

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED HIGHWAY PLANS**

FAP ROUTE 338: IL ROUTE 59  
SECTION 2011-036-1

PROJECT: *NHF-0338(046)*

**ADVANCE WORK - RETAINING WALLS**

DUPAGE COUNTY  
C-91-539-11

THE PROJECT IS LOCATED IN THE CITY OF NAPERVILLE (PRIMARY) AND THE CITY OF AURORA

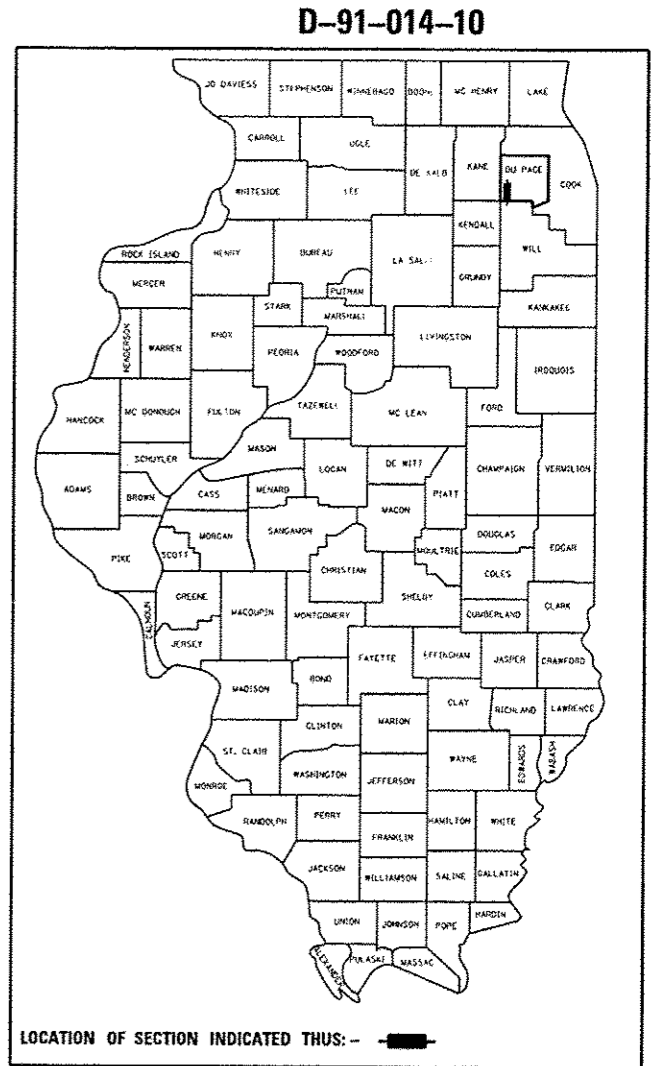
FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION

NA

TRAFFIC DATA

	ADT 2009/2030	SPEED DESIGN/POSTED
IL ROUTE 59		
NEW YORK TO LIBERTY	49,700/68,000	45/40
LIBERTY TO N AURORA	49,700/79,000	45/40
N AURORA TO DIEHL	47,200/74,000	45/45



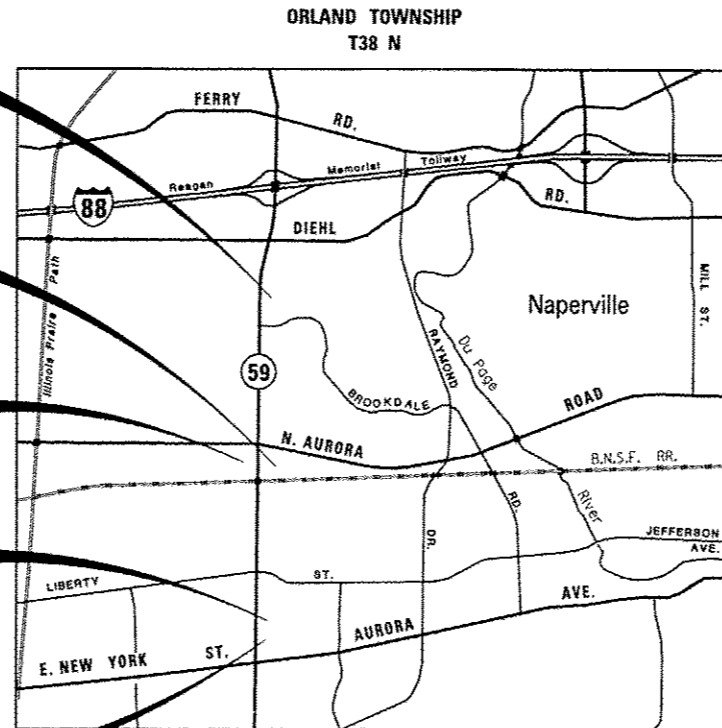
RETAINING WALL  
SN 022-W052  
STA. 4017 + 20 TO  
STA. 4023 + 30  
NET LENGTH = 610 FT.

RETAINING WALL  
SN 022-W042  
STA. 3911 + 30 TO  
STA. 3913 + 30  
NET LENGTH = 200 FT.

RETAINING WALL  
SN 022-W046  
STA. 3966 + 05 TO  
STA. 3971 + 00  
NET LENGTH = 495 FT.

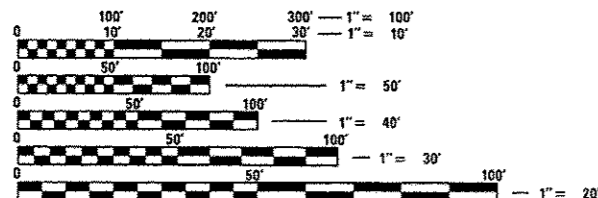
RETAINING WALL  
SN 022-W044  
STA. 3920 + 19 TO  
STA. 3922 + 71  
NET LENGTH = 252 FT.

RETAINING WALL  
SN 022-W043  
STA. 3913 + 82 TO  
STA. 3915 + 43  
NET LENGTH = 161 FT.



LOCATION MAP

NET LENGTH OF PROJECT = 1,820 FT. = 0.35 MILES



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

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT MANAGER - BRIAN KUTTAB (847)705-4431  
PROJECT ENGINEER - RON ZENAROSA (847)705-4212

CONTRACT NO. 60P42

	KNIGHT E/A, INC. Date: <i>05/04/12</i> <i>John C. Murillo</i> John C. Murillo Expires: 11-30-13 Sheet No.: 1-31, 38-42, 50-53, 71-87, 101-110, 125-132, 196-234	
		ZROKA ENGINEERING, P.C. Date: <i>05-04-12</i> <i>Deborah A. Zroka</i> Deborah A. Zroka Expires: 11-30-12 Sheet No.: 32-37, 43-49, 54-70, 88-100, 111-124
		CITY OF NAPERVILLE Date: <i>5-4-12</i> <i>Olga Geynisman</i> Olga Geynisman Expires: 11-30-13 Sheet No.: 133-195

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *MAY 4, 2012*

*Diane M. O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*John D. Baumelli*  
ENGINEER OF DESIGN AND ENVIRONMENT

*June 29 2012*

*William R. Freyer*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**

Plans Prepared By:  
**KNIGHT**  
Engineers & Architects

221 North LaSalle Street  
Suite 300  
Chicago, IL 60601-1211  
Phone: (312) 577-3300

**INDEX OF SHEETS**

**IDOT HIGHWAY STANDARDS**

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STANDARD NO.	TITLE
000001 - 00	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001 - 02	AREAS OF REINFORCEMENT BARS
280001 - 06	TEMPORARY EROSION CONTROL SYSTEMS
542301 - 03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311 - 03	GRATING FOR CONCRETE FLARED END SECTION (FOR 24" (600MM) THRU 54" (1350 MM) PIPE)
602011 - 02	CATCH BASIN TYPE C
602401 - 03	MANHOLE TYPE A
602406 - 05	MANHOLE TYPE A 6' (1.8 M) DIAMETER
602411 - 03	MANHOLE TYPE A 7' (2.1 M) DIAMETER
604001 - 03	FRAME AND LIDS TYPE 1
604036 - 02	GRATE TYPE B
606001 - 04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606201 - 02	TYPE B GUTTER (INLET, OUTLET, & ENTRANCE)
643001	SAND MODULE IMPACT ATTENUATORS
701101 - 02	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVMENT EDGE
701106 - 02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701427	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701601 - 07	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606 - 08	URBAN LANE CLSSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701 - 08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801 - 05	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901 - 02	TRAFFIC CONTROL DEVICES
704001 - 07	TEMPORARY CONCRETE BARRIER
<b>A</b> 515001-03	<b>NAME PLATES</b>

**A** Rev. 7-24-12

FILE NAME	USER NAME	DESIGNED	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS AND IDOT HIGHWAY STANDARDS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FILE NO.		DRAWN	REVISED			338	2011-036-1		234	2
PLAT SCALE		CHECKED	REVISED			CONTRACT NO. 60P42		ILLINOIS FED. AID PROJECT		
PLAT DATE		DATE	REVISED			SCALE: AS SHOWN	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	

## GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 OR 811 FOR FIELD LOCATIONS, BURIED ELECTRIC LINES, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITIES OF AURORA AND NAPERVILLE.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
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, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED EACH LOCATION.
5. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATIONS AND BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATIONS FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.
6. THE CONTRACTOR SHALL TAKE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
7. THIS CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS, AS REQUIRED, PRIOR TO COMMENCING WITH CONSTRUCTION.
8. POLLUTION CONTROL: THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER AND NOISE POLLUTION.
9. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DRAINAGE THROUGHOUT THE CONSTRUCTION OF THIS PROJECT.
10. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE ALL ROAD SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING ALL STAGES OF CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701601. ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING:
  - A. SIGNS SHALL NOT BE REMOVED UNTIL NECESSITATED BY THE PROGRESS OF THE WORK.
  - B. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND VISIBLE TO THE TRAFFIC FOR WHICH IT IS INTENDED. ALL SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
  - C. ALL UNUSED SIGNS SHALL BE RETURNED TO APPROPRIATE GOVERNING BODY AS DIRECTED BY THE ENGINEER.
11. THE RESIDENT ENGINEER SHALL CONTACT THE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TRAFFIC CONTROL DEVICES.
12. NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET.
13. FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

14. INVERT ELEVATIONS FOR EXISTING PIPES HAVE BEEN SHOWN ON THE PLANS WHEN SURVEY INFORMATION WAS AVAILABLE. THE CONTRACTOR SHALL VERIFY THE INVERT ELEVATIONS FOR EXISTING PIPES IN THE FIELD AT THE TIME OF CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
15. THE DRAINAGE STAGES OF CONSTRUCTION ARE FOR THE USE OF MAINTAINING TEMPORARY DRAINAGE ONLY AND MAY BE USED BY THE CONTRACTOR, THOUGH ALL TEMPORARY DRAINAGE WILL BE PROVIDED AT THE DISCRETION OF THE CONTRACTOR.
16. TREES SHOWN IN PLANS TO BE IN CONFLICT WITH PROPOSED WORK, SHALL BE REMOVED IN - TREE REMOVAL CONTRACT GOP43. THE CONTRACTOR SHOULD COORDINATE WITH SUCH PERSONS SO NO CONFLICTING SCHEDULES OF WORK OCCUR. NO COMPENSATION WILL BE GIVEN FOR THE REMOVAL OF TREES, IN THIS CONTRACT.
17. ALL DRAINAGE ITEMS INCLUDING: PIPES, CULVERTS, AND MANHOLES; THAT ARE SET IN PLACE WITH NO CONNECTING END WILL BE BLOCKED WITH MASONRY BEFORE BACKFILL IS PLACE OVERTOP, SO AS TO PREVENT FILL FROM ENTERING.
18. TOPSOIL AND SEEDING ADJACENT TO PROPOSED WALLS ARE INTENDED TO REPLACE EXISTING VEGETATION DAMAGED DURING CONSTRUCTION. HOWEVER, EXISTING VEGETATION NOT DAMAGED MAY REMAIN IN PLACE. THIS WORK SHALL MEET THE APPROVAL OF THE ENGINEER.
19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING AND CLEANING STREETS OF ANY DEBRIS AND MATERIAL THAT HAS ACCUMULATED AS A RESULT OF THE CONSTRUCTION ACTIVITY. A MECHANICAL SWEEPER, MECHANICALLY DRIVEN AND HANDWORK WITH A SHOVEL AND BROOM SHALL BE UTILIZED TO PROVIDE A CLEAN STREET FOR THE MOTORING PUBLIC. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.
20. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
21. THE CONTRACTOR SHALL BE ADVISED THAT THERE IS ELECTRIC DUCT BANK WORK INCLUDED IN THE PLANS WHICH IS TO BE PERFORMED ON PRIVATE PROPERTY. THE CITY OF NAPERVILLE (DPU - ELECTRIC) IS SECURING PERMANENT UTILITY EASEMENTS FOR THIS WORK. THE CONTRACTOR WILL BE PROVIDED WITH A COPY OF THESE EASEMENTS AT THE PRECONSTRUCTION MEETING.
22. THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE CONTRACT BUT ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE CITY OF NAPERVILLE (DPU - ELECTRIC).
  - 8000 FEET OF 6 - WAY 6 - 6" PVC DUCT BANK 2 HIGH BY 3 WIDE
  - 6000 FEET OF 6 - WAY DIRECTIONAL DRILL 6 - 6" HDPE

