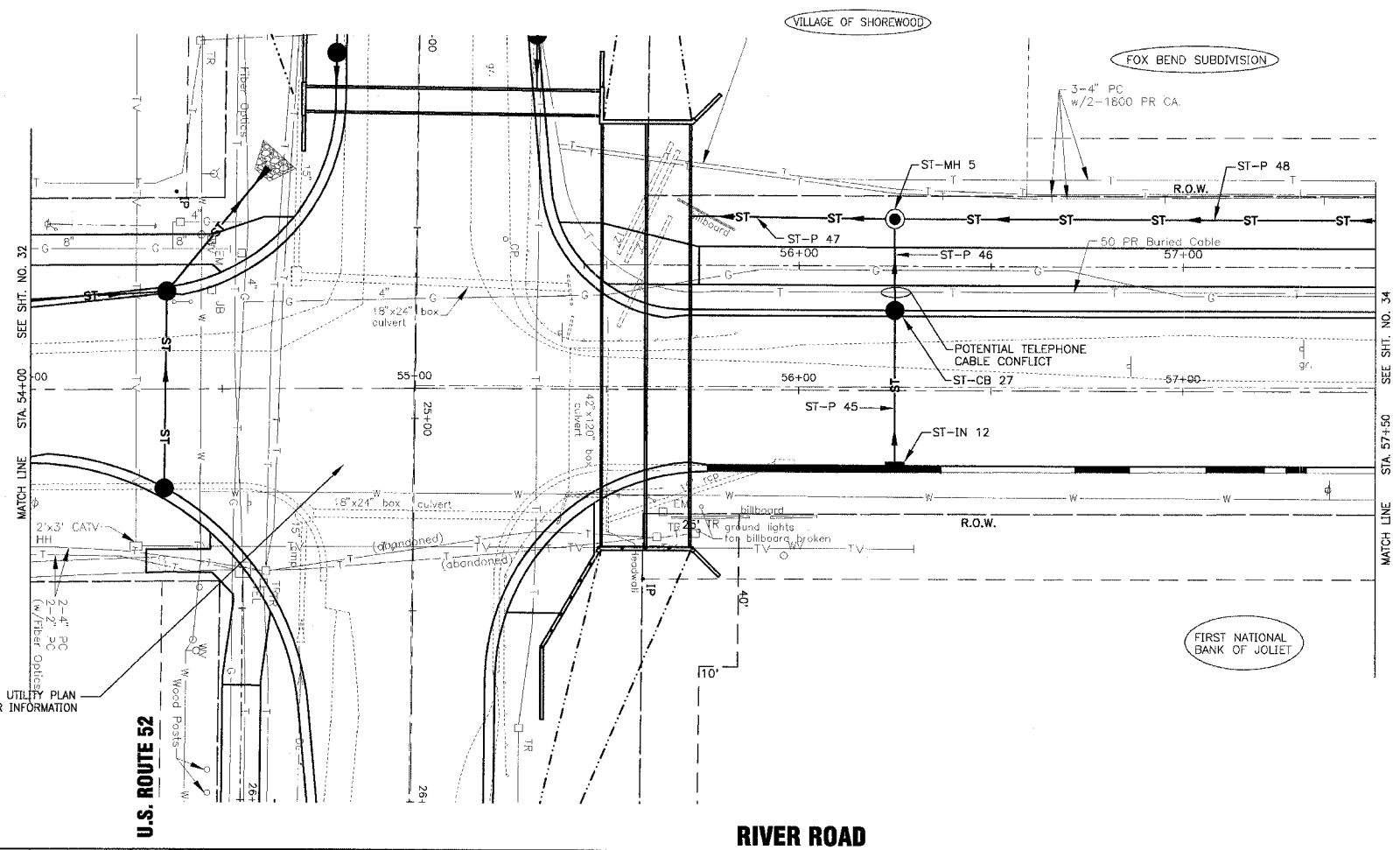
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

RIVER ROAD
STA. 50+00 TO STA. 54+00
DRAINAGE & UTILITY PLAN

DESIGNED BY LDH	SCALE VERT: 1"=5'
DRAWN BY UKB	HORIZ: 1"=20'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 32 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	33
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT CMF-0607 (070)	

CONTRACT NO. 83786



MANHOLES

ST-MH 5
 41 L.F. OF 12" STRG. CL A, TY 1 FR CL
 4' DIA.
 STA. 56+25, 45' LT.
 RIM = 614.70±
 INV. 611.39 12' E
 INV. 611.40 12' N
 INV. 611.19 15' S

STORM SEWER PIPES

ST-P 45
 25 L.F. OF 12" STRG. CL A, TY 2 @ 1.30%
 T.B.F. = 11.4 C.Y.

ST-P 46
 25 L.F. OF 12" STRG. CL A, TY 2 @ 1.30%
 T.B.F. = 7.0 C.Y.

ST-P 47
 53 L.F. OF 15" STRG. CL A, TY 1 @ 0.35%
 T.B.F. = 13.5 C.Y.

ST-P 48
 185 L.F. OF 12" STRG. CL A, TY 2 @ 0.70%
 T.B.F. = 61.0 C.Y.

INLETS

ST-IN 12
 INLET, TY A, TY 11 F&G
 STA. 56+25 21' RT.
 FL = 615.26
 INV. 612.25 12' W

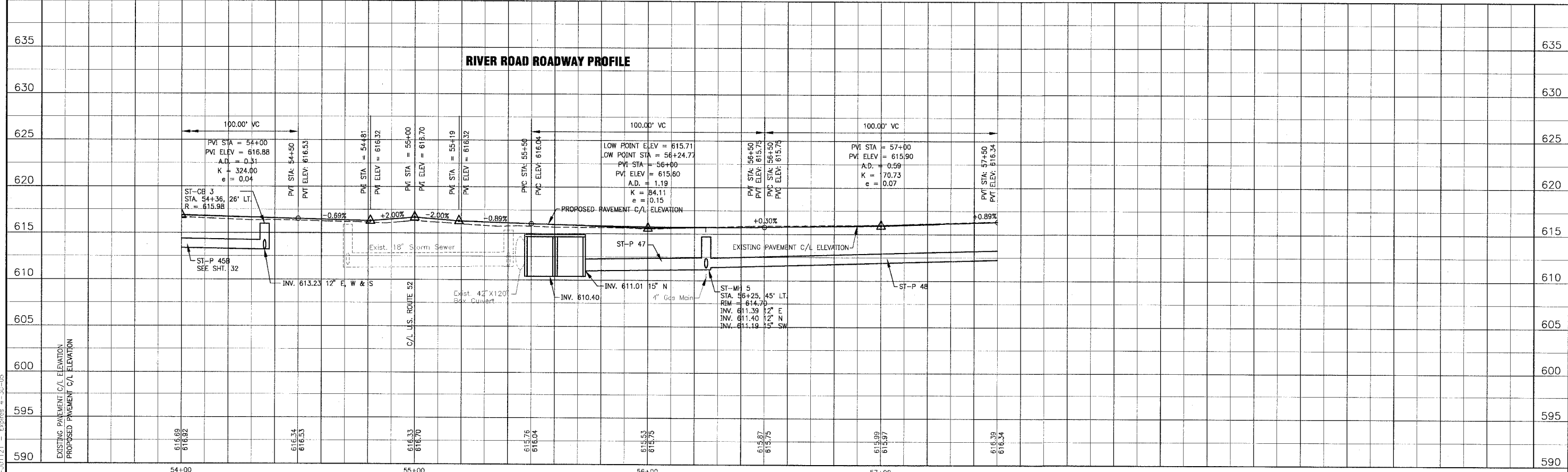
CATCH BASINS

ST-CB 27
 CATCH BASIN, TY C, TY 11 F&G
 2' DIA.
 STA. 56+25 21' LT.
 FL = 615.26
 INV. 611.72 12' E & W

- NOTE:
- FOR CONTINUATION SEE SHT. NO. 23 FOR GEOMETRIC INFORMATION.
 - DATUM CORRELATION: BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM.

SEE U.S. RTE. 52 DRAINAGE AND UTILITY PLAN SHT. NO. 26A FOR STORM SEWER INFORMATION IN INTERSECTION.

RIVER ROAD



T:\SHR\01\0665\DWG\10665-EPF.dwg
 Plotted: 12-15-04 @ 11:07am by 331\ubb
 Copyright © 2004 by Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS DRAWING FILE: PLOTTED BY:

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1280
 Burlington, Wisconsin 262.768.7884
 Makeno, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Crayslake, Illinois 847.223.6088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

RIVER ROAD
STA. 54+00 TO STA. 57+50
DRAINAGE & UTILITY PLAN

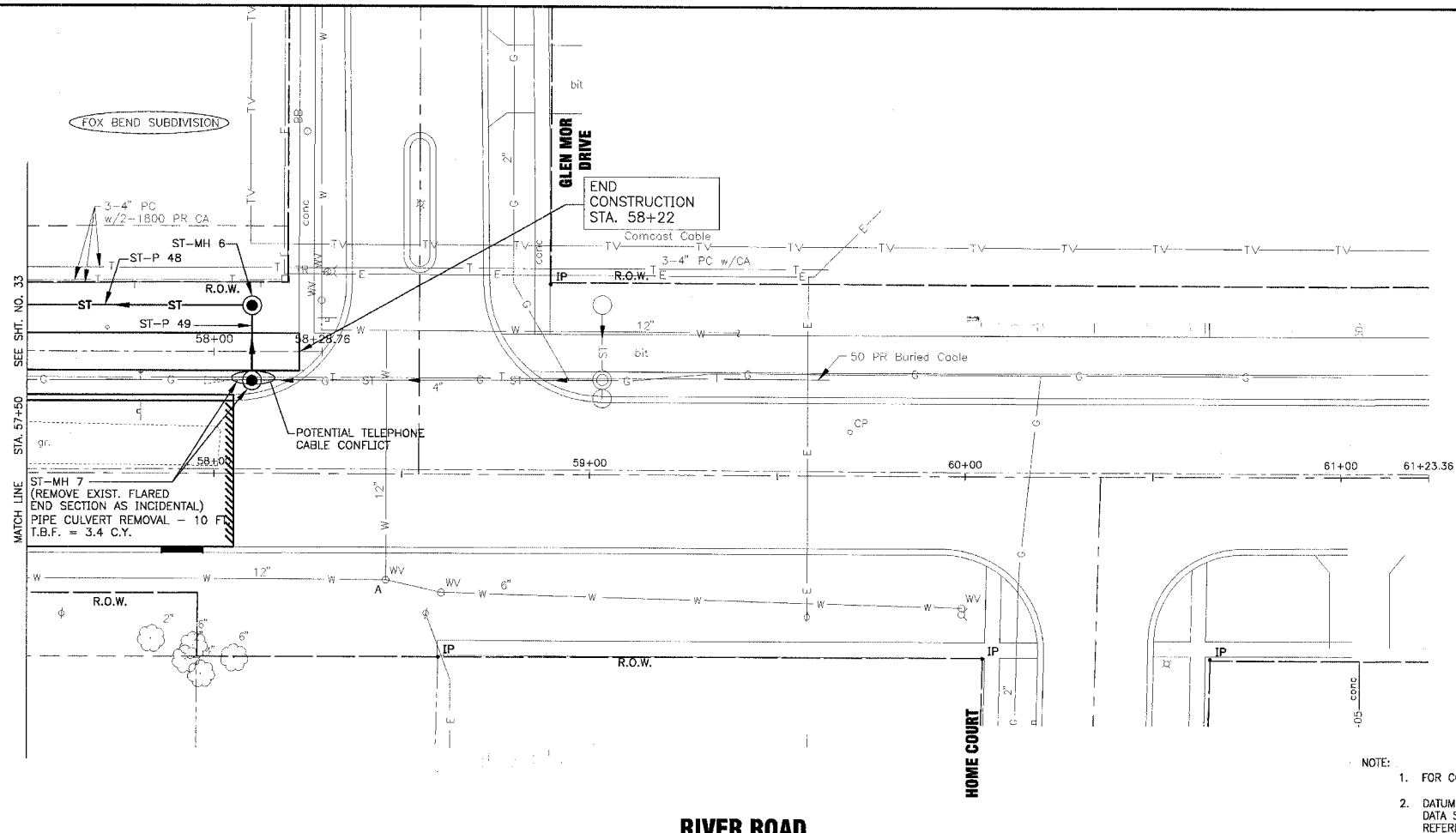
DESIGNED BY LDH
 DRAWN BY UKB
 CHECKED BY LDH
 DATE 10-05-04

SCALE VERT: 1"=5'
 HORIZ: 1"=20'

PROJECT NO. 010665
 SHEET NO. 33 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	34
STA.	TO STA.		ILLINOIS	
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT CMF-0607 (070)	

CONTRACT NO. 83786



SCALE: 1" = 20'

MANHOLES

ST-MH 6
MANHOLE, TY A, TY 1 FR CL
4' DIA.
STA. 58+10, 45' LT.
RIM = 617.15±
INV. 612.69 12" E & S

ST-MH 7
MANHOLE, TY A, TY 1 FR CL
4' DIA.
STA. 58+10, 25' LT.
RIM = 616.85±
INV. 612.93 12" N
INV. 612.83 12" W

STORM SEWER PIPES

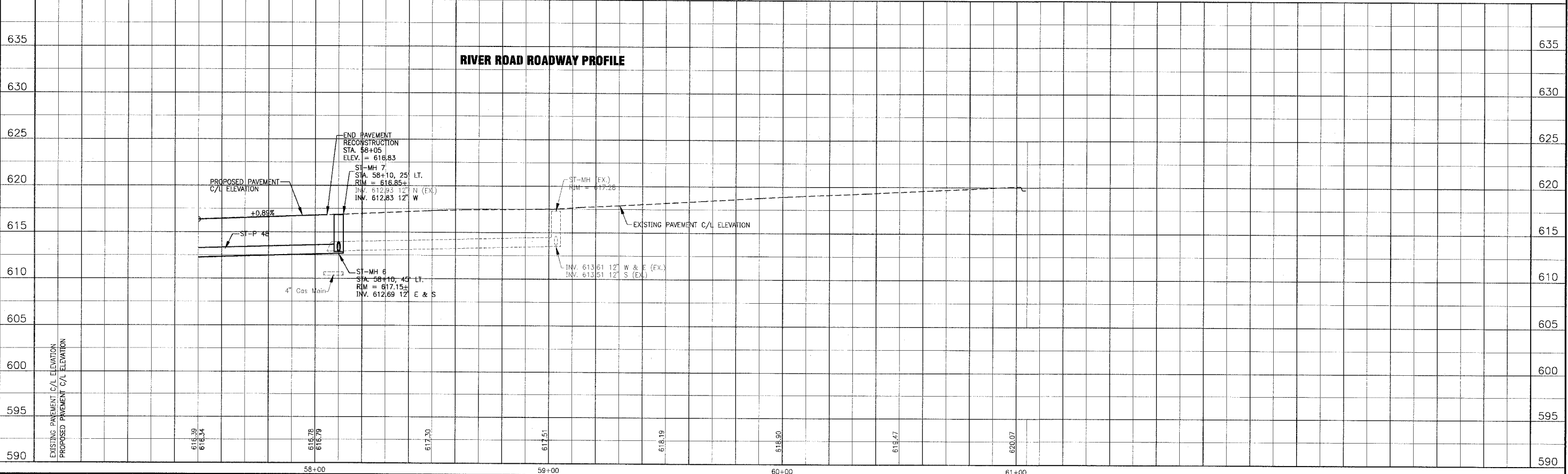
ST-P 48
SEE SHT. 33 FOR INFORMATION

ST-P 49
20 L.F. OF 12" STRG. CL A, TY 2 @ 0.70%
T.B.F. = 7.2 C.Y.

- NOTE:
- FOR CONTINUATION SEE SHT. NO. 24 FOR GEOMETRIC INFORMATION.
 - DATUM CORRELATION: BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM.

RIVER ROAD

RIVER ROAD ROADWAY PROFILE



I:\SHERMAN\010665\DWG\10665-PRF.dwg
 Plotted: 12-15-04 @ 11:03am by: 231ulb
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois Professional Design Firm
 License No. 184-001021 - Expires 11-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: PLOTTED BY:

BAXTER & WOODMAN
Consulting Engineers

Baxter & Woodman
Crystal Lake, Illinois 815.459.1280
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.3111
Crayslake, Illinois 847.223.5088
Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

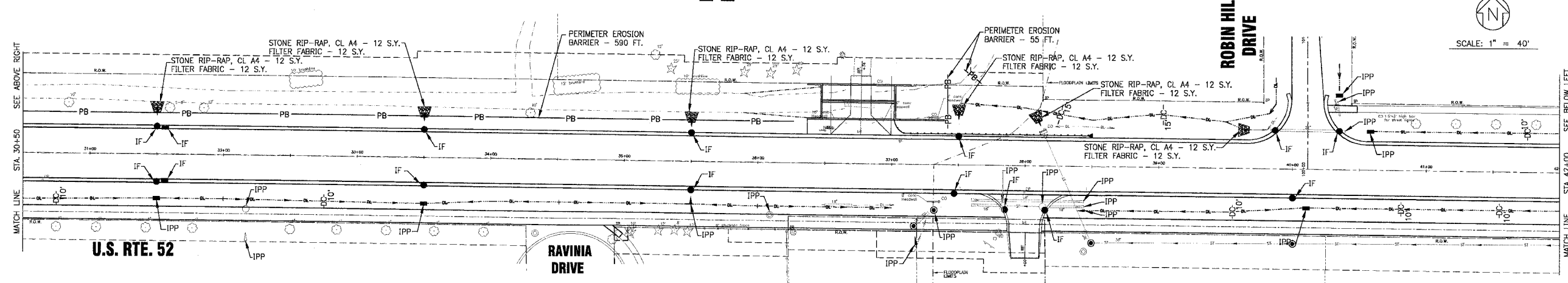
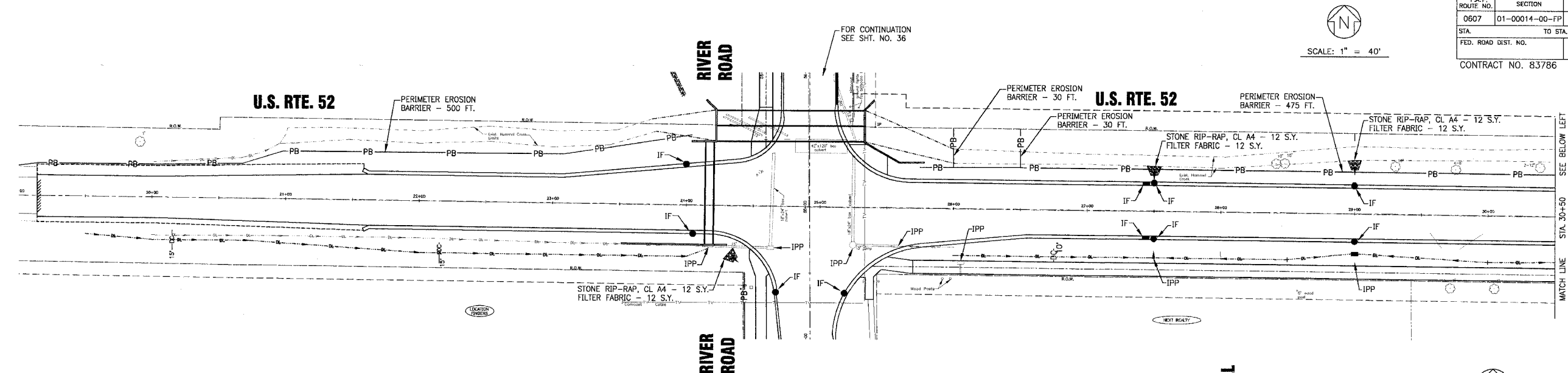
RIVER ROAD
STA. 57+50 TO STA. 61+00
DRAINAGE & UTILITY PLAN

DESIGNED BY	LDH	SCALE VERT: 1"=5'
DRAWN BY	LDH	HORIZ: 1"=20'
CHECKED BY	LDH	PROJECT NO. 010665
DATE	10-05-04	SHEET NO.

34 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	35
STA.	TO STA.	ILLINOIS	FED AID PROJECT	
			CMF-0607 (070)	

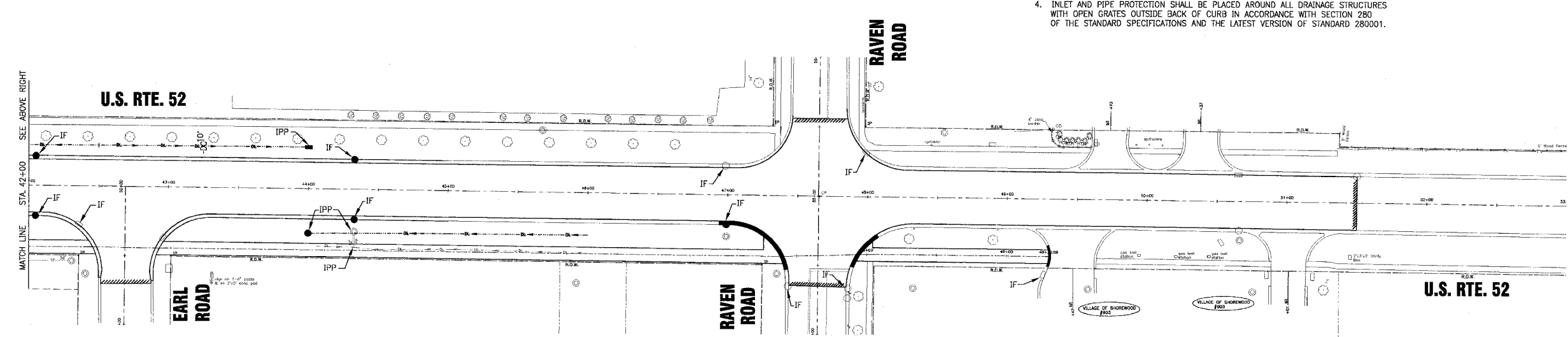
CONTRACT NO. 83786



SCHEDULE OF EROSION CONTROL QUANTITIES		
PERIMETER EROSION BARRIER	FOOT	2280
TEMPORARY DITCH CHECKS	EACH	12
INLET AND PIPE PROTECTION	EACH	31
STONE RIP-RAP, CLASS A4	SQ. YD.	106
FILTER FABRIC FOR USE WITH RIP-RAP	SQ. YD.	106
INLET FILTERS	EACH	39

LEGEND	
DC	TEMPORARY DITCH CHECKS
PB	PERIMETER EROSION BARRIER
IPP	INLET AND PIPE PROTECTION
IF	DRAINAGE STRUCTURE INLET FILTER

- SEDIMENTATION AND EROSION CONTROL NOTES**
1. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE.
 2. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT.
 3. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION.
 4. INLET AND PIPE PROTECTION SHALL BE PLACED AROUND ALL DRAINAGE STRUCTURES WITH OPEN GRATES OUTSIDE BACK OF CURB IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS AND THE LATEST VERSION OF STANDARD 280001.



IN SHOWN 010666 DWGS) 10665-ES05.dwg
 Plotted: 12-15-04 @ 11:03am By: 2317jdb
 Copyright © 2004, By: Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1280
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Craystone, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

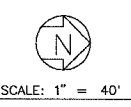
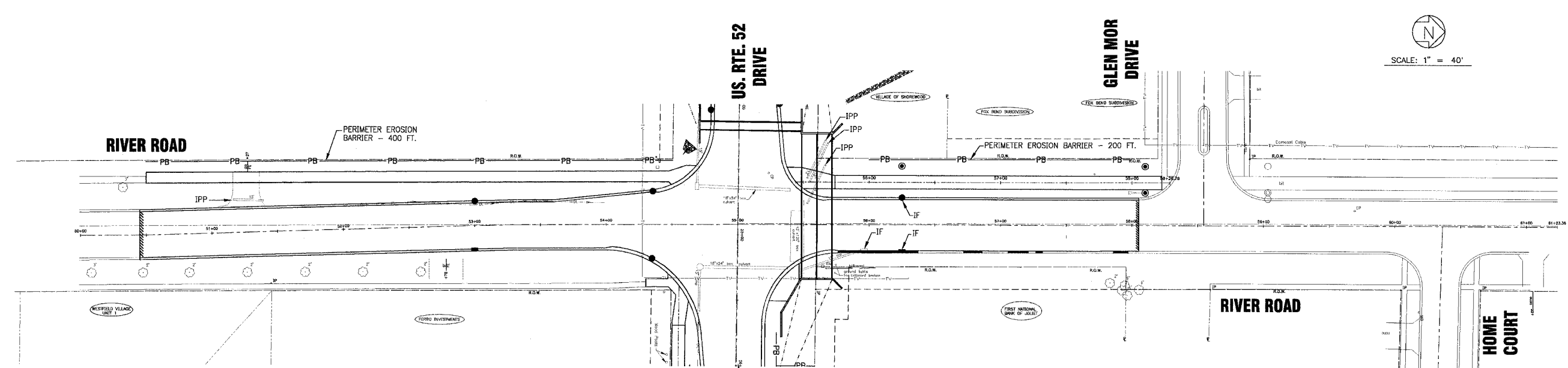
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

TEMPORARY EROSION CONTROL PLAN
US. RTE. 52

DESIGNED BY	LDH	SCALE	HORIZ: 1"=40'
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	35 OF 85
DATE	10-05-04		

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL.	85	36
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED AID PROJECT CMF-0607 (070)	

CONTRACT NO. 83786



LEGEND

— DC —	TEMPORARY DITCH CHECKS
— PB —	PERIMETER EROSION BARRIER
IPP	INLET AND PIPE PROTECTION
IF	DRAINAGE STRUCTURE INLET FILTER

FOR CONTINUATION SEE SHT. NO. 35

I:\SHRMD\010665\DWG\10665-EROS.dwg
 Plotted: 12-15-04 @ 11:04am By: 23766
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois
 License No. 34-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW
* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS			
DRAWING FILE:		PLOTTED BY:	

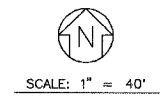
BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1280
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

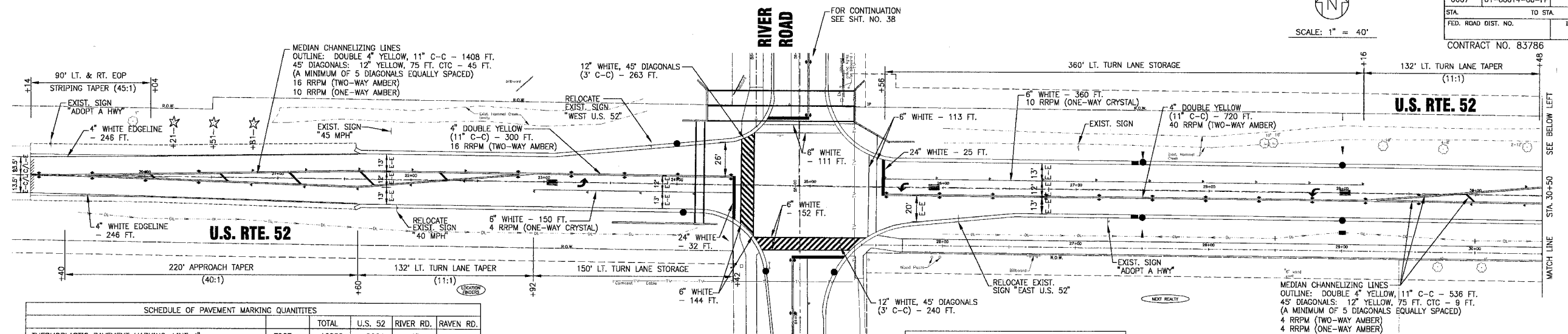
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

TEMPORARY EROSION CONTROL PLAN
RIVER ROAD / NORTH RIVER ROAD

DESIGNED BY LDH	SCALE HORIZ: 1" = 40'
DRAWN BY LKB	PROJECT NO. 010665
CHECKED BY LDH	SHEET NO.
DATE 10-05-04	36 OF 85



CONTRACT NO. 83786

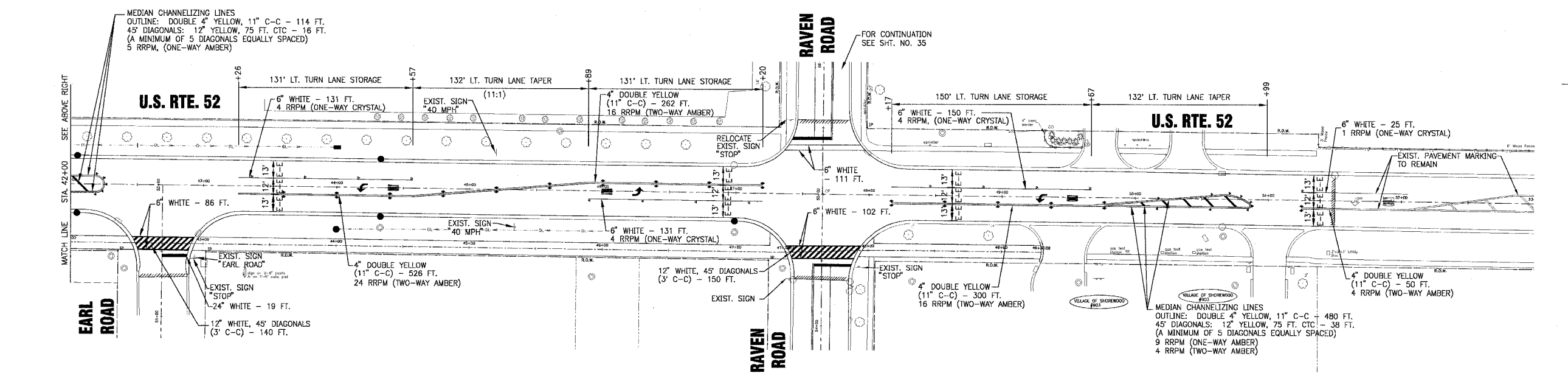
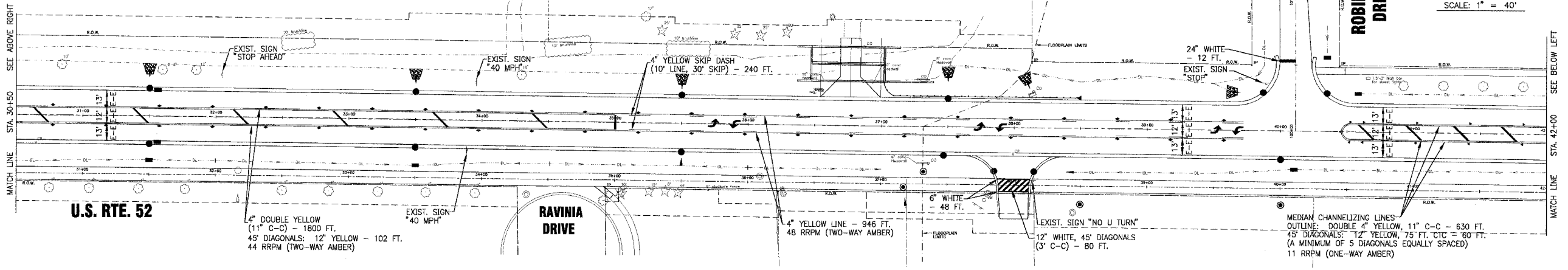


SCHEDULE OF PAVEMENT MARKING QUANTITIES

	UNIT	TOTAL	U.S. 52	RIVER RD.	RAVEN RD.
THERMOPLASTIC PAVEMENT MARKING, LINE 4"	FOOT	12680	8804	1704	2372
THERMOPLASTIC PAVEMENT MARKING, LINE 6"	FOOT	2178	1683	285	210
THERMOPLASTIC PAVEMENT MARKING, LINE 12"	FOOT	1461	1127	246	88
THERMOPLASTIC PAVEMENT MARKING, LINE 24"	FOOT	211	143	68	0
THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	SQ. FT.	458	312	73	73
RAISED REFLECTIVE PAVEMENT MARKERS	EACH	362	298	64	0
PAVEMENT MARKING REMOVAL	SQ. FT.	1392	0	5	1387
RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	116	96	20	0

SCHEDULE OF LANDSCAPING PLANTINGS

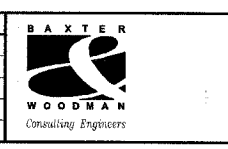
	AUTUMN BLAZE FREEMAN MAPLE	EACH	2
	PRAIRIE PRIDE HACKBERRY	EACH	2
	RED JEWEL CRAB APPLE	EACH	10



I:\SHRWD\10665\DWG\10665-STRP.dwg
 Plotter: 12-15-04 @ 11:05am By: 231uab
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois's Professional Design Firm
 License No. 184-001211 - Expires 4-30-06

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS DRAWING FILE: PLOTTED BY:

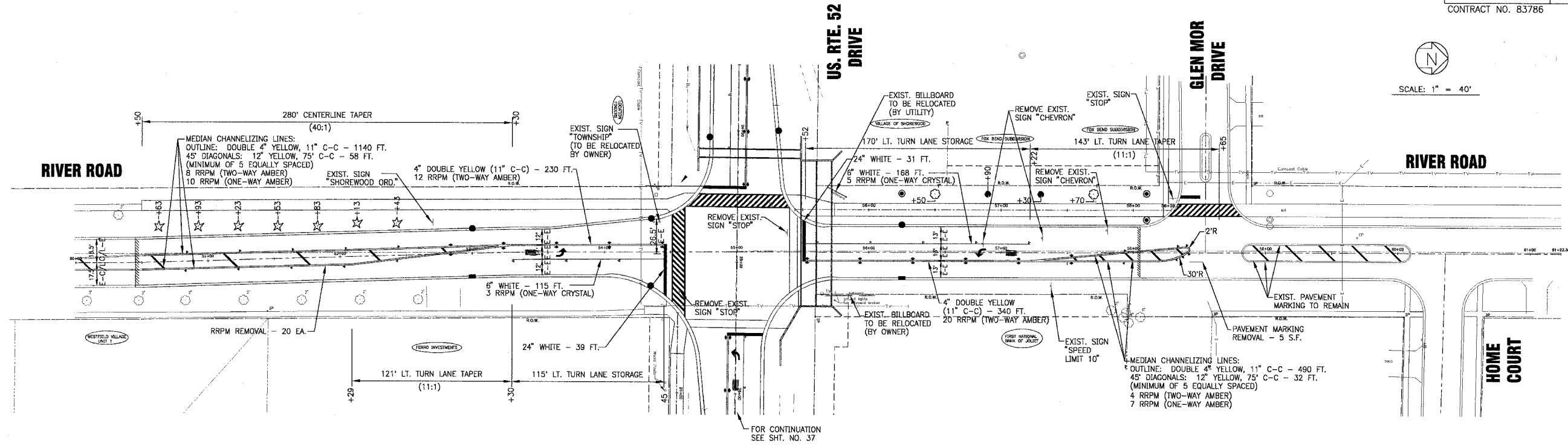


Baxter & Woodman
 Crystal Lake, Illinois 815.459.1280
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graystake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

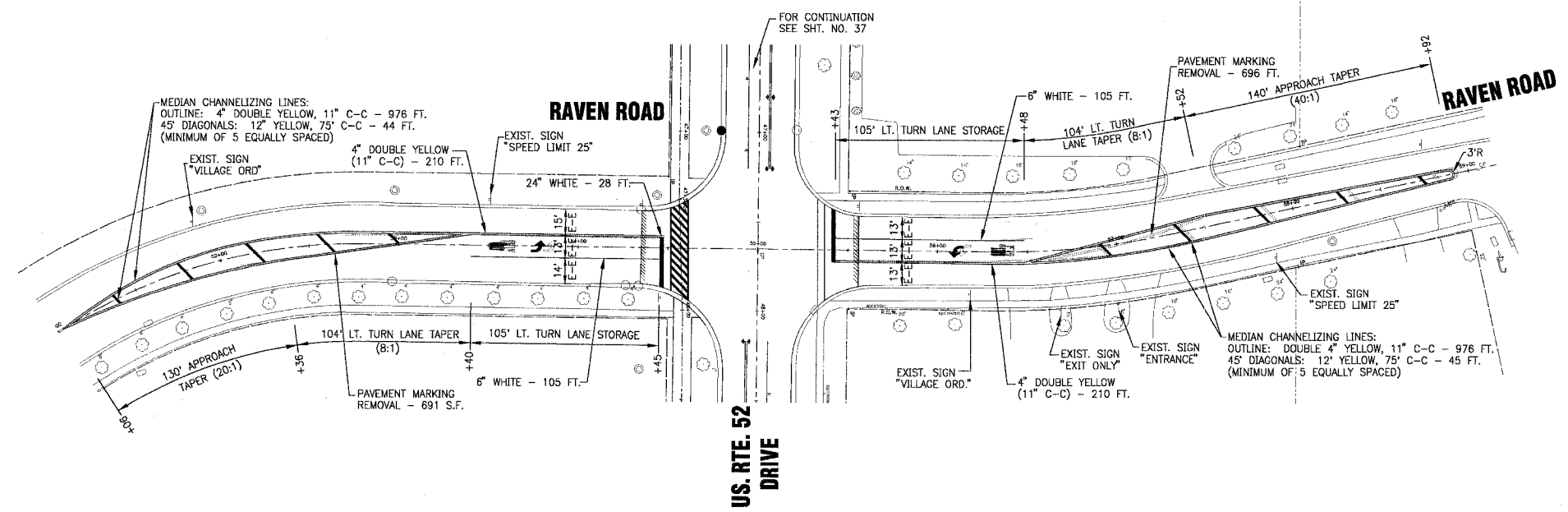
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

PAVEMENT MARKING, LANDSCAPING AND SIGNAGE PLAN
U.S. RTE. 52

DESIGNED BY	SCALE
LDH	HORIZ: 1"=40'
DRAWN BY	PROJECT NO.
UKB	010665
CHECKED BY	SHEET NO.
LDH	
DATE	
10-05-04	37 OF 85



SCHEDULE OF LANDSCAPING PLANTINGS			
	AUTUMN BLAZE FREEMAN MAPLE	EACH	2
	PRAIRIE PRIDE HACKBERRY	EACH	2
	RED JEWEL CRAB APPLE	EACH	10



I:\SHERWOOD\010665\DWG\010665-SITP.dwg
 Plotted: 12-15-04 @ 11:12am By: 231Ldb
 Copyright © 2004, By: Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 151-2001-221 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: _____ PLOTTED BY: _____



Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7894
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Craylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1651

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

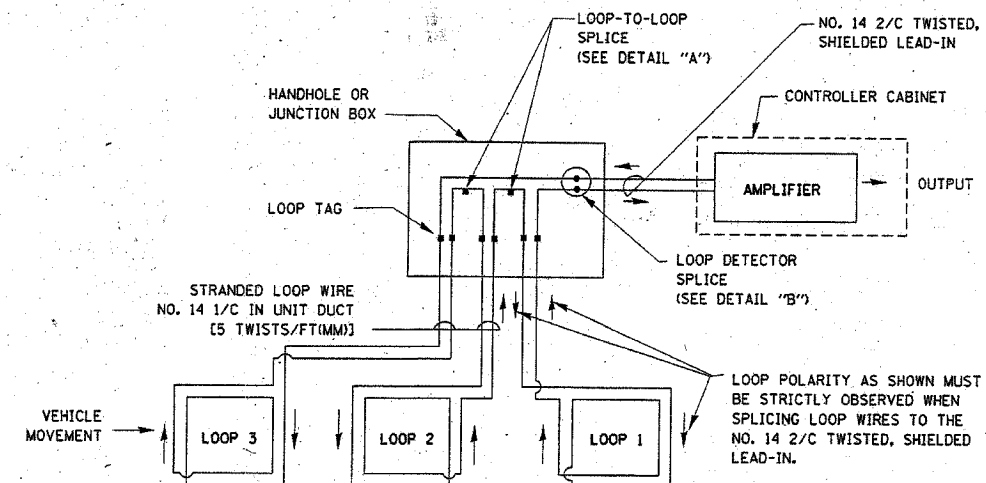
PAVEMENT MARKING
LANDSCAPING AND SIGNAGE PLAN
RIVER ROAD AND RAVEN ROAD

DESIGNED BY LDH	SCALE HORIZ: 1"=40'
DRAWN BY UKB	PROJECT NO. 010665
CHECKED BY LDH	SHEET NO.
DATE 10-05-04	38 OF 85

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-PP	WILL	85	39
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83786		F-0607 (020)		

LOOP DETECTOR NOTES

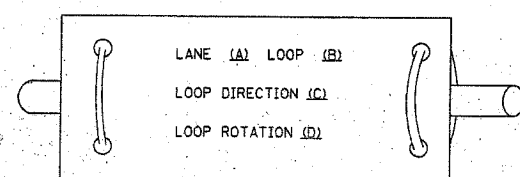
- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED 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 DIVESHOLES 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.
- PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PERFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



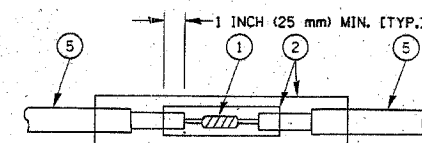
DETECTOR LOOP WIRING SCHEMATIC

- 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.

