11-6-09 Letting, Item 142

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88+II=99	1
		CONTRACT NO. 63224		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.P. RTE 338 (IL ROUTE 59)
SIDEWALK CONSTRUCTION
SOUTH OF 111th STREET TO 87th STREET
SECTION 07-00136-00-SW
PROJECT ARA-9003(380)
CITY OF NAPERVILLE, DUPAGE AND WILL COUNTIES
JOB C-91-748-09

INDEX OF SHEETS

NUMBER	DESCRIPTION
1	COVER SHEET
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	ALIGNMENT AND TIES
6–21	EXISTING AND PROPOSED DRAINAGE PLAN
22–29	LANDSCAPING AND EROSION CONTROL PLAN
30–35	TRAFFIC SIGNAL PLAN
36–38	CONSTRUCTION DETAILS
39–88	CROSS SECTIONS

IDOT STANDARDS REFERENCED

NUMBER	DESCRIPTION
000001–05	STANDARDS SYMBOLS, ABBREVIATIONS, & PATTERNS
542116–02	REINF CONC END SECTIONS FOR MULT (2 & 3) PIPE CULVERTS 15" THRU 36" DIA
701101–02	OFF–RD OPERATIONS MULTILANE 15' TO 24" FROM PAVEMENT EDGE
701421–02	LANE CLOSURE MULTILANE DAY OPERATIONS ONLY FOR SPEEDS >45 MPH TO 55 MPH
701901–01	TRAFFIC CONTROL DEVICES
780001–02	TYPICAL PAVEMENT MARKINGS
BD–51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC–10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC–14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC–22	ARTERIAL ROAD INFORMATION SIGN

CITY OF NAPERVILLE STANDARDS

NUMBER	DESCRIPTION
LC 2050	TRIANGULAR SILT DIKE INSTALLATION FOR ROADWAY DITCH OF DRAINAGE DITCH
MISC 5	TEMPORARY EROSION CONTROL SYSTEMS
MISC 6	TYPICAL SILT FENCE CONSTRUCTION
MISC 12	CROSSWALK
PVMT 3	SIDEWALK
PVMT 4	CURB RAMPS ACCESSIBLE TO THE DISABLED
PVMT 5	SIDEWALK CONSTRUCTION
PVMT 11	CURB & GUTTER
PVMT 12	CURB & GUTTER
STORM 1	INLET TYPE A
STORM 2	MANHOLE TYPE A
STORM 3	FLAT SLAB TOP PRECAST REINFORCED CONCRETE
STORM 4	CATCH BASIN TYPE A
STORM 5	CATCH BASIN TYPE C
STORM 10	STORM SEWER TRENCH SECTION IN PAVED AREAS
STORM 11	STORM SEWER TRENCH SECTION IN NON–PAVED AREAS
STORM 15	FRAME & LID TYPE 1
STORM 16	BEEHIVE GRATE TYPE 1
STORM 18	CAST IRON STEPS

DESCRIPTION OF PROJECT

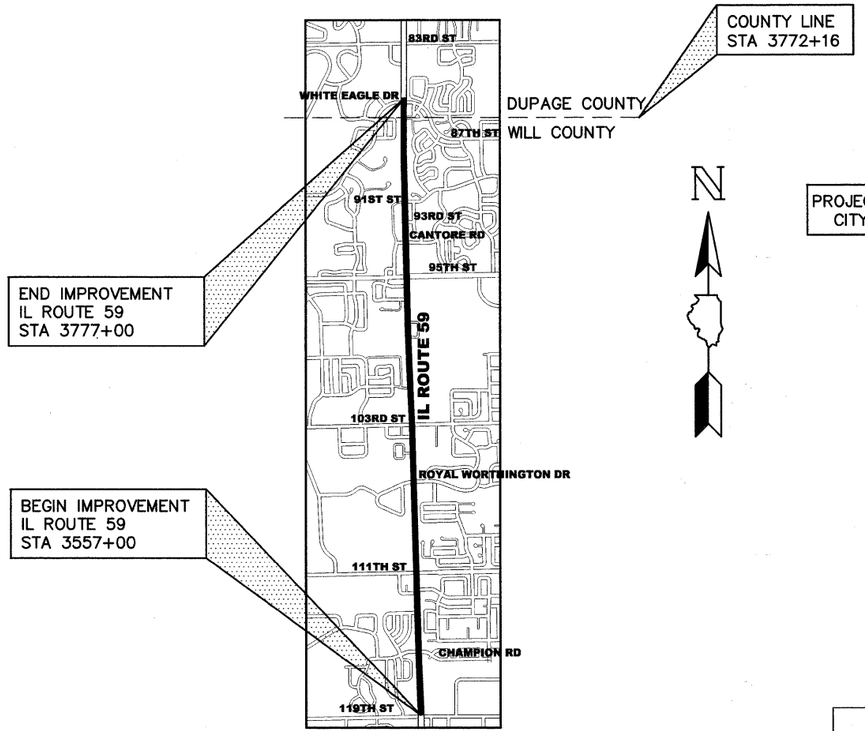
THIS IMPROVEMENT CONSISTS OF EARTH EXECAVTION, CONSTRUCTION OF SIDEWALK AND RELATED STORM WATER CONVEYANCE STRUCTURES AND SEWERS, AND NEW TRAFFIC SIGNAL PEDESTRAIN CROSSINGS.

HORIZ: 1"=100' 100 0 100
HORIZ: 1"=50' 50 0 50
VERT: 1"=5' 5 0 5
HORIZ: 1"=20' 20 0 20
HORIZ: 1"=10' 10 0 10

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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATON FOR EXECAVATION
1–800–892–0123 OR 811

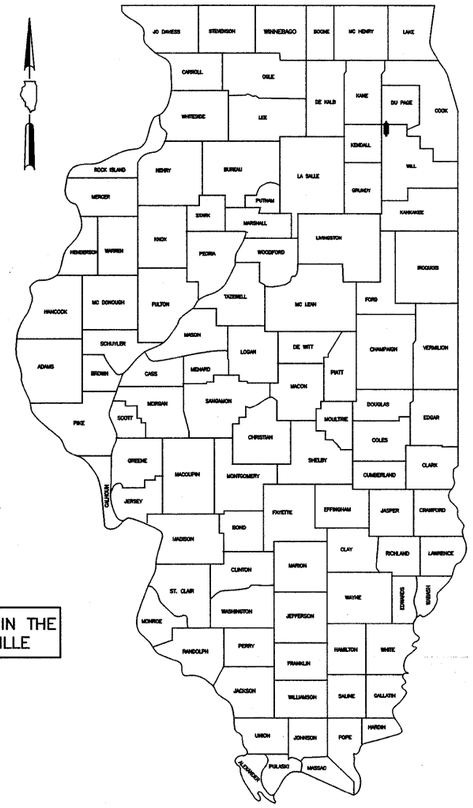
CONTRACT NO. 63224



LOCATION MAP
(NOT TO SCALE)

TOWNSHIP 38 NORTH, RANGE 9 EAST, THIRD PRINCIPAL MERIDIAN
IL RTE 59 PROJECT LENGTH = 22,000 FT = 4.17 MI

PROJECT LOCATED IN THE CITY OF NAPERVILLE



LOCATION OF SECTION INDICATED THUS: –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED August 13 2009
CITY OF NAPERVILLE, ENGINEERING MANAGER // DEPUTY CITY ENGINEER

PASSED August 31 2009
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW September 1, 2009
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

CIVILTECH ENGINEERING, INC. 184-002826 LISENSE CORPORATION ILLINOIS
CORPORATE SEAL

P.E. SIGNATURE: Reid T. Magner
P.E. NAME: REID T. MAGNER
DATE: 8/13/2009
IL LICENSE NO.: 062–056273
LICENSE EXPIRATION: 11/30/2009

REID T. MAGNER 062-056273 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS
ENGINEER SEAL

TRAFFIC DATA
2009 ADT = 47690
DESIGN DESIGNATION = 5776(29) MAJOR COLLECTOR 3.26 (PCC–20)
POSTED SPEED = 45 MPH
DESIGN SPEED = 50 MPH

PLANS PREPARED BY:

CITY OF NAPERVILLE
TRANS/ENG/DEV BUSINESS GROUP
400 SOUTH EAGLE STREET
NAPERVILLE, ILLINOIS 60540
(630) 420–6113

CIVILTECH
450 E Devon Ave, Suite 300 - Itasca, Illinois 60143
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FIELD ENGINEER: MARILIN D. SOLOMON, P.E. (847) 705–4407 SCHAUMBURG, IL
CONSULTANT ENGINEER: REID T. MAGNER, P.E. CIVILTECH ENGINEERING, INC.

A. GENERAL

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS". ANY REFERENCE TO "STANDARDS" THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST I.D.O.T. STANDARD.

2. THE PAVEMENT ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED SURFACE COURSE OR P.C.C. PAVEMENT OR SIDEWALK UNLESS OTHERWISE INDICATED.

3. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, ILLINOIS DEPARTMENT OF TRANSPORTATION (847) 705-4487, AND THE CITY OF NAPERVILLE (630) 420-6113) 72 HOURS PRIOR TO THE COMMENCEMENT OF WORK.

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

5. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT SOME QUANTITIES ARE GIVEN IN BOTH SUMMARY FORM AND ON THE PLAN SHEETS. CARE SHOULD BE TAKEN TO AVOID DUPLICATION OF QUANTITIES.

6. ALL UNBALLASTED TYPE I AND TYPE II BARRICADES SHALL HAVE TWO SANDBAGS ON THE BOTTOM RAIL.

7. CONSTRUCTION ACTIVITIES MAY OCCUR BETWEEN 7:00AM AND 7:00PM MONDAY THROUGH FRIDAY AND 8:30AM TO 5:00PM ON SATURDAYS. CONSTRUCTION ACTIVITIES ON SUNDAY ARE PROHIBITED. NO WORK WILL BE PERFORMED ON STATE OF ILLINOIS OBSERVED HOLIDAYS. CONSTRUCTION ACTIVITIES ARE IDENTIFIED AS THE OPERATION OF HEAVY EQUIPMENT, INCLUDING BUT NOT LIMITED TO THE WARMING UP OF ANY PIECE OF EQUIPMENT OR TURNING ON ENGINES. CONSTRUCTION ACTIVITIES SHALL NOT BEGIN BEFORE 7:00AM. CONSTRUCTION ACTIVITIES WHICH REQUIRE LANE CLOSURES IMPACTING TRAFFIC MAY OCCUR ONLY BETWEEN 9:00AM AND 3:00PM.

8. SHOULD THE CONTRACTOR DESIRE TO OBTAIN WATER FOR CONSTRUCTION PURPOSES FROM THE LOCAL AREA, THE CONTRACTOR WILL BE RESPONSIBLE FOR MAKING ARRANGEMENTS THROUGH THE NAPERVILLE PUBLIC WORKS DEPARTMENT. NAPERVILLE PUBLIC WORKS WILL INSTRUCT THE CONTRACTOR WHERE A POTABLE WATER SUPPLY FROM A HYDRANT NEAR THE WORK SITE IS LOCATED. THE CITY SHALL METER THE POTABLE WATER USED BY THE CONTRACTOR AND THE CONTRACTOR WILL BE CHARGED FOR THE WATER USED AT THE CITY RATES. THE CONTRACTOR IS RESPONSIBLE FOR THE TRANSPORTATION OF THE WATER TO THE SITE WHERE NEEDED. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

9. INSPECTION AND LAYOUT – THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE FINISHED WORK CONFORM TO THE LINES, GRADES, ELEVATIONS, AND DIMENSIONS CALLED FOR IN THE PLANS. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR THE QUALITY AND COMPLETENESS OF HIS WORK. THE ENGINEER IS THE CITY'S REPRESENTATIVE TO VERIFY QUALITY AND COMPLETENESS. ANY CONSTRUCTION LAYOUT NECESSARY SHALL BE COORDINATED THROUGH THE RESIDENT ENGINEER. THE CONTRACTOR SHALL EXERCISE CARE IN THE PRESERVATION OF STAKES AND BENCH MARKS AND SHALL HAVE THEM RESET AT HIS/HER EXPENSE WHEN ANY ARE DAMAGED, LOST, DISPLACED, OR REMOVED OR OTHERWISE OBLITERATED.

10. TEMPORARY TOILET – THE CONTRACTOR SHALL PROVIDE A TEMPORARY TOILET FACILITY FOR THE USE OF ALL CONTRACTORS' PERSONNEL EMPLOYED ON THE WORK, AND SHALL MAINTAIN SAME IN PROPER SANITARY CONDITION. AT COMPLETION, THE FACILITY SHALL BE REMOVED AND THE PREMISES LEFT CLEAN. THE ENGINEER SHALL APPROVE THE LOCATION OF THE TEMPORARY TOILET. THE COST OF THIS FACILITY IS CONSIDERED INCLUDED IN THE COST OF "ENGINEER'S FIELD OFFICE, TYPE A".

11. DISPOSAL OF WASTE EXCAVATED MATERIAL – THE CONTRACTOR SHALL REMOVE FROM THE PROJECT SITE ALL UNSUITABLE EXCAVATED MATERIAL. THIS MATERIAL WILL BE CLASSIFIED AS ALL MATERIAL THAT THE ENGINEER DEEMS UNSUITABLE, SUCH AS REBAR, ABANDONED WIRE, ETC. THE WASTE EXCAVATED MATERIAL SHALL NOT BE DEPOSITED ON PUBLIC OR PRIVATE PROPERTY UNLESS THE CONTRACTOR FIRST OBTAINS THE WRITTEN PERMISSION FROM THE PROPERTY OWNER OR THE AUTHORIZED REPRESENTATIVE OF THE APPROPRIATE PUBLIC AGENCY. THE REMOVAL OF UNSUITABLE MATERIAL FROM THE SITE WILL BE INCLUDED IN THE COST OF "EARTH EXCAVATION" AND "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL", AND NO ADDITIONAL COMPENSATION WILL BE PAID.

B. UTILITIES

12. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATION OF SUCH UTILITIES SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY OWNERS SO THAT THEIR FACILITIES MAY BE ADJUSTED OR RELOCATED, IF NECESSARY, PRIOR TO CONSTRUCTION OPERATIONS.

13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS", AND SHALL RESTORE SUCH PROPERTY AT HIS OWN EXPENSE. COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.

B. UTILITIES (CONTD.)

14. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS AND CABLE TELEVISION FACILITIES IN ACCORDANCE WITH STATE LAW.

15. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT THE CITY OF NAPERVILLE PUBLIC UTILITIES AT (630) 420-6131.

C. DRAINAGE

16. WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE CLEANED AND FREE FROM DIRT AND DEBRIS. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

17. "NON-SHEAR" COUPLINGS SHALL BE USED FOR CONNECTIONS OF NEW PIPE TO EXISTING PIPE, AND WHERE DISSIMILAR PIPE AND JOINT MATERIALS ARE ENCOUNTERED. COUPLINGS SHALL BE A MINIMUM OF 8 INCHES LONG FOR CONNECTIONS OF 4-INCH THROUGH 8-INCH PIPE AND A MINIMUM OF 12 INCHES LONG FOR CONNECTIONS ON LARGER PIPES (THESE ARE SPECIAL ORDER ITEMS). NO STAINLESS STEEL SHEAR RINGS WILL BE ALLOWED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE PIPE BEING INSTALLED.

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

19. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY VALVE VAULT, MANHOLE, OR CATCH BASIN SHALL HAVE THE WORD "WATER", "SANITARY", OR "STORM", AS APPROPRIATE, CAST INTO THE LID.

20. MATERIALS CONSIDERED SUITABLE BY THE ENGINEER FOR SALVAGE SHALL BE STORED WITHIN THE RIGHT-OF-WAY FOR LATER REMOVAL BY THE CITY OF NAPERVILLE.

21. THE STATION/OFFSET/ELEVATIONS NOTED FOR ALL DRAINAGE STRUCTURES LOCATED IN THE CURB LINE REFER TO THE POSITION OF THE ADJACENT PROPOSED EDGE OF PAVEMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE OFFSET NECESSARY FOR EACH STRUCTURE TO SET THE FRAME AND GRATE IN ITS PROPER LOCATION. OFFSETS SHOWN FOR ALL OTHER STRUCTURES ARE TO THE CENTER OF STRUCTURE. DRAINAGE STRUCTURES FLAT-TOPS AND CONES SHALL BE TURNED SO THAT THE FRAMES ARE CLOSEST TO THE CENTERLINE OF THE ROAD. ALL FLAT-TOPS AND CONES ARE ASSUMED TO BE ECCENTRIC.

22. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. WHEN LOCATED WITHIN THE CURB LINE, FRAME ELEVATION GIVEN REFLECT THE EDGE OF PAVEMENT ELEVATIONS. ALL OTHER FRAME ELEVATIONS ARE GIVEN AT THE CENTER. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.

23. ANY DEWATERING OF SEWER AND WATER MAIN TRENCHES AS WELL AS TEMPORARY SHEETING OR BRACING THAT MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE CONSIDERED INCLUDED IN THE COST OF PIPE BEING CONSTRUCTED. IN THE EVENT THAT SOFT MATERIALS ARE ENCOUNTERED IN SEWER CONSTRUCTION, THE CONTRACTOR SHALL, UPON THE APPROVAL OF THE ENGINEER, OVER EXCAVATE TO A DEPTH OF 12 INCHES BELOW THE BOTTOM OF THE PIPE AND BACKFILL WITH COMPACTED CRUSHED STONE, PROPERLY FORMED TO FIT THE BOTTOM OF THE PIPE.

24. ALL EXISTING FRAMES, GRATES, AND LIDS THAT ARE BEING REPLACED REMAIN THE PROPERTY OF THE CITY OF NAPERVILLE. THE CONTRACTOR SHALL DELIVER ALL REPLACED FRAMES, GRATES AND LIDS TO THE RESPECTIVE PUBLIC WORKS FACILITY. SUCH DELIVERY SHALL BE INCLUDED IN THE COST NEW FRAMES, GRATES, AND LIDS BEING PLACED.

25. THE ENDS OF EXISTING DRAINAGE LINES WHICH ARE NOT TO BE INCORPORATED IN TO THE PROPOSED IMPROVEMENT (AS DETERMINED BY THE ENGINEER) SHALL BE SEALED WITH BRICKS AND PORTLAND CEMENT MORTAR TO THE SATISFACTION OF THE ENGINEER. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

26. ADJUSTMENT RINGS, MAXIMUM OF 12" IN HEIGHT, WILL BE ALLOWED IN THE ADJUSTMENT OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED. THE RINGS SHALL BE INCLUDED IN THE COST OF THE STRUCTURE TO BE ADJUSTED.

D. MISCELLANEOUS

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

28. THE CONTRACTOR SHALL SAW CUT PAVEMENT, CURB & GUTTER, SIDEWALK, AND DRIVEWAY PAVEMENT AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS SHOWN ON THE PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER. ALL SAWCUTTING SHALL BE INCLUDED IN THE COST OF REMOVAL ITEMS AND SHALL BE PERFORMED PRIOR TO BEGINNING REMOVAL UNLESS OTHERWISE NOTED.

29. THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER MATERIAL EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS, AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE ON THE DAY IT IS EXCAVATED. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING MATERIAL TO A LOCATION, PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF THE IMPROVEMENT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

30. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SEEDED/SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.

31. ALL SUITABLE EXCESS MATERIAL FROM SEWER TRENCHES, SIDE ROADS, ENTRANCES OR OTHER NECESSARY EXCAVATIONS SHALL BE USED IN THE CONSTRUCTION OF THE IMPROVEMENT. PLACEMENT AND COMPACTION OF THIS MATERIAL SHALL BE CONSIDERED AS INCLUDED IN THE COST OF "EARTH EXCAVATION", AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

32. ALL EXCAVATION AND EMBANKMENT SHALL BE CONSTRUCTED FOUR (4) INCHES OR TWELVE (12) INCHES BELOW FINISHED GRADE LINE TO ALLOW FOR TOP SOIL PLACEMENT AS DESIGNATED IN THE PLANS FOR THIS CONTRACT.

33. ALL EXISTING GRASS AREAS DISTURBED BY THE CONSTRUCTION OPERATIONS SHALL BE SODDED OR SEEDED AS DIRECTED BY THE ENGINEER.

E. SIGNS

34. ALL SIGNS RELOCATED OR REPLACED SHALL BE ERECTED USING NEW "TELESPAR", "SQAURE-FIT" OR APPROVED EQUAL SYSTEM METAL BASES CUT 42" LONG FROM 2 1/4 INCH SQUARE MATERIAL. THEY ARE TO BE DRIVEN INTO SOLID GROUND USING A PNEUMATIC DRIVER. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

F. MAILBOXES

35. THE CONTRACTOR WILL BE REQUIRED TO TEMPORARILY RESET ALL EXISTING MAILBOXES WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS AND, AFTER COMPLETION OF ROADWAY CONSTRUCTION, TO SET THEM IN THEIR PERMANENT LOCATION, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE POST OFFICE TO COORDINATE MAILBOX RELOCATION. THIS WORK SHALL BE IN CONFORMANCE WITH ARTICLE 107.20 OF THE "STANDARD SPECIFICATIONS", AND THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

F. POINTS OF CONTACT:

CITY OF NAPERVILLE
MR. SEAN D. MARQUEZ, P.E.
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CITY OF NAPERVILLE
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COMMONWEALTH EDISON
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Tel: 630.773.3900 - Fax: 630.773.3975
www.civiltechinc.com

DESIGNED	BLG	REVISED	-
DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

GENERAL NOTES
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	2
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

SUMMARY OF QUANTITIES

ITEM NO.	CODE NO.		SUMMARY OF QUANTITIES / LOCATION OF WORK / PAY ITEM	UNIT	TOTAL	CONSTRUCTION TYPE CODE IL RTE 59 SFTY-1B	CONSTRUCTION TYPE CODE SIGNALS Y031-1F
1	20101300		TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	100	100	0
2	20101000		TEMPORARY FENCE	FOOT	200	200	0
3	20101200		TREE ROOT PRUNING	EACH	25	25	0
4	20200100	*	EARTH EXCAVATION	CU YD	3614	3614	0
5	20201200	*	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	198	198	0
6	20400800		FURNISHED EXCAVATION	CU YD	1766	1766	0
7	20700420	*	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	198	198	0
8	20800150	*	TRENCH BACKFILL	CU YD	19	19	0
9	21001000		GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1662	1662	0
10	21101615	*	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	18122	18122	0
11	21301048		EXPLORATION TRENCH 48" DEPTH	FOOT	100	100	0
12	25000210		SEEDING, CLASS 2A	ACRE	4	4	0
13	25000400		NITROGEN FERTILIZER NUTRIENT	POUND	342	342	0
14	25000600		POTASSIUM FERTILIZER NUTRIENT	POUND	342	342	0
15	25100630		EROSION CONTROL BLANKET	SQ YD	18122	18122	0
16	25200200	*	SUPPLEMENTAL WATERING	UNIT	10	10	0
17	28000250		TEMPORARY EROSION CONTROL SEEDING	POUND	380	380	0
18	28000300		TEMPORARY DITCH CHECKS	EACH	17	17	0
19	28000500		INLET AND PIPE PROTECTION	EACH	25	25	0
20	35101400		AGGREGATE BASE COURSE, TYPE B	TON	1319	1319	0
21	42001300	*	PROTECTIVE COAT	SQ YD	11923	11923	0
22	42400200		PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	106765	106765	0
23	42400800	*	DETECTABLE WARNINGS	SQ FT	140	140	0
24	44000500		COMBINATION CURB AND GUTTER REMOVAL	FOOT	175	175	0
25	44000600		SIDEWALK REMOVAL	SQ FT	219	219	0
26	54200430		PIPE CULVERTS, TYPE 1 RCCP 15"	FOOT	112	112	0
27	54200439		PIPE CULVERTS, TYPE 1 RCCP 24"	FOOT	135	135	0
28	54213450		END SECTIONS 15"	EACH	4	4	0
29	54215424		CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 24"	EACH	1	1	0
30	550A0050		STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	12	12	0
31	550A0070		STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	30	30	0
32	55039700	*	STORM SEWERS TO BE CLEANED	FOOT	100	100	0
33	55100500		STORM SEWER REMOVAL 12"	FOOT	18	18	0
34	60207605		CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	4	4	0
35	60218400		MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	0
36	60250200		CATCH BASINS TO BE ADJUSTED	EACH	5	5	0
37	60252800		CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1	0
38	60255500		MANHOLES TO BE ADJUSTED	EACH	43	43	0
39	60257900		MANHOLES TO BE RECONSTRUCTED	EACH	3	3	0
40	60260100		INLETS TO BE ADJUSTED	EACH	1	1	0
41	60262700		INLETS TO BE RECONSTRUCTED	EACH	1	1	0
42	60406100		FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	4	4	0
43	60500050		REMOVING CATCH BASINS	EACH	2	2	0
44	60605000		COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	175	175	0
45	67000400		ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2	0
46	67100100		MOBILIZATION	L SUM	1	1	0
47	70101700	*	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1	0
48	70106800	*	CHANGEABLE MESSAGE SIGN	CAL MO	1	1	0
49	72400500	^	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9	0
50	72400600	^	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1	0
51	78000100	^	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	83	83	0
52	78000400	^	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1253	1253	0
53	78000650	^	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	441	441	0
54	81000700	^	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	10	0	10
55	81018600	^	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	20	0	20
56	81018900	^	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	120	0	120
57	81900200	^	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	10	0	10
58	85000200	*^	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	0	1
59	87301215	^	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	602	0	602
60	87301245	^	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1386	0	1386
61	87301255	^	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	317	0	317
62	87800100	^	CONCRETE FOUNDATION, TYPE A	FOOT	12	0	12
63	87900200	^	DRILL EXISTING HANDHOLE	EACH	5	0	5
64	88102747	^	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4	0	4
65	88800100	^	PEDESTRIAN PUSH-BUTTON	EACH	4	0	4
66	89500100	^	RELOCATE EXISTING SIGNAL HEAD	EACH	3	0	3
67	89501150	^	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	3	0	3
68	89502200	^	MODIFY EXISTING CONTROLLER	EACH	1	0	1
69	89502300	^	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	450	0	450
70	89502385	*^	REMOVE EXISTING CONCRETE FOUNDATION	EACH	3	0	3
71	X0322256	*	TEMPORARY INFORMATION SIGNING	SQ FT	52	52	0
72	X0322919	*	CLEAN EXISTING STRUCTURES	EACH	5	5	0
73	X0322923	*	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	61	61	0
74	X0323973	*	SEDIMENT CONTROL, SILT FENCE	FOOT	7366	7366	0
75	X0323974	*	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	3683	3683	0
76	X0325890	*^	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1	0	1
77	X8730027	*^	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	169	0	169
78	X8950200	*^	REBUILD EXISTING HANDHOLE	EACH	5	4	1
79	XX001249	*	ORNAMENTAL FENCE	FOOT	20	20	0
80	Z0019600	*	DUST CONTROL WATERING	UNIT	10	10	0
81	Z0076600	^^*	TRAINEES	HOUR	500	500	0

^ DENOTES SPECIALTY ITEM
^^ DENOTES CONSTRUCTION TYPE CODE Y080
* DENOTES SPECIAL PROVISION

^ DENOTES SPECIALTY ITEM
^^ DENOTES CONSTRUCTION TYPE CODE Y080
* DENOTES SPECIAL PROVISION

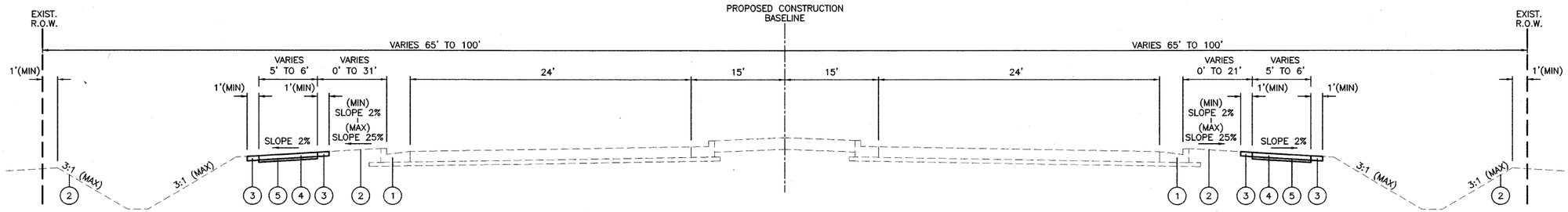
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CITY OF NAPERVILLE

SUMMARY OF QUANTITIES
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	3
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



ILLINOIS ROUTE 59

SOUTH OF 111TH STREET TO 87TH STREET
STA 3557+00 TO STA 3777+00

LEGEND

(1) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

(2) EXISTING GROUND LINE (GRASS)

(3) FURNISHING AND PLACING TOPSOIL, 4"

(4) PORTLAND CEMENT CONCRETE SIDEWALK, 5"

(5) AGGREGATE BASE COURSE TYPE B, 2"

NOTE:
THE CITY OF NAPERVILLE STANDARD DETAIL PVMT 3 IS INCLUDED AS A REFERENCE AND SHALL GOVERN FOR THE PROPOSED IMPROVEMENTS.

ILLINOIS ROUTE 59 SIDEWALK	SCHEDULE OF EARTH EXCAVATION AND FURNISHED EXCAVATION			
	EARTH EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT, SUBGRADE	FURNISHED EXCAVATION
PROJECT SUBTOTAL (CU. FT.)	97,580	0	0	41,457
PROJECT SUBTOTAL (CU. YD.)	3,614	198	198	1,535
SHRINKAGE FACTOR ADJUSTMENT (15%)	-	-	-	x 1.15
PROJECT TOTAL (CU. YD.)	3,614	198*	198*	1,766

* CONTINGENCY QUANTITY OF 198 CU YD OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND POROUS GRANULAR EMBANKMENT, SUBGRADE HAS BEEN PROVIDED (ASSUMING 10% OF THE SIDEWALK WILL NEED UNDERCUT) TO BE USED IN THE FIELD AT THE DIRECTION OF THE ENGINEER.

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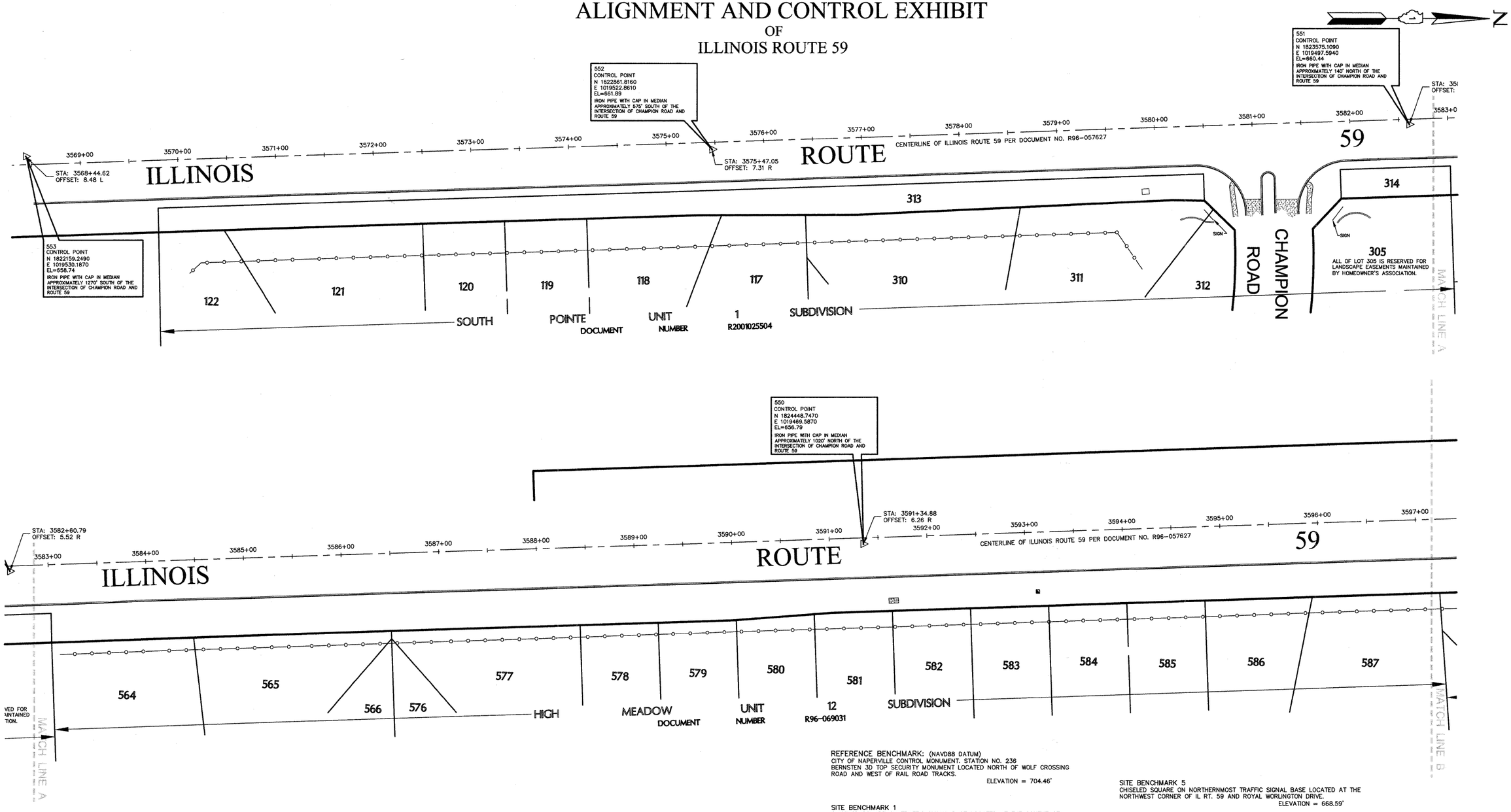
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CITY OF NAPERVILLE

TYPICAL SECTIONS
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	4
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

ALIGNMENT AND CONTROL EXHIBIT
OF
ILLINOIS ROUTE 59



REFERENCE BENCHMARK: (NAVD88 DATUM)
CITY OF NAPERVILLE CONTROL MONUMENT. STATION NO. 236
BERNSTEN 3D TOP SECURITY MONUMENT LOCATED NORTH OF WOLF CROSSING ROAD AND WEST OF RAIL ROAD TRACKS.
ELEVATION = 704.46'

SITE BENCHMARK 1
CHISELED SQUARE ON TRAFFIC SIGNAL BASE LOCATED AT THE SOUTHEAST CORNER OF IL RT. 59 AND 87TH STREET.
ELEVATION =700.03'

SITE BENCHMARK 2
CHISELED SQUARE ON TOP OF FLARED END SECTION LOCATED ON THE EAST SIDE OF IL RT. 59 AT STATION 3766+52.
ELEVATION = 702.14'

SITE BENCHMARK 3
CHISELED SQUARE ON TOP OF CURB LOCATED ON THE WEST SIDE OF THE MEDIAN IN THE CENTER OF IL RT. 59 NORTH OF 91ST STREET AT STATION 3745+21.
ELEVATION = 698.90'

SITE BENCHMARK 4
CHISELED SQUARE ON SOUTHERNMOST TRAFFIC SIGNAL BASE LOCATED AT THE SOUTHWEST CORNER OF IL RT. 59 AND 95TH STREET.
ELEVATION = 699.54'

SITE BENCHMARK 5
CHISELED SQUARE ON NORTHERNMOST TRAFFIC SIGNAL BASE LOCATED AT THE NORTHWEST CORNER OF IL RT. 59 AND ROYAL WORLINGTON DRIVE.
ELEVATION = 668.59'

SITE BENCHMARK 6
CHISELED SQUARE ON TOP OF CURB LOCATED ON THE WEST SIDE OF IL RT. 59 NEAR STATION 3625+00.
ELEVATION = 654.61'

SITE BENCHMARK 7
CHISELED SQUARE ON WESTERNMOST TRAFFIC SIGNAL BASE LOCATED AT THE NORTHWEST CORNER OF IL RT. 59 AND 111TH STREET.
ELEVATION = 657.62'

SITE BENCHMARK 8
CHISELED SQUARE ON TOP OF CURB AT TIP OF MEDIAN LOCATED IN THE CENTERLINE OF IL RT. 59 SOUTH OF CENTERLINE OF CHAMPION DRIVE.
ELEVATION = 661.40'

SITE BENCHMARK 9
CHISELED SQUARE ON NORTHERNMOST TRAFFIC SIGNAL BASE LOCATED AT THE NORTHWEST CORNER OF IL RT. 59 AND 119TH STREET.
ELEVATION = 653.46'

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CITY OF NAPERVILLE

ALIGNMENT AND TIES PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: 1"=50'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	5
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

ALIGNMENT AND CONTROL EXHIBIT
OF
ILLINOIS ROUTE 59

549
CONTROL POINT
N 1825155.6340
E 1019439.3660
EL=659.08
IRON PIPE WITH CAP IN MEDIAN APPROXIMATELY 485' SOUTH OF THE INTERSECTION OF HIGH MEADOW ROAD AND ROUTE 59

548
CONTROL POINT
N 1825846.8560
E 1019409.1870
EL=659.27
IRON PIPE WITH CAP IN MEDIAN APPROXIMATELY 210' NORTH OF THE INTERSECTION OF HIGH MEADOW ROAD AND ROUTE 59

547
CONTROL POINT
N 1826868.1300
E 1019378.4430
EL=655.49
IRON PIPE WITH CAP IN MEDIAN APPROXIMATELY 615' NORTH OF THE INTERSECTION OF 111TH STREET AND ROUTE 59

546
CONTROL POINT
N 1827572.0280
E 1019361.1330
EL=654.41
IRON PIPE WITH CAP IN MEDIAN APPROXIMATELY 1310' NORTH OF THE INTERSECTION OF 111TH STREET AND ROUTE 59

HERITAGE CROSSING SUBDIVISION
DOCUMENT NUMBER R2000080271

LOT 6 | LOT 5 | LOT 4

STA: 3598+42.38
OFFSET: 0.69 L

STA: 3605+34.22
OFFSET: 8.11 L

STA: 3615+55.95
OFFSET: 5.25 L

STA: 3622+60.04
OFFSET: 0.61 R

3597+00 3598+00 3599+00 3600+00 3601+00 3602+00 3603+00 3604+00 3605+00 3606+00 3607+00 3608+00 3609+00 3610+00 3611+00 3612+00 3613+00 3614+00 3615+00 3616+00 3617+00 3618+00 3619+00 3620+00 3621+00 3622+00 3623+00 3624+00

CENTERLINE OF ILLINOIS ROUTE 59 PER DOCUMENT NO. R96-057627

ILLINOIS ROUTE 59

11TH STREET

MATCH LINE B

MATCH LINE C

MATCH LINE D

587 | 432 | 431 | 433

HIGH MEADOW UNIT 10 SUBDIVISION
DOCUMENT NUMBER R95-085732

LOT 4
HIGH MEADOW UNIT 1 SUBDIVISION
DOCUMENT NUMBER R88-38590

HIGH MEADOW ROAD

LOT 4 | LOT 3 | LOT 2

REPUBLIC WEST SUBDIVISION
DOCUMENT NUMBER R2001006963

HARMONY
DOCUMENT

CONTINENTAL PLAISANCE SUBDIVISION
DOCUMENT NUMBER R2001113121

GRECO/REGGI RESUBDIVISION
DOCUMENT NUMBER R2004136171

1 | 2

LOT 4 | LOT 5 | LOT 1 | LOT 6

LOT 3 | LOT 1

HARMONY GROVE RESUBDIVISION
DOCUMENT NUMBER R2000106491

156 | 157 | 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165

HARMONY GROVE UNIT 3 SUBDIVISION
DOCUMENT NUMBER R97-074472

LOT 389

252
ROCKS

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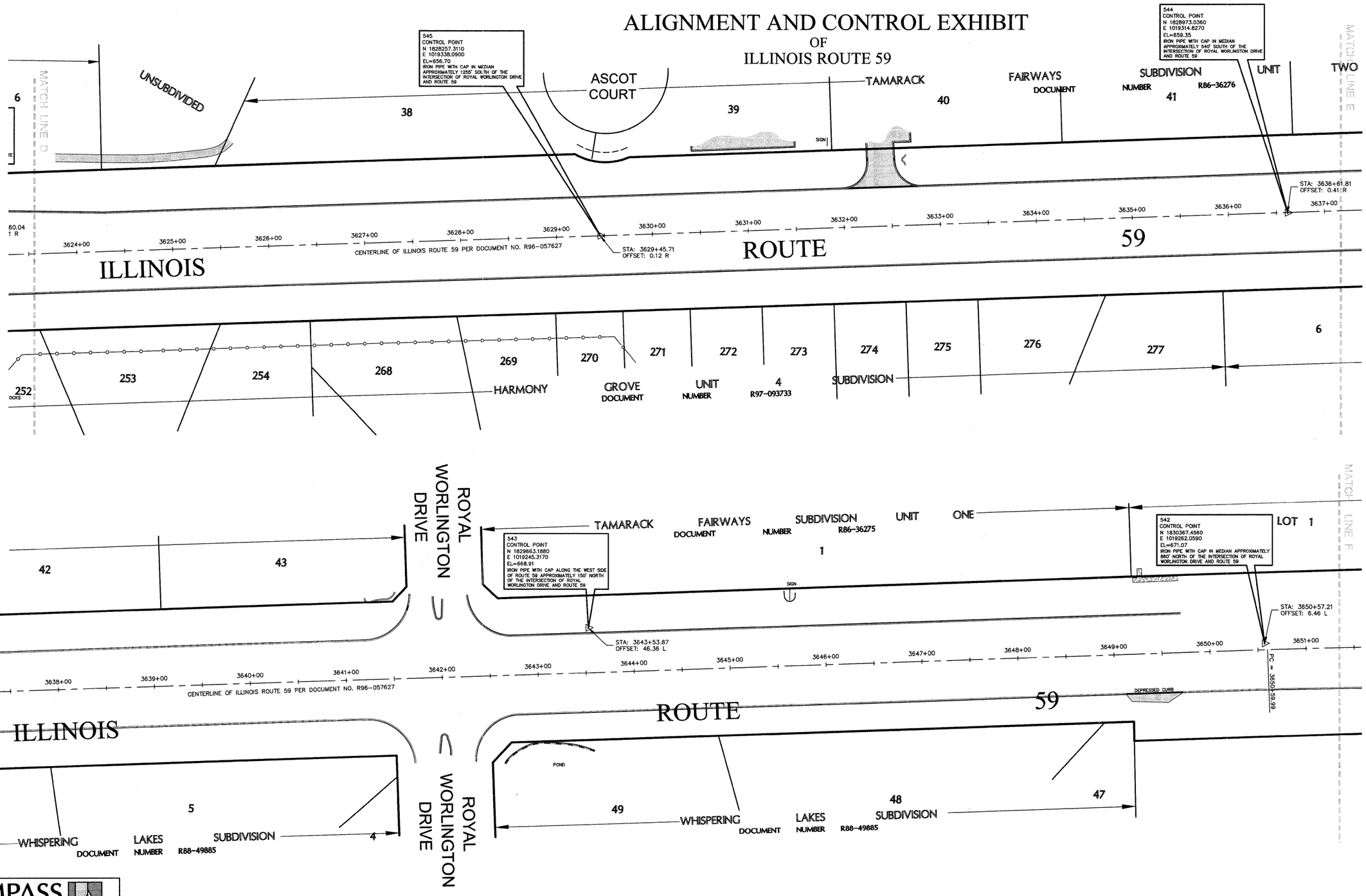
CITY OF NAPERVILLE

ALIGNMENT AND TIES PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	5A
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

ALIGNMENT AND CONTROL EXHIBIT
OF
ILLINOIS ROUTE 59



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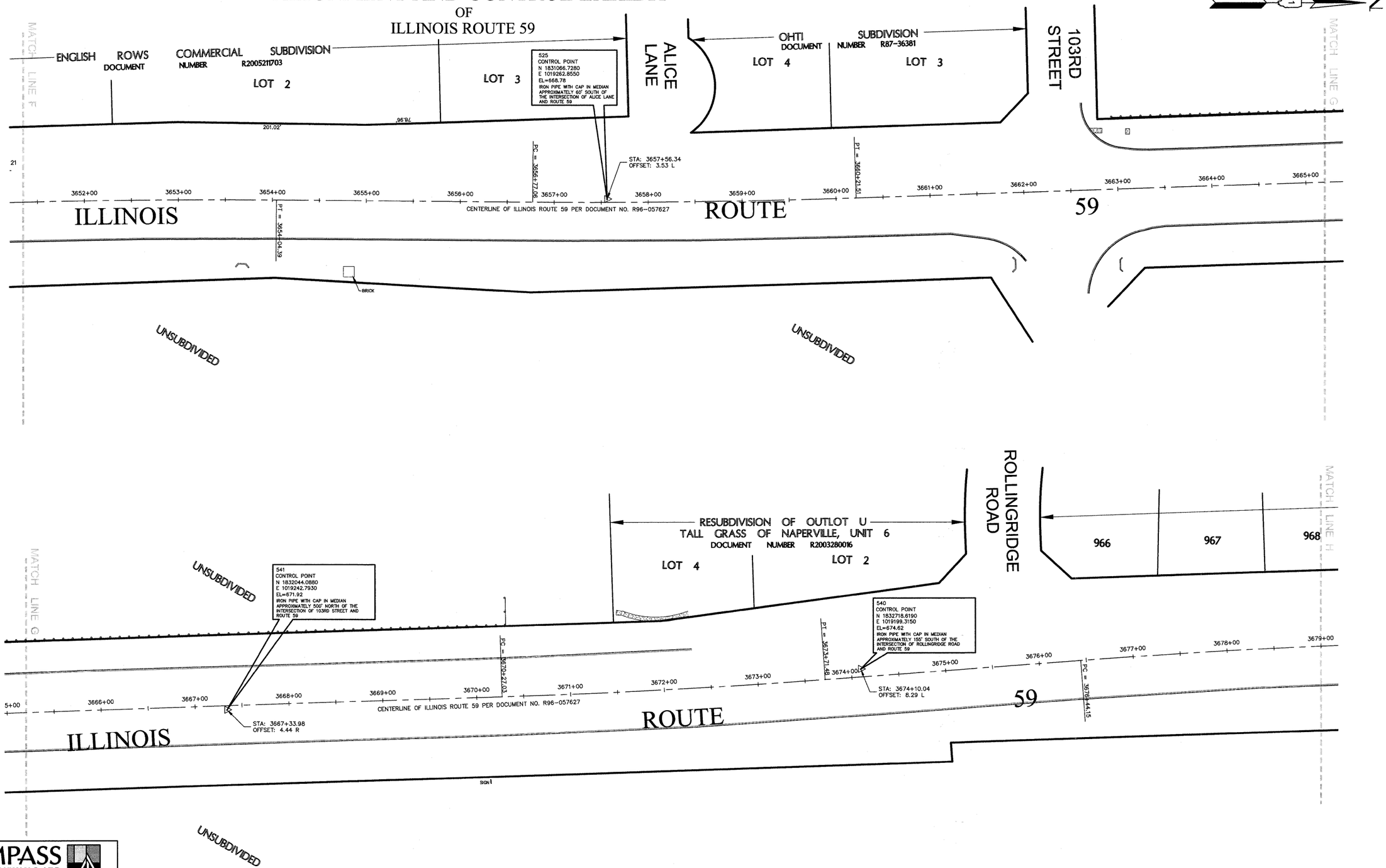
CITY OF NAPERVILLE

ALIGNMENT AND TIES PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	5B
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

ALIGNMENT AND CONTROL EXHIBIT
OF
ILLINOIS ROUTE 59



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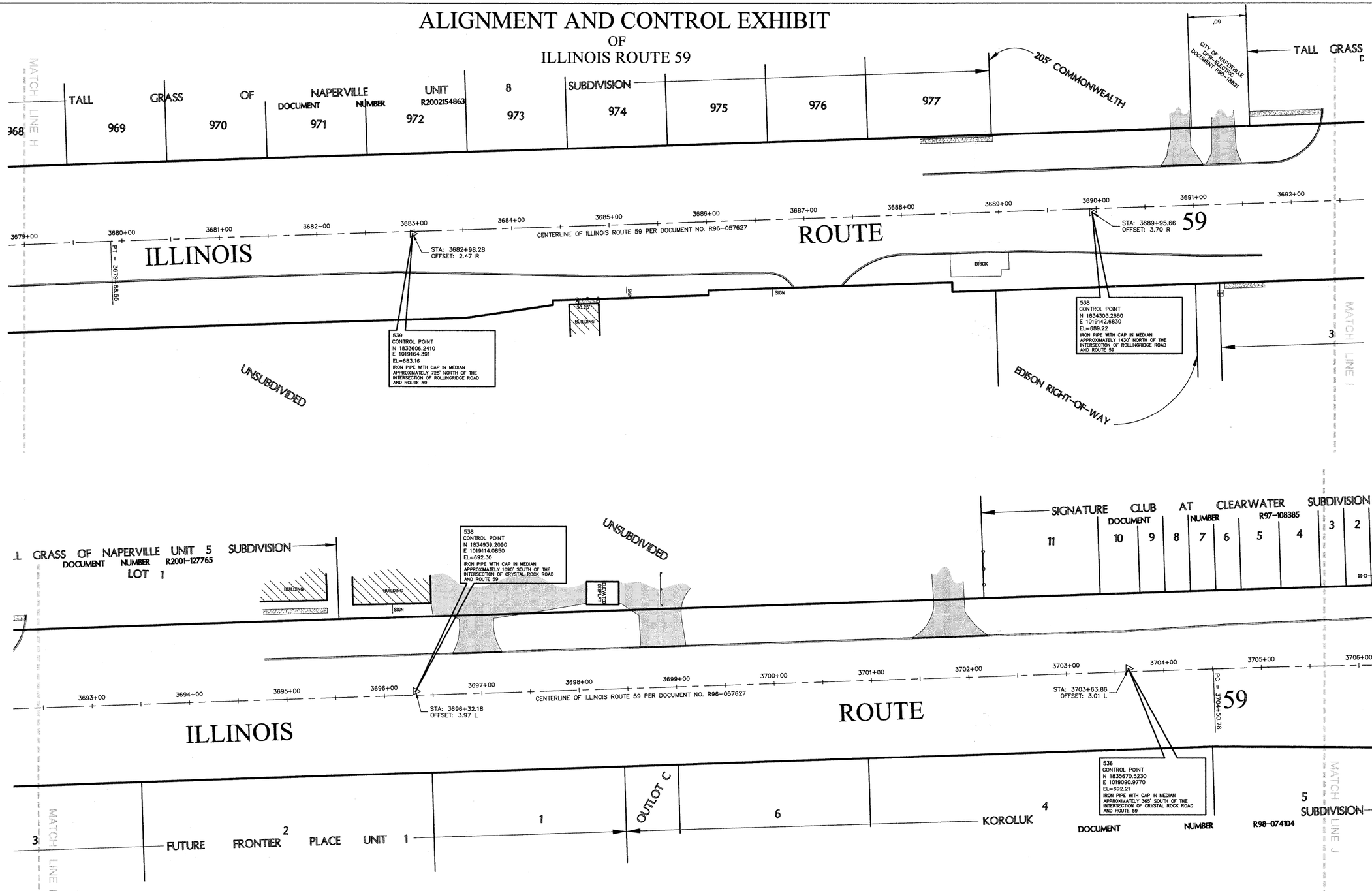
CITY OF NAPERVILLE

ALIGNMENT AND TIES PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	5C
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