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS AT Ndes
<b>TEMPORARY SHOULDER</b>	
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 mm); 2"	4% @ 50 Gyr.
<b>DRIVEWAYS</b>	
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5 mm); 2"	4% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19 mm), CE - 4", PE - VARIES	4% @ 50 Gyr.
<b>PATCHING</b>	
CLASS D PATCHES (HMA BINDER IL-19mm)	4% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE AC TYPE FOR POLYMERIZED MIXES SHALL BE "SBS / SBR PG 76-22" AND FOR NON POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

## EROSION CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL SUBMIT A WRITTEN CONSTRUCTION PLAN FOR THE PROPOSED STORM SEWER WORK TO THE ENGINEER FOR APPROVAL. THE CONSTRUCTION PLAN SHALL INCLUDE MEASURES TO PREVENT SEDIMENTATION FROM ENTERING THE STORM SEWER SYSTEM DURING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL NOT BEGIN ANY STORM SEWER WORK UNTIL THE ENGINEER HAS PROVIDED WRITTEN APPROVAL OF THE CONTRACTOR'S WORK PLAN. THE COST ASSOCIATED WITH DEVELOPING THE CONSTRUCTION PLAN WILL NOT BE PAID FOR SEPARATELY, BUT IS INCLUDED IN THE CONTRACT.
2. DURING CONSTRUCTION OPERATIONS, WHENEVER LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC., SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THE CONTRACTORS FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIAL CREATED AS A RESULT THERE OF.

## COMMITMENTS

1. NONE THIS CONTRACT

FILE NAME: 0	USER NAME: JUSERS	DESIGNED: NAV	REVISED:	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND COMMITMENTS</b>	F.A.P. RTE:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:	
FILE: 1	FILE SCALE: 1/4"=1'-0"	DRAWN: RES	REVISED:			338	2011-036-1	DUPAGE	234	3	
	FILE DATE: 05-11-12	CHECKED: PJO	REVISED:			CONTRACT NO. 60P42					
		DATE: 05-11-12	REVISED:			ILLINOIS FED. AID PROJECT					
						SCALE: AS SHOWN SHEET NO. 1 OF 1 SHEETS STA. TO STA.					

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	LOSEL, 01	LOSEL, 01	LOSEL, 02	LOSEL, 03	LOSEL, 04	LOSEL, 05	OTPOL, 01		
				CONSTRUCTION CODE FUNDS								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF NAPERVILLE	
ROADWAY 0004 URBAN	RETAINING WALL SN 022-W043 0040 URBAN	RETAINING WALL SN 022-W044 0040 URBAN	RETAINING WALL SN 022-W046 0040 URBAN	RETAINING WALL SN 022-W042 0040 URBAN	RETAINING WALL SN 022-W052 0040 URBAN	RETAINING WALL SN 022-W052 0040 URBAN	ELECTRIC DUCT BANK 0043 URBAN					
20101200	TREE ROOT PRUNING	EACH	10								10	
20200100	EARTH EXCAVATION	CU YD	560	560								
20400800	FURNISHED EXCAVATION	CU YD	3785	3785								
20700220	POROUS GRANULAR EMBANKMENT	CU YD	56	56								
20800150	TRENCH BACKFILL	CU YD	1556	1556								
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2280	2280								
25000210	SEEDING, CLASS 2A	ACRE	2.00	2.00								
25100115	MULCH, METHOD 2	ACRE	4.00	4.00								
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	1230	1230								
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	196	196								
28000305	TEMPORARY DITCH CHECKS	FOOT	30	30								
28000400	PERIMETER EROSION BARRIER	FOOT	2186	2186								
28000510	INLET FILTERS	EACH	39	39								
35501300	HOT-MIX ASPHALT BASE COURSE, 4"	SQ YD	37	37								
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	50	5							45	

X SPECIALTY ITEM

FILE NAME	USER NAME	DESIGNED <i>NAV</i>	REVISED <i>05-04-12</i>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE	SCALE	DRAWN <i>RES</i>	REVISED					338	2011-036-1	DUPAGE	234	4
PS/DI SCALE	PS/DI SCALE	CHECKED <i>PJO</i>	REVISED		SCALE: AS SHOWN   SHEET NO. 1 OF 10 SHEETS   STA. TO STA.			CONTRACT NO. 60P42		ILLINOIS FED. AID PROJECT		
PRINT DATE	PRINT DATE	DATE <i>05-11-12</i>	REVISED									

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE FUNDS							
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF NAPERVILLE	
				ROADWAY 0004 URBAN	RETAINING WALL SN 022-W043 0040 URBAN	RETAINING WALL SN 022-W044 0040 URBAN	RETAINING WALL SN 022-W046 0040 URBAN	RETAINING WALL SN 022-W042 0040 URBAN	RETAINING WALL SN 022-W052 0040 URBAN	ELECTRIC DUCT BANK 0043 URBAN	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	995								995
44000100	PAVEMENT REMOVAL	SQ YD	493	43							450
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	45								45
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	296	82							214
44000600	SIDEWALK REMOVAL	SQ FT	995								995
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	20								20
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	140								140
50200100	STRUCTURE EXCAVATION	CU YD	1849		46	291	897	226	389		
50300225	CONCRETE STRUCTURES	CU YD	649.8		47.9	107.7	234.9	45.2	214.1		
50300285	FORM LINER TEXTURED SURFACE	SQ FT	8681			573	3264	339	4505		
50300300	PROTECTIVE COAT	SQ YD	1116		165	65	593	112	181		
50500505	STUD SHEAR CONNECTORS	EACH	1328				707	114	507		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	82820		7510	8690	29710	5190	31720		
50901720	BICYCLE RAILING	FOOT	622						622		

X SPECIALTY ITEM

FILE NAME	USER NAME	DESIGNED <i>NAV</i>	REVISED <i>06-04-12</i>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILE #	FILE SCALE	DRAWN <i>KES</i>	REVISED			338	2011-036-1	DUPAGE	234	5	
	FILE DATE	CHECKED <i>PJO</i>	REVISED			SCALE: AS SHOWN SHEET NO. 2 OF 10 SHEETS STA. TO STA.		CONTRACT NO. 60P42		ILLINOIS FED. AID PROJECT	
		DATE <i>05-11-12</i>	REVISED								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE FUNDS							
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF NAPERVILLE	
				ROADWAY 0004 URBAN	RETAINING WALL SN 022-W043 0040 URBAN	RETAINING WALL SN 022-W044 0040 URBAN	RETAINING WALL SN 022-W046 0040 URBAN	RETAINING WALL SN 022-W042 0040 URBAN	RETAINING WALL SN 022-W052 0040 URBAN	ELECTRIC DUCT BANK 0043 URBAN	
50901750	PARAPET RAILING	FOOT	410		159	251					
51500100	NAME PLATES	EACH	5		1	1	1	1	1		
54010905	PRECAST CONCRETE BOX CULVERTS 9' X 5'	FOOT	24	24							
5421C030	PIPE CULVERTS, CLASS C, TYPE 1 30" (TEMPORARY)	FOOT	432	432							
5422C030	PIPE CULVERTS, CLASS C, TYPE 2 30" (TEMPORARY)	FOOT	68	68							
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	12	12							
550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	435	435							
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	8	8							
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	102	102							
550A0520	STORM SEWERS, CLASS A, TYPE 2 72"	FOOT	99	99							
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	154	154							
55100500	STORM SEWER REMOVAL 12"	FOOT	185	185							
55101400	STORM SEWER REMOVAL 30"	FOOT	566	566							
55102300	STORM SEWER REMOVAL 72"	FOOT	104	104							

X SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE FUNDS						
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF NAPERVILLE
				ROADWAY 0004 URBAN	RETAINING WALL SN 022-W043 URBAN	RETAINING WALL SN 022-W044 URBAN	RETAINING WALL SN 022-W046 URBAN	RETAINING WALL SN 022-W042 URBAN	RETAINING WALL SN 022-W052 URBAN	ELECTRIC DUCT BANK 0043 URBAN
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	781			68	368	63	282	
60200805	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 8 GRATE	EACH	2	2						
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1						
60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3						
60221100	MANHOLES, TYPE A, 5' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1						
60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2						
60224446	MANHOLES, TYPE A, 7' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1						
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	4	4						
60500040	REMOVING MANHOLES	EACH	4	4						
60500080	REMOVING CATCH BASINS TO MAINTAIN FLOW	EACH	1	1						
60602800	CONCRETE GUTTER, TYPE B	FOOT	583	583						
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	294	80						214
X 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1						
X 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1						

X SPECIALTY ITEM

FILE NAME	USER NAME	DESIGNED	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#/PAGES	DESIGNED	REVISED	338			2011-036-1	DUPAGE	234	7	
PLANT SCALE	CHECKED	REVISED	SCALE: AS SHOWN SHEET NO. 4 OF 10 SHEETS STA. TO STA.			CONTRACT NO. 60P42				
PLANT DATE	DATE	REVISED	ILLINOIS FED. AID PROJECT							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE FUNDS								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF NAPERVILLE		
				ROADWAY 0004 URBAN	RETAINING WALL SN 022-W043 0040 URBAN	RETAINING WALL SN 022-W044 0040 URBAN	RETAINING WALL SN 022-W046 0040 URBAN	RETAINING WALL SN 022-W042 0040 URBAN	RETAINING WALL SN 022-W052 0040 URBAN	ELECTRIC DUCT BANK 0043 URBAN		
63200310	GUARDRAIL REMOVAL	FOOT	92	92								
X 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	250	250	△							
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	11	11								
X 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1	△							
67100100	MOBILIZATION	L SUM	1	1								
X 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	△							
70400100	TEMPORARY CONCRETE BARRIER	FOOT	750	750								
X 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	648									648
X 78200530	BARRIER WALL MARKERS, TYPE C	EACH	60	60								
X X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	20,763	△			14,953	△	1605		12205	
X X0324456	DRILLING AND SETTING SOLDIER PILES (IN ROCK)	CU FT	1618	△			1618	△				
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	86				86					
X2080250	TRENCH BACKFILL (SPECIAL)	CU YD	770	△							△	770
X2500920	SEEDING CLASS 1A. (SPECIAL)	ACRE	1.10									1.10
X3550015	HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)	TON	140									140
X4810100	TEMPORARY SHOULDERS	SQ YD	604	604								
X6022110	MANHOLES, TYPE A, 10'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2								
X6028050	TEMPORARY MANHOLE	EACH	4	4								

X SPECIALTY ITEM

△ Rev. 7-24-12

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		NAV	06-04-12					338	2011-036-1		234	8
PLT SCALE	DRAWN	CHECKED	DATE			SCALE: AS SHOWN SHEET NO. 5 OF 10 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60P42		
	KES	PJD	05-11-12									