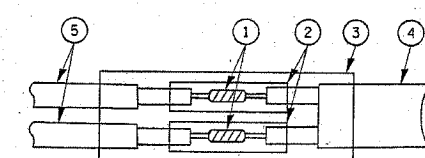
LOOP LEAD-IN CABLE TAG



- 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

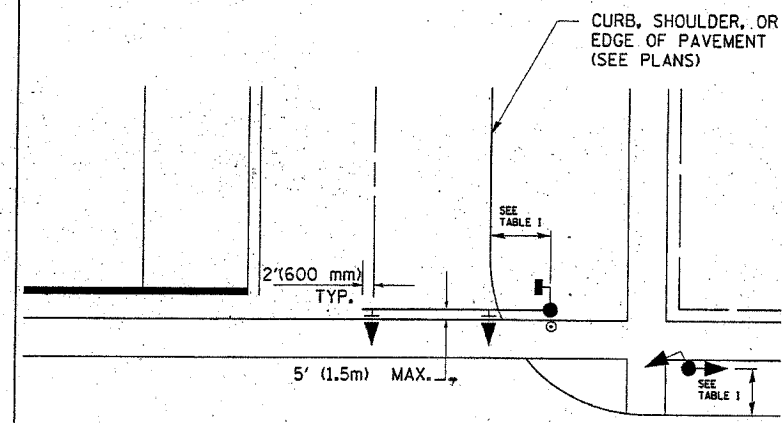
- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
-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

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

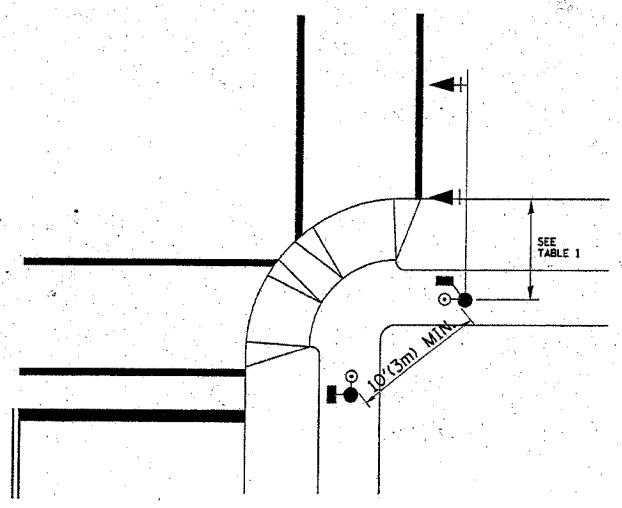
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-PP	WILL	85	40
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 83786		F-0607 (040)		

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

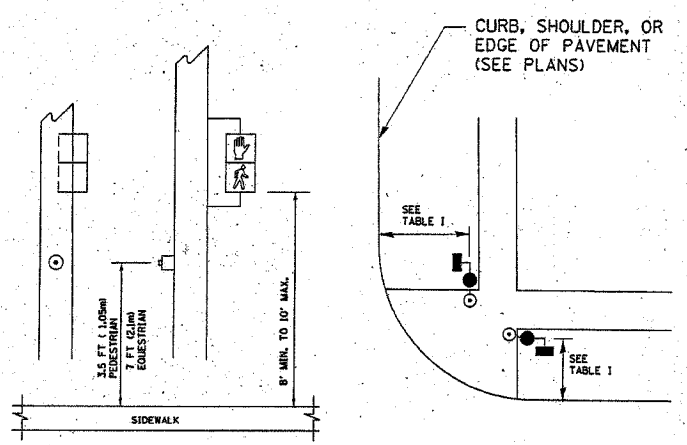
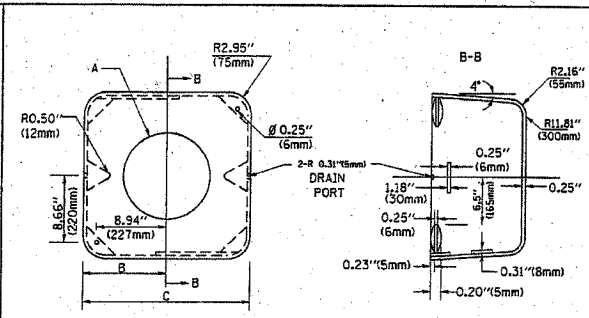
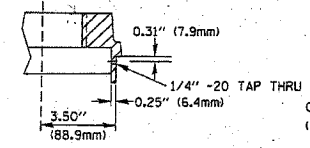
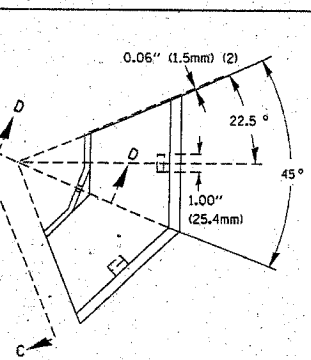
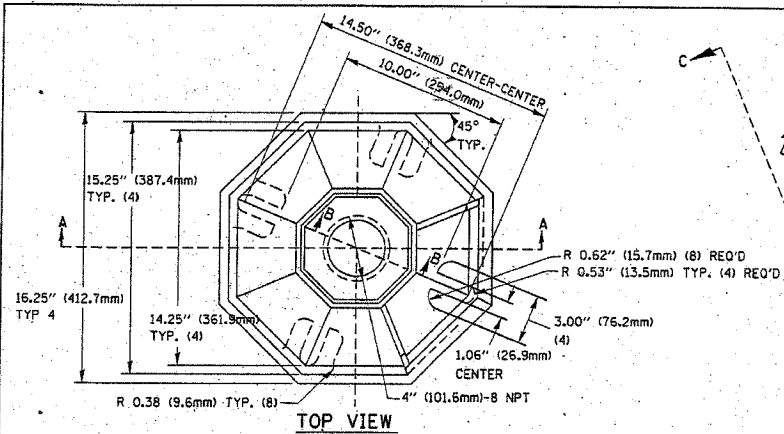


TABLE I

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	DRAWN BY: RWP DESIGNED BY: DAZ CHECKED BY: DAZ SHEET 2 OF 4
NAME	DATE		

I:\SHRIDA\010665\DWGSA\10665-SGNL-DETS.dwg
 Plotted: 12-15-04 @ 11:13am By: 231ubb
 Copyright © 2004, By Barber & Woodman, Inc.
 State of Illinois Professional Design Firm
 License No. - 184-00121 - Expires 4-30-05

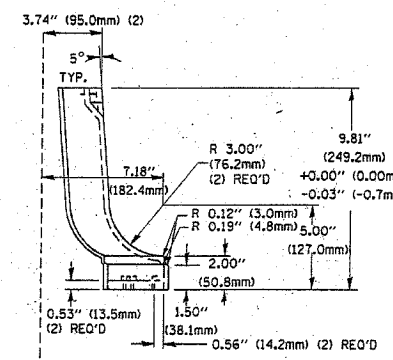
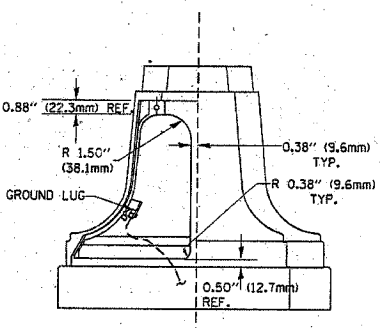
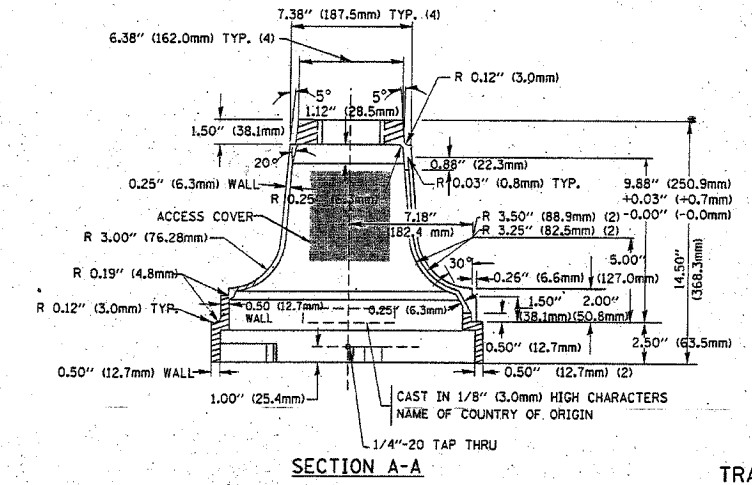


TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125\" (257mm)	9.5\" (241mm)	19\" (483mm)	12\" (300mm)	24kg
II	Ø 11.125\" (283mm)	10.75\" (273mm)	21.5\" (546mm)	12\" (300mm)	26kg

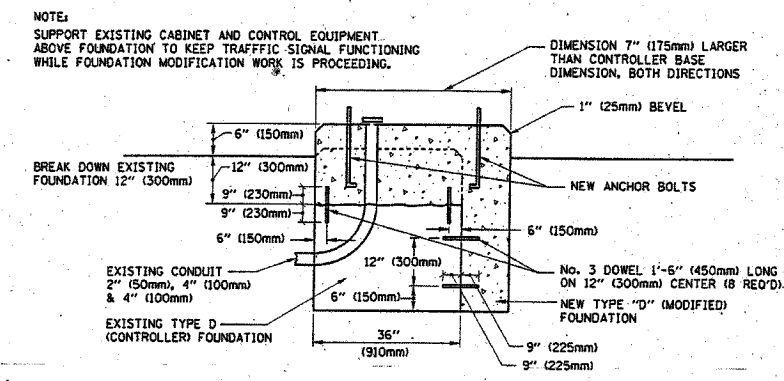
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	42

CONTRACT NO. 83786 F-0607 (020)

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

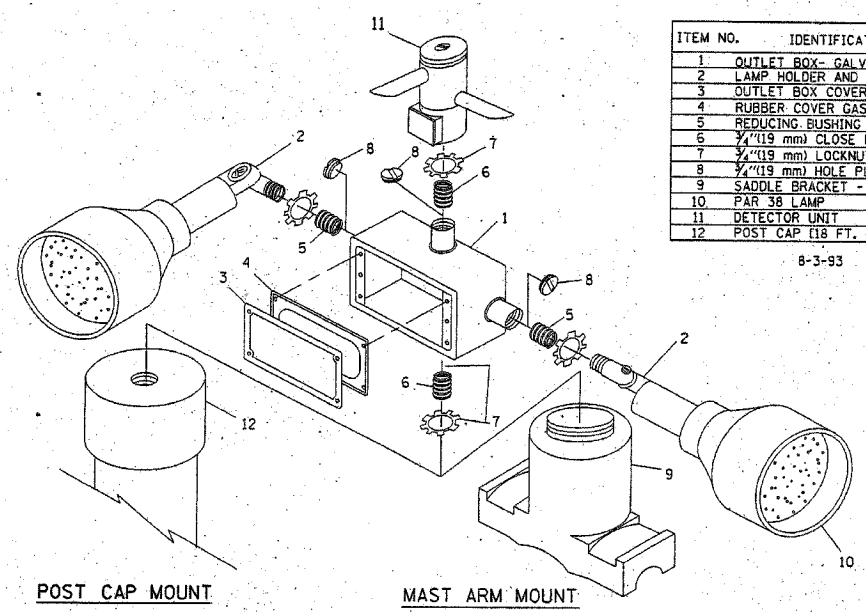


TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



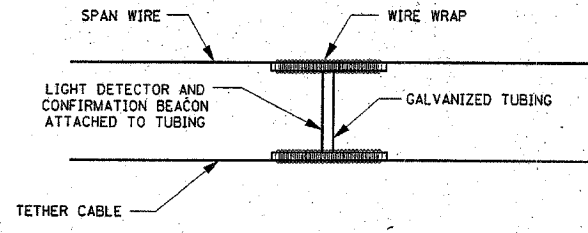
NOTE:
 SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.

MODIFY EXISTING TYPE "D" FOUNDATION

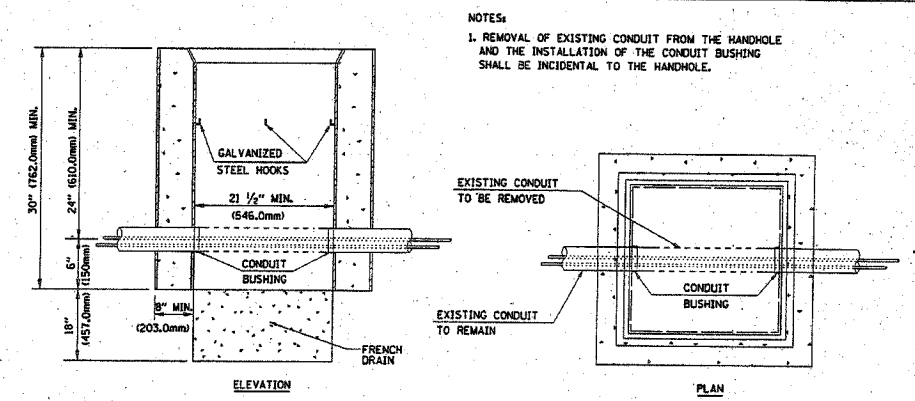


ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CULIN (0.003544 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4\" (19 mm) CLOSE NIPPLE
7	3/4\" (19 mm) LOCKNUT
8	3/4\" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP (18 FT. (5.4 m) POST MIN.)

NOTES:
 1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
 2. 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
 3. 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)

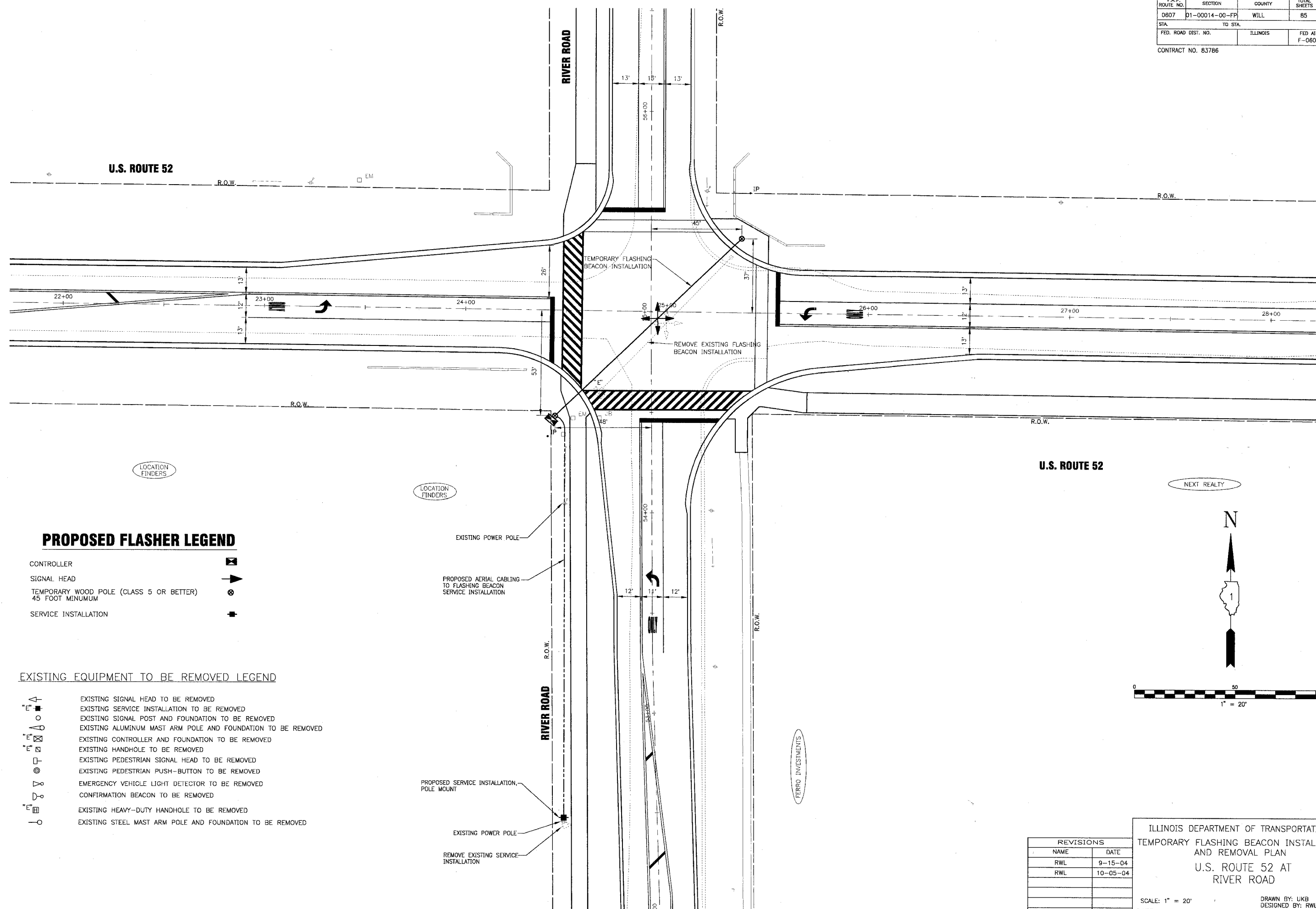


DETAIL HANDHOLE TO INTERCEPT EXISTING CONDUIT N.T.S.

REVISIONS	
NAME	DATE

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

I:\SFRWP\010665\DWGS\10665-SGNL-DETS.dwg
 Plotted: 12-15-04 @ 11:18am By: 231ubb
 Copyright © 2004, by Barber & Woodman, Inc.
 State of Illinois Professional Design Firm
 License No. 184-001721 - Expires 1-30-05



PROPOSED FLASHER LEGEND

- CONTROLLER
- SIGNAL HEAD
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
- SERVICE INSTALLATION

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

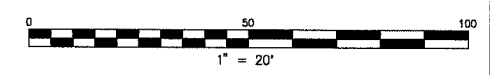
LOCATION FINDERS

EXISTING POWER POLE
 PROPOSED AERIAL CABLING TO FLASHING BEACON SERVICE INSTALLATION

PROPOSED SERVICE INSTALLATION, POLE MOUNT
 EXISTING POWER POLE
 REMOVE EXISTING SERVICE INSTALLATION

U.S. ROUTE 52

NEXT REALTY



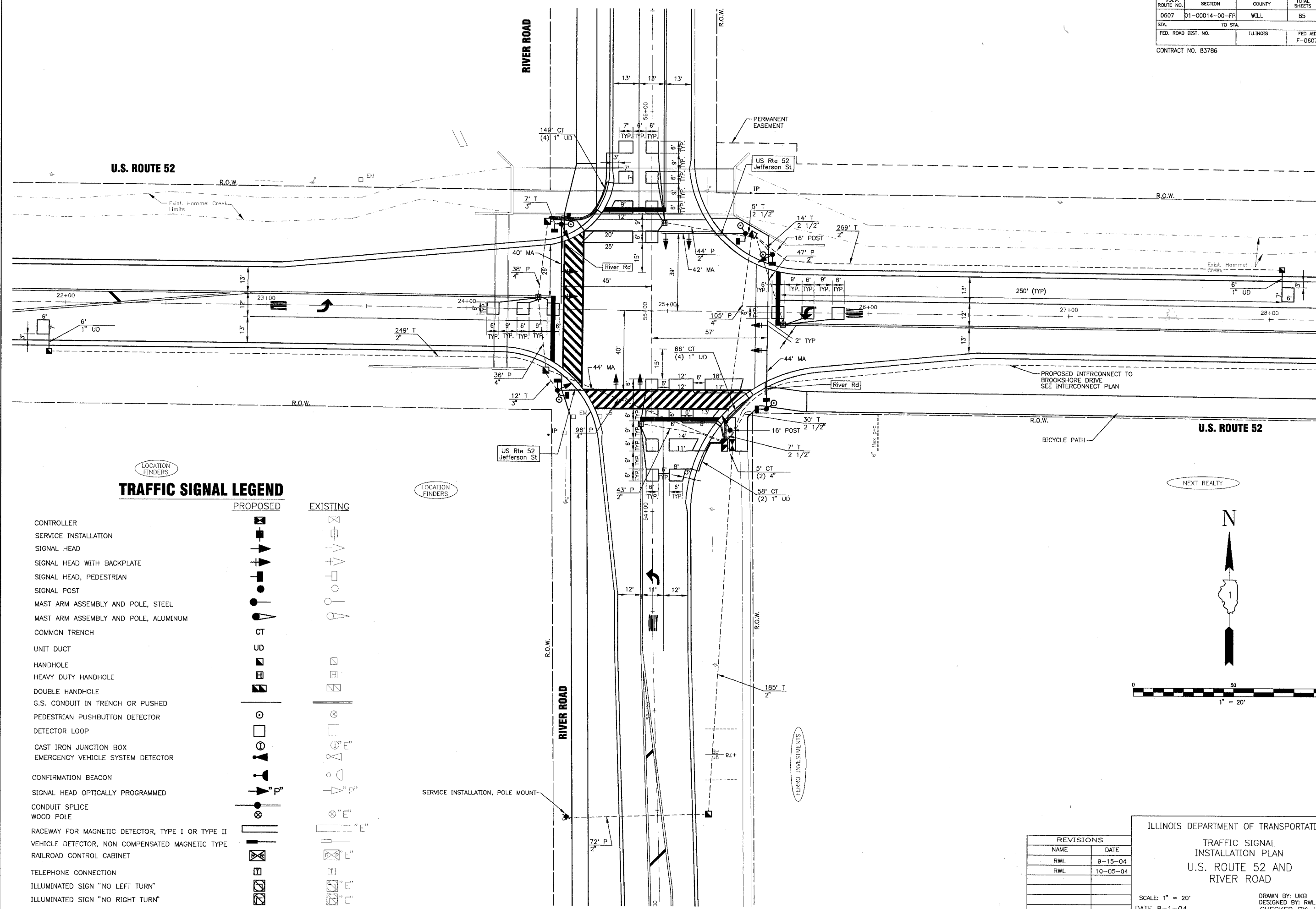
REVISIONS	
NAME	DATE
RWL	9-15-04
RWL	10-05-04

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TEMPORARY FLASHING BEACON INSTALLATION AND REMOVAL PLAN
 U.S. ROUTE 52 AT RIVER ROAD

SCALE: 1" = 20'
 DATE 8-1-04

DRAWN BY: UKB
 DESIGNED BY: RWL
 CHECKED BY: LDH

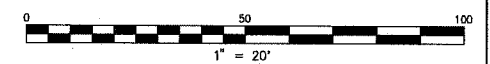
I:\SHRIMP\010665\DWG\10666_SCN\LS.dwg
 Plotted: 12-22-04 @ 11:01 AM By: 2317a
 Copyright © 2004, by Bentler & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05



TRAFFIC SIGNAL LEGEND

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

NEXT REALTY

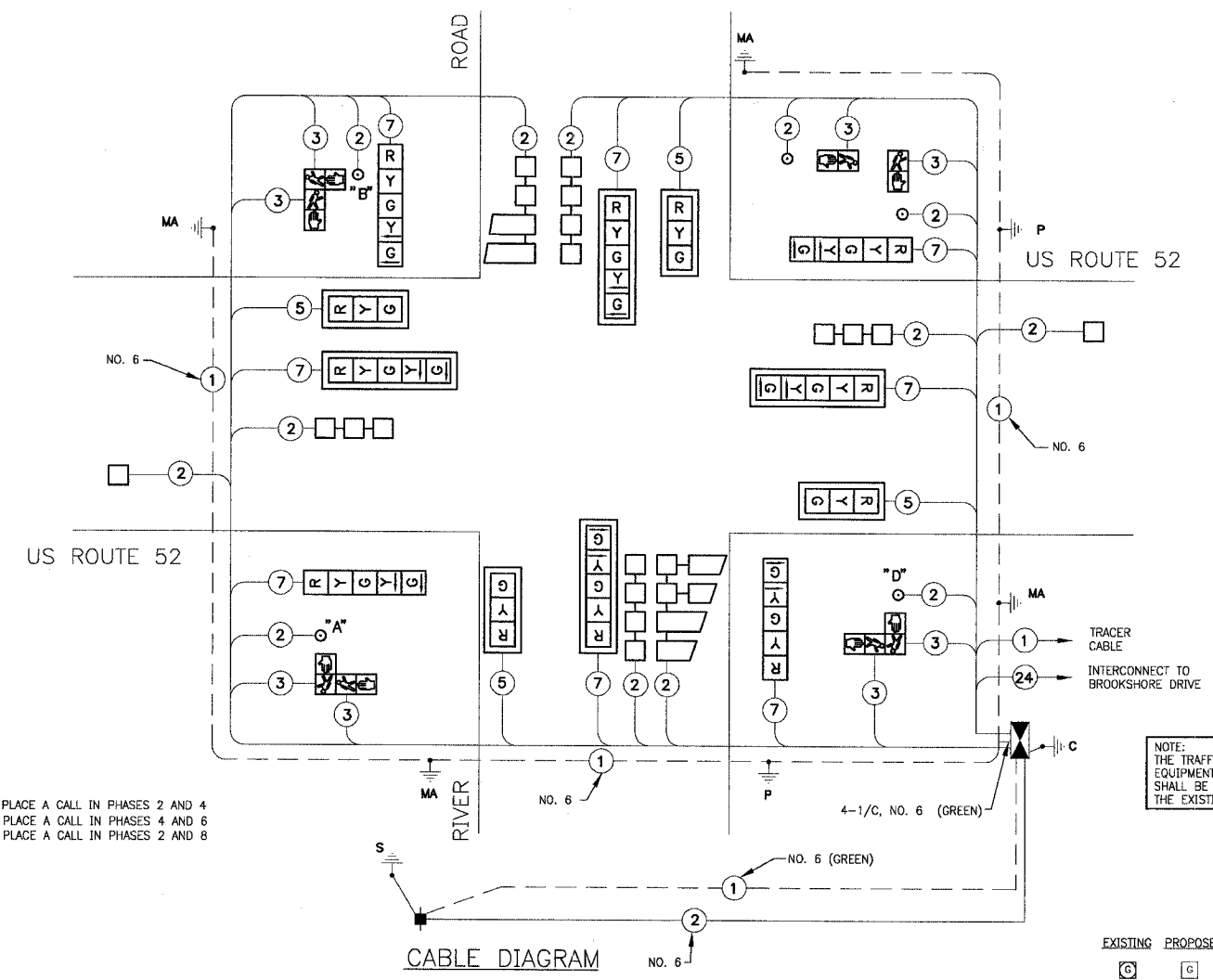
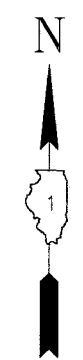


REVISIONS	
NAME	DATE
RWL	9-15-04
RWL	10-05-04

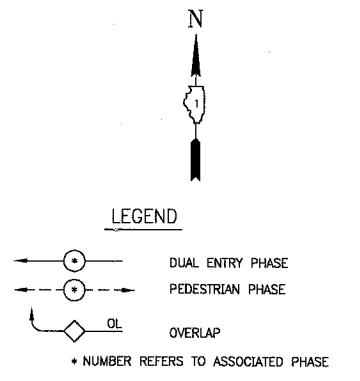
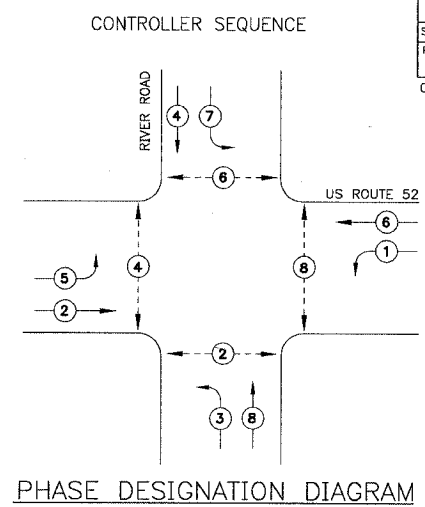
ILLINOIS DEPARTMENT OF TRANSPORTATION
**TRAFFIC SIGNAL
 INSTALLATION PLAN**
 U.S. ROUTE 52 AND
 RIVER ROAD

SCALE: 1" = 20'
 DATE 8-1-04
 DRAWN BY: UKB
 DESIGNED BY: RWL
 CHECKED BY: LDH

I:\SHRWD\010665\DWGS\10665-SIGNI.dwg
 Plotted: 12-15-04 @ 11:26am By: 231ukb
 Copyright © 2004, By: Boxer & Wozniak, Inc.
 State of Illinois - Professional Design Firm
 License No. 04-001121 - Expires 4-30-05



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



SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	12
SIGN PANEL - TYPE 2	SQ FT	30
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	775
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	63
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	19
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	134
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	275
HANDHOLE	EACH	6
HEAVY DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	867
MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1
FULL - ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	748
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1255
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	809
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	1339
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1649
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6, 2C	FOOT	301
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16' FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	8
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE 1	FOOT	1009
PEDESTRIAN PUSH BUTTN	EACH	5
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	643
SERVICE INSTALLATION, POLE MOUNT	EACH	1
TEMPORARY FLASHING BEACON INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1379
SIGNAL HEAD, L. E. D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, L. E. D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, L. E. D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, L. E. D., 1-FACE, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, L. E. D., 2-FACE, BRACKET MOUNTED	EACH	3

FOUNDATION (DEPTH)	(FT.)	CABLE SLACK	(FT.)	VERTICAL	(FT.)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2'
E - M. ARM POLE	-	SIGNAL POST	2	BRACKET MOUNTED	13
24"	10"	CONTROLLER CAB.	6	PED. PUSHBUTTON	4
30"	15	FIBER OPTIC	13	ELECTRIC SERVICE	13.5
		ELECTRIC SERVICE	1	SERVICE TO GROUND	13.5
		GROUND CABLE	1	POST MOUNTED	6

CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
⊙	⊙	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
⊙	⊙	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
⊙	⊙	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
⊙	⊙	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
⊙	⊙	SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD.
⊙	⊙	RAILROAD CONTROL CABINET
⊙	⊙	ILLUMINATED SIGN NO LEFT TURN
⊙	⊙	ILLUMINATED SIGN NO RIGHT TURN
H/C	C	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P	P	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO LAMPS	WATTAGE	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17	0.50	102
(YELLOW)	12	25	0.25	75
(GREEN)	12	15	0.25	45
ARROW	16	12	0.10	19
PED. SIGNAL	8	25	1.00	200
CONTROLLER	1	100	1.00	100
ILLUM. SIGN	-	40	0.50	-
STREET LIGHTS	-	250	0.50	-
FLASHER	-	-	0.50	-
TOTAL =				541

ENERGY COSTS BILLED TO: VILLAGE OF SHOREWOOD (ADDRESS) 903 WEST JEFFERSON STREET SHOREWOOD, ILLINOIS 60431 - 9705

ENERGY SUPPLY CONTACT: LOU NUNEZ 815-724-5606 COMMONWEALTH EDISON

REVISIONS	
NAME	DATE
RWL	9-15-04
RWL	10-05-04

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL
 SCHEDULE OF QUANTITIES,
 CABLE PLAN AND PHASE DESIGNATION DIAGRAM
 US ROUTE 52 AT
 RIVER ROAD

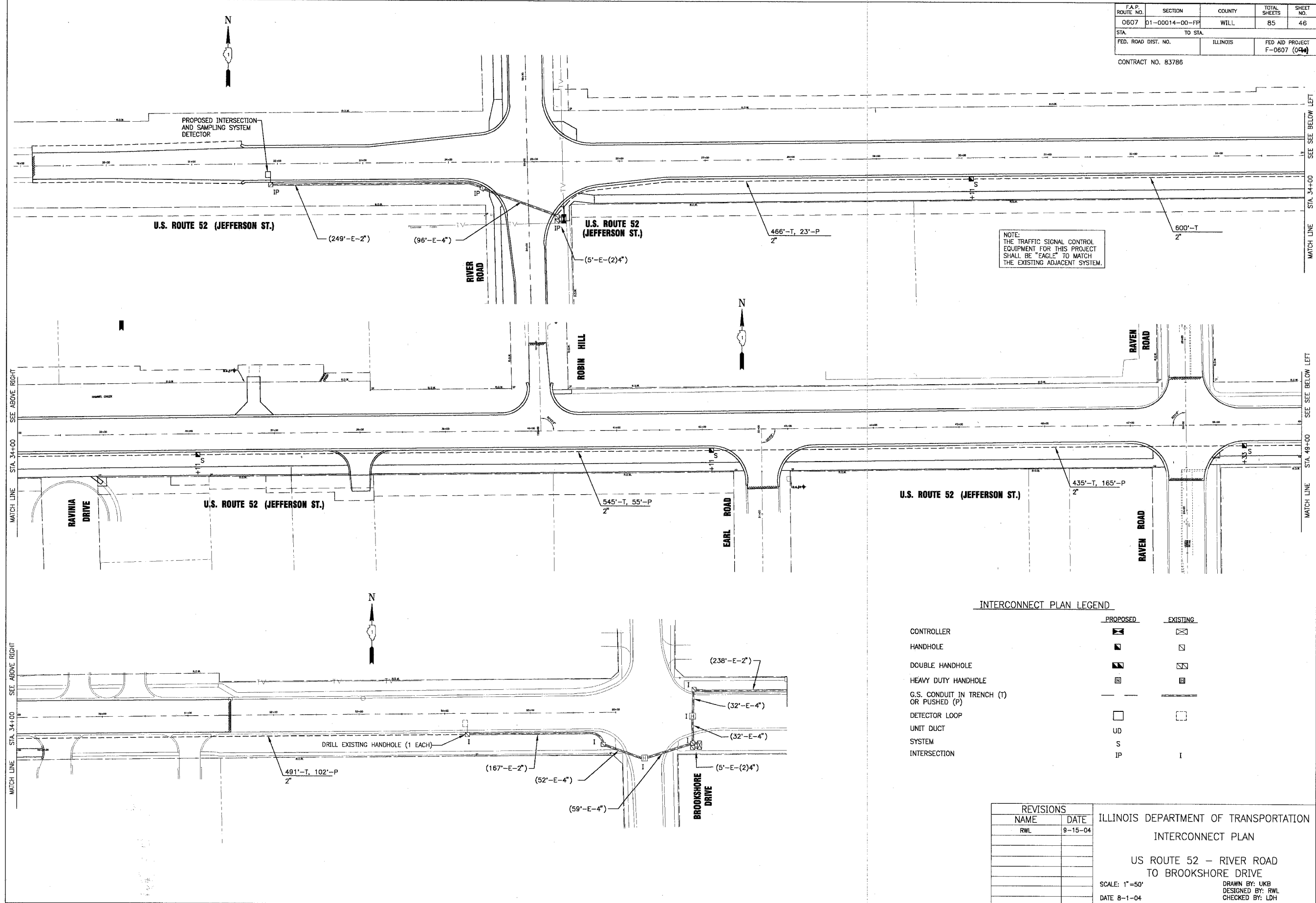
SCALE: NONE
 DATE: 8-1-04

DRAWN BY: UKB
 DESIGNED BY: RWL
 CHECKED BY: RWL

U:\SHRWD\010665\DWGS\10665-CABLE.dwg
 Plotted: 12-15-04 @ 11:28am By: 231ukb
 Copyright © 2004, By Boxer & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 184-001121 - Expires 4-30-05

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FF	WILL	85	46
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT		
		F-0607 (04)		

CONTRACT NO. 83786



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

INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
DOUBLE HANDHOLE		
HEAVY DUTY HANDHOLE		
G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)		
DETECTOR LOOP		
UNIT DUCT		
SYSTEM		
INTERSECTION		

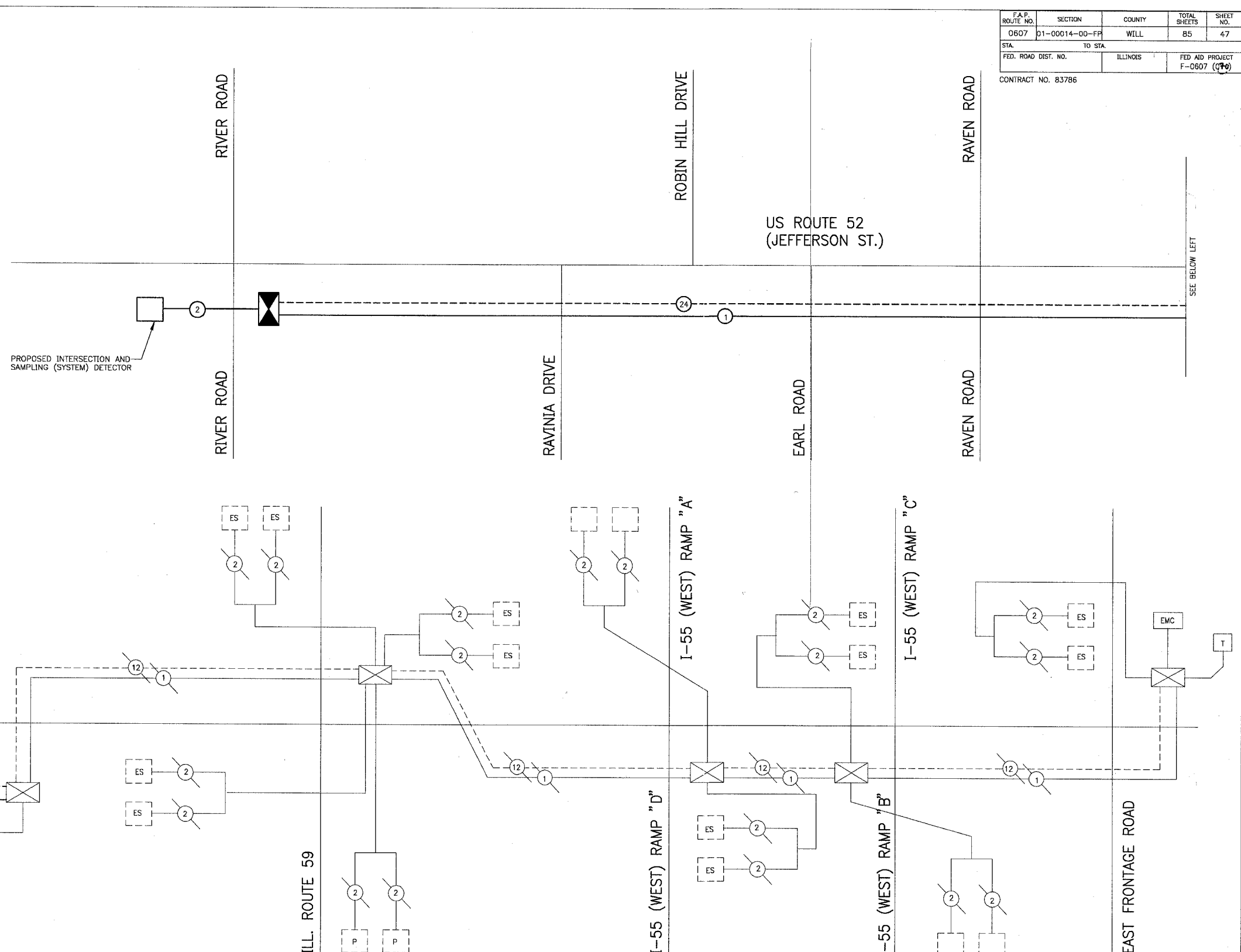
REVISIONS	
NAME	DATE
RWL	9-15-04

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT PLAN
 US ROUTE 52 - RIVER ROAD
 TO BROOKSHORE DRIVE
 SCALE: 1"=50'
 DATE 8-1-04
 DRAWN BY: UKB
 DESIGNED BY: RWL
 CHECKED BY: LDH

I:\SHRWD\0665\Draws\Interconnect.dwg
 Plotted: 12-15-04 @ 11:31am By: 231ukb
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

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 SM12F
- PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F
- 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



F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	47
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT	F-0607 (74)	
CONTRACT NO. 83786				

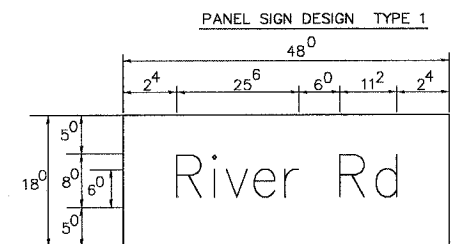
PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	2537
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	345
HANDHOLE	EACH	4
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2537
DRILL EXISTING HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3254
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM 12F, SM 12F	FOOT	3254
REOPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1

NOTE:
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM

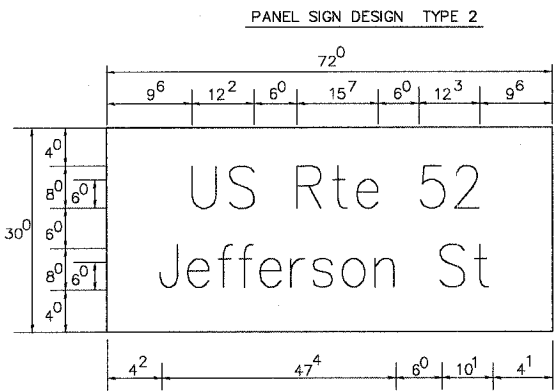
NAME	DATE
RWL	9-15-04

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
 US ROUTE 52 - RIVER ROAD TO EAST FRONTAGE ROAD
 SCALE NONE
 DATE 8-1-04
 DRAWN BY: UKB
 DESIGNED BY: RWL
 CHECKED BY: LDH

I:\SHR\010665\DWG\Intercon-Cobts.dwg
 Plotted: 12-15-04 @ 11:35am By: 231ukb
 Copyright © 2004, By: Boxler & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001171 - Expires 4-30-05



— Sq. M. each
 6.0 Sq. Ft. each
 2 Required
 Design Series D



— Sq. M. each
 15.0 Sq. Ft. each
 2 Required
 Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

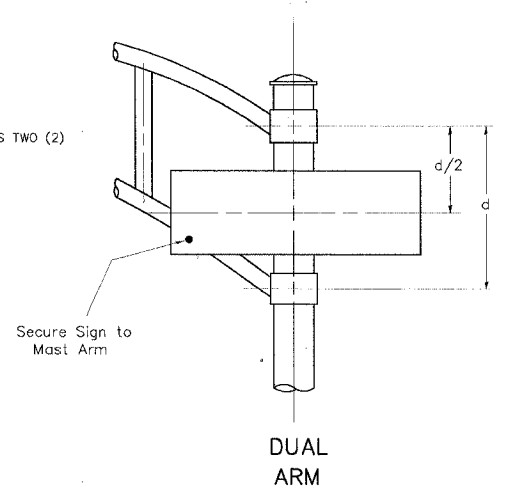
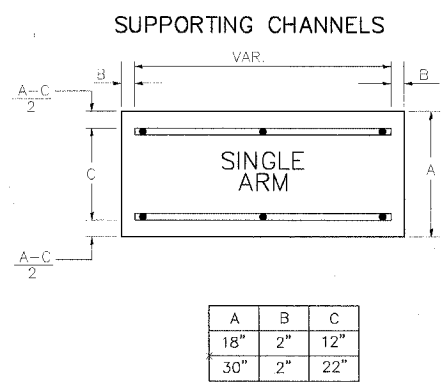
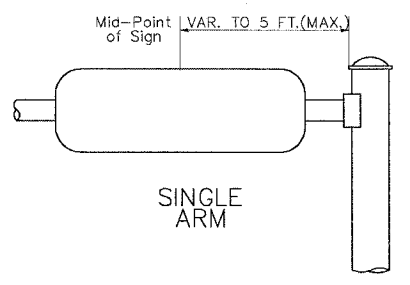
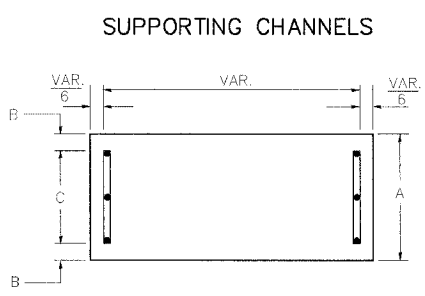
GENERAL NOTES

- 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 2" 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 SCHAUMBURG, IL
 - * TUCKER COMPANY, INC. WAUWATOSA, WI
 - * AMERICAN FABRICATION CO. CHICAGO HEIGHTS, IL
 - * WESTERN TRAFFIC CONTROL INC. CICERO, IL

PARTS LISTING:
 SIGN CHANNEL PART #PN063 (MED. CHANNEL)
 SIGN SCREWS 7/8" x 14" x 1" H.W.H. #3
 BRACKETS SELF TAPPING WITH NEOPRENE WASHER
 PART #PN034 (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/BACKET OF THE ABOVE PRODUCT.