ALIGNMENT AND CONTROL EXHIBIT
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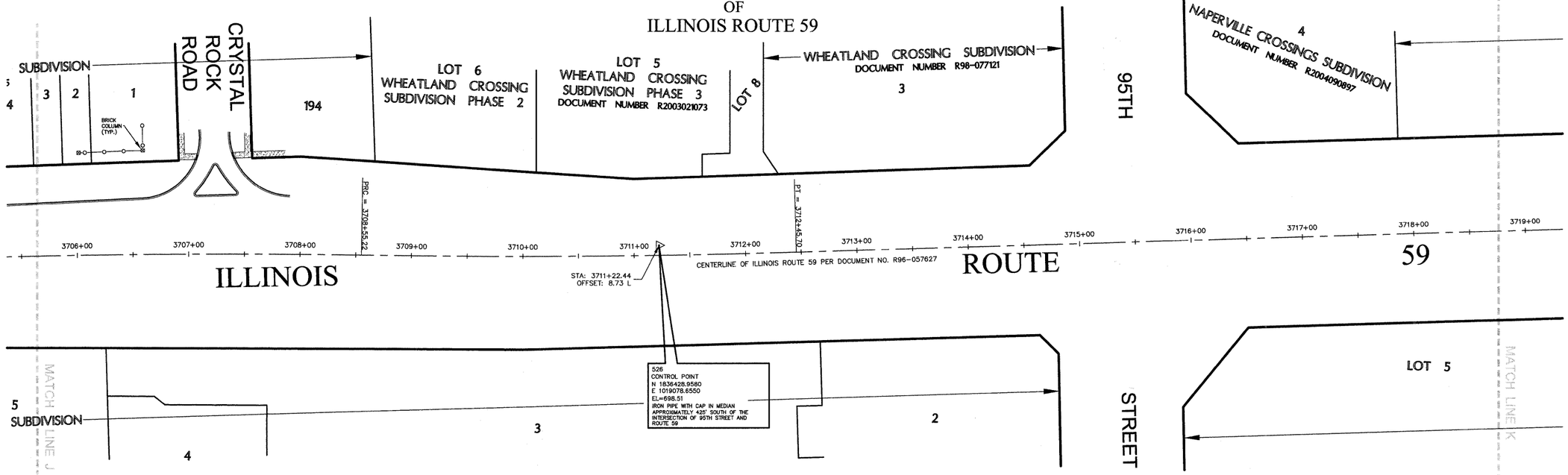
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ALIGNMENT AND TIES PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50'

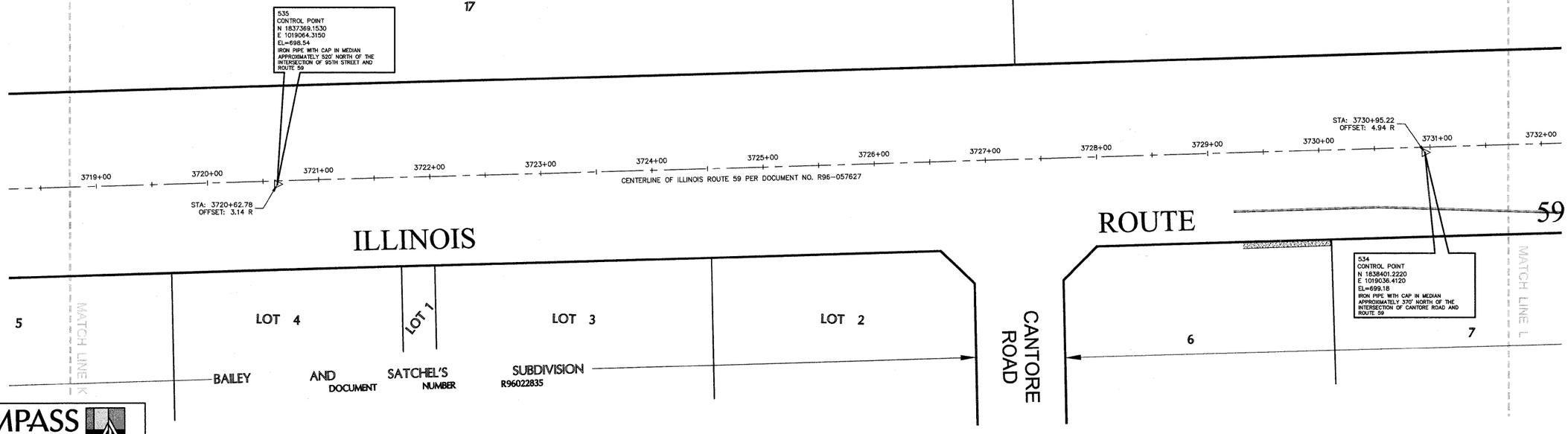
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338	07-00136-00-SW	WILL & DUPAGE	88	5D
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

ALIGNMENT AND CONTROL EXHIBIT
OF
ILLINOIS ROUTE 59



PLAT OF RESUBDIVISION & 2ND AMENDED PRELIMINARY PLANNED UNIT DEVELOPMENT FOR LOTS 2, 3, 5 AND 6 OF NAPERVILLE CROSSINGS

DOCUMENT NUMBER R2006063519



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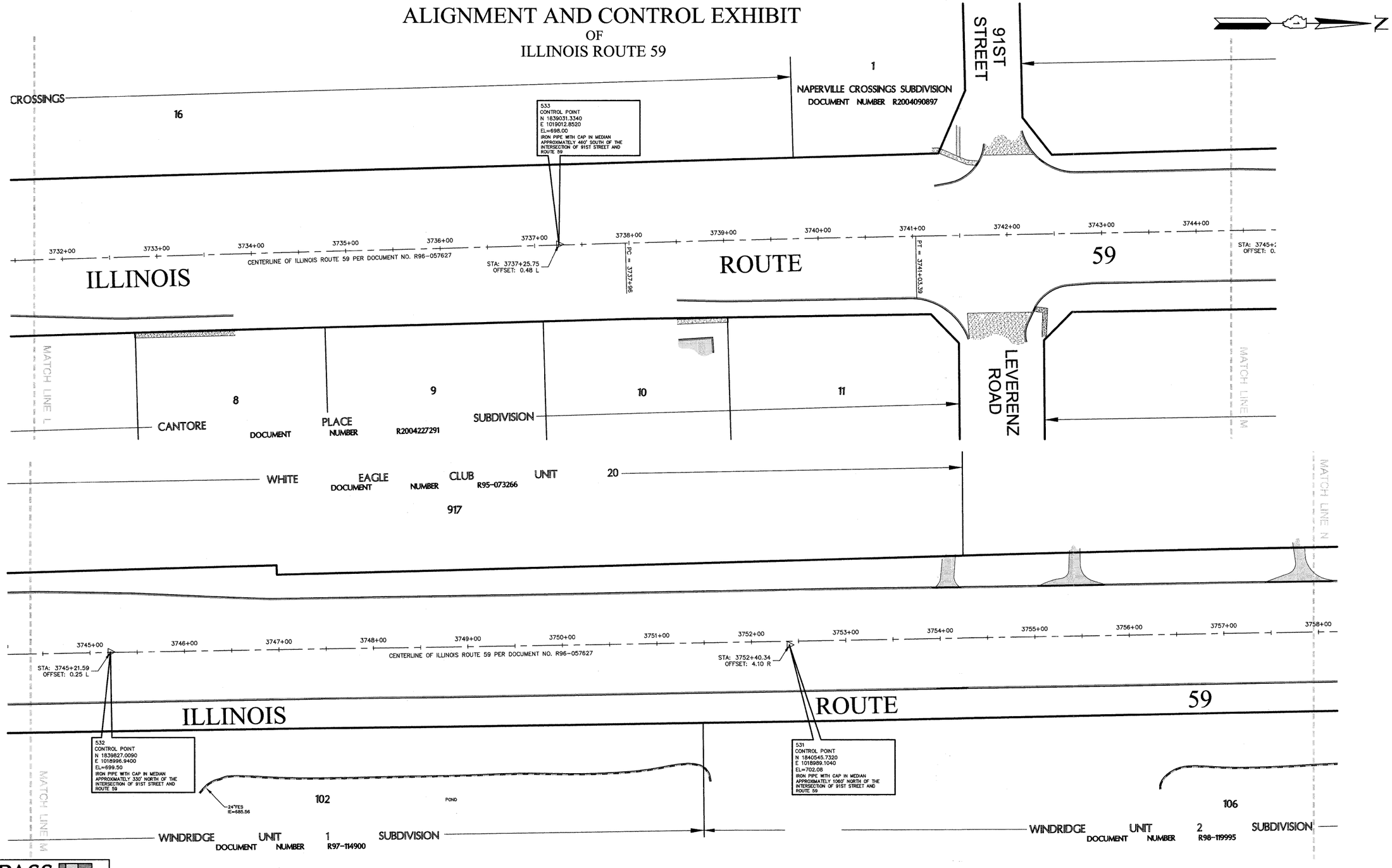
CITY OF NAPERVILLE

ALIGNMENT AND TIES PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	5E
		CONTRACT NO.	63224	
FED. ROAD DIST. NO. 1	ILLINOIS			

ALIGNMENT AND CONTROL EXHIBIT
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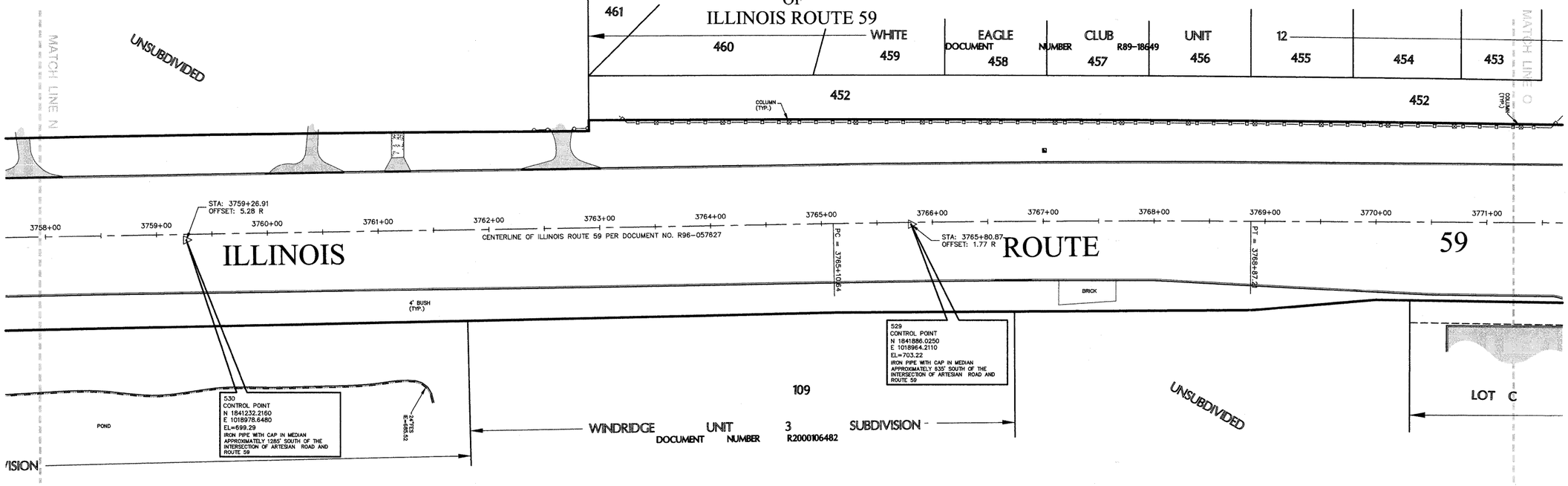
ALIGNMENT AND TIES PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: 1"=50'

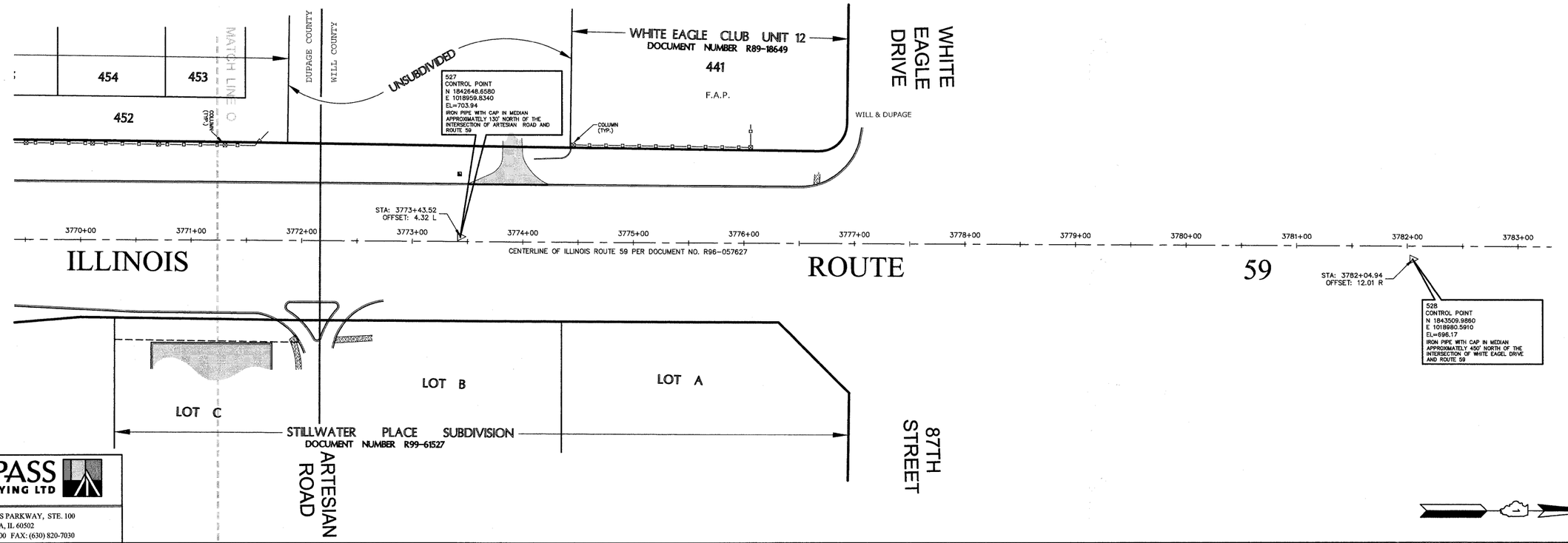
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	5F
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

ALIGNMENT AND CONTROL EXHIBIT

OF

ILLINOIS ROUTE 59





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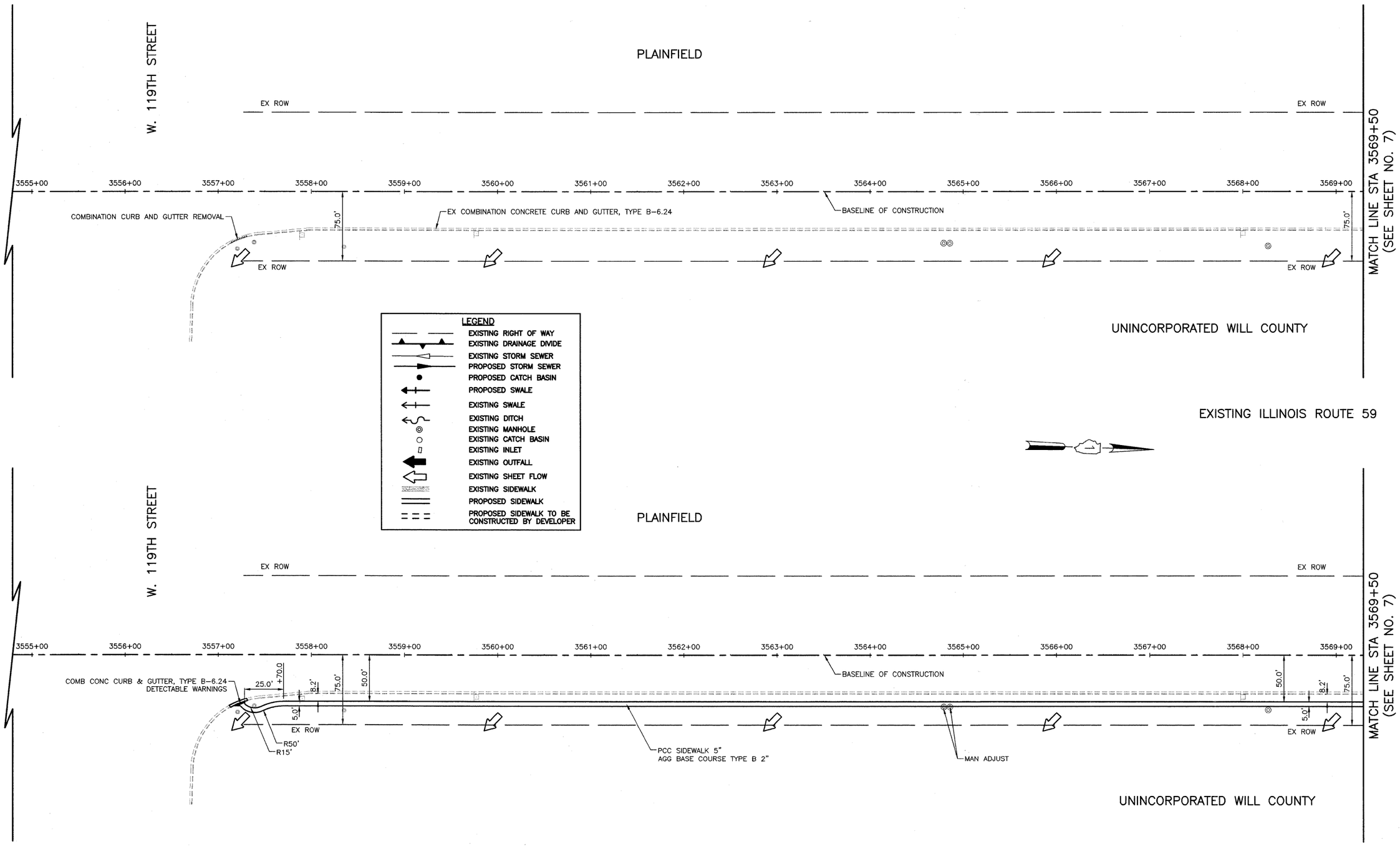
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ALIGNMENT AND TIES PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	5G
		CONTRACT NO.	63224	
FED. ROAD DIST. NO. 1	ILLINOIS			



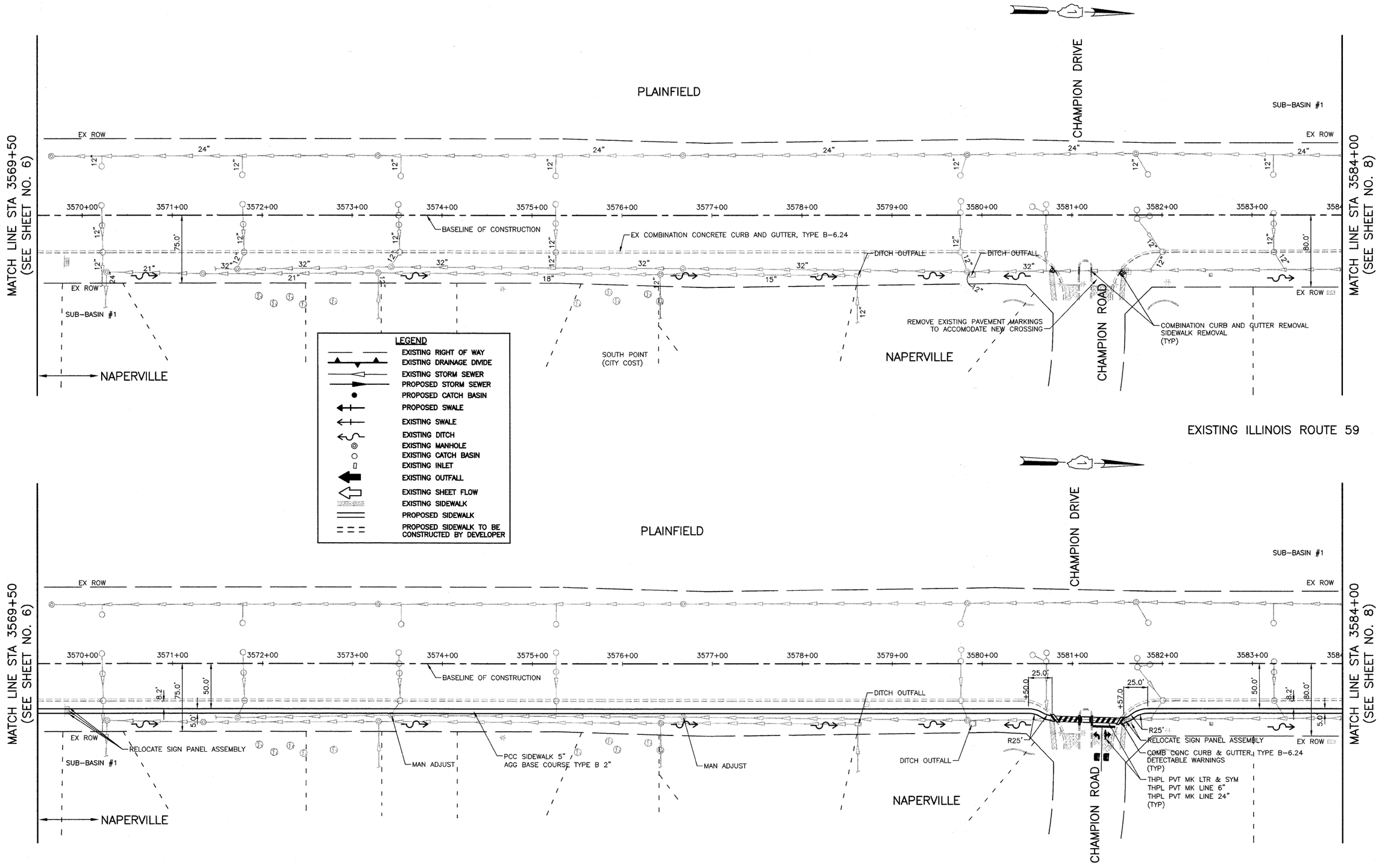
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DRAWN	BLG	REVISED -
CHECKED	RTM	REVISED -
DATE	8/13/2009	REVISED -

CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: 1"=50' | STA. 3555+00 TO STA. 3569+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	6
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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DATE	8/13/2009	REVISED	-

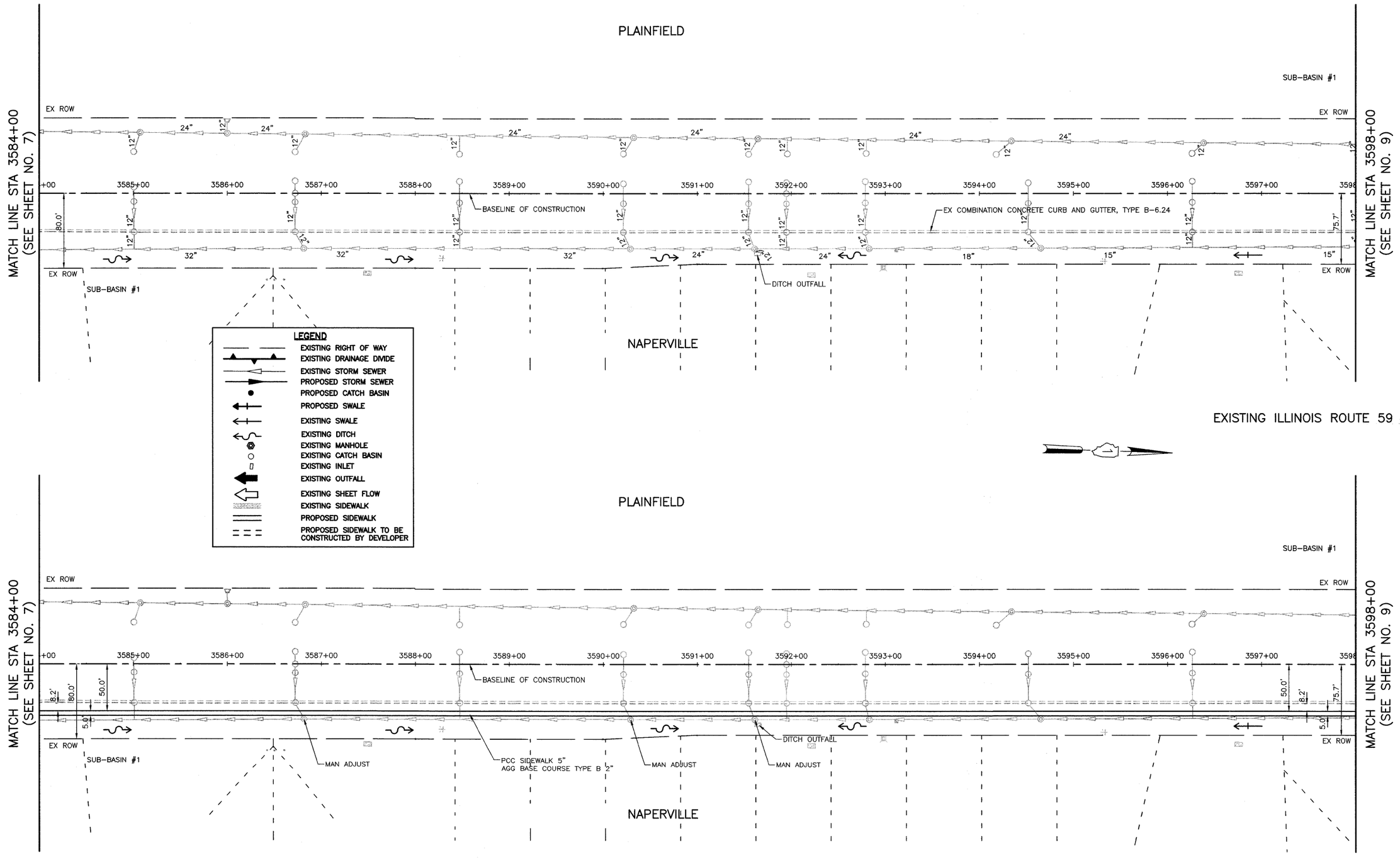
CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3569+00 TO STA. 3584+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	7
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

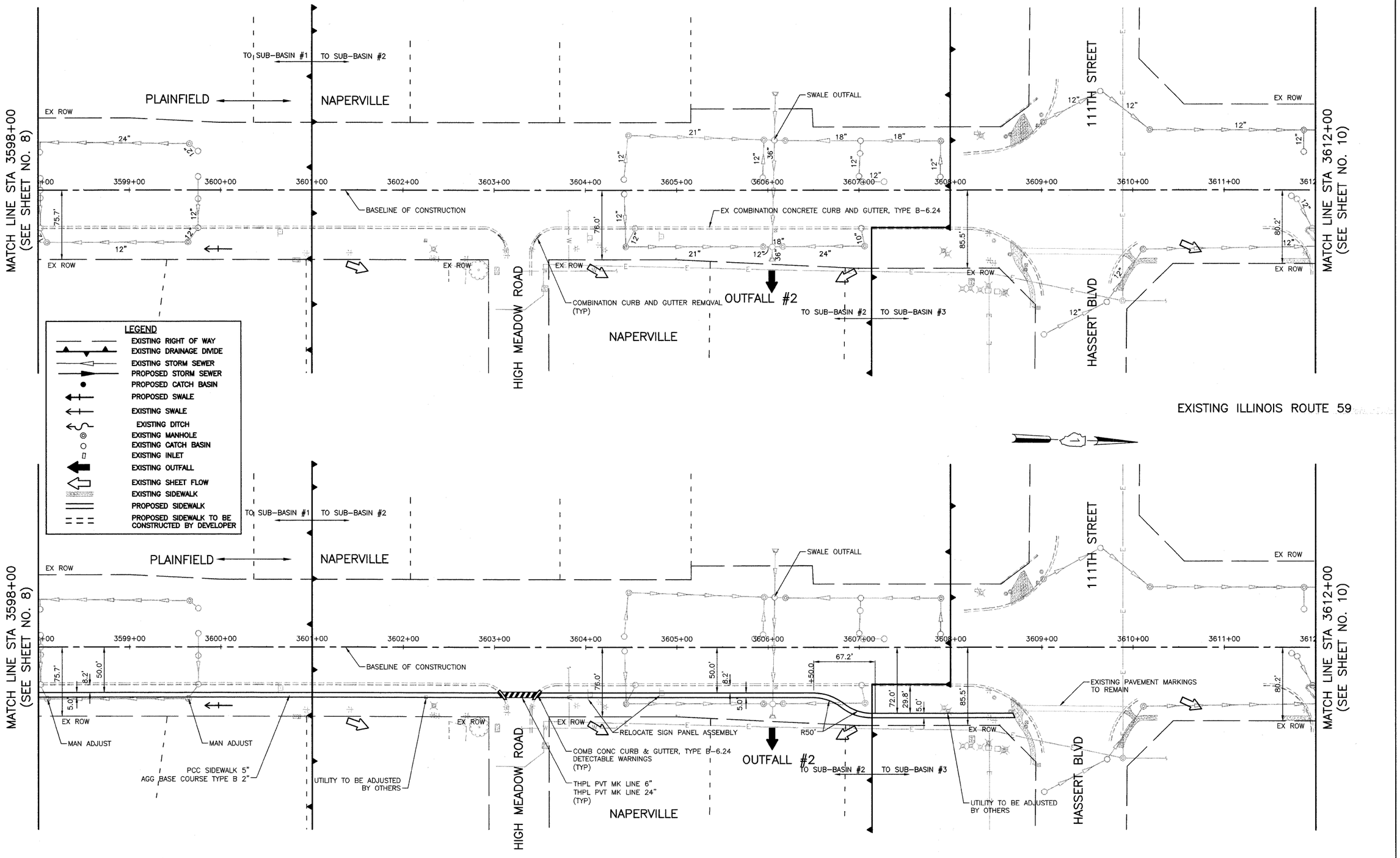
EXISTING AND PROPOSED SIDEWALK PLAN

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50'

STA. 3584+00 TO STA. 3598+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07–00136–00–SW	WILL & DUPAGE	88	8
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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DATE	8/13/2009	REVISED	-

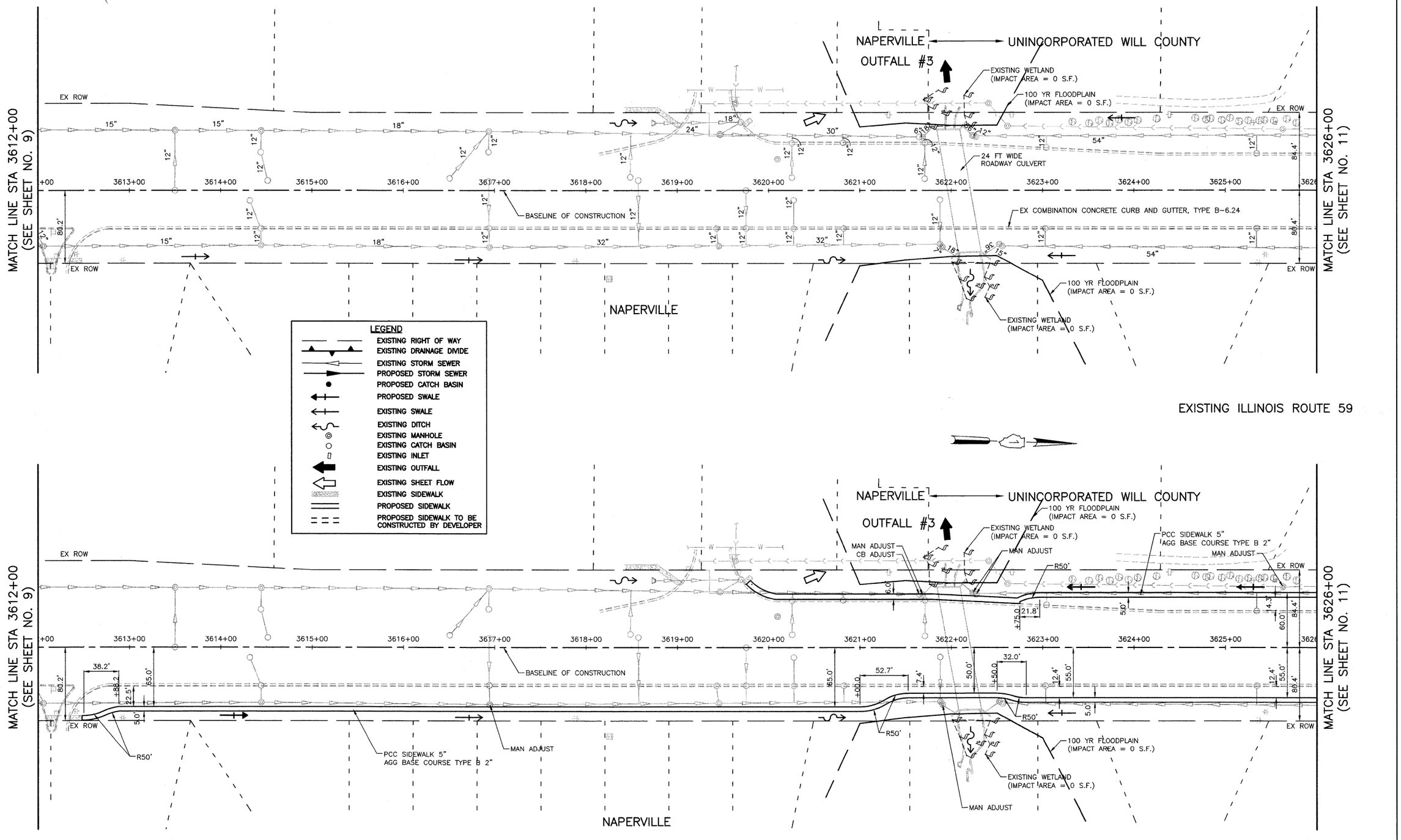
CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3598+00 TO STA. 3612+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	9
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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DRAWN	BLG	REVISED -
CHECKED	RTM	REVISED -
DATE	8/13/2009	REVISED -

CITY OF NAPERVILLE

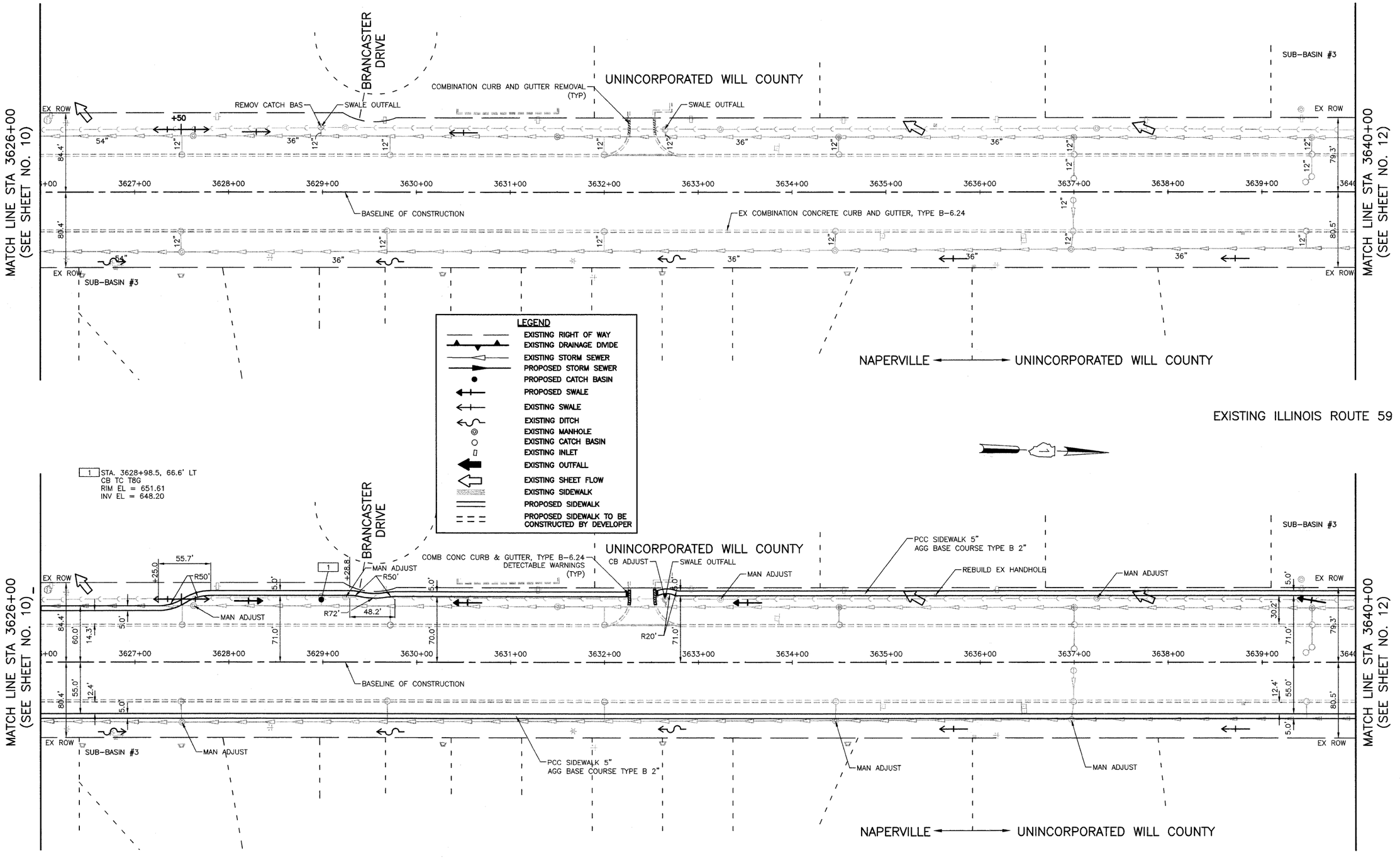
EXISTING AND PROPOSED SIDEWALK PLAN

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3612+00 TO STA. 3626+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	10
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



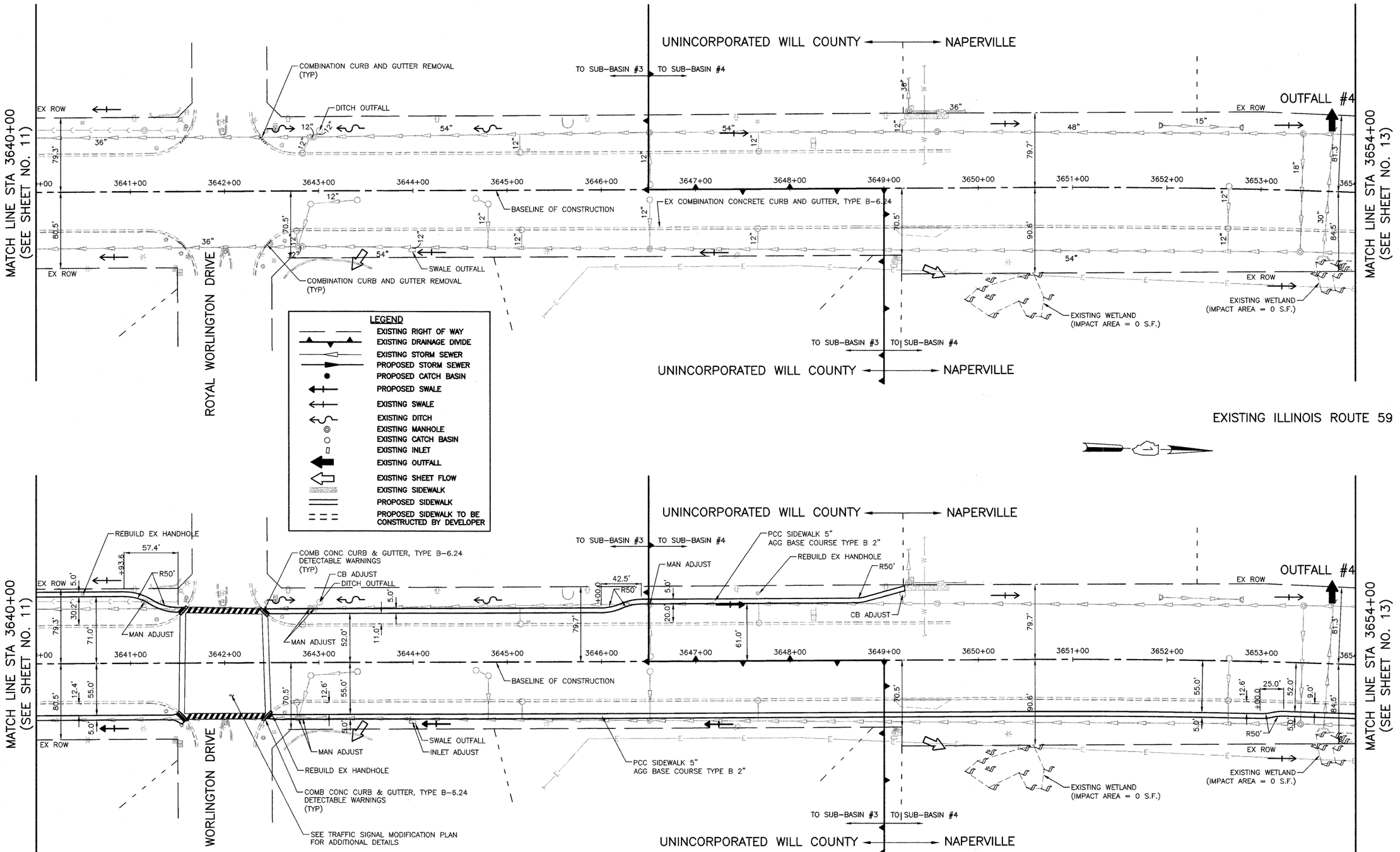
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DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

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CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: 1"=50' | STA. 3626+00 TO STA. 3640+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	11
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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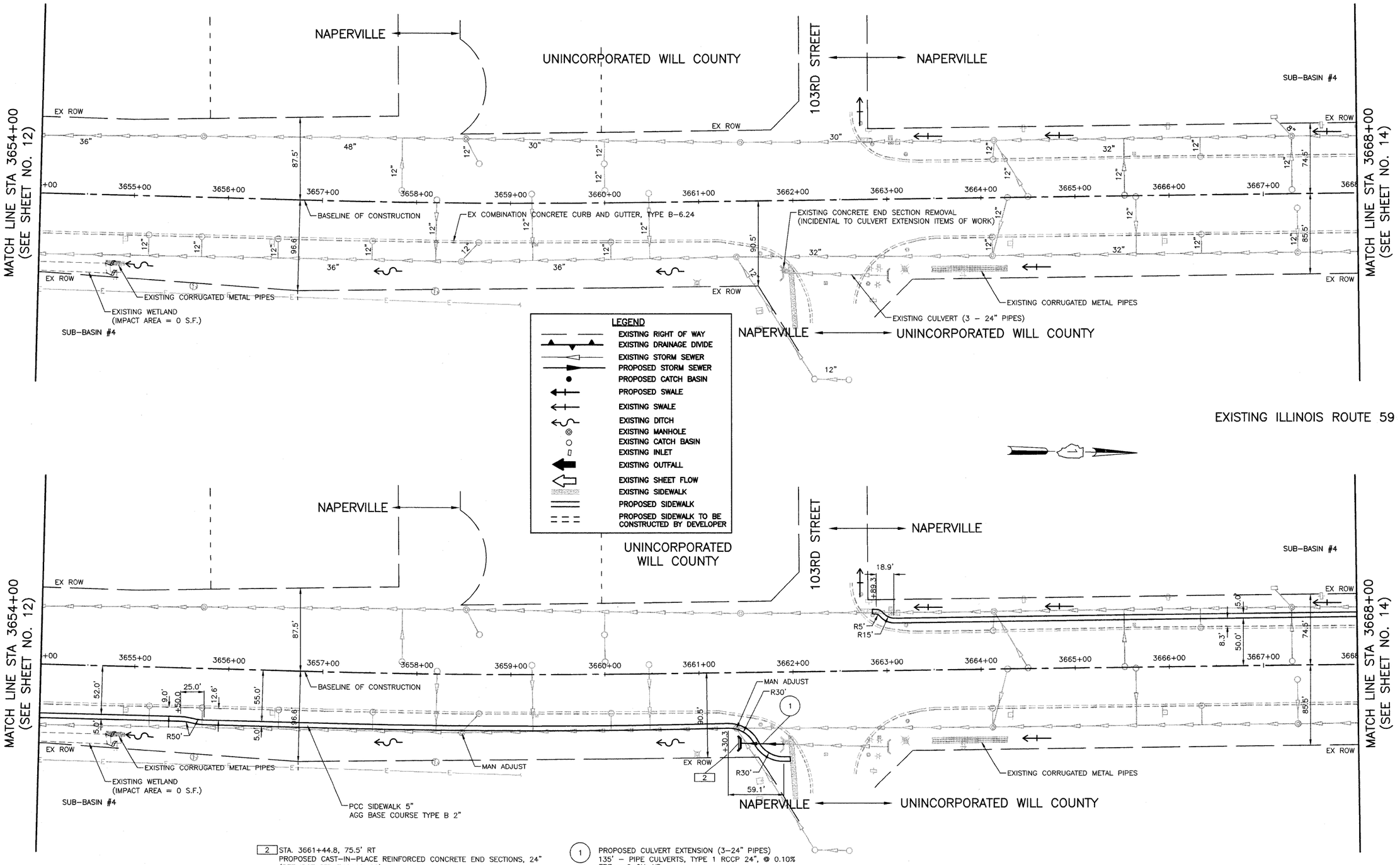
DESIGNED	BLG	REVISED	-
DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3640+00 TO STA. 3654+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	12
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



2 STA. 3661+44.8, 75.5' RT
PROPOSED CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS, 24"
(REF IDOT STD 542116-02)
INV EL = 665.17

1 PROPOSED CULVERT EXTENSION (3-24" PIPES)
135' - PIPE CULVERTS, TYPE 1 RCCP 24", @ 0.10%
TBF = 9 CU. YD.

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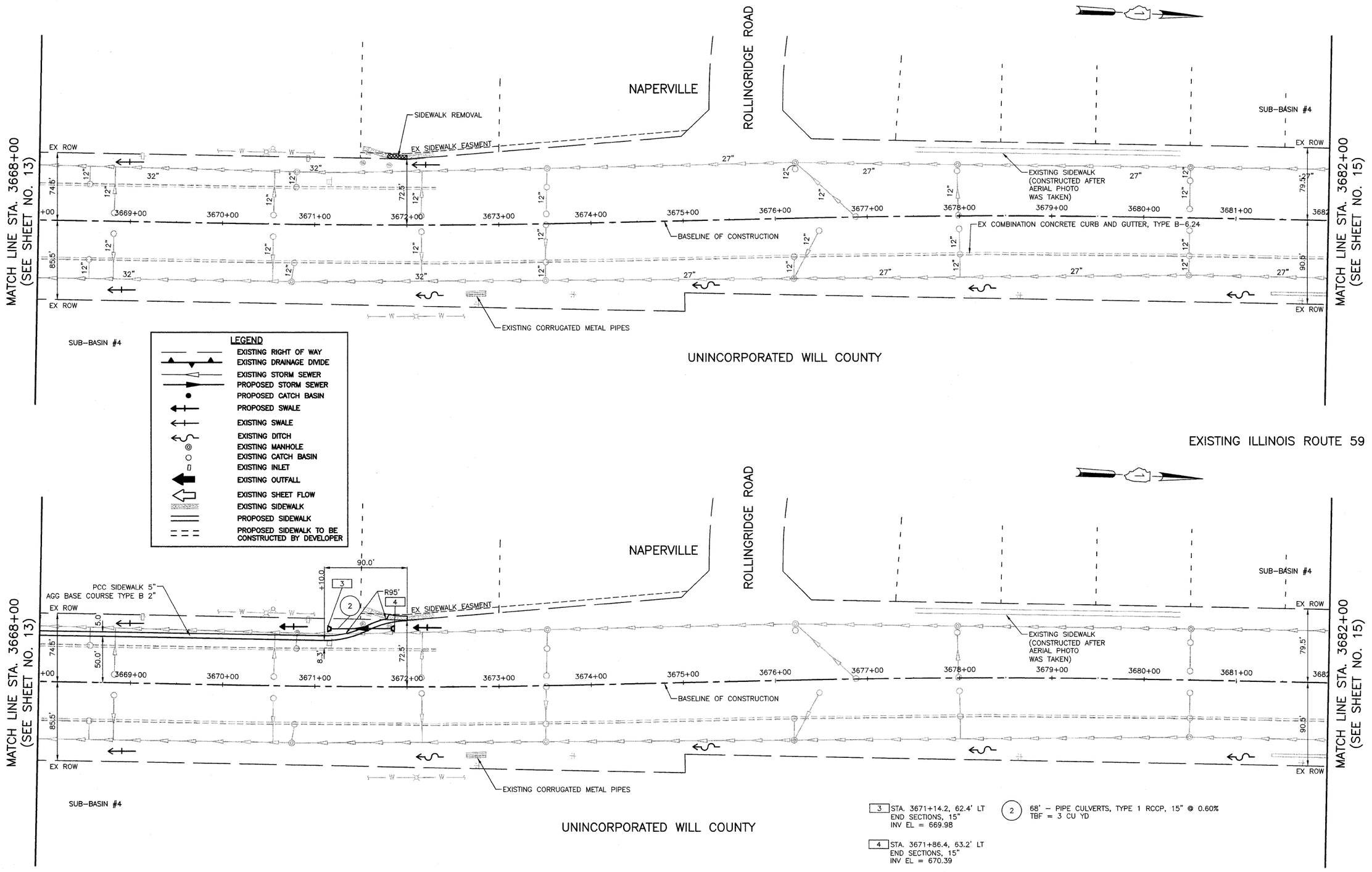
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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3654+00 TO STA. 3668+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	13
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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DATE	8/13/2009	REVISED	-

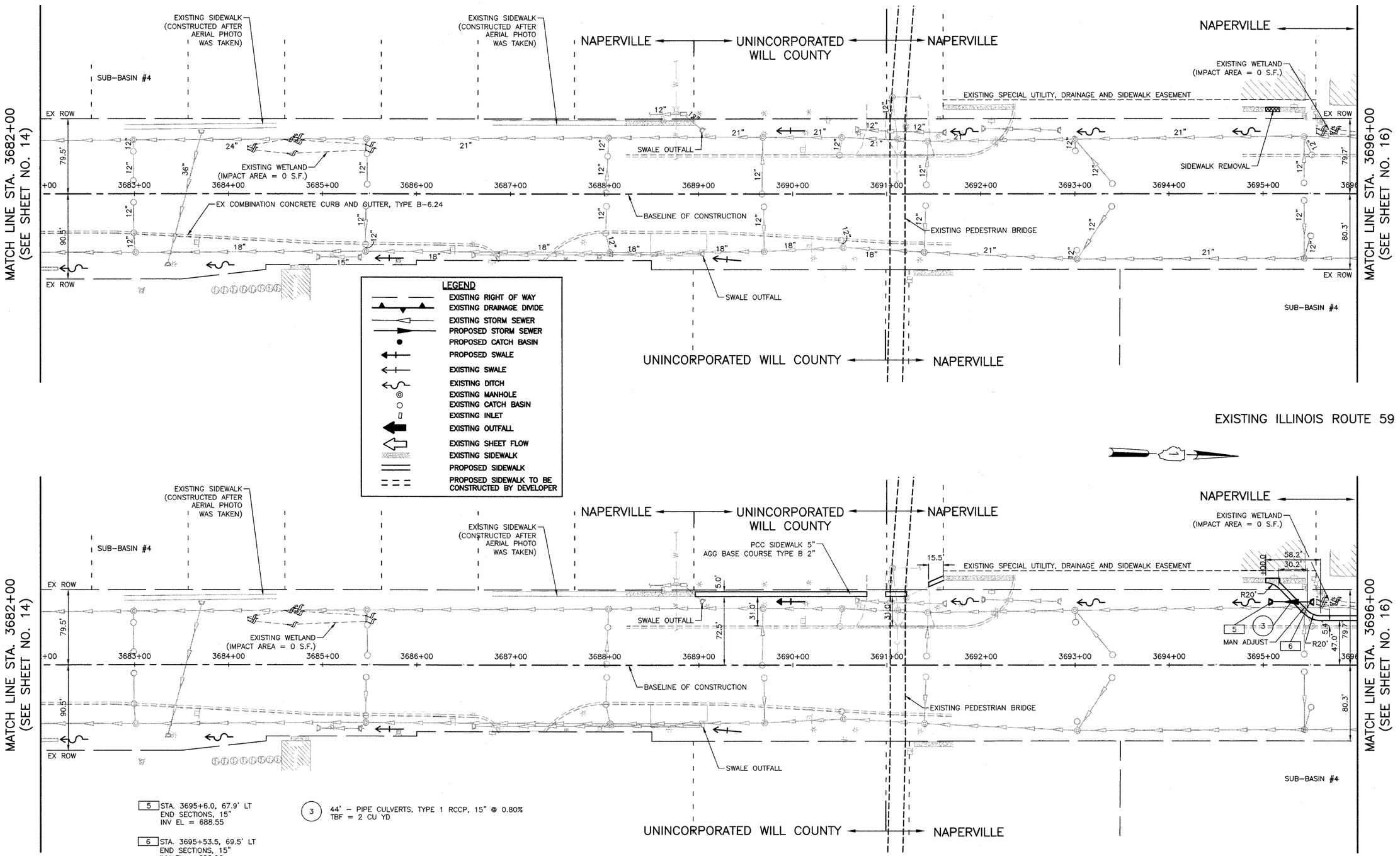
CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3668+00 TO STA. 3682+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	14
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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DATE	8/13/2009	REVISED	-