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE FUNDS							
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF NAPERVILLE	
				ROADWAY 0004 URBAN	RETAINING WALL SN 022-W043 0040 URBAN	RETAINING WALL SN 022-W044 0040 URBAN	RETAINING WALL SN 022-W046 0040 URBAN	RETAINING WALL SN 022-W042 0040 URBAN	RETAINING WALL SN 022-W052 0040 URBAN	ELECTRIC DUCT BANK 0043 URBAN	
X6640525	CHAIN LINK FENCE, 4' ATTACHED TO STRUCTURE	FOOT	594				594				
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.85							0.15
X XX005602	HAND DIGGING 0 FT TO 5 FT IN PAVEMENT	CU YD	25								25
X XX005603	HAND DIGGING 5 FT TO 20 FT IN PAVEMENT	CU YD	25								25
X XX005604	HAND DIGGING 0 FT TO 5 FT IN UNPAVED AREAS	CU YD	25								25
X XX005605	HAND DIGGING 5 FT TO 20 FT IN UNPAVED AREAS	CU YD	25								25
X XX005606	MACHINE AIDED DIGGING 0 FT TO 5 FT IN PAVEMENT	CU YD	50								50
X XX005608	MACHINE AIDED DIGGING 0 FT TO 5 FT IN UNPAVED AREAS	CU YD	50								50
X XX005987	MACHINE AIDED DIGGING 5 FT TO 20 FT IN PAVEMENT	CU YD	50								50
X XX005989	MACHINE AIDED DIGGING 5 FT TO 20 FT IN UNPAVED AREAS	CU YD	50								50
X Z0007118	UNTREATED TIMBER LAGGING	SQ FT	8332				4368	743	3221		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.6							0.4
Δ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	4	4							
X Z0026404	FURNISHING SOLDIER PILES (W SECTION)	FOOT	5035				2400	480	2155		

X SPECIALTY ITEM      Δ 100% STATE (TOTAL 01,0004)

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE FUNDS							
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF NAPERVILLE	
				ROADWAY	RETAINING WALL SN 022-W043	RETAINING WALL SN 022-W044	RETAINING WALL SN 022-W046	RETAINING WALL SN 022-W042	RETAINING WALL SN 022-W052	ELECTRIC DUCT BANK	
				0004 URBAN	0040 URBAN	0040 URBAN	0040 URBAN	0040 URBAN	0040 URBAN	0043 URBAN	
Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 2	EACH	1	1							
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	103	103							
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1860			278	594	343	645		
X Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1							
X X6020385	MANHOLES TYPE G DOUBLE OPENING , <i>INSTALL ONLY</i>	EACH	3								3
X X6020375	MANHOLES TYPE E DOUBLE OPENING , <i>INSTALL ONLY</i>	EACH	3								3
X X6020355	MANHOLES TYPE A DOUBLE OPENING , <i>INSTALL ONLY</i>	EACH	1								1
X X6020335	MANHOLES TYPE G SINGLE OPENING 4211M921 , <i>INSTALL ONLY</i>	EACH	1								1
X X6020399	CONNECTION TO EXISTING MANHOLE	EACH	3								3
X	<del>LANDSCAPE RESTORATION (DRU-ELECTRIC)</del>	<del>L SUM</del>	<del>1</del>								<del>1</del>
X	<del>CONSTRUCTION LAYOUT (SPECIAL)</del>	<del>L SUM</del>	<del>1</del>								<del>1</del>
X X0327436	2 - WAY 2 - 6" PVC DUCT BANK 1 HIGH BY 2 WIDE	FOOT	170								170
X X0327437	3 - WAY 3 - 6" PVC DUCT BANK 1 HIGH BY 3 WIDE	FOOT	285								285
X X0327438	4 - WAY 4 - 6" PVC DUCT BANK 2 HIGH BY 2 WIDE	FOOT	100								100

X SPECIALTY ITEM

*A* Rev. 7-24-12

FILE NAME: 11/11/12	USER NAME: TUGHER	DESIGNED: <i>NAV</i>	REVISED: <i>05-04-12</i>	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY	TOTAL SHEETS 234	SHEET NO. 10
PROJECT: 11/11/12	DRAWN: <i>KES</i>	CHECKED: <i>PJO</i>	REVISED:			DUPAGE	CONTRACT NO. 60P42			
PROJECT: 11/11/12	DATE: <i>05-11-12</i>	REVISED:	REVISED:			ILLINOIS FED. AID PROJECT				
SCALE: AS SHOWN	SHEET NO. 7 OF 10 SHEETS	STA. TO STA.								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE FUNDS							
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF NAPERVILLE	
				ROADWAY	RETAINING WALL SN 022-W043	RETAINING WALL SN 022-W044	RETAINING WALL SN 022-W046	RETAINING WALL SN 022-W042	RETAINING WALL SN 022-W052	ELECTRIC DUCT BANK	
				0004	0040	0040	0040	0040	0040	0043	
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	
X X0327439	6 - WAY 6 - 6" PVC DUCT BANK 2 HIGH BY 3 WIDE	FOOT	295								295
X X0327440	8 - WAY 8 - 6" PVC DUCT BANK 3 HIGH BY 3 WIDE	FOOT	30								30
X X0327441	9 - WAY 9 - 6" PVC DUCT BANK 3 HIGH BY 3 WIDE	FOOT	200								200
X X0327442	12 - WAY 12 - 6" PVC DUCT BANK 4 HIGH BY 3 WIDE	FOOT	500								500
X X0327443	9 - WAY DIRECTIONAL DRILL 9 - 6" HDPE WITH CULVERT	FOOT	210								210
X X0327444	9 - WAY DIRECTIONAL DRILL 9 - 6" HDPE WITHOUT CULVERT	FOOT	210								210
X X0327445	6 - WAY DIRECTIONAL DRILL 6 - 6" HDPE	FOOT	70								70
X X5030221	CONCRETE ENCASEMENT	CU YD	420								420
X X5030223	FA - 2 ENCASEMENT	CU YD	390								390
X X0327446	SWITCH GEAR VAULT , <b>INSTALL ONLY</b>	EACH	4								4
X X0327447	FUSE MODULE VAULT , <b>INSTALL ONLY</b>	EACH	1								1
X X0327448	TRANSFORMER SINGLE PHASE VAULTS , <b>INSTALL ONLY</b>	EACH	1								1
X X0327449	SECONDARY PEDESTALS , <b>INSTALL ONLY</b>	EACH	1								1
X XX007055	HANDHOLE - DEH6	EACH	1								1

X SPECIALTY ITEM

Rev. 7-24-12

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PROJECT		DRAWN	REVISED			338	2011-036-1	DUPAGE	234	11	
FEET SCALE	FEET SCALE	CHECKED	REVISED			SCALE: AS SHOWN		SHEET NO. 8 OF 10 SHEETS		STA. TO STA.	
FEET SCALE	FEET SCALE	DATE	REVISED			CONTRACT NO. 60P42					

ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE FUNDS							
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF NAPERVILLE	
				ROADWAY	RETAINING WALL SN 022-W043	RETAINING WALL SN 022-W044	RETAINING WALL SN 022-W046	RETAINING WALL SN 022-W042	RETAINING WALL SN 022-W052	ELECTRIC DUCT BANK	
				0004 URBAN	0040 URBAN	0040 URBAN	0040 URBAN	0040 URBAN	0040 URBAN	0043 URBAN	
X <del>XX005612</del>	HANDHOLE - DEH8	EACH	1								1
X <del>X0327450</del>	CONNECTION TO EXISTING CONCRETE TRANSFORMER FOUNDATION	EACH	3								3
X <del>X0327451</del>	CONNECTION TO EXISTING SWITCH GEARS	EACH	3								3
X <del>X0327463</del>	3/C-1000MCM CABLE 34KV CU. TRIPLEXED SPLICE CONNECTIONS	FOOT	600								600
X <del>X0327464</del>	SINGLE CONDUCTOR 1000MCM CABLE 34KV CU. SPLICE CONNECTIONS	FOOT	750								750
X <del>X0327465</del>	REMOVE - 3/C-1000MCM CABLE 34KV CU. TRIPLEXED CABLES AND SPLICES	FOOT	150								150
X <del>X0327452</del>	ROD AND MANDREL	FOOT	25500								25500
<del>   </del>	VIDEO TAPE	EACH	2								2
<del>   </del>	ADDITIONAL GROUND ROD INSTALLATION	EACH	5								5
<del>   </del>	TREE ROOT PRUNING (SPECIAL)	EACH	10								10
X <del>X0327453</del>	COUNTERPOISE, UNPAVED	FOOT	600								600
X <del>X0327454</del>	COUNTERPOISE, PAVED	FOOT	600								600
X <del>X0327455</del>	MANHOLE TOP SECTION REPLACEMENT 4223M111	EACH	1								1
X <del>X0327456</del>	MANHOLE TOP SECTION REPLACEMENT 4274M291	EACH	1								1

X SPECIALTY ITEM

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
		RAW	06-04-12									338	2011-036-1		234
SCALE	DATE	CHECKED	REVISED	SCALE: AS SHOWN SHEET NO. 9 OF 10 SHEETS STA. TO STA.											12
		RJD													CONTRACT NO. 60P42
		05-11-12													ILLINOIS FED. AID PROJECT

CONSTRUCTION CODE FUNDS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE FUNDS							
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF NAPERVILLE	
				ROADWAY 0004 URBAN	RETAINING WALL SN 022-W043 URBAN	RETAINING WALL SN 022-W044 URBAN	RETAINING WALL SN 022-W046 URBAN	RETAINING WALL SN 022-W042 URBAN	RETAINING WALL SN 022-W052 URBAN	ELECTRIC DUCT BANK 0043 URBAN	
X X0327457	MANHOLE TOP SECTION REPLACEMENT 4212M961	EACH	1								1
X X0327458	MANHOLE REMOVAL	EACH	1								1
X X0327459	POLE AND CABLE REMOVAL	EACH	40								40
X X0327460	POLE BUTT REMOVAL	EACH	20								20
X X0327461	3 PHASE TRANSFORMER VAULT ASSEMBLY	EACH	2								2
<del>X X0327462</del>	<del>12KV CABLE, INSTALL ONLY</del>	<del>FOOT</del>									
X X0327476	10-WAY-10-6" PVC JOINT DUCT BANK - 4 HIGH BY 3 WIDE	FOOT	100								100
X X0327477	12-WAY-12-6" PVC JOINT DUCT BANK - 4 HIGH BY 3 WIDE	FOOT	1770								1770
X X0327478	14-WAY-14-6" PVC JOINT DUCT BANK - 5 HIGH BY 3 WIDE	FOOT	400								400
X X0327479	2-WAY DIRECTIONAL DRILL 2-6" HOPE	FOOT	195								195
X X0327480	12-WAY JOINT DIRECTIONAL DRILL - 6" HOPE	FOOT	575								575
X	<del>ADDITIONAL GROUND ROD INSTALLATION</del>	<del>EACH</del>	<del>5</del>								<del>5</del>
⊙ Z0076600	TRAINEES	HOUR	1000	1000							
⊙ Z0076604	TRAINEES - TRAINING GRADUATE PROGRAM	HOUR	1000	1000							



X SPECIALTY ITEM  
⊙ 0042 (LOSEL 101)

Rev. 7-24-12

Rev.