DATE-TIME
 DGN-SPEC
 USER



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

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

EXAMPLE, 2³ DENOTES 3⁸

FIRST LETTER	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	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	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															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u																
b f k o p s	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c e	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
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	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	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
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	14	15	14	15	11	12	14	15	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

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

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	12	14	15	20
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ³	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰	4 ³	5 ³
9	3 ²	4 ⁰	4 ³	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

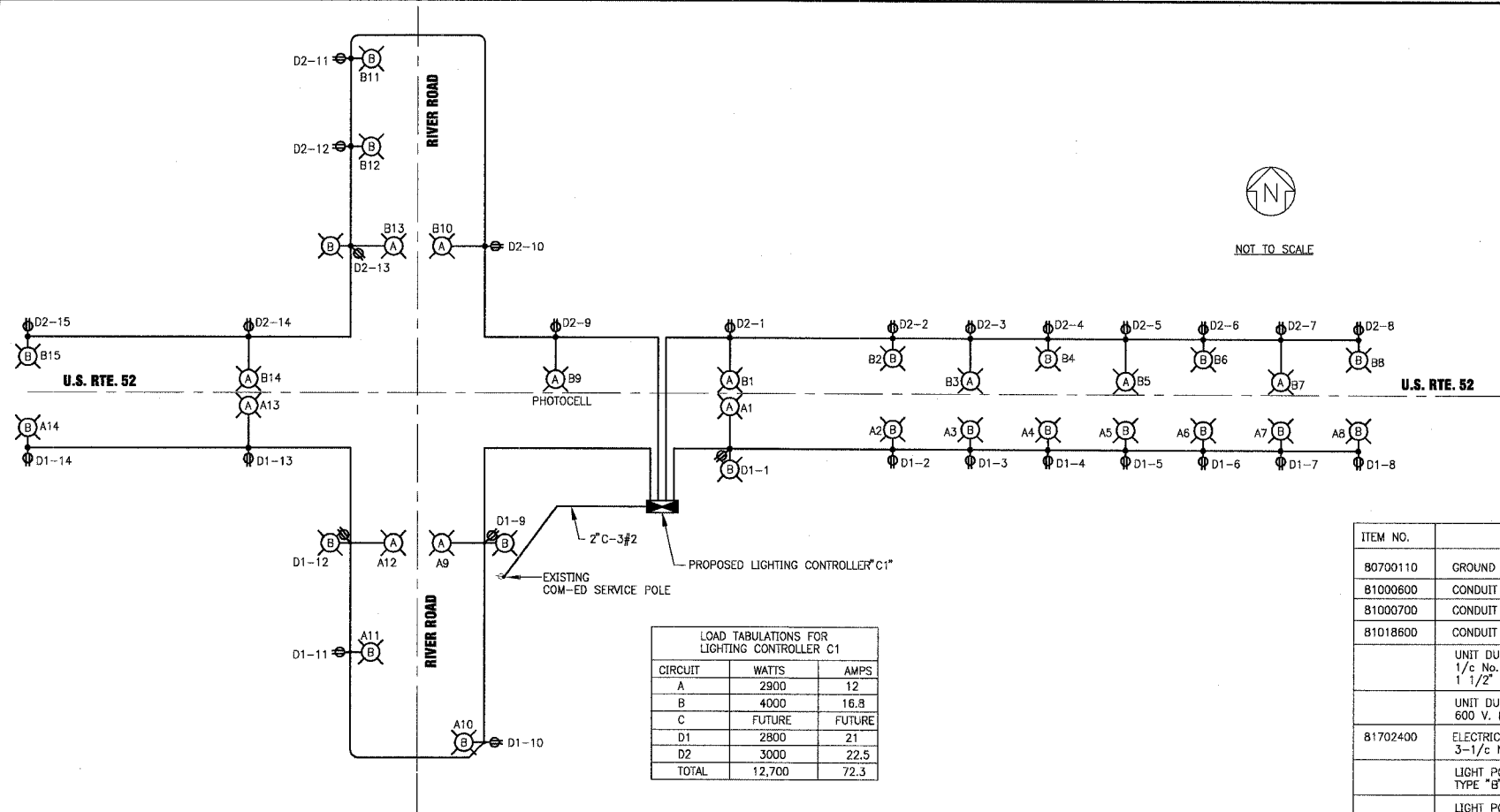
REVISIONS	
NAME	DATE
D.A.Z./D.A.G.	11/90
	6/98
CADD	10/00

Illinois Department of Transportation
 DISTRICT 1

MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NONE
 DATE: 9-15-04

DRAWN BY: UKB
 DESIGNED BY: RWL
 CHECKED BY: LDH



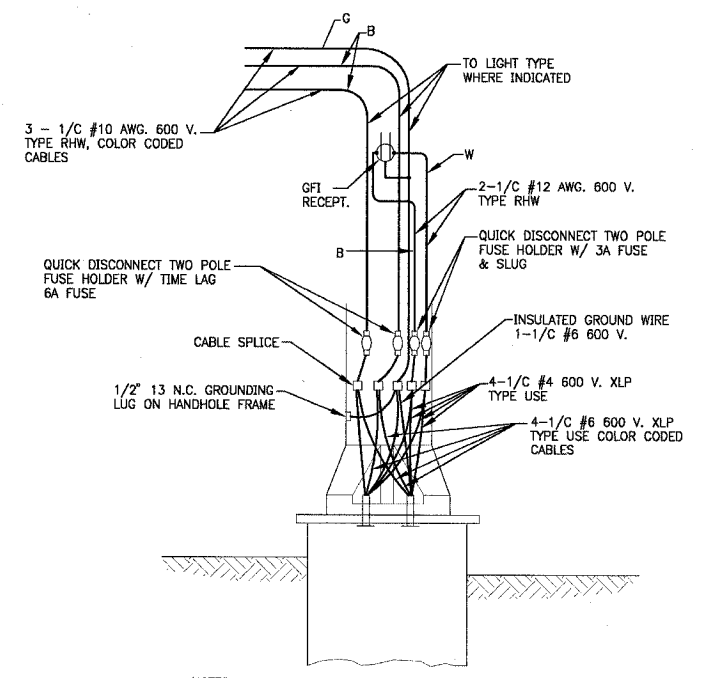
LOAD TABULATIONS FOR LIGHTING CONTROLLER C1

CIRCUIT	WATTS	AMPS
A	2900	12
B	4000	16.8
C	FUTURE	FUTURE
D1	2800	21
D2	3000	22.5
TOTAL	12,700	72.3

SUMMARY OF QUANTITIES
CONSTRUCTION TYPE CODE YQ30-1E

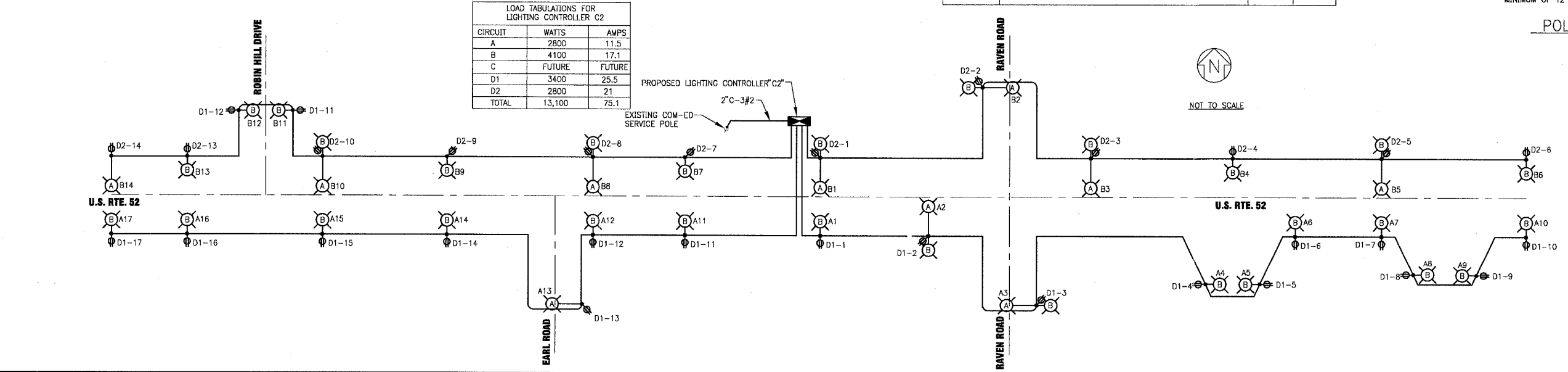
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
80700110	GROUND ROD 3/4" DIA. X 10 FT.	EACH	62
B1000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	230
B1000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	650
B1018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	370
	UNIT DUCT 2-1/c NO. 6, 2#4, 3-1/c NO. 12 & 1/c NO. 6 GROUND, 600 V. (XLP-TYPE USE) 1 1/2" DIA. POLYETHYLENE	FOOT	180
B1702400	UNIT DUCT 2-1/c NO. 6, 2#4 AND 1/c NO. 6 GROUND, 600 V. (XLP-TYPE USE) 1 1/4" DIA. POLYETHYLENE	FOOT	8000
	ELECTRICAL CABLE IN CONDUIT, 600 V. (XLP-TYPE USE) 3-1/c No. 2	FOOT	320
	LIGHT POLE, STEEL FLUTED, 16 FT. M.H. 40 IN. ARM TYPE "B", SPECIAL	EACH	38
	LIGHT POLE, STEEL FLUTED, 35 FT. M.H. 10 FT. ARM TYPE "A", SPECIAL	EACH	10
	LIGHT POLE, STEEL FLUTED, 35 FT. M.H. 10 FT. ARM TYPE "A" WITH 16 FT. M.H. 33 IN. ARM, SPECIAL	EACH	12
B3600200	LIGHT POLE FOUNDATION, 24" DIA.	FOOT	190
B3600300	LIGHT POLE FOUNDATION, 30" DIA.	FOOT	176
	LUMINAIRE, SODIUM VAPOR, 70 WATT, TYPE "B", SPECIAL	EACH	50
	LUMINAIRE, SODIUM VAPOR, 310 WATT, TYPE "A", SPECIAL	EACH	20
	LUMINAIRE, SODIUM VAPOR, 310 WATT, TYPE "A" SPECIAL, WITH PHOTOCELL CONTROL	EACH	2
B4200700	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	4
85500105	LIGHTING CONTROLLER, SPECIAL	EACH	2
86600100	ELECTRICAL SERVICE INSTALLATION	EACH	2
86600200	ELECTRICAL UTILITY SERVICE CONNECTION	L. SUM	1
86800100	TRENCH & BACKFILL FOR ELECTRICAL WORK	FOOT	6900

- EXISTING LIGHTING CONTROLLER
- LIGHTING CONTROLLER
- LIGHT POLE WITH 310 WATT HPS LUMINAIRE MOUNTED AT 35' MOUNTING HEIGHT
- LIGHT POLE WITH 70 WATT HPS LUMINAIRE MOUNTED AT 16' MOUNTING HEIGHT
- 120 VOLT GFCI RECEPTACLE



- NOTES:
- BOLT SLOTS SHALL BE 1 3/4"x2" CENTERED ON BOLT CIRCLE.
 - THE LIGHT POLE SHALL MEET AASHTO CRITERIA.
 - THE DUCT SHALL EXTEND INTO POLE A MINIMUM OF 12" ABOVE THE BASE.

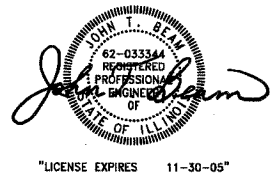
POLE BASE DETAIL
NO SCALE



LOAD TABULATIONS FOR LIGHTING CONTROLLER C2

CIRCUIT	WATTS	AMPS
A	2800	11.5
B	4100	17.1
C	FUTURE	FUTURE
D1	3400	25.5
D2	2800	21
TOTAL	13,100	75.1

1. SURVEY 010665.DWG'S 10665-LIGHT-1-LINE-DWG.dwg
 Plotted by JLR on 11/29/04 at 2:00pm
 Contract # 2004-04 Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05



CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	11-29-04	PER I.D.O.T. REVIEW
	2	12-21-04	PER I.D.O.T. REVIEW
	3	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE:	PLOTTED BY:
---------------	-------------

BAXTER & WOODMAN
Consulting Engineers

Baxter & Woodman
Crystal Lake, Illinois 815.459.1260
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.3111
Grayslake, Illinois 847.225.5088
Rockford, Illinois 815.489.1551

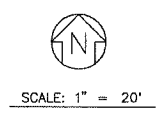
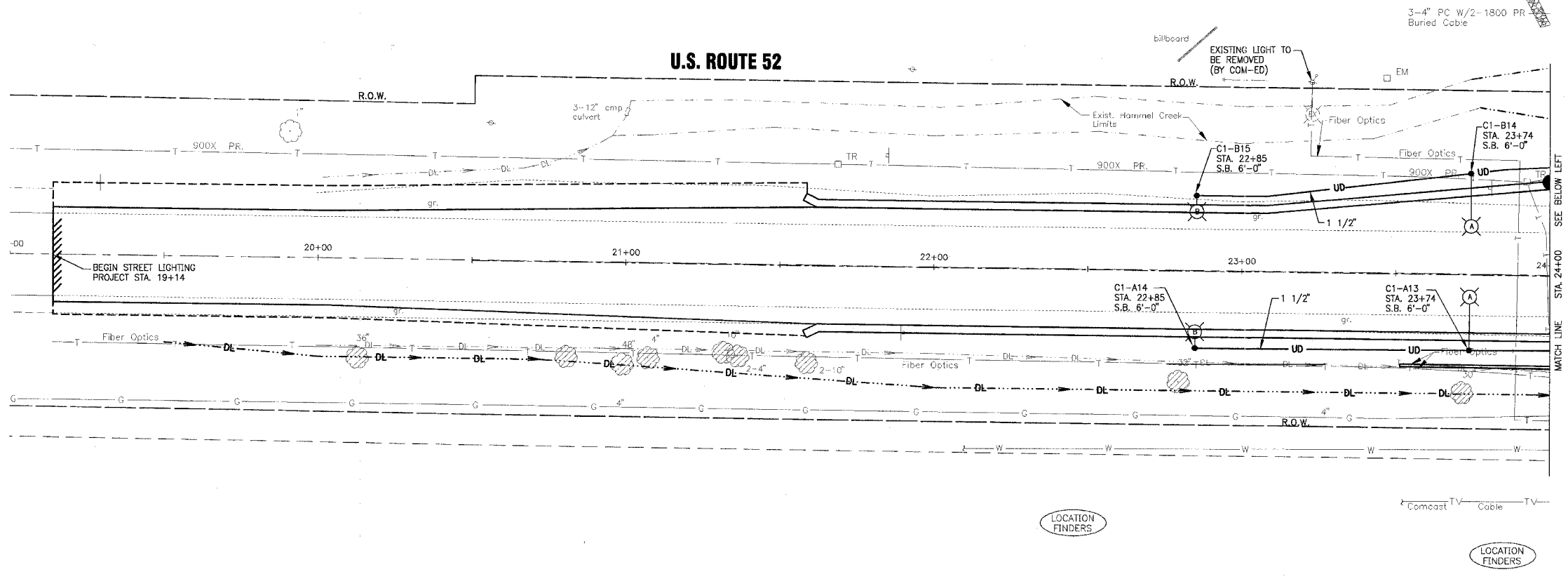
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

LIGHTING CONTROLLER ONE LINE DIAGRAM

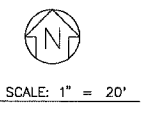
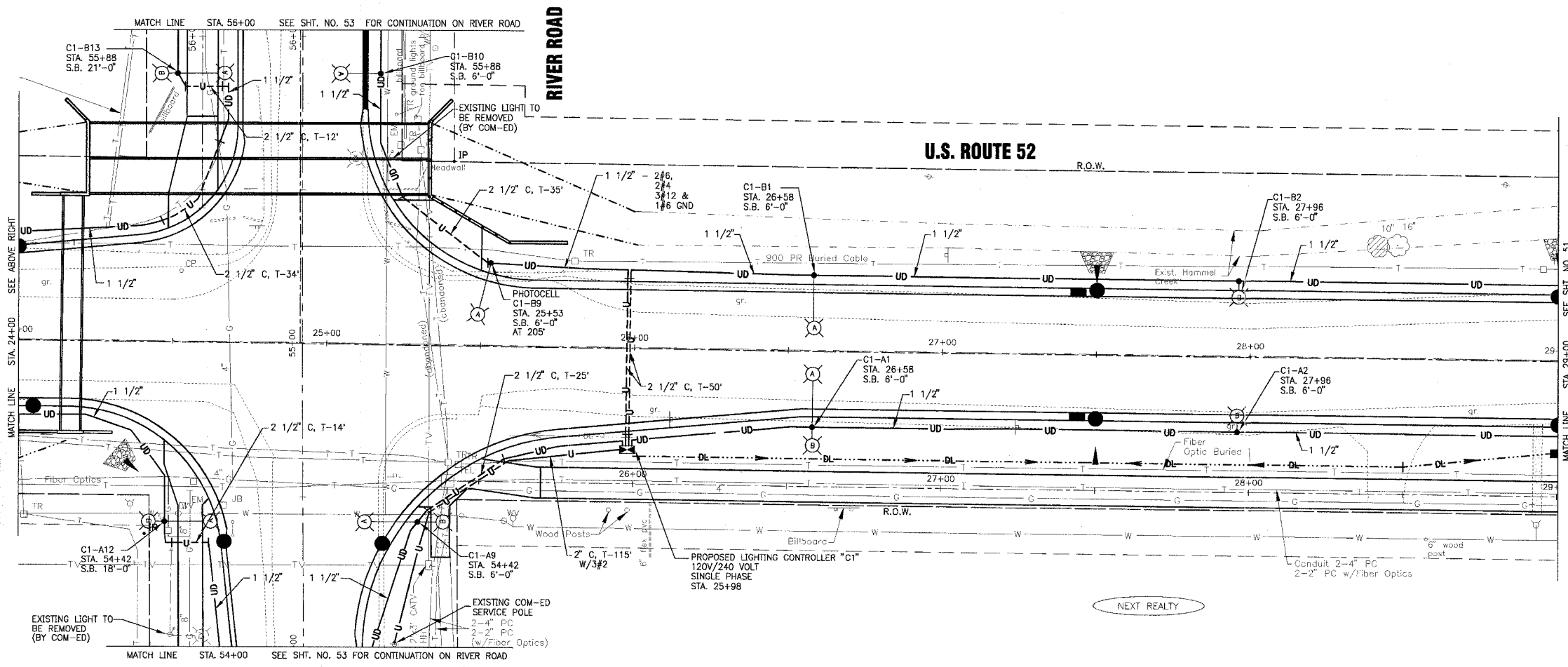
DESIGNED BY	JLR	SCALE	NONE
DRAWN BY	LUK	PROJECT NO.	010665
CHECKED BY	MDK	SHEET NO.	
DATE	10-05-04		

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	50
STA.	TO STA.	ILLINOIS	FED. AID PROJECT	
			CMF-0607 (070)	

CONTRACT NO. 83786



- LEGEND**
- 2 1/2" C, P-20'
 - 2 1/2" C, T-20'
 - 1 1/2" UD
 - LIGHT POLE WITH 310 WATT HPS LUMINAIRE MOUNTED AT 35' MOUNTING HEIGHT
 - LIGHT POLE WITH 70 WATT HPS LUMINAIRE MOUNTED AT 16' MOUNTING HEIGHT
 - LIGHTING CONTROLLER C1, CIRCUIT B1 SETBACK 6'-0" FROM FRONT OF CURB
 - EXISTING LIGHTING CONTROLLER
 - LIGHTING CONTROLLER



A. SHAWBY, CIVIL ENGINEER, LICENSE NO. 017-0017
 PROFESSIONAL SEAL
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	11-29-04	PER I.D.O.T. REVIEW
	2	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: _____ PLOTTED BY: _____

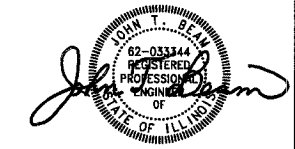


Baxter & Woodman
 Crystal Lake, Illinois 815.459.1280
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.8090
 DeKalb, Illinois 815.787.3111
 Graystone, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

U.S. ROUTE 52
STREET LIGHTING
STA. 19+00 TO STA. 29+00

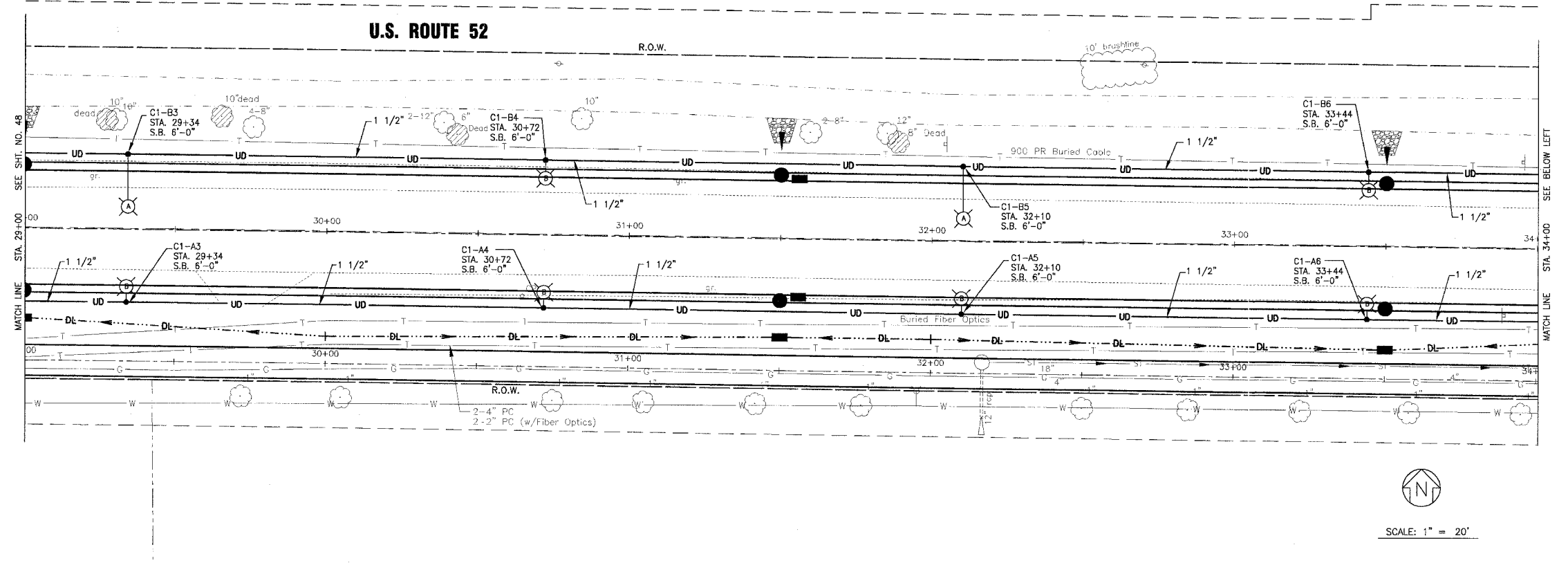
DESIGNED BY	JLR	SCALE	HORIZ: 1"=20'
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	JLR	SHEET NO.	50 OF 85
DATE	10-05-04		



"LICENSE EXPIRES 11-30-05"

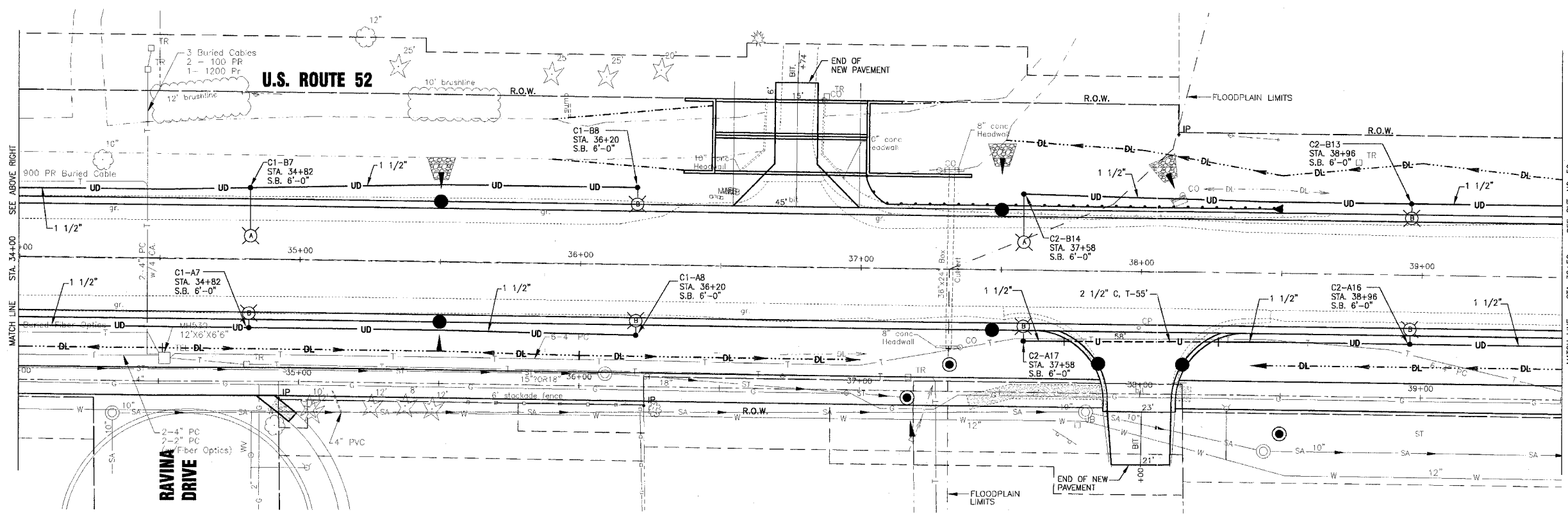
F.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	51
STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT
				CMF-0607 (070)

CONTRACT NO. 83786



- LEGEND**
- 2 1/2" C, P-20'
 - 2 1/2" C, T-20'
 - 1 1/2" UD
 - LIGHT POLE WITH 310 WATT HPS LUMINAIRE MOUNTED AT 35' MOUNTING HEIGHT
 - LIGHT POLE WITH 70 WATT HPS LUMINAIRE MOUNTED AT 16' MOUNTING HEIGHT
 - LIGHTING CONTROLLER C1, CIRCUIT B1 SETBACK 6'-0" FROM FRONT OF CURB
 - EXISTING LIGHTING CONTROLLER
 - LIGHTING CONTROLLER

SCALE: 1" = 20'



SCALE: 1" = 20'

C:\Land Projects\2004\shw\010665\dwg\10665LGH1.dwg
 Plotted: 12-28-04 @ 2:33pm By: 231ukb
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois Professional Design Firm
 License No. 184-001721 - Expires 4-30-05

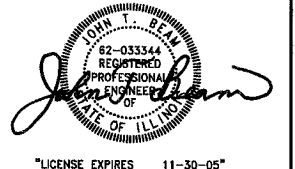
CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	11-29-04	PER I.D.O.T. REVIEW
	2	12-21-04	PER I.D.O.T. REVIEW



Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

U.S. ROUTE 52
STREET LIGHTING
STA. 29+00 TO STA. 39+50



LICENSE EXPIRES 11-30-05

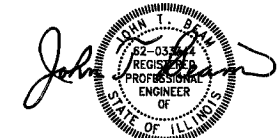
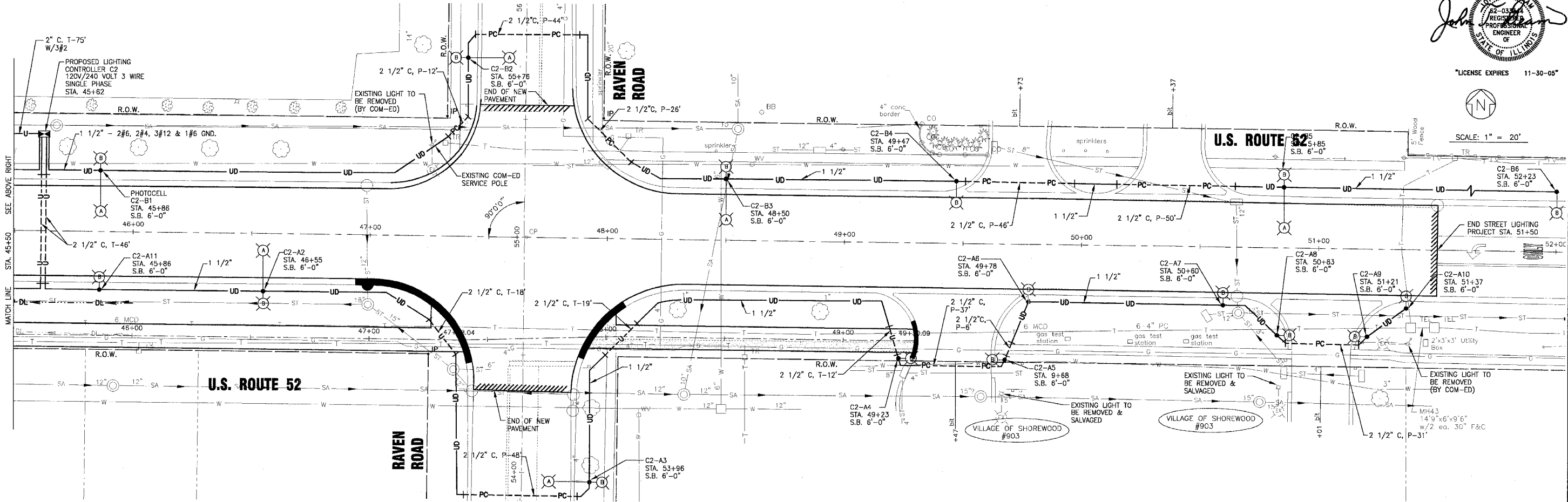
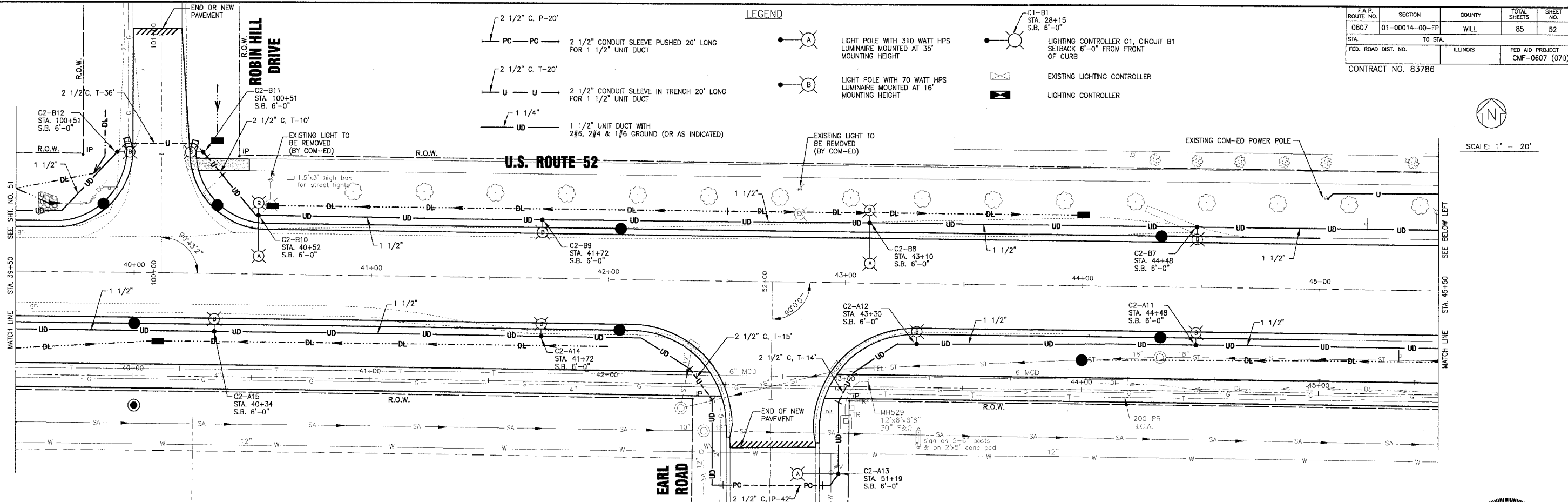
DESIGNED BY	JLR	SCALE	HORIZ: 1"=20'
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	JLR	SHEET NO.	51 OF 85
DATE	10-05-04		

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	52
STA.	TO STA.	ILLINOIS	FED AID PROJECT	
			CMF-0607 (070)	

CONTRACT NO. 83786



SCALE: 1" = 20'



"LICENSE EXPIRES 11-30-05"



SCALE: 1" = 20'

C:\land Projects\2004\shored\010685\400\10685.GHT.dwg
 Plotted 12-23-04 @ 9:46am by 231ukb
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 84-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	11-29-04	PER I.D.O.T. REVIEW
	2	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: _____ PLOTTED BY: _____

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7894
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Craystone, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

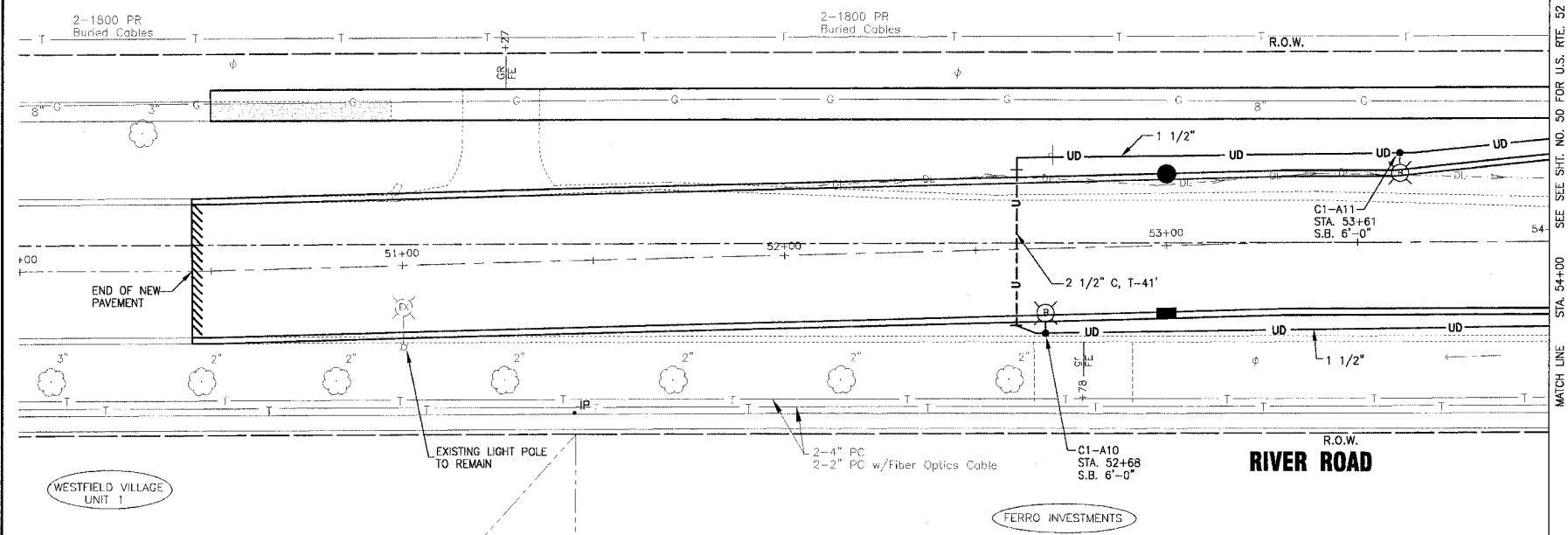
DESIGNED BY	JLR	SCALE	HORIZ: 1"=20'
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	JLR	SHEET NO.	52 OF 85
DATE	10-05-04		

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	53
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT CMF-0607 (070)		

CONTRACT NO. 83786

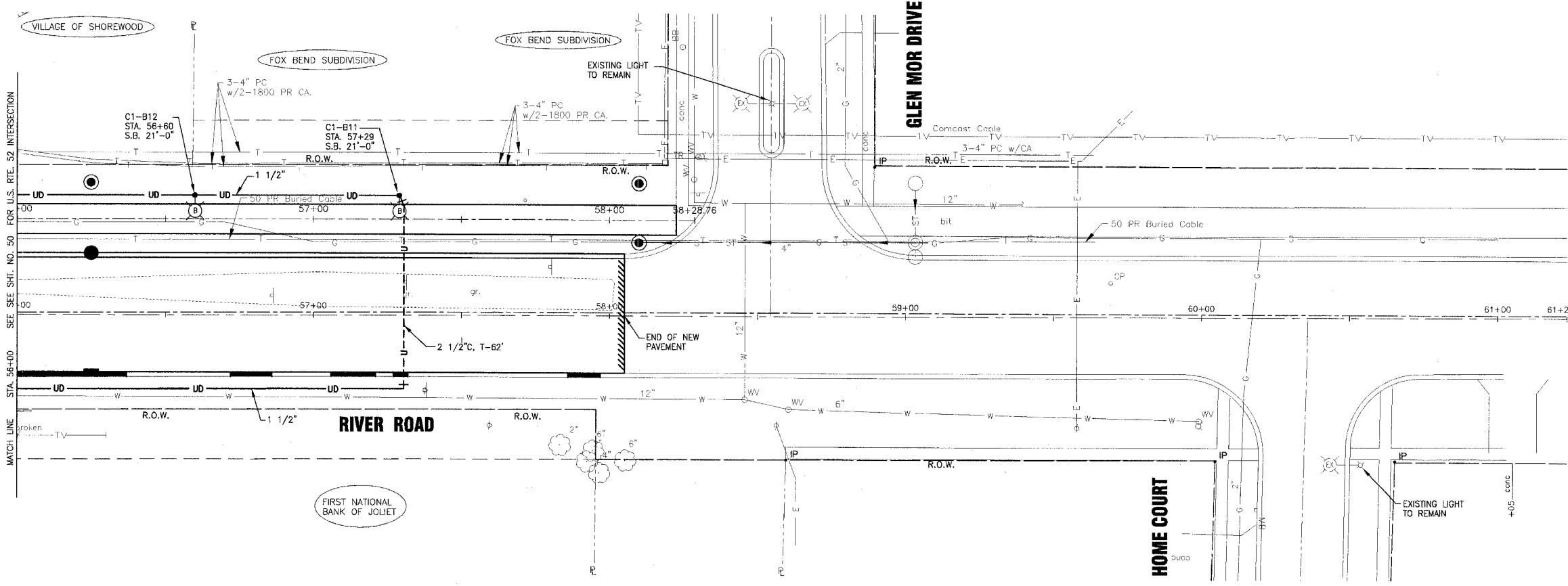


SCALE: 1" = 20'



LEGEND

- 2 1/2" C, P-20'
2 1/2" CONDUIT SLEEVE PUSHED 20' LONG FOR 1 1/2" UNIT DUCT
- 2 1/2" C, T-20'
2 1/2" CONDUIT SLEEVE IN TRENCH 20' LONG FOR 1 1/2" UNIT DUCT
- 1 1/4"
1 1/2" UNIT DUCT WITH 2#6, 2#4 & 1#6 GROUND (OR AS INDICATED)
- LIGHT POLE WITH 310 WATT HPS LUMINAIRE MOUNTED AT 35' MOUNTING HEIGHT
- LIGHT POLE WITH 70 WATT HPS LUMINAIRE MOUNTED AT 16' MOUNTING HEIGHT
- LIGHTING CONTROLLER C1, CIRCUIT B1 SETBACK 6'-0" FROM FRONT OF CURB
- EXISTING LIGHTING CONTROLLER
- LIGHTING CONTROLLER



SCALE: 1" = 20'

C:\Land Projects\2004\shrd\010665\dwgs\10665LGH.dwg
 Plotted: 12-23-04 @ 10:51am By: 231ubb
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois Professional Design Firm
 License No. 184-501121 - Expires 11-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	11-29-04	PER I.D.O.T. REVIEW
	2	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS DRAWING FILE: PLOTTED BY:

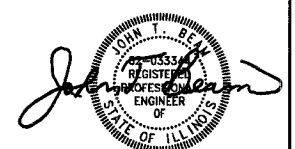


Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.488.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

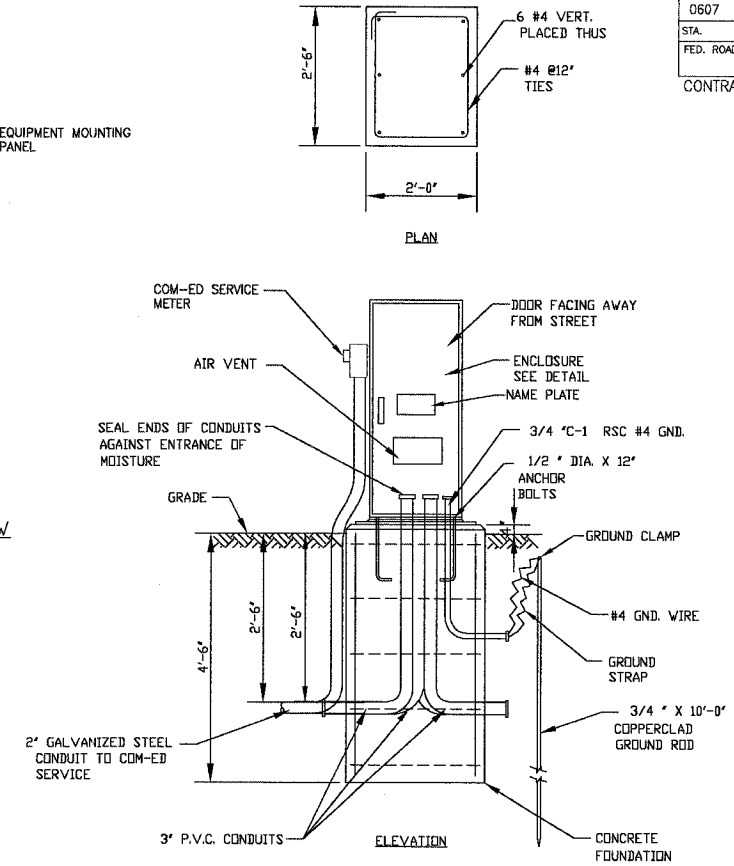
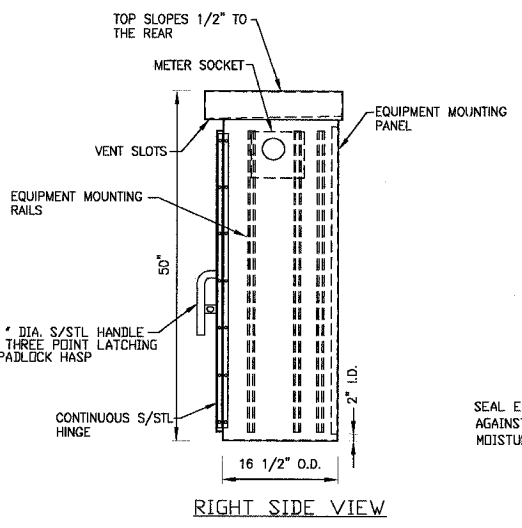
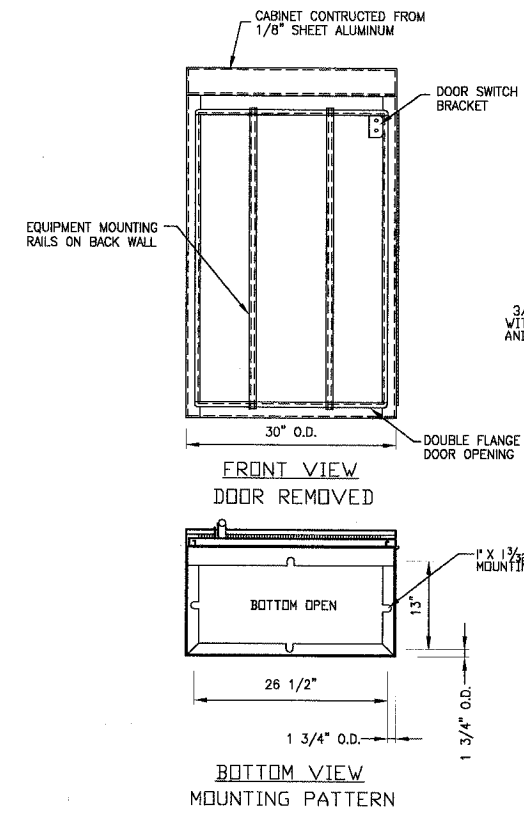
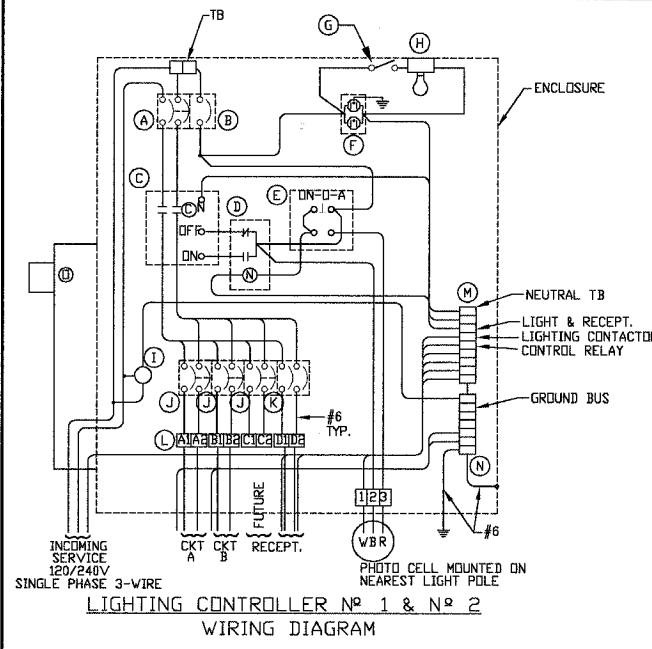
RIVER ROAD
STREET LIGHTING
STA. 50+00 TO STA. 61+00

DESIGNED BY	JLR	SCALE	HORIZ: 1"=20'
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	JLR	SHEET NO.	53 OF 85
JLR DATE	10-05-04		



LICENSE EXPIRES 11-30-05

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	54
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT	CMF-0607 (070)	
CONTRACT NO. 83786				

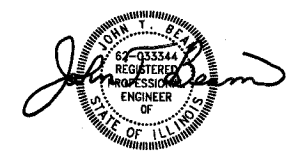


LIGHTING CONTROLLER AND FOUNDATION DETAIL
NO SCALE

NOTES

- CABINET SHALL BE FABRICATED FROM 0.125-INCH SHEET ALUMINUM #3003H14, FORMED AND ARC WELDED ASSEMBLY.
- ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
- NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH HIGH LETTERS FILLED IN BLACK "STREET LIGHTING".
- CABINET SHALL BE PRIMED AND PAINTED AS SPECIFIED.
- ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
- THE COMPLETED CONTROLLER SHALL BE UL LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508.
- METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
- CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH THICK GLASTIC INSULATION BACK PANEL.
- ALL DEVICES SHALL BE FRONT REMOVABLE.
- BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
- ALL LUGS SHALL BE COPPER SCREWS AND CONNECTORS, SPRING HELD.
- ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
- ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
- ALL POWER WIRING SHALL BE 600V TYPE RHW.
- A LAMINATED COPY OF THE CIRCUIT SCHEMATIC DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 100 A., BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 22,000 RMS SYMMETICAL AMPERES AT 240 V.
B	1	CONTROL CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, SINGLE-POLE, 120 V. SINGLE-PHASE 20 A. BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 14,000 RMS SYMMETICAL AMPERES AT 120 V.
C	1	LIGHTING CONTACTOR MECHANICALLY HELD, CUTLER HAMMER A20K3BMM 100 A. 2-POLE, 600 V. WITH 120 COIL
D	1	CONTROL RELAY CUTLER HAMMER D3PR2 RATED 12 A. AT 120 VAC
E	1	DN-OFF-AUTO 3-POSITION SELECTOR SWITCH GE CR104P HEAVY DUTY SWITCH, RATED FOR 10 A. AT 600 VAC.
F	1	GFCI RECEPTACLE, 120 V., 20 A. SPEC. GRADE, NEMA CONFIG. 5-20R
G	1	SPDT MOMENTARY NORMALLY OPEN, NORMALLY CLOSED PUSHBUTTON SWITCH CUTLER HAMMER 84F1063 RATED 15 A. AT 120 V.
H	1	60 WATT LIGHT FIXTURE, VAPDR TIGHT, WITH GLOBE, GUARD AND MOUNTING BOX.
I	4	SECONDARY SURGE ARRESTER SQUARE D SDSA1175, 175 VAC PHASE-TO-GROUND MAXIMUM
J	3	BRANCH LIGHTING CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 30 A. TRIP INTERRUPTING RATING 10,000 RMS SYMMETICAL AMPERES AT 240 V.
K	2	BRANCH RECEPTACLE CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, SINGLE POLE 120 V. SINGLE-PHASE, 40 A. TRIP INTERRUPTING RATING 10,000 RMC SYMMETRICAL AMPERES AT 120 V
L	1	TERMINAL BLOCK RATED 600 V., 85 A.
M	1	COPPER NEUTRAL BUS
N	1	COPPER GROUND BUS
O	1	COM-ED SERVICE METER