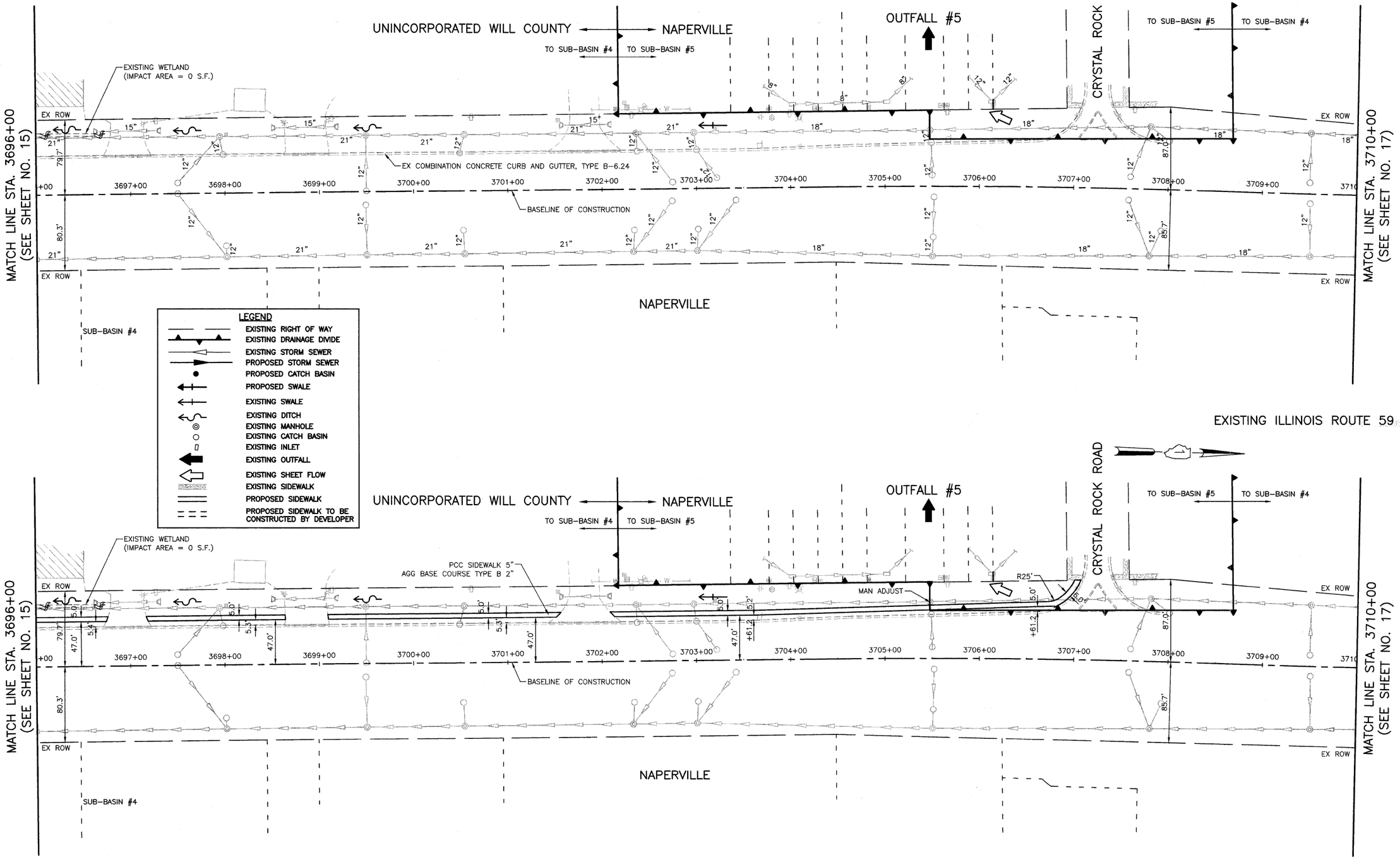
CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3682+00 TO STA. 3696+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	15
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



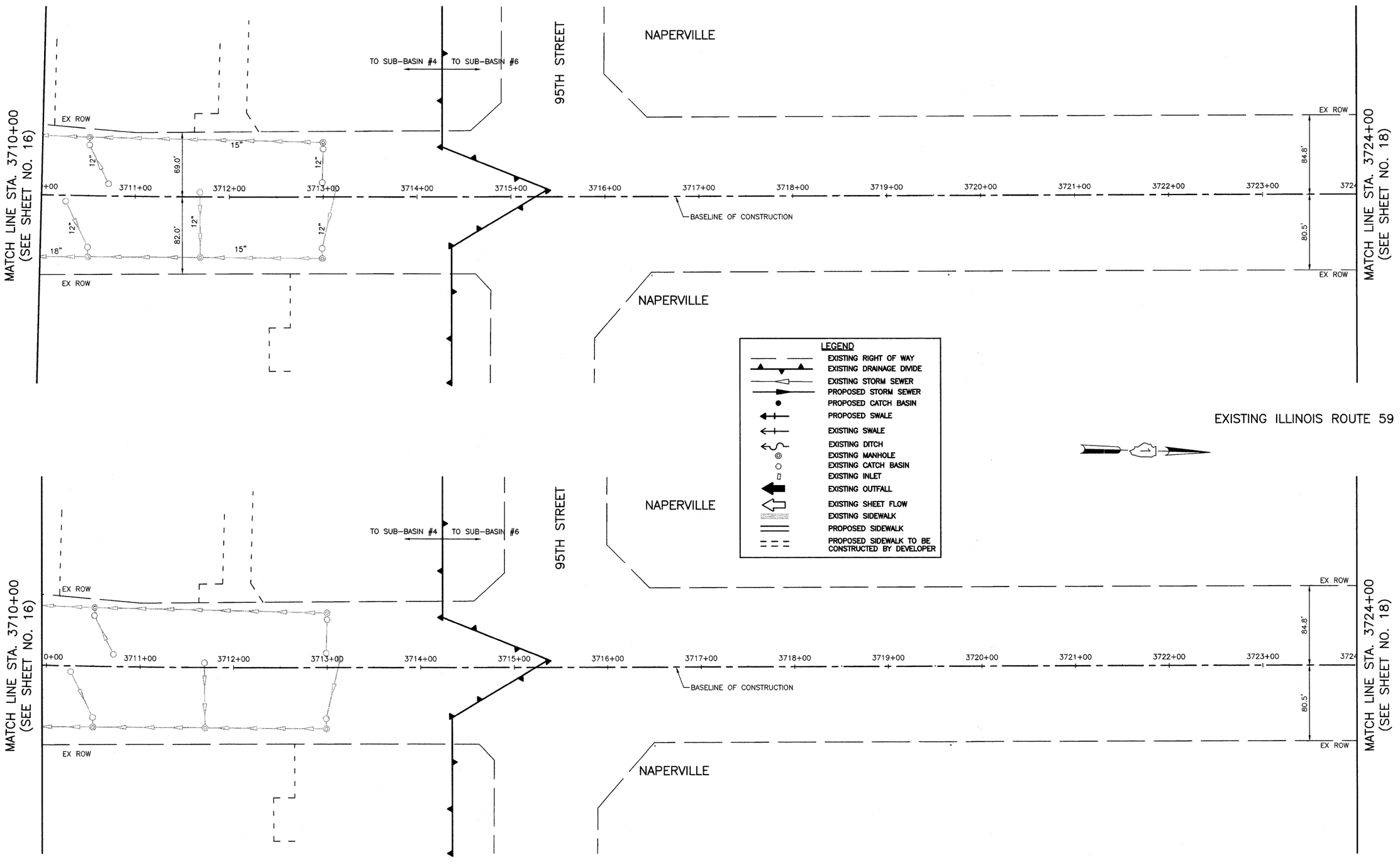
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DESIGNED	BLG	REVISED	-
DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: 1"=50' | STA. 3696+00 TO STA. 3710+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	16
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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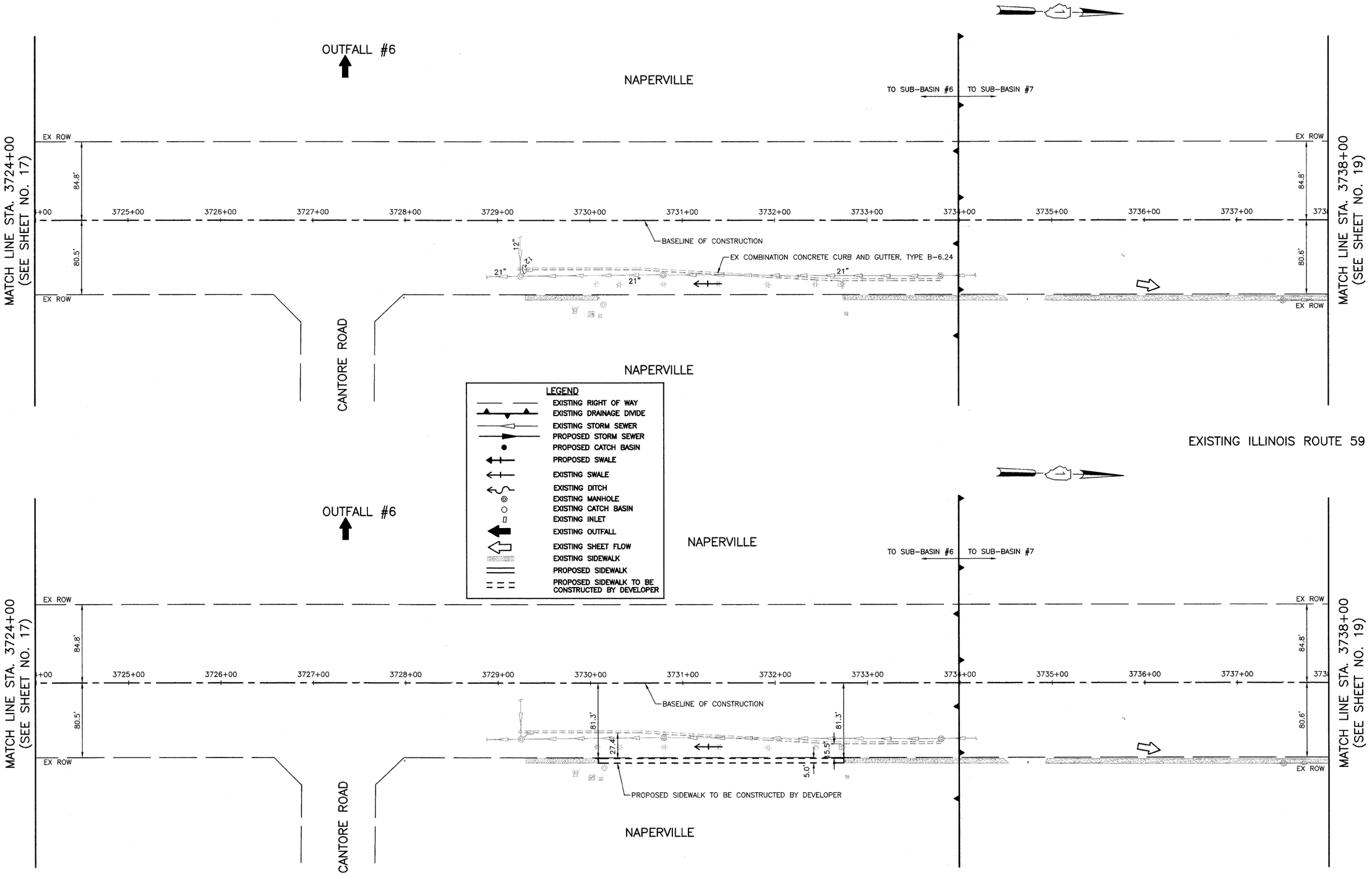
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DRAWN	BLG	REVISED -
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DATE	8/13/2009	REVISED -

CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3710+00 TO STA. 3724+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	17
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



EXISTING ILLINOIS ROUTE 59

PROPOSED ILLINOIS ROUTE 59

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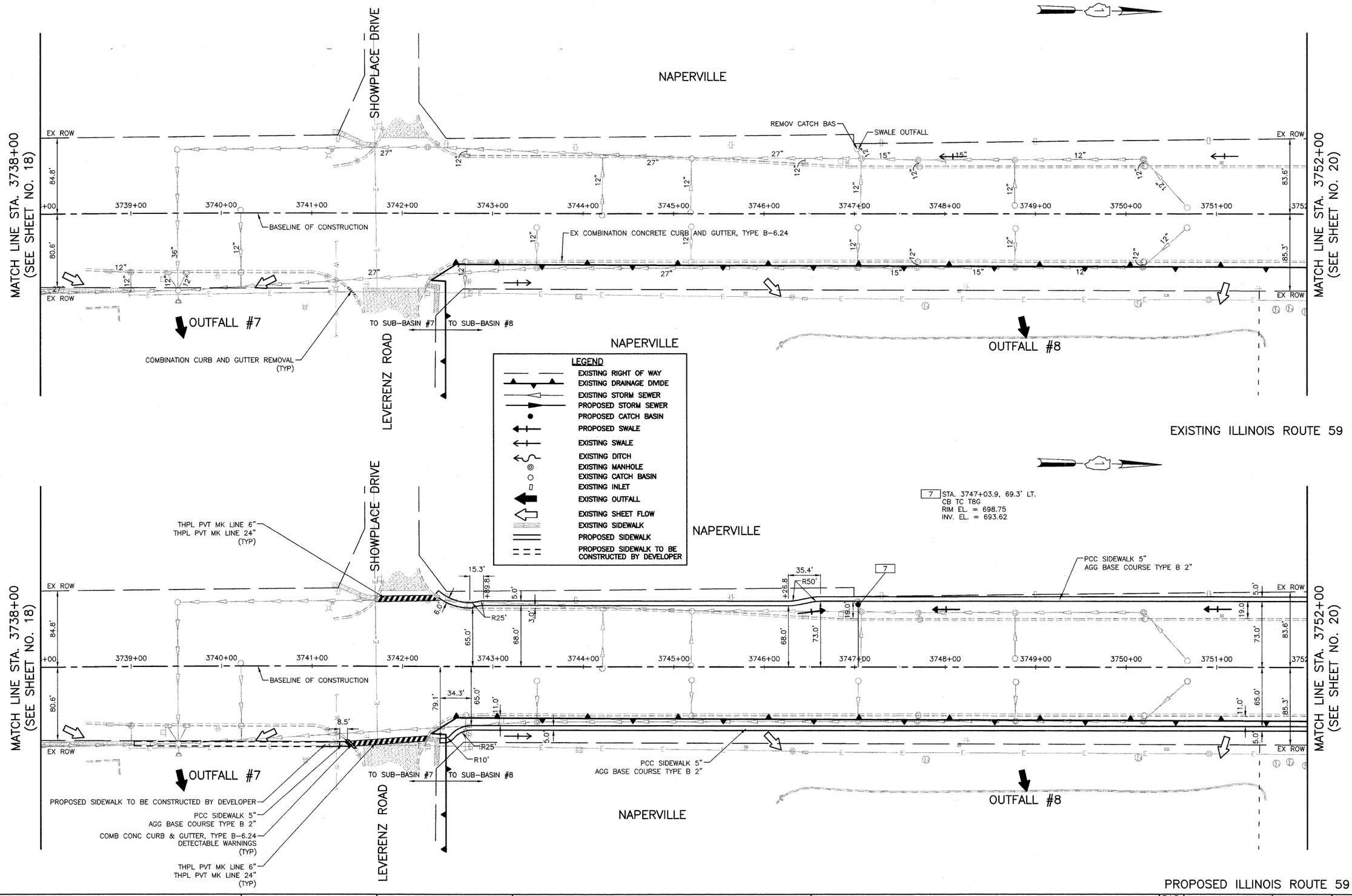
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DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3724+00 TO STA. 3738+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	18
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

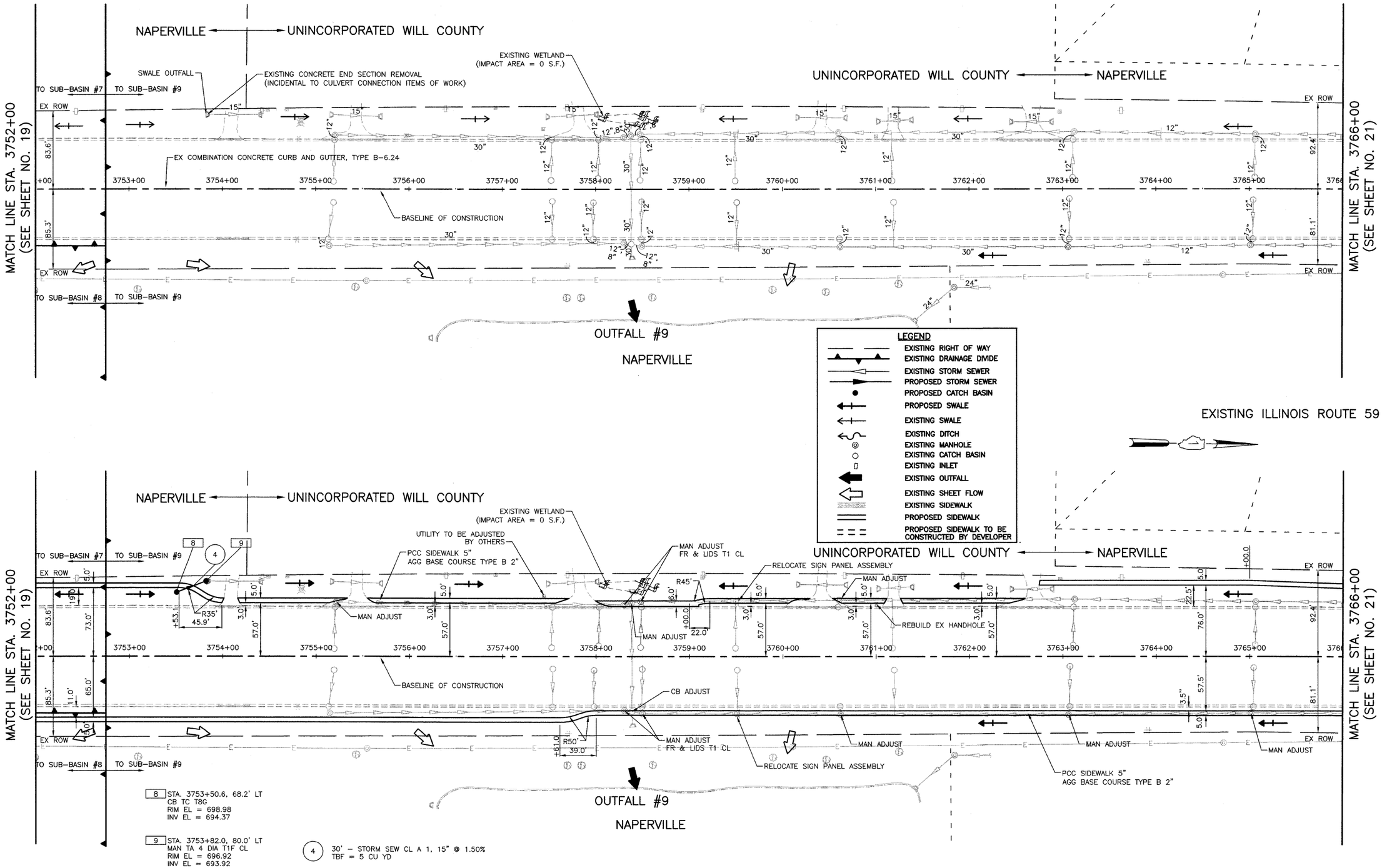


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		DATE 8/13/2009	REVISED -

CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: 1"=50' | STA. 3738+00 TO STA. 3752+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	19
			CONTRACT NO. 63224	
FED. ROAD DIST. NO. 1	ILLINOIS			



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DATE	8/13/2009	REVISED	-

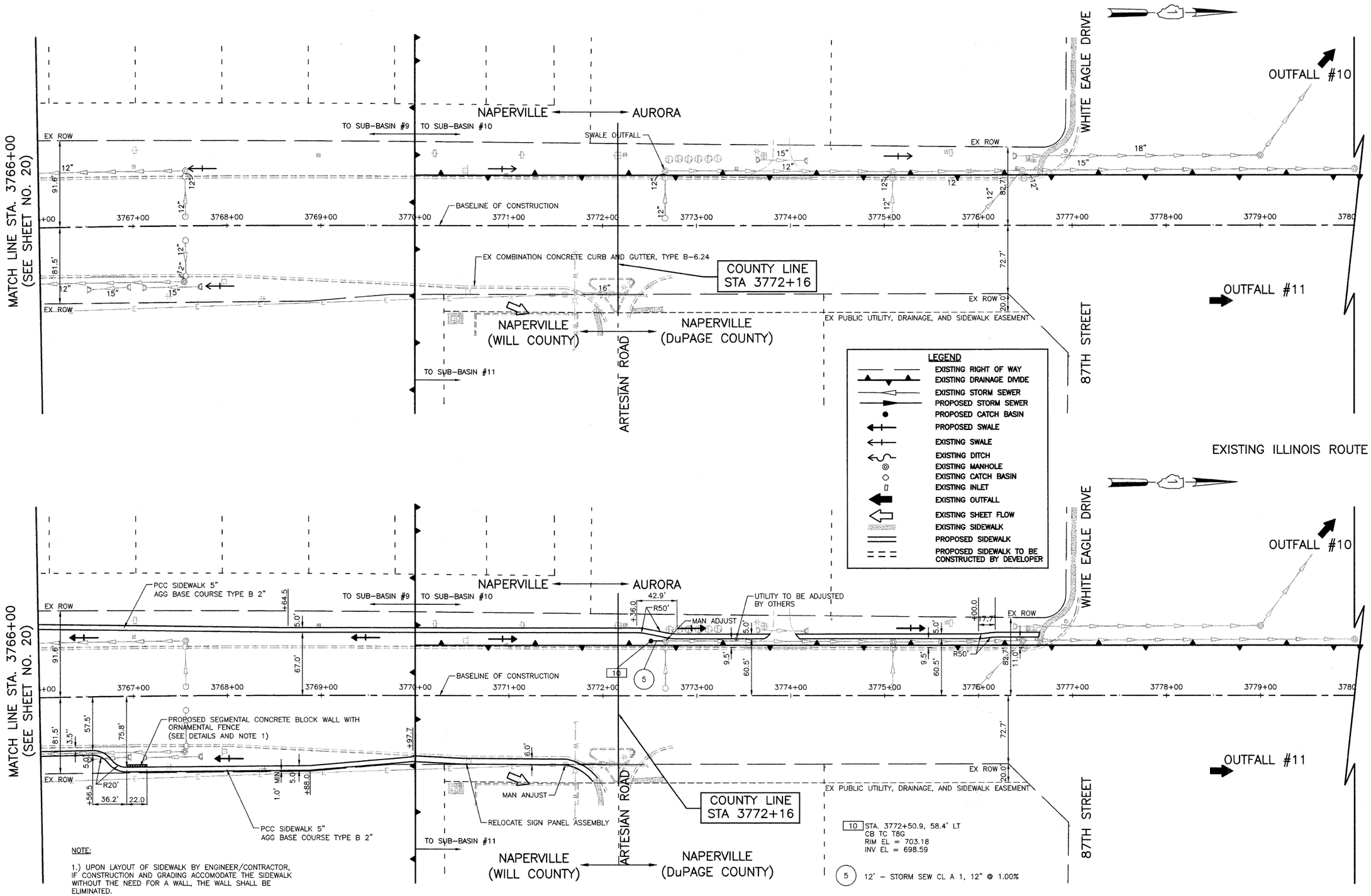
CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3752+00 TO STA. 3766+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	20
			CONTRACT NO. 63224	
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



NOTE:

1.) UPON LAYOUT OF SIDEWALK BY ENGINEER/CONTRACTOR, IF CONSTRUCTION AND GRADING ACCOMODATE THE SIDEWALK WITHOUT THE NEED FOR A WALL, THE WALL SHALL BE ELIMINATED.

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DATE	8/13/2009	REVISED	-

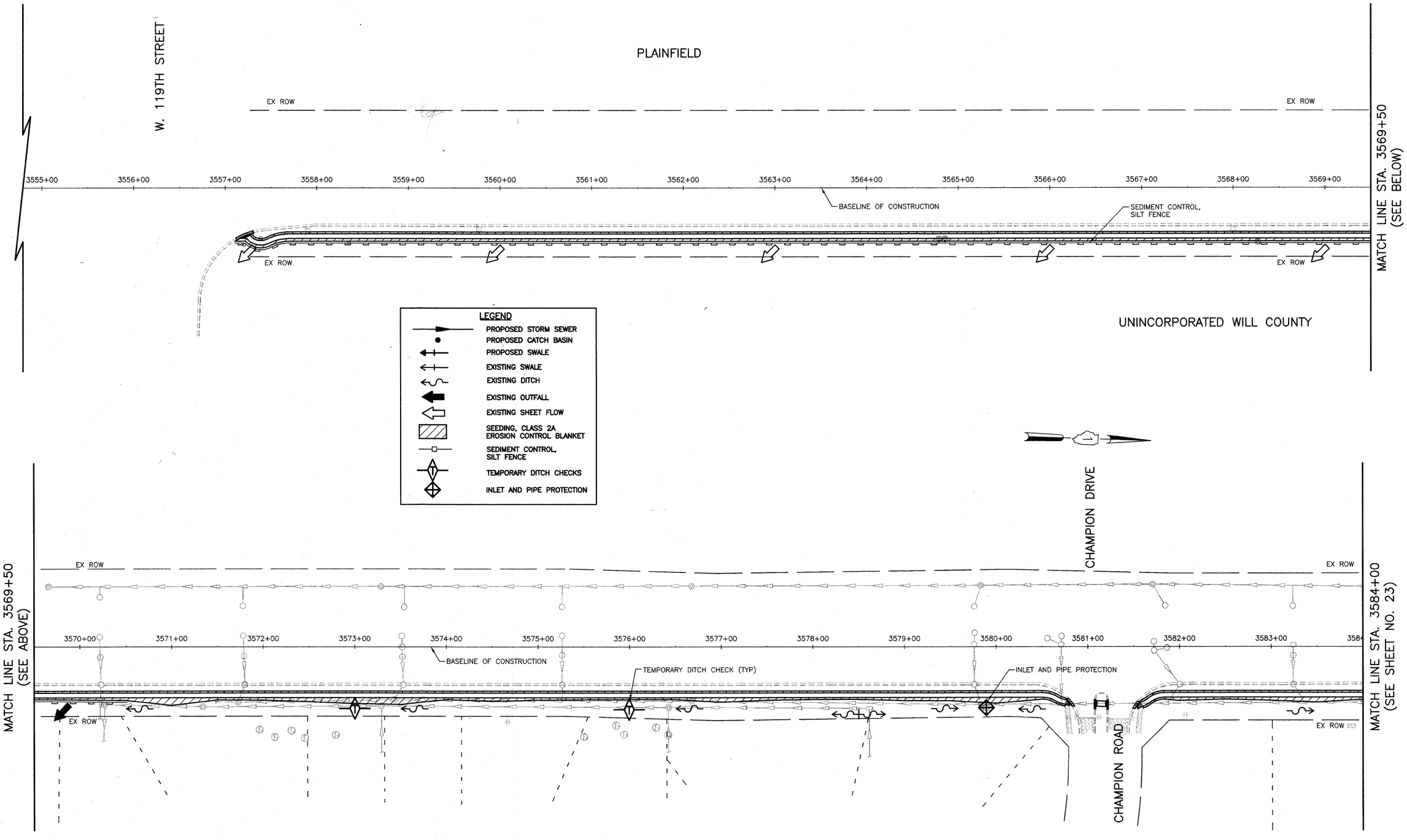
CITY OF NAPERVILLE

EXISTING AND PROPOSED SIDEWALK PLAN

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3766+00 TO STA. 3780+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	21
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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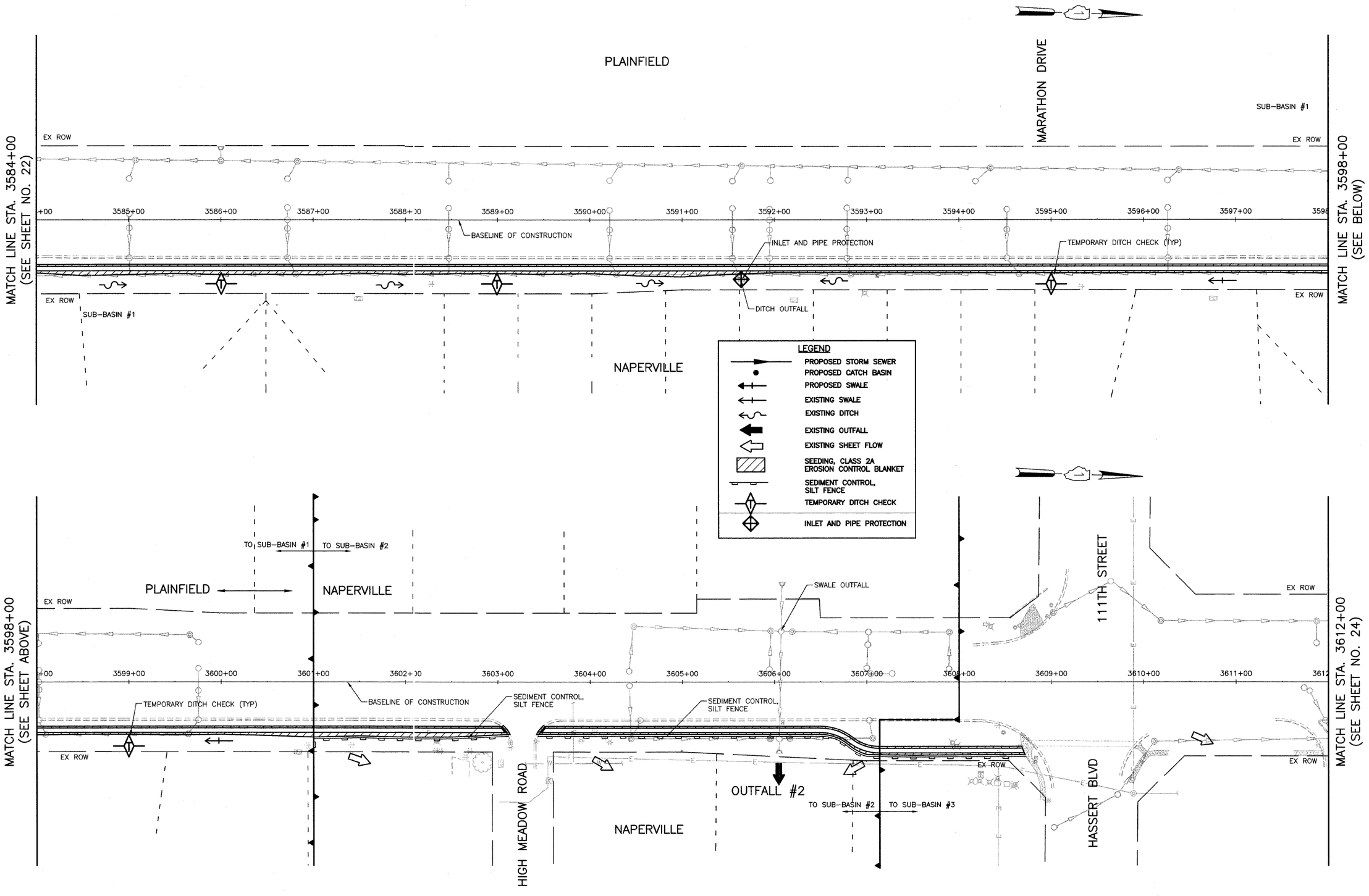
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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

LANDSCAPING AND EROSION CONTROL
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3555+00 TO STA. 3584+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	22
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



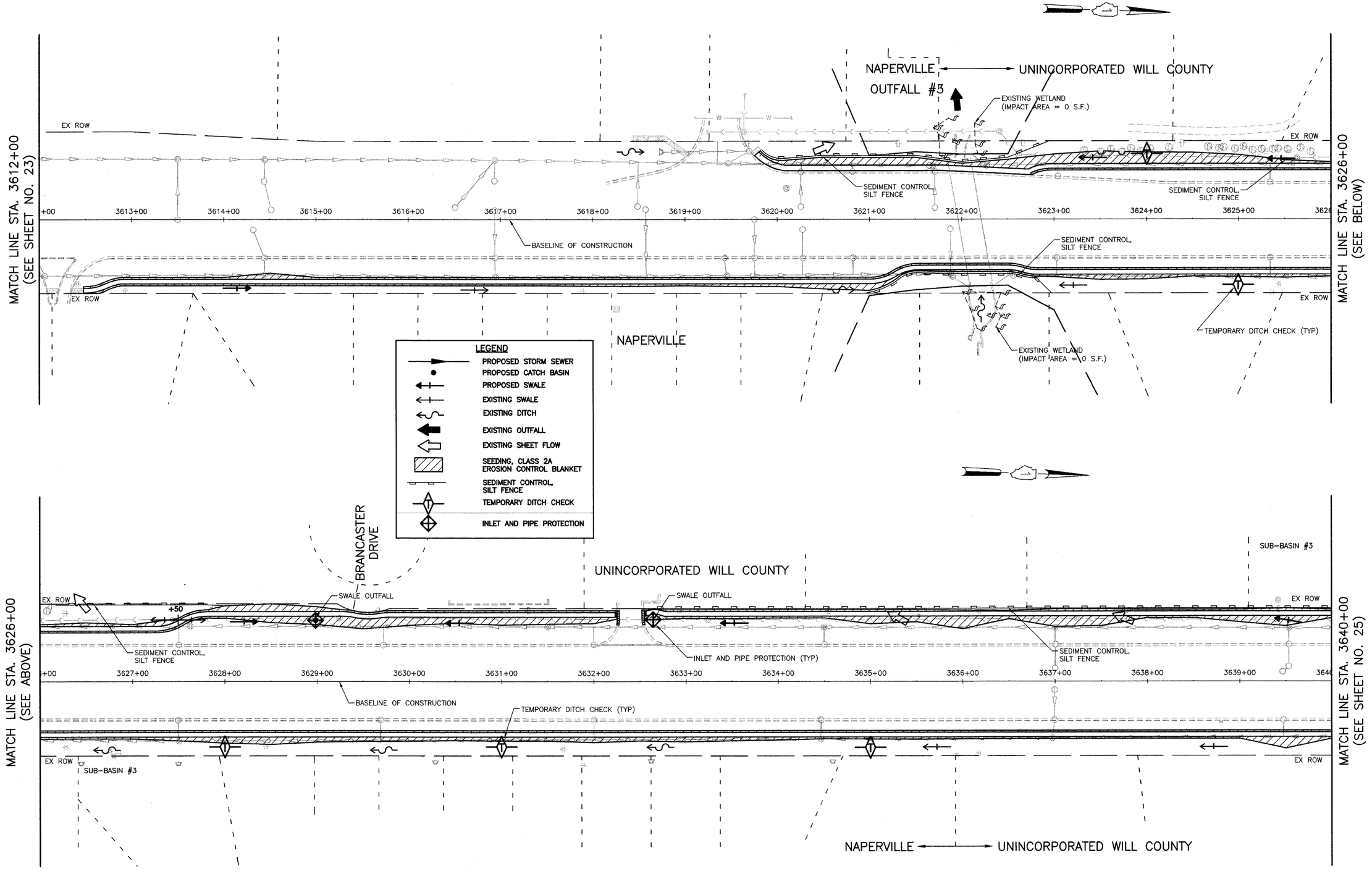
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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

LANDSCAPING AND EROSION CONTROL
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: 1"=50' | STA. 3584+00 TO STA. 3612+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	23
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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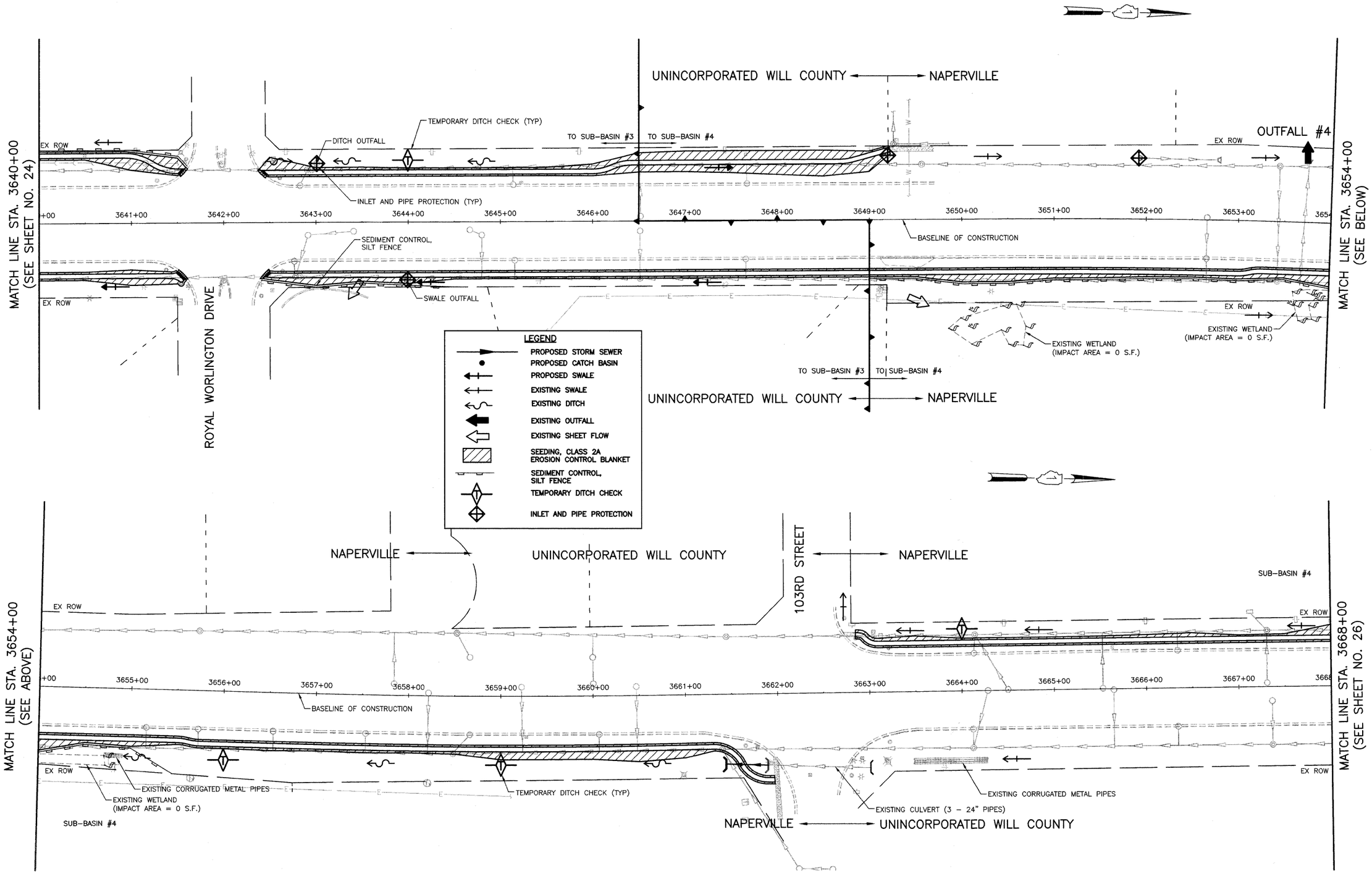
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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

LANDSCAPING AND EROSION CONTROL
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3612+00 TO STA. 3640+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	24
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



ILLINOIS ROUTE 59

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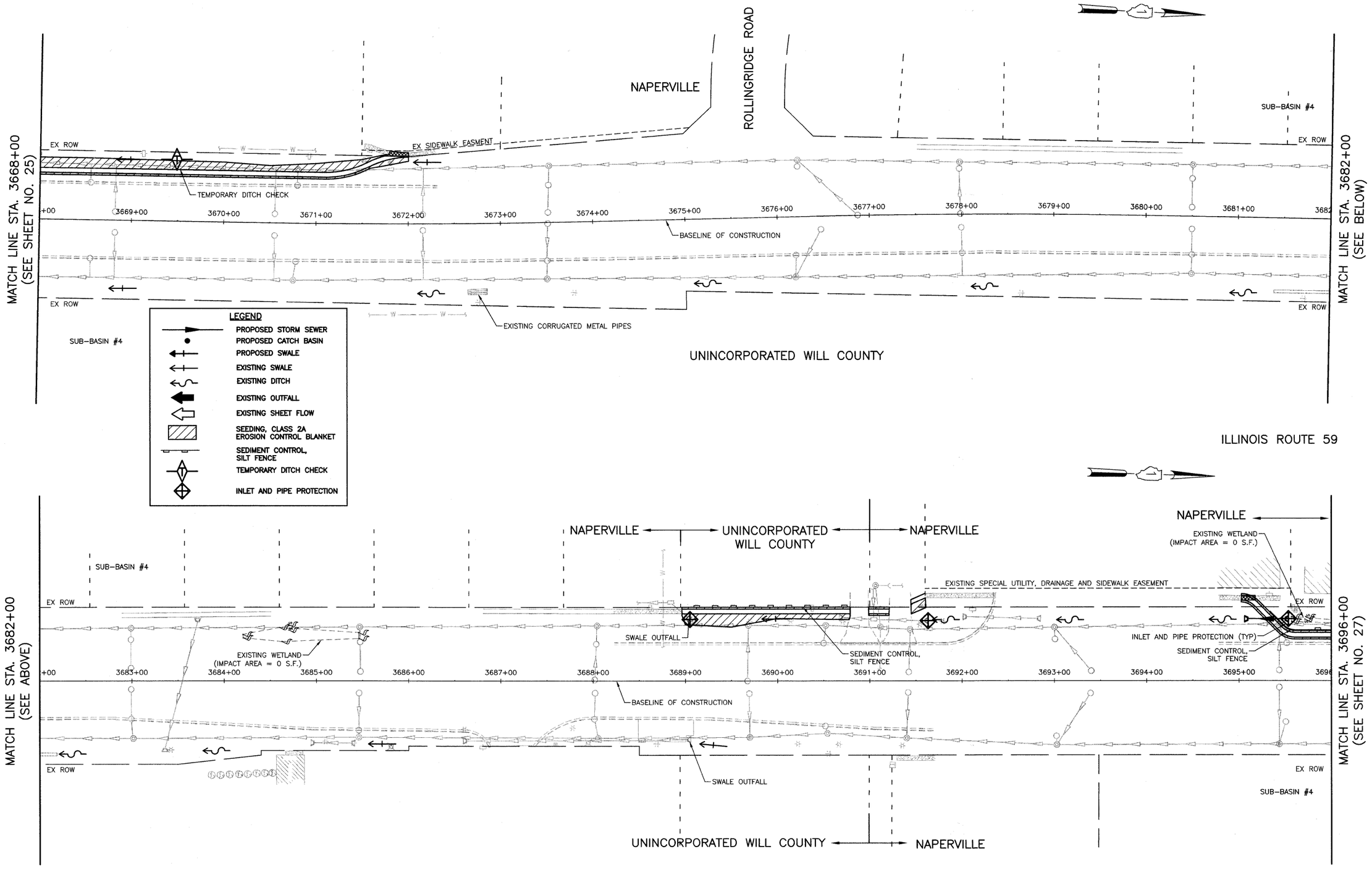
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CHECKED	RTM	REVISED -
DATE	8/13/2009	REVISED -

CITY OF NAPERVILLE

LANDSCAPING AND EROSION CONTROL
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3640+00 TO STA. 3668+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	25
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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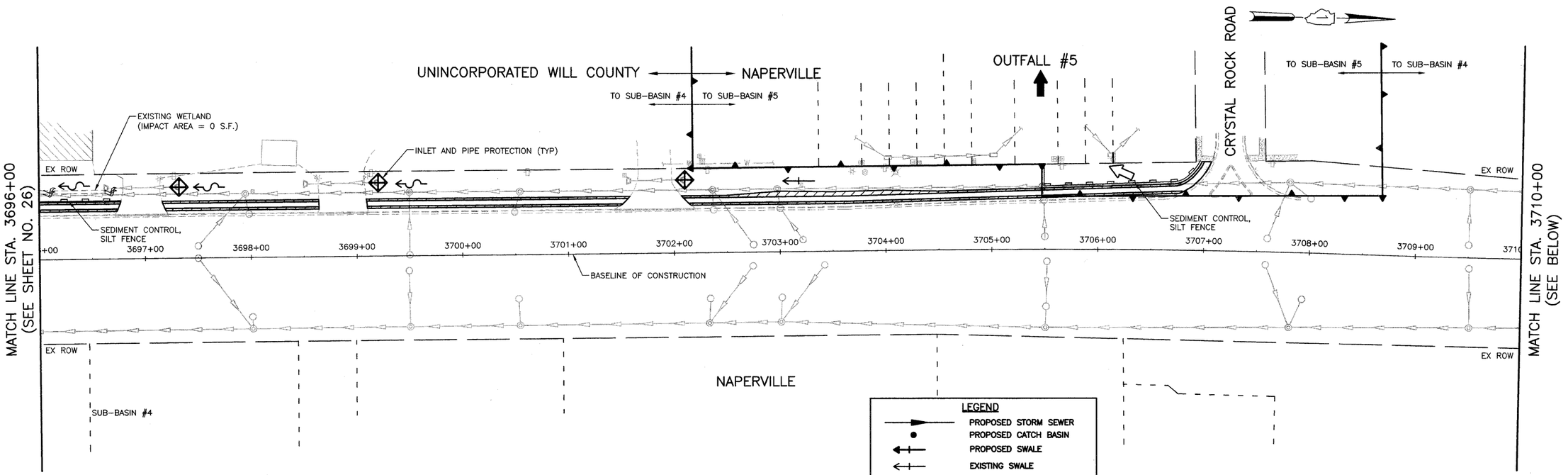
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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

LANDSCAPING AND EROSION CONTROL
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3668+00 TO STA. 3696+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07–00136–00–SW	WILL & DUPAGE	88	26
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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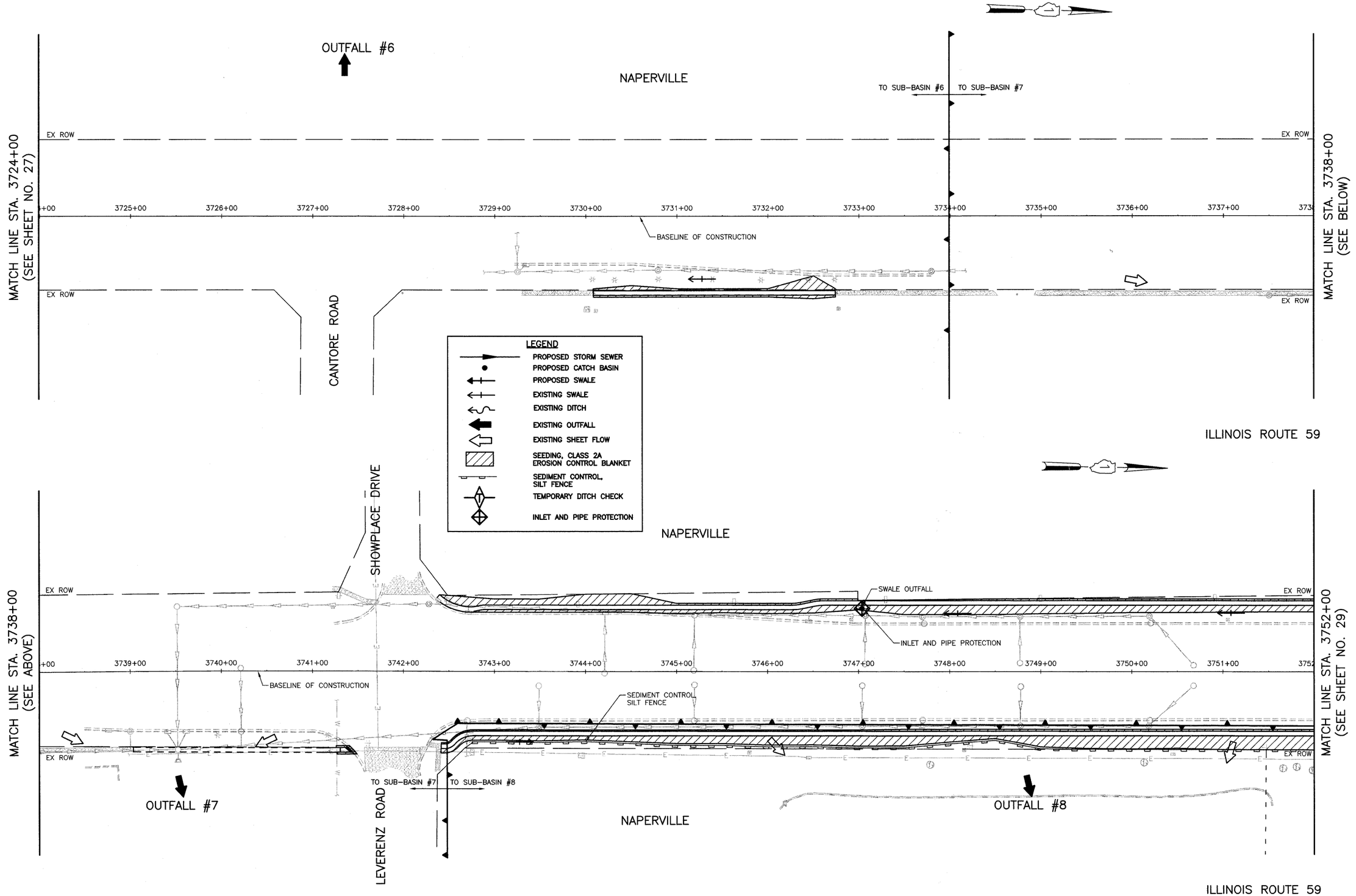
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DRAWN	BLG	REVISED	-
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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

LANDSCAPING AND EROSION CONTROL
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3696+00 TO STA. 3724+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	27
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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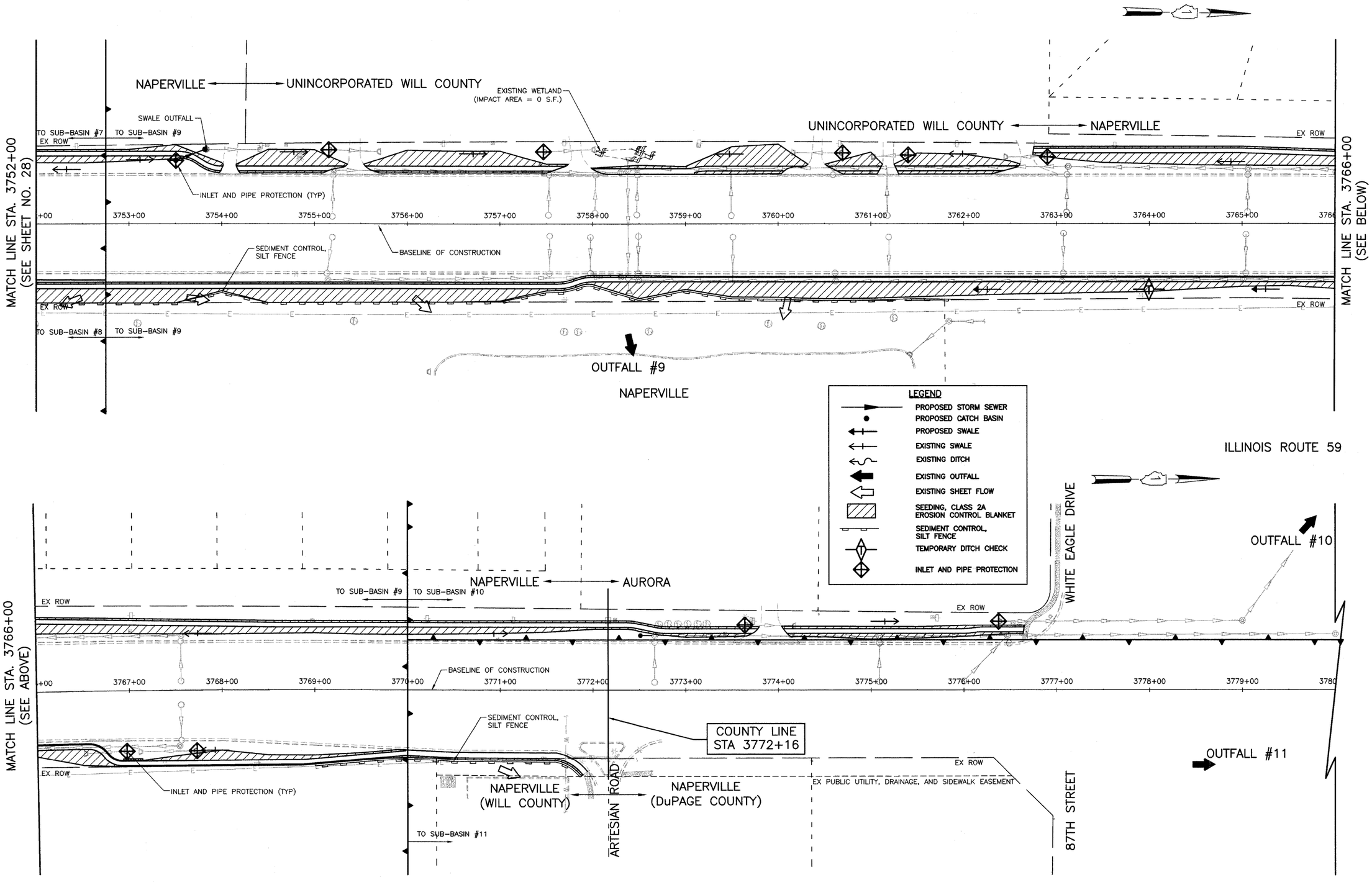
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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