FILE NAME:	DRAWN: NAV	DESIGNED: NAV	REVISIONS:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.:	SECTION:	COUNTY:	TOTAL SHEETS:	SHEET NO.:
PROJECT:	CHECKED: PJO	DATE: 05-11-12	REVISED: 06-04-12		SCALE: AS SHOWN	SHEET NO. 10 OF 10 SHEETS	STA.:	338	2011-036-1	DUPAGE	234	13
ILLINOIS FED. AID PROJECT												

EARTHWORK					
RETAINING WALL	QUANTITY (CU YD)				
	EXCAVATION	EMBANKMENT	EXCAVATION USED FOR EMBANKMENT (15% S.F.)	FURNISHED EXCAVATION	TOP SOIL EXCAVATION & PLACEMENT
022-W043	0.0	0.0	0.0	0.0	0.0
022-W044	0.0	440.6	0.0	-440.6	171.2
022-W046	503.0	1396.4	427.5	-968.9	1095.8
022-W042	49.6	0.0	42.2	42.2	63.4
022-W052	0.0	4257.1	0.0	-4257.1	945.1
STRUCTURAL EXCAVATION	1850.0	-	1572.5	-	-
<b>PROJECT TOTAL</b>	<b>562.6</b>	<b>6094.1</b>	<b>2042.2</b>	<b>4051.9</b>	<b>2275.6</b>
<b>SAY</b>	<b>560</b>	<b>6100</b>	<b>2040</b>	<b>4060</b>	<b>2280</b>

NOTE: STRUCTURAL EXCAVATION QTY. IS ONLY USED FOR FURNISHED EXCAVATION CALCULATION.

TRENCH BACKFILL					
RETAINING WALL	PIPE #	PIPE DIA. (IN)	PIPE CULVERT OR STORM SEWER	PIPE LENGTH (FT)	TOTAL TBF (CU YD)
022-W043	101	12	SS	7	6.4
	102	12	SS	147	147.1
022-W046	200	30	P CUL (TEMP)	14	11.5
	201	30	P CUL (TEMP)	149	108.6
	202	30	P CUL (TEMP)	269	202.0
	203	30	P CUL (TEMP)	28	24.8
	211	48	SS	158	115.8
	212	48	SS	277	291.4
	213	48	SS	102	142.8
	214	30	P CUL (TEMP)	34	43.9
	215	12	SS	8	6.3
	220	12	SS	26	8.9
022-W052	400	72	SS	20	55.1
	401	72	SS	59	264.7
	401a	72	SS	13	56.9
	402	24	SS	6	4.2
	403	24	SS	6	4.2
	404	30	P CUL (TEMP)	6	10.6
CUL	9x5'	CUL	21	50.6	
<b>PROJECT TOTAL</b>					<b>1,555.9</b>
<b>SAY</b>					<b>1,556</b>

HOT-MIX ASPHALT BASE COURSE, 4"				
RETAINING WALL	FROM STA	TO STA	LT/RT	QUANTITY (SQ YD)
022-W052	4022+49	4023+21	RT	37
<b>PROJECT TOTAL</b>				<b>37</b>

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50						
RETAINING WALL	FROM STA	TO STA	LT/RT	AREA (SQ YD)	DEPTH (IN)	QUANTITY (TON)
022-W052	4022+49	4023+21	RT	37	2	5
Naperville Electric Duct Bank Work	-	-	-	-	-	45
<b>PROJECT TOTAL</b>						<b>50</b>

MULCH, METHOD 2				
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (ACRE)
022-W043	3910+57	3913+81	LT	1.44
022-W044	3913+42	3915+66	RT	0.16
022-W046	3920+00	3922+99	RT	0.36
022-W042	3910+57	3913+81	LT	0.28
022-W052	4017+20	4023+28	RT	1.42
<b>PROJECT TOTAL</b>				<b>3.66</b>
<b>SAY</b>				<b>4.00</b>

SEEDING, CLASS 2A				
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (ACRE)
022-W042	3910+57	3913+81	LT	0.27
022-W043	3913+42	3915+66	RT	0.08
022-W044	3920+00	3922+99	RT	0.18
022-W046	3965+19	3971+49	LT	0.72
022-W052	4017+20	4023+28	RT	0.71
<b>PROJECT TOTAL</b>				<b>1.96</b>
<b>SAY</b>				<b>2.00</b>

HEAVY DUTY EROSION CONTROL BLANKET				
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (SQ YD)
022-W042	3910+57	3913+81	LT	1,230
<b>PROJECT TOTAL</b>				<b>1,230</b>

TEMPORARY EROSION CONTROL SEEDING				
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (POUND)
022-W042	3910+57	3913+81	LT	27
022-W043	3913+42	3915+66	RT	8
022-W044	3920+00	3922+99	RT	18
022-W046	3965+19	3971+49	LT	72
022-W052	4017+20	4023+28	RT	71
<b>PROJECT TOTAL</b>				<b>196</b>

TEMPORARY DITCH CHECKS			
RETAINING WALL	STATION	LT/RT	QUANTITY (FOOT)
022-W042	3911+34	LT	15
	3913+28	LT	15
<b>PROJECT TOTAL</b>			<b>30</b>

PERIMETER EROSION BARRIER				
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (FOOT)
022-W042	3910+57	3913+81	LT	327
022-W043	3913+21	3915+57	RT	261
022-W044	3919+29	3922+96	RT	192
022-W046	3965+19	3971+98	LT	673
022-W052	4016+75	4023+83	RT	733
<b>PROJECT TOTAL</b>				<b>2,186</b>

INLET FILTERS			
RETAINING WALL	STATION	LT/RT	QUANTITY (EACH)
022-W043	3912+18	RT	1
	3913+82	RT	1
	3914+57	RT	1
	3915+23	RT	1
	3915+74	RT	1
	3916+00	RT	1
022-W044	3918+93	RT	1
	3919+91	RT	1
	3920+86	RT	1
	3920+86	RT	1
	3921+46	RT	1
	3921+46	RT	1
	3922+07	RT	1
	3922+09	RT	1
	3922+48	RT	1
	3922+87	RT	1
	3922+98	RT	1
	3923+28	RT	1
	3964+70	LT	1
	3965+21	LT	1
022-W046	3966+31	LT	1
	3967+61	LT	1
	3968+88	LT	1
	3968+88	LT	1
	3970+03	LT	1
	3971+13	LT	1
022-W042	3972+32	LT	1
	3909+65	LT	1
	3910+12	LT	1
	3910+16	LT	1
	3910+65	LT	1
	3913+65	LT	1
022-W052	3913+99	LT	1
	3915+08	LT	1
	4016+56	RT	1
	4018+78	RT	1
	4019+68	RT	1
	4021+62	RT	1
4022+32	RT	1	
<b>PROJECT TOTAL</b>			<b>39</b>

PAVEMENT REMOVAL				
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (SQ YD)
022-W052	4022+49	4023+21	RT	43
Naperville Electric Duct Bank Work	-	-	-	450
<b>PROJECT TOTAL</b>				<b>493</b>

COMBINATION CURB & GUTTER REMOVAL				
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (FOOT)
022-W052	4022+49	4023+22	RT	82
Naperville Electric Duct Bank Work	-	-	-	214
<b>PROJECT TOTAL</b>				<b>296</b>

PIPE CULVERTS, CLASS C (TEMPORARY)						
RETAINING WALL	FROM	TO	STRUCTURE	LT/RT	QUANTITY (FOOT)	
					TYPE 1 30"	TYPE 2 30"
022-W046	3965+42.0	3965+69.3	200	LT	14	
	3965+69.3	3967+25.0	201	LT	149	
	3967+25.0	3970+00.0	202	LT	269	
	3970+00.0	3970+00.0	203	LT		28
	3971+18.5	3971+36.4	214	LT		34
022-W052	4020+47.0	4020+47.0		RT		6
PROJECT TOTAL					432	68

STORM SEWER REMOVAL						
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (FOOT)		
				12"	30"	72"
022-W043	3913+72.0	3915+23.6	RT	166		
022-W046	3965+65.0	3965+70.0	LT	19		
	3965+66.4	3969+97.3	LT		428	
	3970+03.0	3971+40.0	LT		138	
022-W052	4020+52.0	4020+62.0	RT			16
	4020+65.7	4021+34.5	RT			69
	4021+36.0	4021+36.0	RT			19
PROJECT TOTAL				185	568	104

PRECAST CONCRETE BOX CULVERTS 9x5'			
RETAINING WALL	STATION	LT/RT	QUANTITY (FOOT)
022-W052	4020+44	RT	24
PROJECT TOTAL			24

STORM SEWERS										
RETAINING WALL	FROM	TO	STRUCTURE	LT/RT	QUANTITY (FOOT)					
					CLASS A TYPE 1 24"	CLASS A TYPE 1 48"	CLASS A TYPE 2 12"	CLASS A TYPE 2 48"	CLASS A TYPE 2 72"	CLASS B TYPE 1 12"
022-W043	3913+72.0	3913+72.0	101	RT						7
	3913+72.0	3915+23.6	102	RT						147
022-W046	3965+66.9	3967+32.0	211	LT		158				
	3967+32.0	3970+15.0	212	LT		277				
	3970+15.0	3971+18.0	213	LT				102		
	3965+66.9	3965+70.0	215	LT			8			
	3965+59.0	3965+59.0	N/A	LT						
022-W052	4020+49.0	4020+60.5	400	RT						20
	4020+69.0	4021+27.3	401	RT						66
	4021+34.8	4021+34.3	401A	RT						13
	4020+02.0	4020+08.0	402	RT	6					
	4020+11.1	4020+16.8	403	RT	6					
PROJECT TOTAL					12	435	8	102	99	154

CATCH BASINS						
RETAINING WALL	STRUCTURE	STATION	LT/RT	OFFSET	QUANTITY (EACH)	
					CATCH BASIN, TYPE C, TYPE 8 GRATE	CATCH BASIN, TYPE A, 4'-DIAMETER TYPE 8 GRATE
022-W046	220	3965+59	LT	60	1	
022-W052	402	4020+10	RT	75		1
	403	4020+19	RT	75		1
PROJECT TOTAL					1	2

MANHOLES										
RETAINING WALL	STRUCTURE	STATION	LT/RT	OFFSET	QUANTITY (EACH)					
					MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 7' DIAMETER, TYPE 1 FRAME, CLOSED LID	MANHOLES, TYPE A, 10' DIAMETER, TYPE 1 FRAME, CLOSED LID	TEMPORARY MANHOLE
022-W043	100	3913+72.0	RT	72.8	1					
	101	3913+72.0	RT	62.3	1					
	102	3915+23.6	RT	60.6	1					
022-W046	200	3965+69.3	LT	87.0						1
	201	3967+25.0	LT	78.5						1
	202	3970+00.0	LT	82.0						1
	203	3970+00.0	LT	49.0						1
	211	3967+32.0	LT	71.5						
	212	3970+15.0	LT	78.5			1			
	213	3971+18.0	LT	78.5			1			
022-W052	214	3971+36.0	LT	43.8						
	400	4020+65.1	RT	52.0					1	
	401	4021+31.4	RT	52.0					1	
PROJECT TOTAL					3	1	2	1	2	4

REMOVING MANHOLES				
RETAINING WALL	STATION	LT/RT	OFFSET	QUANTITY (EACH)
022-W046	3967+72	LT	63.5	1
	3970+19	LT	66.1	1
022-W052	4020+63	RT	55.0	1
	4021+37	RT	55.0	1
PROJECT TOTAL				4

REMOVING CATCH BASINS TO MAINTAIN FLOW				
RETAINING WALL	STATION	LT/RT	OFFSET	QUANTITY (EACH)
022-W052	4019+99.0	RT	57.0	1
PROJECT TOTAL				1

CONCRETE GUTTER, TYPE B				
RETAINING WALL	FROM STA	TO STA	LT/RT	QUANTITY (FOOT)
022-W046	3965+06	3970+90	LT	583
PROJECT TOTAL				583

COMBINATION CURB & GUTTER, TYPE B-6.12				
RETAINING WALL	FROM STA	TO STA	LT/RT	QUANTITY (FOOT)
022-W052	4022+49	4023+22	RT	80
Naperville Electric Duct Bank Work				214
PROJECT TOTAL				294

GUARDRAIL REMOVAL				
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (FOOT)
022-W046	3965+06	3965+98	LT	92
PROJECT TOTAL				92

TEMPORARY CONCRETE BARRIER				
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (FOOT)
022-W046	3959+50	3967+00	LT	750
PROJECT TOTAL				750

BARRIER WALL MARKERS, TYPE C				
RETAINING WALL	FROM	TO	LT/RT	QUANTITY (EACH)
022-W046	3959+50	3967+00	LT	60
PROJECT TOTAL				60