LICENSE EXPIRES 11-30-05

C:\land Projects 2004\shw\010685\dwg\10685-LIGHT-DETAILS.DWG
 Plotted: 12-28-04 @ 2:07pm By: 231ukb
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois Professional Design Firm
 License No. 184-001211 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

BAXTER & WOODMAN
Consulting Engineers

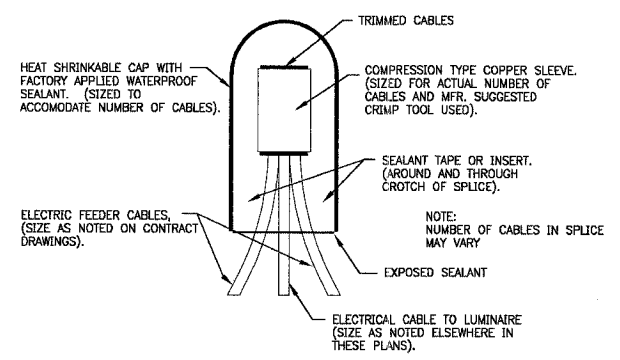
Baxter & Woodman
Crystal Lake, Illinois 815.459.1260
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.3111
Grayslake, Illinois 847.223.5088
Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

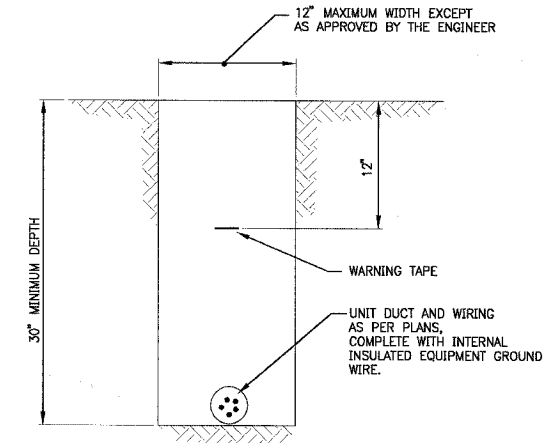
LIGHTING DETAILS

DESIGNED BY	JLR	SCALE	NONE
DRAWN BY	UKB	PROJECT NO.	010685
CHECKED BY	MDK	SHEET NO.	
DATE	10-05-04		

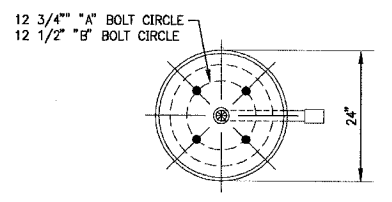
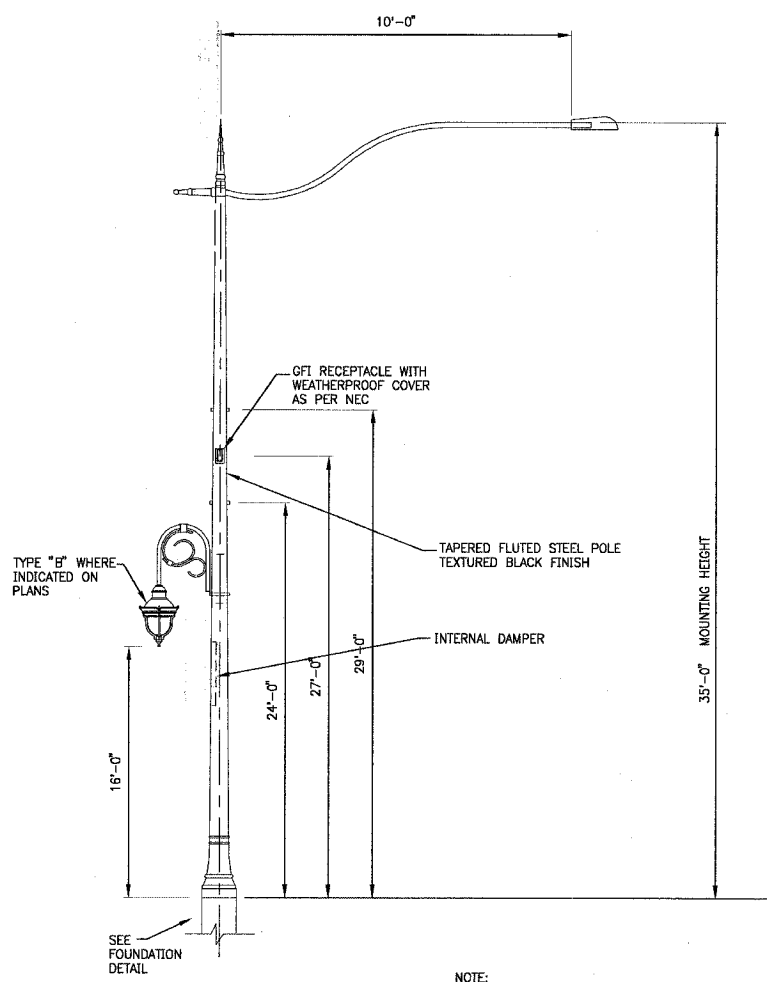
CONTRACT NO. 83786



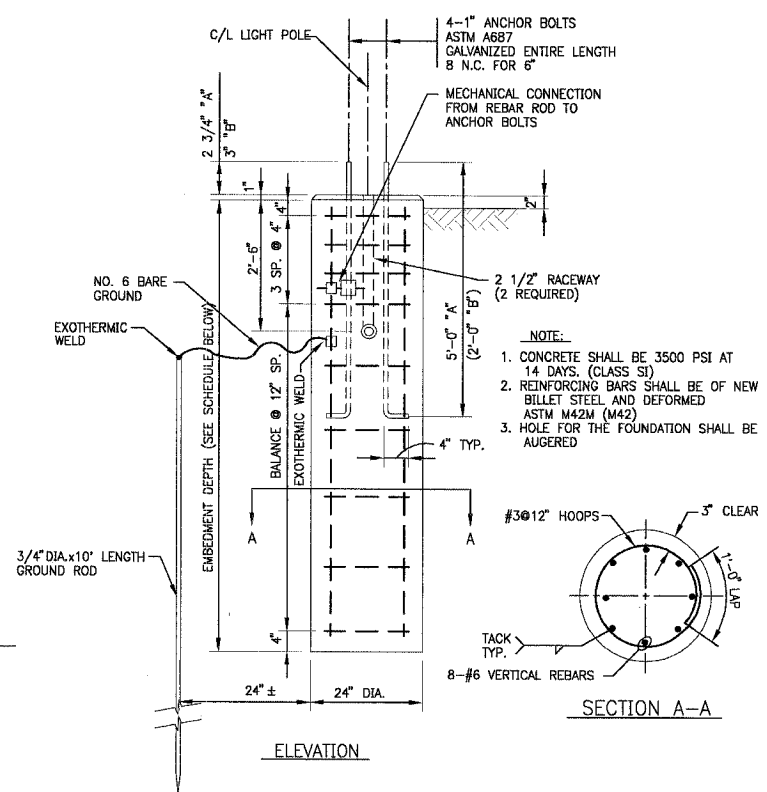
SPLICING ELECTRICAL CABLES
BASIC MATERIALS AND METHODS
NO SCALE



TYPICAL WIRING IN TRENCH DETAIL
NO SCALE

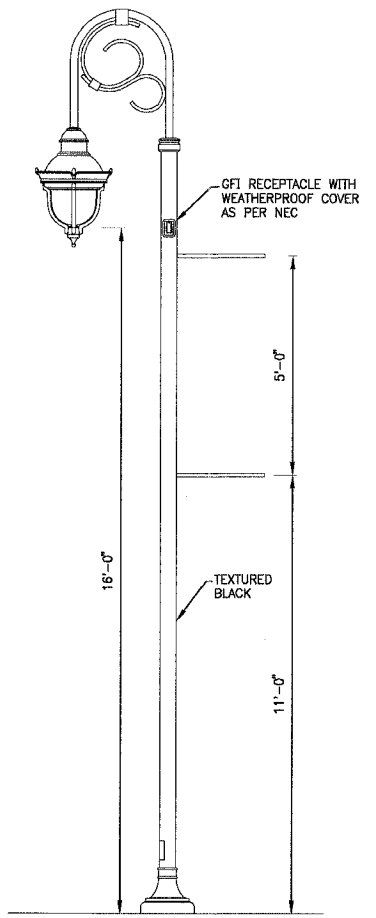


TOP VIEW

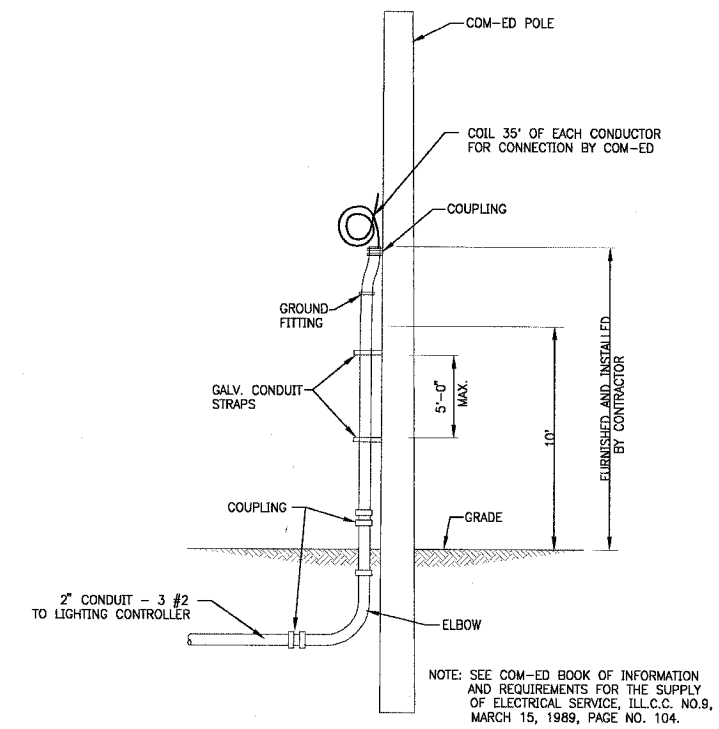


SECTION A-A

ELEVATION



LIGHT POLE TYPE "B"
NO SCALE



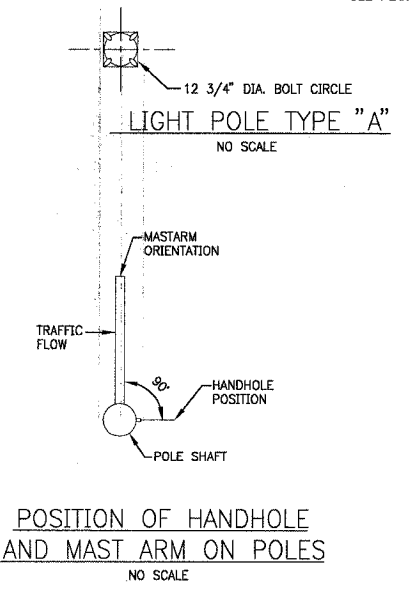
COM-ED OVERHEAD CONNECTION
NO SCALE

FOUNDATION SCHEDULE		
TYPE OF SOILS		EMBEDMENT
DESCRIPTION	STANDARDS	
SOFT CLAY	Qu = .25-.50 T/FT. 2	13'-0"
MEDIUM CLAY	Qu = .25-.50 T/FT. 2	10'-0"
DENSE CLAY	Qu = .25-.50 T/FT. 2	8'-0"
LOOSE SAND	N = 4-10	10'-6"
MEDIUM SAND	N = 10-30	9'-0"
DENSE SAND	N = 30-50	8'-6"

LIGHT UNIT "A" POLE FOUNDATION
NO SCALE

FOUNDATION SCHEDULE		
TYPE OF SOILS		EMBEDMENT
DESCRIPTION	STANDARDS	
SOFT CLAY	Qu = .25-.50 T/FT. 2	10'-0"
MEDIUM CLAY	Qu = .25-.50 T/FT. 2	7'-0"
DENSE CLAY	Qu = .25-.50 T/FT. 2	5'-0"
LOOSE SAND	N = 4-10	7'-6"
MEDIUM SAND	N = 10-30	6'-0"
DENSE SAND	N = 30-50	5'-6"

LIGHT UNIT "B" POLE FOUNDATION
NO SCALE



POSITION OF HANDHOLE AND MAST ARM ON POLES
NO SCALE

T:\SHIRLEY\06650\DWG\10665-LIGHT-DETAILS.DWG
 Plotted 12-15-04 @ 4:59pm By: 231ukh
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	11-29-04	PER I.D.O.T. REVIEW
	2	12-21-04	PER I.D.O.T. REVIEW

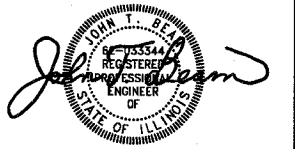
* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS



Baxter & Woodman
 Crystal Lake, Illinois 815.459.1280
 Durstington, Wisconsin 262.783.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Craylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

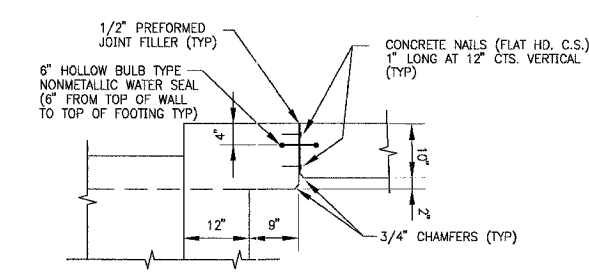
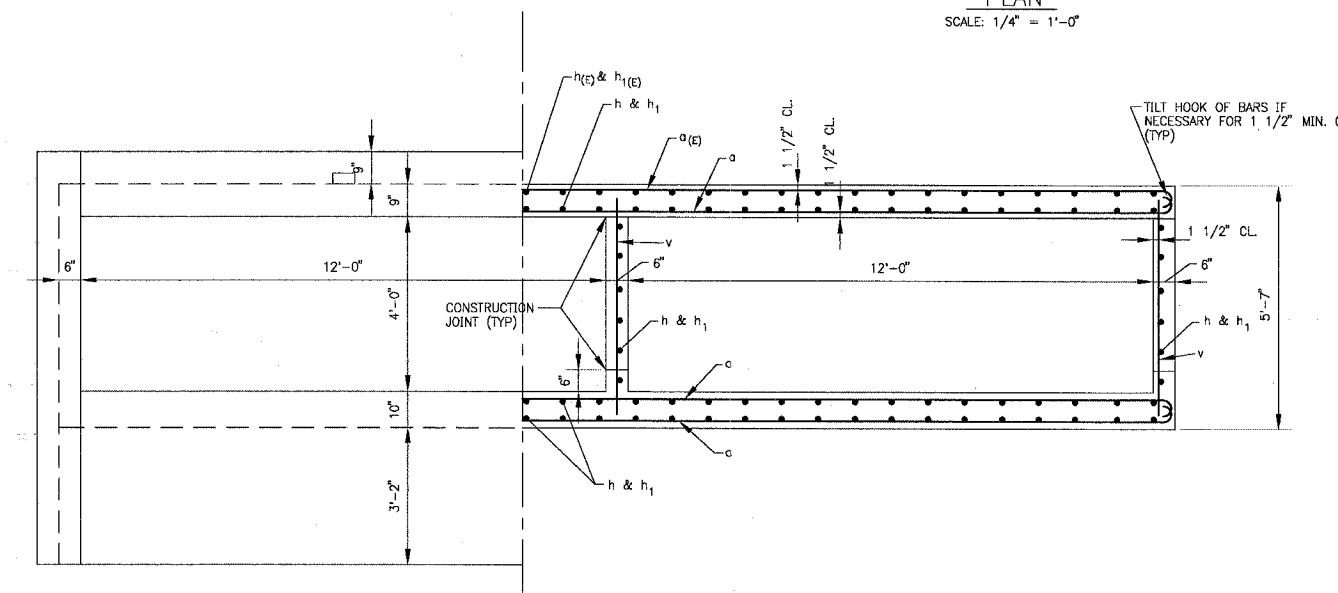
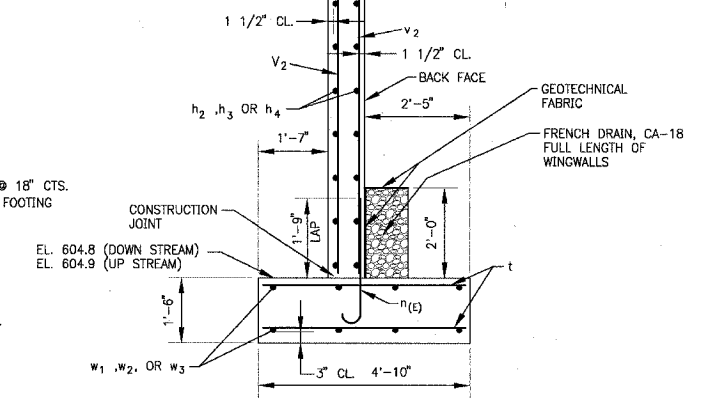
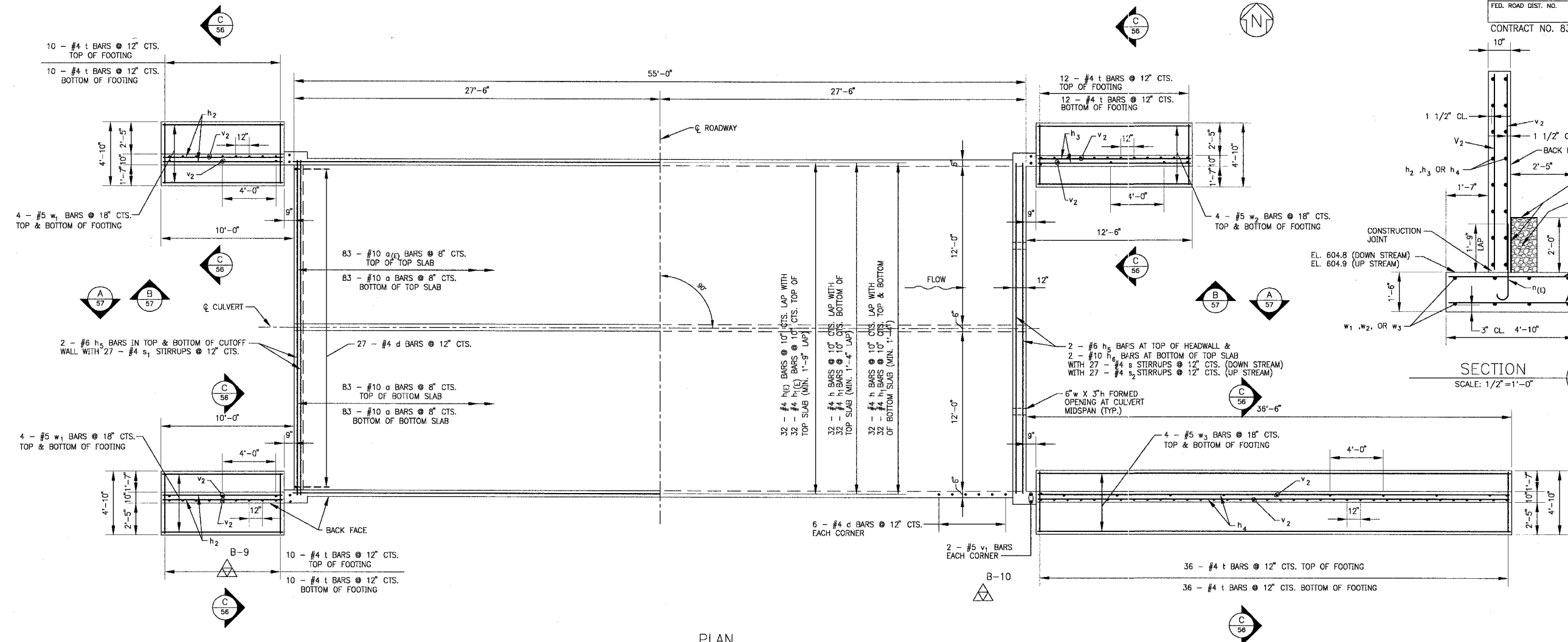
DESIGNED BY JLR SCALE NONE
DRAWN BY UKB PROJECT NO. 010665
CHECKED BY MDK SHEET NO. 55 OF 85
DATE 10-05-04



"LICENSE EXPIRES 11-30-05"

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	56
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT	CMF-0607 (070)	

CONTRACT NO. 83786



CONSTRUCTION SPECIFICATIONS

PERFORM WORK IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2002, SUPPLEMENTAL SPECIFICATIONS AND REQUIRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2004 AND INSERTED SPECIAL PROVISIONS UPDATED MAY 6, 2004.

DESIGN STRESSES

$f_y = 60,000$ P.S.I.
 $f_c = 3,500$ P.S.I.
ALLOWABLE NET SOIL BEARING PRESSURE = 2,500 P.S.F. MINIMUM

LOADING HS20-44

ALLOW 50 LB/SF FOR FUTURE WEARING SURFACE

NOTES:

- SEE GENERAL NOTES ON SHEET 58
- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

WATERWAY INFORMATION

DRAINAGE AREA	1.9	SQ. MILES
PROVIDED OPENING	96	SQ. FT.
DESIGN DISCHARGE	445	CFS
DESIGN CREATED HEAD	0.0	FT.
100-YR. DISCHARGE	550	CFS
100-YR. CREATED HEAD	0.0	FT.

COPYRIGHT © 2004, BY BAXTER & WOODMAN, INC. LICENSE NO. 154-20121 - EXPIRES 11/30/2003

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER IDOT REVIEW

DRAWING FILE: BOXCVLV.DWG PLOTTED BY: DEK 16/DEC/04 10:19

BAXTER & WOODMAN
Consulting Engineers

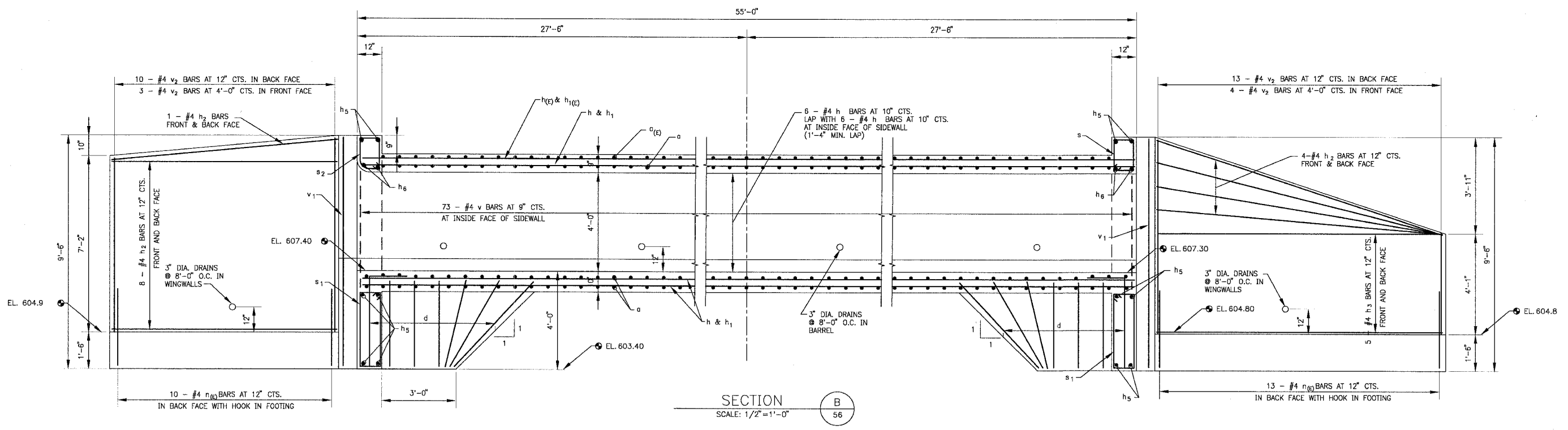
Baxter & Woodman
Crystal Lake, Illinois 815.459.1280
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.3111
Orearylake, Illinois 847.223.6088
Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

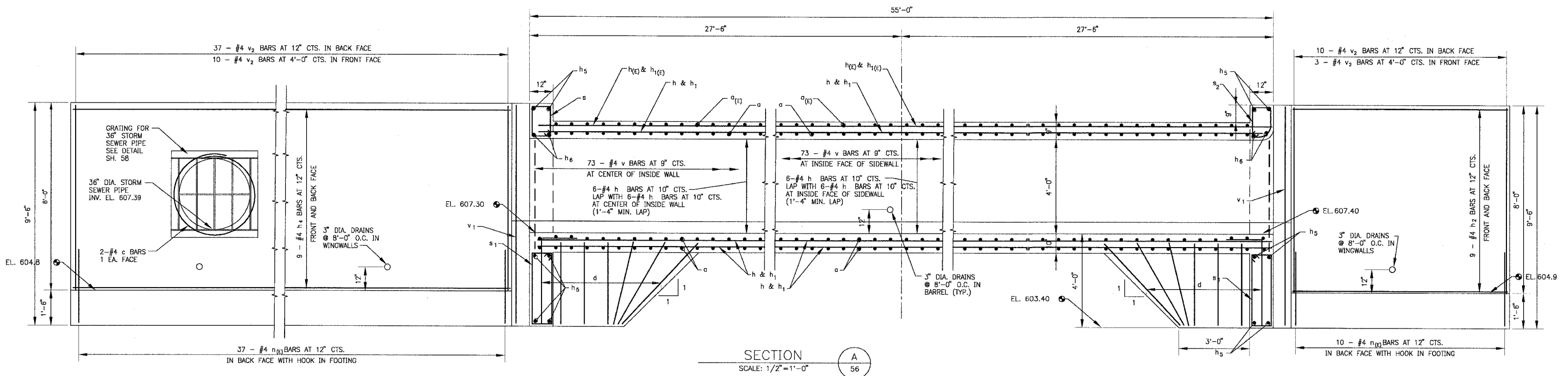
HAMMEL CREEK
BOX CULVERT @ STA. 36+74
PLAN AND DETAILS

DESIGNED BY	SCALE
BAB	AS NOTED
DRAWN BY	PROJECT NO.
DEK	010665
CHECKED BY	SHEET NO.
MHY	
DATE	
10-05-04	

56 OF 85



SECTION B
SCALE: 1/2" = 1'-0"



SECTION A
SCALE: 1/2" = 1'-0"

NOTE:
v2 BARS FOR WINGWALL SHALL BE ORDERED
FULL LENGTH AND CUT TO FIT.

SEE GENERAL NOTES SH. 58

CONSULTANTS: BAXTER & WOODMAN, INC.
 1225 W. MONROE ST., SUITE 100, ROCKFORD, ILLINOIS 61103
 TEL: 815.398.1111 FAX: 815.398.1112

REV. NO.	DATE	DESCRIPTION
1	12-21-04	PER IDOT REVIEW

DRAWING FILE: BOXCULV.DWG
 PLOTTED BY: DEK 16/DEC/04 10:20

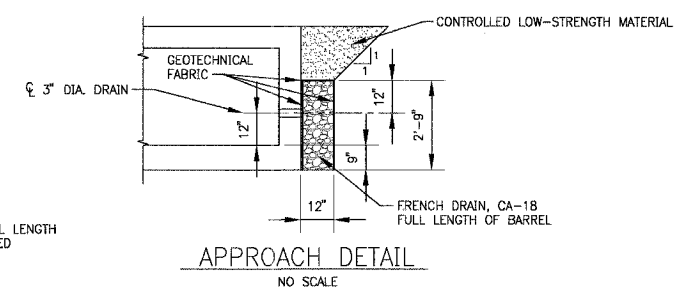
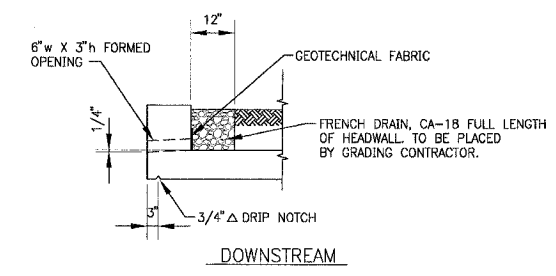
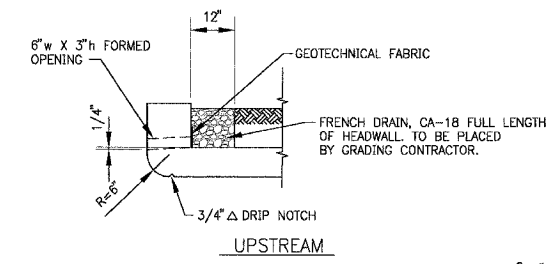


Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.8090
 DeKalb, Illinois 815.787.3111
 Crayslake, Illinois 847.223.5088
 Rockford, Illinois 815.488.1551

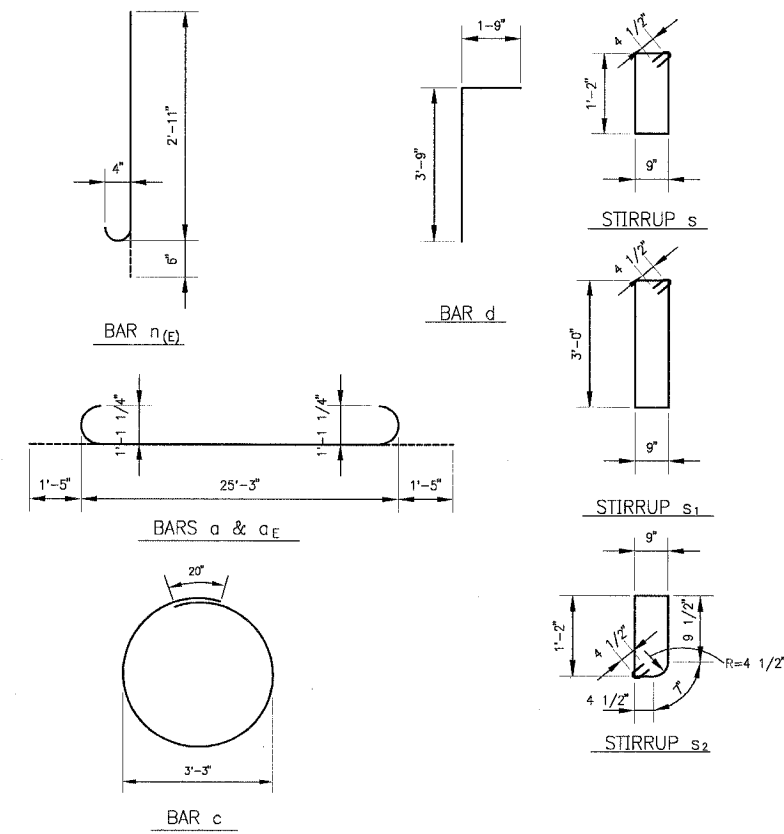
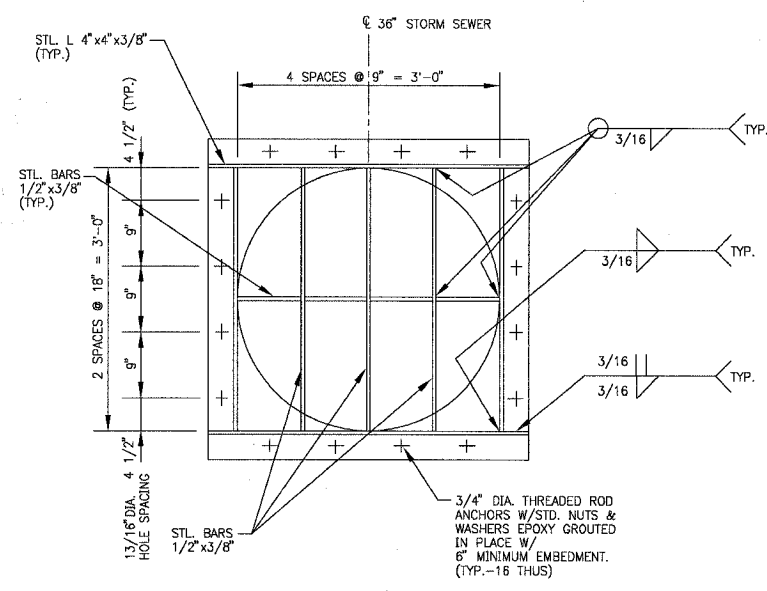
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

HAMMEL CREEK
BOX CULVERT
SECTIONS

DESIGNED BY	SCALE
DRAWN BY	AS NOTED
CHECKED BY	PROJECT NO.
MHY	010665
DATE	SHEET NO.
10-05-04	57 OF 85



Bar	No.	Size	Length	Shape
a	249	10	28'-1"	
a _E	83	10	28'-1"	
c	2	4	11'-8"	
d	78	4	5'-6"	
h	114	4	40'-0"	
h ₁	114	4	16'-1"	
h ₂	36	4	8'-1"	
h ₃	18	4	11'-3"	
h ₄	18	4	35'-6"	
h ₅	12	6	25'-3"	
h ₆	4	10	25'-3"	
h _{top}	32	4	40'-0"	
h _{bot}	32	4	16'-6"	
n _{top}	70	4	3'-5"	
s	27	4	4'-7"	
s ₁	54	4	8'-3"	
s ₂	27	4	4'-5"	
t	136	4	4'-7"	
v	219	4	5'-3"	
v ₁	8	5	9'-3"	
v ₂	90	4	7'-10"	
w ₁	16	5	8'-11"	
w ₂	8	5	11'-5"	
w ₃	8	5	35'-5"	



ITEM	UNIT	QUANTITY
CONCRETE BOX CULVERTS	CU. YD.	136
REINFORCEMENT BARS, EPOXY COATED	LB.	11400
REINFORCEMENT BARS	LB.	39100
CONTROLLED LOW-STRENGTH MATERIAL	CU. YD.	28
FRENCH DRAIN, CA-18	CU. YD.	18
GRATING FOR 36" STORM SEWER	EA.	1

GENERAL NOTES

- DESIGNED IN ACCORDANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, DATED 2002, INCLUDING 2003 INTERIMS. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2002 AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2003.
- CONCRETE SHALL BE CLASS SI (f'c = 3,500 PSI MINIMUM EXCEPT WHERE SHOWN ON DRAWINGS).
- REINFORCEMENT BARS SHALL CONFORM TO REQUIREMENTS OF AASHTO M-31, M-42 OR M-53, GRADE 60.
- REINFORCEMENT BARS DESIGNATED "(E)" SHALL BE EPOXY COATED.
- PLACE REINFORCING BARS TO PROVIDE 2 INCHES CLEAR CONCRETE COVER EXCEPT WHERE SHOWN ON DRAWINGS.
- REINFORCEMENT BENDING DETAILS SHALL BE IN ACCORDANCE WITH THE "MANUAL OF STANDARD PRACTICE FOR REINFORCED CONCRETE STRUCTURES", ACI 318, LATEST EDITION.
- STAGGER SPLICES IN TOP AND BOTTOM SLABS.
- ALL CONSTRUCTION JOINTS SHALL BE BONDED.
- PLACE GEOTECHNICAL FABRIC WHERE SHOWN (TO BE INCLUDED IN THE WORK FOR FRENCH DRAIN, CA-18).
- PROVIDE 1" CHAMFER ON ALL EXPOSED EDGES.

COPYRIGHT © 2004 BY BAXTER & WOODMAN, INC.
 715/546-1111 FAX 715/546-1112
 13400 WISCONSIN DRIVE, WISCONSIN, WI 53511

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER IDOT REVIEW

DRAWING FILE: BOXCULV.DWG
 PLOTTED BY: DEK 16/DEC/04 10:21

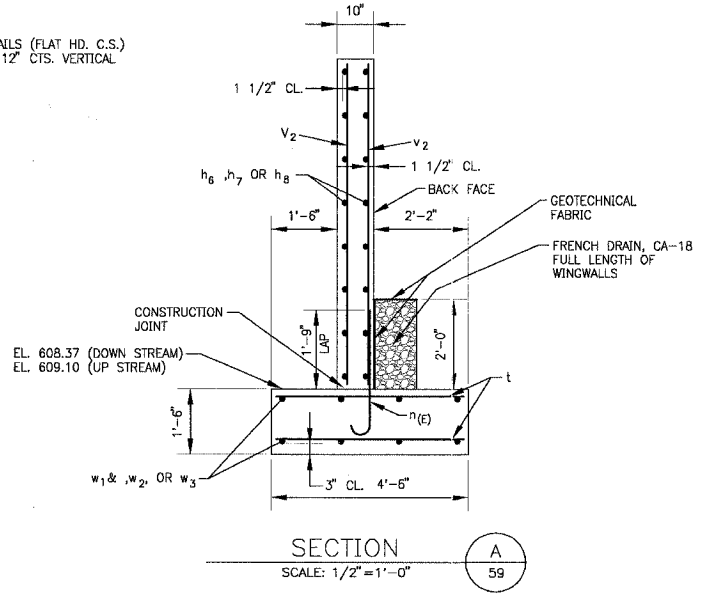
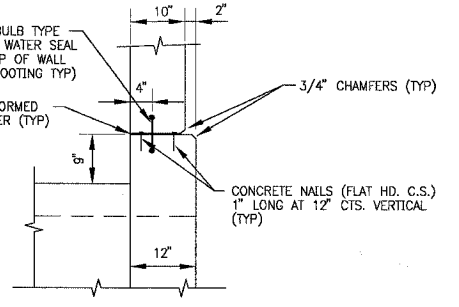
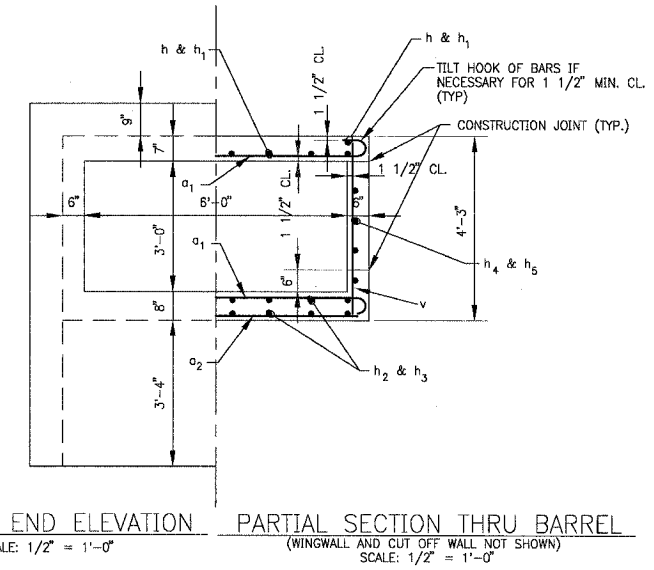
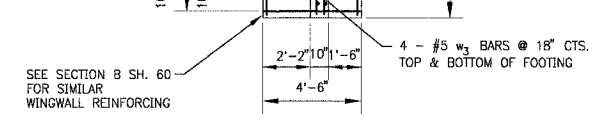
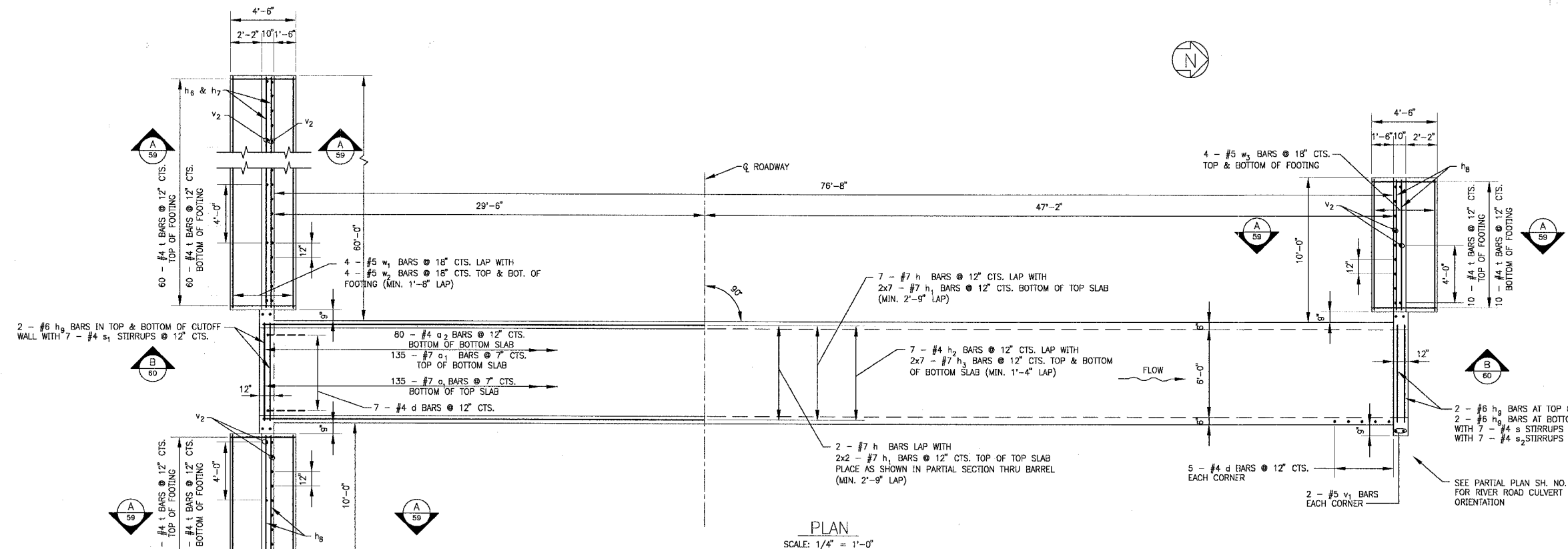
BAXTER & WOODMAN
 Consulting Engineers
 Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

HAMMEL CREEK
BOX CULVERT
DETAILS

DESIGNED BY	SCALE
BAB	AS NOTED
DRAWN BY	PROJECT NO.
DEK	010665
CHECKED BY	SHEET NO.
MHY	
DATE	
10-05-04	

58 OF 85



CONSTRUCTION SPECIFICATIONS

PERFORM WORK IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2002, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2004 AND INSERTED SPECIAL PROVISIONS UPDATED MAY 6, 2004.

DESIGN STRESSES

f_y = 60,000 P.S.I.
f'_c = 3,500 P.S.I.

ALLOWABLE NET SOIL BEARING PRESSURE = 2,500 P.S.F. MINIMUM

LOADING HS20-44

ALLOW 50 LB/SF FOR FUTURE WEARING SURFACE

NOTES:

- SEE GENERAL NOTES ON SHEET 58
- BARS INDICATED THUS 12 x 4 - #5 ETC. INDICATES 12 LINES OF BARS WITH 4 LENGTHS PER LINE.

WATERWAY INFORMATION

DRAINAGE AREA	0.13	SQ. MILES
PROVIDED OPENING	18	SQ. FT.
DESIGN DISCHARGE	66	CFS
DESIGN CREATED HEAD	1.8	FT.
100-YR. DISCHARGE	75	CFS
100-YR. CREATED HEAD	1.8	FT.