LANDSCAPING AND EROSION CONTROL
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3724+00 TO STA. 3752+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	28
			CONTRACT NO. 63224	
FED. ROAD DIST. NO. 1	ILLINOIS			



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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

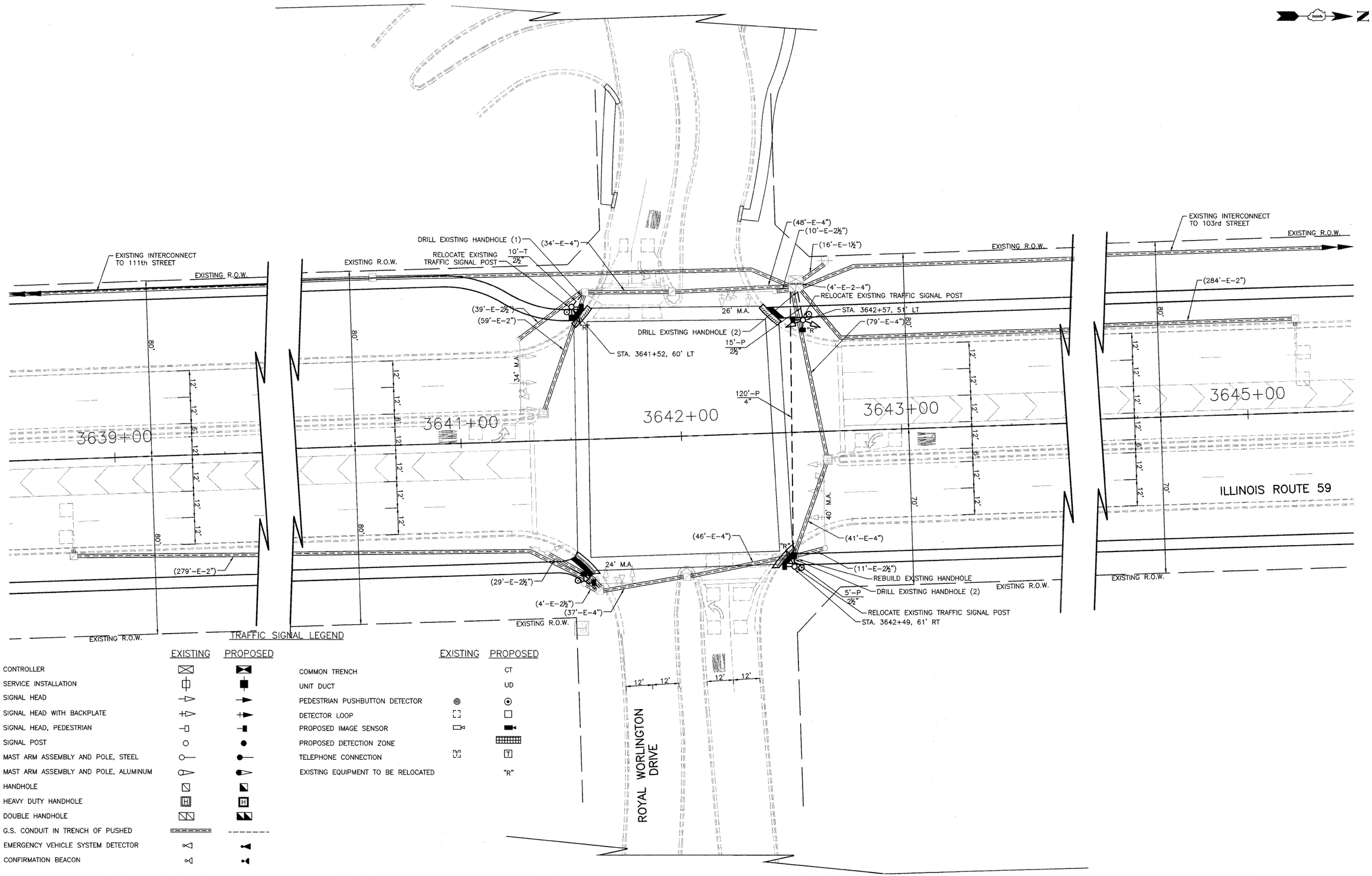
CITY OF NAPERVILLE

LANDSCAPING AND EROSION CONTROL
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: 1"=50' | STA. 3752+00 TO STA. 3780+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	29
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



TRAFFIC SIGNAL LEGEND

	EXISTING	PROPOSED
CONTROLLER	⊠	■
SERVICE INSTALLATION	⊓	▮
SIGNAL HEAD	▷	▶
SIGNAL HEAD WITH BACKPLATE	▷	▶
SIGNAL HEAD, PEDESTRIAN	▯	▮
SIGNAL POST	○	●
MAST ARM ASSEMBLY AND POLE, STEEL	○—	●—
MAST ARM ASSEMBLY AND POLE, ALUMINUM	○—	●—
HANDHOLE	▨	◪
HEAVY DUTY HANDHOLE	H	H
DOUBLE HANDHOLE	▨▨	◪◪
G.S. CONDUIT IN TRENCH OF PUSHED	═══	-------
EMERGENCY VEHICLE SYSTEM DETECTOR	◁	◀
CONFIRMATION BEACON	◁	◀

	EXISTING	PROPOSED
COMMON TRENCH		CT
UNIT DUCT		UD
PEDESTRIAN PUSHBUTTON DETECTOR	◎	⊙
DETECTOR LOOP	⊡	□
PROPOSED IMAGE SENSOR	▭◁	▬
PROPOSED DETECTION ZONE		▦
TELEPHONE CONNECTION	T	T
EXISTING EQUIPMENT TO BE RELOCATED		"R"

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CITY OF NAPERVILLE

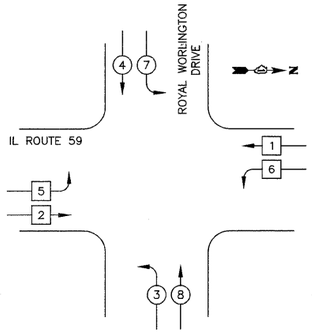
TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 59 AND ROYAL WORLINGTON DRIVE

SCALE: 1"=20'

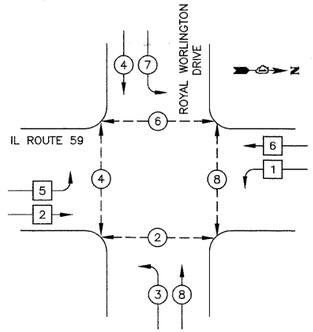
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	30
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

...07_SIGNAL\2264_SIG.dwg[Signal_Xsdf]
PLOTTED: Thursday, 13 Aug 2009 - 11:01am
SAVED: Wednesday, 12 Aug 2009 - 10:22am

EXISTING CONTROLLER SEQUENCE



PROPOSED CONTROLLER SEQUENCE

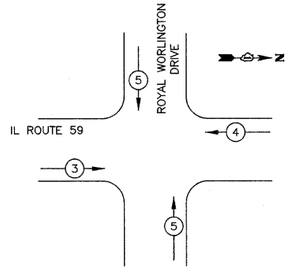


LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OL — OVERLAP
- PEDESTRIAN MOVEMENT
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

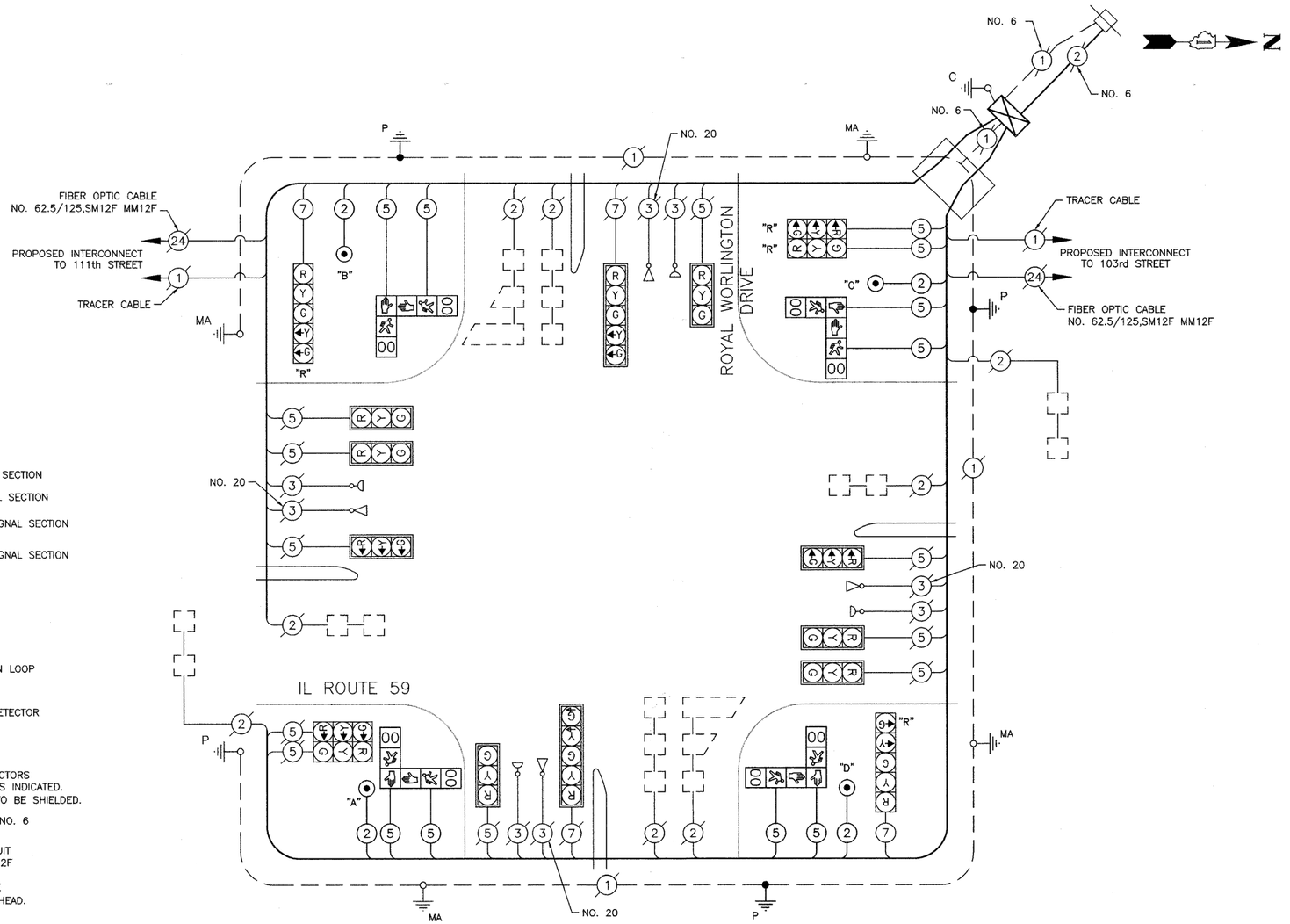
EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	→	←	↑↓

CABLE PLAN LEGEND

EXISTING	PROPOSED	
G	G	8" (200mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
W	W	12" (300mm) PEDESTRIAN SIGNAL SECTION
00	00	12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER
		CONTROLLER CABINET
		SERVICE INSTALLATION
	T	TELEPHONE CONNECTION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
2	2	DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
1	1	GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
24	24	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
R "P"	R "P"	SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD.
"E"		RAILROAD CONTROL CABINET
"E"		ILLUMINATED SIGN, "NO LEFT TURN"
"E"		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
	"R"	EXISTING EQUIPMENT TO BE RELOCATED



CABLE PLAN
NOT TO SCALE

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

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	20
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	120
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	10
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	602
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1386
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	317
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	169
CONCRETE FOUNDATION, TYPE A	FOOT	12
DRILL EXISTING HANDHOLE	EACH	5
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
PEDESTRAIN PUSH-BUTTON	EACH	4
RELOCATE EXISTING SIGNAL HEAD	EACH	3
RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	3
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	450
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
REBUILD EXISTING HANDHOLE	EACH	1

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	135	17	50	136
(YELLOW)	16	135	25	25	100
(GREEN)	16	135	15	25	60
ARROW	8	135	12	10	10
PED SIGNAL	8	90	25	100	200
CONTROLLER	1	100	100	100	100
				TOTAL =	606

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096

FOUNDATION (DEPTH)	FT.	(m)
TYPE A - POST	4	(1.2)
D - CONTROLLER	4	(1.2)
E - M. ARM POLE		
24" (600mm)	10	(3.0)
30" (750mm)	15	(4.6)
36" (900mm)	15	(4.6)

CABLE SLACK	FT.	(m)
HANDHOLE	6.5	(2.0)
DOUBLE HANDHOLE	13	(4.0)
SIGNAL POST	2	(1.0)
CONTROLLER CAB.	1	(0.5)
FIBER OPTIC	13	(4.0)
ELECTRIC SERVICE	1	(0.5)
GROUND CABLE	1	(0.5)

VERTICAL	FT.	(m)
ALL FOUNDATIONS	3.5	(2.0)
MAST ARM (L) POLE	20'+L-2=	(6m+L-0.6m)=
BRACKET MOUNTED	13	(4.0)
PED. PUSHBUTTON	4	(1.2)
ELECTRIC SERVICE	13.5	(4.1)
SERVICE TO GROUND	13.5	(4.1)
POST MOUNTED	6	(1.8)

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CITY OF NAPERVILLE

CABLE PLAN
IL ROUTE 59 AND ROYAL WORLINGTON DRIVE
SCALE: NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	31
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

LOOP DETECTOR NOTES

1. 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.

2. 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.

3. 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.

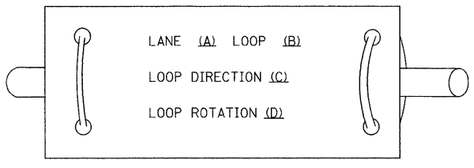
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. 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.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

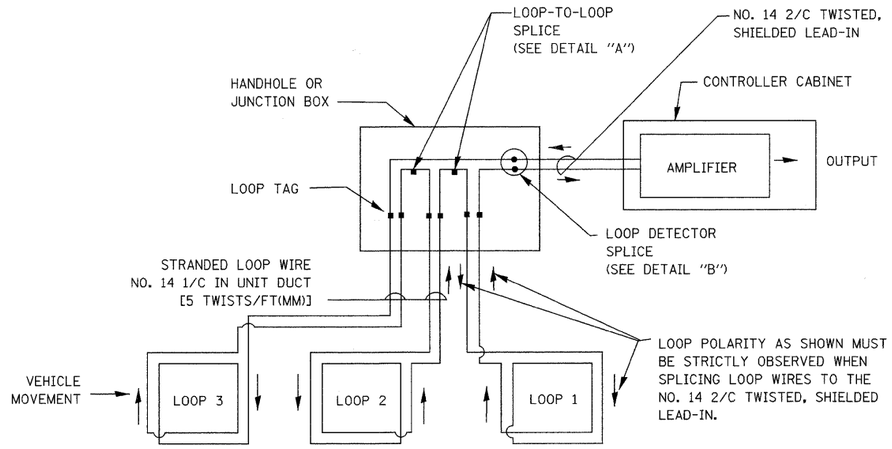


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

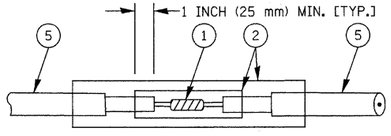
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

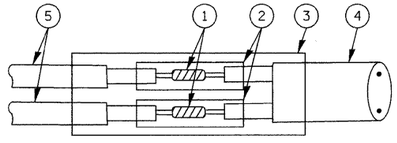


DETECTOR LOOP WIRING SCHEMATIC

- 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.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

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CITY OF NAPERVILLE

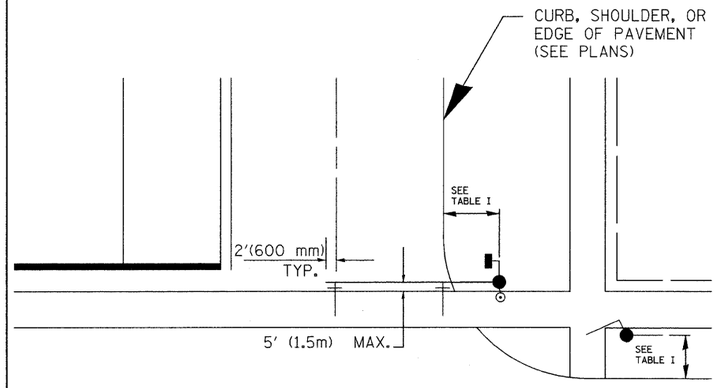
DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS SHEET 1 OF 4

SCALE: NOT TO SCALE

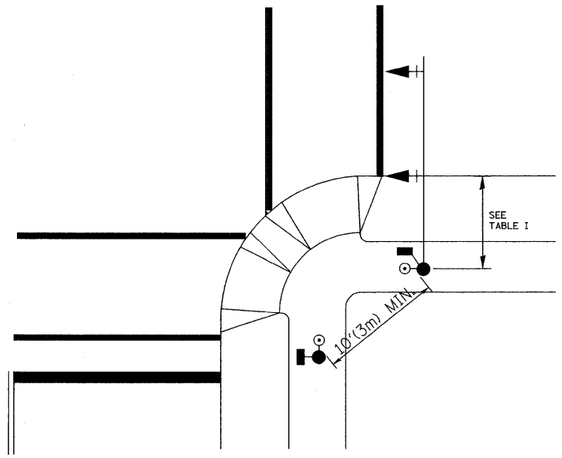
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	32
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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:

1. 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

2. 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.

3. 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.

4. 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

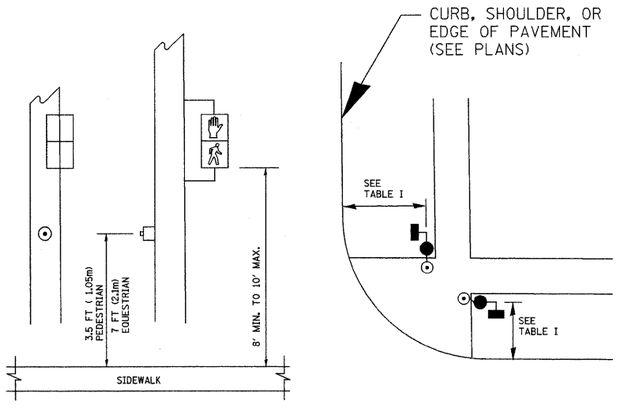


TABLE I

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

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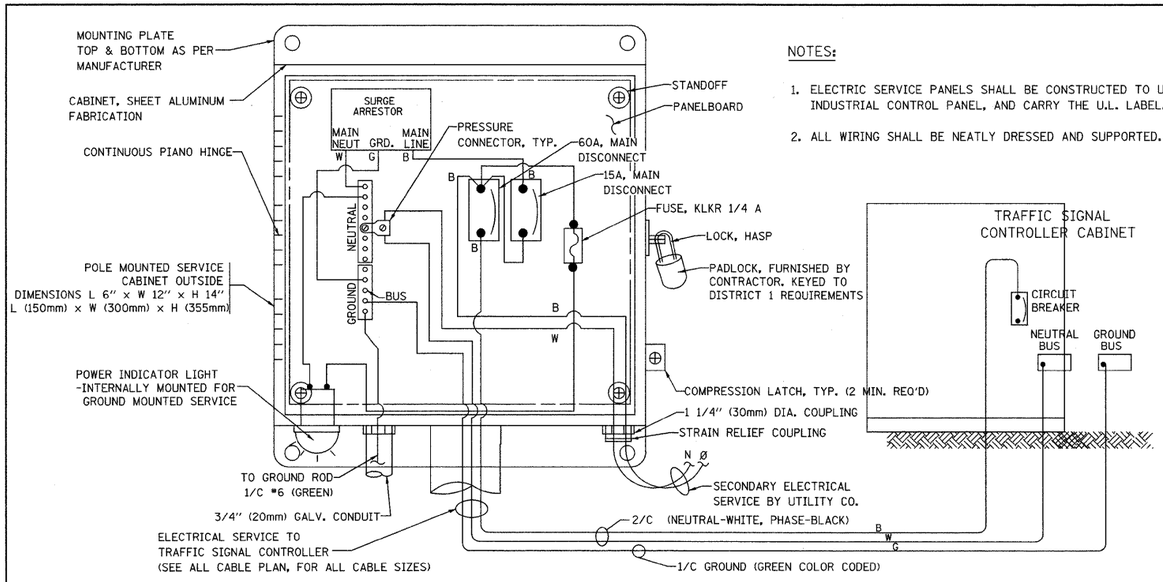
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DRAWN	BLG	REVISED -
CHECKED	RTM	REVISED -
DATE	8/13/2009	REVISED -

CITY OF NAPERVILLE

DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS SHEET 2 OF 4

SCALE: NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	33
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



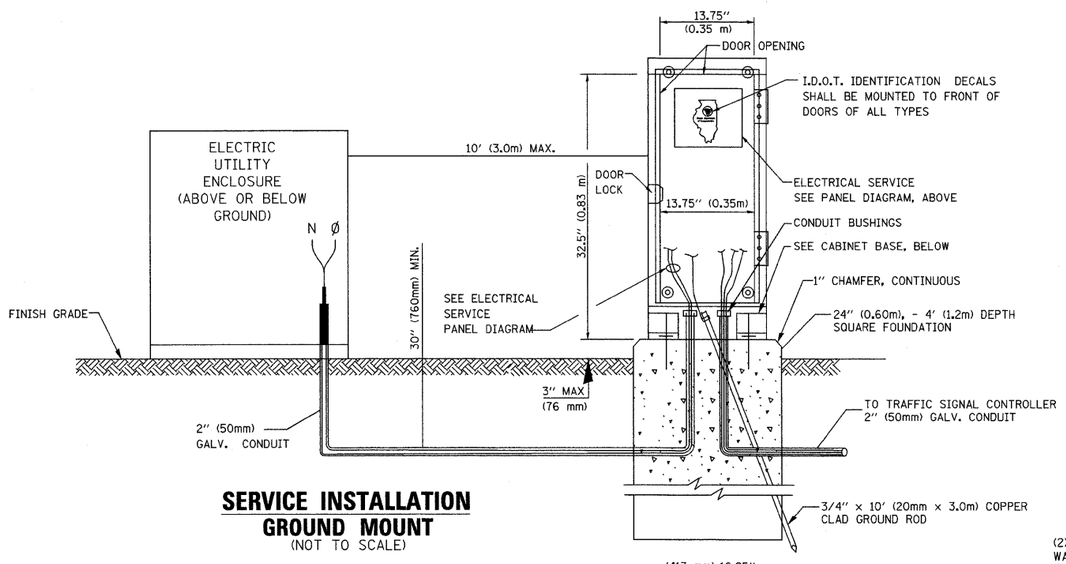
NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

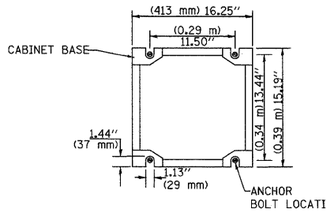
SERVICE INSTALLATI N POLE MOUNT (SHOWN)

(NOI TO SCALE)



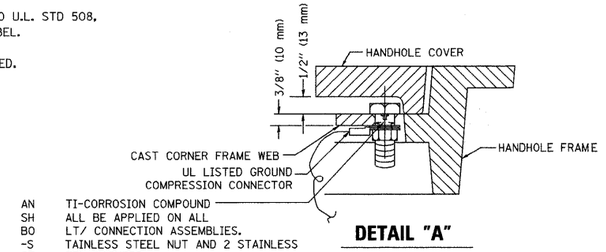
SERVICE INSTALLATION GROUND MOUNT

(NOT TO SCALE)



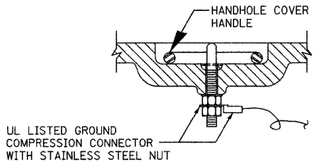
CABINET – BASE BOLT PATTERN

(NOT TO SCALE)

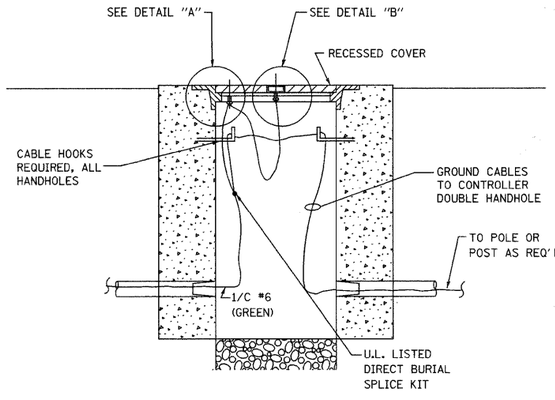


AN TI-CORROSION COMPOUND
SH ALL BE APPLIED ON ALL
BO LT/ CONNECTION ASSEMBLIES.
-S TAINLESS STEEL NUT AND 2 STAINLESS
ST EEL WASHERS

DETAIL "A"

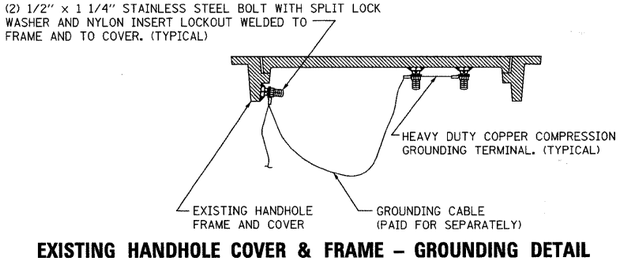


DETAIL "B"



HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



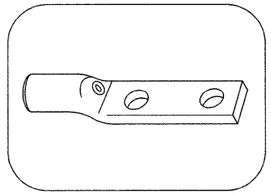
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

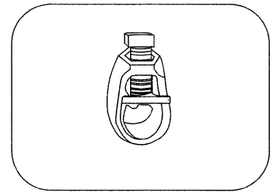
NOTES:

GROUNDING SYSTEM

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



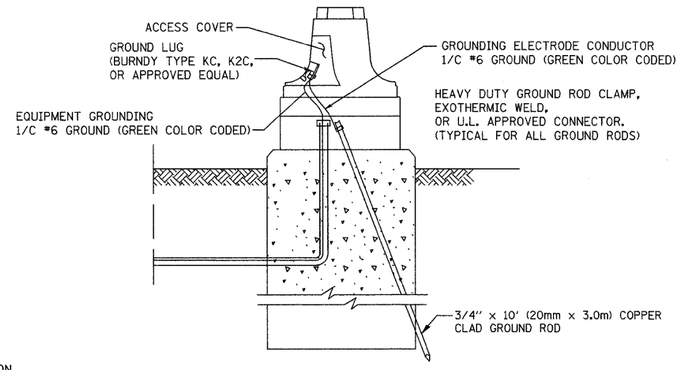
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



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

NOTES:

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



MAST RM POLE / POST–GROUNDING DETAIL

(NOT TO SCALE)

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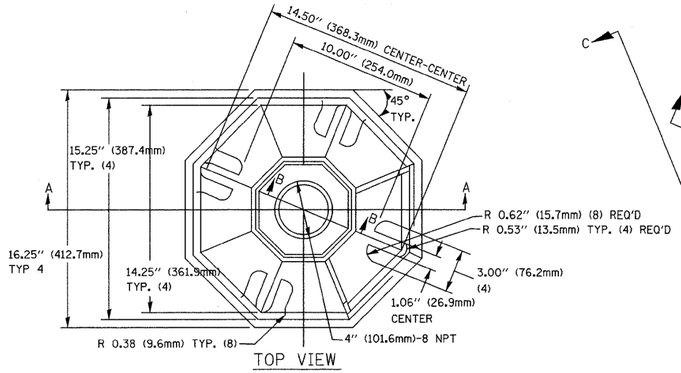
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DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

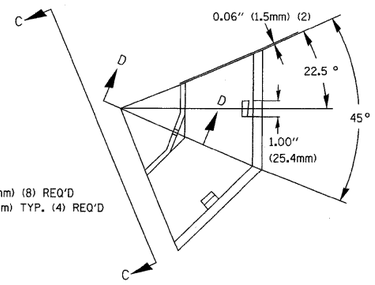
DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS SHEET 3 OF 4

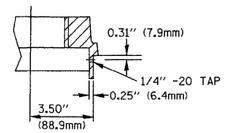
SCALE: NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

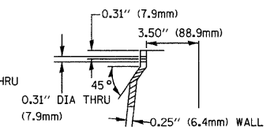


TOP VIEW

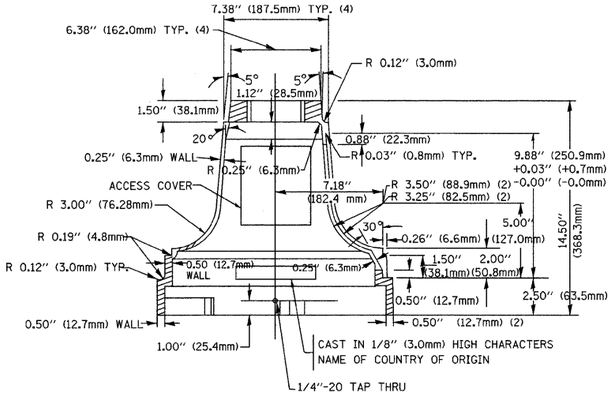




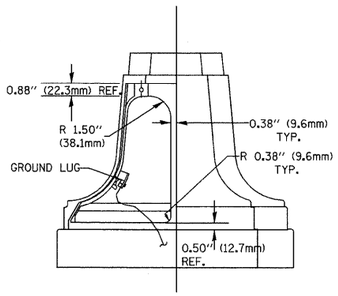
SECTION B-B



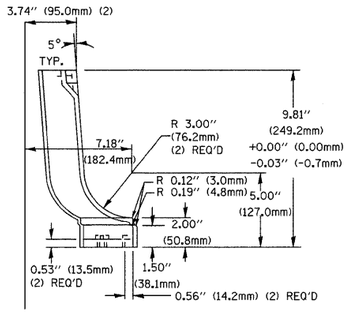
SECTION D-D



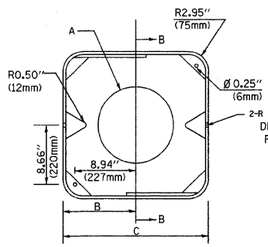
SECTION A-A



VIEW C-C



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A

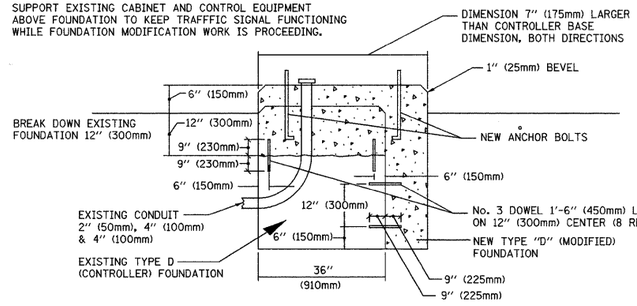


MATERIAL:
- ASTM A48 CLASS 30 GREY IRON
- ASTM A123 HOT DIPPED GALVANIZED

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

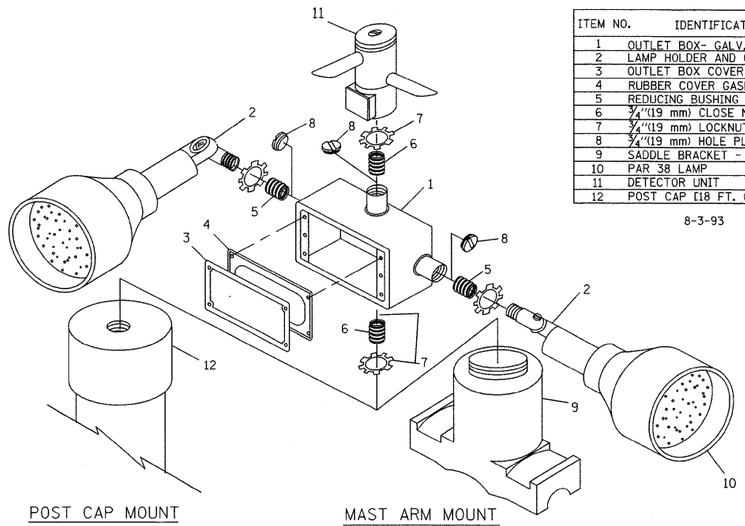
SHROUD DETAIL

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



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



POST CAP MOUNT

MAST ARM MOUNT

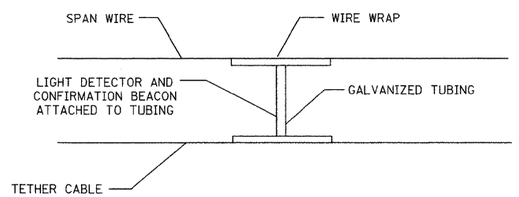
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

8-3-93

NOTES:

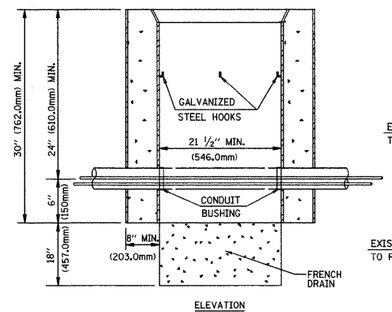
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A ¾"(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.



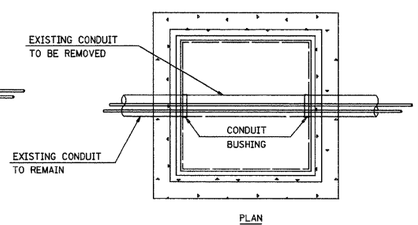
LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

(NOT TO SCALE)

NOTES:
1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.



ELEVATION



PLAN

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

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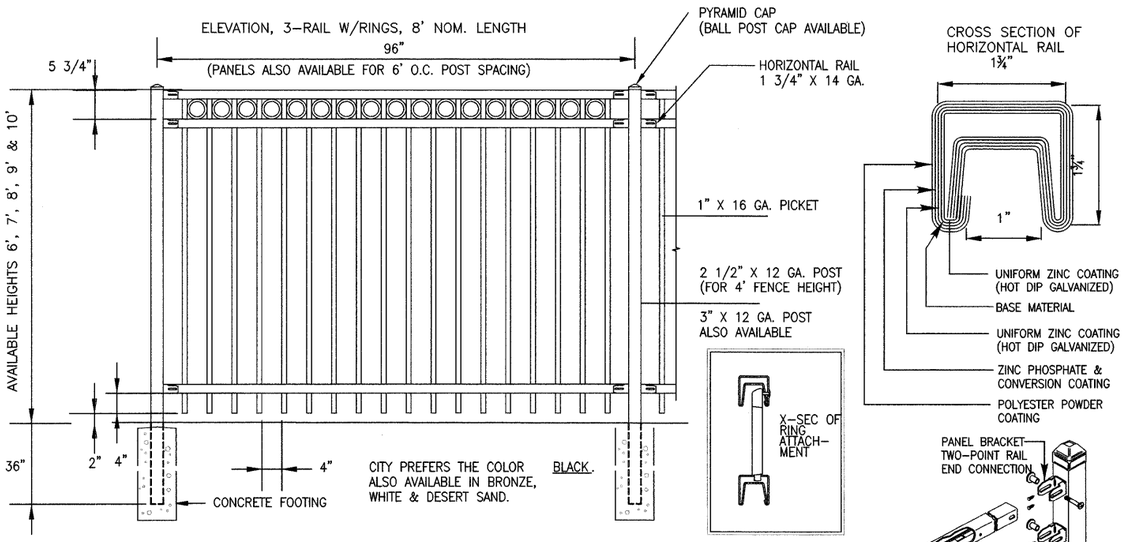
DESIGNED	BLG	REVISED	-
DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

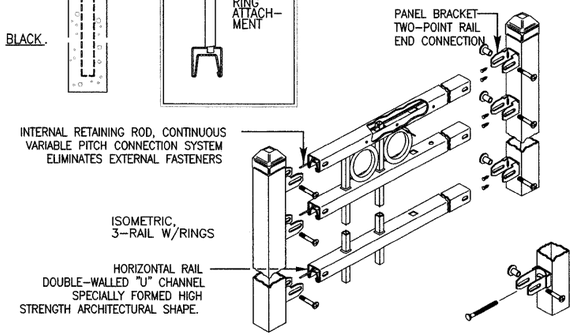
DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS SHEET 4 OF 4

SCALE: NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	35
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



Post Selec tion for Fence Height 6'-10'				
Wind Loading				
Fence Height (FT)	Rail Length (FT)	Post Size	Wind Load Capacity Factor (PSF)	Typical Wind Load capacity (MPH)
6	6	2 1/2" x 12 GA.	45.5	133.0
		3" x 12 GA.	54.6	146.0
	8	2 1/2" x 12 GA.	34.2	116.0
		3" x 12 GA.	41.0	127.0
7	6	2 1/2" x 12 GA.	33.4	114.0
		3" x 12 GA.	40.0	125.0
	8	2 1/2" x 12 GA.	25.0	99.0
		3" x 12 GA.	30.0	108.0
8	6	2 1/2" x 12 GA.	25.6	100.0
		3" x 12 GA.	30.7	110.0
	8	2 1/2" x 12 GA.	19.2	87.0
		3" x 12 GA.	23.0	95.0
		4" x 12 GA.	30.6	110.0
9	6	4" x 12 GA.	32.0	113.0
10	6	4" x 12 GA.	28.7	107.0

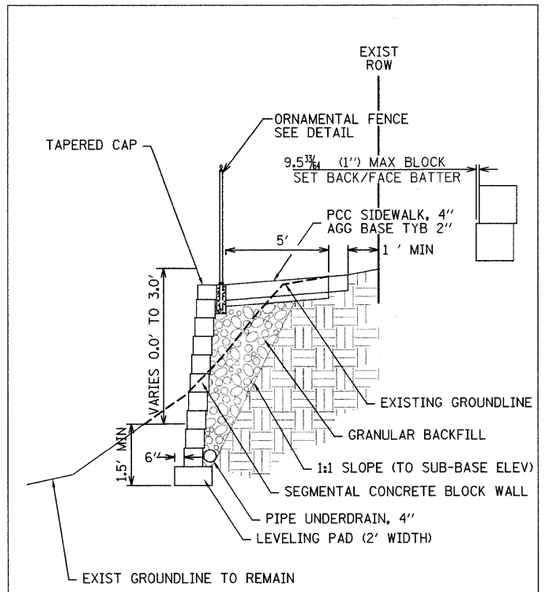


GATES: SPECIFY OPENING WIDTHS
SINGLE _____ QUANTITY____
DOUBLE _____ QUANTITY____

REVISIONS	DATE

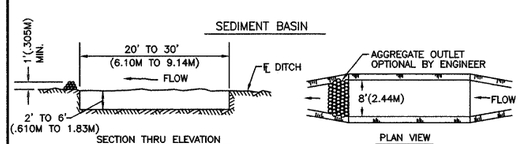
6' ORNAMENTAL FENCE

(Not to Scale)



REVISIONS	DATE

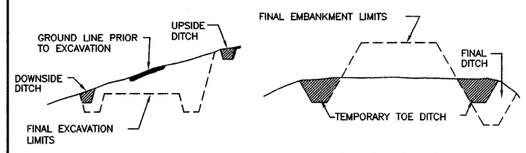
SEGMENTAL CONCRETE
BLOCK WALL
SECTION DETAIL



THE PERFORMANCE OF THE BASIN WILL IMPROVE IF PUT INTO A SERIES.

THE LONG DIMENSION SHOULD BE PARALLEL WITH THE DIRECTION OF THE FLOW. ACCUMULATED SILT SHALL BE REMOVED ANYTIME THE BASINS BECOME 75% FILLED.

TEMPORARY DITHCHES FOR CUT AND FILL SECTIONS

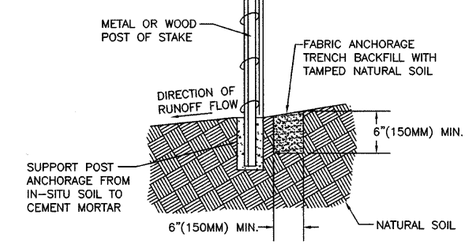


TEMPORARY DITCHES OR THE FINAL DITCH GRADES INCLUDED IN THE PLANS SHALL BE EXCAVARED AT THE EARLIEST OPPORTUNITY DURING CONSTRUCTION IN ORDER TO CONTROL RUNOFF FROM THE EMBANKMENT OR CUT SECTION PER ARTICLE 202.05 OF THE STANDARD SPECIFICATIONS. SOME MEANS OF TRAPPING SILTATION SHOULD BE PROVIDED AT THE OUTFLOW OF THESE DITCH SYSTEMS.

NOTES:

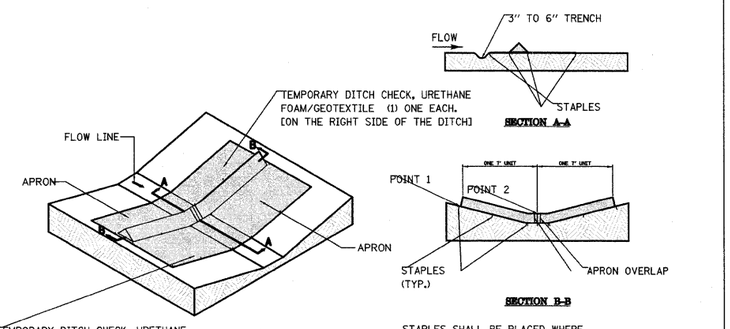
1. ACTUAL CONFIGURATION AND LOCATION OF TEMPORARY EROSION CONTROL SYSTEMS SHALL BE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
2. DITCH CHECKS AND SEDIMENT BASINS SHOULD BE CONSTRUCTED AT APPROPRIATE INTERVALS ALONG THE WATERWAY TO BE EFFECTIVE.
3. WHERE MORE THAN ONE ROW OF BALES USED, STAGGER BALES TO COVER JOINTS.
4. WHERE BALES ARE SHOWN STAKED, A MINIMUM OF TWO PER BALE SHALL BE USED.
5. THE TEMPORARY EROSION CONTROL SYSTEMS INSTALLED BY THE CONTRACTOR SHALL BE PROPERLY MAINTAINED AS DIRECTED BY THE ENGINEER TO CONTROL SILTATION AT ALL TIMES DURING THE LIFE OF THE CONTRACT.

Title: TEMPORARY EROSION CONTROL SYSTEMS	CITY OF NAPERVILLE STANDARD DETAIL		
Approved By:	DATE: 9/23/98	REV:	Detail: MISC 5
	SCALE: NTS		



NOTE:

DEPENDING UPON THE CONFIGURATION, ATTACH FABRIC TO WIRE MESH WITH HOG RINGS, STEEL POST WITH TIE WIRES, WOOD POST WITH NAILS



STAPLES SHALL BE PLACED WHERE THE UNITS OVERLAP AND IN THE CENTER OF THE 7' UNIT AS SHOWN ON THE DIAGRAM.

POINT 1 MUST BE HIGHER THAN POINT 2 TO INSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.

NOTE:
THE INSTALLATION SHOWN ABOVE WILL BE MEASURED AS TWO (2) EACH TEMPORARY DITCH CHECK, URETHANE FOAM/GEOTEXTILE.

SCALE: 1" = 5'

REVISIONS	DATE

LakeCounty Division of Transportation

APPROVED BY: M. G. ZEMAITIS
DATE: APRIL 1, 2007

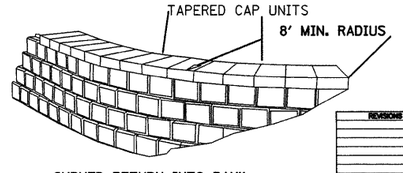
TRIANGULAR SILT DIKE INSTALLATION FOR ROADWAY DITCH OR DRAINAGE DITCH

LC20000

1. BLOCK FACING IS SPLIT FACE
2. CAP UNITS TO BE APPLIED WITH ADHESIVE. APPLICATION RATE IS ONE 10.5 OZ TUBE PER 18 FEET OF CAP LENGTH.
3. PLACEMENT METHOD IS BY HAND
4. STACKING ALIGNMENT MAY BE EITHER BATTERED OR VERTICAL
5. MINIMUM FACE RADIUS IN CURVE = 8'
6. DESIGN NOTE: MAX HEIGHT GRAVITY ONLY = 5 FEET
7. RETAINING WALL BLOCKS MUST BE CERTIFIED BY IDOT'S QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

SEGMENTAL CONCRETE BLOCK DETAILS

	FACE WIDTH	BACK WIDTH	HEIGHT	DEPTH	WEIGHT
STANDARD UNIT	8"	8"	6"	12"	45 LBS
TAPERED UNIT	8"	6⅞"	6"	12"	43 LBS
TAPERED CAP	8"	7"	3"	14"	22 LBS
RECTANGULAR CAP	24"	24"	3"	12"	68 LBS



REVISIONS	DATE

SEGMENTAL CONCRETE
BLOCK WALL DETAIL

Title: TYPICAL SILT FENCE CONSTRUCTION	CITY OF NAPERVILLE STANDARD DETAIL		
Approved By:	DATE: 9/29/98	REV:	Detail: MISC 6
	SCALE: NTS		

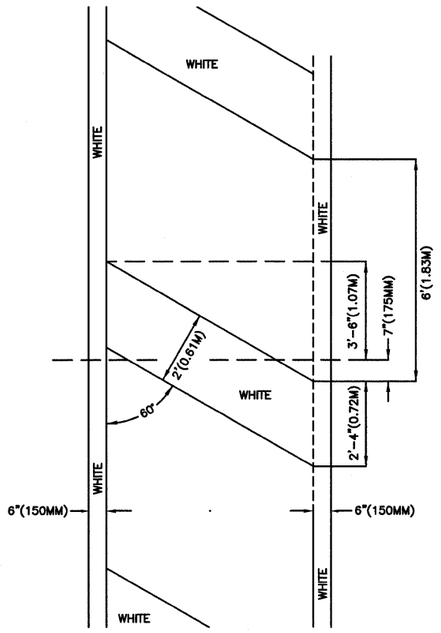
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Tel: 630.773.3900 - Fax: 630.773.3975
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DESIGNED	BLG	REVISED	-
DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

CONSTRUCTION DETAILS
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	36
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



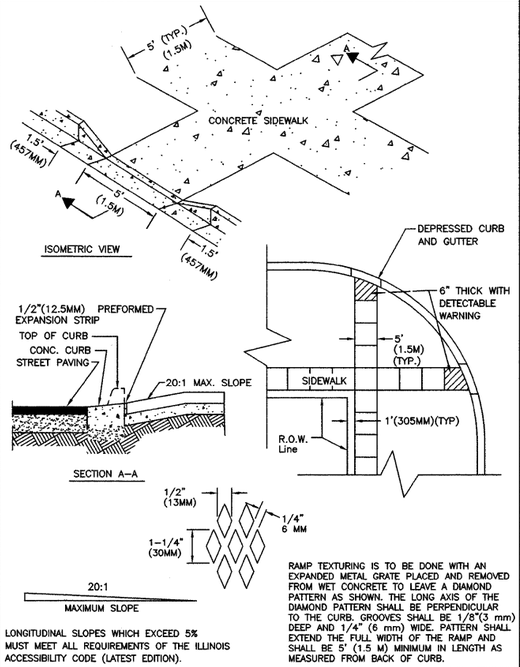
CROSSWALK

CITY OF NAPERVILLE STANDARD DETAIL

Approved By:

DATE: 5/4/00 | REV: | Detail: MISC 12

SCALE: NTS



LONGITUDINAL SLOPES WHICH EXCEED 5% MUST MEET ALL REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE (LATEST EDITION).

RAMP TEXTURING IS TO BE DONE WITH AN EXPANDED METAL GRATE PLACED AND REMOVED FROM WET CONCRETE TO LEAVE A DIAMOND PATTERN AS SHOWN. THE LONG AXIS OF THE DIAMOND PATTERN SHALL BE PERPENDICULAR TO THE CURB. GROOVES SHALL BE 1/8"(3 mm) DEEP AND 1/4" (6 mm) WIDE. PATTERN SHALL EXTEND THE FULL WIDTH OF THE RAMP AND SHALL BE 5' (1.5 M) MINIMUM IN LENGTH AS MEASURED FROM BACK OF CURB.

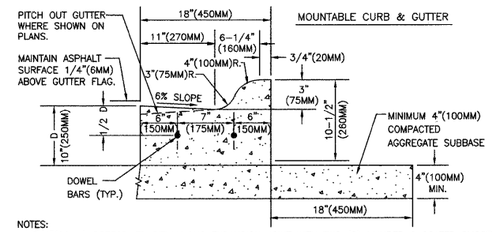
CURB RAMPS ACCESSIBLE TO THE DISABLED

City of Naperville Standard Detail

Approved By:

DATE: 5/29/98 | REV: | Detail: PVMT 4

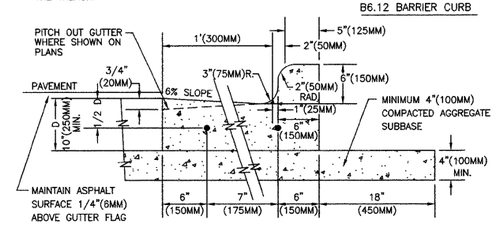
SCALE: NTS



NOTES:

1. 3/4"(20MM) PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4"(20MM) DIA. X 18"(450MM)) WITH GREASE CAPS SHALL BE PLACED EVERY 150' (45M), 10'(3M) EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4"(20MM) X 18"(450MM)) GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A PINCHED STOP THAT WILL PROVIDE A MINIMUM 1"(25MM) EXPANSION.
2. TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 15'(4.5M).
3. SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
4. FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 4) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.

B6.12 BARRIER CURB



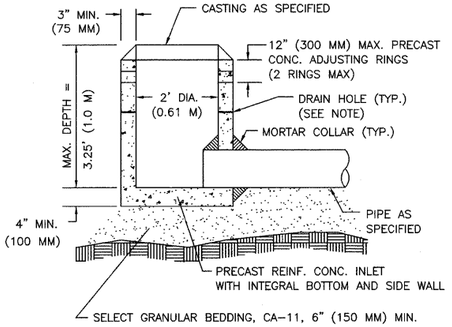
CURB & GUTTER

CITY OF NAPERVILLE STANDARD DETAIL

Approved By:

DATE: 6/2/98 | REV: | Detail: PVMT 11

SCALE: NTS



NOTE

IN PAVED AREAS A MINIMUM OF 4 PRECAST OR DRILLED 25 MM (1") DIAMETER HOLES SHALL BE PROVIDED WITHIN 300 MM (1') OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 300 MM (1') BY 300 MM (1') SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.