TRAFFIC CONTROL AND PROTECTION (SPECIAL)				
				QUANTITY (L. SUM)
NOTE:	LUMP SUM			1
PROJECT TOTAL				1

DRAINAGE STRUCTURES TO BE CLEANED				
RETAINING WALL	STA	OFFSET	LT/RT	QUANTITY (EACH)
022-W052	4019+54	41.9	RT	1
022-W052	4019+68	49.7	RT	1
022-W052	4021+09	41.4	RT	1
022-W052	4021+62	46.8	RT	1
PROJECT TOTAL				4

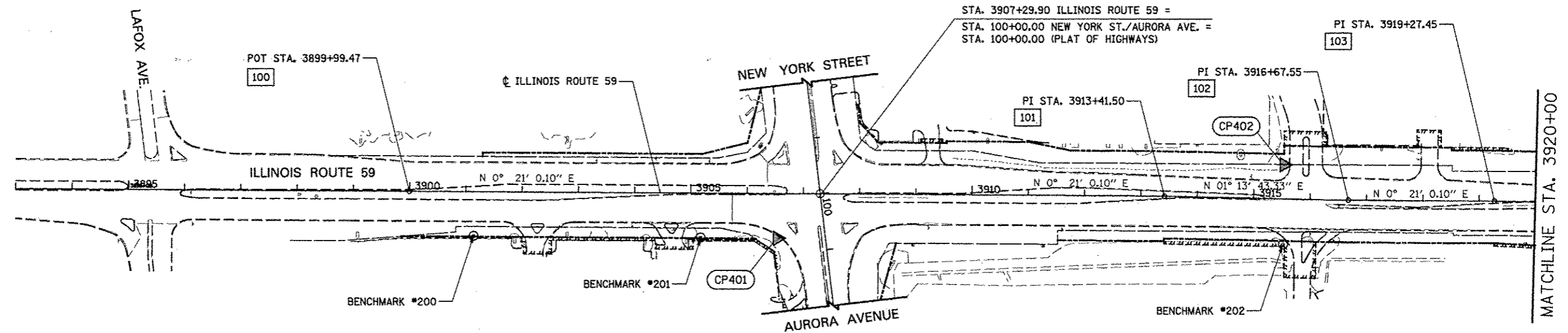
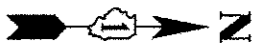
MANHOLES TO BE RECONSTRUCTED				
RETAINING WALL	STA	OFFSET	LT/RT	QUANTITY (EACH)
022-W052	401954	41.9	RT	1
022-W052	401968	49.7	RT	1
022-W052	402109	41.4	RT	1
022-W052	402162	46.8	RT	1
PROJECT TOTAL				4

IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2				
RETAINING WALL	STATION	OFFSET	LT/RT	QUANTITY (EACH)
022-W046	3967+00	40	LT	1
PROJECT TOTAL				1

TEMPORARY INFORMATION SIGNING					
STA	LT/RT	SIGN DIM. (IN)	DESCRIPTION	QUANTITY	AREA (SQ FT)
3900+74	RT	45x68	ARTERIAL ROAD INFO.	1	51
3987+00	LT	45x68	ARTERIAL ROAD INFO.	1	52
PROJECT TOTAL				2	103

RAILROAD PROTECTIVE LIABILITY INSURANCE				
				QUANTITY (L. SUM)
NOTE:	LUMP SUM			1
PROJECT TOTAL				1





**ALIGNMENT DATA**

100	N 855395.72 E 19057.63
101	N 856737.73 E 19065.83
102	N 857063.70 E 19072.82
103	N 857323.60 E 19074.41
104	N 857937.62 E 19090.16

BM #200 3900+14, 79 RT  
SQUARE "□" CUT IN WEST FACE OF HIGH TENSION TOWER BASE, EAST SIDE OF IL ROUTE 59 (#664 S IL RTE 59)  
ELEV. 698.76

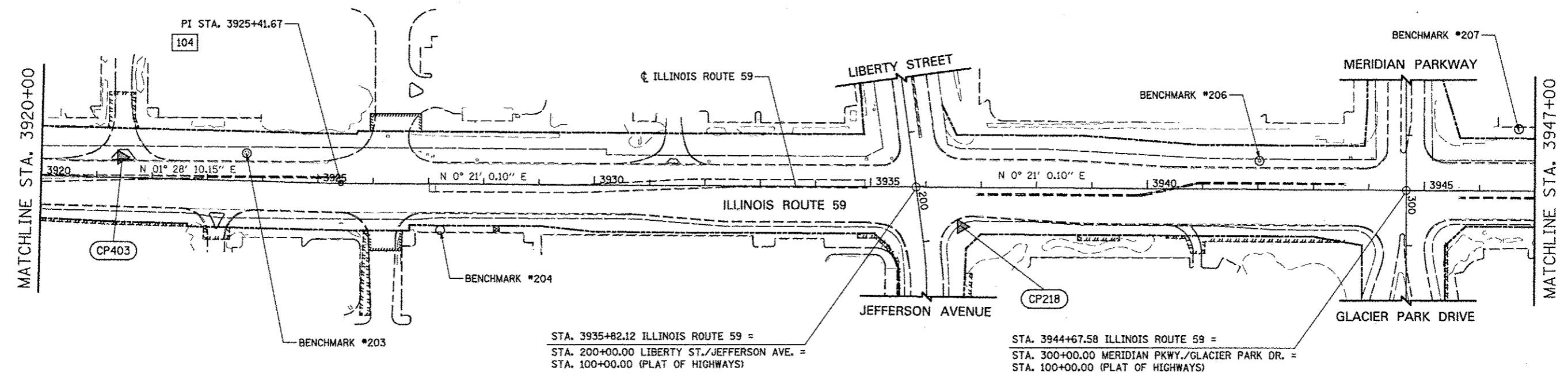
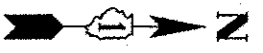
BM #202 3915+54, 81 RT  
SQUARE "□" CUT IN WEST FACE OF HIGH TENSION TOWER BASE, EAST SIDE OF IL ROUTE 59 AT SOUTH ENTRANCE TO CARSON FURNITURE GALLERY / DSW SHOES  
ELEV. 701.90

BM #204 3927+28, 83 RT  
SQUARE "□" CUT IN WEST FACE OF LIGHT POLE BASE, IN PARKING LOT, 50' NORTH OF NORTHWEST CORNER OF CHILI'S RESTAURANT  
ELEV. 707.09

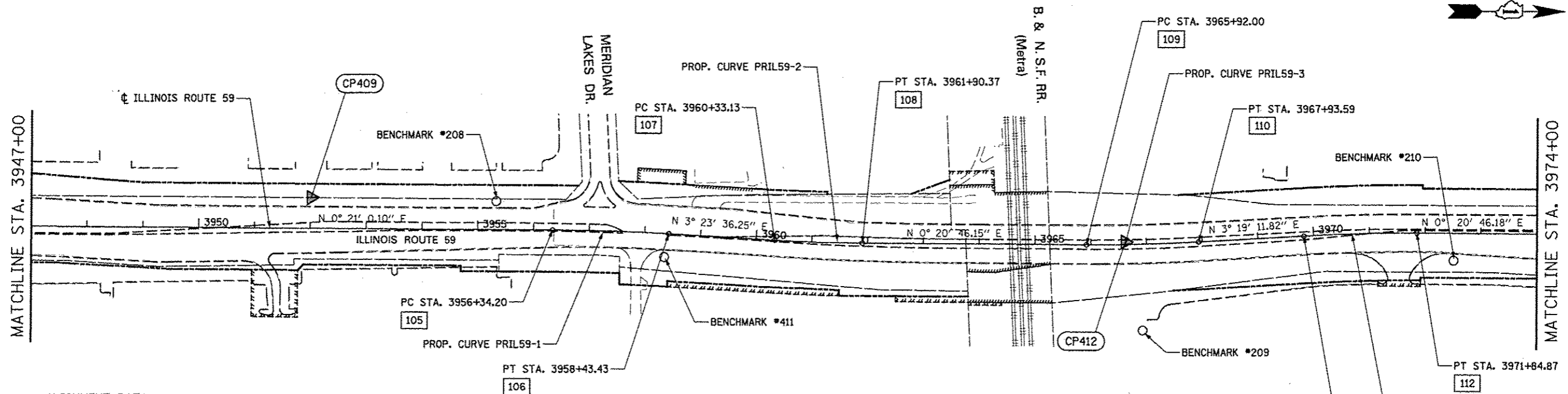
BM #201 3905+18, 79 RT  
SQUARE "□" CUT IN WEST FACE OF HIGH TENSION TOWER BASE, EAST SIDE OF IL ROUTE 59 (#604 IL RTE 59)  
ELEV. 696.82

BM #203 3923+70, 50.6 LT  
SQUARE "□" CUT IN EAST FACE OF HIGH TENSION TOWER BASE, WEST SIDE OF IL ROUTE 59, 150'± SOUTH OF ENTRANCE TO MEIJER FOODS  
ELEV. 711.96

BM #206 3942+03, 51.8 LT  
SQUARE "□" CUT IN SOUTHEAST CORNER OF HIGH TENSION TOWER BASE, WEST SIDE OF IL ROUTE 59, IN FRONT OF SWEET TOMATOES RESTAURANT  
ELEV. 713.74



FILE NAME	USER NAME	DESIGNED	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT, BENCHMARKS, AND TIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES		DRAWN	REVISED			338	2011-036-1	DUPAGE	234	17	
PLT SCALE		CHECKED	REVISED			CONTRACT NO. 60P42					
PLT DATE		DATE	REVISED			ILLINOIS FED. AID PROJECT					
				SCALE: AS SHOWN		SHEET NO. 1 OF 6 SHEETS STA. 3893+00 TO STA. 3947+00					



ALIGNMENT DATA

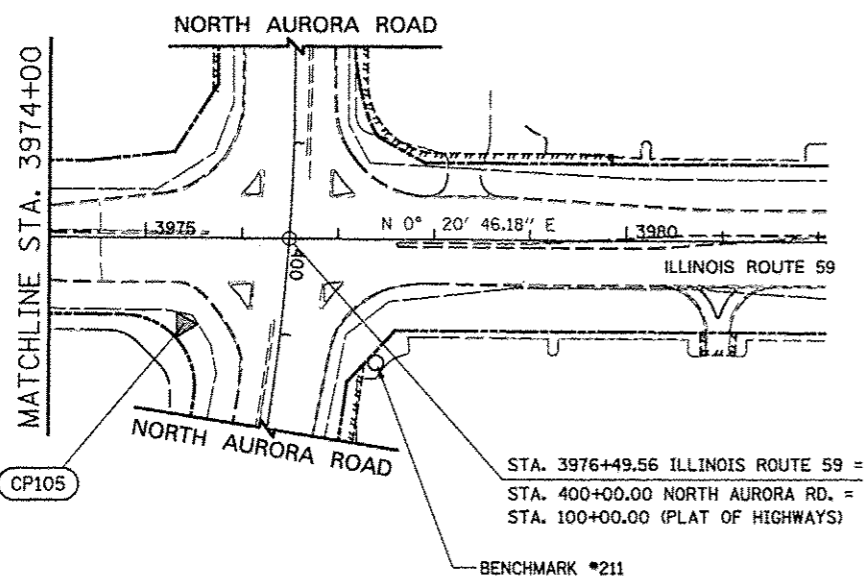
105	N 861030.08 E 19109.05	108	N 861585.69 E 19132.24	111	N 862377.43 E 19118.50
106	N 861239.18 E 19115.88	109	N 861987.31 E 19134.67	112	N 862579.66 E 19113.25
107	N 861428.54 E 19127.11	110	N 862188.79 E 19129.44		

PROP. CURVE PRIL59-1  
 PI STA. = 3957+38.84  
 $\Delta = 3^\circ 02' 36''$  (RT)  
 $D = 1^\circ 27' 16''$   
 $R = 3,939.05'$   
 $T = 104.64'$   
 $L = 209.23'$   
 $E = 1.39'$   
 SE = NORMAL CROWN  
 P.C. STA. = 3956+34.20  
 P.T. STA. = 3958+43.43