COPYRIGHT © 2004 BY BAXTER & WOODMAN, INC. LICENSE NO. 184-00713 - EXPIRES 12/31/2003

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER IDOT REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: BOXCULV-2.DWG

PLOTTED BY: DEK 16/DEC/04 10:27

BAXTER & WOODMAN
Consulting Engineers

Baxter & Woodman
Crystal Lake, Illinois 815.459.1280
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.3111
Crestlake, Illinois 847.223.5088
Rockford, Illinois 815.488.1551

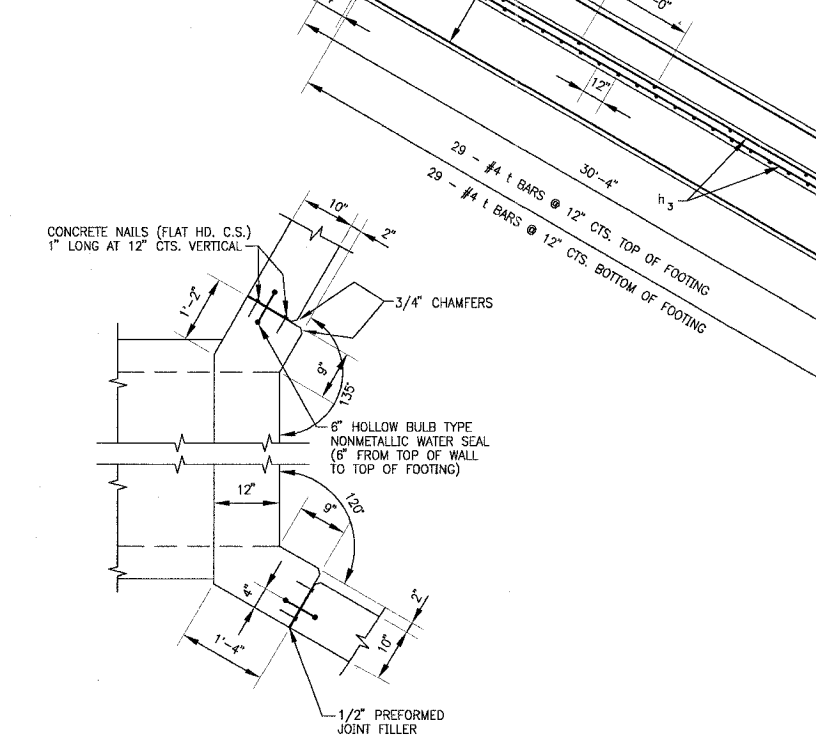
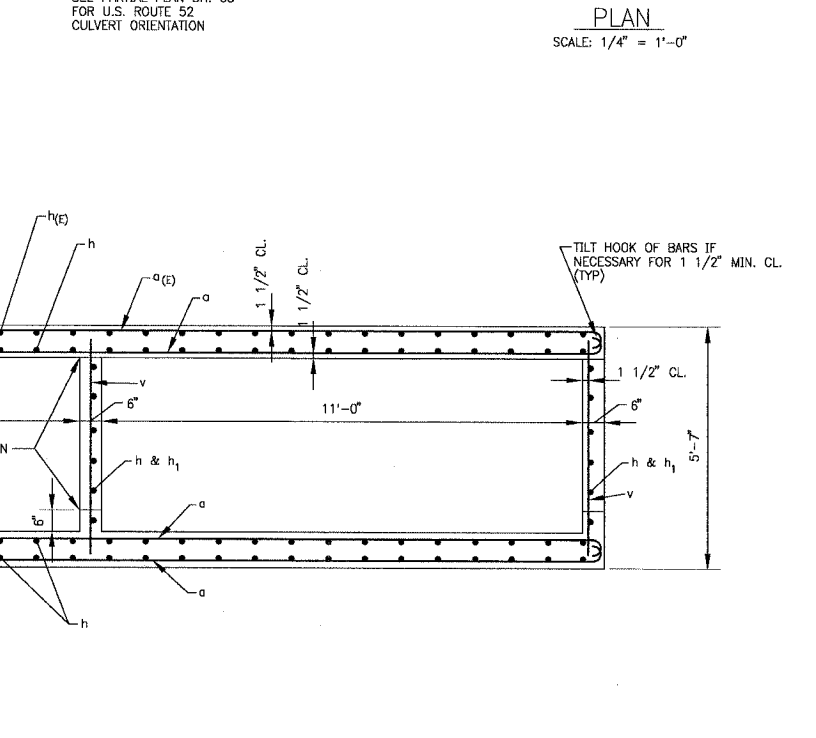
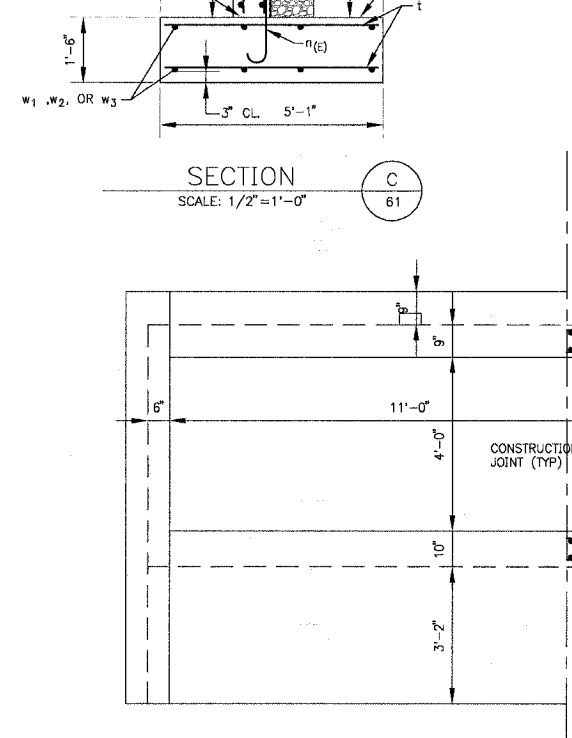
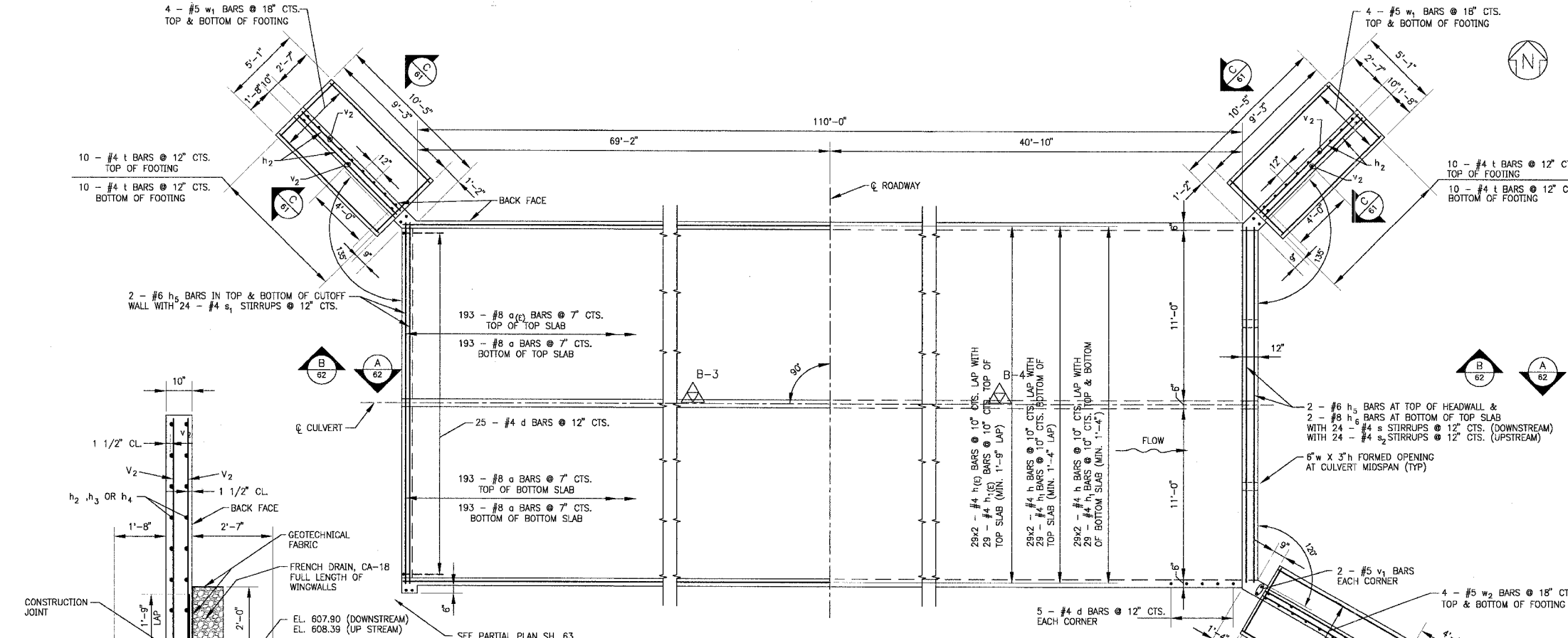
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

U.S. RTE. 52
BOX CULVERT @ STA. 24+13.62
PLAN AND DETAILS

DESIGNED BY	SCALE
BAB	AS NOTED
DRAWN BY	PROJECT NO.
DEK	010665
CHECKED BY	SHEET NO.
MHY	
DATE	
10-05-04	

59 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	61
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT	CMF-0607 (070)	
CONTRACT NO. 83786				



CONSTRUCTION SPECIFICATIONS

PERFORM WORK IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2002, SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2004 AND INSERTED SPECIAL PROVISIONS UPDATED MAY 6, 2004.

DESIGN STRESSES

f_y = 60,000 P.S.I.
f_c = 3,500 P.S.I.

ALLOWABLE NET SOIL BEARING PRESSURE = 2,500 P.S.F. MINIMUM

LOADING HS20-44

ALLOW 50 LB/SF FOR FUTURE WEARING SURFACE

NOTES:

- SEE GENERAL NOTES ON SHEET 58
- REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.
- BARS INDICATED THUS 12x4 - #5 ETC. INDICATES 12 LINES OF BARS WITH 4 LENGTHS PER LINE.

WATERWAY INFORMATION

DRAINAGE AREA	1.9	SQ. MILES
PROVIDED OPENING	88	SQ. FT.
DESIGN DISCHARGE	445	CFS
DESIGN CREATED HEAD	0.2	FT.
100-YR. DISCHARGE	550	CFS
100-YR. CREATED HEAD	0.3	FT.

CONSULTANTS

REV. NO. DATE DESCRIPTION

1 12-21-04 PER IDOT REVIEW

DRAWING FILE: BOXCULV-3.DWG

PLOTTED BY: DEK 16/DEC/04 08:47

DESIGNED BY	SCALE
BAB	AS NOTED
DRAWN BY	PROJECT NO.
DEK	010665
CHECKED BY	SHEET NO.
MHY	
DATE	
10-05-04	

BAXTER & WOODMAN

Crystal Lake, Illinois 815.459.1260
Burlington, Wisconsin 262.763.7834
Mokena, Illinois 708.478.2090
DeKalb, Illinois 815.787.3111
Crystal Lake, Illinois 847.223.5088
Rockford, Illinois 815.489.1551

Consulting Engineers

VILLAGE OF SHOREWOOD, ILLINOIS

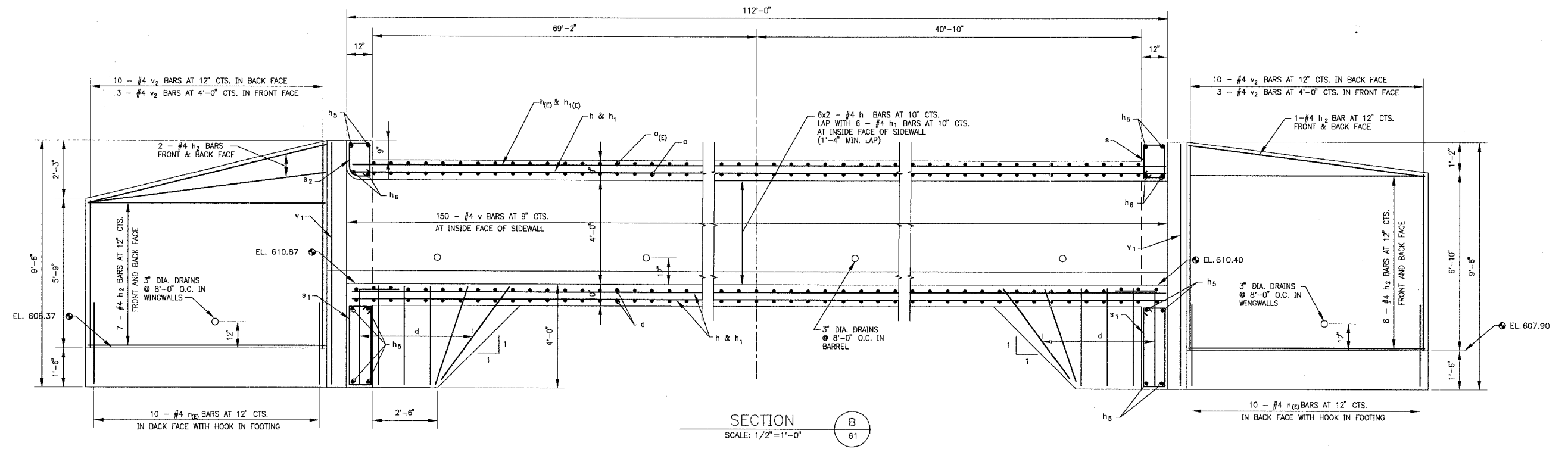
U.S. ROUTE 52 IMPROVEMENTS

RIVER ROAD

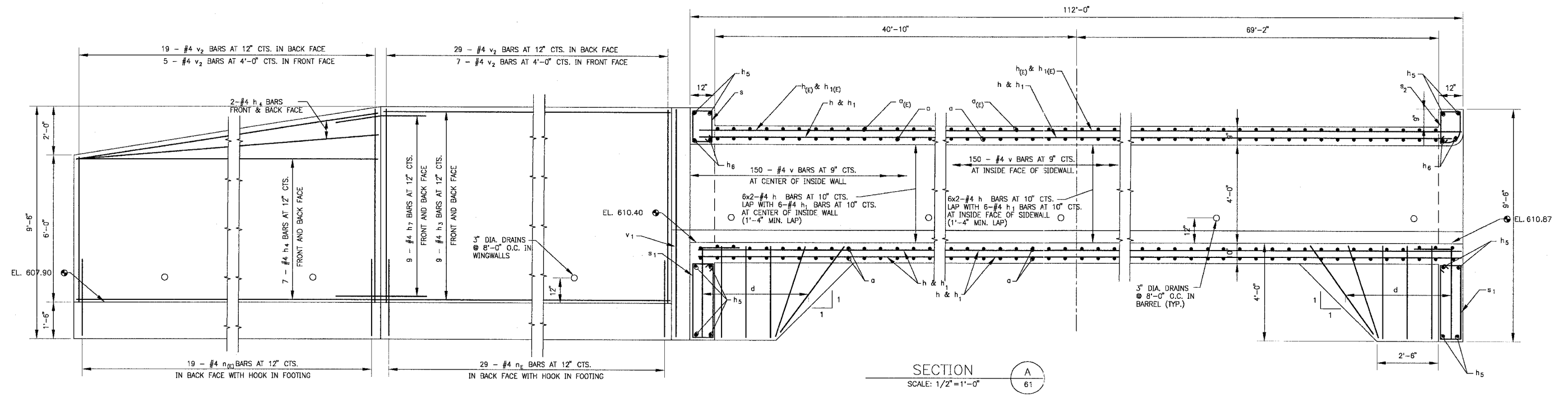
BOX CULVERT @ STA. 55+48.46

PLAN AND DETAILS

61 OF 85



SECTION B
SCALE: 1/2" = 1'-0"



SECTION A
SCALE: 1/2" = 1'-0"

NOTE:
v₂ BARS FOR WINGWALL SHALL BE ORDERED FULL LENGTH AND CUT TO FIT.

SEE GENERAL NOTES SH. 58

COPYRIGHT © 2004 BY BAXTER & WOODMAN, INC.
 225 W. ILL. ST., CHICAGO, IL 60601-1000

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER IDOT REVIEW

DRAWING FILE: BOXCULV-3.DWG
 PLOTTED BY: DEK 16/DEC/04 08:48

BAXTER & WOODMAN
 Consulting Engineers
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.499.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

DESIGNED BY	SCALE
BAB	AS NOTED
DRAWN BY	PROJECT NO.
DEK	010665
CHECKED BY	SHEET NO.
MHY	
DATE	
10-05-04	

62 OF 85

CONTRACT NO. 83786

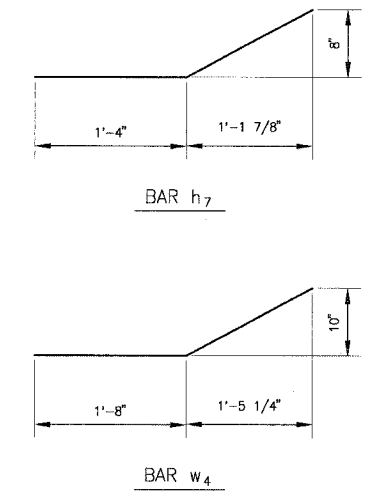
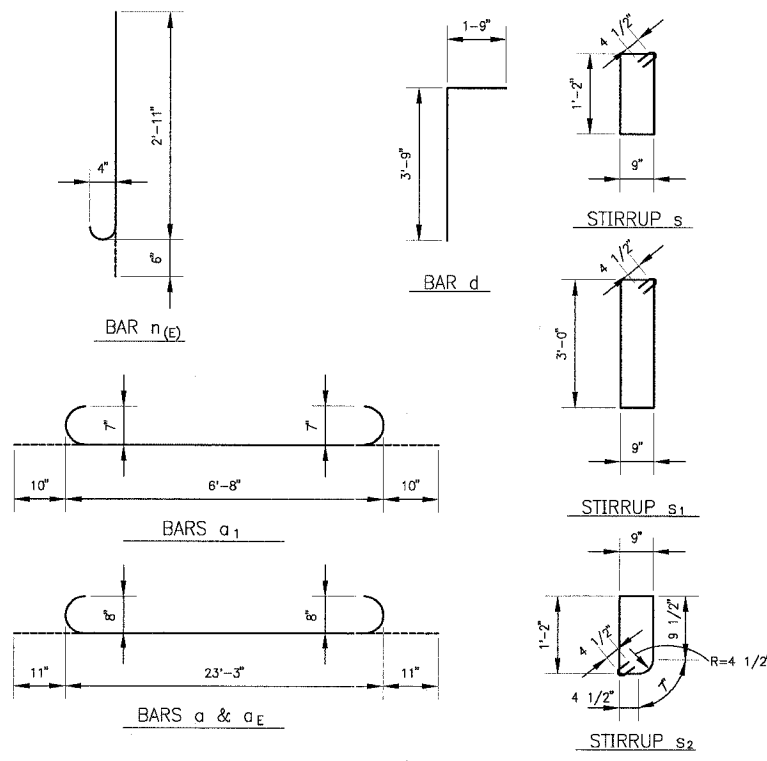
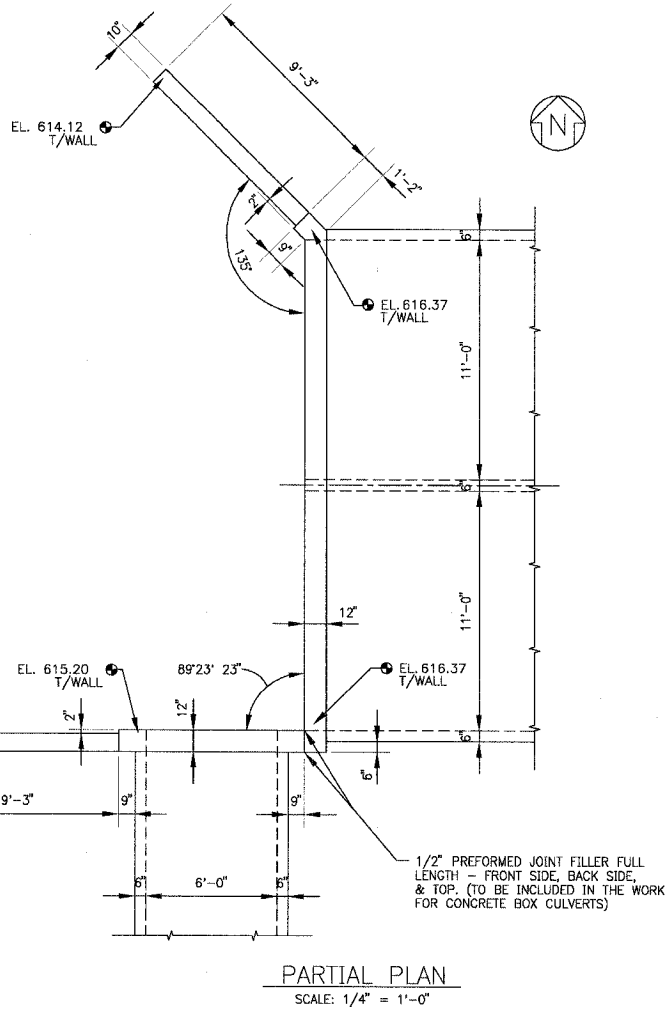
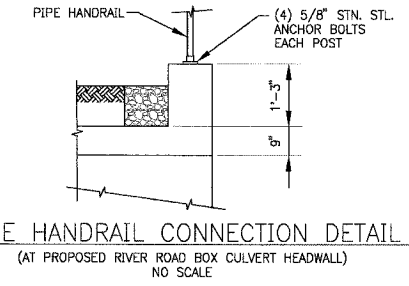
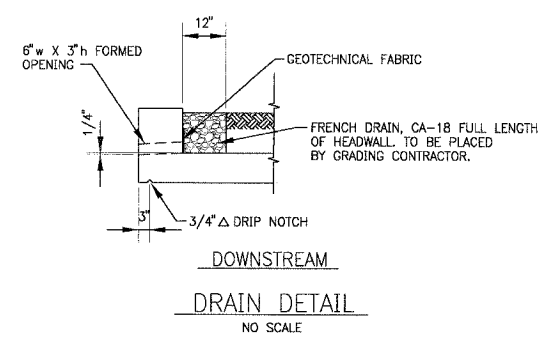
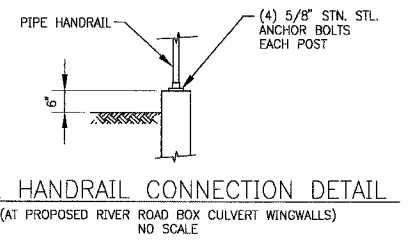
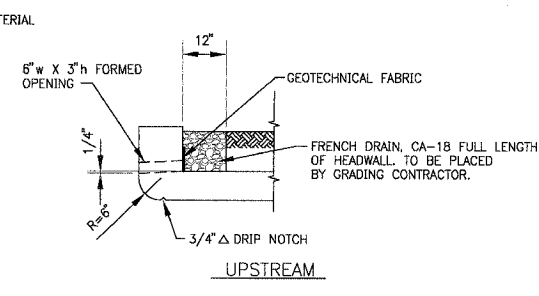
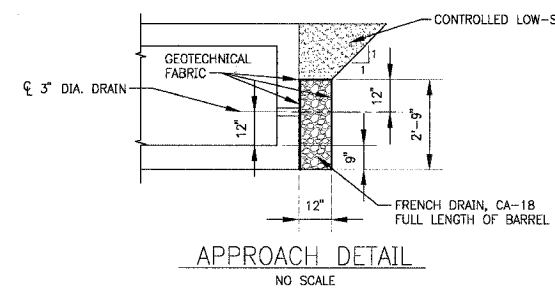
U.S. ROUTE 52 BOX CULVERTS

CULVERT REINFORCEMENT				
Bar	No.	Size	Length	Shape
a ₁	270	7	8'-4"	[Diagram]
a ₂	80	4	6'-9"	
d	34	4	5'-6"	[Diagram]
h	9	7	40'-0"	[Diagram]
h ₁	18	7	21'-11"	
h ₂	14	4	20'-8"	[Diagram]
h ₃	12	5	40'-0"	
h ₄	24	5	20'-10"	[Diagram]
h ₅	16	4	40'-0"	
h ₆	16	4	20'-4"	[Diagram]
h ₇	32	4	9'-0"	
h ₈	16	6	6'-9"	[Diagram]
h ₉	80	4	3'-5"	
n ₁	7	4	4'-7"	[Diagram]
n ₂	14	4	8'-3"	
n ₃	7	4	4'-5"	[Diagram]
s	160	4	4'-3"	
v ₁	212	4	3'-11"	[Diagram]
v ₂	8	5	8'-1"	
w ₁	101	4	6'-8"	[Diagram]
w ₂	8	5	40'-0"	
w ₃	8	5	20'-8"	[Diagram]
w ₄	16	5	9'-0"	

BILL OF MATERIALS		
ITEM	UNIT	QUANTITY
CONCRETE BOX CULVERTS	CU. YD.	73
REINFORCEMENT BARS, EPOXY COATED	LB.	200
REINFORCEMENT BARS	LB.	11500
CONTROLLED LOW-STRENGTH MATERIAL	CU. YD.	15
FRENCH DRAIN, CA-18	CU. YD.	22

RIVER ROAD BOX CULVERT				
CULVERT REINFORCEMENT				
Bar	No.	Size	Length	Shape
a	579	8	25'-1"	[Diagram]
a ₁₀	193	8	25'-1"	
d	70	4	5'-6"	[Diagram]
h	210	4	40'-0"	[Diagram]
h ₁	105	4	34'-8"	
h ₂	36	4	9'-0"	[Diagram]
h ₃	18	4	30'-1"	
h ₄	18	4	18'-9"	[Diagram]
h ₅	12	6	23'-3"	
h ₆	4	8	23'-3"	[Diagram]
h ₇	18	4	2'-9"	
h ₈	58	4	40'-0"	[Diagram]
h ₁₀	29	4	35'-6"	
n ₁₀	68	4	3'-5"	[Diagram]
s	24	4	4'-7"	[Diagram]
s ₁	48	4	8'-3"	
s ₂	24	4	4'-5"	[Diagram]
t	144	4	4'-10"	
v	450	4	5'-3"	[Diagram]
v ₁	8	5	9'-3"	
v ₂	86	4	7'-9"	[Diagram]
w ₁	16	5	8'-11"	
w ₂	8	5	29'-0"	[Diagram]
w ₃	8	5	19'-0"	
w ₄	8	5	3'-4"	[Diagram]

BILL OF MATERIALS		
ITEM	UNIT	QUANTITY
CONCRETE BOX CULVERTS	CU. YD.	221
REINFORCEMENT BARS, EPOXY COATED	LB.	15400
REINFORCEMENT BARS	LB.	52500
CONTROLLED LOW-STRENGTH MATERIAL	CU. YD.	57
FRENCH DRAIN, CA-18	CU. YD.	29



SEE GENERAL NOTES SH. 58

COPYRIGHT © 2001 BY BAXTER & WOODMAN, INC.
 LICENSE NO. 138-00121 10/08/03

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER IDOT REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

DRAWING FILE: BOXCULV-3.DWG

PLOTTED BY: DEK 16/DEC/04 08:48

BAXTER & WOODMAN
 Consulting Engineers

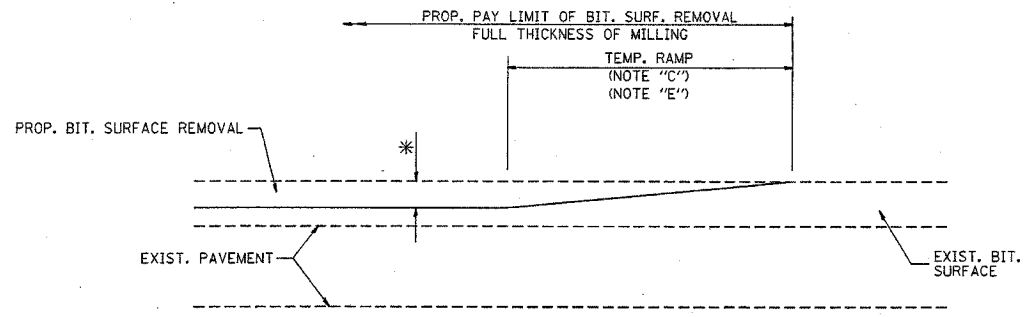
Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graystone, Illinois 847.223.5088
 Rockford, Illinois 815.488.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

U.S. RTE. 52 & RIVER ROAD
BOX CULVERTS
DETAILS

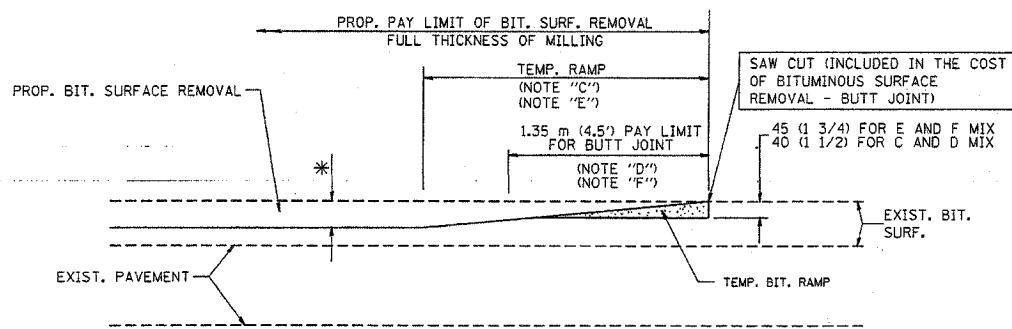
DESIGNED BY	SCALE
BAB	AS NOTED
DRAWN BY	PROJECT NO.
DEK	010665
CHECKED BY	SHEET NO.
MHY	
DATE	
10-05-04	63 OF 85

F.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	64
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.: 83786		F-0607 (070)		



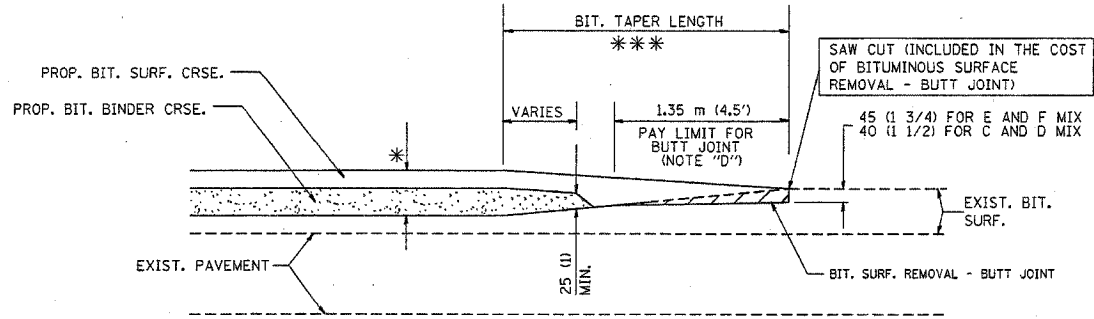
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW)

OPTION 1

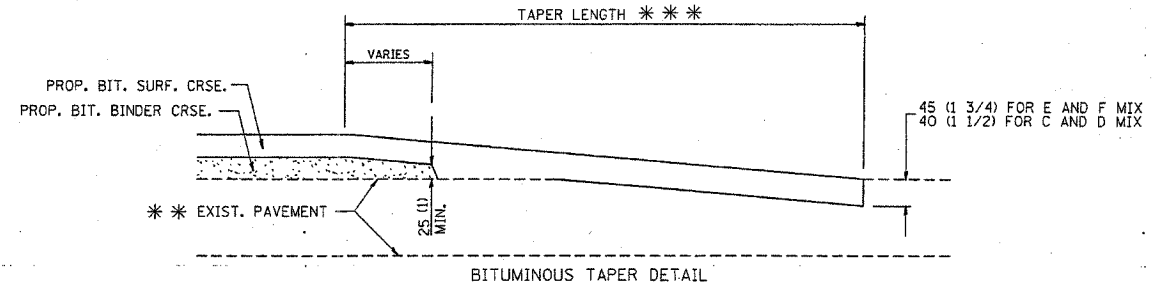
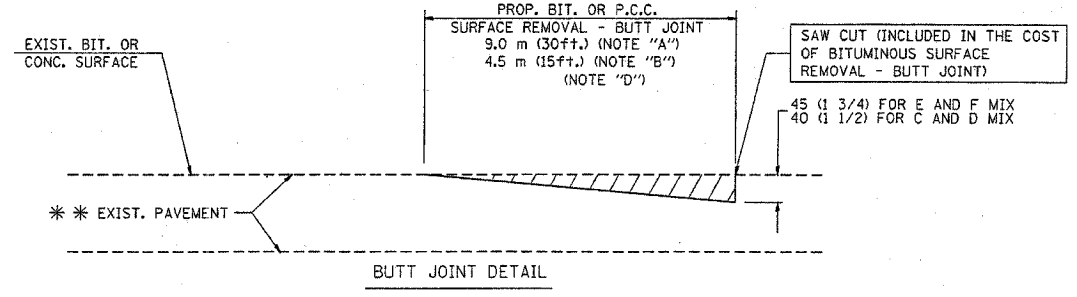


BITUMINOUS CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP



BUTT JOINT AND BITUMINOUS TAPER
TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR MILLING AND RESURFACING



TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR RESURFACING ONLY

*** PC CONCRETE, BITUMINOUS OR BITUMINOUS RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING BITUMINOUS SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED BITUMINOUS COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 900 (3 ft.) PER INCH OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 1.35 m (4.5') TEMP. BIT. RAMP WILL BE PAID AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT".
 - G: SEE ARTICLE 406.18 AND 406.24 OF THE STANDARD SPECIFICATIONS FOR "BITUMINOUS AND PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 6.1 m (20') PER 25 (1) RESURFACING (NOTE "A")
3.0 m (10') PER 25 (1) RESURFACING (NOTE "B")

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

BASIS OF PAYMENT:
THE BUTT JOINT WILL BE PAID FOR PER SQUARE METER (SQUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND BITUMINOUS TAPER DETAILS

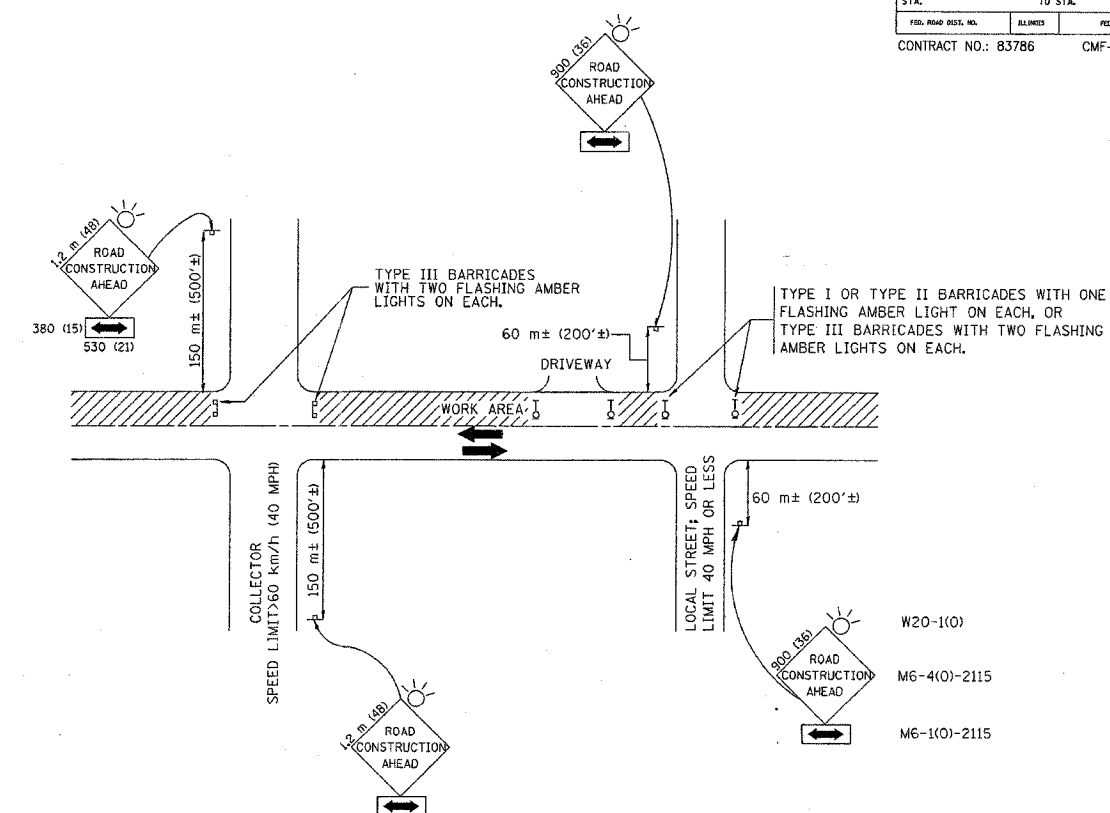
SCALE: NONE
DATE PLOTTED: 3/25/02

DRAWN BY
CHECKED BY

Copyright © 2002, by Dwyer & Robinson, Inc.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 01-001127 - EXPIRES 3/31/2005

Mon Mar 25 09:30:38 2002
 \\dlcadd\projects\dststd\bd32.dgn LV=35
 VI=8032

P.L. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	65
STA.		TO STA.		
FED. ROAD DIST. NO.	ALIMES	FED. AID PROJECT		
CONTRACT NO.: 83786		CMF-0607 (070)		



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE **ROAD CONSTRUCTION AHEAD** SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M5-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION
FOR
SIDE ROADS, INTERSECTIONS, AND
DRIVEWAYS

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

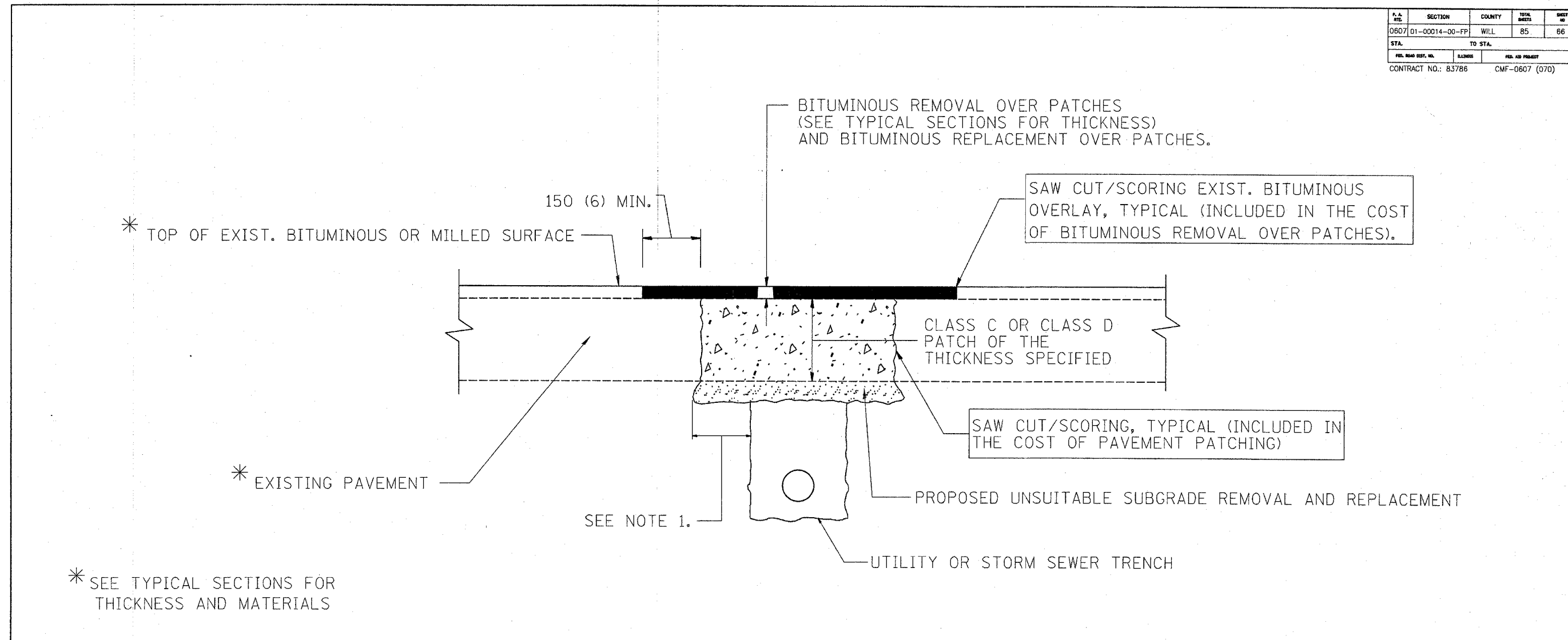
SCALE: NONE
DATE: 11/20/01
DRAWN BY
CHECKED BY

Tue Nov 20 16:07:55 2001
N:\elc\td\projects\diststd\td10.dgn LV:35
VI:TC10

Copyright © 2004, by BAKER & BUCHANAN, INC.
LITTLE ROCK, AR 72202-4000

enclish\td10.prk 15:49:35 11/20/2001

P.A. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	D1-00014-00-FP	WILL	85	66
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.: 83786		CMF-0607 (070)		



NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 300 (12) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE SPECIAL PROVISION "PATCHING WITH BITUMINOUS OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT

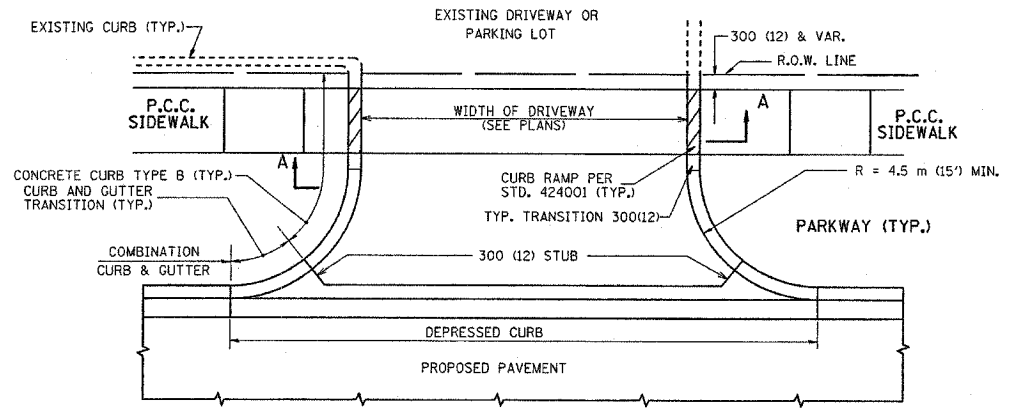
SCALE: NONE
DATE 07/09/2002
DRAWN BY
CHECKED BY

BD400-04 (BD-22)

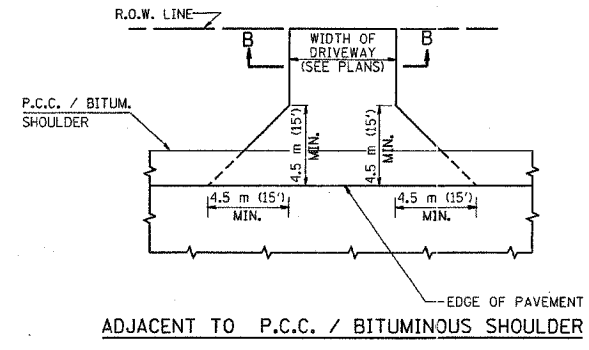
REVISIONS		REVISIONS	
NAME	DATE	NAME	DATE
R. SHAH	10/25/94	ART ABBAS	04/27/98
R. SHAH	01/14/95		
R. SHAH	03/23/95		
R. SHAH	04/24/95		
A. HOUSEH	03/15/96		
A. ABBAS	03/21/97		
A. ABBAS	01/20/98		

VI-8022
w:\dist\bd22.dgn
07/09/2002

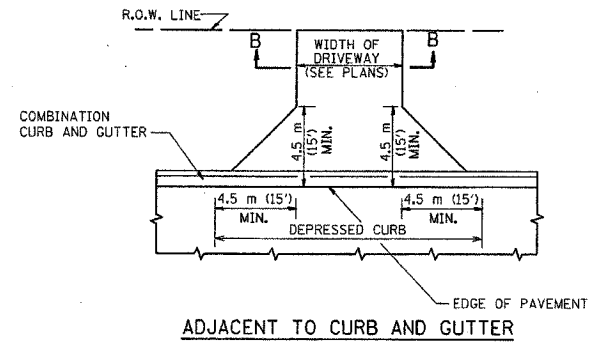
F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607101-00014-00-FP	WILL		85	67
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.: 83786		CMF-0607 (070)		



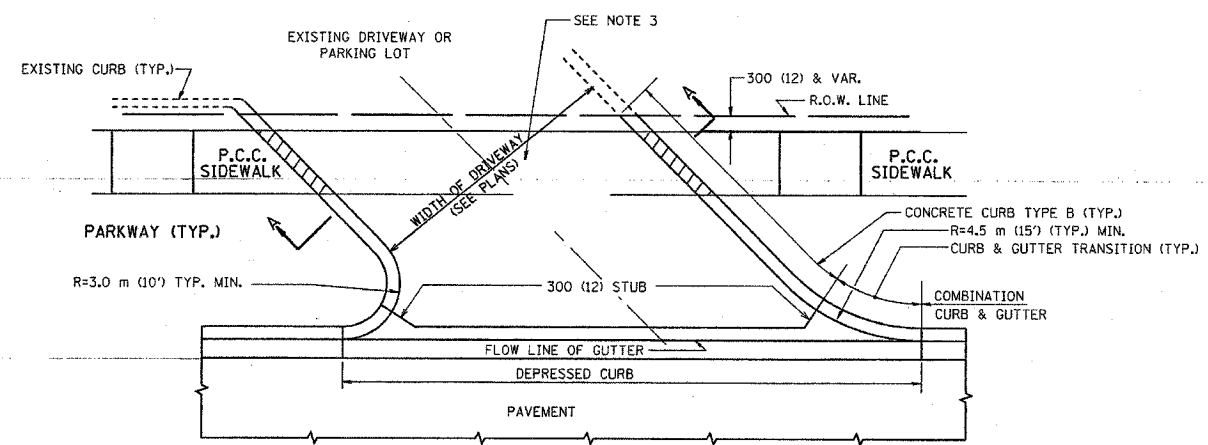
WITH CONCRETE CURB, TYPE B



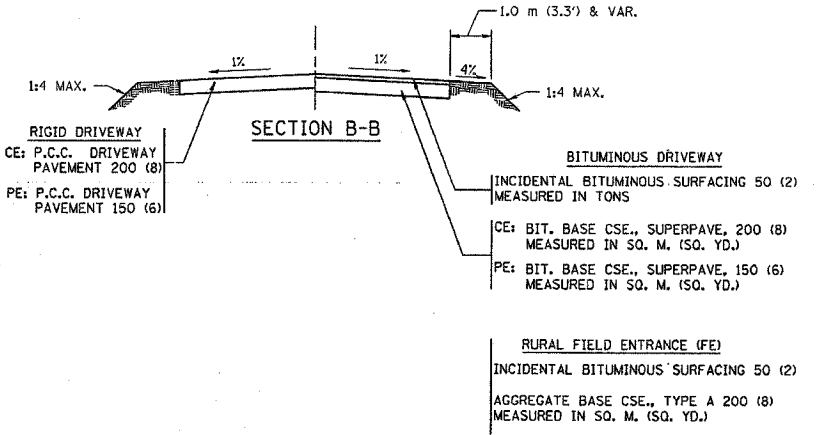
ADJACENT TO P.C.C. / BITUMINOUS SHOULDER



ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

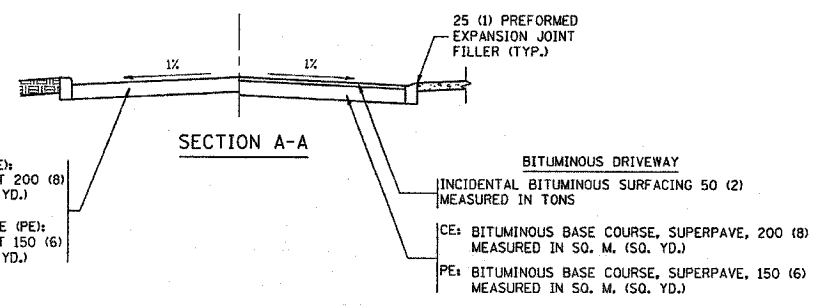
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 1.2 METERS (4 FEET) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

25 (1) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



RIGID DRIVEWAY
COMMERCIAL ENTRANCE (CE):
P.C.C. DRIVEWAY PAVEMENT 200 (8)
MEASURED IN SQ. M. (SQ. YD.)
NON-COMMERCIAL ENTRANCE (PE):
P.C.C. DRIVEWAY PAVEMENT 150 (6)
MEASURED IN SQ. M. (SQ. YD.)