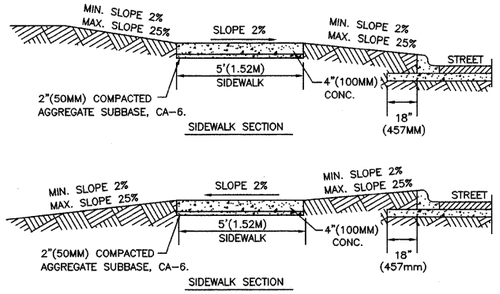
INLET TYPE A

CITY OF NAPERVILLE STANDARD DETAIL

Approved By:

DATE: 6/12/2001 | REV: | Detail: STORM 1

SCALE: NTS



NOTES:

1. CONCRETE SHALL BE IDOT CLASS SI
2. MINIMUM SIDEWALK THICKNESS SHALL BE 4" (100mm)
3. SIDEWALK THICKNESS ACROSS DRIVEWAY SHALL BE AT A MINIMUM 6" (150mm) FOR RESIDENTIAL DRIVEWAYS AND 8" (200mm) FOR COMMERCIAL DRIVEWAYS
4. MAXIMUM LONGITUDINAL SLOPE SHALL NOT EXCEED 5% (20:1). FOR ANY SLOPE IN EXCESS OF 5%, ALL REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE (LATEST EDITION) SHALL BE MET.
5. MINIMUM TRANSVERSE SLOPE SHALL BE 1/4" PER 1'(2%) MAXIMUM TRANSVERSE SLOPE SHALL BE 1/2" PER 1' (4%).
6. A MINIMUM 2" (50mm) AGGREGATE SUBBASE (CA-6) SHALL BE PROVIDED. (4" (100mm) THROUGH COMMERCIAL DRIVEWAYS).
7. AGGREGATE SUBBASE SHALL BE MECHANICALLY COMPACTED.
8. ALL SIDEWALKS SHALL BE PROMPTLY BACKFILLED AND PROTECTED FROM DAMAGE.

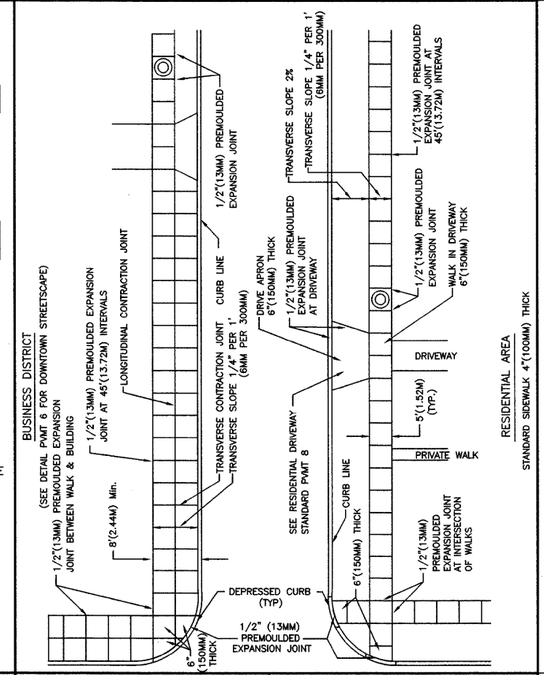
SIDEWALK

CITY OF NAPERVILLE STANDARD DETAIL

Approved By:

DATE: 6/8/98 | REV: | Detail: PVMT 3

SCALE: NTS



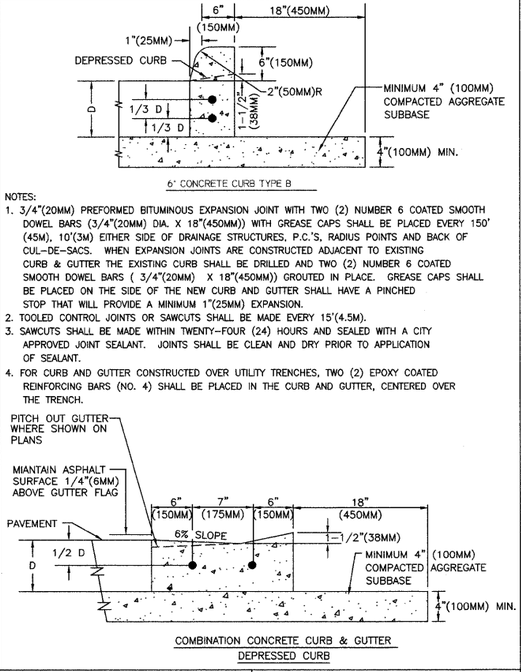
SIDEWALK CONSTRUCTION

CITY OF NAPERVILLE STANDARD DETAIL

Approved By:

DATE: 5/29/98 | REV: | Detail: PVMT 5

SCALE: NTS



NOTES:

1. 3/4"(20MM) PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4"(20MM) DIA. X 18"(450MM)) WITH GREASE CAPS SHALL BE PLACED EVERY 150' (45M), 10'(3M) EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4"(20MM) X 18"(450MM)) GROUTED IN PLACE. GREASE CAPS SHALL BE PLACED ON THE SIDE OF THE NEW CURB AND GUTTER SHALL HAVE A PINCHED STOP THAT WILL PROVIDE A MINIMUM 1"(25MM) EXPANSION.
2. TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 15'(4.5M).
3. SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.
4. FOR CURB AND GUTTER CONSTRUCTED OVER UTILITY TRENCHES, TWO (2) EPOXY COATED REINFORCING BARS (NO. 4) SHALL BE PLACED IN THE CURB AND GUTTER, CENTERED OVER THE TRENCH.

COMBINATION CONCRETE CURB & GUTTER
DEPRESSED CURB

CURB & GUTTER

CITY OF NAPERVILLE STANDARD DETAIL

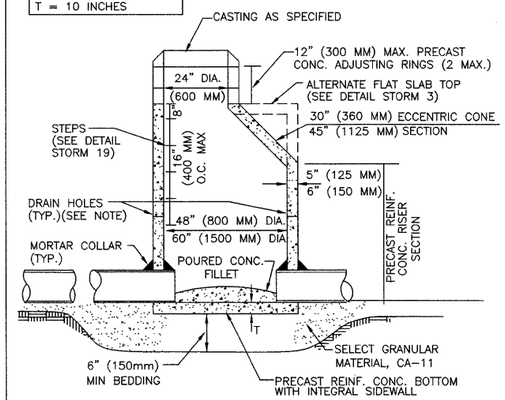
Approved By:

DATE: 6/8/98 | REV: | Detail: PVMT 12

SCALE: NTS

WHEN MANHOLE DEPTH IS 12 FT (4m) OR LESS
T = 8 INCHES

WHEN MANHOLE DEPTH IS OVER 12 FT.
T = 10 INCHES



NOTE

A MINIMUM OF 4 PRECAST OR DRILLED 25 MM (1") DIAMETER HOLES SHALL BE PROVIDED WITHIN 300 MM (1') OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 300 MM (1') BY 300 MM (1') SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.

MANHOLE TYPE A

CITY OF NAPERVILLE STANDARD DETAIL

Approved By:

DATE: 6/12/2001 | REV: | Detail: STORM 2

SCALE: NTS

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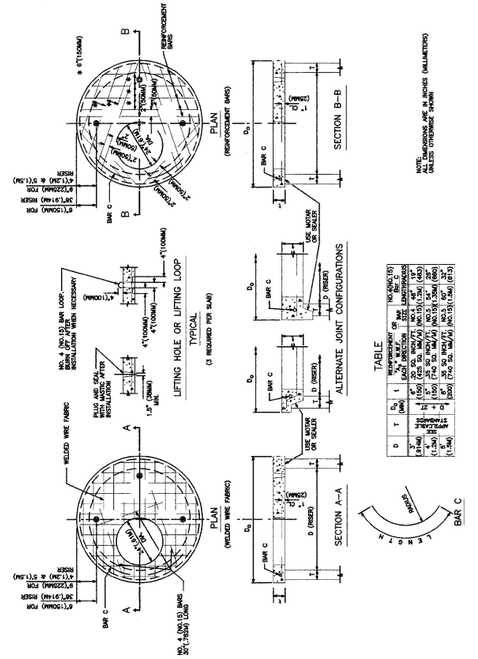
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DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

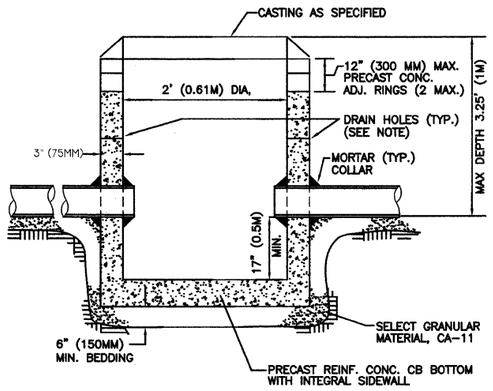
CONSTRUCTION DETAILS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	37
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

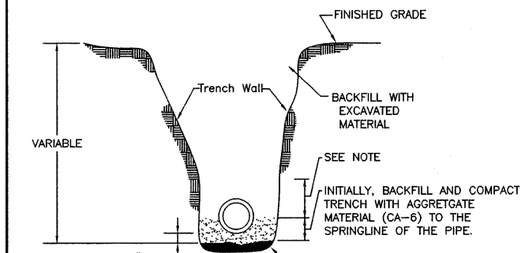


Title: FLAT SLAB TOP PRECAST REINFORCED CONCRETE	CITY OF NAPERVILLE STANDARD DETAIL		
Approved By:	DATE: 3/11/98	REV:	Detail: STORM 3
	SCALE: NTS		



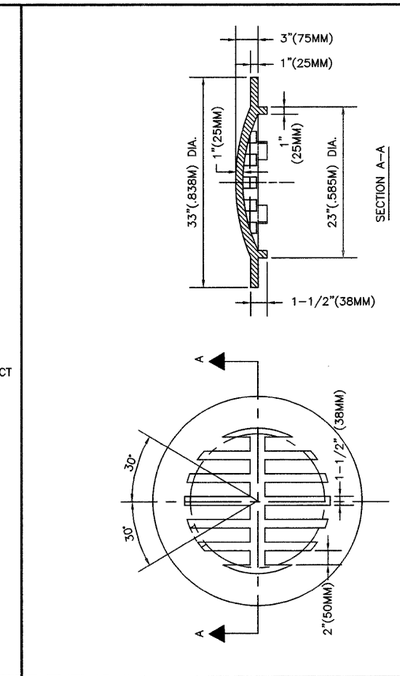
NOTE
A MINIMUM OF 4 PRECAST OR DRILLED 25 MM (1") DIAMETER HOLES SHALL BE PROVIDED WITHIN 300 MM (1') OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 300 MM (1') BY 300 MM (1') SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.

Title: CATCHBASIN TYPE C	CITY OF NAPERVILLE STANDARD DETAIL		
Approved By:	DATE: 6/12/2001	REV:	Detail: STORM 5
	SCALE: NTS		



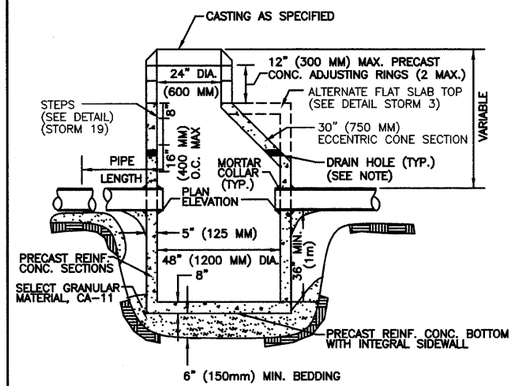
NOTE: FOR PVC AND HDPE PIPE, BACKFILL WITH AGGREGATE MATERIAL (CA–6) TO 6" (150mm) ABOVE THE TOP OF PIPE.

Title: STORM SEWER TRENCH SECTION IN NON–PAVED AREAS	CITY OF NAPERVILLE STANDARD DETAIL		
Approved By:	DATE: 9/15/99	REV:	Detail: STORM 11
	SCALE: NTS		



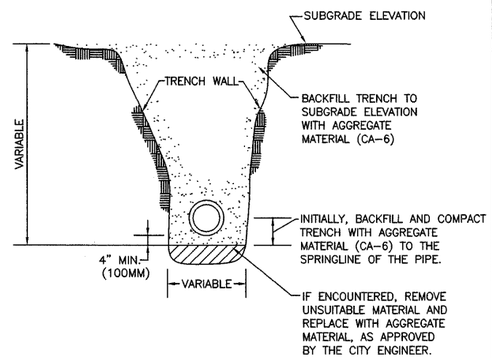
1. BEEHIVE GRATE SHALL BE NEENAH R4340B, EAST JORDAN 6527, OR EQUAL APPROVED BY THE CITY ENGINEER
2. ALL CASTINGS SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.

Title: BEEHIVE GRATE TYPE 1	CITY OF NAPERVILLE STANDARD DETAIL		
Approved By:	DATE: 9/15/99	REV:	Detail: STORM 16
	SCALE: NTS		



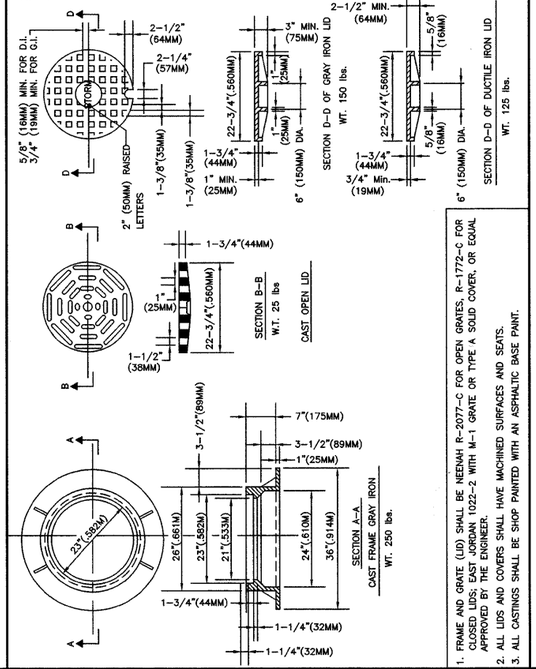
NOTE
A MINIMUM OF 4 PRECAST OR DRILLED 25 MM (1") DIAMETER HOLES SHALL BE PROVIDED WITHIN 300 MM (1') OF THE LOWEST PIPE INVERT. THE HOLES SHALL BE DISTRIBUTED EQUIDISTANT AROUND THE PERIMETER OF THE STRUCTURE. A 300 MM (1') BY 300 MM (1') SQUARE OF UNDERDRAIN FILTER CLOTH MATERIAL SHALL BE FIXED OVER EACH DRAIN HOLE ON THE OUTSIDE OF THE STRUCTURE WITH MASTIC MATERIAL TO PREVENT SLIPPAGE DURING BACKFILLING.

Title: CATCHBASIN TYPE A	CITY OF NAPERVILLE STANDARD DETAIL		
Approved By:	DATE: 6/12/2001	REV:	Detail: STORM 4
	SCALE: NTS		



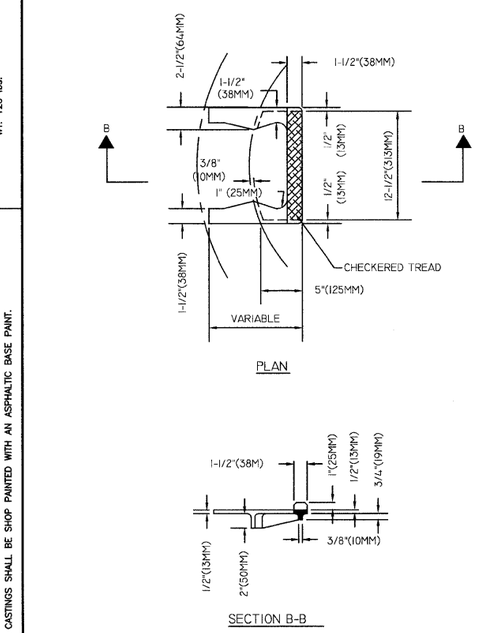
NOTE
1. TRENCH BACKFILL MATERIAL SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 550.07 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
2. THIS DETAIL SHALL BE USED WHEREVER THE TRENCH IS MADE IN THE PROPOSED ROADWAY SUBGRADE, AND WHEREVER THE INNER EDGE OF THE TRENCH IS CLOSER THAN 2' (.610M) TO THE EDGE OF THE PROPOSED PAVEMENT, CURB AND GUTTER, AND SIDEWALK.

Title: STORM SEWER TRENCH SECTION IN PAVED AREAS	CITY OF NAPERVILLE STANDARD DETAIL		
Approved By:	DATE: 2/24/98	REV:	Detail: STORM 10
	SCALE: NTS		



1. FRAME AND GRATE (LID) SHALL BE NEENAH R–2077–C FOR OPEN GRATES, R–1772–C FOR CLOSED LIDS; EAST JORDAN 1022–2 WITH M–1 GRATE OR TYPE A SOLID COVER, OR EQUAL APPROVED BY THE ENGINEER.
2. ALL LIDS AND COVERS SHALL HAVE MACHINED SURFACES AND SEATS.
3. ALL CASTINGS SHALL BE SHOP PAINTED WITH AN ASPHALTIC BASE PAINT.

Title: FRAME & LID TYPE 1	CITY OF NAPERVILLE STANDARD DETAIL		
Approved By:	DATE: 9/15/99	REV:	Detail: STORM 15
	SCALE: NTS		



Title: CAST IRON STEPS	CITY OF NAPERVILLE STANDARD DETAIL		
Approved By:	DATE: 3/11/98	REV:	Detail: STORM 18
	SCALE: NTS		

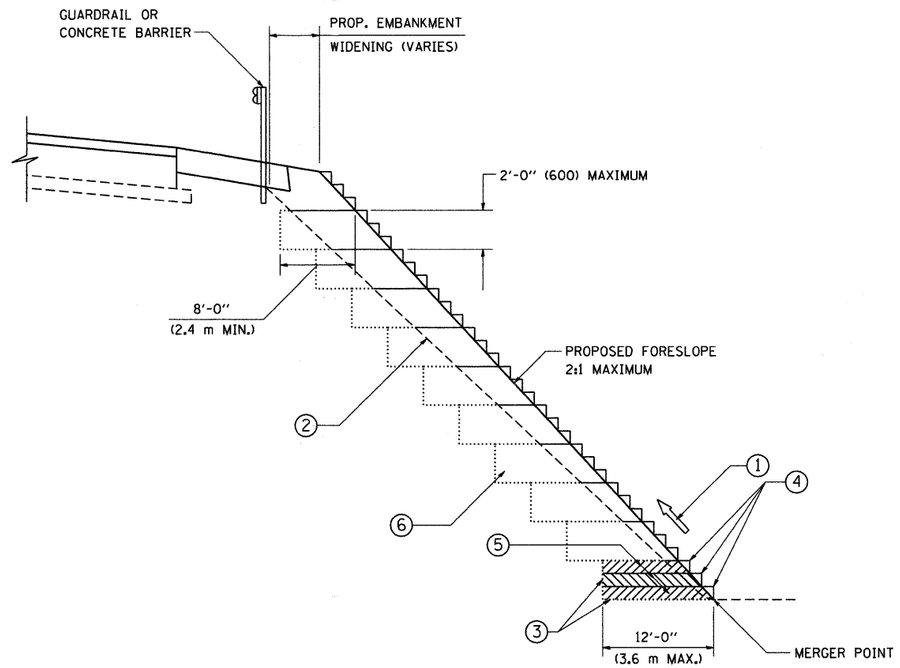
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DESIGNED	BLG	REVISED	-
DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

CONSTRUCTION DETAILS
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07–00136–00–SW	WILL & DUPAGE	88	38
		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 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". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

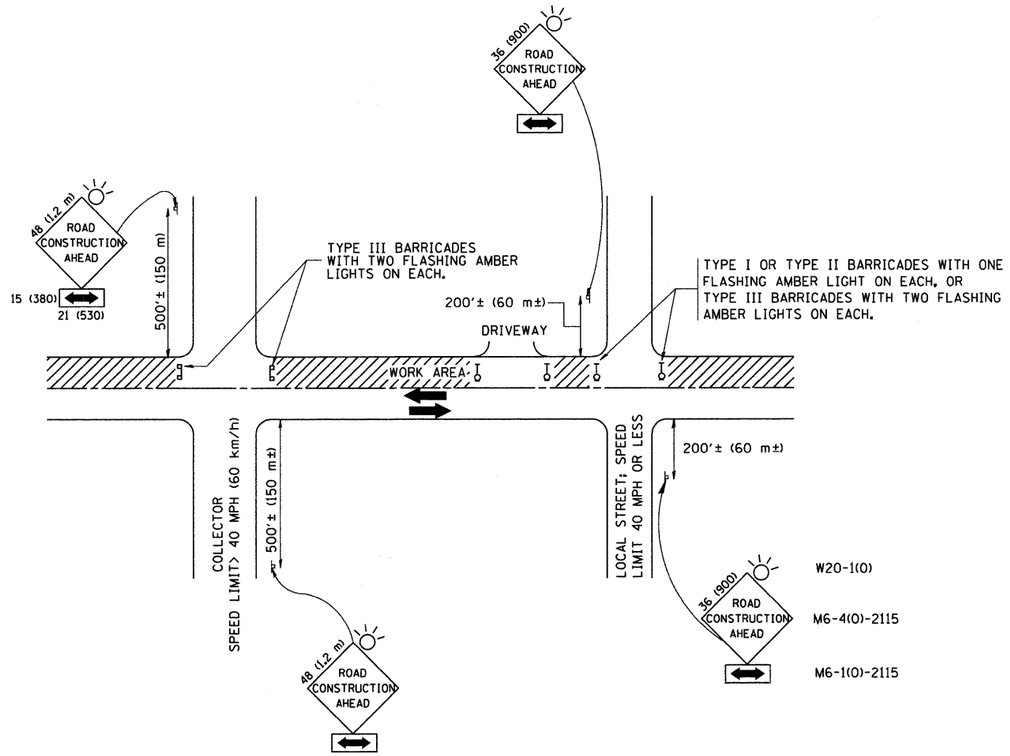
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	PLOT DATE = 1/4/2008	DATE - 06-16-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL
FOR EMBANKMENT WIDENING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	DUPAGE	88	38A
	BD-51	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
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 (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

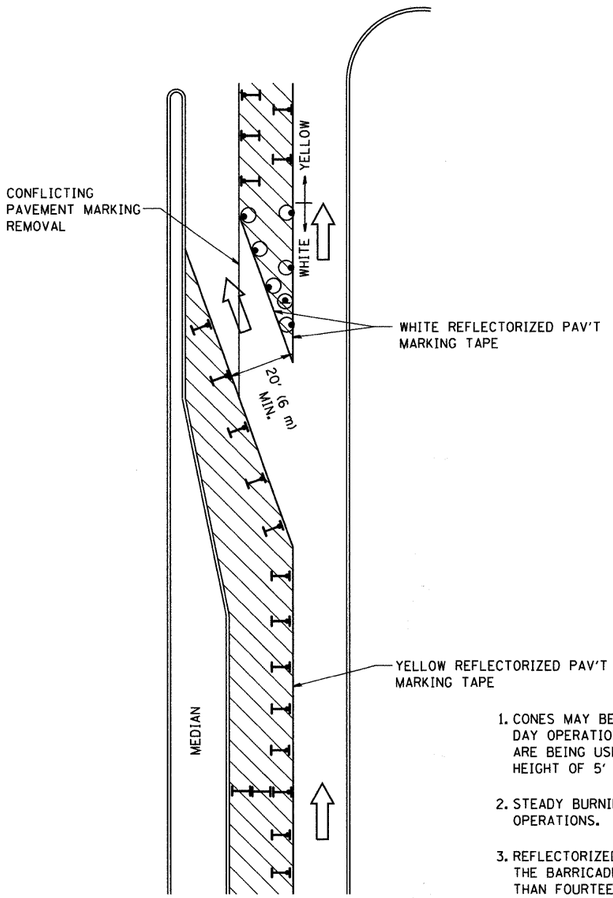
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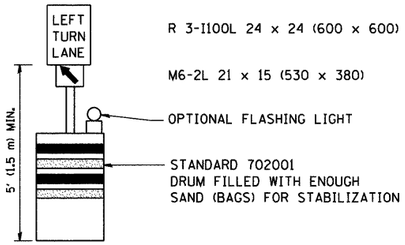
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	DUPAGE	88	38B
	TC-10	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

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

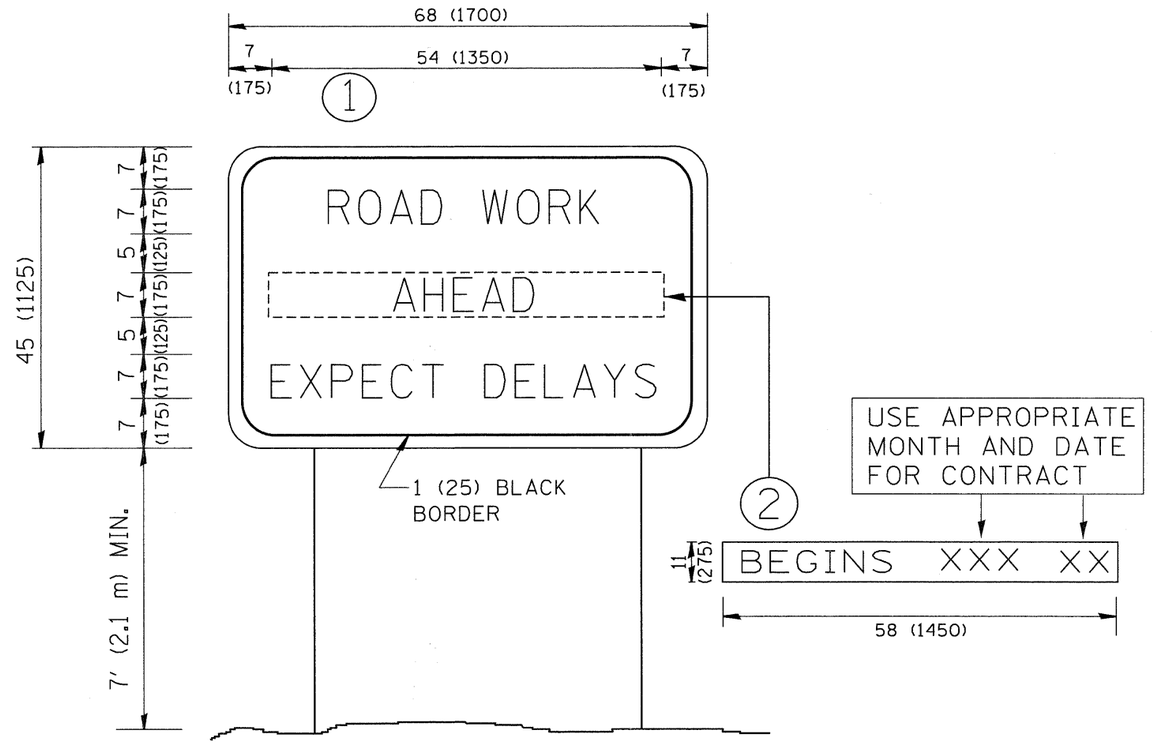
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	PLOT DATE = 1/4/2008	DATE -	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	DUPAGE	88	38C
	TC-14	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

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	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

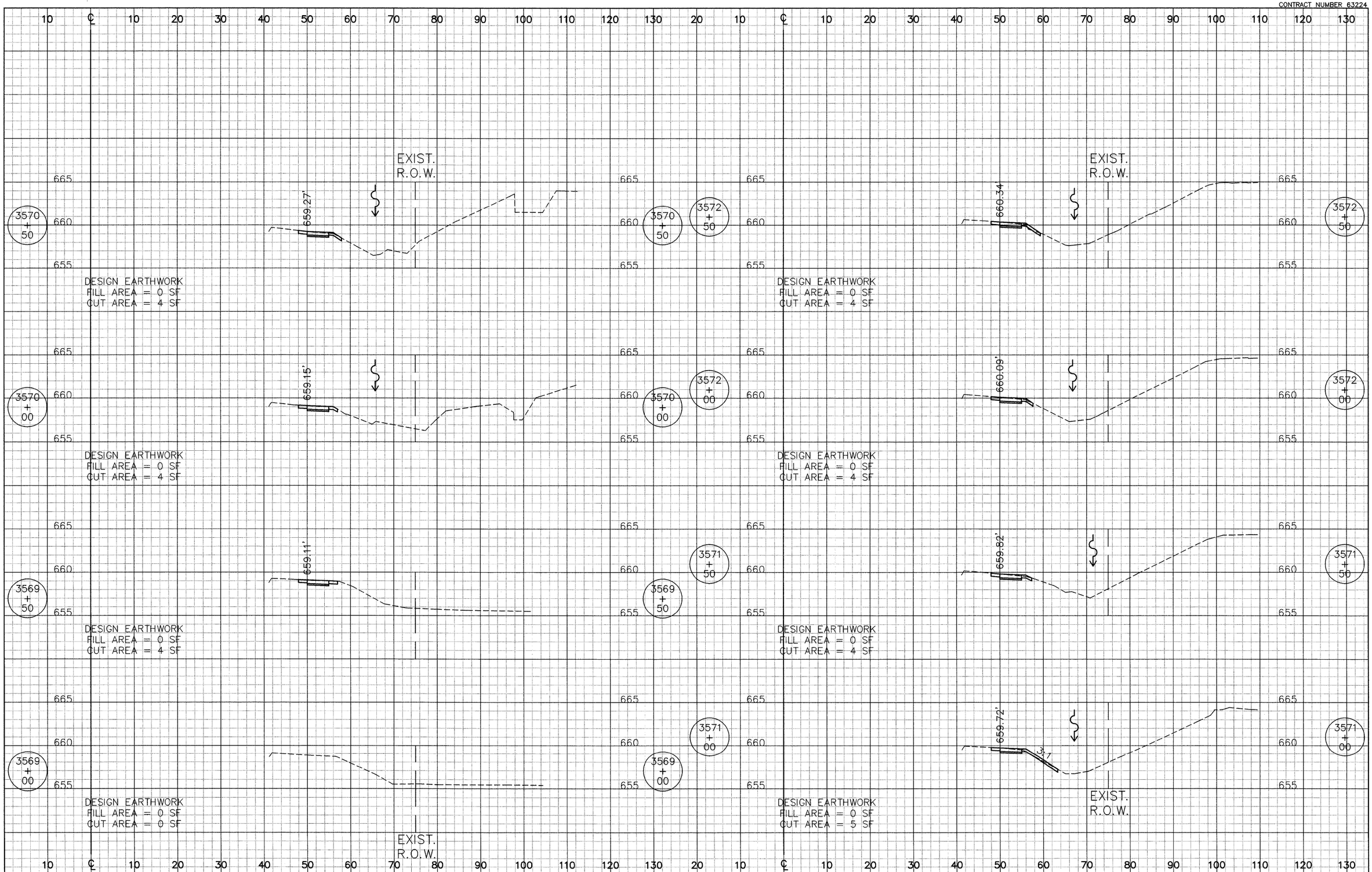
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	DUPAGE	88	38D
	TC-22	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED	-

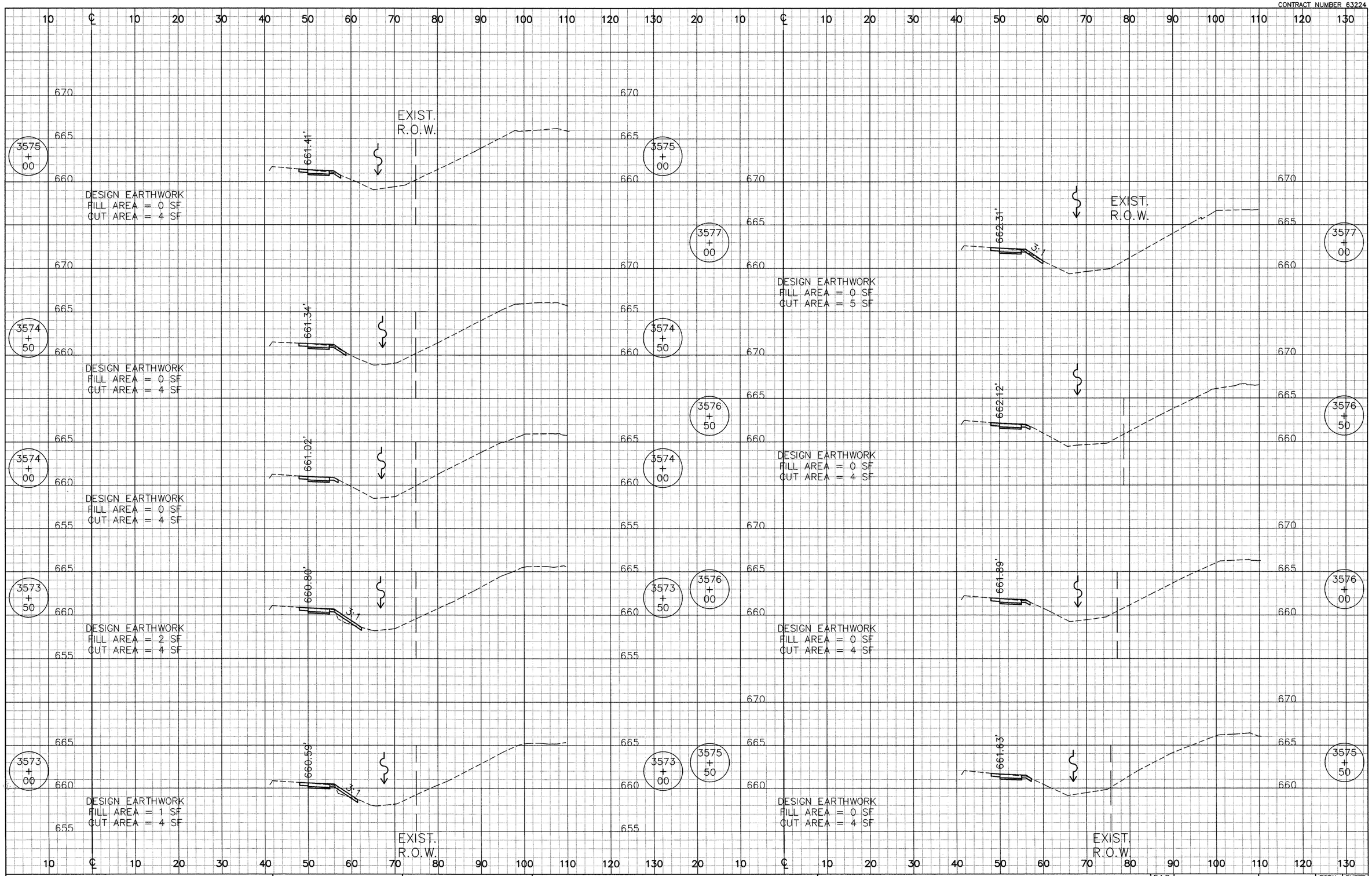
CITY OF NAPERVILLE

CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3569+00 TO 3572+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	39
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

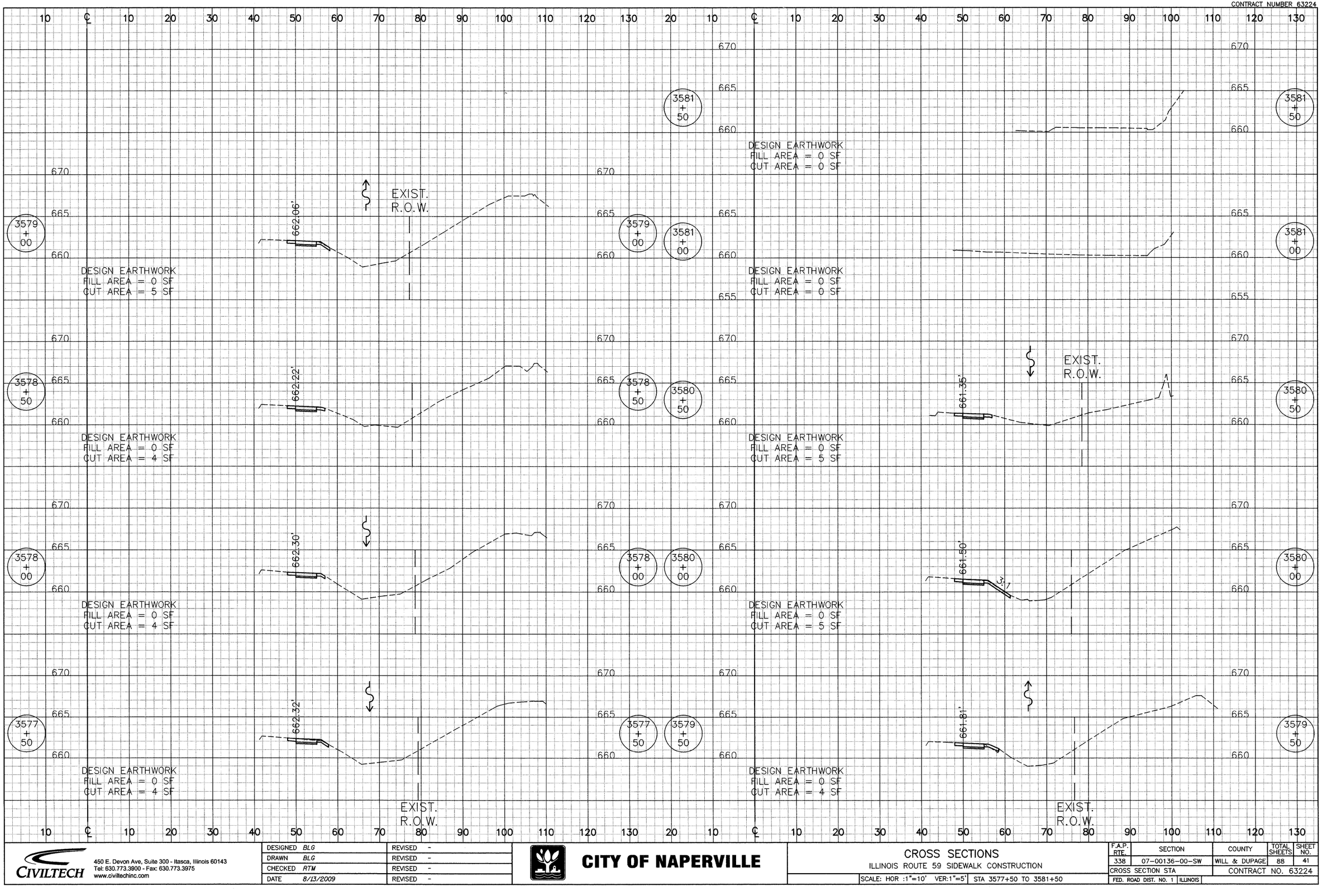
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3573+00 TO 3577+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	40
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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CITY OF NAPERVILLE

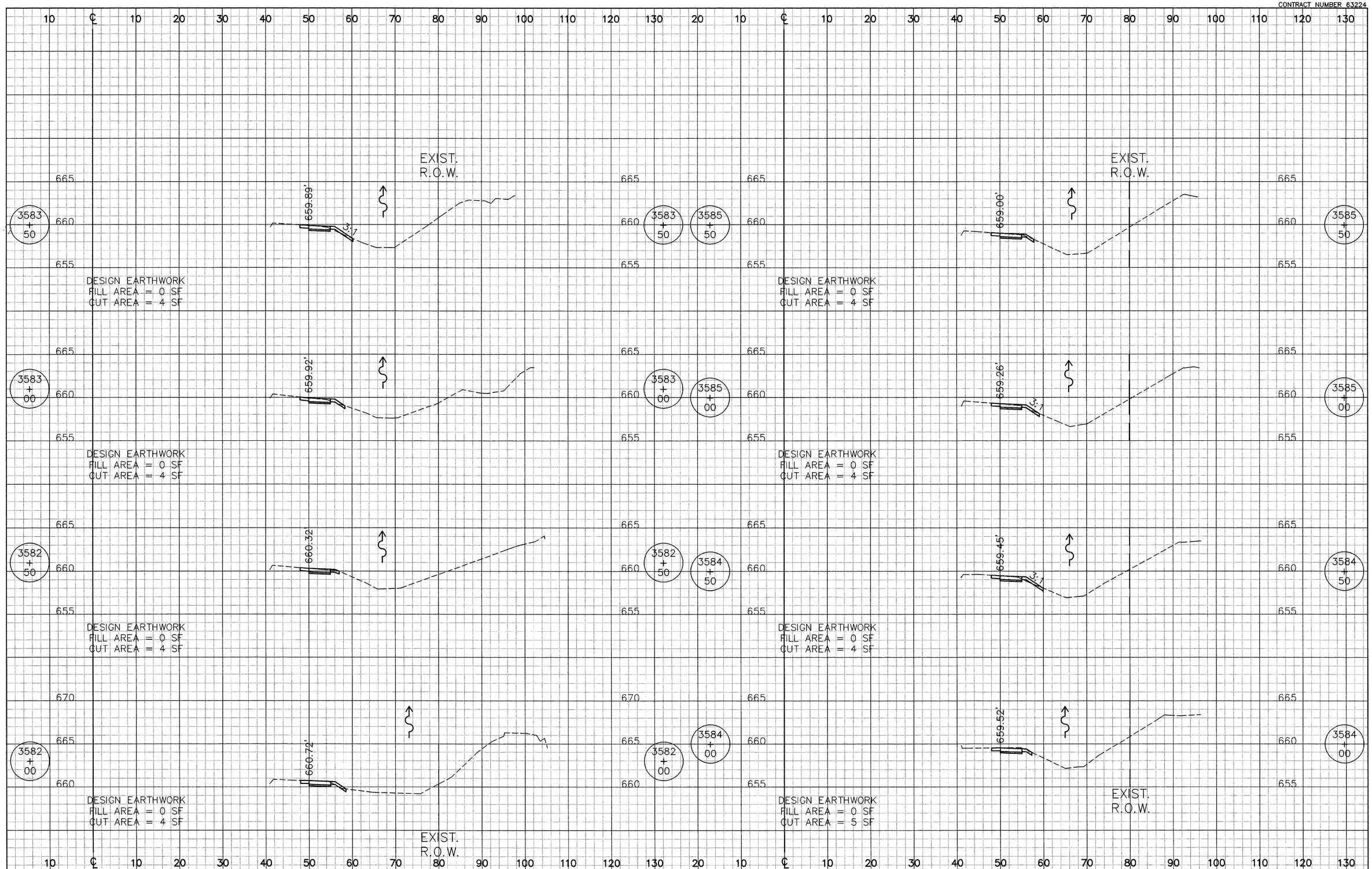
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3577+50 TO 3581+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	41
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



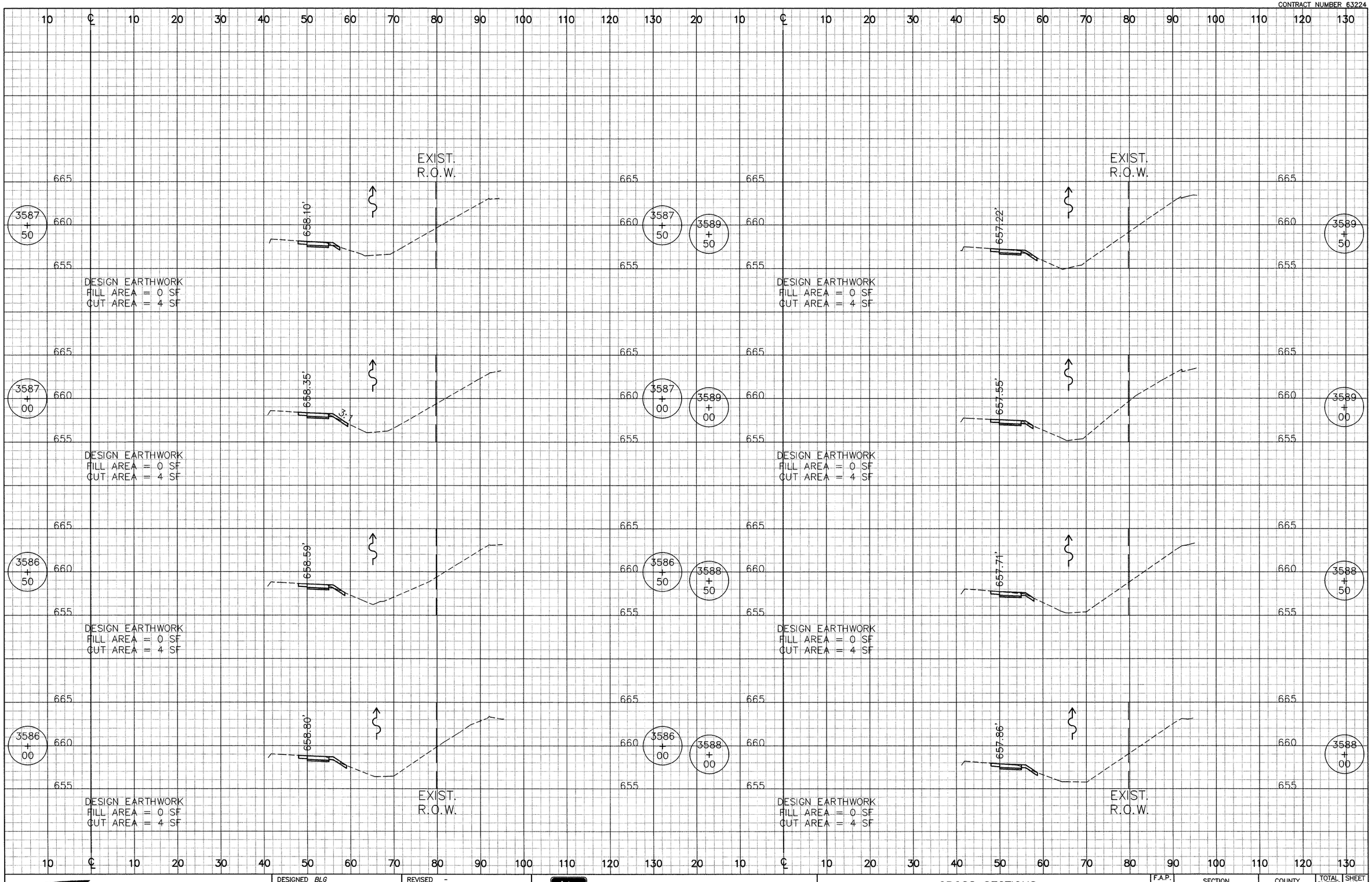
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DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

CROSS SECTIONS
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: HOR :1"=10' VER:1"=5' | STA 3582+00 TO 3585+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	42
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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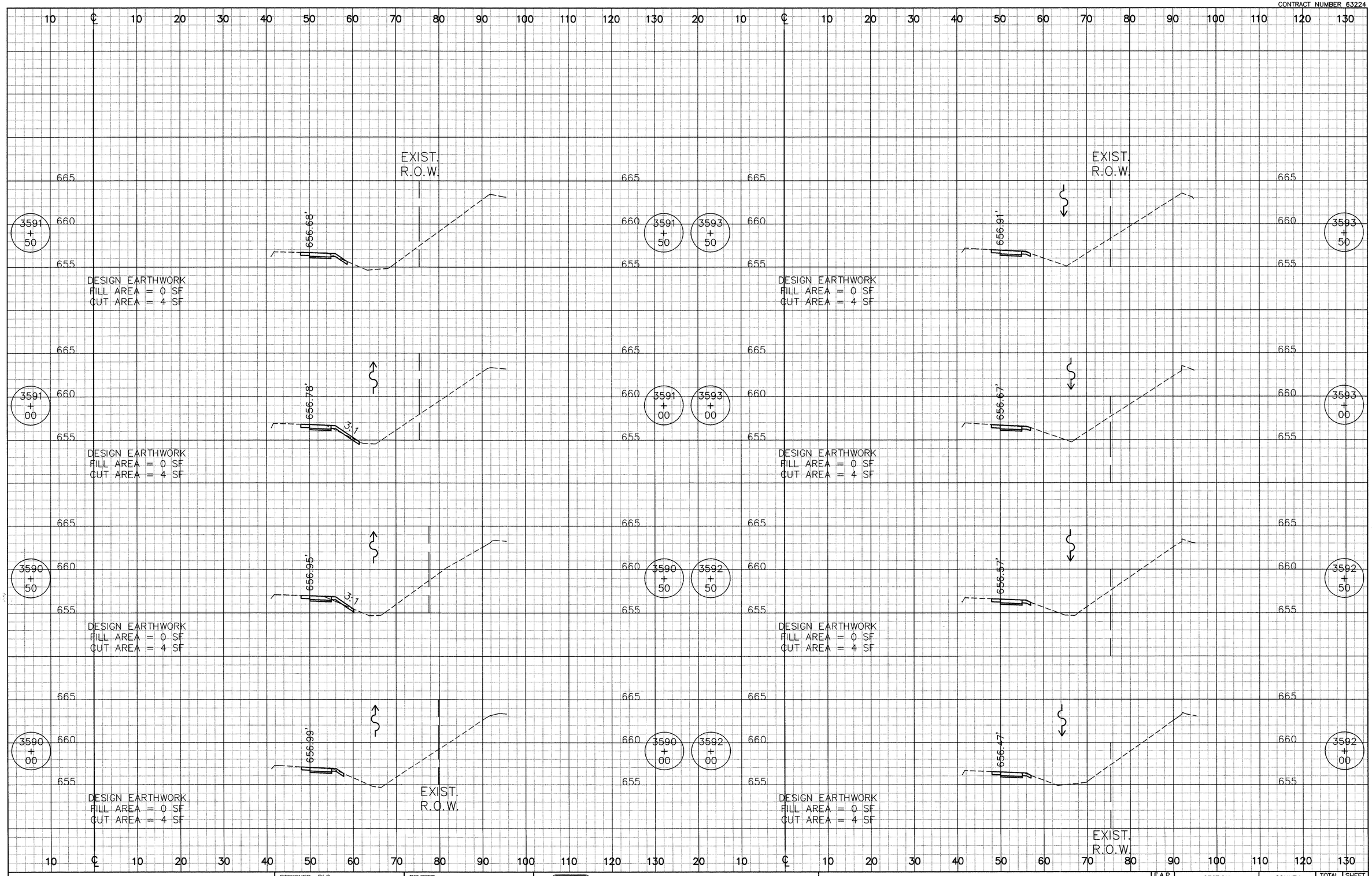
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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

CROSS SECTIONS
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: HOR :1"=10' VER:1"=5' | STA 3586+00 TO 3589+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	43
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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CHECKED	RTM	REVISED -
DATE	8/13/2009	REVISED -