PROP. CURVE PRIL59-2  
 PI STA. = 3961+11.77  
 $\Delta = 3^\circ 02' 50''$  (LT)  
 $D = 1^\circ 56' 16''$   
 $R = 2,956.67'$   
 $T = 78.64'$   
 $L = 157.25'$   
 $E = 1.05'$   
 SE = NORMAL CROWN  
 P.C. STA. = 3960+33.13  
 P.T. STA. = 3961+90.37

PROP. CURVE PRIL59-3  
 PI STA. = 3966+92.83  
 $\Delta = 3^\circ 39' 58''$  (LT)  
 $D = 1^\circ 49' 07''$   
 $R = 3,150.48'$   
 $T = 100.83'$   
 $L = 201.59'$   
 $E = 1.61'$   
 SE = NORMAL CROWN  
 P.C. STA. = 3965+92.00  
 P.T. STA. = 3967+93.59

PROP. CURVE PRIL59-4  
 PI STA. = 3970+83.74  
 $\Delta = 3^\circ 39' 58''$  (RT)  
 $D = 1^\circ 48' 43''$   
 $R = 3,162.19'$   
 $T = 101.20'$   
 $L = 202.33'$   
 $E = 1.62'$   
 SE = NORMAL CROWN  
 P.C. STA. = 3969+82.54  
 P.T. STA. = 3971+84.87

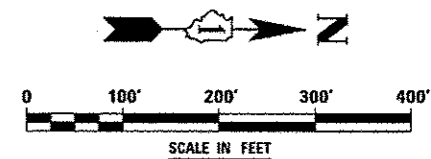


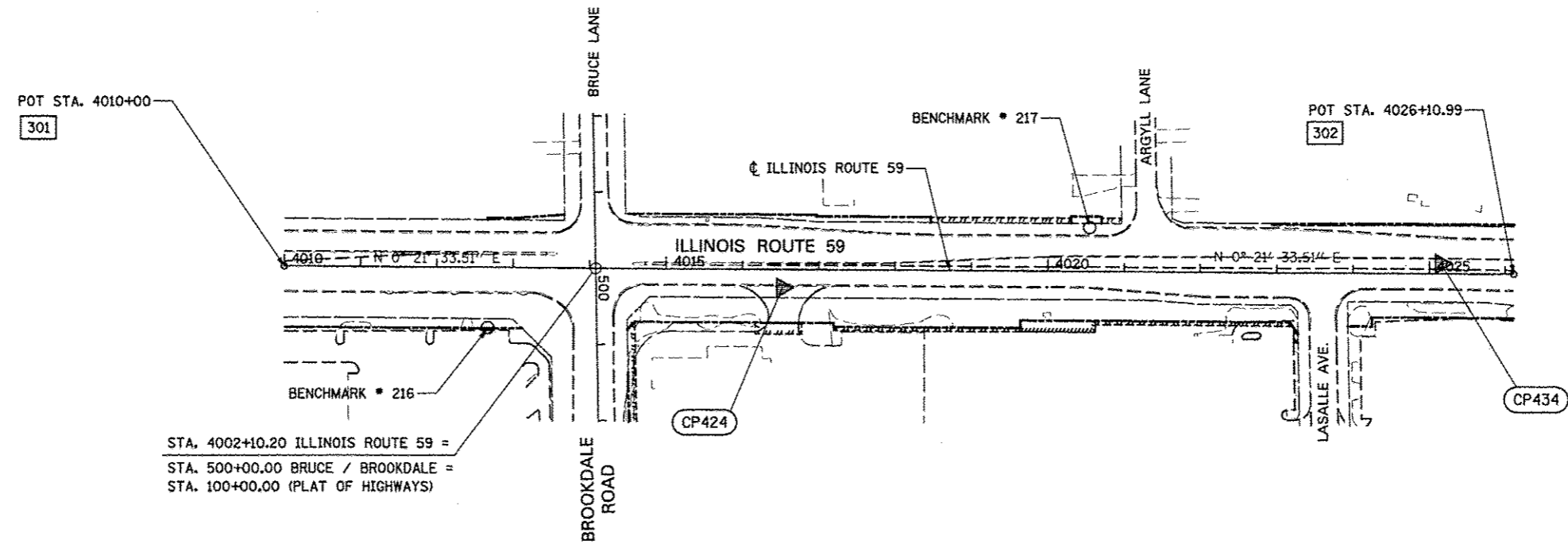
BM #411 3958+37, 42 RT  
 CROSS "+" ON TOP NORTH END OF HEADWALL, 50' NORTH OF CENTERLINE OF PHOENIX CLOSURES DRIVEWAY, EAST SIDE OF IL ROUTE 59  
 ELEV. 696.41

BM #210 3972+51, 49 RT  
 CROSS "+" FOUND WEST SIDE LIGHT POLE BASE, AT NORTH SIDE ENTRANCE OF DELTA SONIC CAR WASH  
 ELEV. 703.95

BM #209 3966+94, 155 RT  
 SQUARE "□" CUT IN BASE OF SOUTHERN MOST LIGHT POLE IN PARKING LOT AT #1778 IL ROUTE 59  
 ELEV. 701.63

BM #211 3977+40, 129 RT  
 SQUARE "□" CUT IN SOUTH SIDE OF LIGHT POLE BASE, JUST SOUTH OF CVS DRUG STORE SIGN, NORTHEAST CORNER IL ROUTE 59 AND NORTH AURORA AVENUE  
 ELEV. 707.30





STA. 4002+10.20 ILLINOIS ROUTE 59 =  
 STA. 500+00.00 BRUCE / BROOKDALE =  
 STA. 100+00.00 (PLAT OF HIGHWAYS)

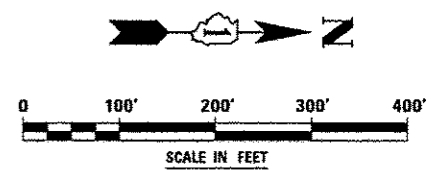
**BENCHMARKS**

**BM #216 4012+67, 79 RT**  
 SQUARE "□" CUT IN WEST SIDE OF LIGHT POLE BASE,  
 AT NORTHWEST CORNER OF CHASE BANK, SOUTHEAST  
 CORNER IL ROUTE 59 AND BROOKDALE ROAD  
 ELEV. 714.28

**BM #217 4020+54, 57 LT**  
 SQUARE "□" ON TOP NORTH END OF HEADWALL, WEST  
 SIDE OF IL ROUTE 59, 75' SOUTH OF CENTERLINE OF  
 ARGYLL LANE  
 ELEV. 708.12

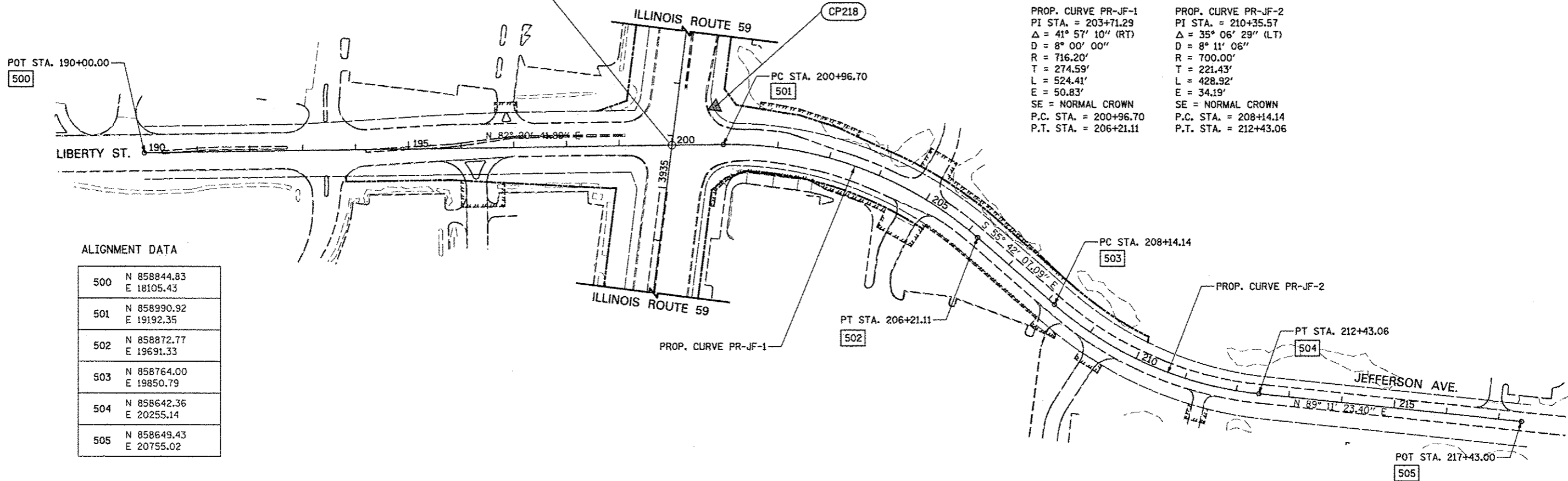
**ALIGNMENT DATA**

301	N 866394.47 E 19149.87
302	N 868005.42 E 19159.97



FILE NAME	USER NAME	DESIGNED	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT, BENCHMARKS, AND TIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN	REVISED			338	2011-036-1		234	19	
		CHECKED	REVISED			CONTRACT NO. 60P42					
		DATE	REVISED			ILLINOIS FED. AID PROJECT					
		DATE	05-11-12	SCALE: AS SHOWN		SHEET NO. 3 OF 6 SHEETS		STA. 4010+00 TO STA. 4026+11			

STA. 3935+82.12 ILLINOIS ROUTE 59 =  
 STA. 200+00.00 LIBERTY ST./JEFFERSON AVE. =  
 STA. 100+00.00 (PLAT OF HIGHWAYS)

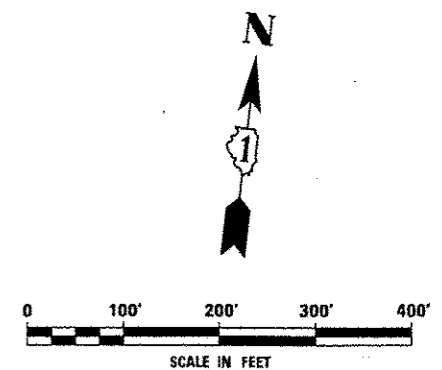


PROP. CURVE PR-JF-1  
 PI STA. = 203+71.29  
 $\Delta = 41^\circ 57' 10''$  (RT)  
 $D = 8^\circ 00' 00''$   
 $R = 716.20'$   
 $T = 274.59'$   
 $L = 524.41'$   
 $E = 50.83'$   
 SE = NORMAL CROWN  
 P.C. STA. = 200+96.70  
 P.T. STA. = 206+21.11

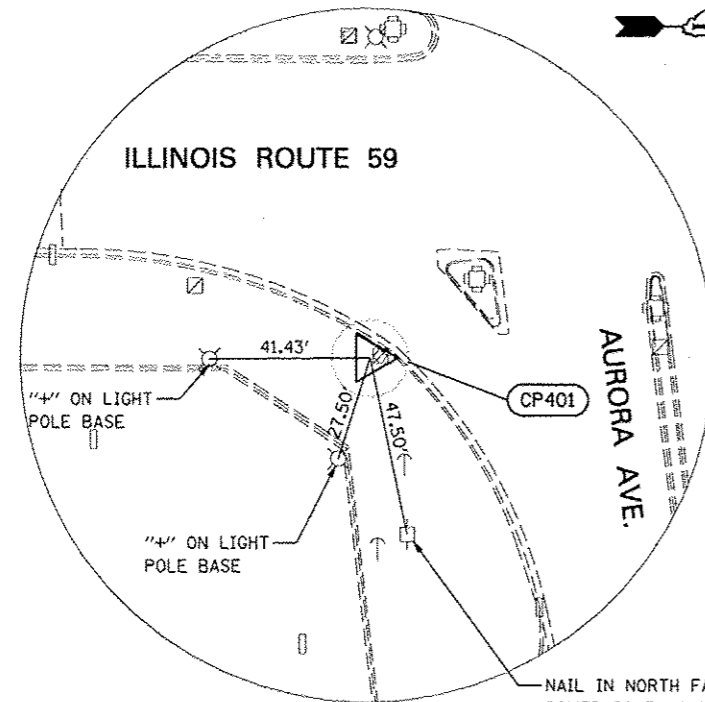
PROP. CURVE PR-JF-2  
 PI STA. = 210+35.57  
 $\Delta = 35^\circ 06' 29''$  (LT)  
 $D = 8^\circ 11' 06''$   
 $R = 700.00'$   
 $T = 221.43'$   
 $L = 428.92'$   
 $E = 34.19'$   
 SE = NORMAL CROWN  
 P.C. STA. = 208+14.14  
 P.T. STA. = 212+43.06