BITUMINOUS DRIVEWAY
INCIDENTAL BITUMINOUS SURFACING 50 (2)
MEASURED IN TONS
CE: BITUMINOUS BASE COURSE, SUPERPAVE, 200 (8)
MEASURED IN SQ. M. (SQ. YD.)
PE: BITUMINOUS BASE COURSE, SUPERPAVE, 150 (6)
MEASURED IN SQ. M. (SQ. YD.)

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

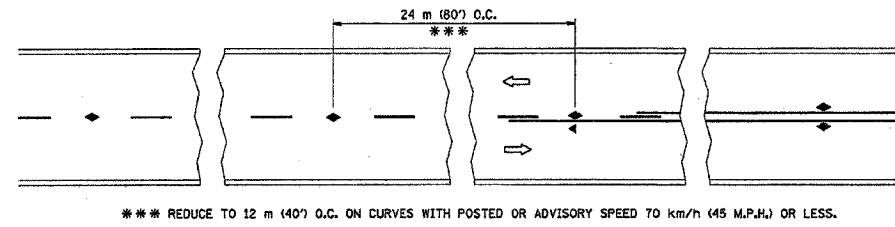
ILLINOIS DEPARTMENT OF TRANSPORTATION
DRIVEWAY DETAILS
DISTANCE BETWEEN R.O.W. AND FACE OF CURB / EDGE OF SHOULDER >= 4.5 m (15')

REVISIONS	
NAME	DATE
R. SHAH	08-05-95
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	10-06-01

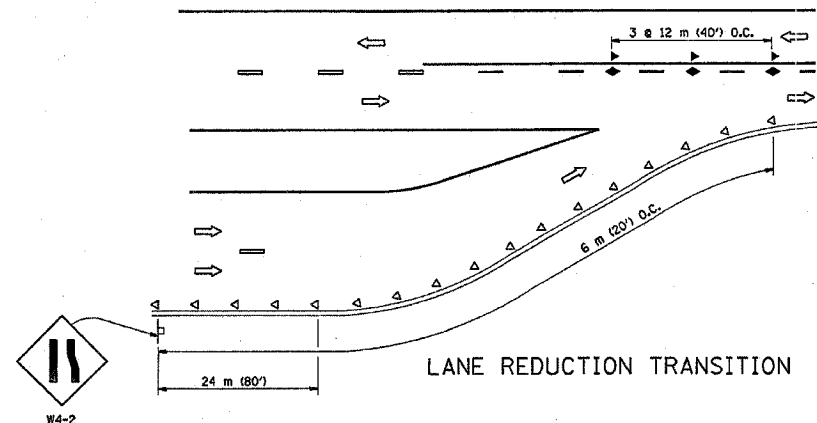
SCALE: NONE
DATE PLOTTED: 3/25/02
DRAWN BY: SG
CHECKED BY: JFP

BD400-01 (BD-01)

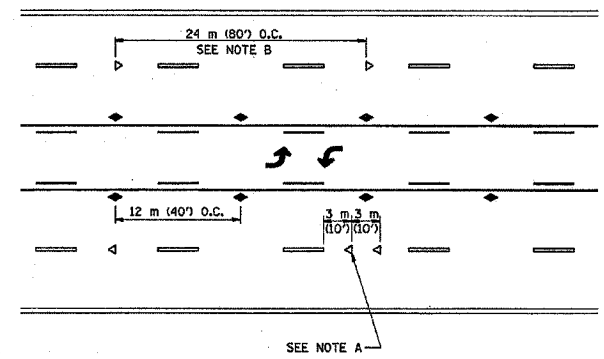
F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	68
STA.	TO STA.			
FED. ROAD DIST. NO.	ALPMS	FED. AID PROJECT		
CONTRACT NO.: B3786		CMF-0607 (070)		



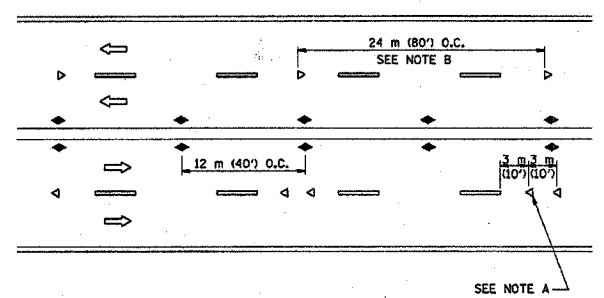
TWO-LANE/TWO-WAY



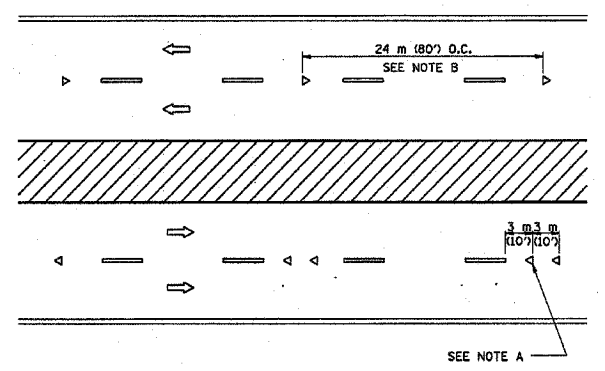
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 50 TO 75 (2 TO 3) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 150 m (500') IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

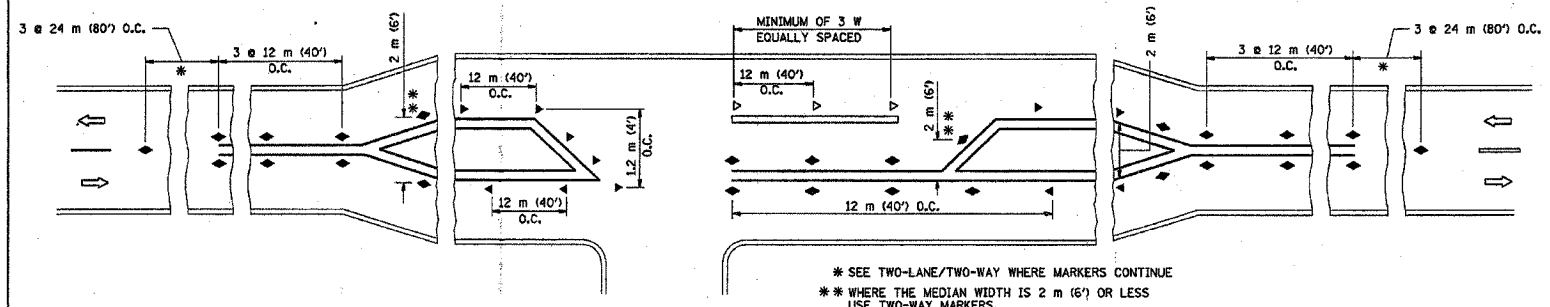
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- B. REDUCE TO 12 m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 20 km/h (10 M.P.H.) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS
(SNOW-PLOW RESISTANT)

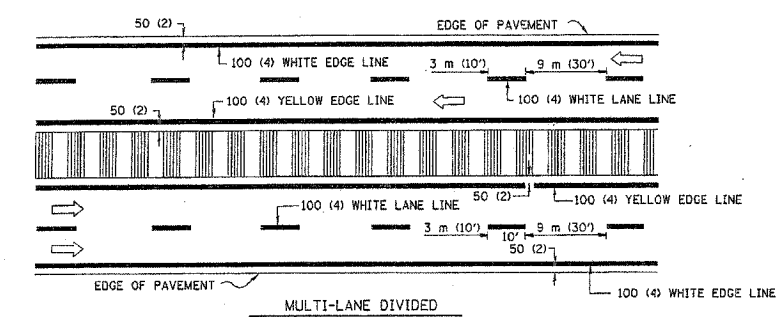
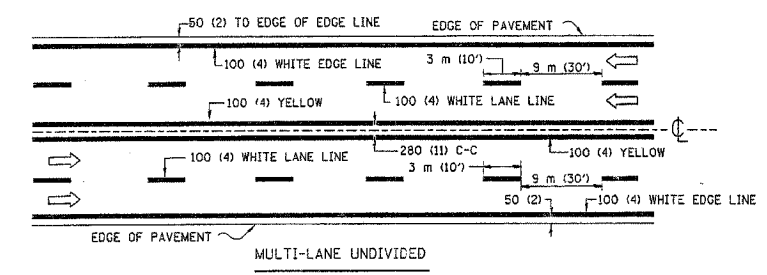
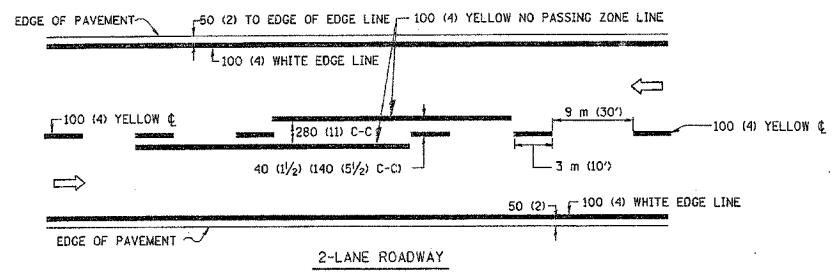
REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

SCALE: NONE
DATE: 12/04/2002

DRAWN BY CADD
CHECKED BY

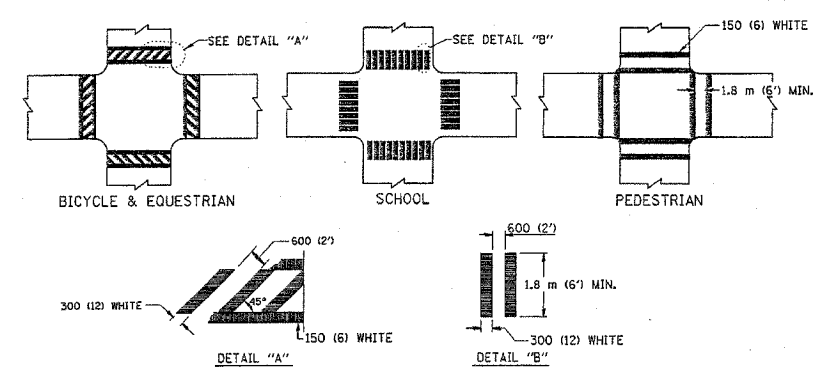
TC-11
REVISION DATE: 01/06/00

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	D1-00014-00-FF	WILL	85	69
STA.	TO STA.		FED. ROAD DIST. NO.	
	ILLINOIS		CONTRACT NO. 83786	
			FED. AID PROJECT CMF-0607 (070)	

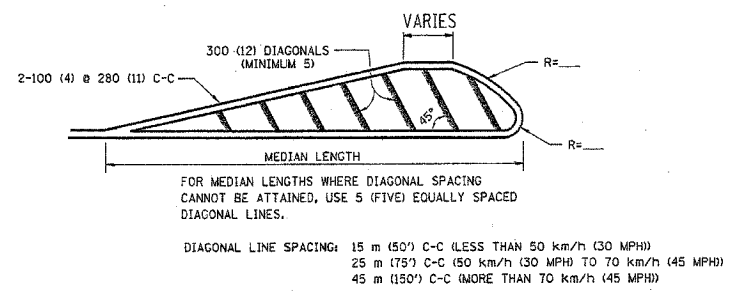
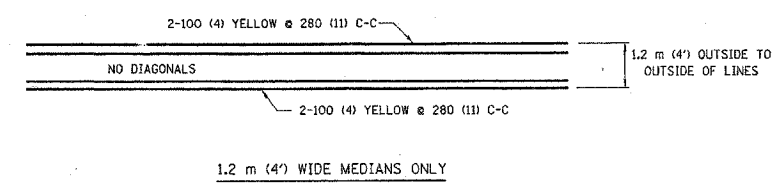


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

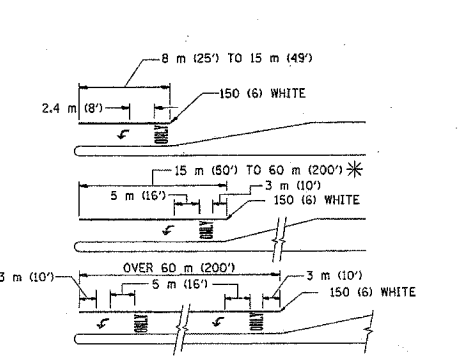
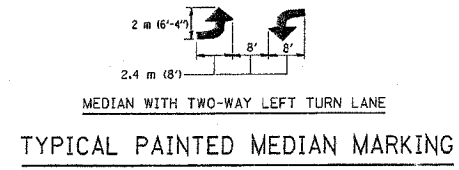
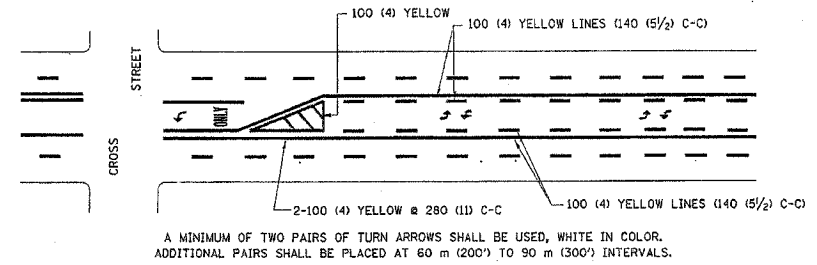
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

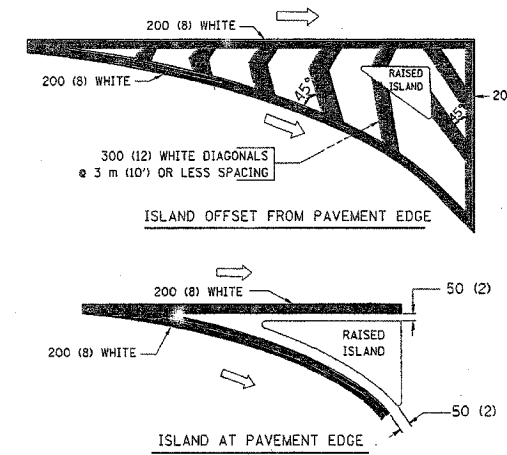


MEDIANS OVER 1.2 m (4') WIDE



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

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 1997 AND STATE STANDARD 780001.

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

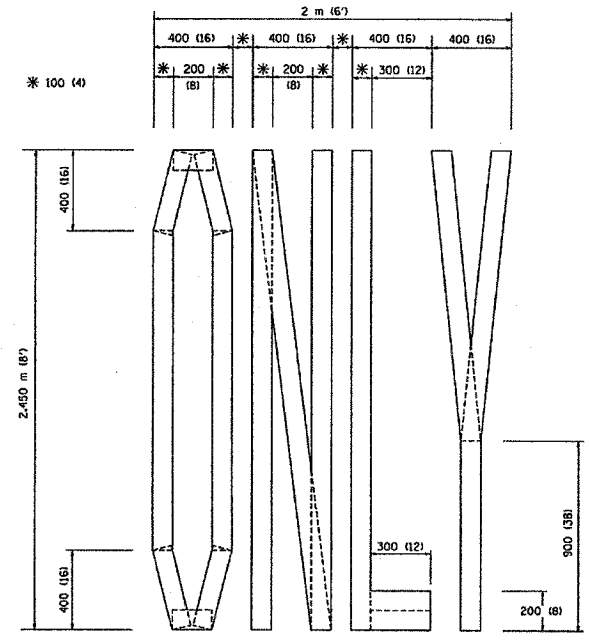
ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

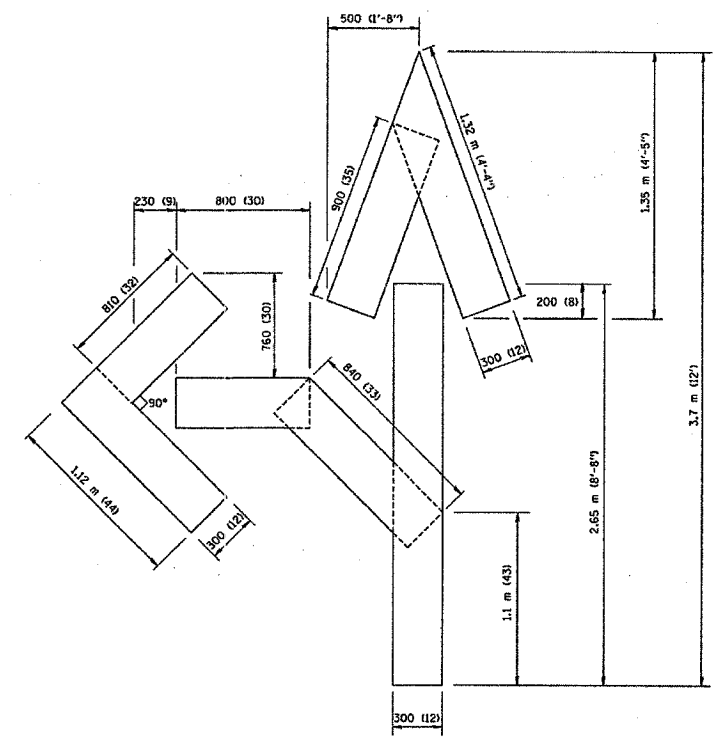
REVISIONS	
NAME	DATE
EVERS	02-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

SCALE: NONE
DATE 10/18/00
DRAWN BY CADD
CHECKED BY

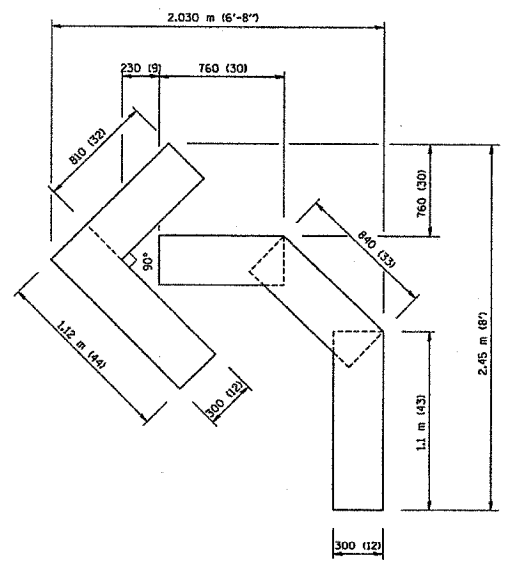
F.A. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	D1-00014-00-FH	WILL.	85	70
STA.	TO STA.			
FED. ROAD DIST. NO.	ALLOTTED	FED. AID PROJECT		
CONTRACT NO.: 83786		CMF-0607 (070)		



QUANTITY
 100 (4) LINE = 19.7 m (64.1 ft.)
 1.97 sq. m (21.1 sq. ft.)



QUANTITY
 100 (4) LINE = 25.3 m (82.5 ft.)
 2.53 sq. m (27.5 sq. ft.)



QUANTITY
 100 (4) LINE = 13.9 m (45.5 ft.)
 1.39 sq. m (15.2 sq. ft.)

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

SCALE: NONE
 DATE 10/18/2002

DRAWN BY CADD
 CHECKED BY TC-16

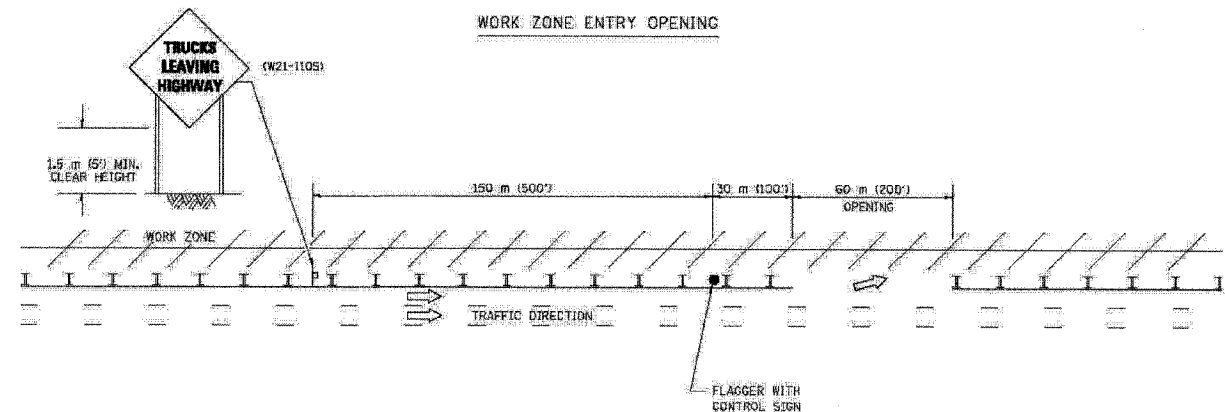
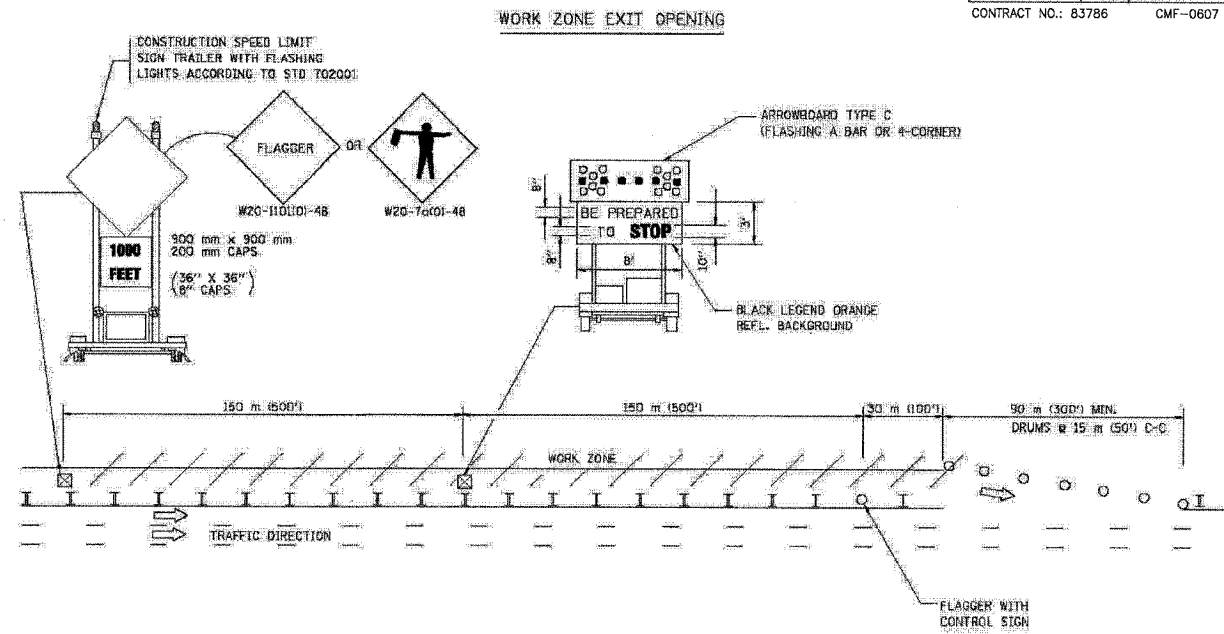
REVISION DATE: 08/28/00

Friday, October 18, 2002 @ 10:23:21 AM
 c:\projects\diststd\tbl6.dgn LV=35,63
 VPTC6

Copyright © 2004, by BATES & MOORE, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 000-000111 - LICENSED 4/25/2000

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-0014-00-FP	WILL	85	71
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO.: 83786		CMF-0607 (070)		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS



- NOTES:
1. The Arrowboard, the flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
 2. Work Zone Exit Openings should be a minimum of one half mile apart.
 3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
 4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

ILLINOIS DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS.

REVISIONS	
NAME	DATE
DWS	8/98
JAF	4/03

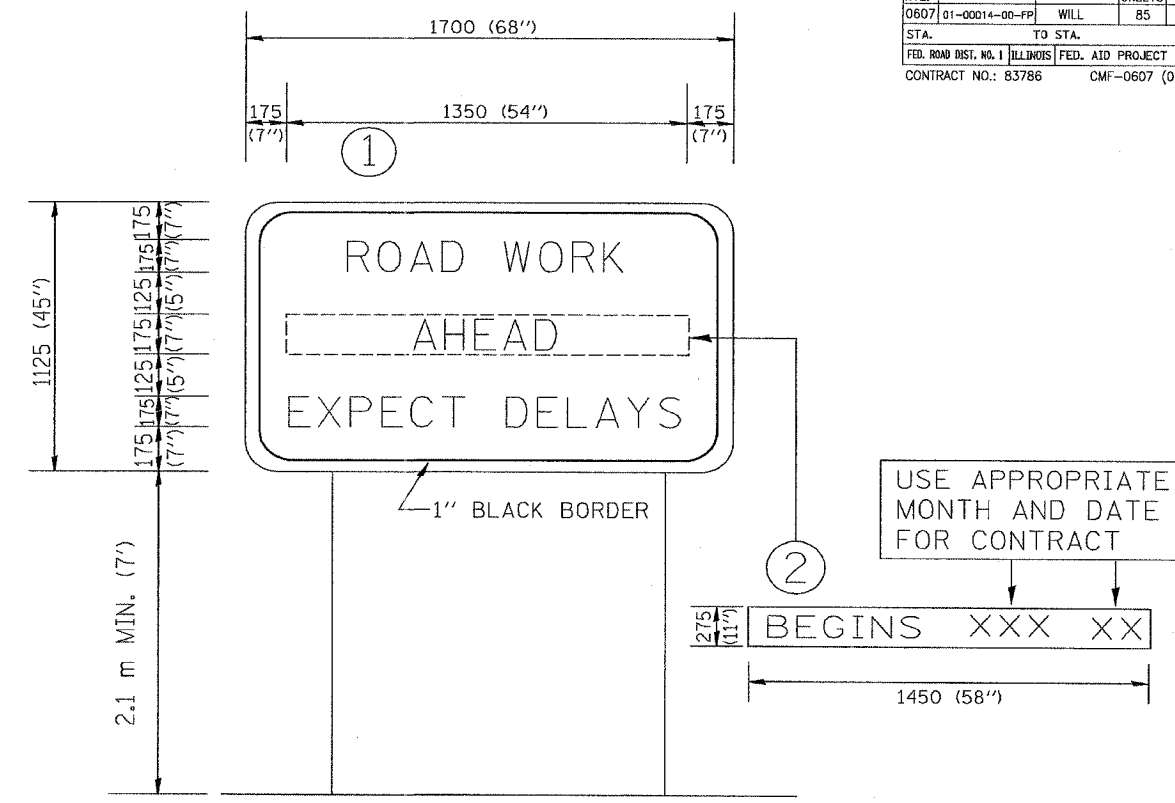
SCALE: NONE
 DATE: 05/06/2003
 DRAWN BY: CADD
 CHECKED BY: TC-16

REVISION DATE: 04/24/03

05/06/2003
 c:\projects\dist1\dist1.dwg
 1/15/03

COPYRIGHT © 2003 BY BAKER & MCKIM, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 04-00121 - EXP. 03/31/2005

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	72
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
CONTRACT NO.: 83786		CMF-0607 (070)		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 2.3 SQ. M. (25.70 SQ. FT.)

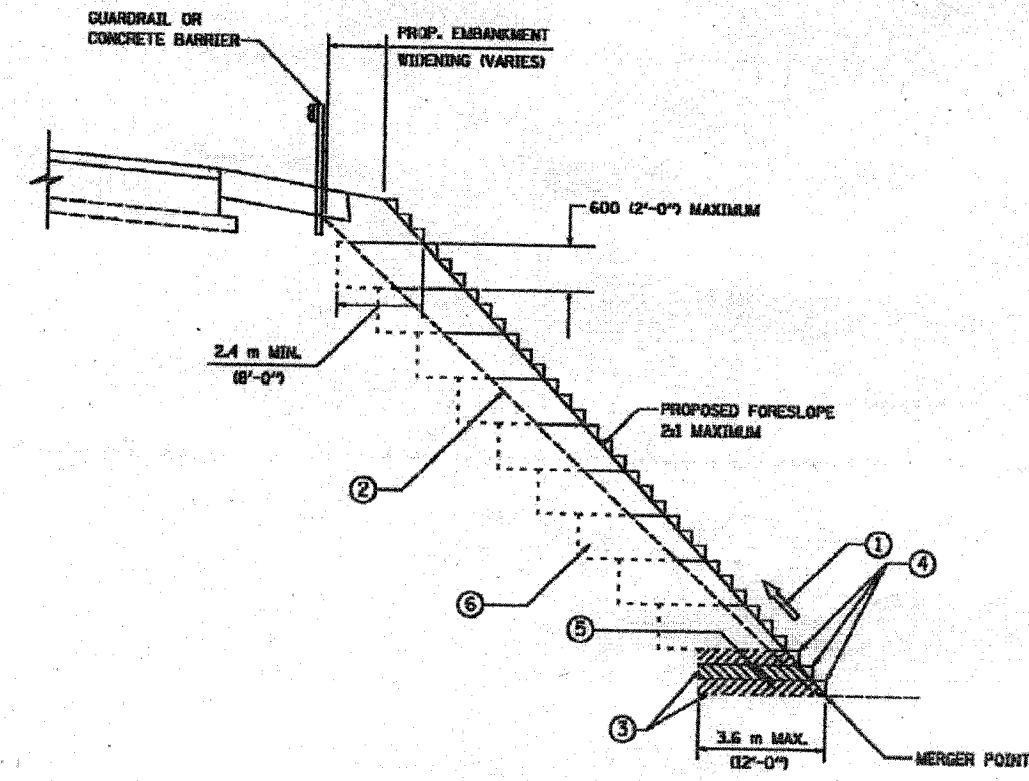
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TEMPORARY INFORMATION SIGNING
NAME	DATE	
R. MIRS	9-15-97	SCALE: DATE 10/18/2002 DRAWN BY: BUR. OF DESIGN CHECKED BY: TC22 REVISION DATE: 02/02/99
R. MIRS	2-11-97	
T. RAMMACHER	2-2-99	

Friday October 18, 2002 @ 10:25:17 AM
 c:\projects\diststd\to22.dgn LV=35,63
 V1-1122

COPYRIGHT © 2004, BY BAYER & WOODMILL, INC.
 ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT
 MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM
 OR BY ANY MEANS, ELECTRONIC OR MECHANICAL,
 INCLUDING PHOTOCOPYING, RECORDING, OR BY
 ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM,
 WITHOUT PERMISSION IN WRITING FROM BAYER & WOODMILL, INC.

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	D1-00014-00-PP	WILL	85	73
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT CMF-0607 (070)		
CONTRACT NO.: 83786				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 200 (8-INCH) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.06 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION (SPECIAL)". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

**BENCHING DETAIL
FOR EMBANKMENT
WIDENING**

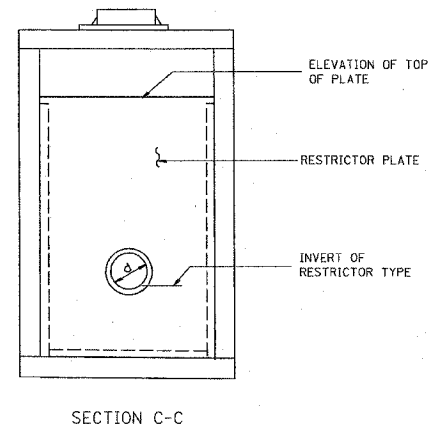
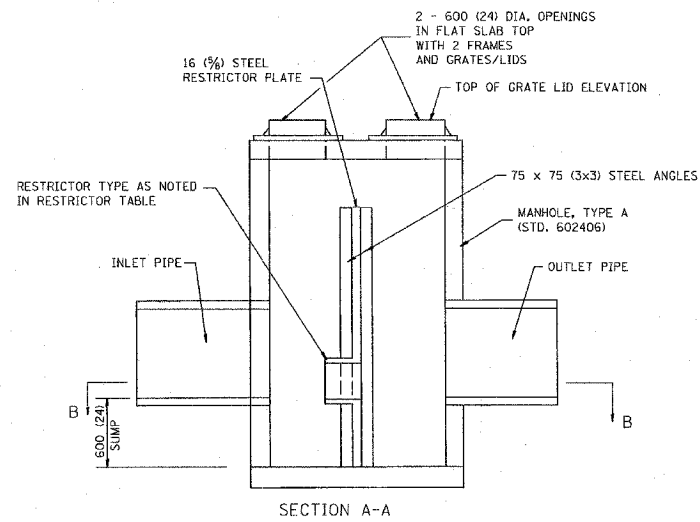
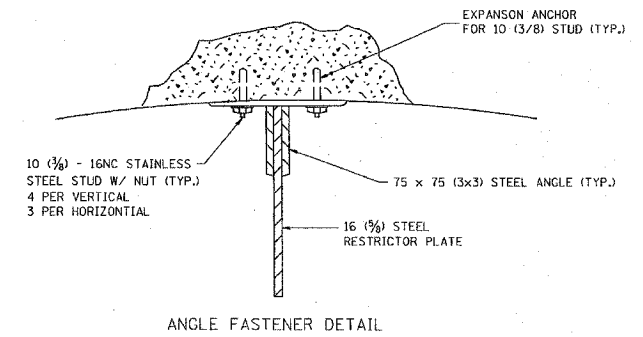
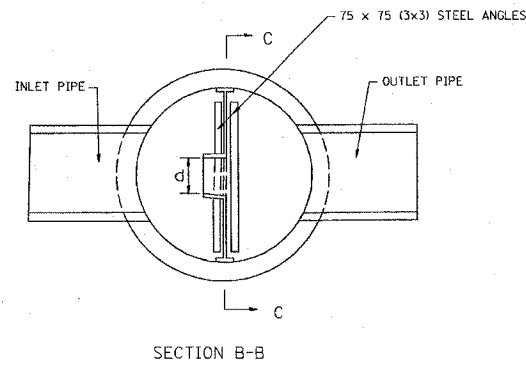
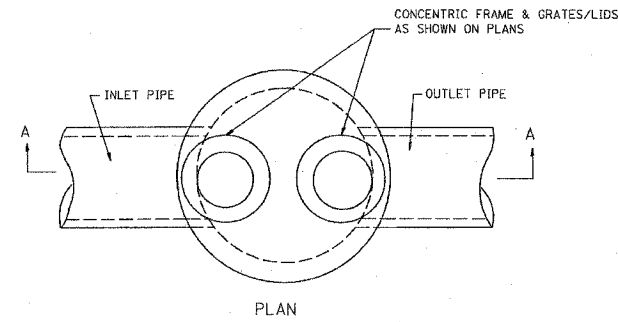
SCALE NONE
DATE 10/18/2002

DRAWN BY: CADG
CHECKED BY: S.E.B.
BD-SI
REVISION DATE:

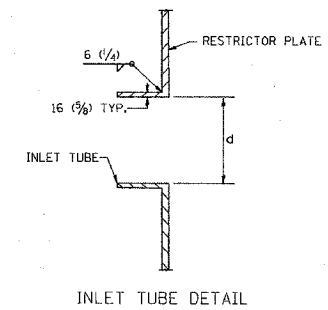
REVISIONS	
NAME	DATE

COPYRIGHT © 2004 BY BAYNE & BOGDAN, INC.
 STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-201117 - EXPIRES 1/30/2005

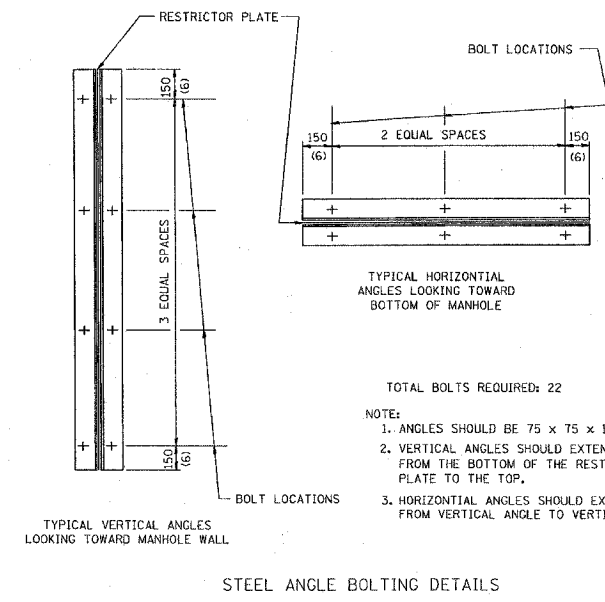
P. A. SHE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D607	01-00014-00-FP	WILL.	85	74
STA.	TO STA.			
FED. ROAD DIST. NO.	BLK/MS	FED. AID PROJECT		
CONTRACT NO.: 83786		CMF-0607 (070)		



- NOTES:
- ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 - ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 - BASIS OF PAYMENT: "MANHOLES, TYPE A, 1.8m (6FT.) DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER mm (in.) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
27+50, 21.5' LT	4' DIA.	TY 24	3	18	610.14	613.03
31+50, 21.5' LT	4' DIA.	TY 24	3	12	609.78	612.65
39+87, 29' LT	4' DIA.	TY 24	3	12	610.82	613.21



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.