CITY OF NAPERVILLE

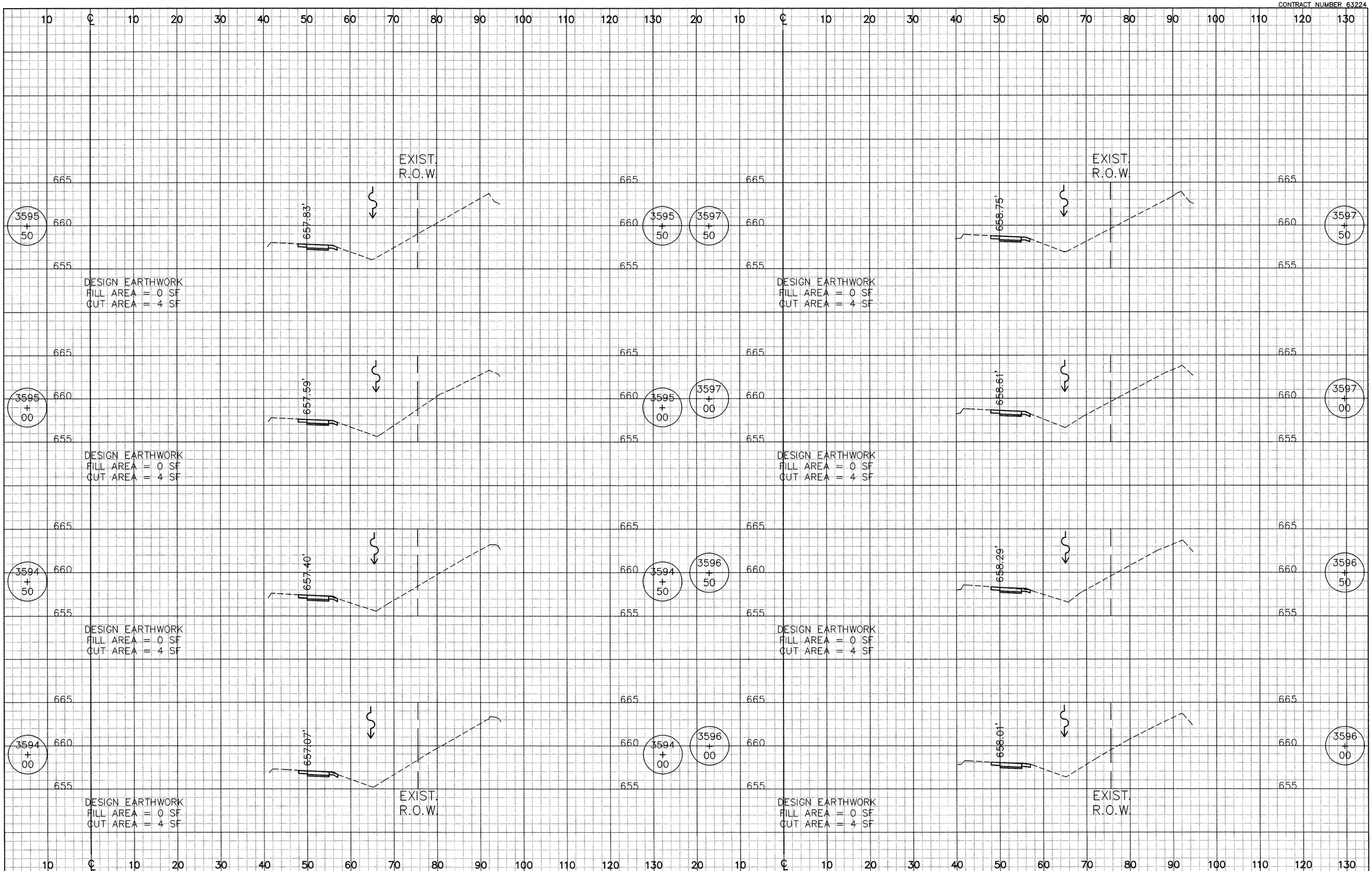
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3590+00 TO 3593+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	44
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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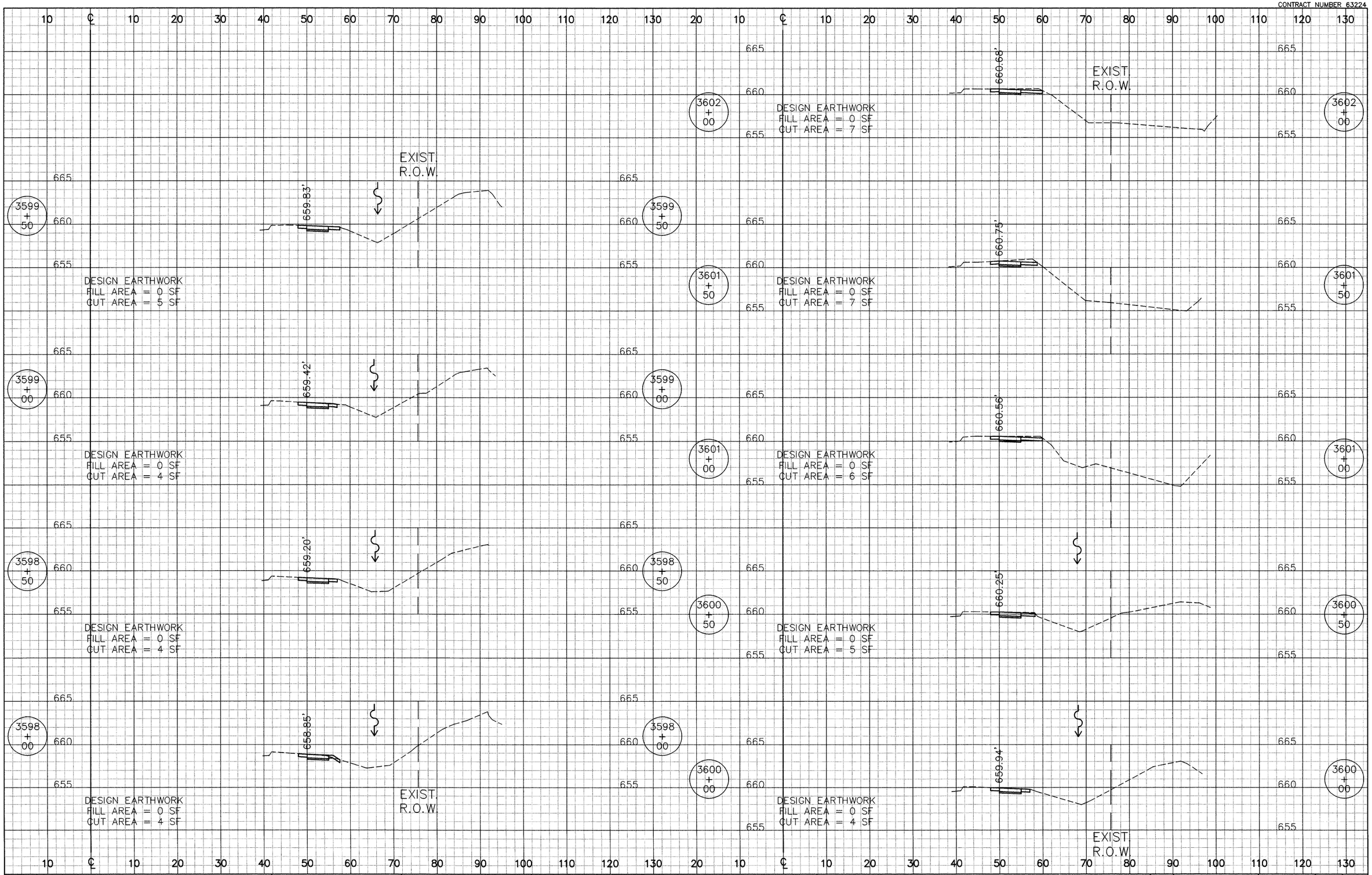
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CITY OF NAPERVILLE

CROSS SECTIONS
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: HOR :1"=10' VER:1"=5' | STA 3594+00 TO 3597+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	45
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

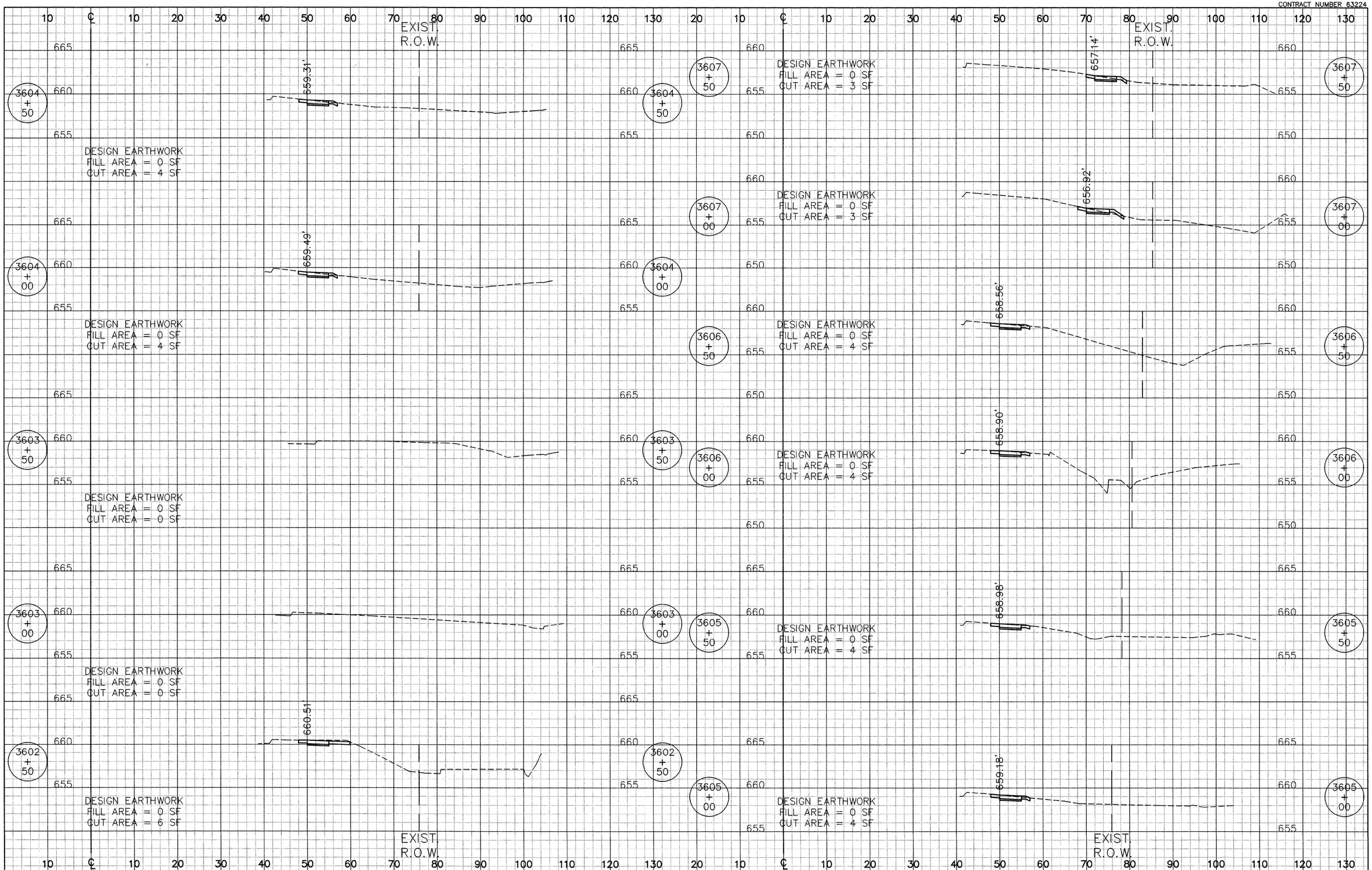
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3598+00 TO 3602+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	46
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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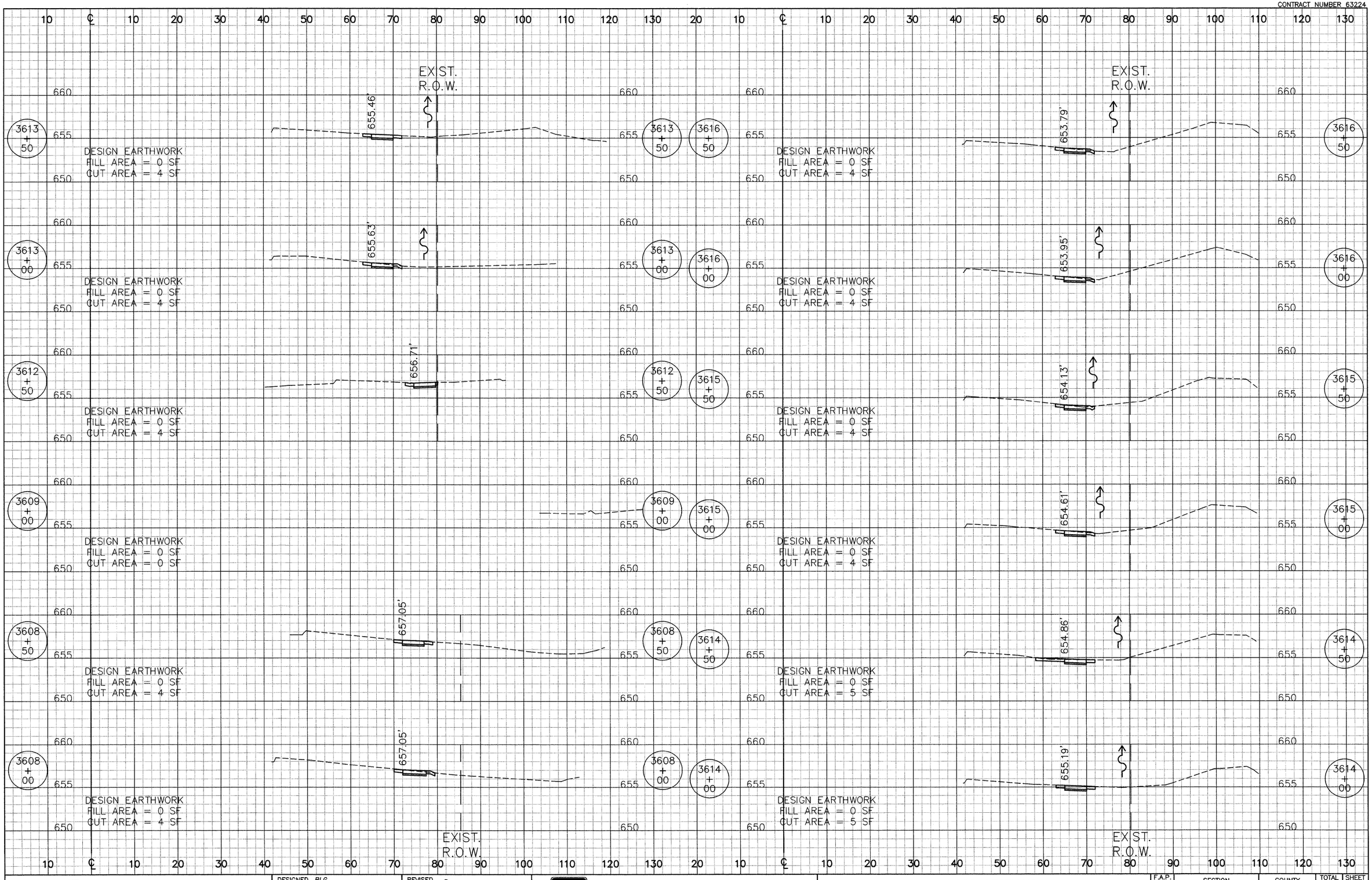
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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

CROSS SECTIONS
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: HOR :1"=10' VER:1"=5' | STA 3602+50 TO 3607+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	47
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

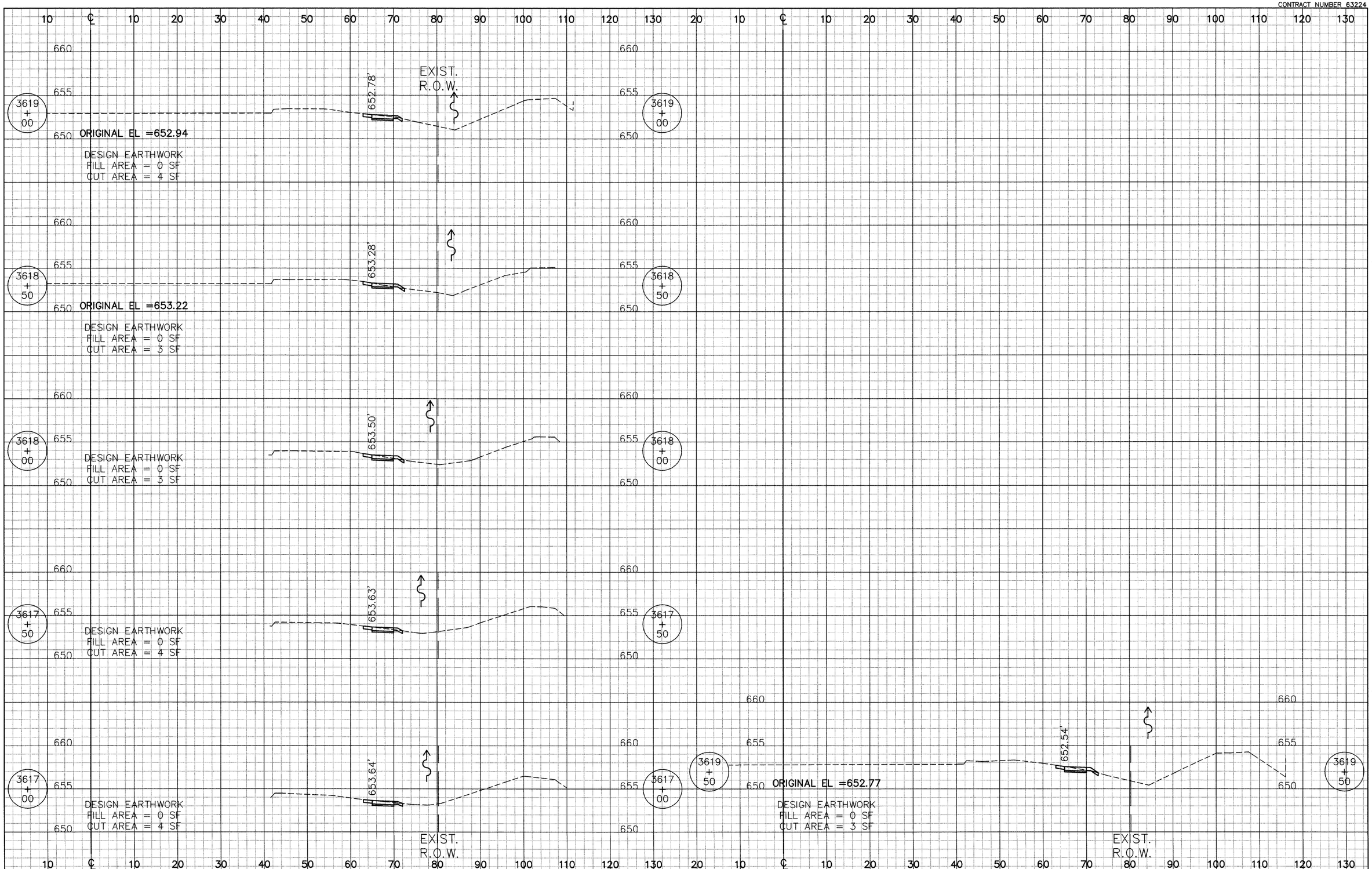
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3608+00 TO 3616+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	48
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED	-

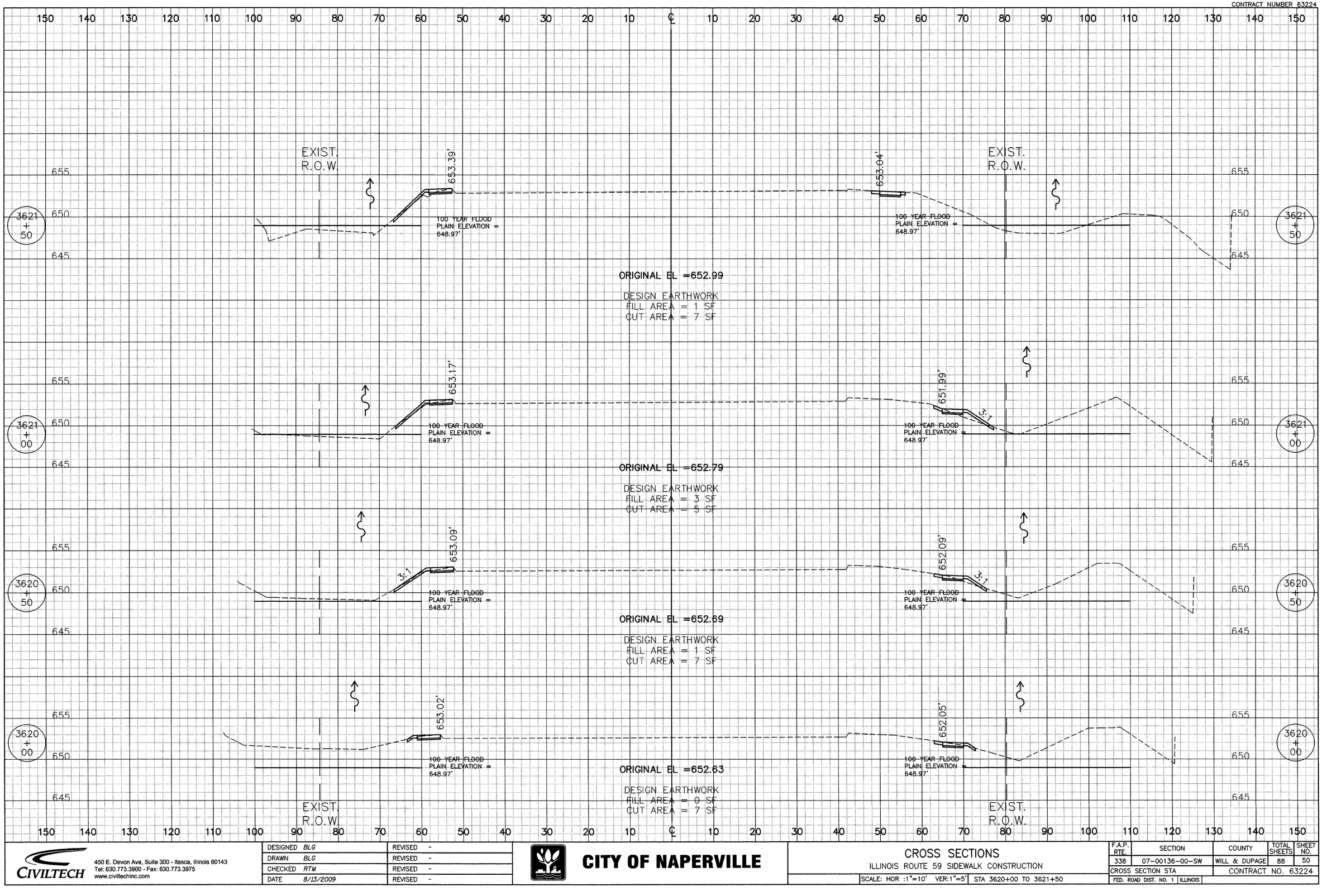
CITY OF NAPERVILLE

CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3617+00 TO 3619+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	49
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			



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DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

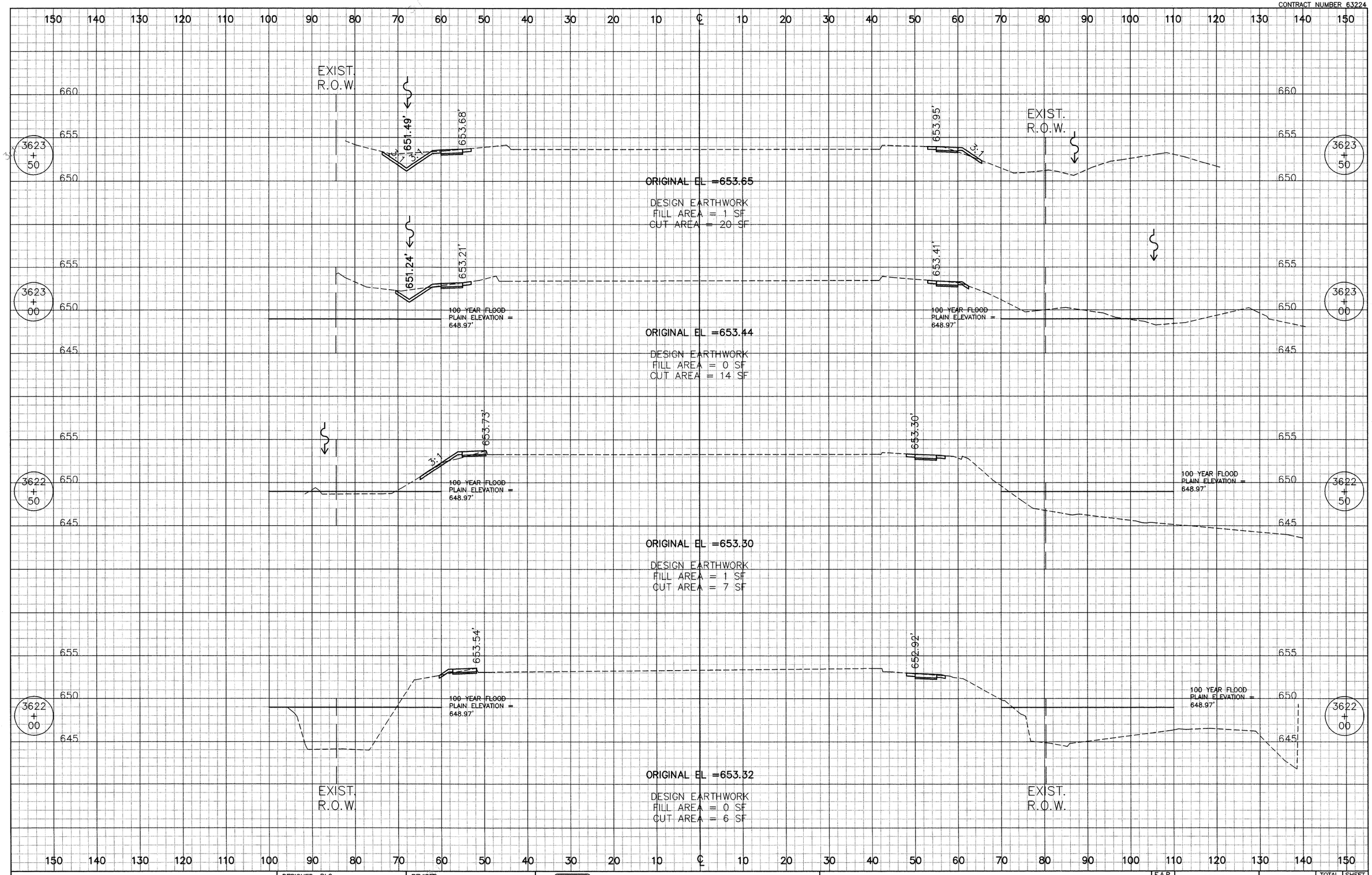
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3620+00 TO 3621+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	50
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DESIGNED	BLG	REVISED	-
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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

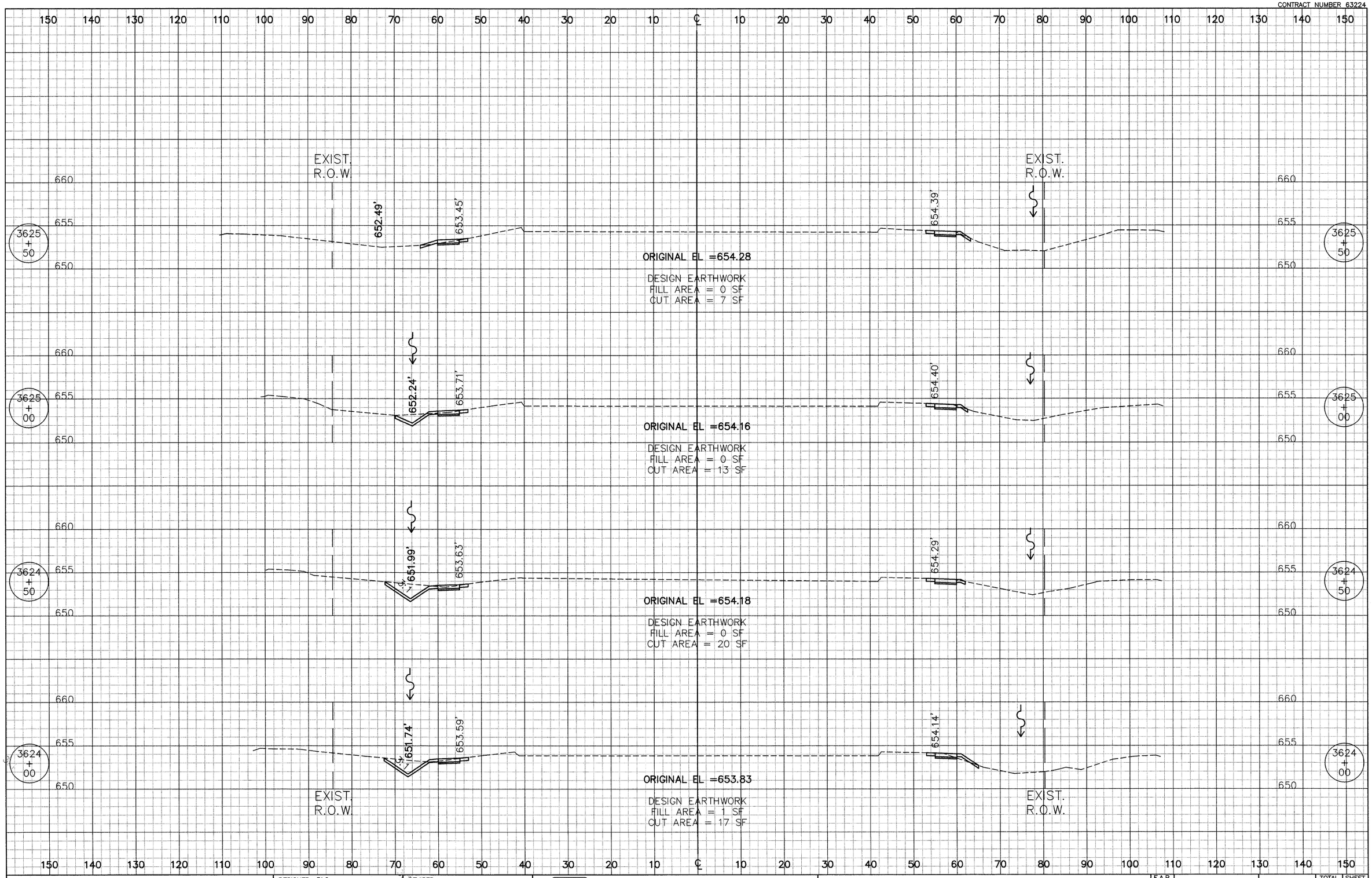
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3622+00 TO 3623+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	51
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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DRAWN	BLG	REVISED -
CHECKED	RTM	REVISED -
DATE	8/13/2009	REVISED -

CITY OF NAPERVILLE

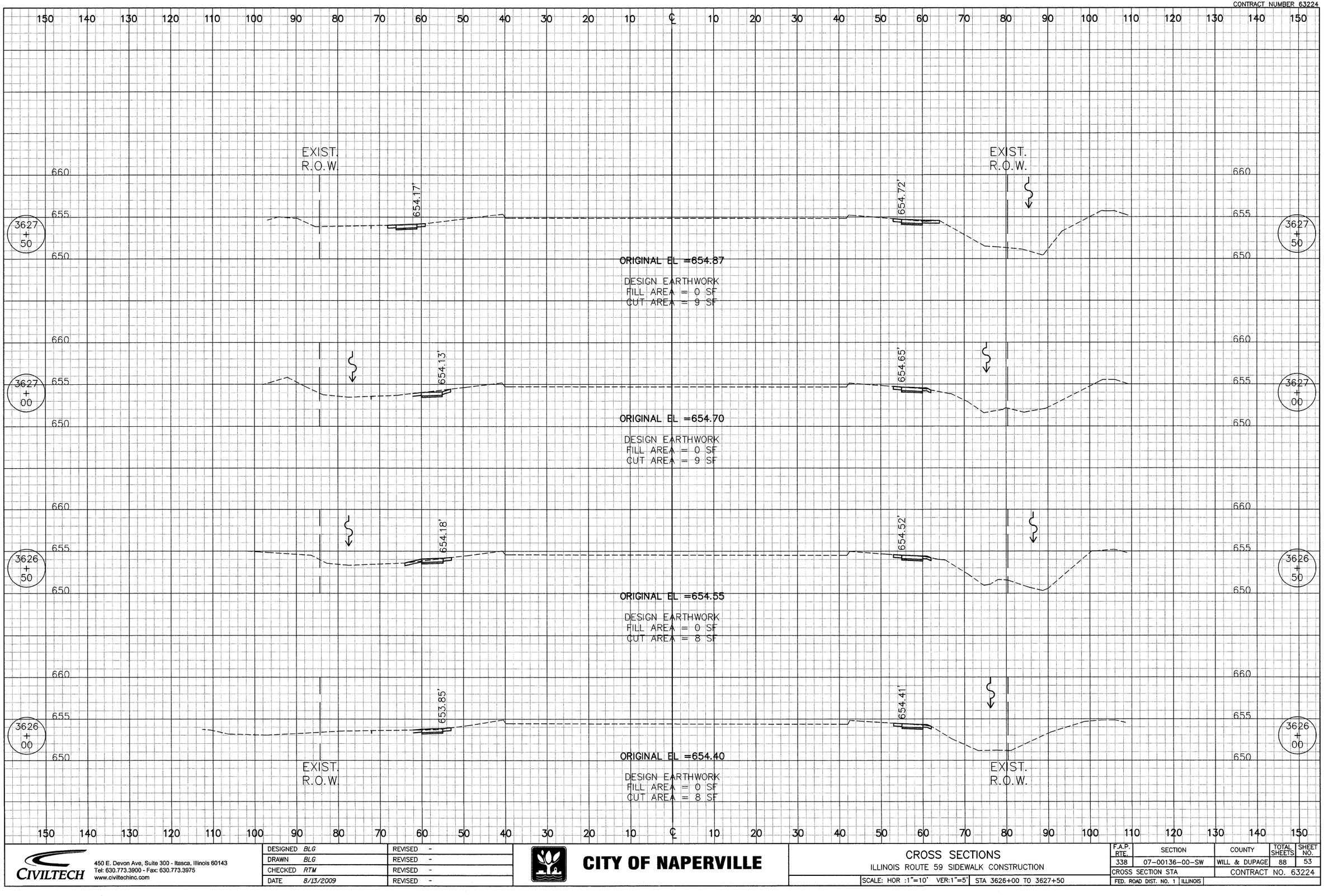
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3624+00 TO 3625+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	52
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

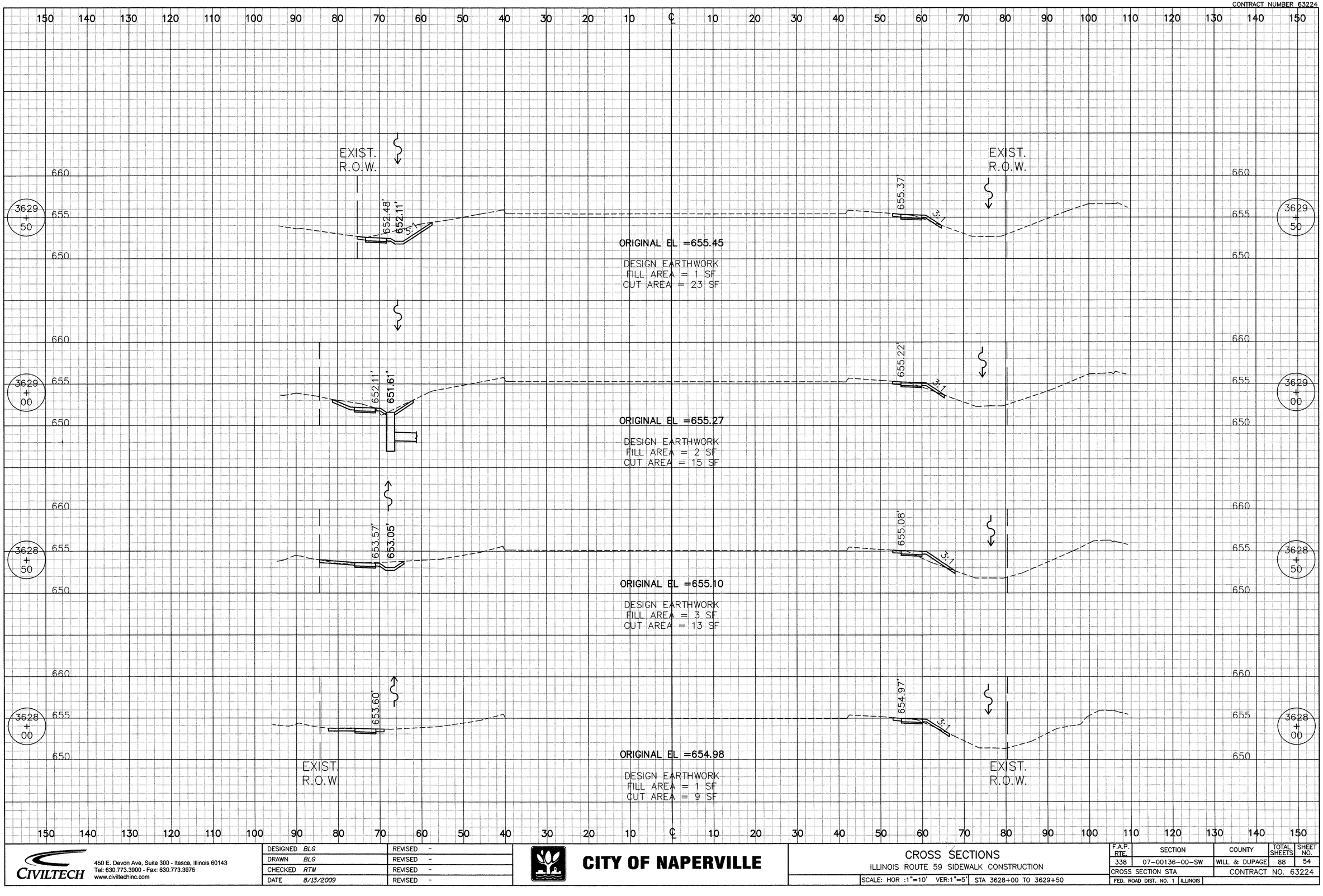
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3626+00 TO 3627+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	53
CROSS SECTION STA			CONTRACT NO. 63224	
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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CITY OF NAPERVILLE

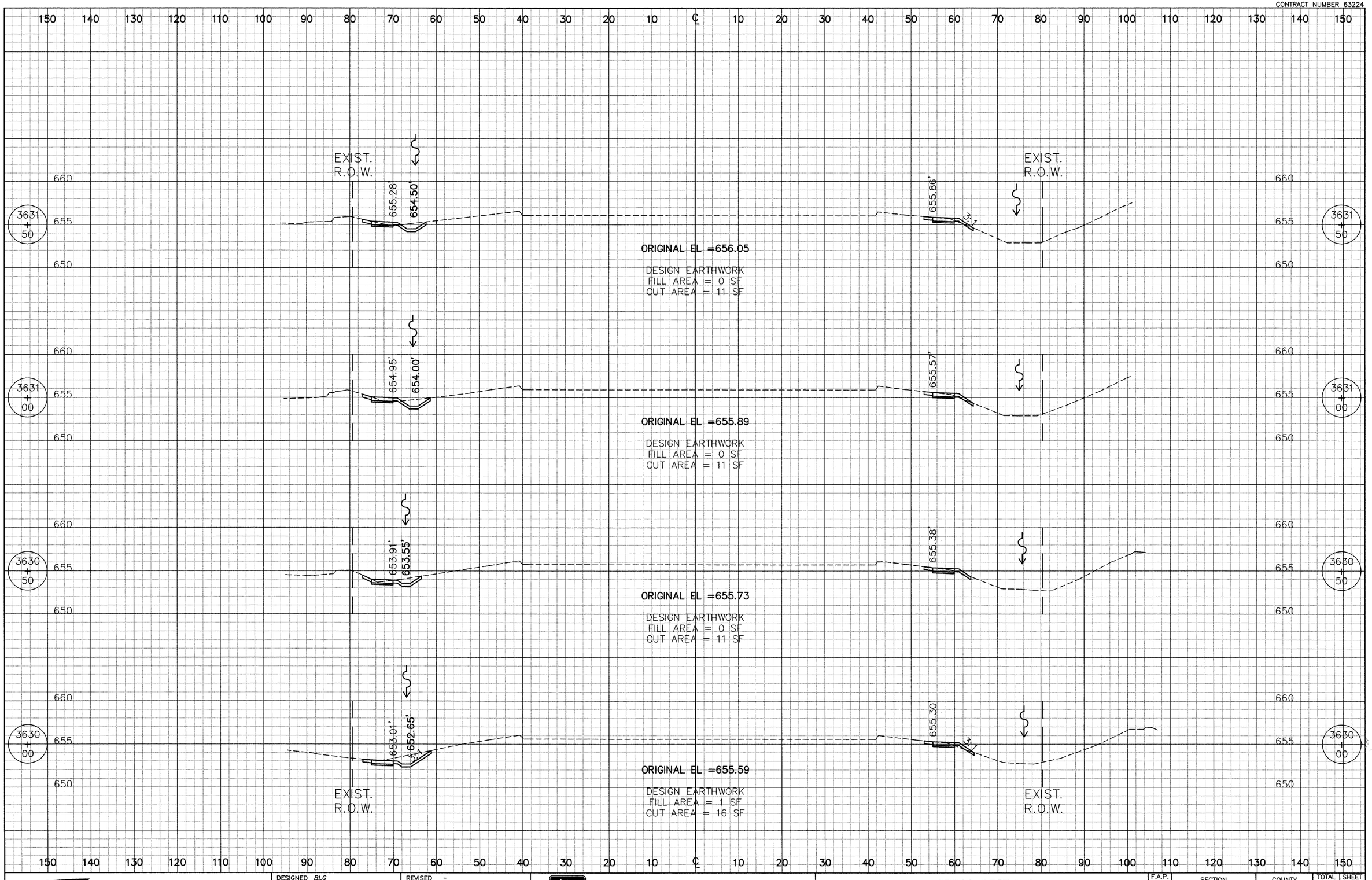
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3628+00 TO 3629+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	54
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

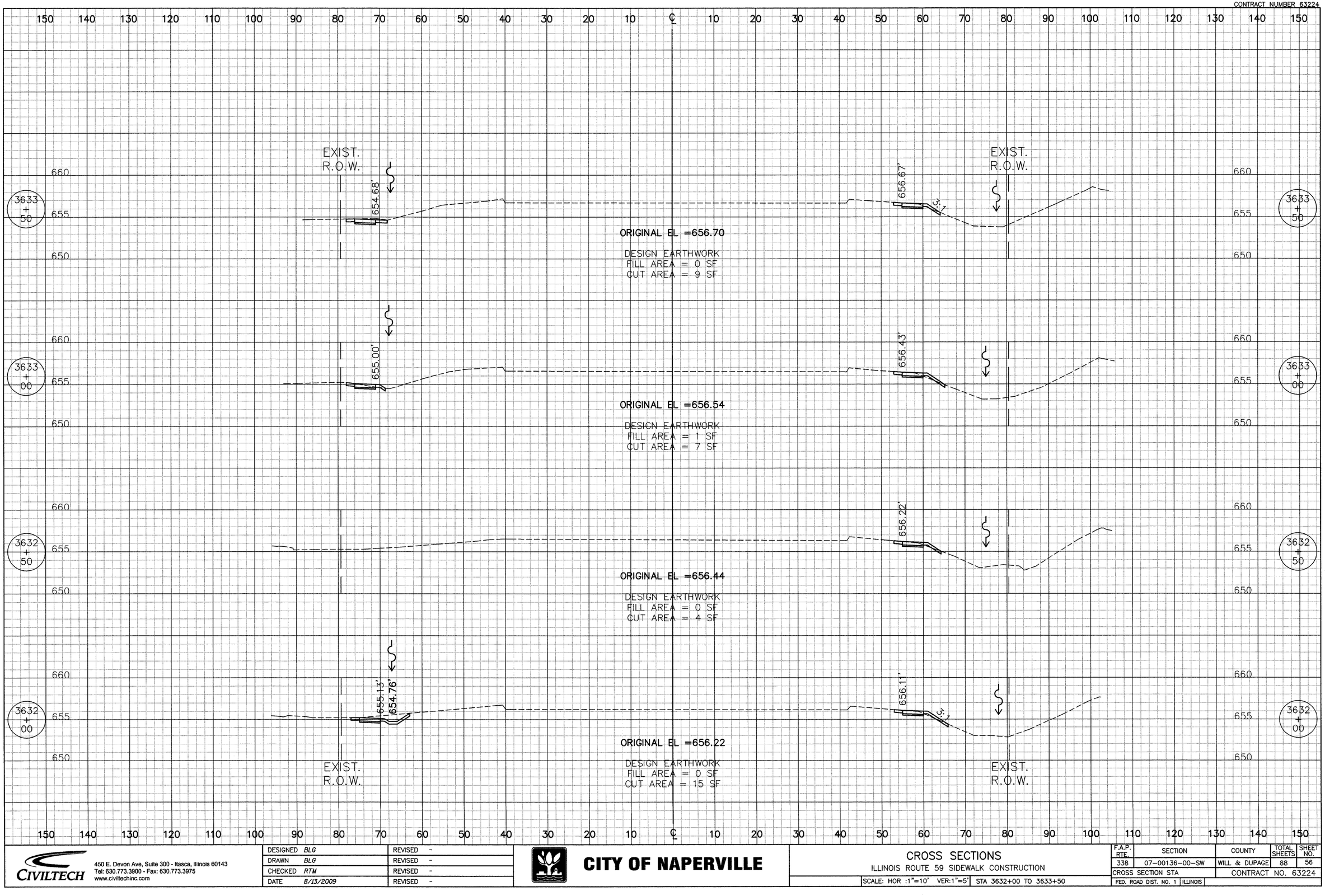
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3630+00 TO 3631+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	55
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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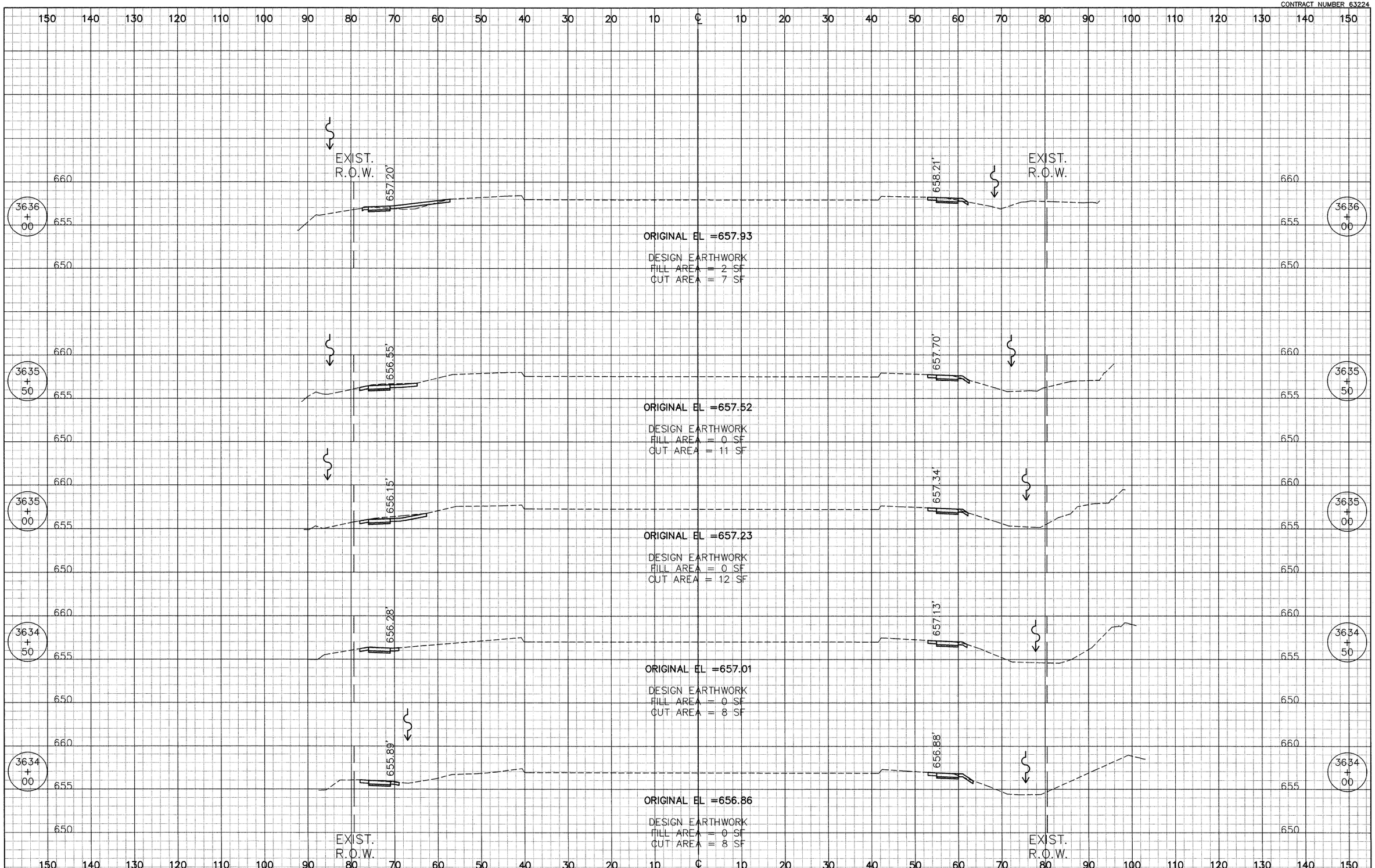
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3632+00 TO 3633+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	56
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

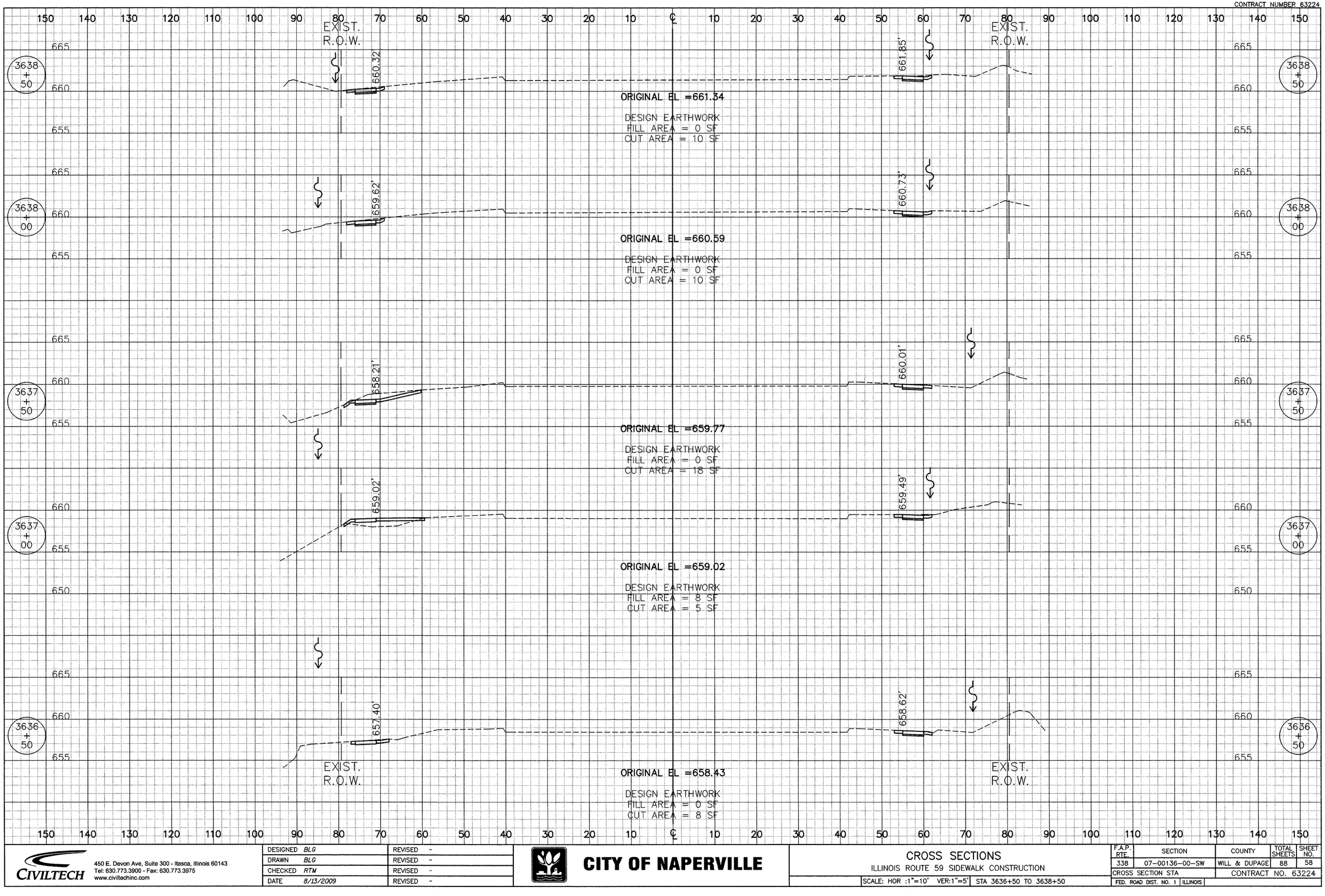
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3634+00 TO 3636+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	57
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED -

CITY OF NAPERVILLE

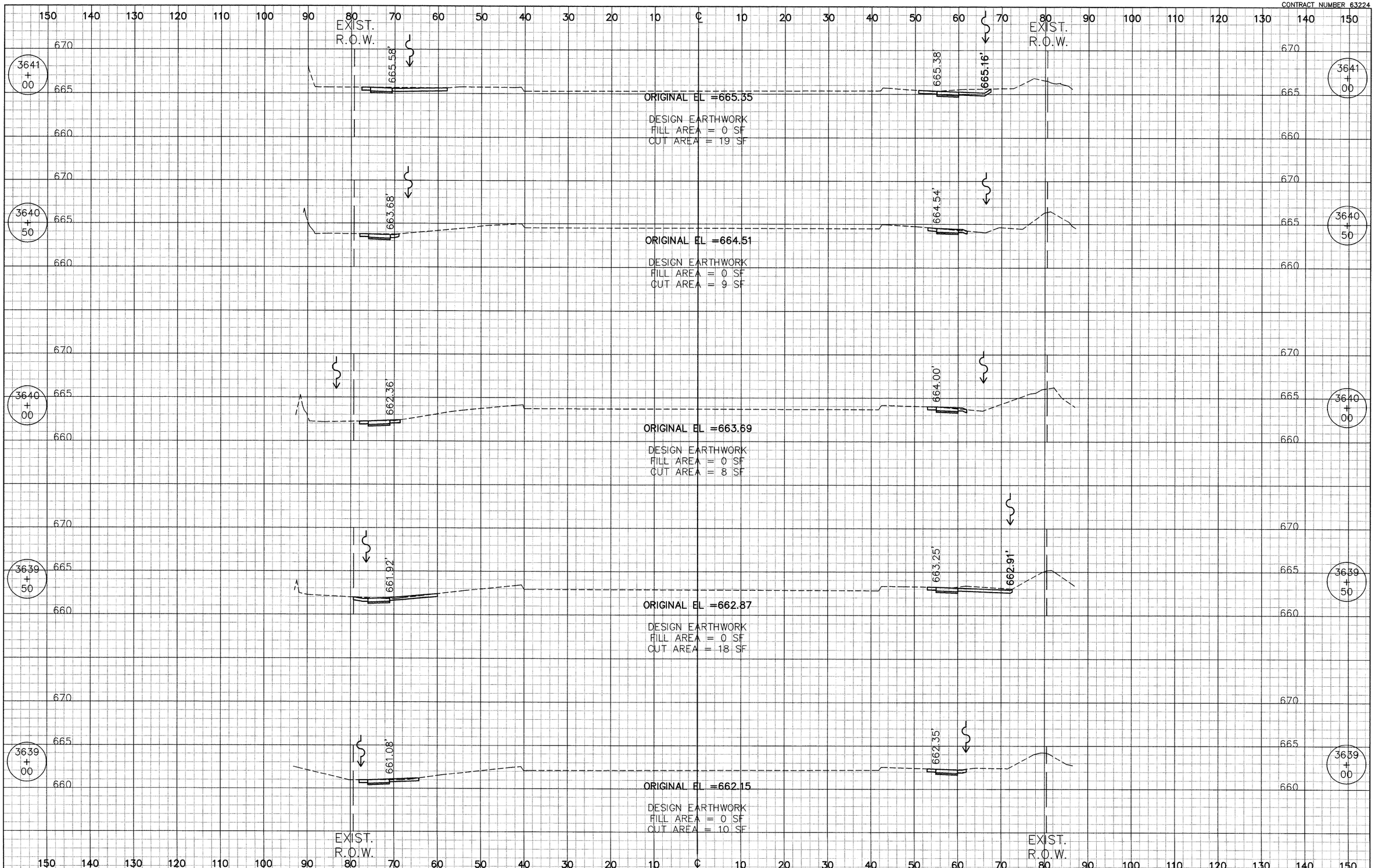
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3636+50 TO 3638+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	58
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3639+00 TO 3641+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	59
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

670
665
660

3643 + 00

EXIST. R.O.W.