ALIGNMENT DATA

500	N 858844.83 E 18105.43
501	N 858990.92 E 19192.35
502	N 858872.77 E 19691.33
503	N 858764.00 E 19850.79
504	N 858642.36 E 20255.14
505	N 858649.43 E 20755.02



FILE NAME :	USER NAME : AUGER*	DESIGNED NAV	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT, BENCHMARKS, AND TIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	DRAWN KES	CHECKED PJO	REVISED			338	2011-036-1	DUPAGE	234	20
	PLBT SCALE = #SCALE*	DATE 05-11-12	REVISED			CONTRACT NO. 60P42			ILLINOIS FED. AID PROJECT	
	PLBT DATE = #DATE*			SCALE: AS SHOWN	SHEET NO. 4 OF 6 SHEETS	STA. 190+00 TO STA. 217+43				

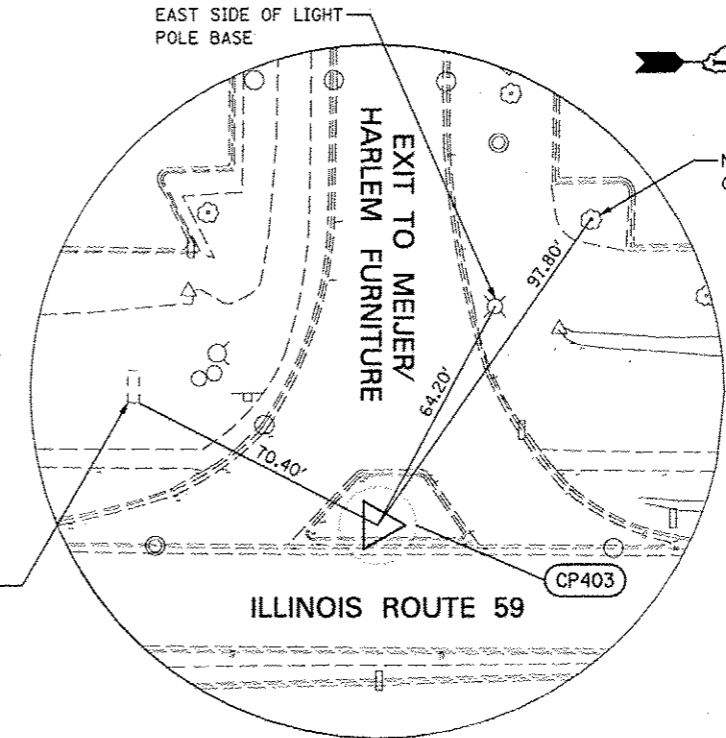


**CONTROL POINT 401**

REBAR W/CAP 4' EAST OF MID-POINT OF BACK OF CURB IN THE SOUTH EAST QUADRANT OF IL RTE 59 AND AURORA AVE., 0.5' SOUTH OF EXISTING HANDHOLE.

N 856050.06  
E 19141.30  
ELEV. = 693.09

NAIL IN NORTH FACE OF POWER POLE, 1' ABOVE GROUND

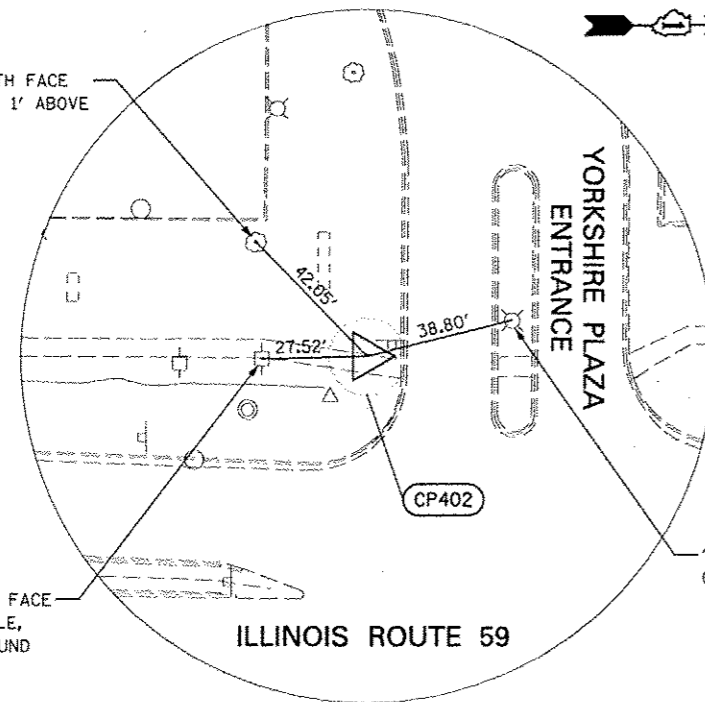


**CONTROL POINT 403**

CROSS (+) 3' WEST OF WEST BACK OF CURB OF PORK CHOP ISLAND AT SOUTH EASTERN EXIT OF MEIJER FOODS/HARLEM FURNITURE TO RTE 59.

N 857541.5  
E 19043.14  
ELEV. = 705.51

NORTH EAST CORNER OF CONCRETE BASE OF BRICK SIGN



**CONTROL POINT 402**

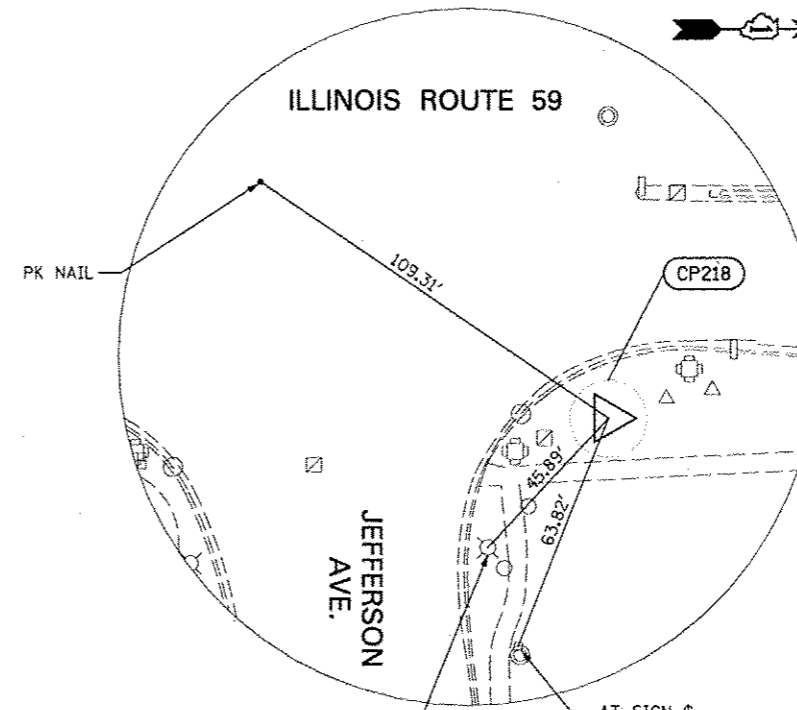
CROSS (+) CUT 0.5' EAST OF WEST BACK OF SIDEWALL EDGE, 9' SOUTH OF BACK OF CURB, AT SOUTH ENTRANCE TO YORKSHIRE PLAZA AT RTE 59.

N 856950.33  
E 19009.40  
ELEV. = 701.37

NAIL IN SOUTH FACE OF 15" TREE, 1' ABOVE GROUND

NAIL IN EAST FACE OF POWER POLE, 1' ABOVE GROUND

"4" ON SOUTH SIDE OF LIGHT POLE BASE



**CONTROL POINT 218**

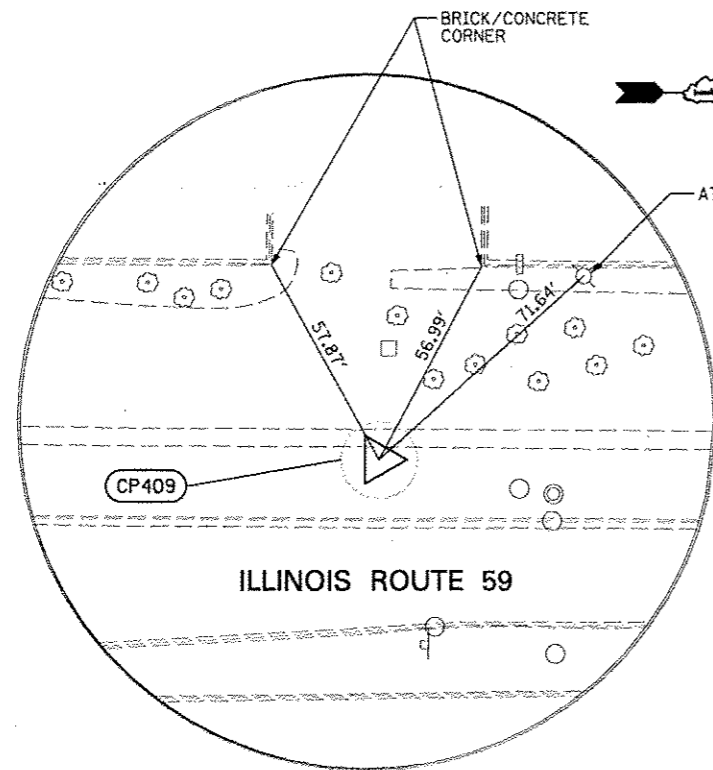
NAPERVILLE GPS MONUMENT AT NORTHEAST CORNER OF IL RTE 59 AND JEFFERSON AVE., 8' WEST OF EDGE OF SIDEWALK, 10' EAST OF MID-POINT OF BACK OF CURB.