ILLINOIS DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

SCALE: NONE

DATE ##DATE##

DRAWN BY

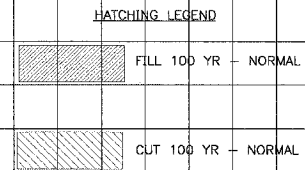
CHECKED BY

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	08/28/00
M. GOMEZ	01/08/01

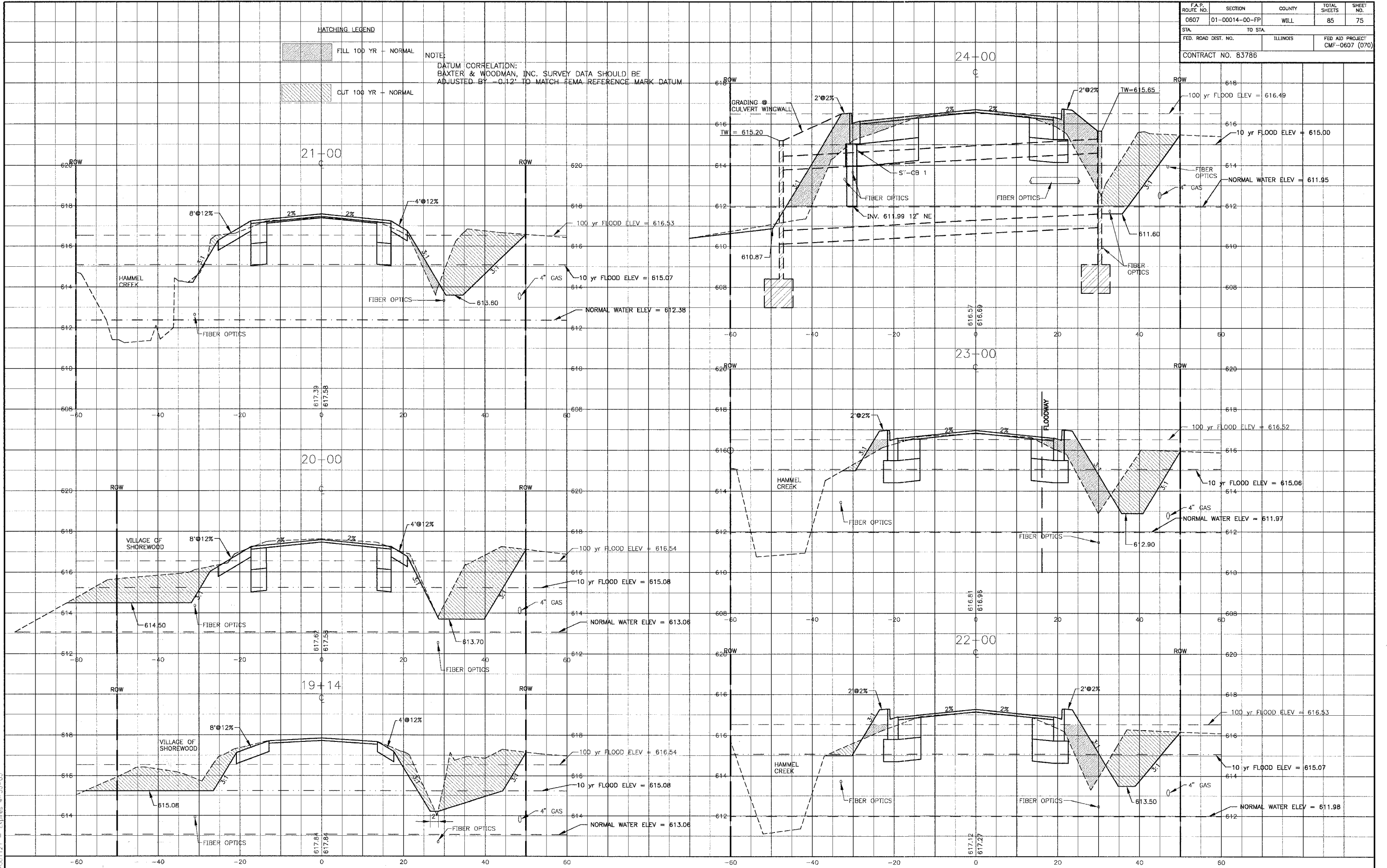
DATE-TIME
DGN-SPEC
VI-BD12

B0600-04 (B0-12)

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	75
STA.	TO STA.			
	ILLINOIS		FED AID PROJECT	CMF-0607 (070)
CONTRACT NO. 83786				



NOTE:
 DATUM CORRELATION:
 BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE
 ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM



I:\SHRWD\010665\DWGS\10665-YSEC.dwg
 Plotted: 12-20-04 @ 4:37pm By: 231ukp
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. 1-84-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW
DRAWING FILE: PLOTTED BY:			



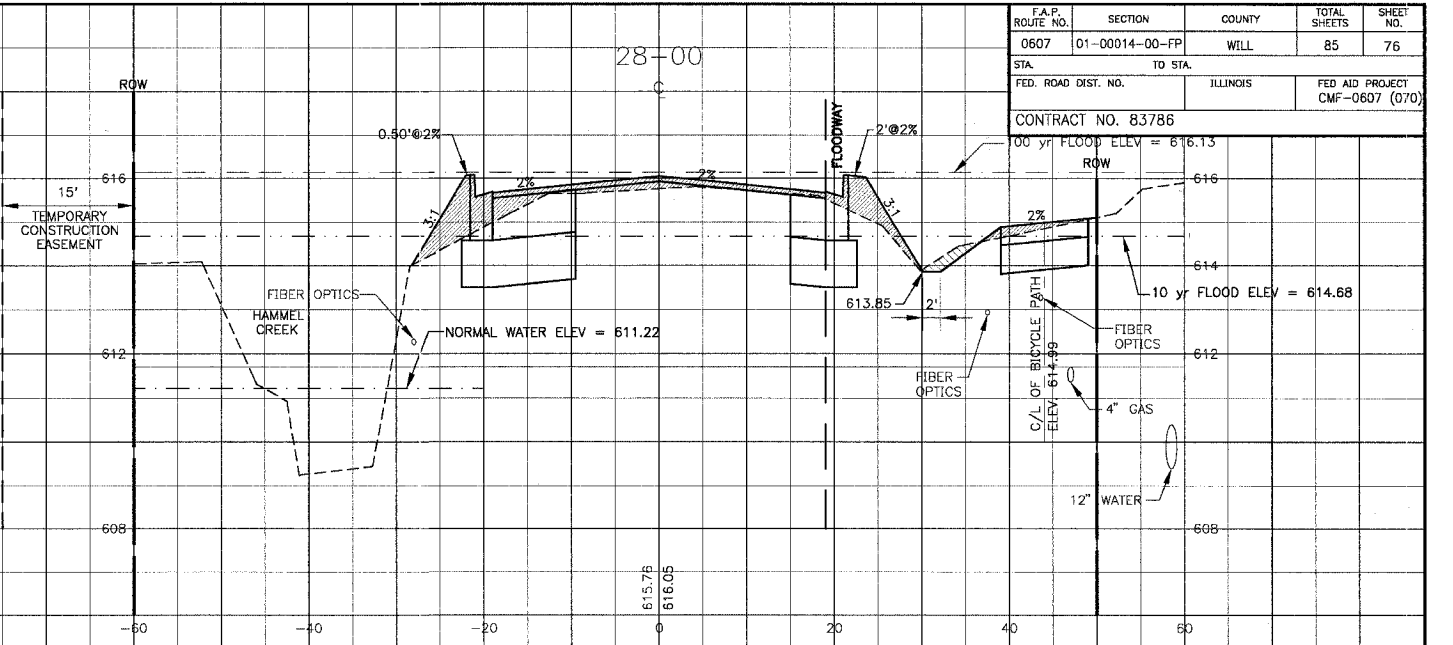
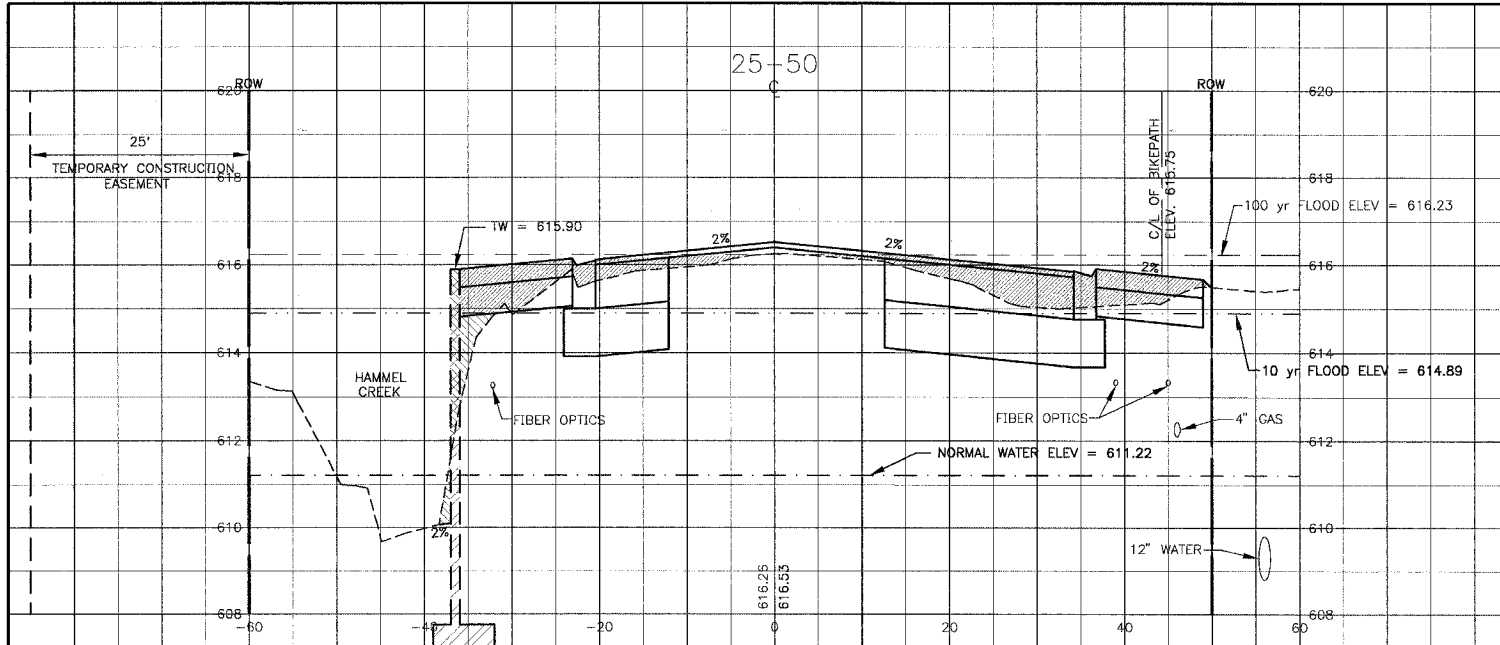
Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.479.6090
 Oakdale, Illinois 815.787.9111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

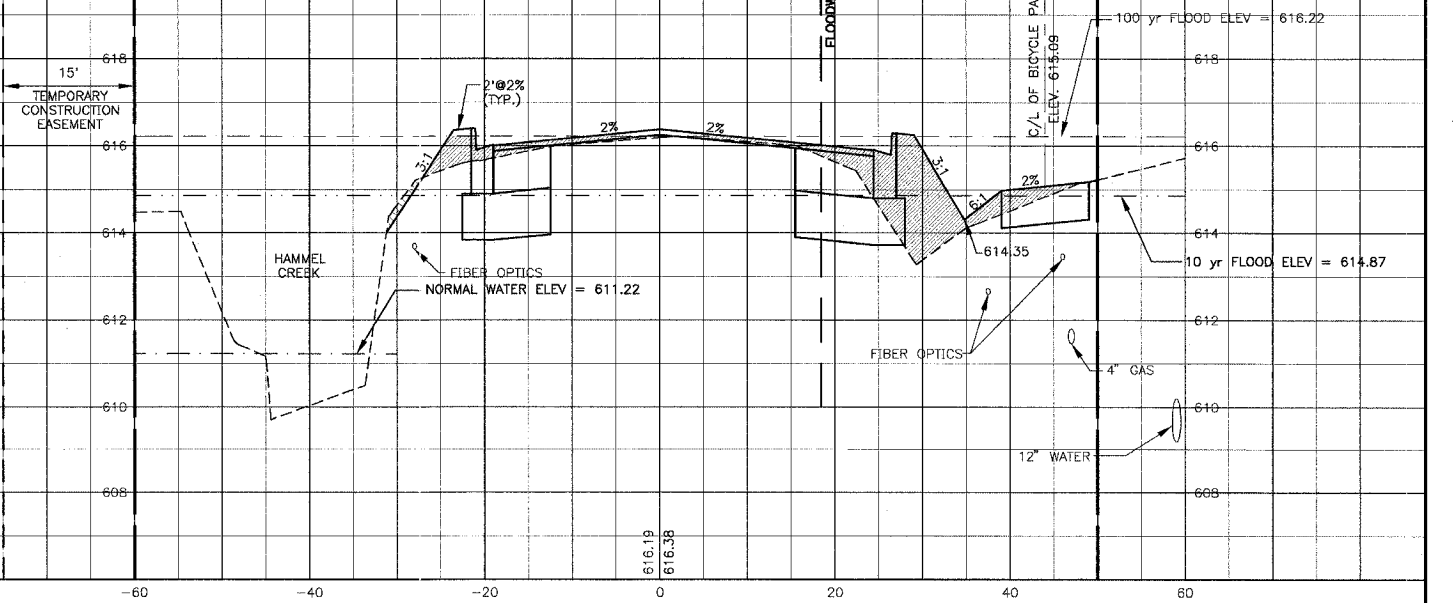
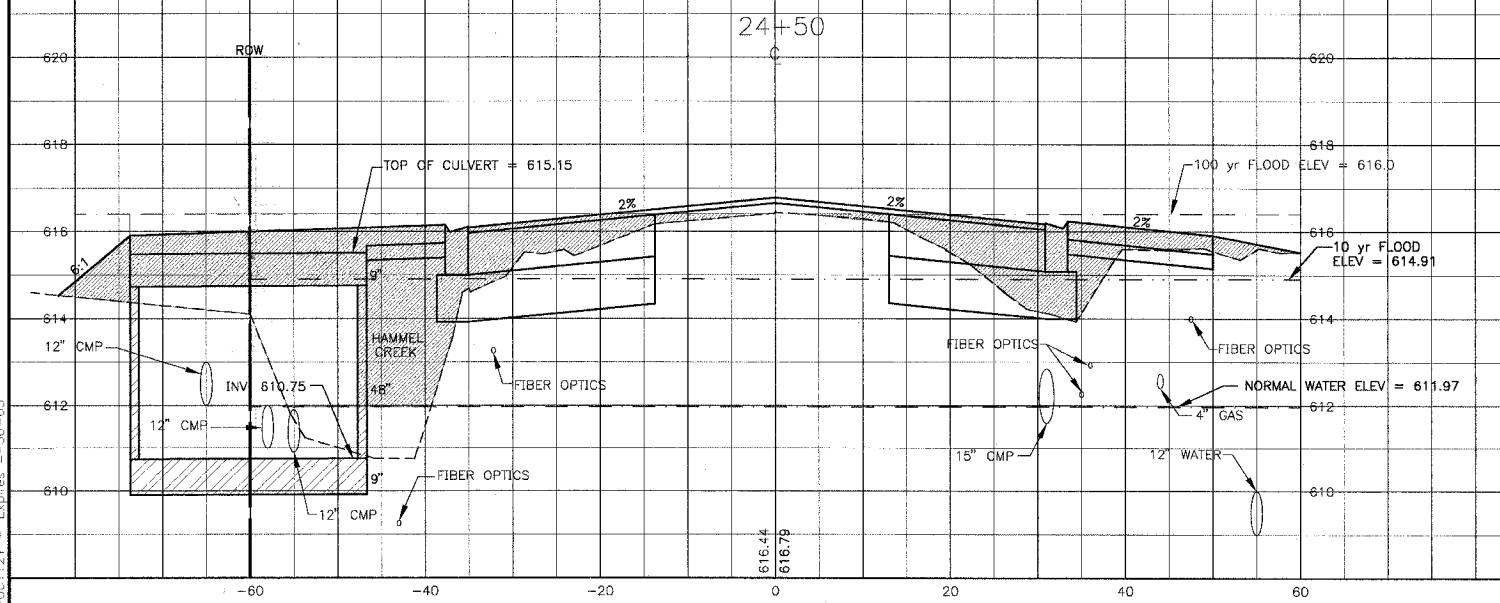
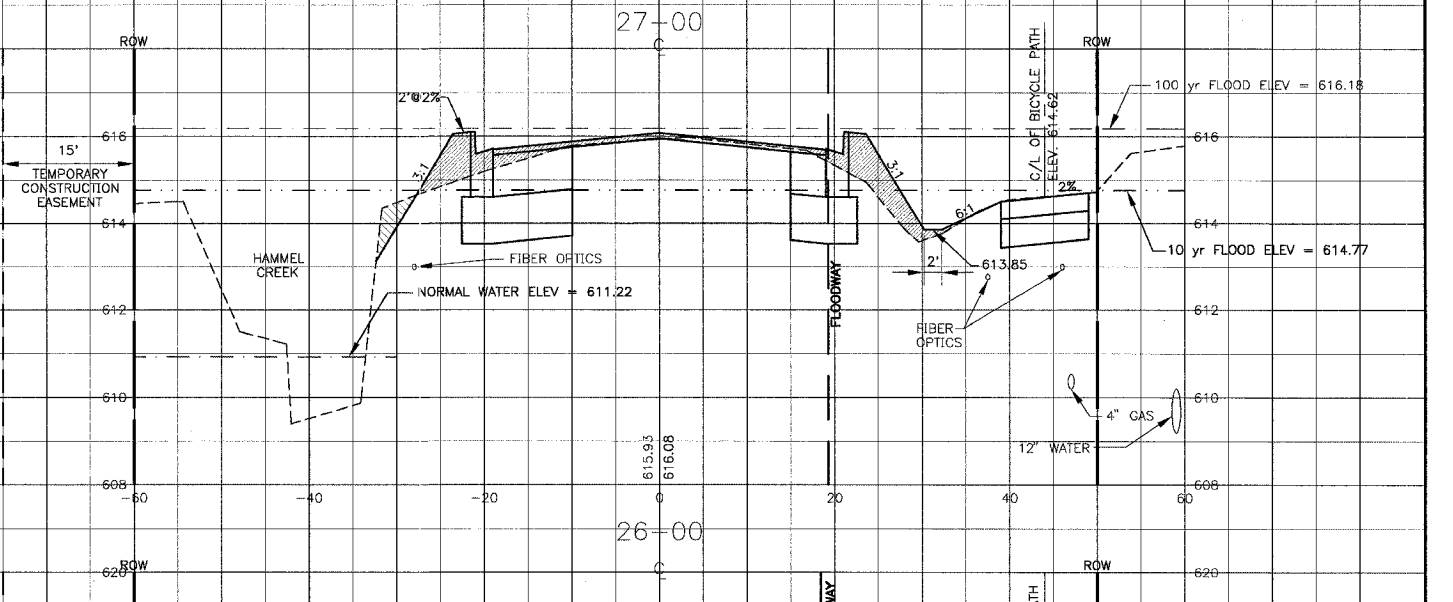
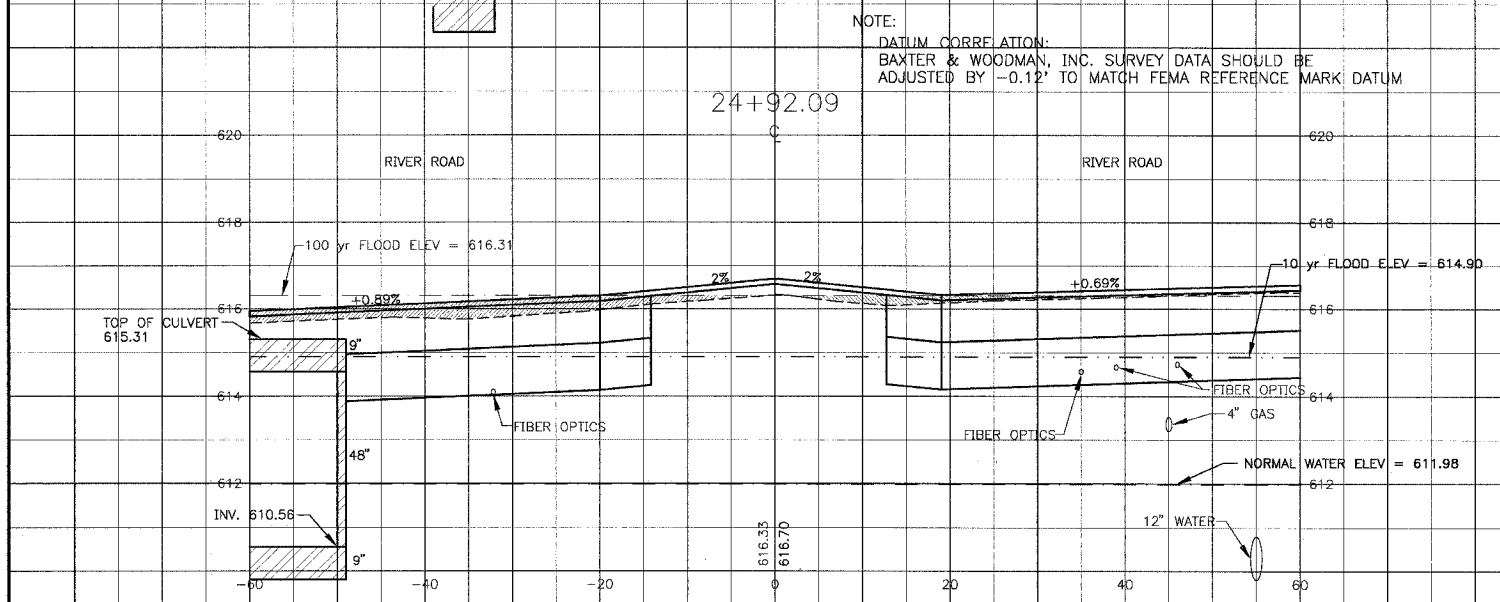
CROSS SECTIONS
U.S. ROUTE 52
STA. 19+14 TO STA. 24+00

DESIGNED BY	SCALE VERT: 1"=2'
LDH	HORIZ: 1"=10'
DRAWN BY	PROJECT NO.
UKB	010665
CHECKED BY	SHEET NO.
LDH	75 OF 85
DATE	
10-05-04	

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	76
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED AID PROJECT	
			CMF-0607 (070)	
CONTRACT NO. 83786				



NOTE:
 DATUM CORRECTION:
 BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE
 ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM



I:\SHERMAN\010665\DWGS\T0565-YSEC.dwg
 Plotted: 12-20-04 @ 12:26pm By: 231jub
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS



Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.9111
 Graylake, Illinois 815.223.6088
 Rockford, Illinois 815.489.1551

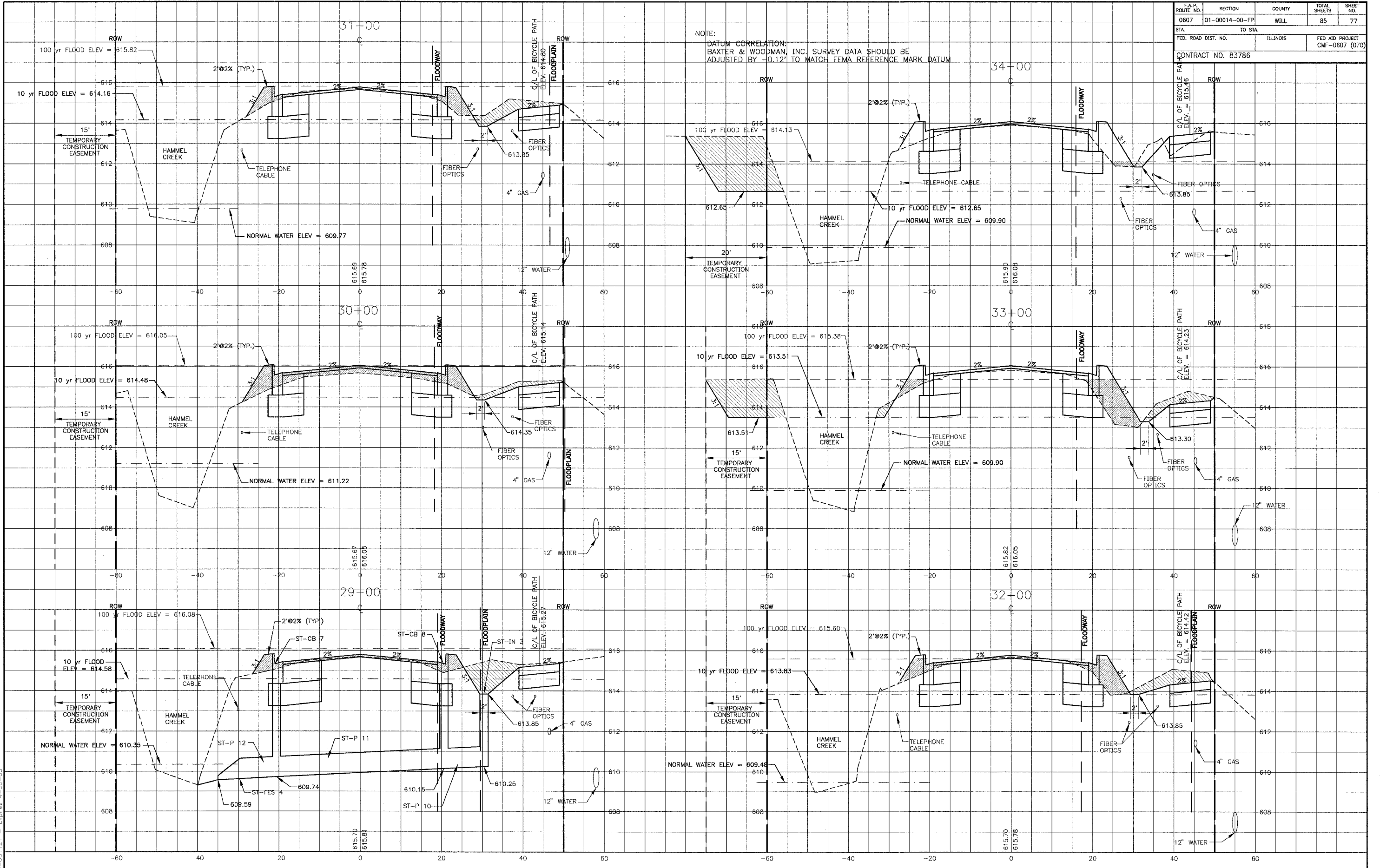
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

CROSS SECTIONS
U.S. ROUTE 52
STA. 24+50 TO STA. 28+00

DESIGNED BY	LDH	SCALE VERT: 1"=2'
DRAWN BY	UKB	HORIZ: 1"=10'
CHECKED BY	LDH	PROJECT NO.
DATE	10-05-04	010665
		SHEET NO.
		76 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	77
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED AID PROJECT CMF-0607 (070)	
CONTRACT NO. B3786				

NOTE:
 DATUM CORRELATION:
 BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE
 ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM



I:\SHERWIN\01\0665\DWG\10665-YSEC.dwg
 Plotted: 12-20-04 @ 4:17pm By: 231jhb
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 134-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS



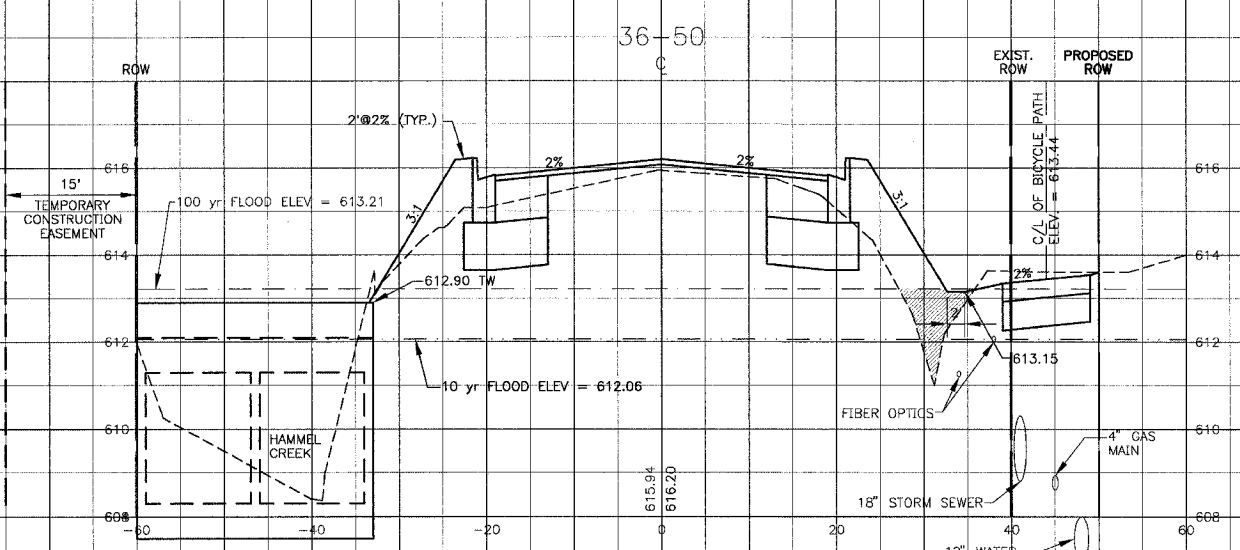
Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

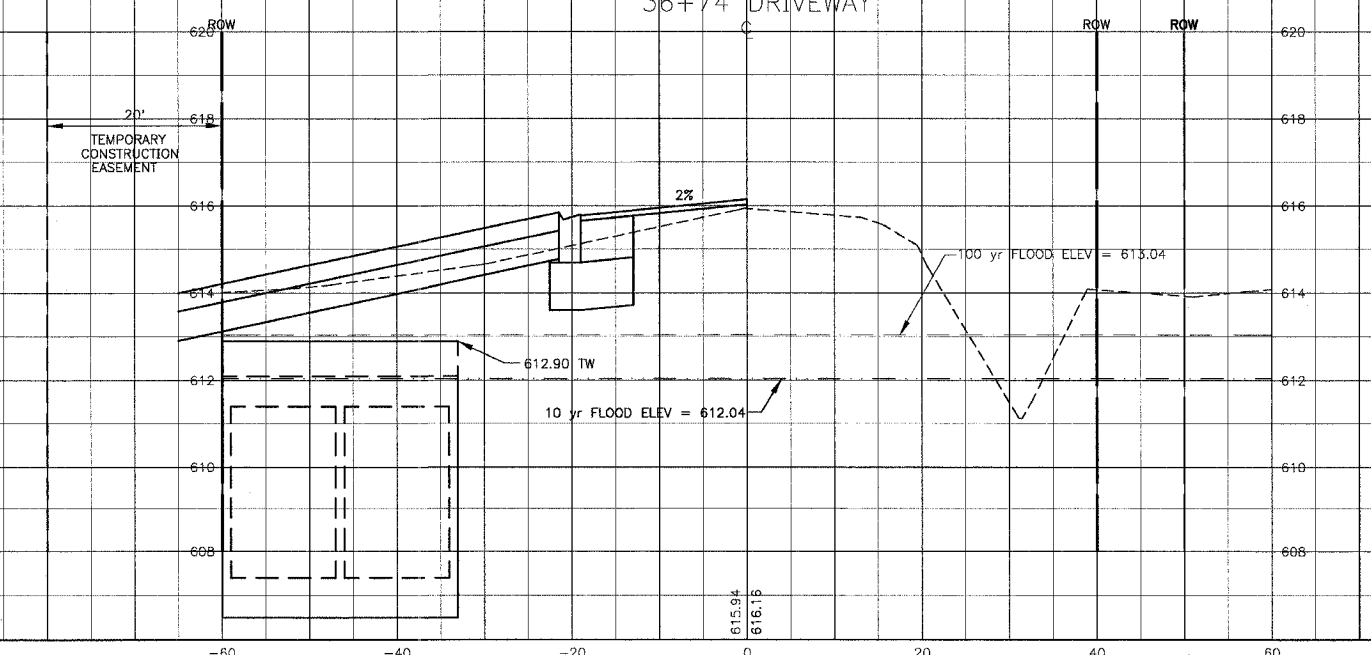
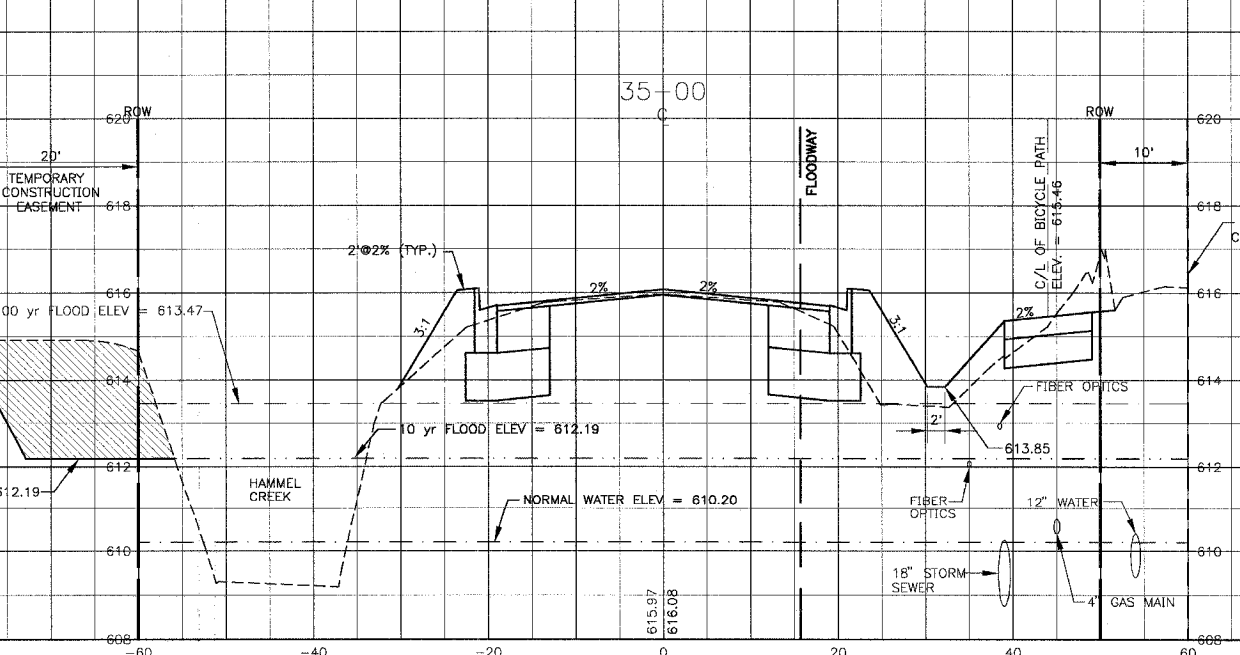
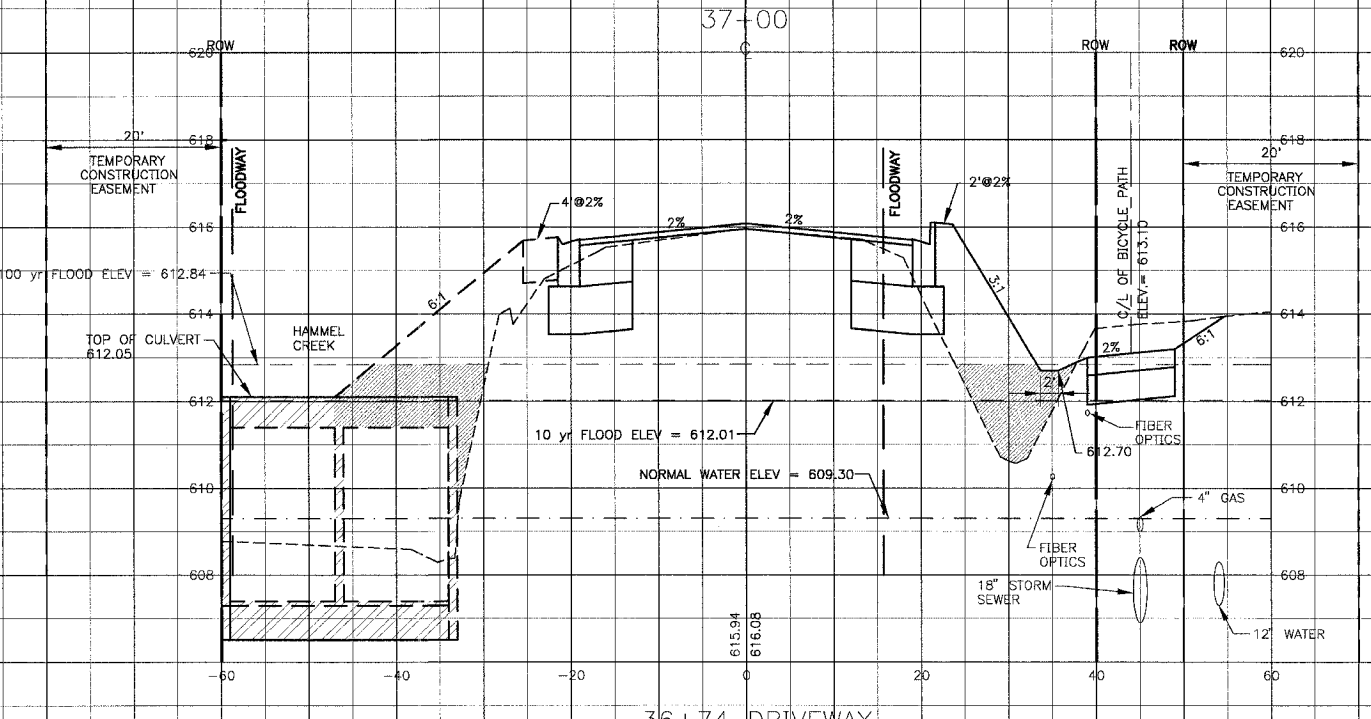
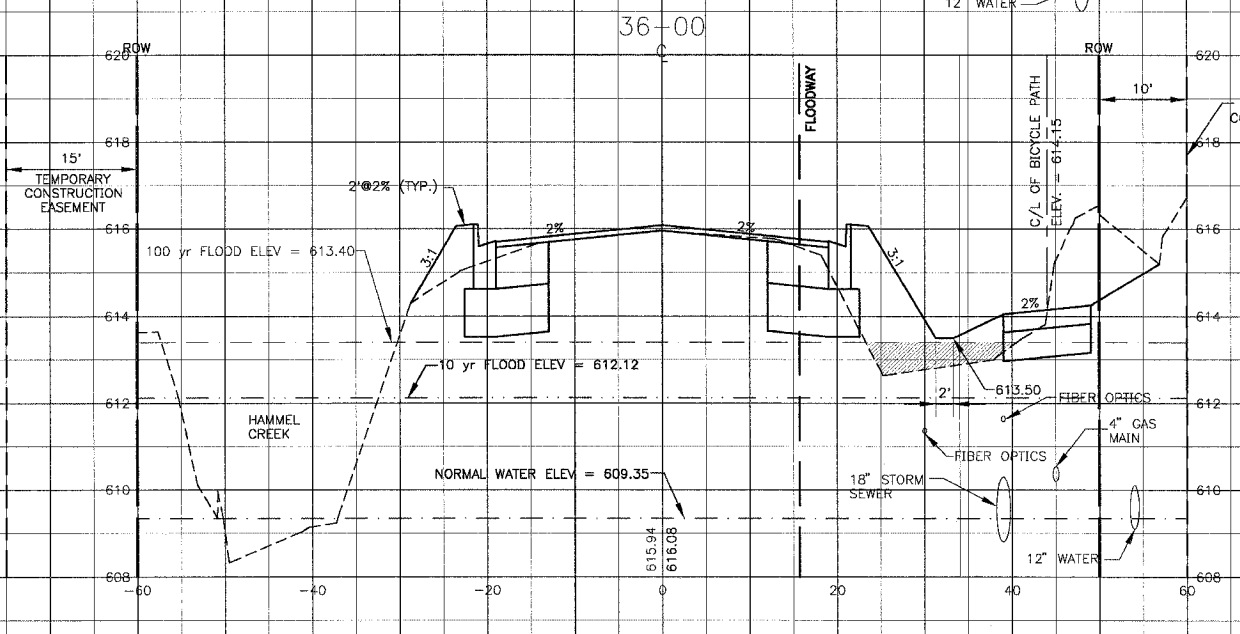
CROSS SECTIONS
U.S. ROUTE 52
STA. 29+00 TO STA. 34+00

DESIGNED BY	LDH	SCALE VERT: 1"=2'	SCALE HORIZ: 1"=10'
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	77 OF 85
DATE	10-05-04		

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	78
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT		
		CMF-0607 (070)		
CONTRACT NO. 83786				



NOTE:
DATUM CORRELATION:
BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE
ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM



I:\SHRINOV\0665\DWG\0665-10666-VSEC.dwg
 P:\2004\12-29-04\10866.dwg
 Copyright © 2004, by Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-C01121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW
DRAWING FILE: PLOTTED BY:			

BAXTER & WOODMAN
Consulting Engineers

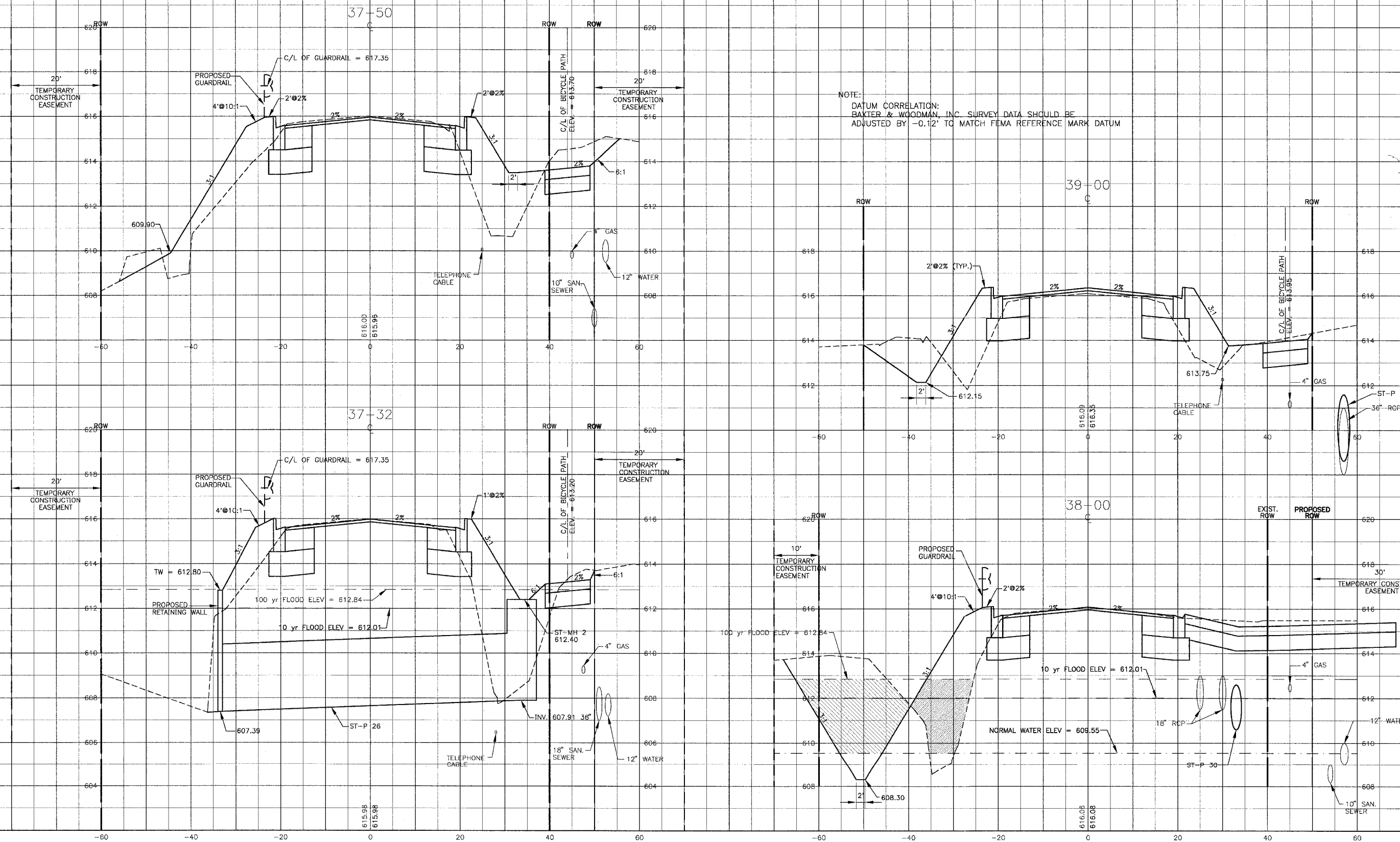
Baxter & Woodman
Crystal Lake, Illinois 815.459.1260
Burlington, Wisconsin 262.763.7884
Mokena, Illinois 708.473.2090
DeKalb, Illinois 815.787.3111
Crystal Lake, Illinois 847.223.5088
Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

DESIGNED BY LDH	SCALE VERT: 1"=2'
DRAWN BY UKB	HORIZ: 1"=10'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 78 OF 85

CROSS SECTIONS
U.S. ROUTE 52
STA. 35+00 TO STA. 37+00

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	79
STA.	TO STA.		FED. ROAD DIST. NO.	
			ILLINOIS	
CONTRACT NO. 83786			FED AID PROJECT CMF-0607 (070)	



NOTE:
 DATUM CORRELATION:
 BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE
 ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM

I:\SHRWD\010665\DWGS\10665-XSEC.dwg
 Plotted: 12-20-04 @ 12:06pm By: 231ub
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: _____ PLOTTED BY: _____

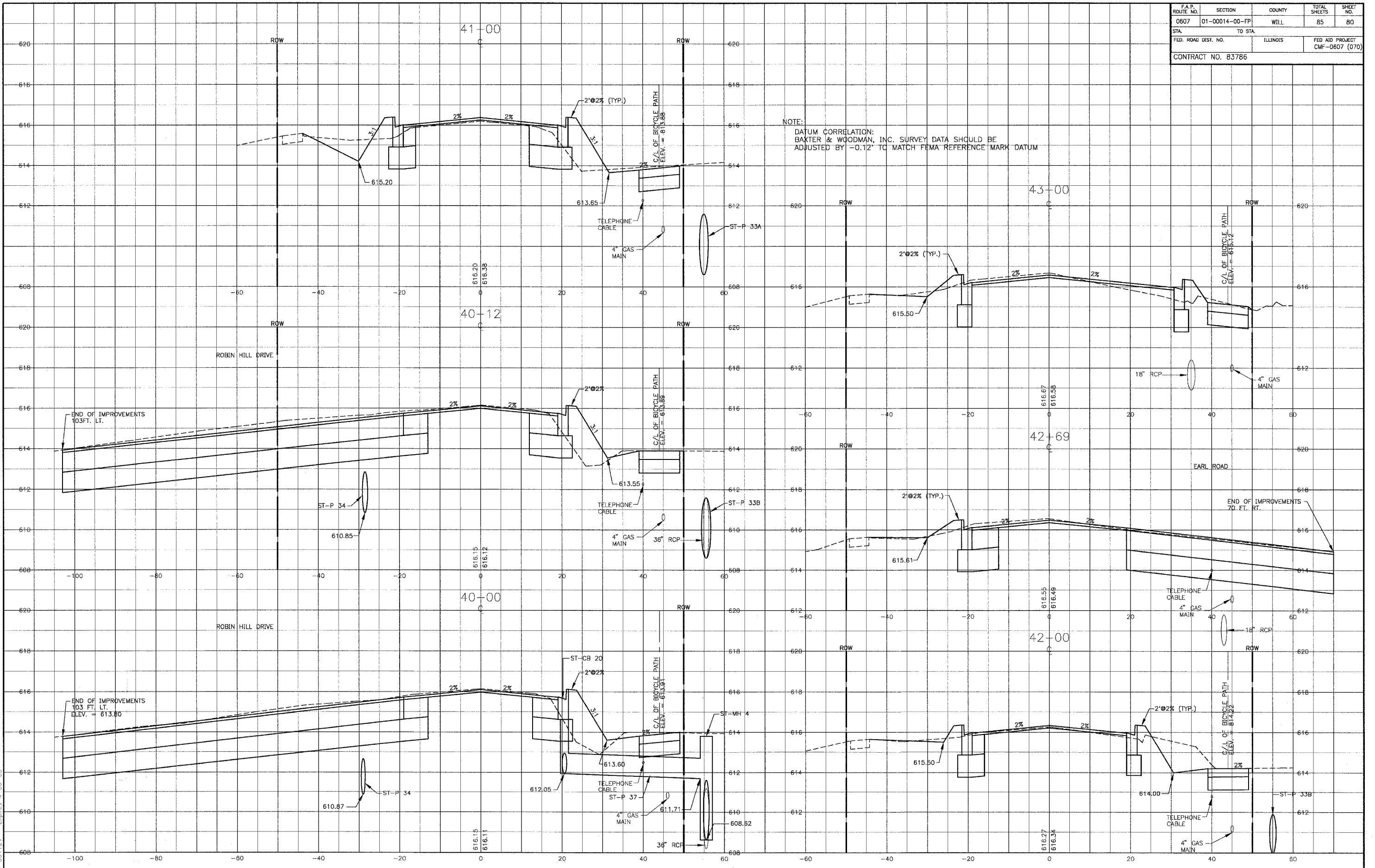
BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.823.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