667.89'

667.68'

EXIST. R.O.W.

3:1

ORIGINAL EL =667.89

DESIGN EARTHWORK
FILL AREA = 1 SF
CUT AREA = 8 SF

3642 + 50

667.96'

667.30'

ORIGINAL EL =667.24

DESIGN EARTHWORK
FILL AREA = 0 SF
CUT AREA = 11 SF

EXIST. R.O.W.

3642 + 00

ORIGINAL EL =666.84

DESIGN EARTHWORK
FILL AREA = 0 SF
CUT AREA = 0 SF

3641 + 50

666.72'

666.33'

EXIST. R.O.W.

ORIGINAL EL =666.01

DESIGN EARTHWORK
FILL AREA = 0 SF
CUT AREA = 15 SF

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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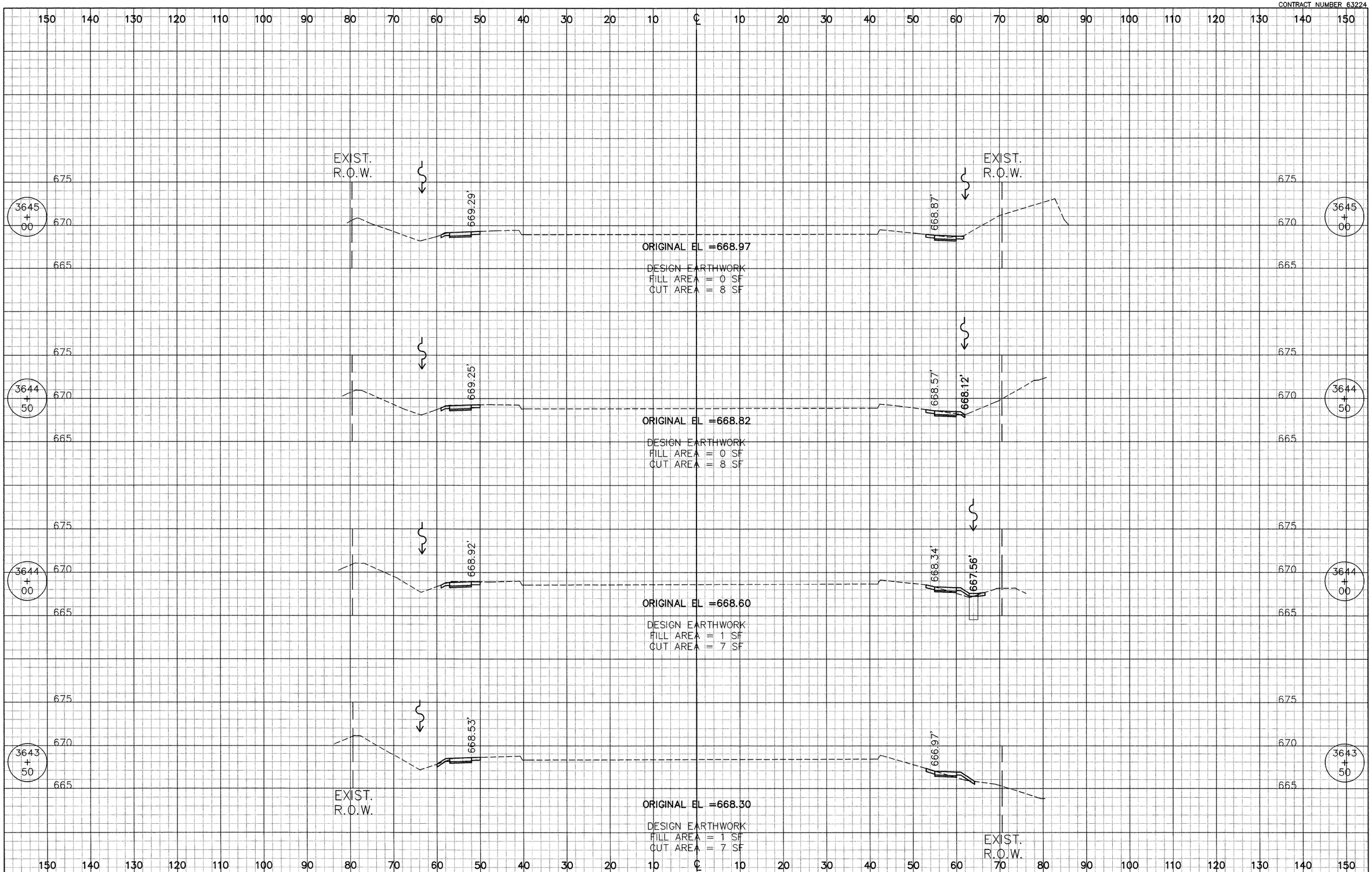
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3641+50 TO 3643+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	60
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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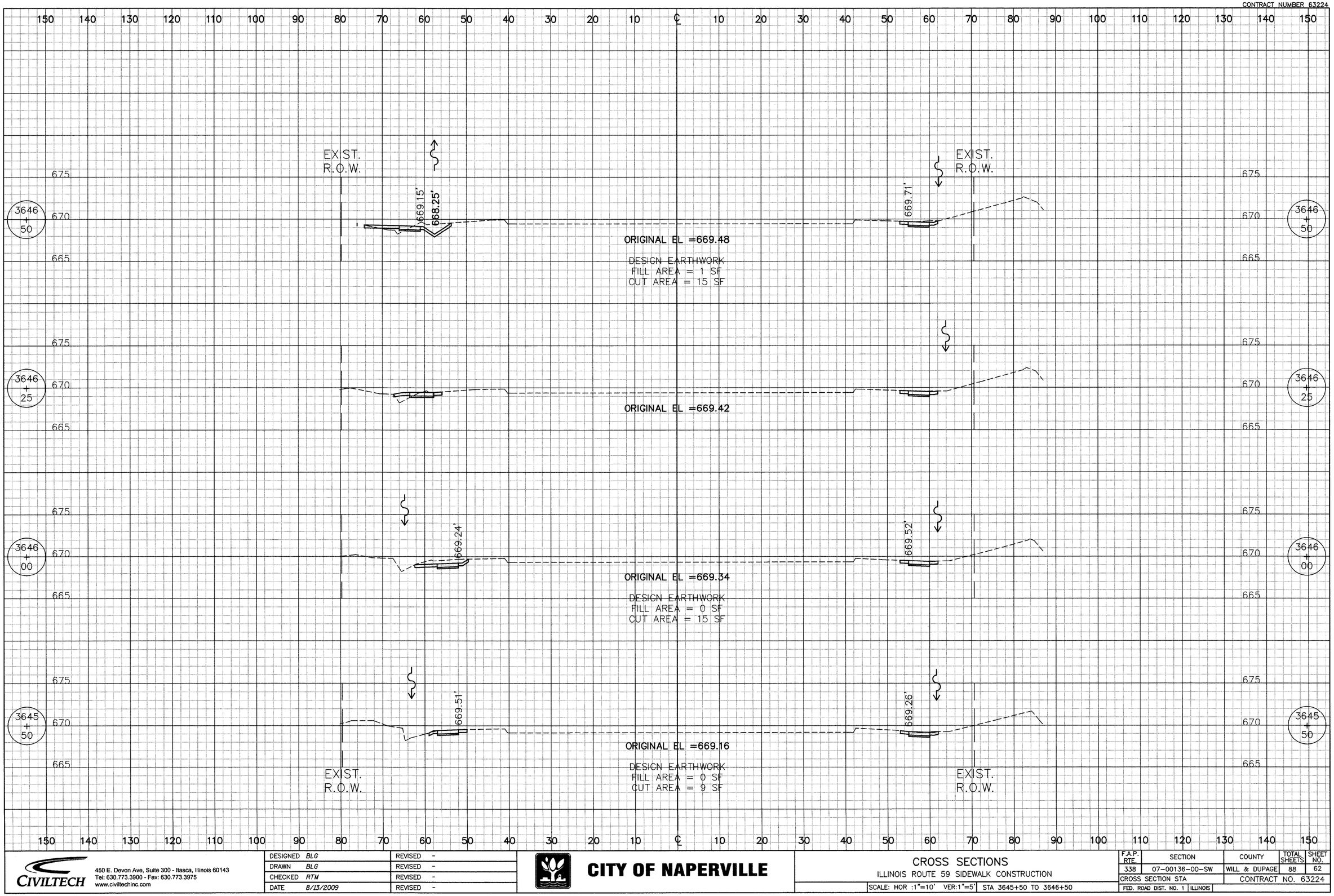
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3643+50 TO 3645+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	61
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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CITY OF NAPERVILLE

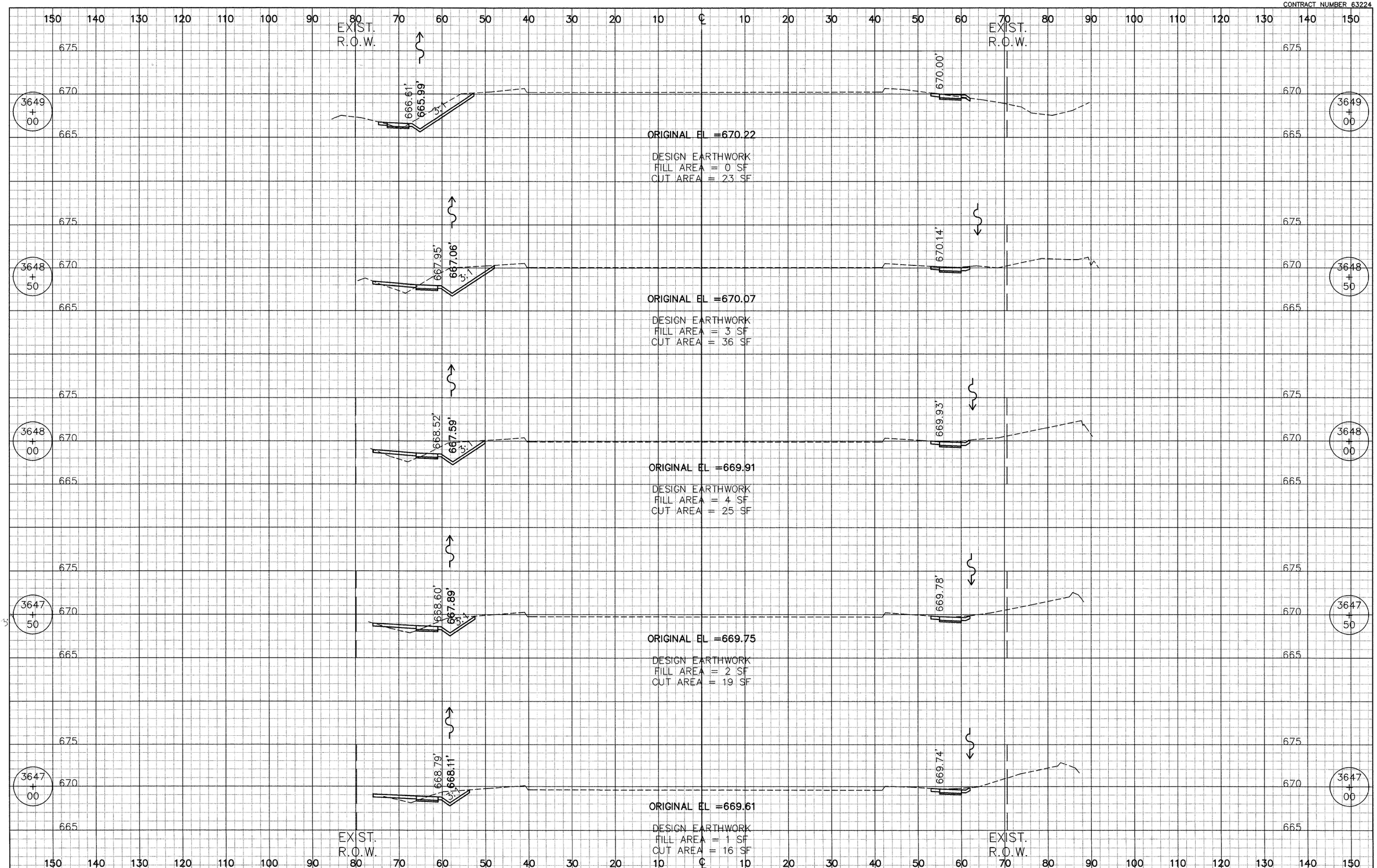
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3645+50 TO 3646+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	62
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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CITY OF NAPERVILLE

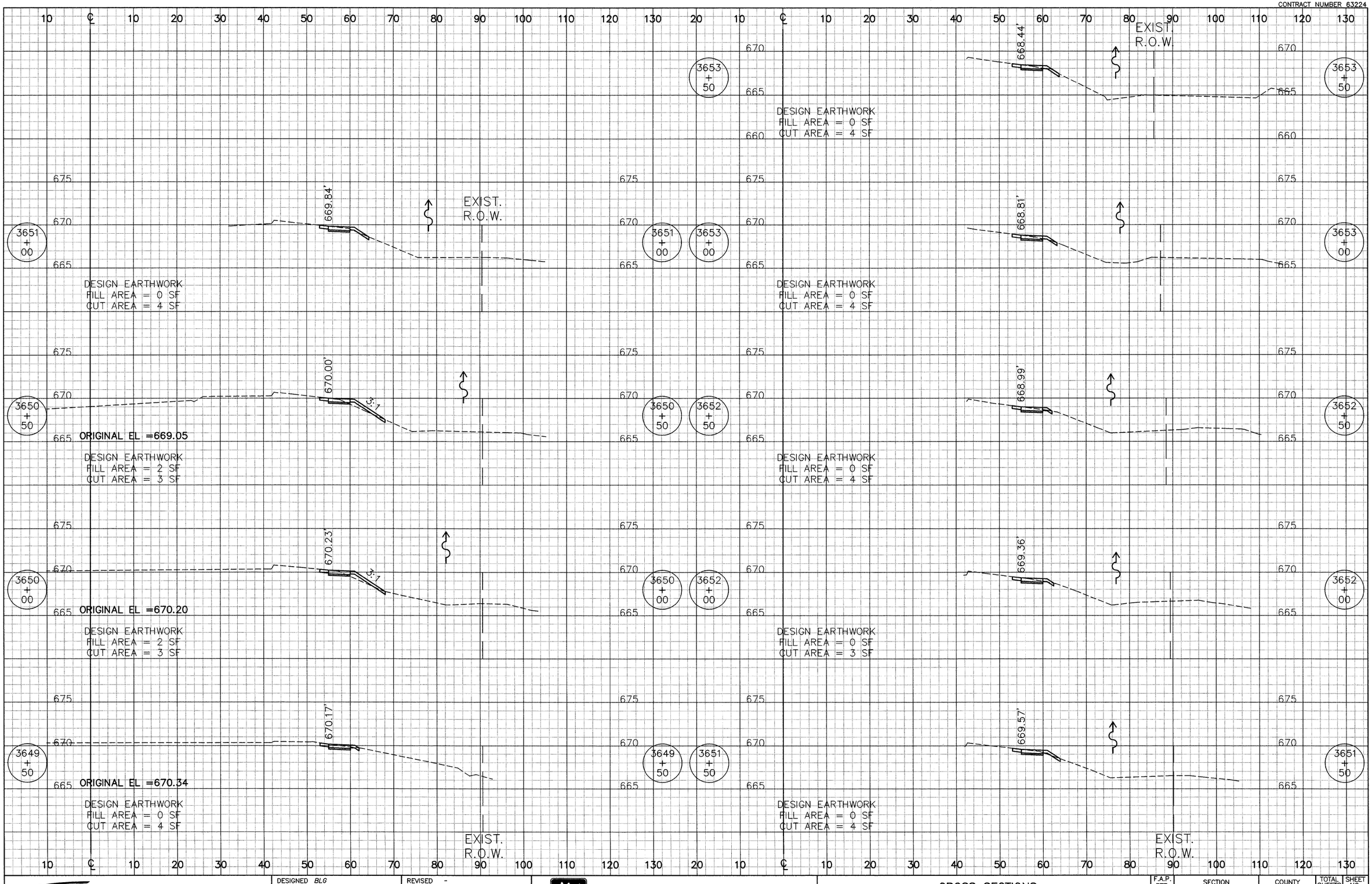
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3647+00 TO 3649+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	63
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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CITY OF NAPERVILLE

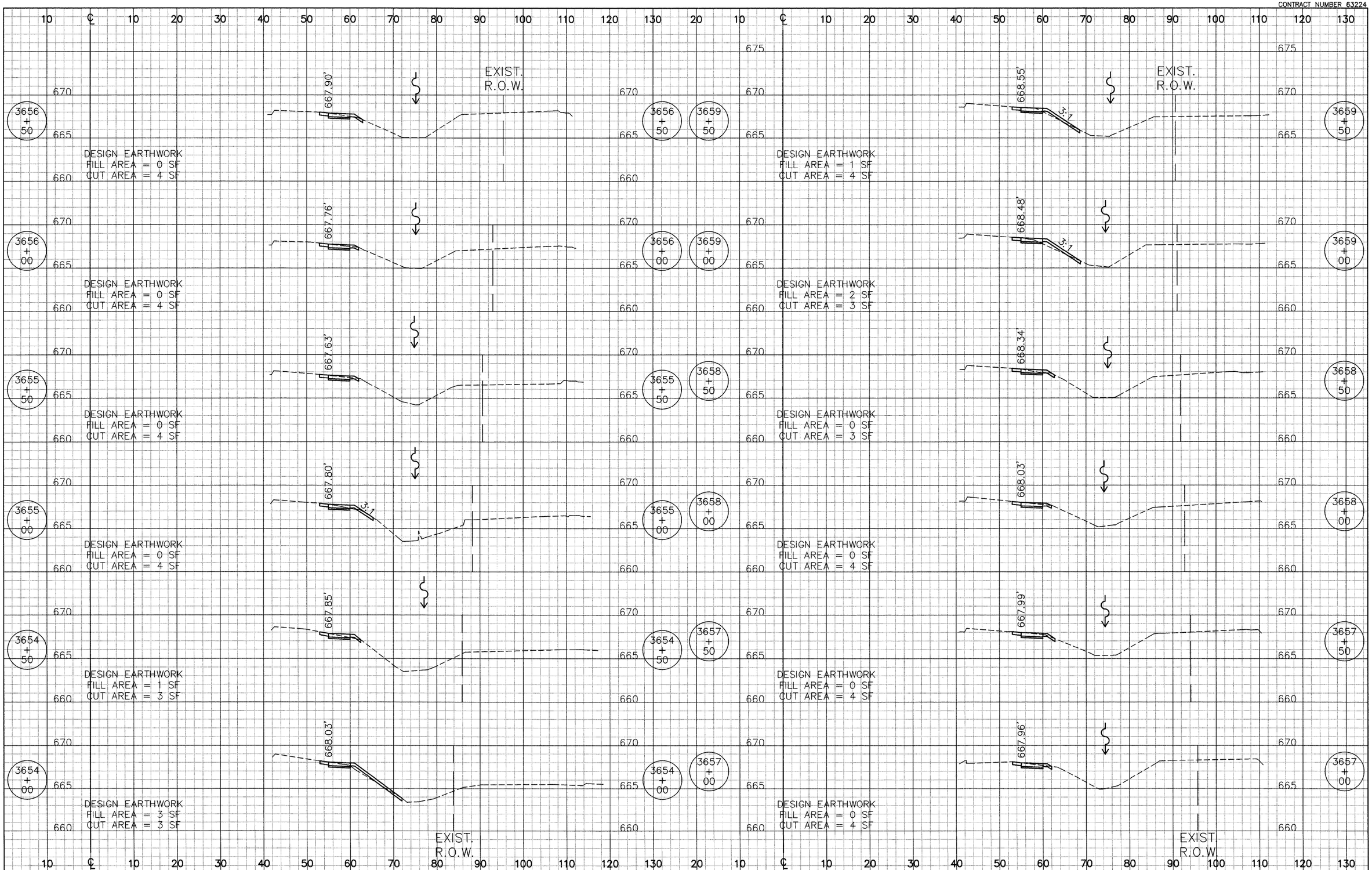
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3649+50 TO 3653+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	64
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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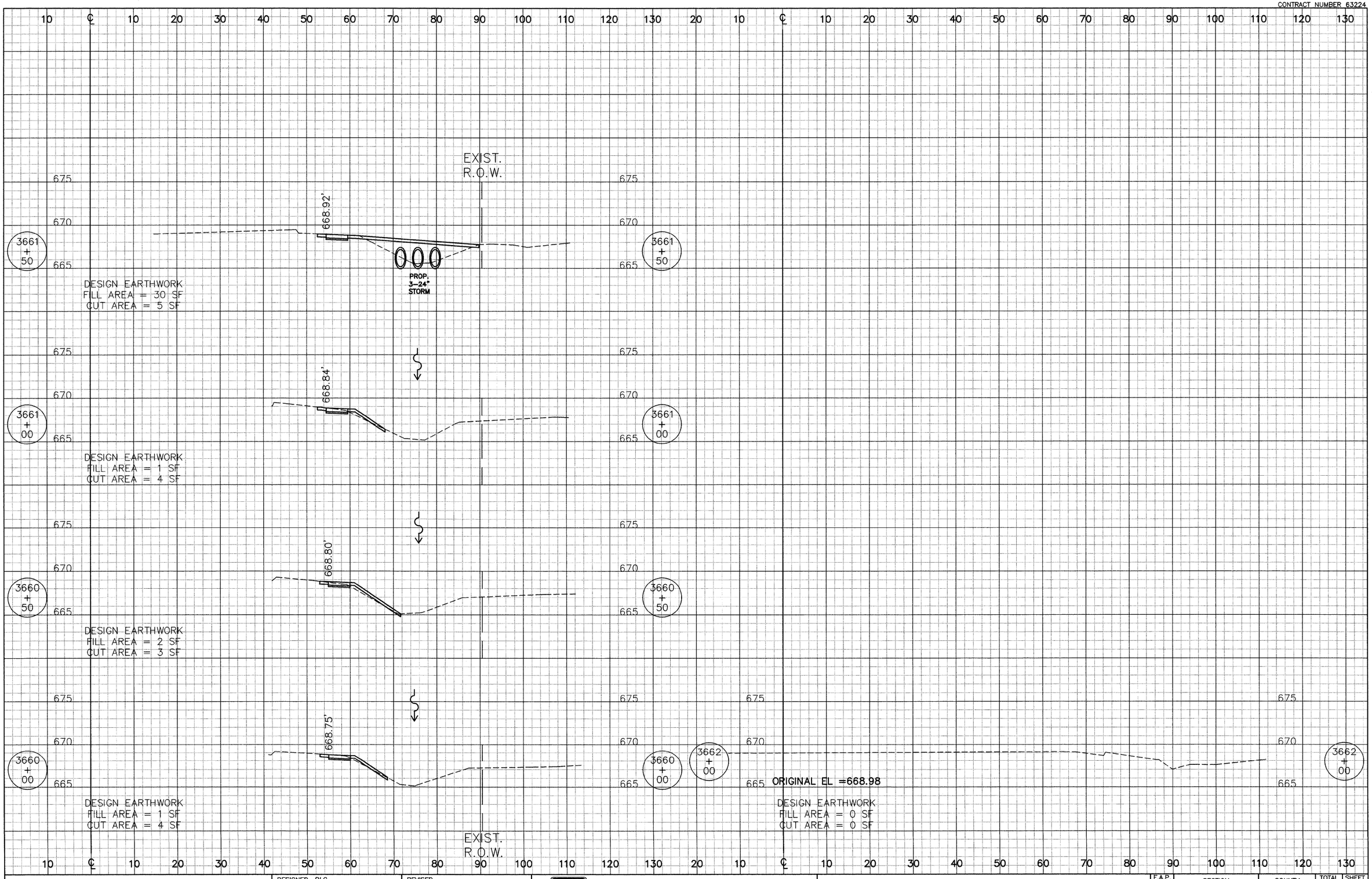
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3654+00 TO 3659+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	65
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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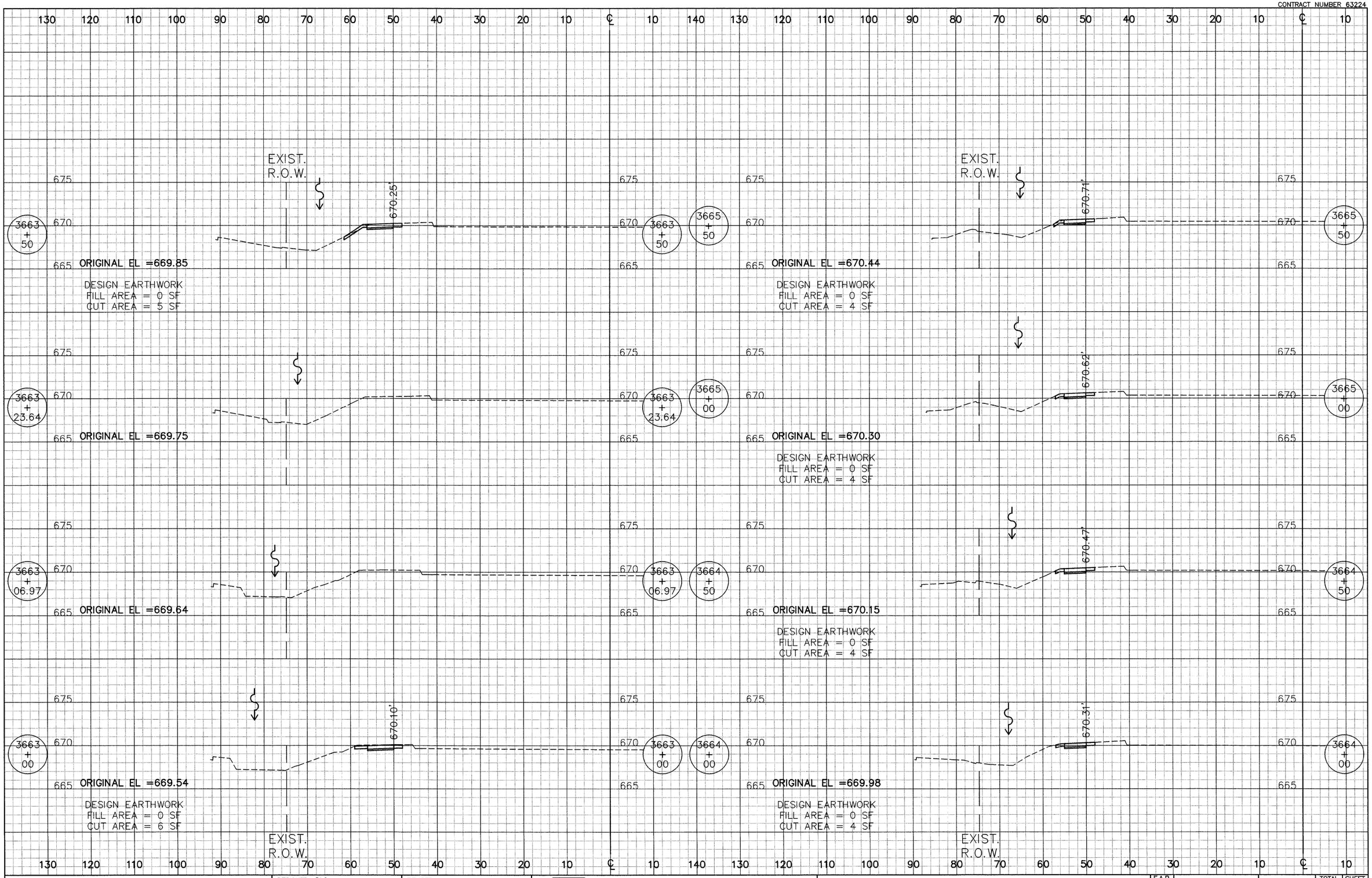
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3660+00 TO 3662+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	66
CROSS SECTION STA		CONTRACT NO. 63224		
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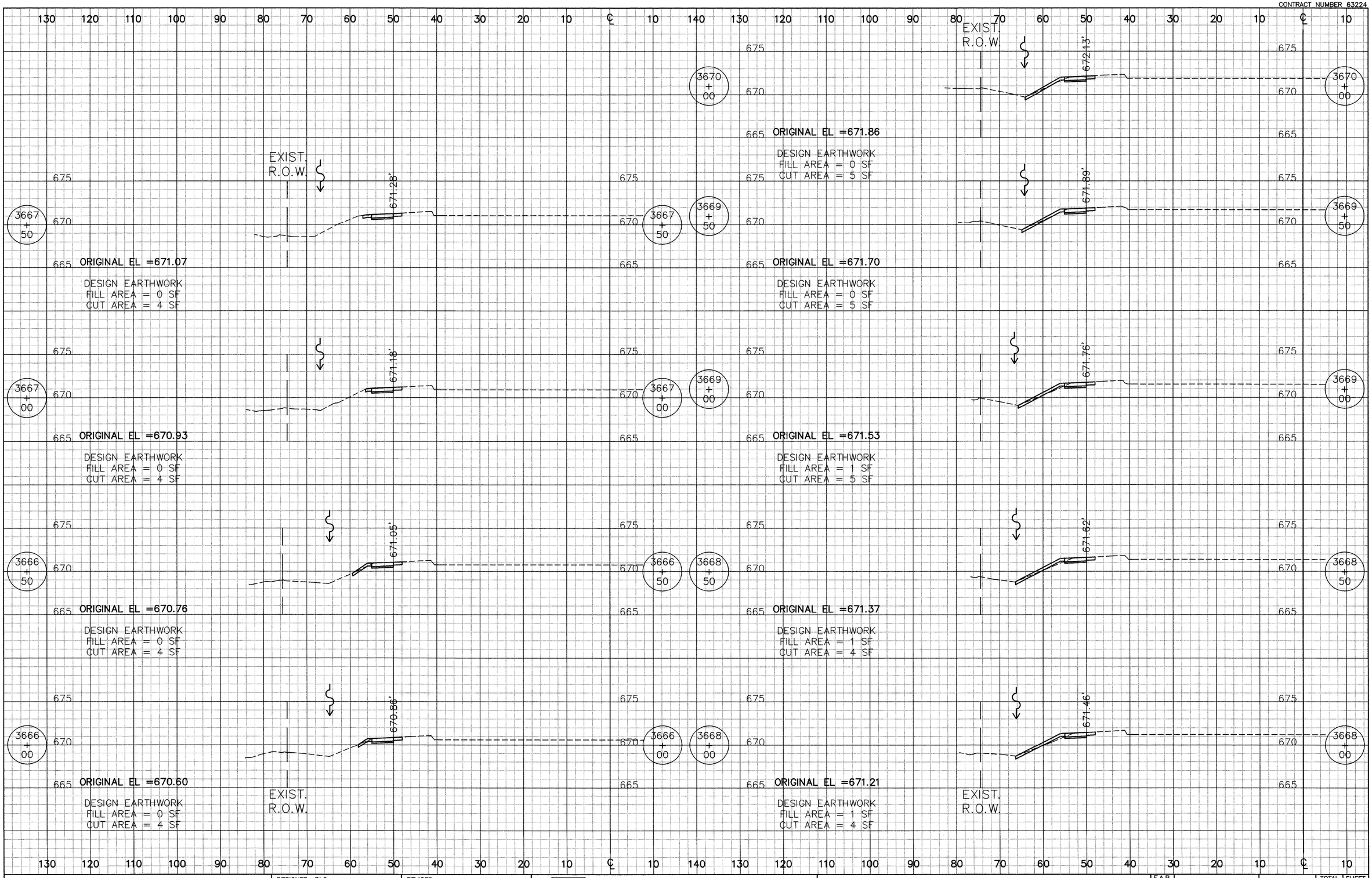
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3663+00 TO 3665+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	67
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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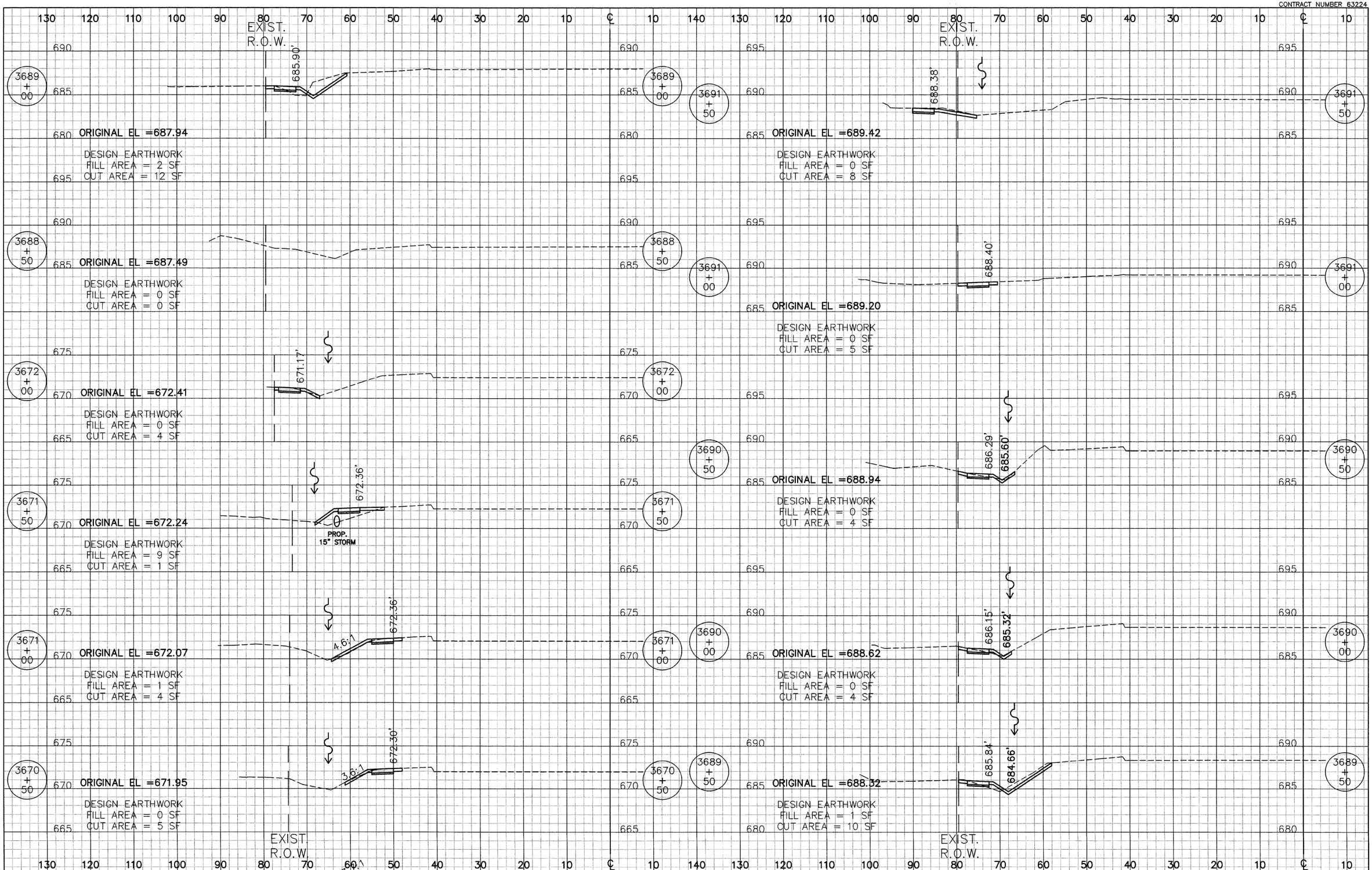
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DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

CROSS SECTIONS
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: HOR :1"=10' VER:1"=5' | STA 3666+00 TO 3670+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	68
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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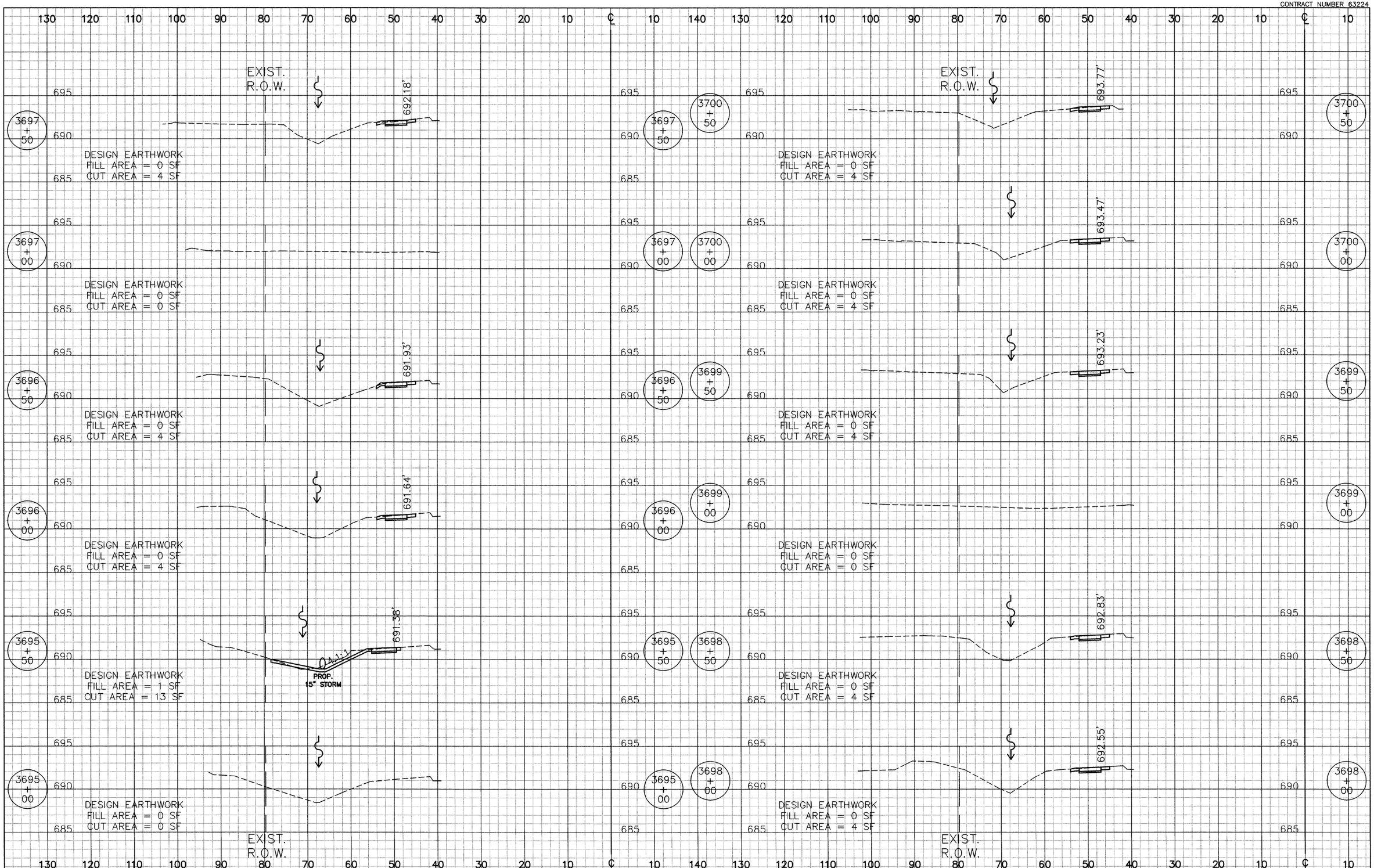
DESIGNED	BLG	REVISED	-
DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

CROSS SECTIONS
ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION
SCALE: HOR :1"=10' VER:1"=5' | STA 3670+50 TO 3691+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	69
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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CITY OF NAPERVILLE

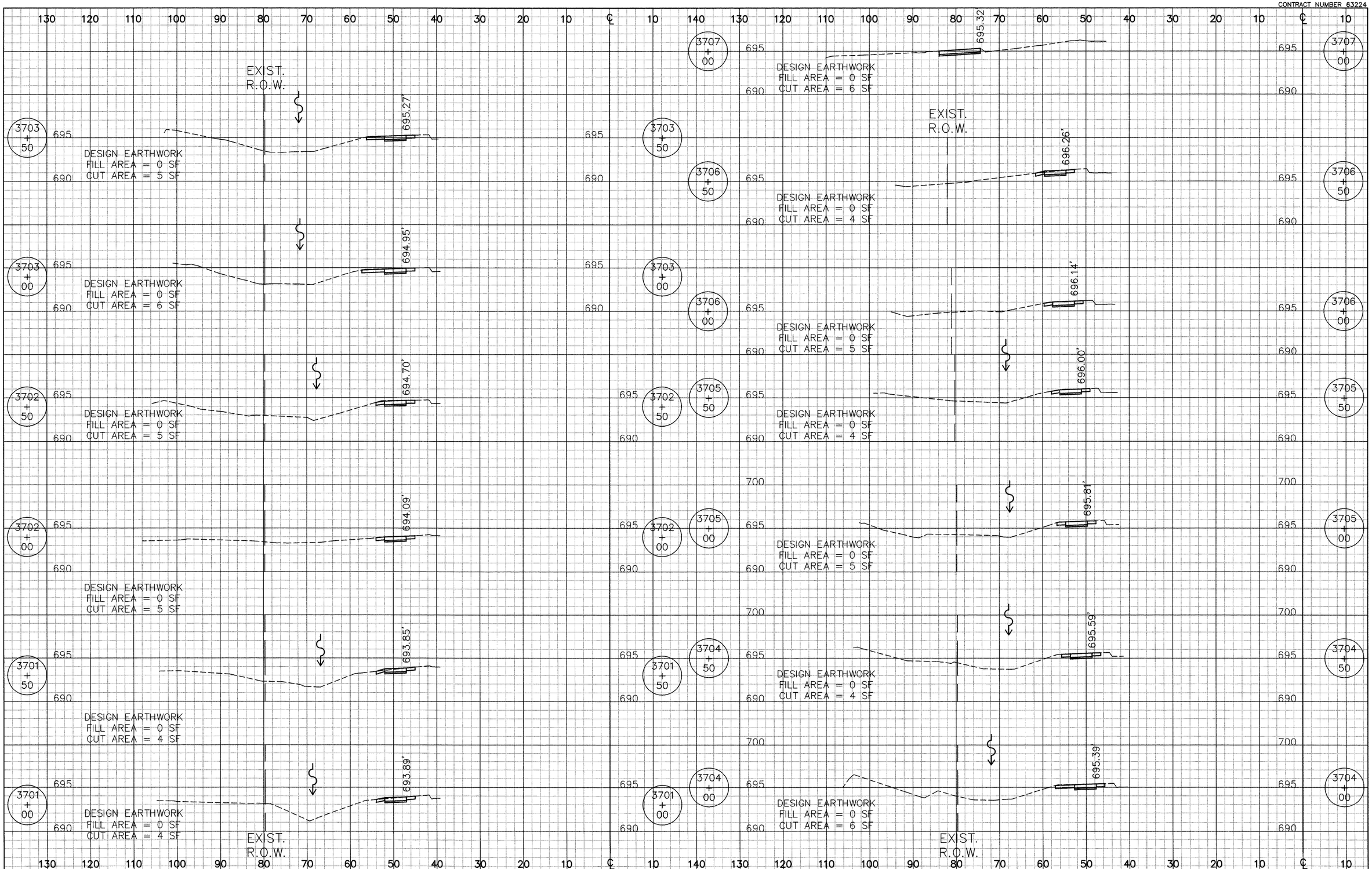
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3695+00 TO 3700+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	70
CROSS SECTION STA			CONTRACT NO. 63224	
FED. ROAD DIST. NO. 1	ILLINOIS			

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CITY OF NAPERVILLE

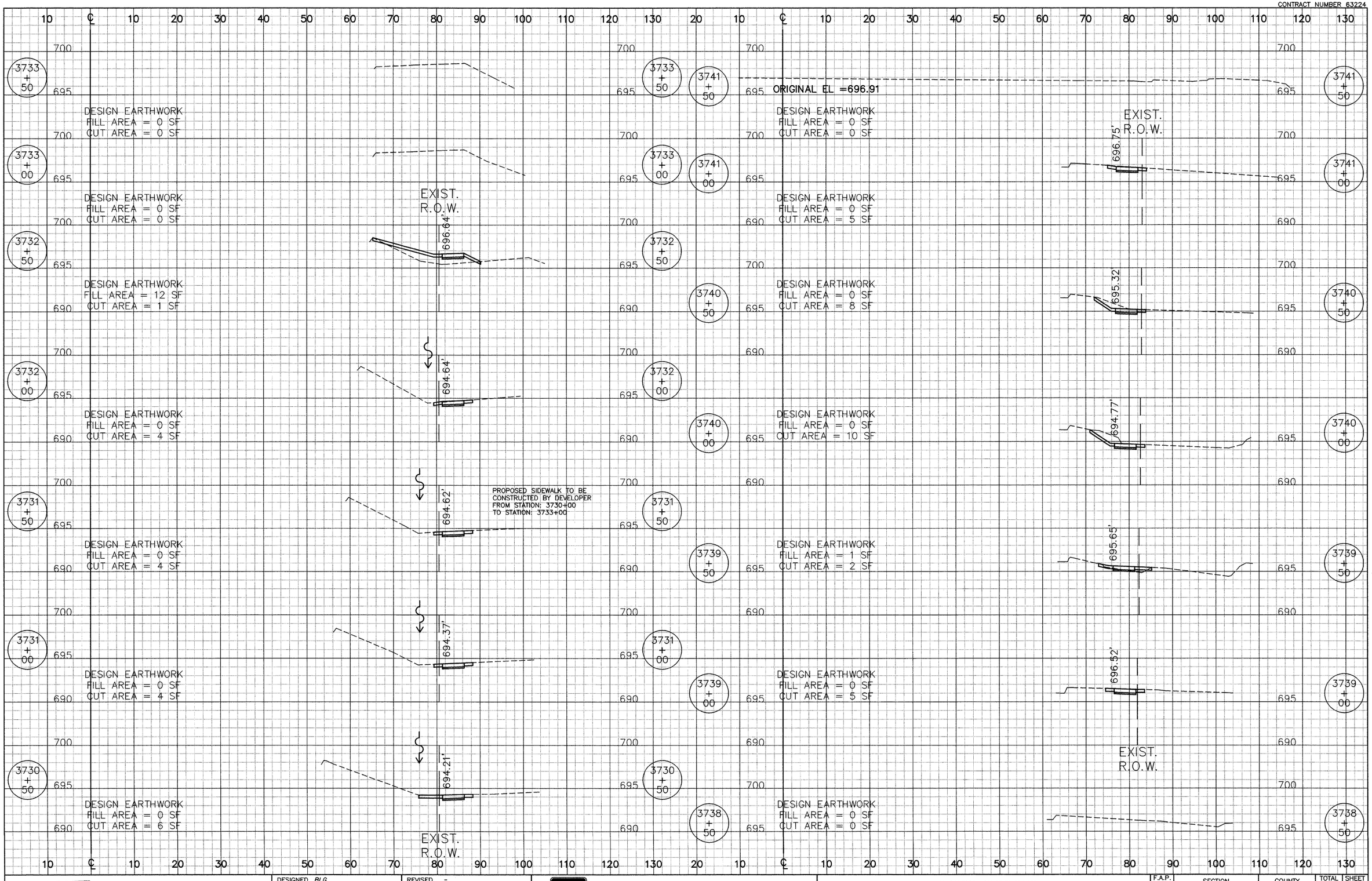
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3701+00 TO 3707+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	71
CROSS SECTION STA			CONTRACT NO. 63224	
FED. ROAD DIST. NO. 1	ILLINOIS			

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CITY OF NAPERVILLE

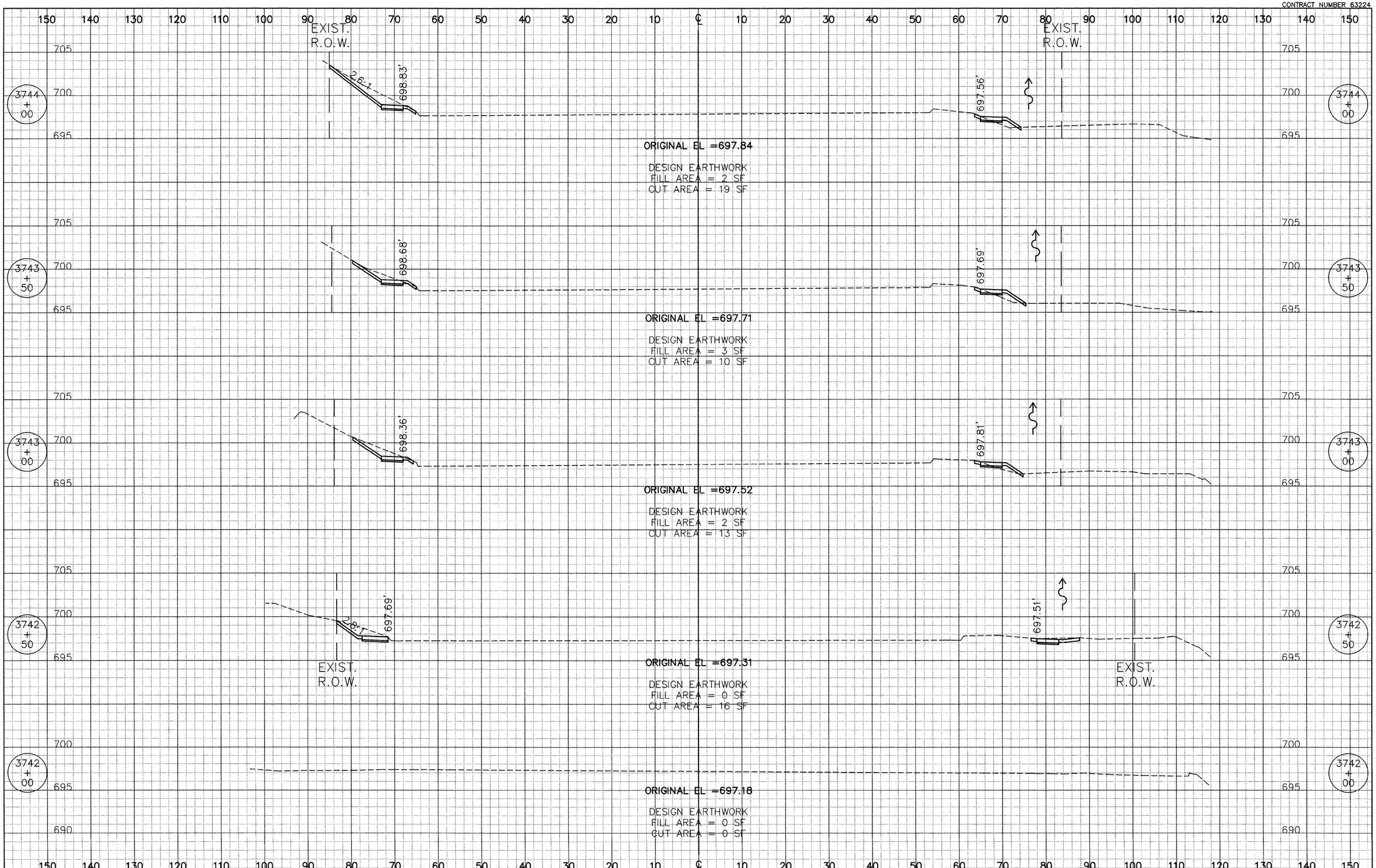
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' STA 3730+50 TO 3741+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	72
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



CIVILTECH
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DESIGNED	BLG	REVISED	-
DRAWN	BLG	REVISED	-
CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

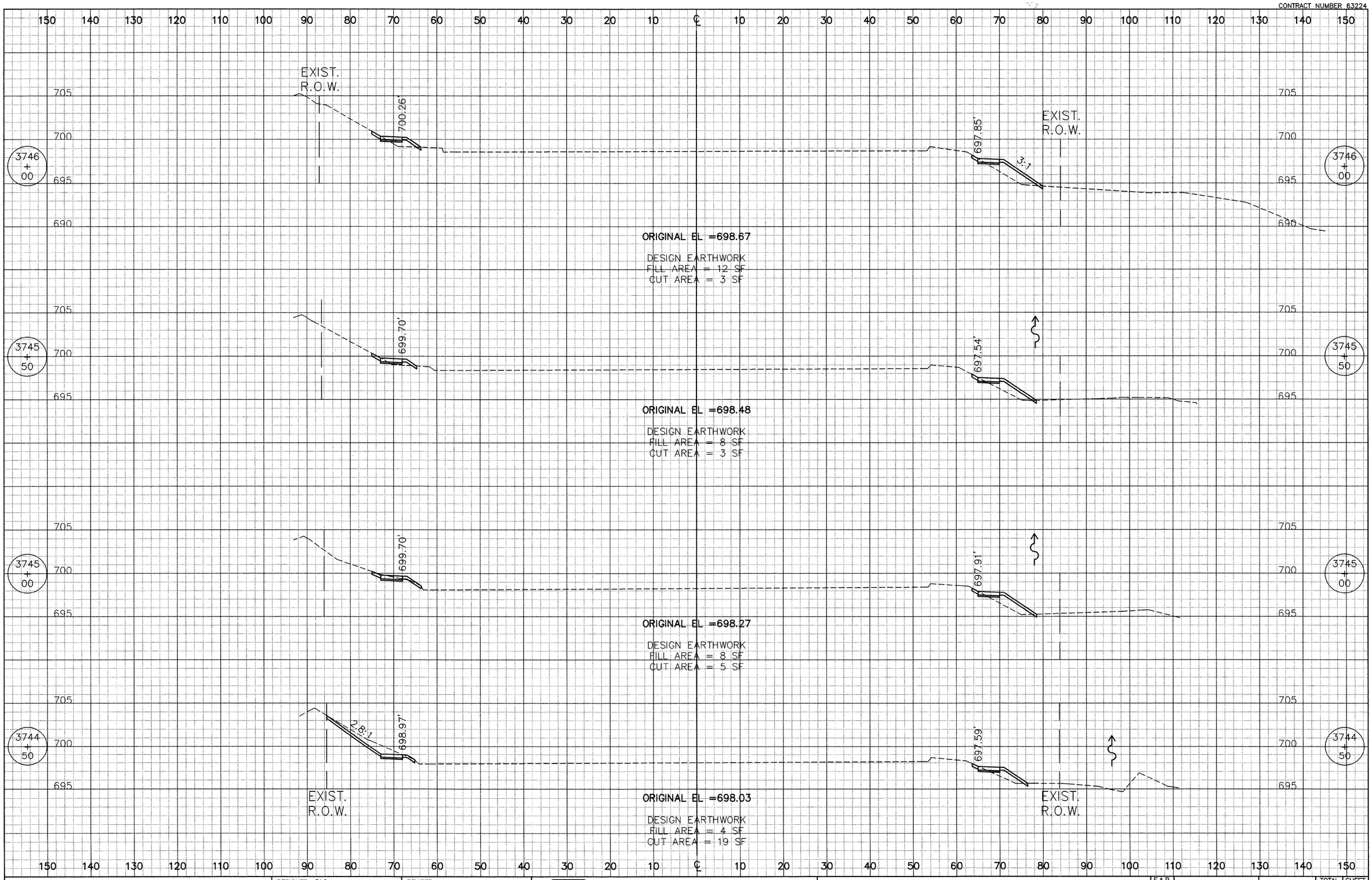
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3742+00 TO 3744+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	73
CROSS SECTION STA			CONTRACT NO. 63224	
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED -

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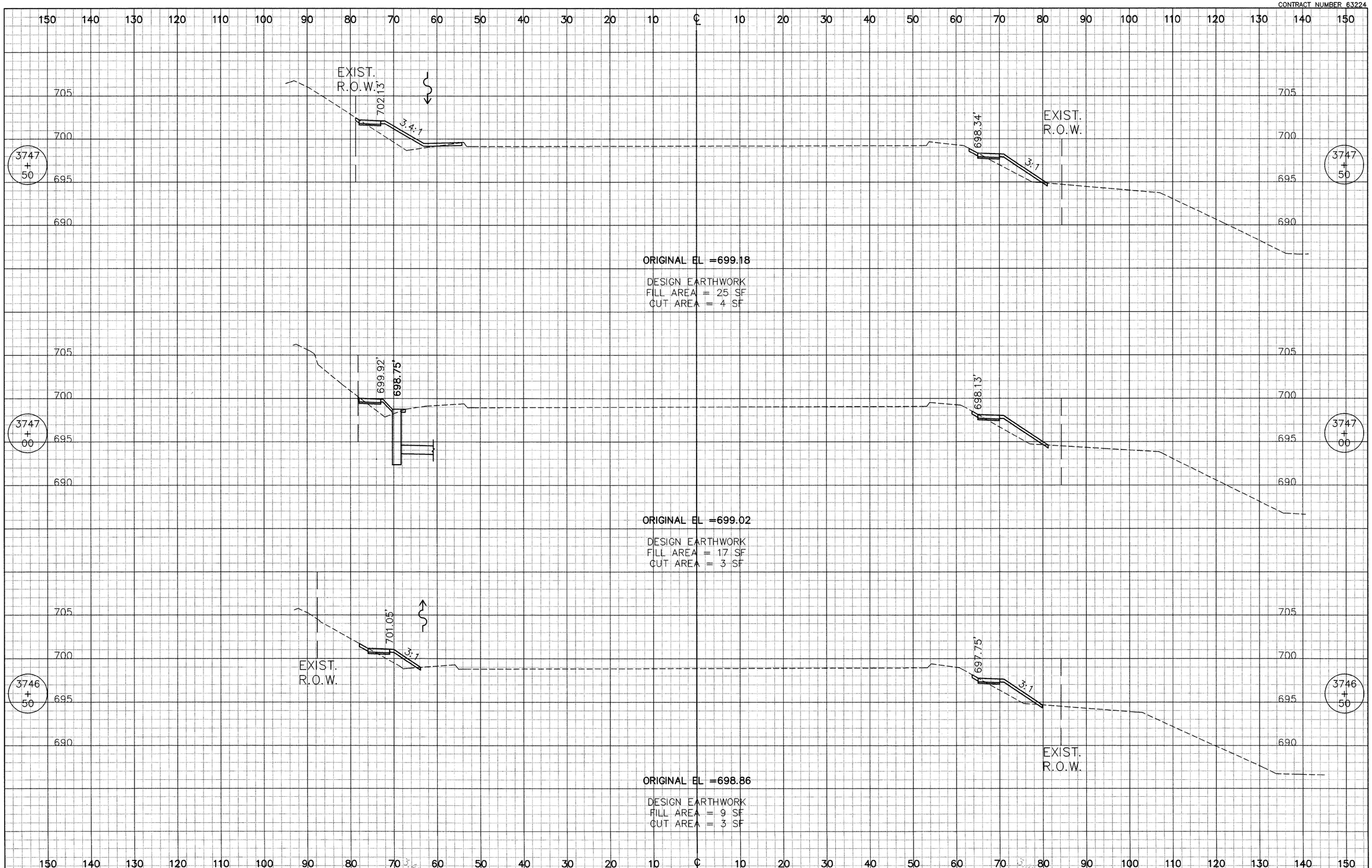
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3744+50 TO 3746+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	74
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

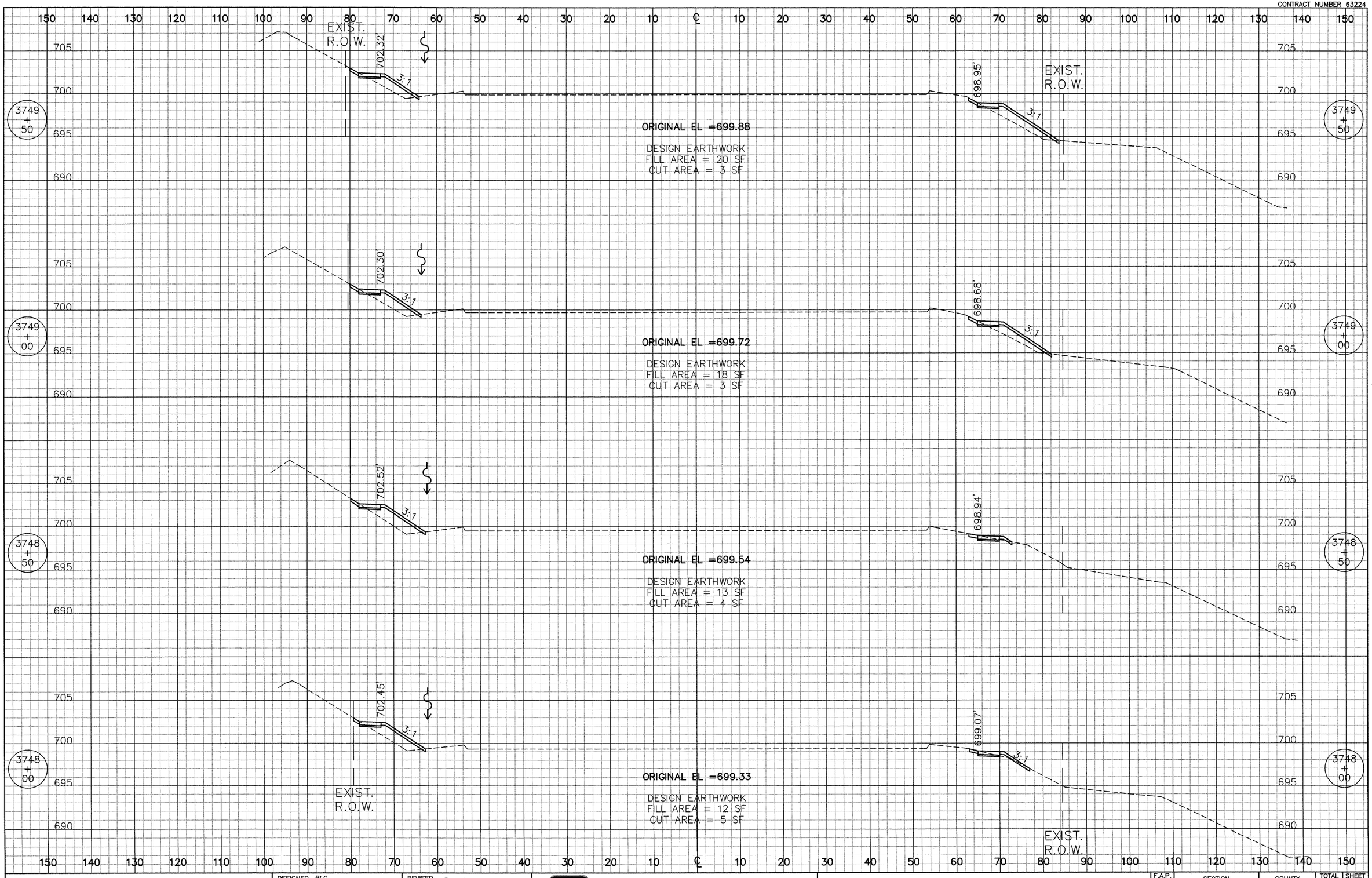
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3746+50 TO 3747+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	75
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

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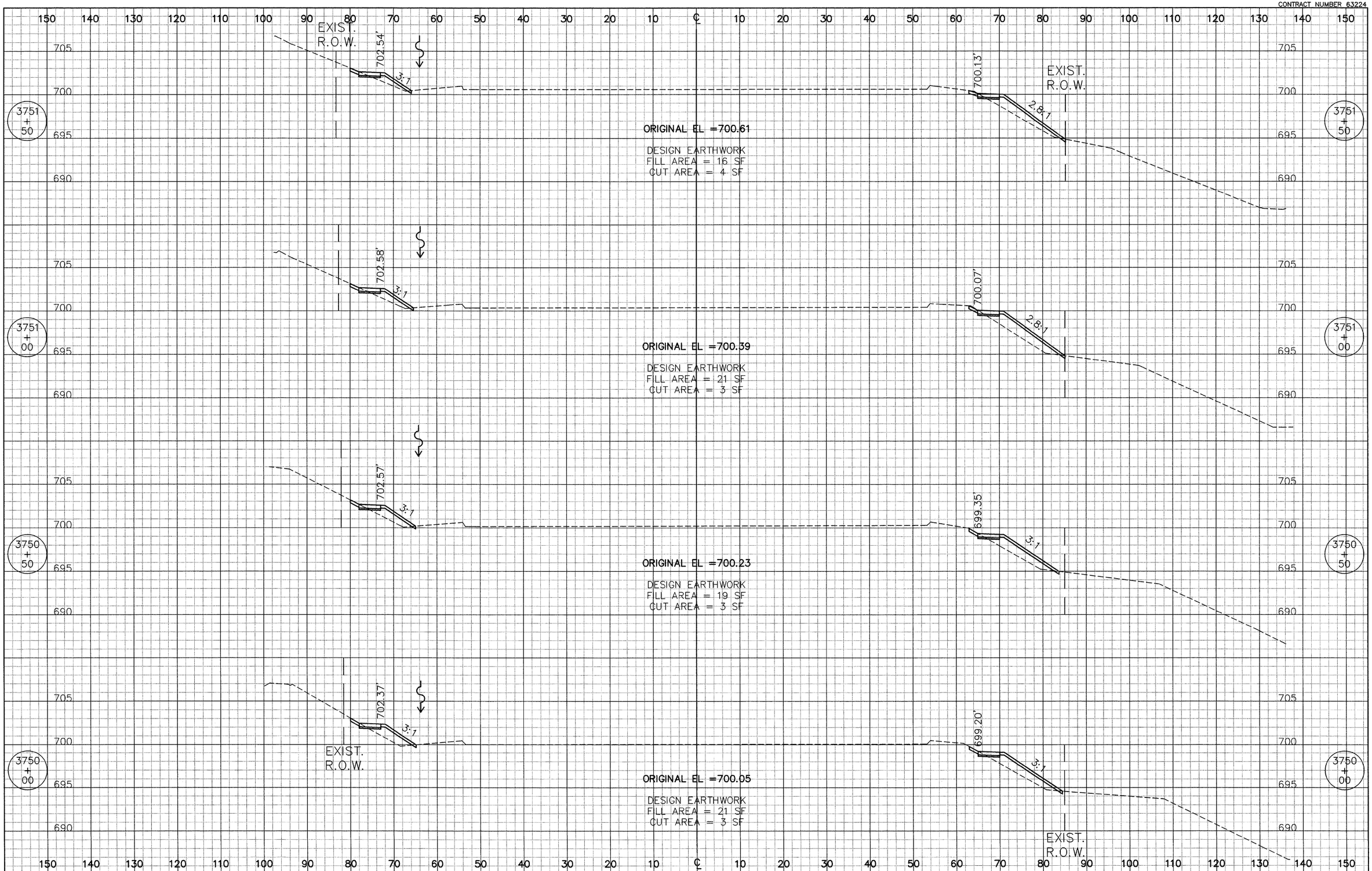
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3748+00 TO 3749+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	76
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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CHECKED	RTM	REVISED	-
DATE	8/13/2009	REVISED	-

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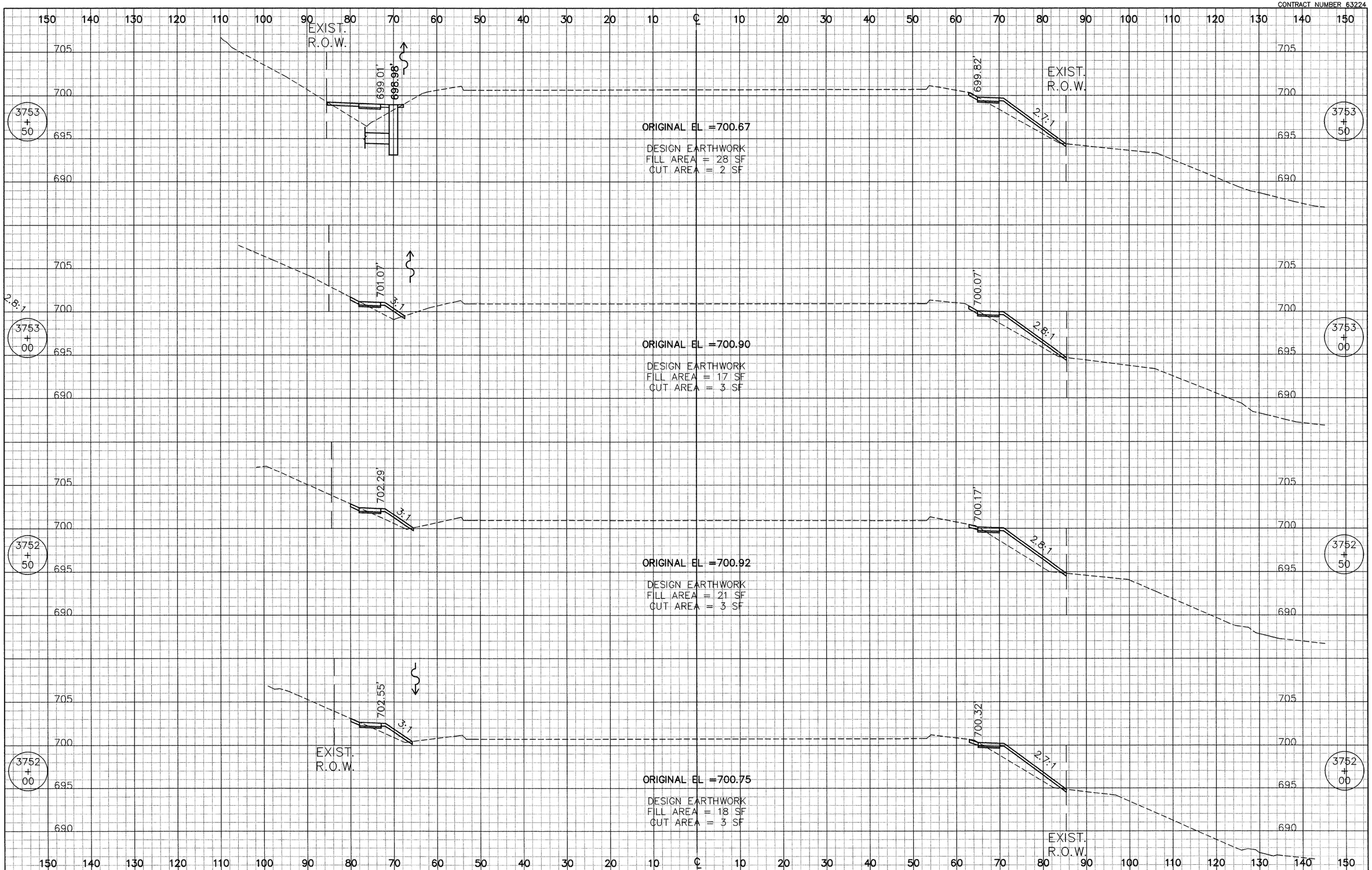
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' STA 3750+00 TO 3751+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	77
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED	-

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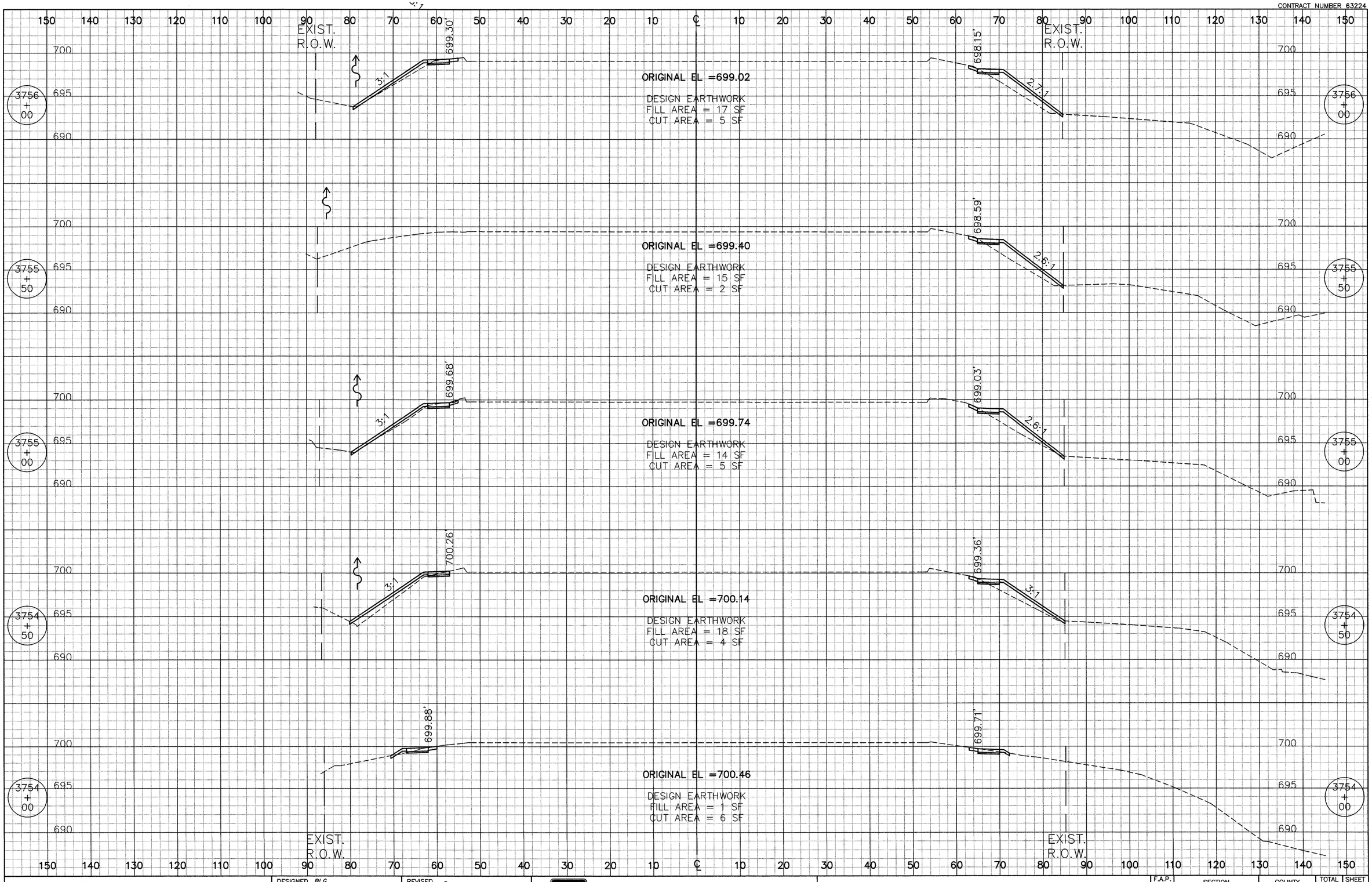
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' STA 3752+00 TO 3753+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	78
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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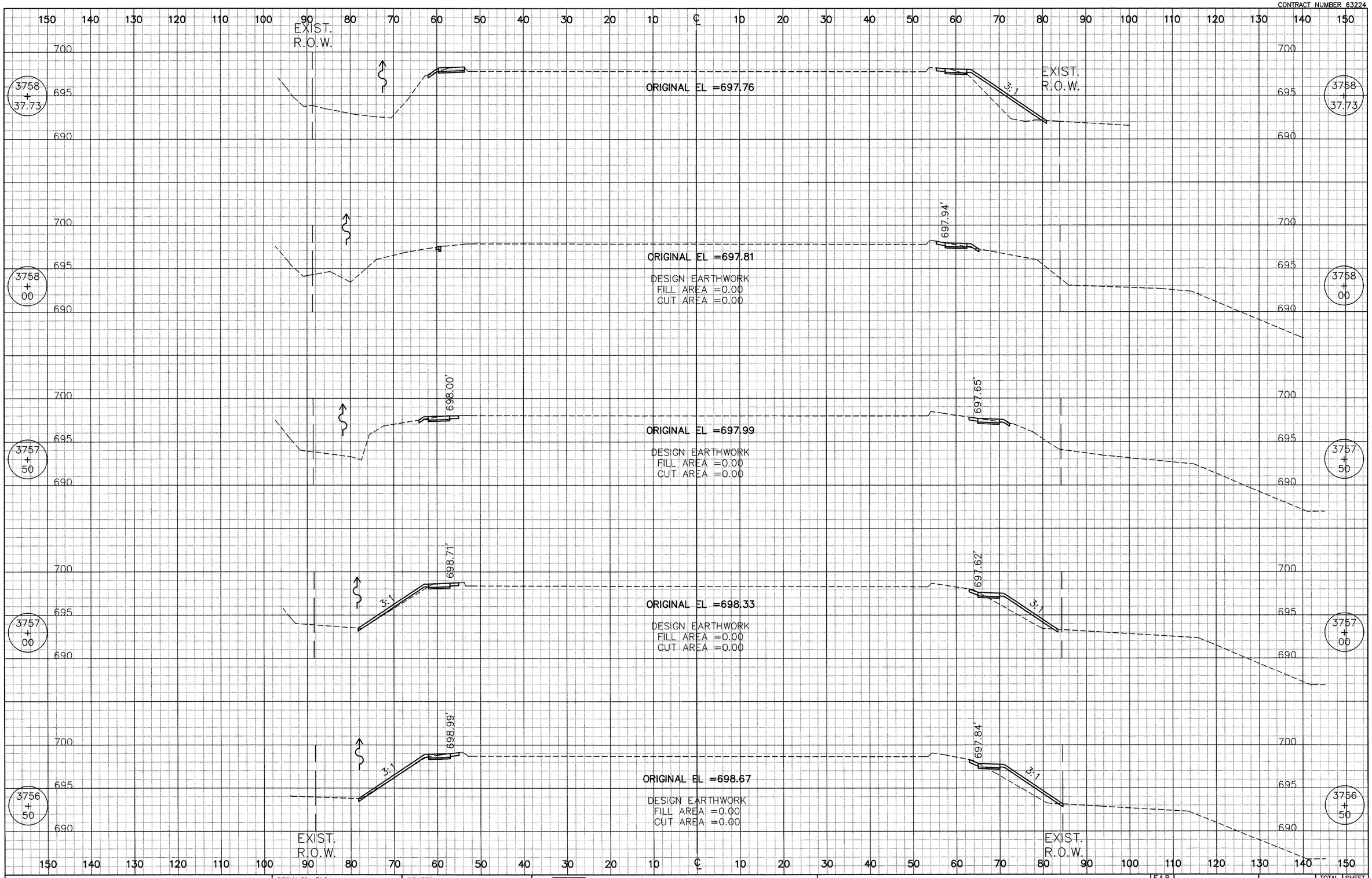
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3754+00 TO 3756+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	79
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED -

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CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3756+50 TO 3758+37.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	80
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224

EXIST. R.O.W.

3760 + 50

ORIGINAL EL =698.44

DESIGN EARTHWORK
FILL AREA = 12 SF
CUT AREA = 3 SF

698.69'

3:1

EXIST. R.O.W.

3760 + 00

693.00'

698.24'

3:1

ORIGINAL EL =698.32

DESIGN EARTHWORK
FILL AREA = 9 SF
CUT AREA = 19 SF

698.42'

3:1

3759 + 50

693.12'

698.45'

3:1

ORIGINAL EL =698.08

DESIGN EARTHWORK
FILL AREA = 7 SF
CUT AREA = 10 SF

698.17'

3:1

3759 + 00

698.41'

ORIGINAL EL =697.91

DESIGN EARTHWORK
FILL AREA = 0 SF
CUT AREA = 8 SF

697.98'

3:1

3758 + 50

698.32'

ORIGINAL EL =697.76

DESIGN EARTHWORK
FILL AREA = 7 SF
CUT AREA = 7 SF

698.12'

3:1

EXIST. R.O.W.

EXIST. R.O.W.

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

695 690 685 700

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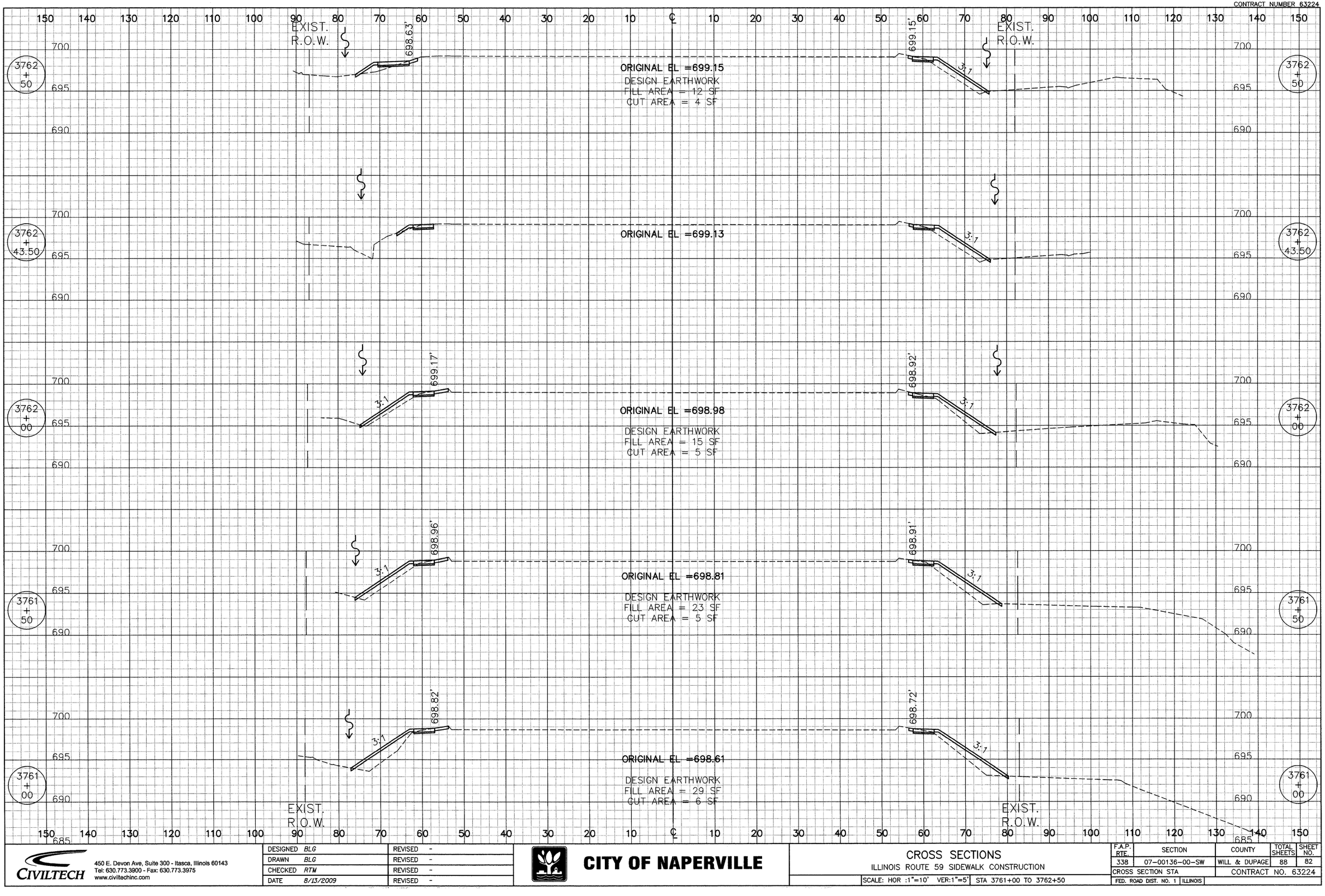
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3758+50 TO 3760+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	81
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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CITY OF NAPERVILLE

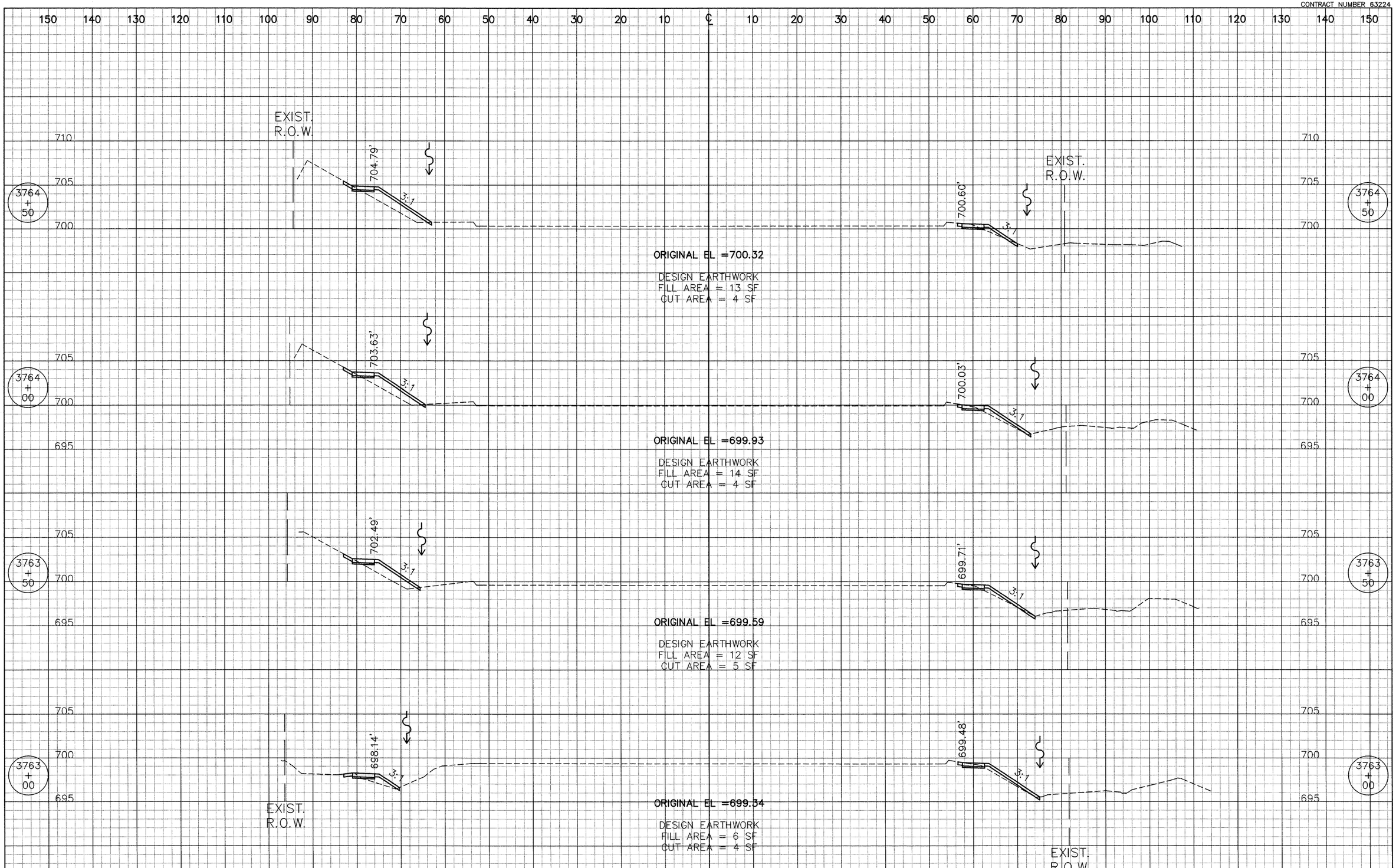
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3761+00 TO 3762+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	82
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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DATE	8/13/2009	REVISED	-

CITY OF NAPERVILLE

CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3763+00 TO 3764+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	83
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

710 / 705 / 700

3766 + 50

EXIST. R.O.W.

705.65'

3:1

ORIGINAL EL =702.45

DESIGN EARTHWORK
FILL AREA = 11 SF
CUT AREA = 17 SF

702.57'

700.65'

3:1

3:1

EXIST. R.O.W.

3766 + 50

3766 + 00

705.37'

3:1

ORIGINAL EL =701.81

DESIGN EARTHWORK
FILL AREA = 9 SF
CUT AREA = 5 SF

702.18'

700.45'

3765 + 50

705.13'

3:1

ORIGINAL EL =701.23

DESIGN EARTHWORK
FILL AREA = 11 SF
CUT AREA = 4 SF

701.50'

3765 + 00

705.24'

3:1

EXIST. R.O.W.

ORIGINAL EL =700.73

DESIGN EARTHWORK
FILL AREA = 14 SF
CUT AREA = 5 SF

701.05'

3:1

EXIST. R.O.W.

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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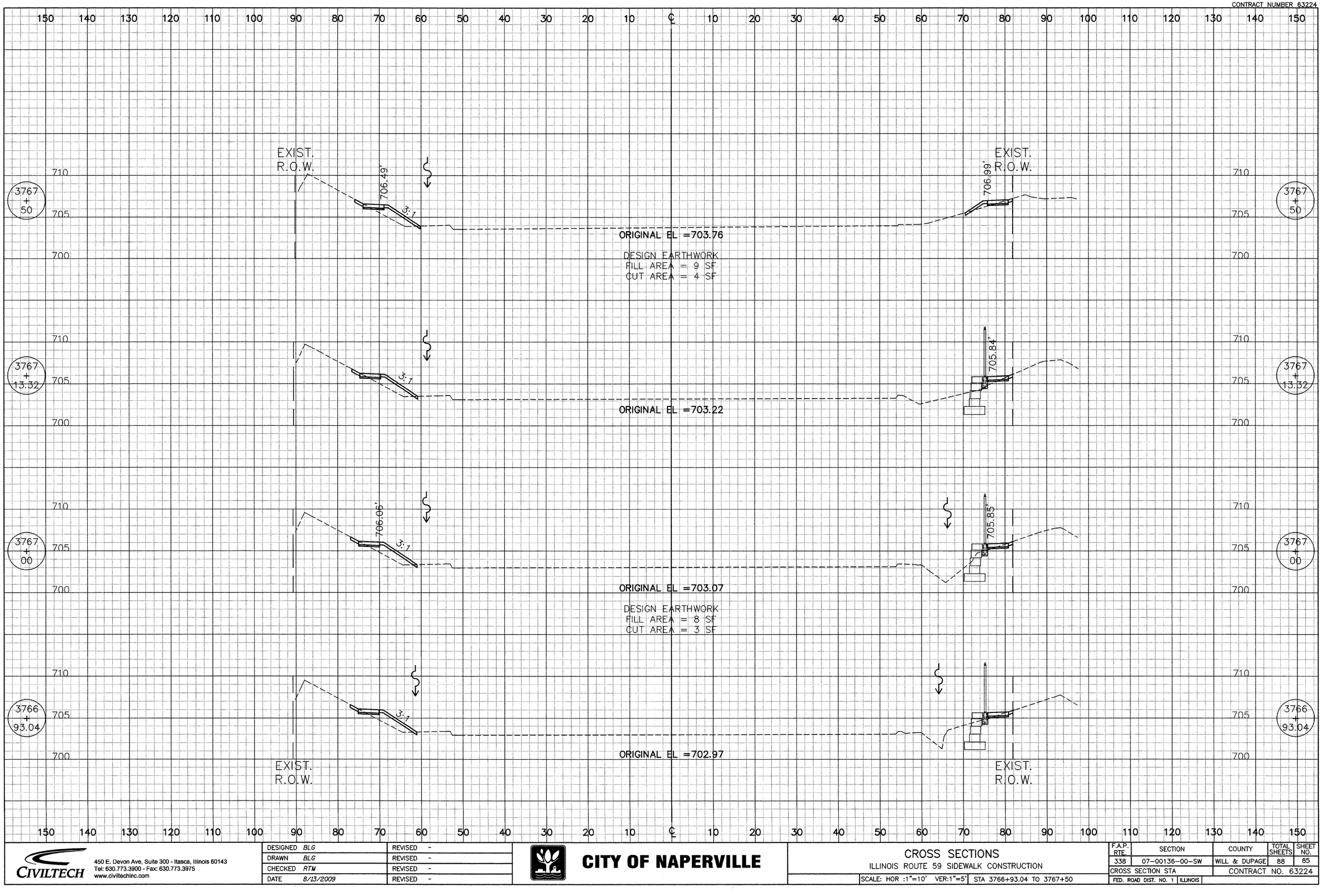
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3765+00 TO 3766+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	84
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224



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CITY OF NAPERVILLE

CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3766+93.04 TO 3767+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	85
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

CONTRACT NUMBER 63224

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

EXIST. R.O.W.

715 710 705

3769 + 50

708.10'

3:1

ORIGINAL EL =705.56

DESIGN EARTHWORK
FILL AREA = 6 SF
CUT AREA = 6 SF

EXIST. R.O.W.

705.85'

3769 + 50

3769 + 00

707.45'

3:1

ORIGINAL EL =705.28

DESIGN EARTHWORK
FILL AREA = 5 SF
CUT AREA = 4 SF

706.14'

3769 + 00

3768 + 50

707.17'

3:1

ORIGINAL EL =704.76

DESIGN EARTHWORK
FILL AREA = 6 SF
CUT AREA = 4 SF

706.46'

3768 + 50

3768 + 00

707.01'

3:1

ORIGINAL EL =704.42

DESIGN EARTHWORK
FILL AREA = 13 SF
CUT AREA = 3 SF

707.12'

3:1

EXIST. R.O.W.

EXIST. R.O.W.

700

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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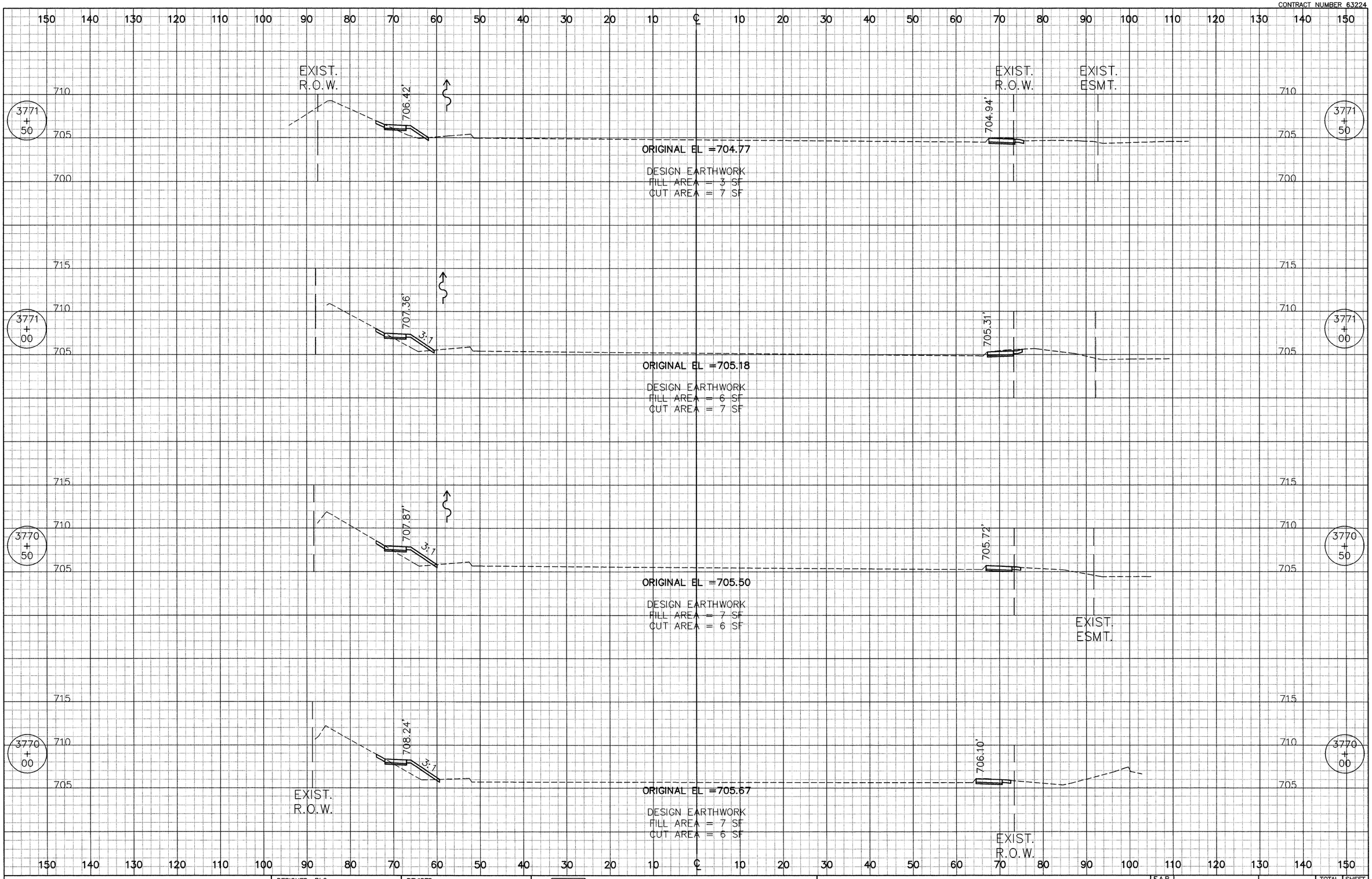
CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3768+00 TO 3769+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	86
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			

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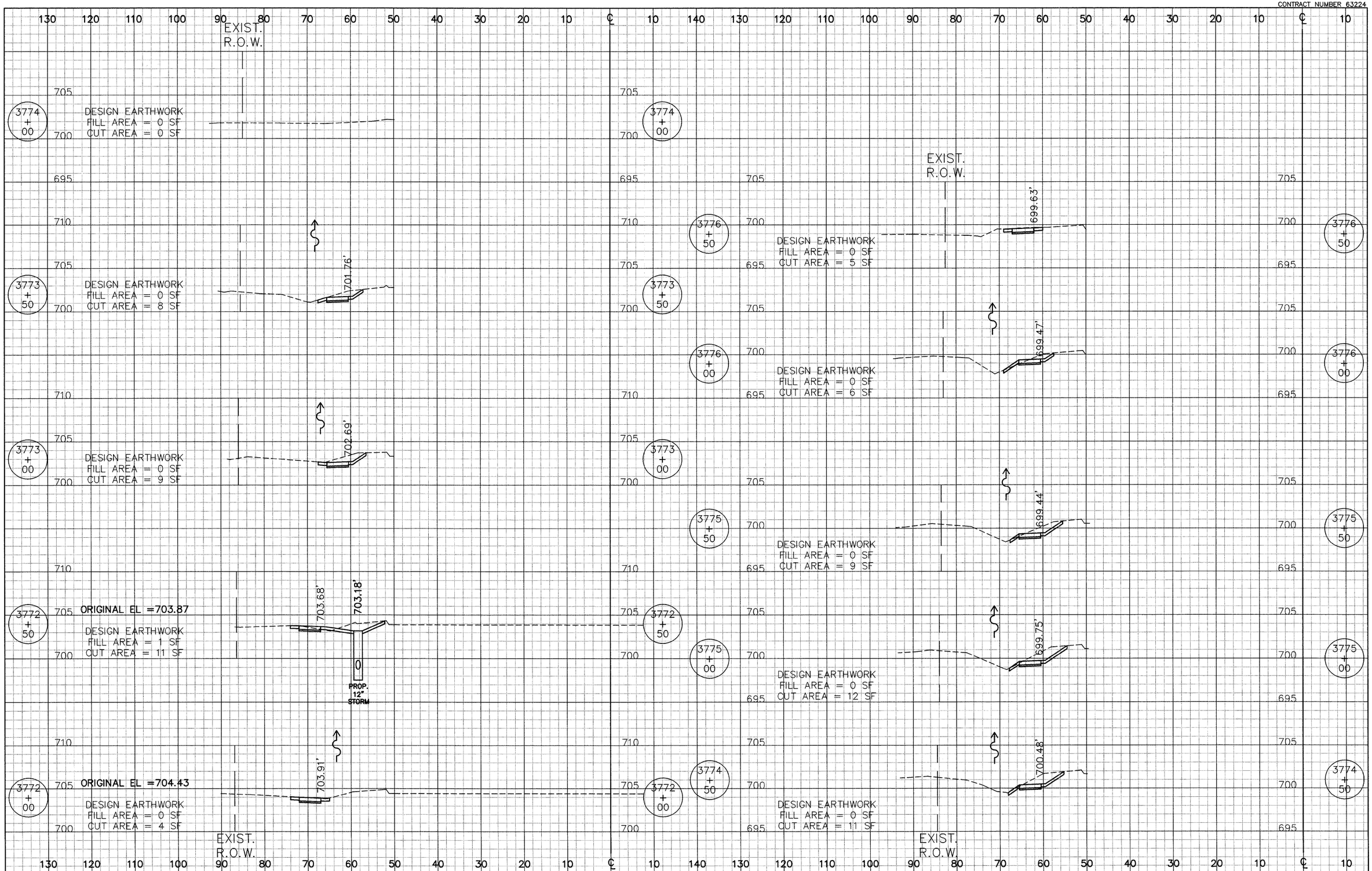
CITY OF NAPERVILLE

CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' | STA 3770+00 TO 3771+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	87
CROSS SECTION STA		CONTRACT NO. 63224		
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CITY OF NAPERVILLE

CROSS SECTIONS

ILLINOIS ROUTE 59 SIDEWALK CONSTRUCTION

SCALE: HOR :1"=10' VER:1"=5' STA XXXX+XX TO XXXX+XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	07-00136-00-SW	WILL & DUPAGE	88	88
CROSS SECTION STA		CONTRACT NO. 63224		
FED. ROAD DIST. NO. 1	ILLINOIS			