CROSS SECTIONS
U.S. ROUTE 52
STA. 37+50 TO STA. 39+00

DESIGNED BY	LDH	SCALE VERT: 1"=2'
DRAWN BY	UKB	HORIZ: 1"=10'
CHECKED BY	LDH	PROJECT NO. 010665
DATE	10-05-04	SHEET NO. 79 OF 85



NOTE:
 DATUM CORRELATION:
 BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE
 ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM

I:\516PMD\010665\DWG\10665-YSEC.dwg
 Plotted: 12-17-04 @ 7:40am By: 231uk
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 124-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.223.6088
 Rockford, Illinois 815.488.1551

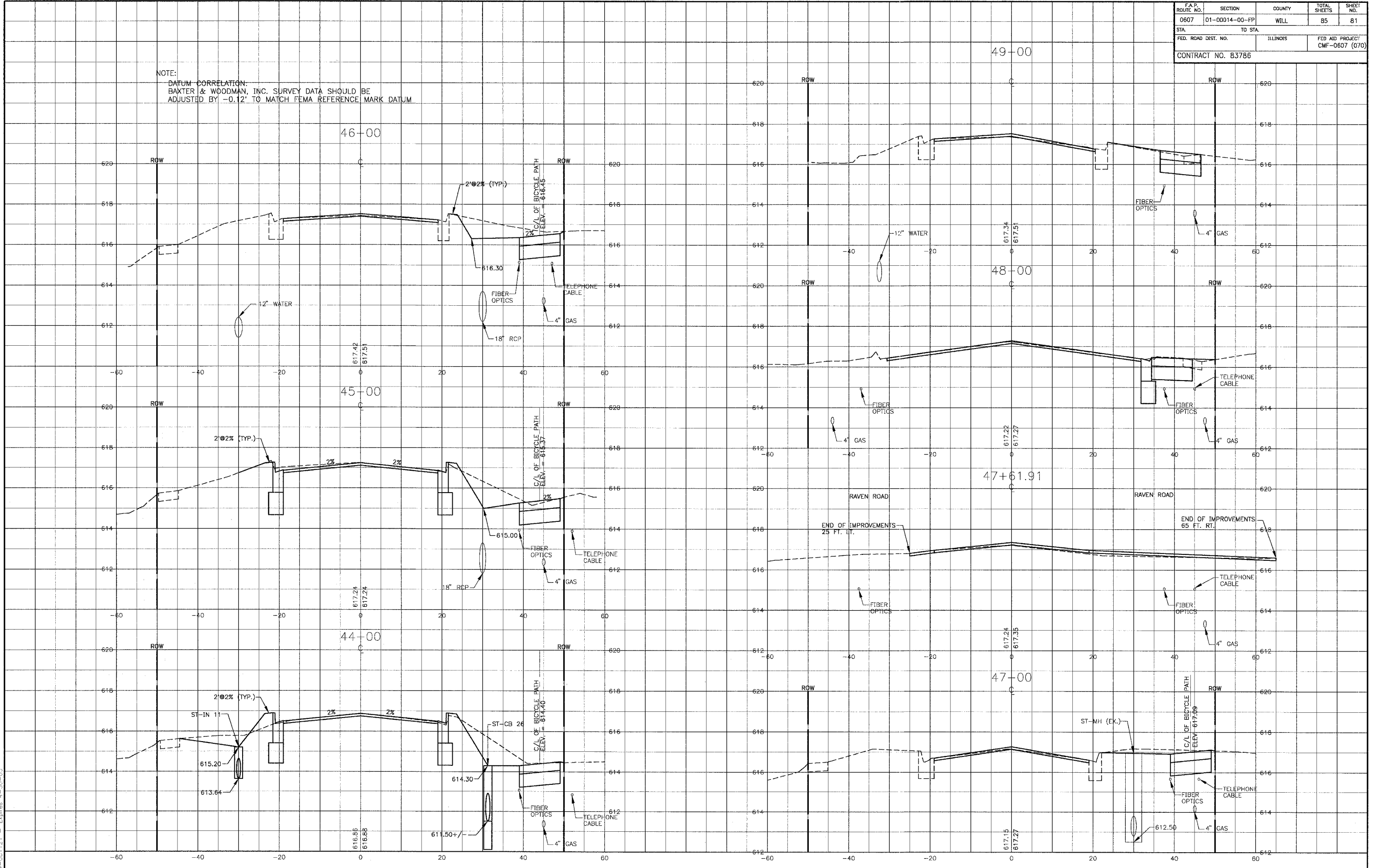
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

CROSS SECTIONS
U.S. ROUTE 52
STA. 40+00 TO STA. 43+00

DESIGNED BY	LDH	SCALE VERT: 1"=2'
DRAWN BY	UKB	HORIZ: 1"=10'
CHECKED BY	LDH	PROJECT NO.
DATE	10-05-04	010665
		SHEET NO.
		80 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	81
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED AID PROJECT CMF-0607 (070)	
CONTRACT NO. 83786				

NOTE:
 DATUM CORRELATION:
 BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE
 ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM



I:\SHRNDY\010665\DWG\010665-15SEC.dwg
 Plotted: 12-17-04 @ 7:40am By: 231ub
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS



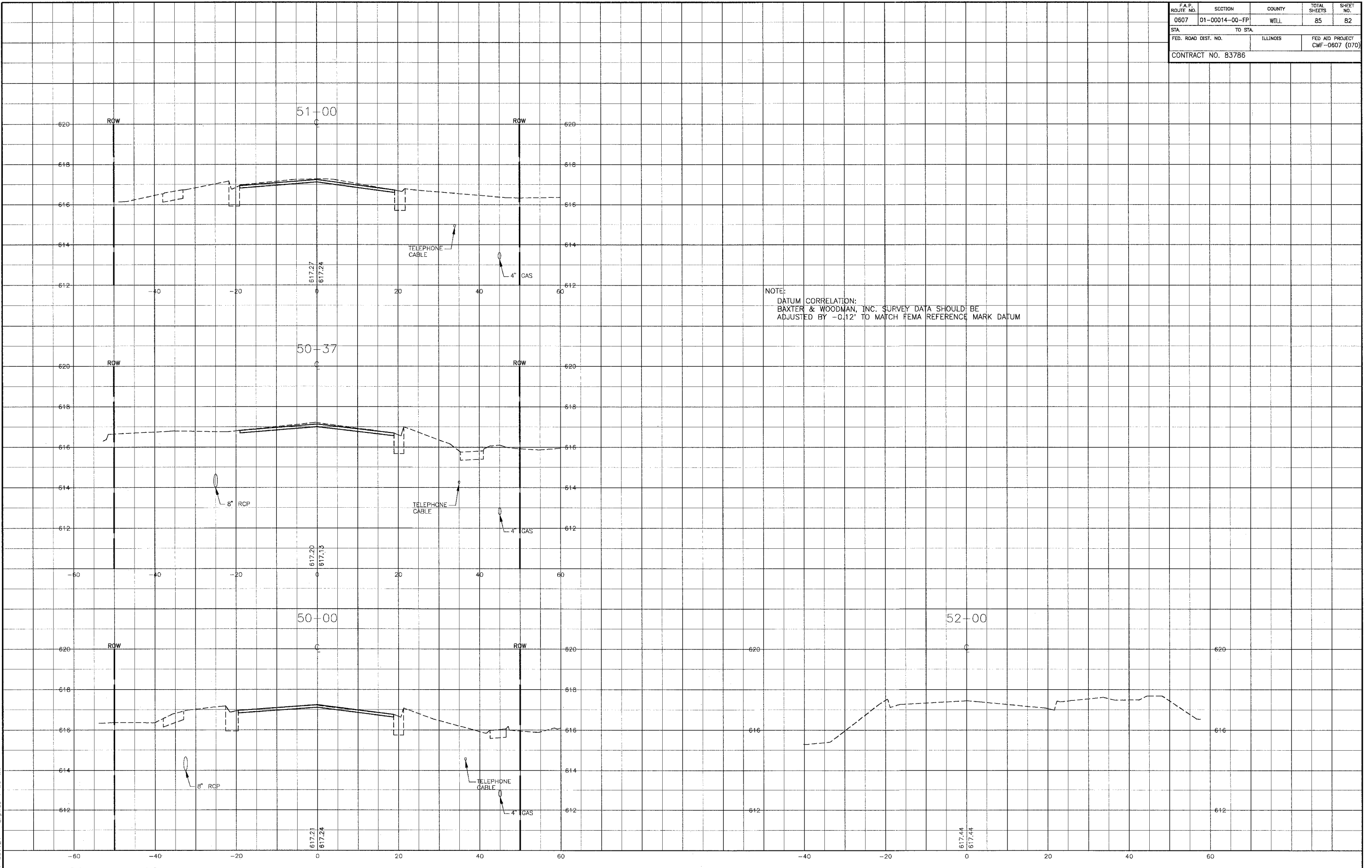
Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

CROSS SECTIONS
U.S. ROUTE 52
STA. 44+00 TO STA. 49+00

DESIGNED BY	LDH	SCALE VERT: 1"=2'	SCALE HORIZ: 1"=10'
DRAWN BY	UKB	PROJECT NO.	010665
CHECKED BY	LDH	SHEET NO.	
DATE	10-05-04		

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL.	85	82
STA.	TO STA.		FED. ROAD DIST. NO.	FED. AID PROJECT CMF-0607 (070)
			ILLINOIS	
CONTRACT NO. B3786				



NOTE:
 DATUM CORRELATION:
 BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE
 ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM

I:\SHRWD\010665\DWG\10665-XSEC.dwg
 Plotted: 12-17-04 @ 7:40am By: 231ukb
 Copyright © 2004, By: Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW
* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS			
DRAWING FILE:		PLOTTED BY:	

BAXTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.6088
 Rockford, Illinois 815.489.1551

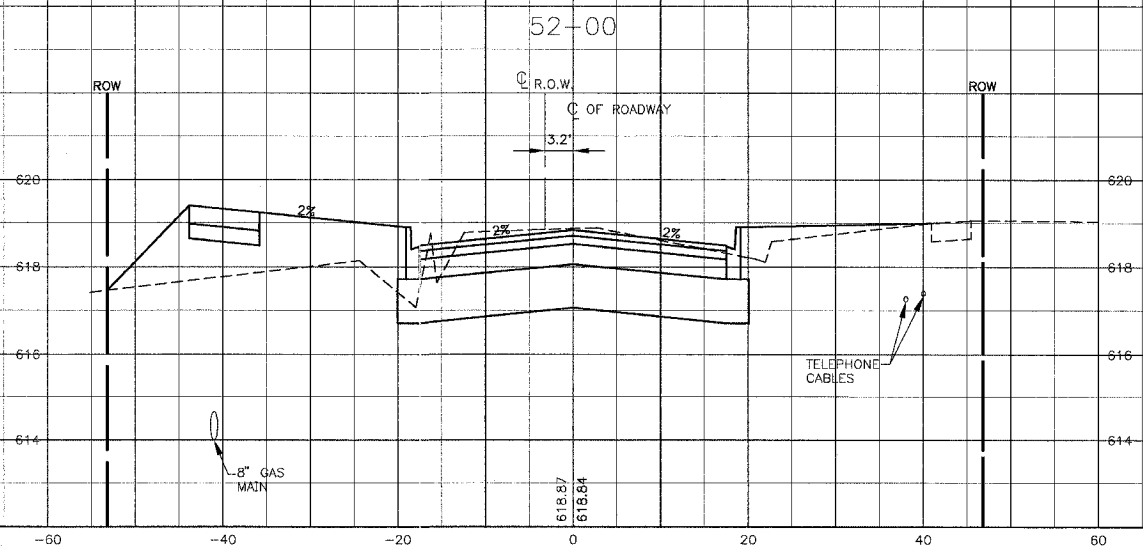
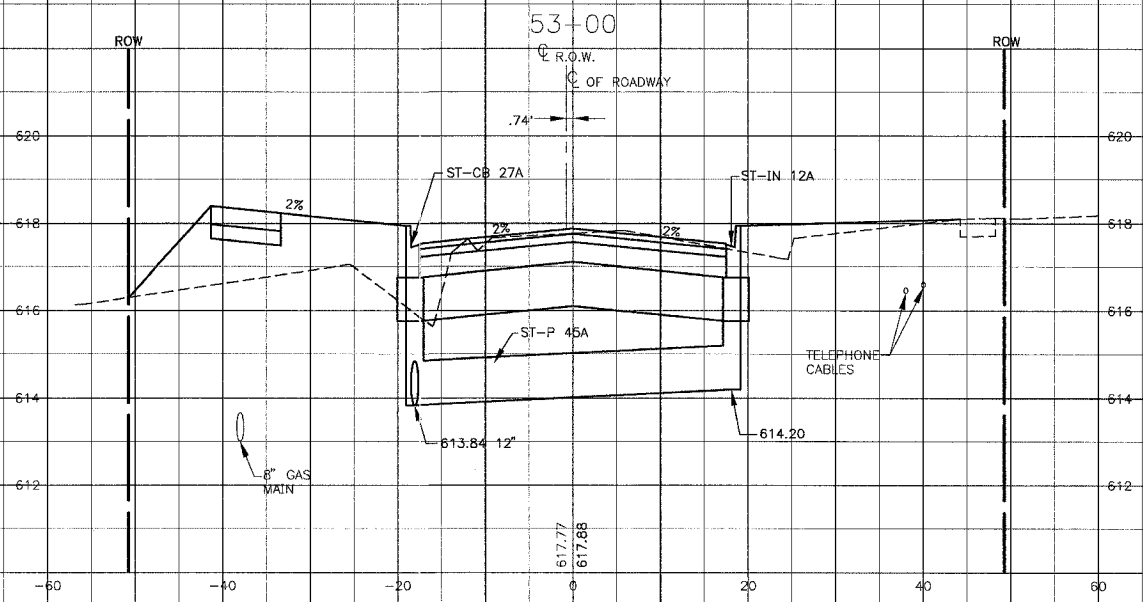
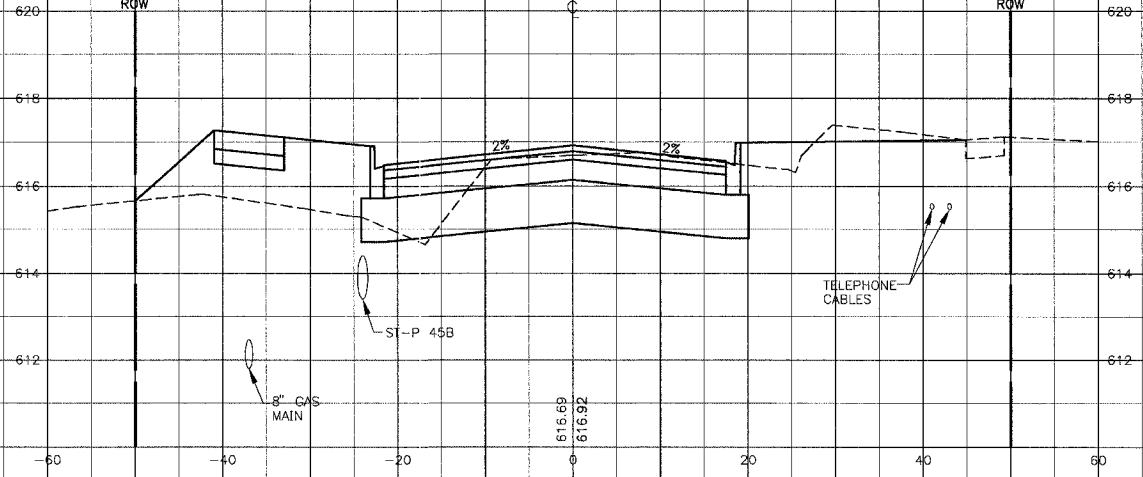
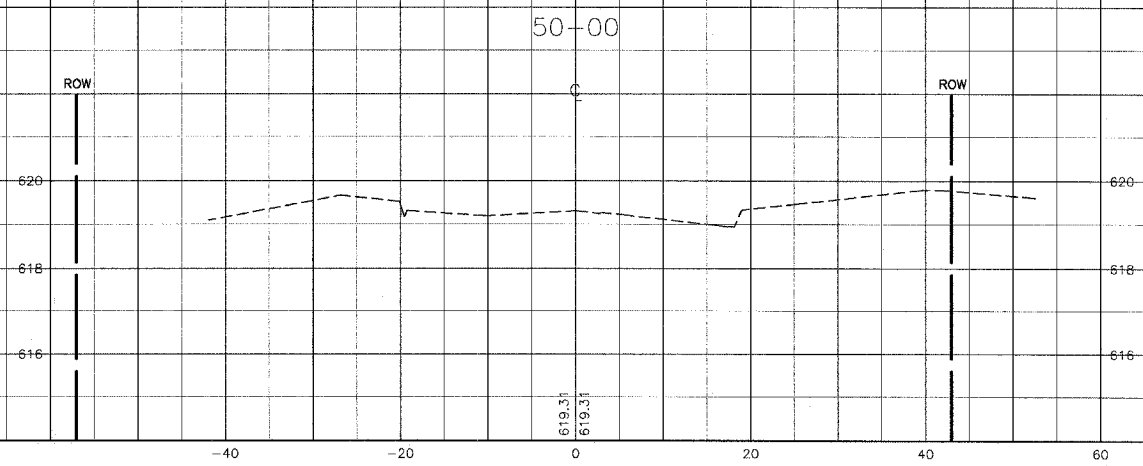
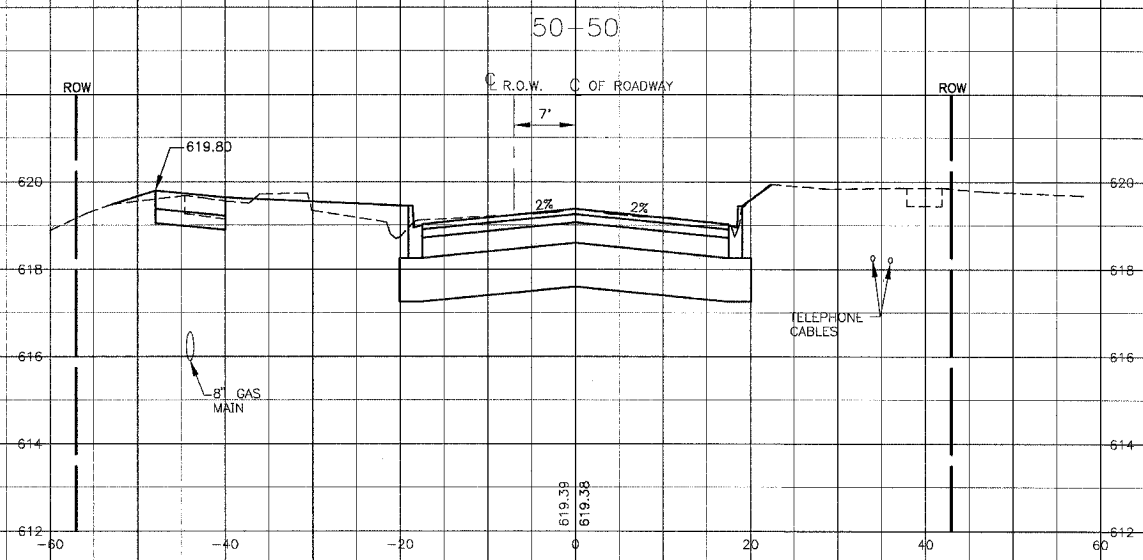
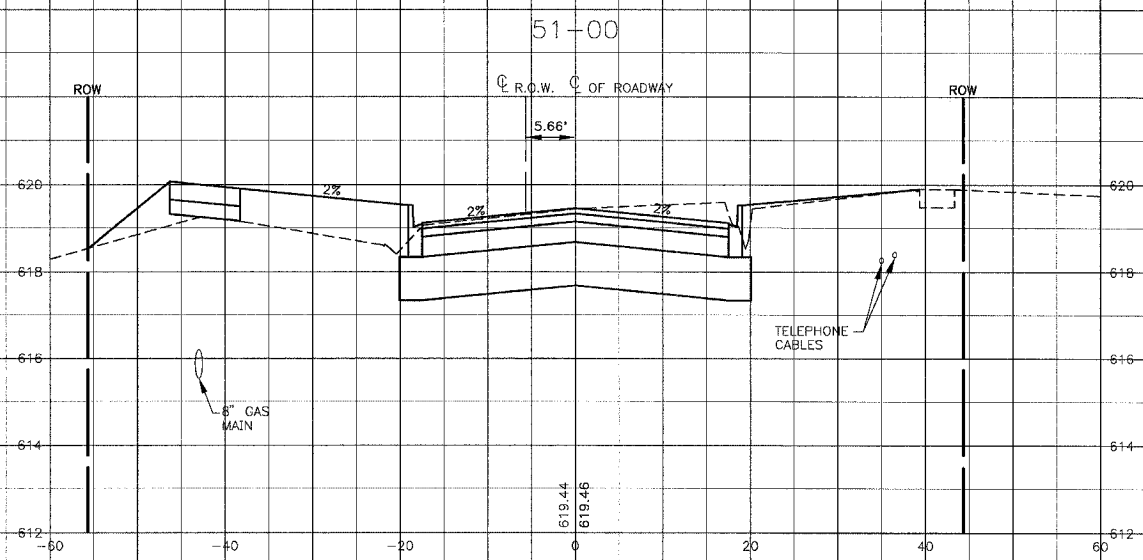
VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

CROSS SECTIONS
U.S. ROUTE 52
STA. 50+00 TO STA. 52+00

DESIGNED BY LDH	SCALE VERT: 1"=2'
DRAWN BY UKB	HORIZ: 1"=10'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 82 OF 85

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	83
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS		FED. AID PROJECT CMF-0607 (070)	
CONTRACT NO. 83786				

NOTE:
 DATUM CORRELATION:
 BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE
 ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM



I:\SHRIMP\010665\DWG\510665-YSK.dwg
 Plotted: 12-17-04 @ 10:05am By: 231jhb
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWINGS



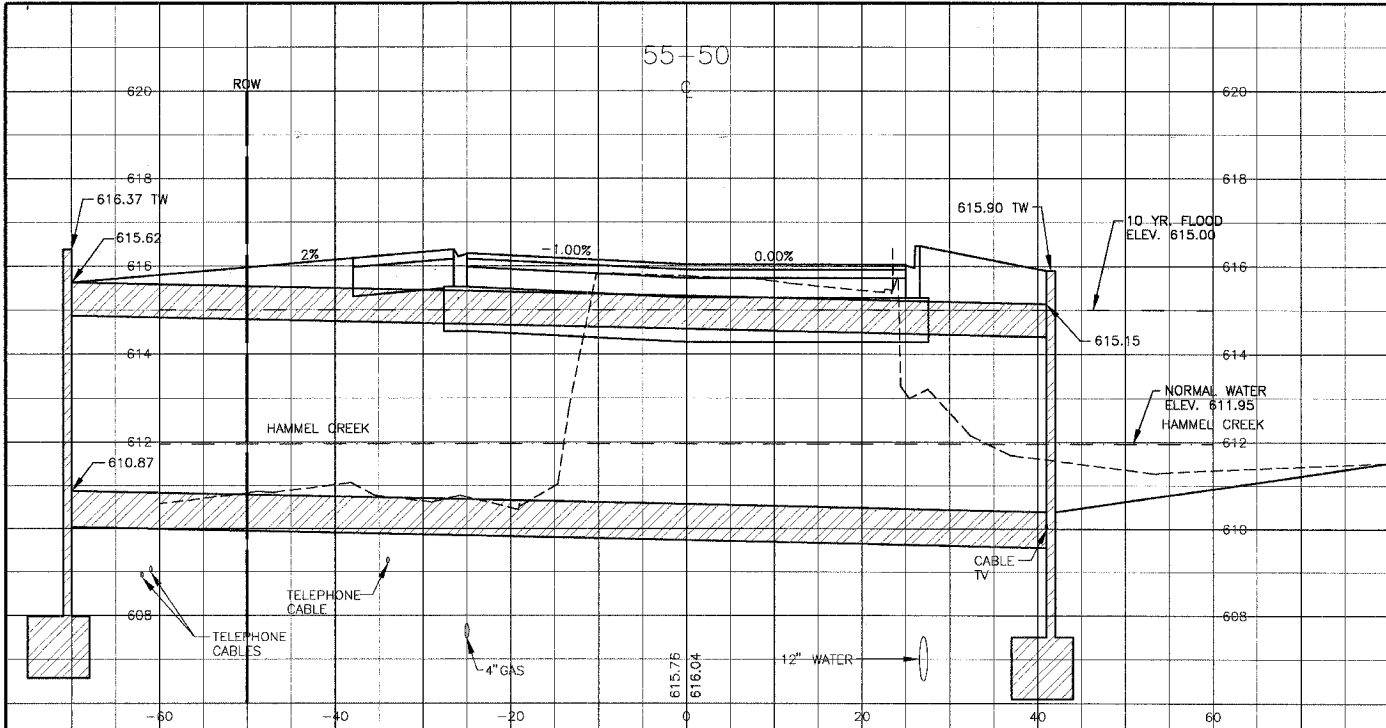
Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

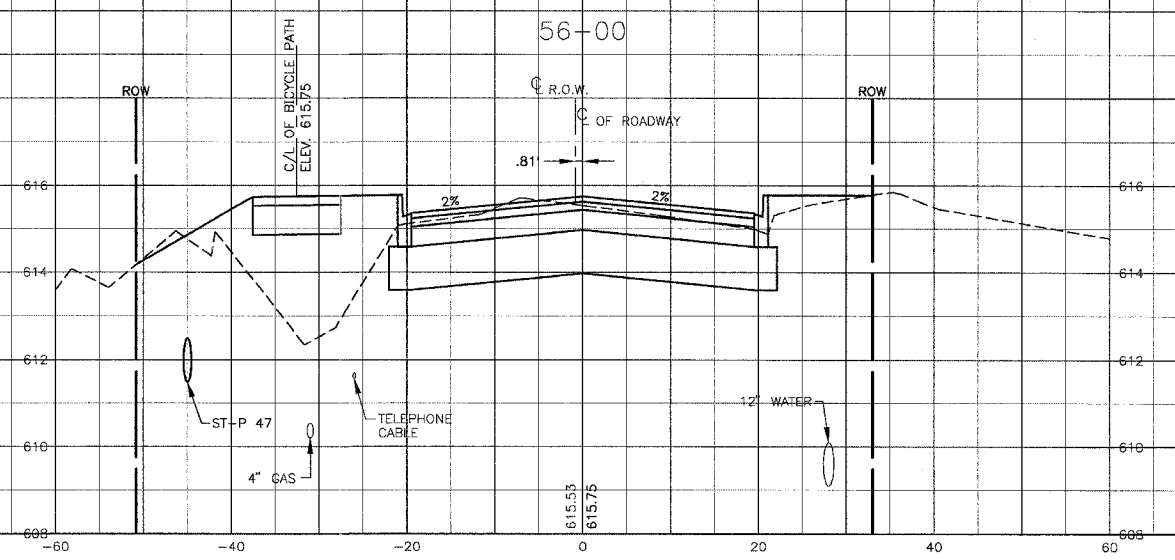
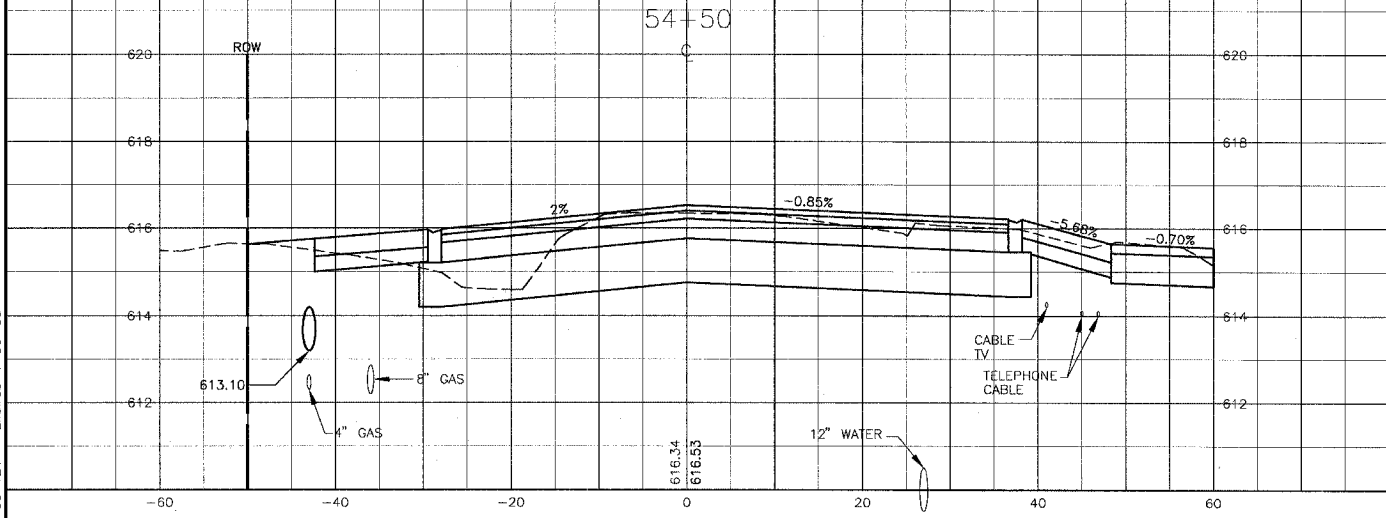
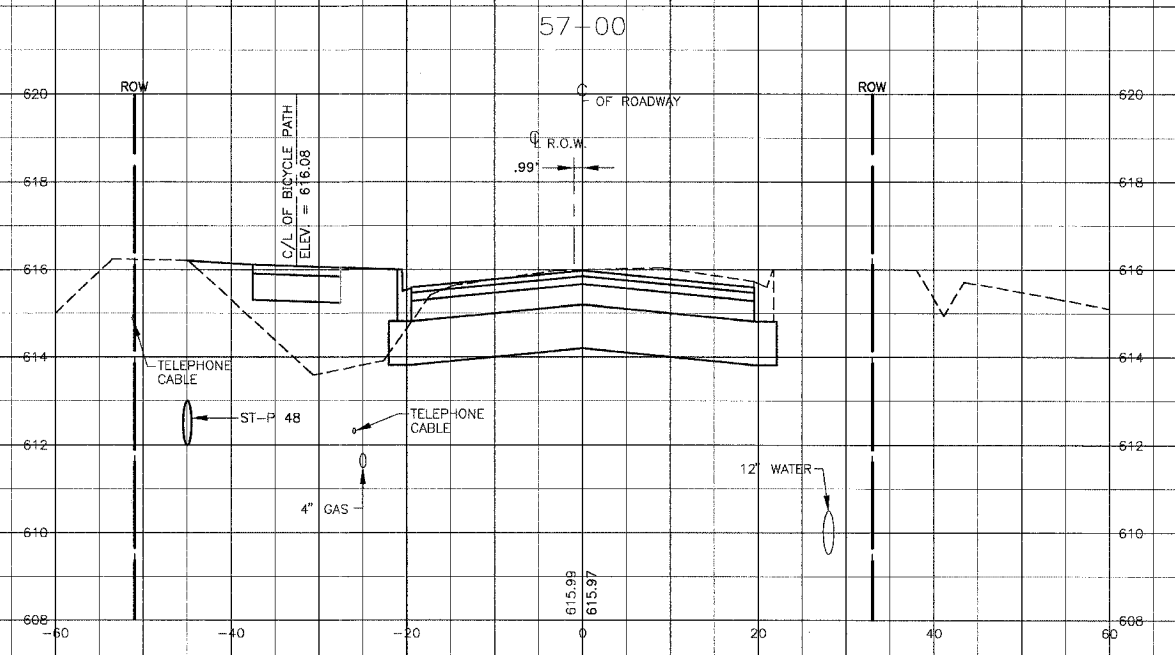
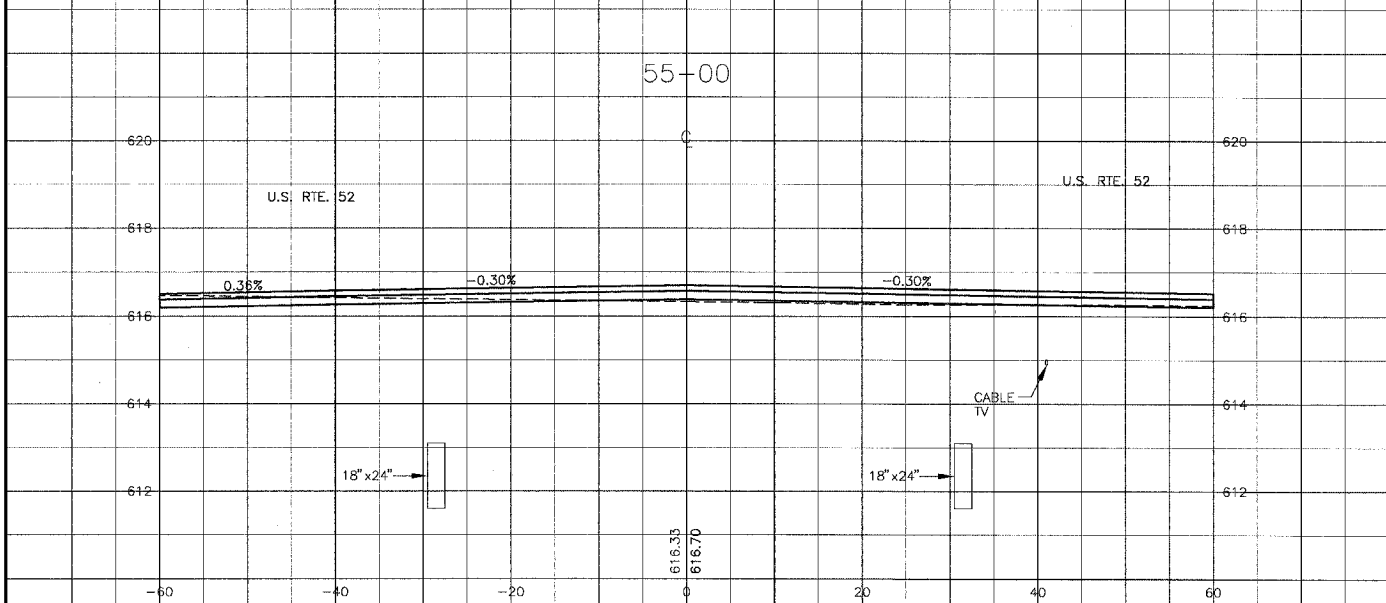
CROSS SECTIONS
RIVER ROAD
STA. 50+00 TO STA. 54+00

DESIGNED BY	SCALE VERT: 1"=2'
LDH	HORIZ: 1"=10'
DRAWN BY	PROJECT NO.
UKB	010665
CHECKED BY	SHEET NO.
LDH	83 OF 85
DATE	
10-05-04	

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-FP	WILL	85	84
STA.	TO STA.	ILLINOIS		
FED. ROAD DIST. NO.		ILLINOIS		FED AID PROJECT CMF-0607 (070)
CONTRACT NO. 83786				



NOTE:
 DATUM CORRELATION:
 BAXTER & WOODMAN, INC. SURVEY DATA SHOULD BE
 ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM



D:\SHRWD\010665\DWG\10665-XSEC.dwg
 Plotted: 12-17-04 @ 10:06am By: 231-jkb
 Copyright © 2004, By Baxter & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW

DRAWING FILE: _____ PLOTTED BY: _____

BAXTER & WOODMAN
 Consulting Engineers

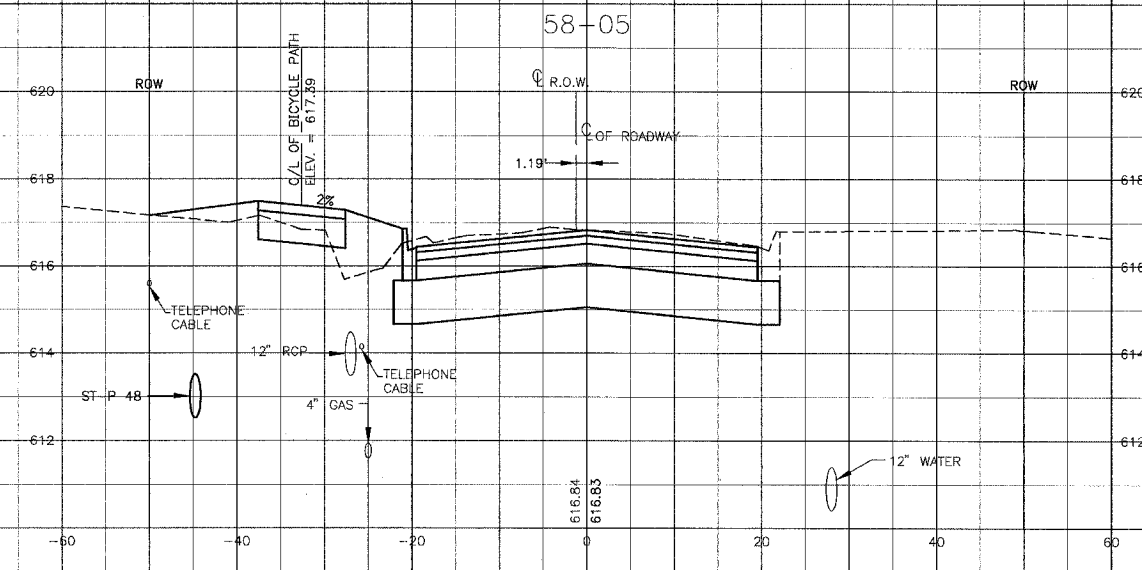
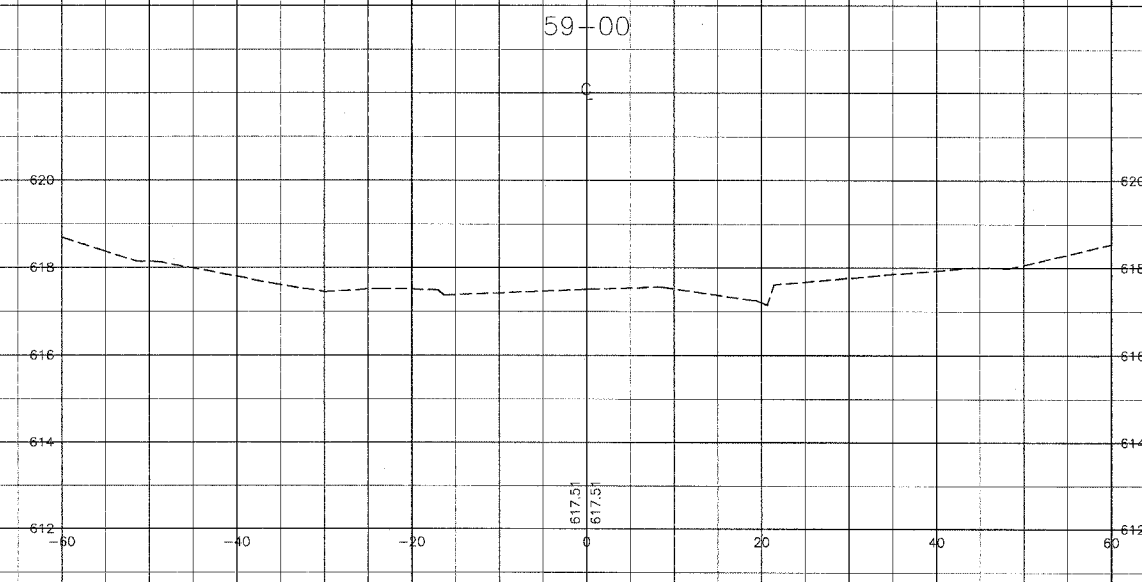
Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.478.2090
 DeKalb, Illinois 815.787.3111
 Graylake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

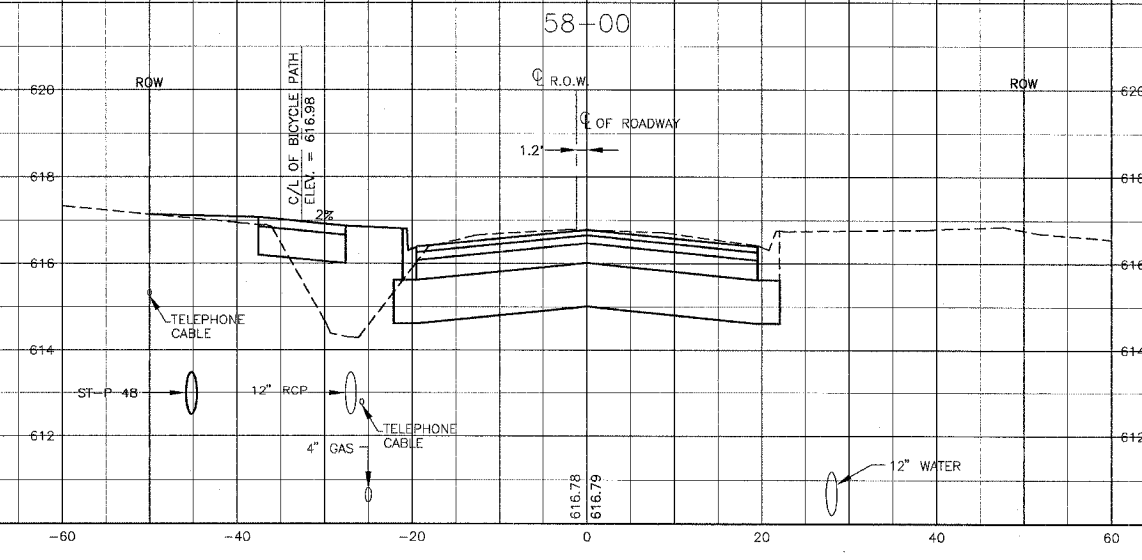
CROSS SECTIONS
RIVER ROAD
STA. 54+50 TO STA. 57+00

DESIGNED BY	SCALE VERT: 1"=2'
LDH	HORIZ: 1"=10'
DRAWN BY	PROJECT NO: 010665
UKG	SHEET NO.
CHECKED BY	
LDH	
DATE	
10-05-04	

F.A.P. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0607	01-00014-00-PP	WILL	85	85
STA.	TO STA.		FED. ROAD DIST. NO.	
			ILLINOIS	
CONTRACT NO. 83786			FED. AID PROJECT CMF-0607 (070)	



NOTE:
 DATUM CORRELATION:
 BAKTER & WOODMAN, INC. SURVEY DATA SHOULD BE
 ADJUSTED BY -0.12' TO MATCH FEMA REFERENCE MARK DATUM



I:\SHRIMP\010665\DWG\10665-1SEC.dwg
 Plotted 12-21-04 @ 10:17am by 331
 Copyright © 2004 by Baker & Woodman, Inc.
 State of Illinois - Professional Design Firm
 License No. - 184-001121 - Expires 4-30-05

CONSULTANTS	REV. NO.	DATE	DESCRIPTION
	1	12-21-04	PER I.D.O.T. REVIEW
DRAWING FILE: _____ PLOTTED BY: _____			

BAKTER & WOODMAN
 Consulting Engineers

Baxter & Woodman
 Crystal Lake, Illinois 815.459.1260
 Burlington, Wisconsin 262.763.7834
 Mokena, Illinois 708.479.2090
 DeKalb, Illinois 815.787.3111
 Grayslake, Illinois 847.223.5088
 Rockford, Illinois 815.489.1551

VILLAGE OF SHOREWOOD, ILLINOIS
U.S. ROUTE 52 IMPROVEMENTS

CROSS SECTIONS
RIVER ROAD
STA. 58+00 TO STA. 59+00

DESIGNED BY LDH	SCALE VERT: 1"=2'
DRAWN BY UKB	HORIZ: 1"=10'
CHECKED BY LDH	PROJECT NO. 010665
DATE 10-05-04	SHEET NO. 85 OF 85