N 859060.22  
E 19168.45  
ELEV. = 710.10

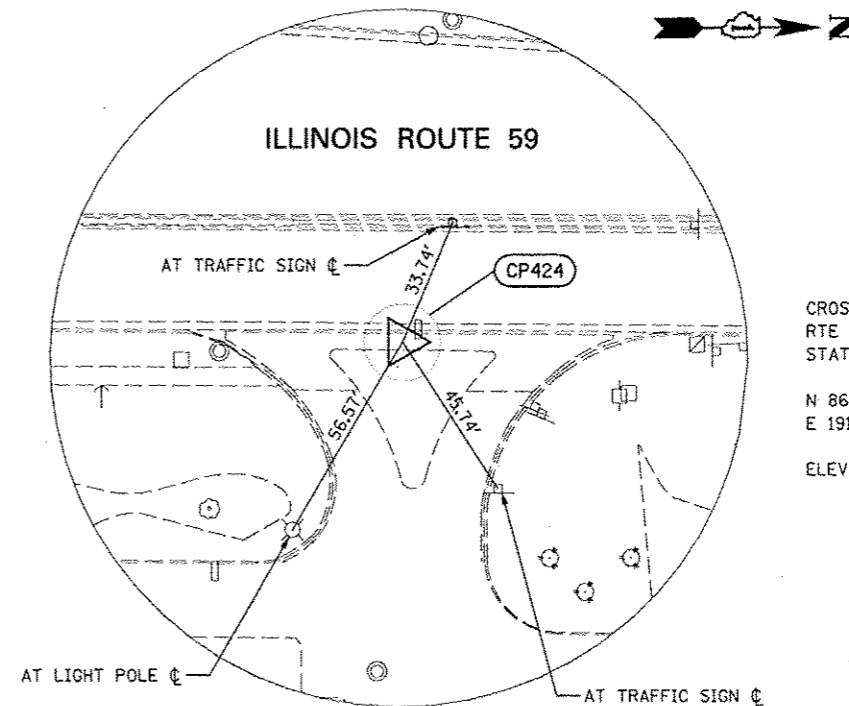
NORTH FACE OF LIGHT POLE

AT SIGN

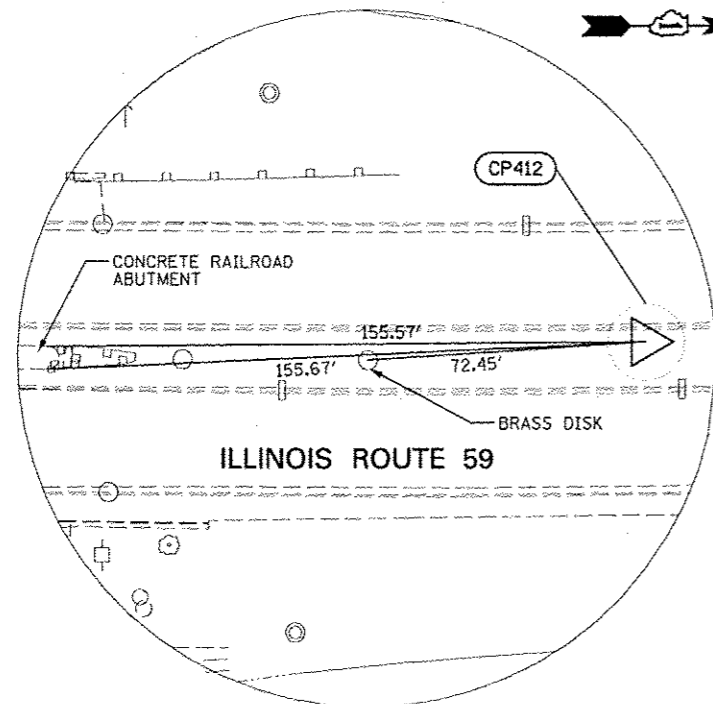
FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ALIGNMENT, BENCHMARKS, AND TIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	#USER#	DRAWN	REVISED			338	2011-036-1	DUPAGE	234	21	
		CHECKED	REVISED			CONTRACT NO. 60P42		ILLINOIS FED. AID PROJECT			
		DATE	REVISED			SCALE: AS SHOWN	SHEET NO. 5 OF 6 SHEETS	STA.	TO STA.		



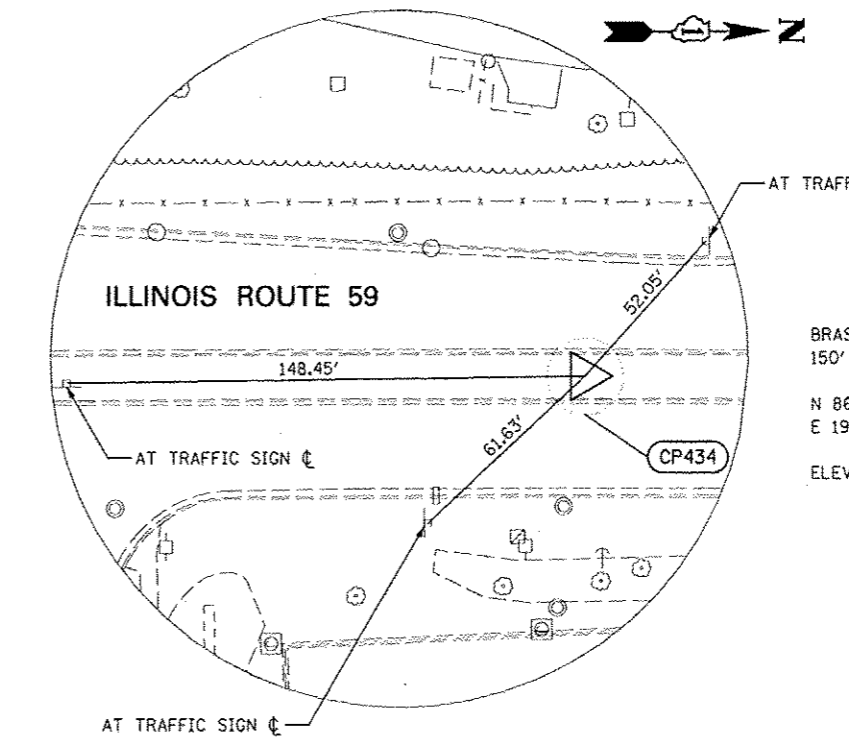
**CONTROL POINT 409**  
 3/4" IRON PIPE 3' EAST OF FACE WALK, 12' WEST OF WEST BACK OF CURB OF RTE 59. AT PROPERTY LINE BETWEEN RED LOBSTER AND RADIOSHACK.  
 N 860598.0  
 E 19051.32  
 ELEV. = 703.79



**CONTROL POINT 424**  
 CROSS (+) CUT 2' EAST OF EAST BACK OF CURB ON RTE 59, AT CENTER OF ENTRANCE TO BP GAS STATION.  
 N 867046.2  
 E 19178.16  
 ELEV. = 712.03



**CONTROL POINT 412**  
 CROSS (+) CUT IN ISLAND ON RTE 59, 150' NORTH OF CL NORTH OF RAILROAD BRIDGE PIER, 3' EAST OF WEST BACK OF CURB OF ISLAND.  
 N 862057.5  
 E 19129.89  
 ELEV. = 688.16



**CONTROL POINT 434**  
 BRASS DISC AT CL OF ISLAND ON RTE 59, 150' NORTH OF CL OF LASALLE AVE.  
 N 867909.4  
 E 19146.36  
 ELEV. = 710.69

FILE NAME : #FILE#	USER NAME : #USER#	DESIGNED NAV	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT, BENCHMARKS, AND TIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN KES	REVISED			338	2011-036-1	DUPAGE	234	22	
		CHECKED PJD	REVISED			CONTRACT NO. 60P42					
		DATE 05-11-12	REVISED			ILLINOIS FED. AID PROJECT					
				SCALE: AS SHOWN		SHEET NO. 6 OF 6 SHEETS		STA.		TO STA.	

**SUGGESTED CONSTRUCTION SEQUENCING**

**RETAINING WALL SN 022-W043**

**DRAINAGE:**

RELOCATE EXISTING 12" STORM SEWER TO BE CLEAR OF PROPOSED RETAINING WALL FOOTING.

**RETAINING WALL:**

- CONSTRUCT L-SHAPED RETAINING WALL.
- CONNECT PIPE UNDERDRAINS FOR STRUCTURES, 4" TO EXISTING STORM SEWER SYSTEM.

**RESTORATION:**

TOPSOIL FURNISH AND PLACE 2" TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2.

**RETAINING WALL SN 022-W044**

**DRAINAGE:**

NO TEMPORARY DRAINAGE WORK REQUIRED.

**RETAINING WALL:**

- CONSTRUCT L-SHAPED RETAINING WALL.
- CONNECT PIPE UNDERDRAINS FOR STRUCTURES, 4" TO EXISTING STORM SEWER SYSTEM.

**RESTORATION:**

TOPSOIL FURNISH AND PLACE 2" TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2.

**RETAINING WALL SN 022-W046**

**DRAINAGE:**

- RELOCATE EXISTING 30" STORM SEWER TO BE CLEAR OF PROPOSED RETAINING WALL CONSTRUCTION.
- INSTALL PERMANENT 48" STORM SEWER AFTER RETAINING WALL CONSTRUCTION.

**RETAINING WALL:**

- CONSTRUCT SOLDIER PILE RETAINING WALL.
- CONNECT PIPE UNDERDRAINS FOR STRUCTURES, 4" TO EXISTING STORM SEWER SYSTEM.

**RESTORATION:**

TOPSOIL FURNISH AND PLACE 2" TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2

**RETAINING WALL SN 022-W042**

**DRAINAGE:**

NO TEMPORARY DRAINAGE WORK REQUIRED.

**RETAINING WALL:**

- CONSTRUCT SOLDIER PILE RETAINING WALL.
- CONNECT PIPE UNDERDRAINS FOR STRUCTURES, 4" TO EXISTING STORM SEWER SYSTEM.

**RESTORATION:**

TOPSOIL FURNISH AND PLACE 2" TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2.

**RETAINING WALL SN 022-W052**

**DRAINAGE:**

- REMOVE AND REINSTALL 72" STORM SEWER TO BE CLEAR OF PROPOSED RETAINING WALL.
- INSTALL 9' X 5' PRECAST CONCRETE BOX CULVERT AFTER RETAINING WALL CONSTRUCTION AND PRIOR TO BACKFILL.
- CONNECT PROPOSED 9' X 5' PRECAST CONCRETE BOX CULVERT TO EXISTING 9' X 5' CONCRETE BOX CULVERT WITH 30" STORM SEWER.

**RETAINING WALL:**

- CONSTRUCT SOLDIER PILE RETAINING WALL.
- CONNECT PIPE UNDERDRAINS FOR STRUCTURES, 4" TO EXISTING STORM SEWER SYSTEM.

**RESTORATION:**

- TOPSOIL FURNISH AND PLACE 2" TEMPORARY EROSION CONTROL SEEDING MULCH METHOD 2.
- DRIVEWAY: HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N50, 2", HOT-MIX ASPHALT BASE COURSE, 4"
- COMBINATION CONCRETE CURB AND GUTTER TYPE B6.12.

FILE NAME	USER NAME	DESIGNED	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED CONSTRUCTION SEQUENCING</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILE #	USER #	DRAWN	REVISED			338	2011-036-1	DUPAGE	234	23	
PLOT SCALE = #SCALE#	CHECKED	DATE	REVISED			CONTRACT NO. 60P42					
PLOT DATE = #DATE#	DATE	05-11-12	REVISED			ILLINOIS FED. AID PROJECT					
					SCALE: AS SHOWN	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.		

**MAINTENANCE OF TRAFFIC GENERAL NOTES**

1. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN THE EXISTING TRAFFIC LANES IN EACH DIRECTION ON ILLINOIS ROUTE 59, AND ALL SIDE ROADS.
2. THE CONTRACTOR SHALL PROVIDE ALL SIGNS, TYPE II BARRICADES OR CHANNELIZATION DRUMS NECESSARY FOR THE MAINTENANCE OF TRAFFIC, OR AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL INSTALL AND MAINTAIN PROPOSED AND TEMPORARY DRAINAGE SYSTEMS, AND EROSION CONTROL THROUGHOUT STAGE CONSTRUCTION DURING THE DURATION OF THE PROJECT.
4. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ACCESS TO ALL COMMERCIAL AND PRIVATE ENTRANCES.
5. THE CONTRACTOR SHALL MAINTAIN EXISTING LIGHTING DURING THE DURATION OF THE PROJECT AS DIRECTED BY THE ENGINEER.
6. THE CONTRACTOR SHALL USE TEMPORARY PAVEMENT MARKING ON EXISTING SURFACES TO REMAIN.
7. 4 INCH SOLID WHITE TEMPORARY PAVEMENT MARKING LINE SHALL BE USED TO DEFINE EDGE OF TRAVEL LANE WHERE EXISTING RIGHT TURN LANE IS TO BE TEMPORARILY CLOSED.
8. 24 INCH SOLID WHITE PAVEMENT MARKING LINES ARE TO BE USED FOR STOP BARS.
9. ALL TYPE II BARRICADES AND DRUMS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS.
10. ALL TYPE II BARRICADES OR DRUMS SHALL BE SPACED AT 25 FEET CENTER TO CENTER THROUGHOUT THE WORK ZONE AND ALONG CORNER RADII.

11. ALL CONSTRUCTION WARNING SIGNS SHALL BE BLACK LEGEND ON ORANGE BACKGROUND.
12. ALL CONSTRUCTION WARNING SIGN DIMENSIONS SHALL BE 48" X 48".
13. ALL "ROAD CONSTRUCTION AHEAD" WARNING SIGNS (W20-1) SHALL BE EQUIPPED WITH HIGH INTENSITY FLASHING LIGHTS.

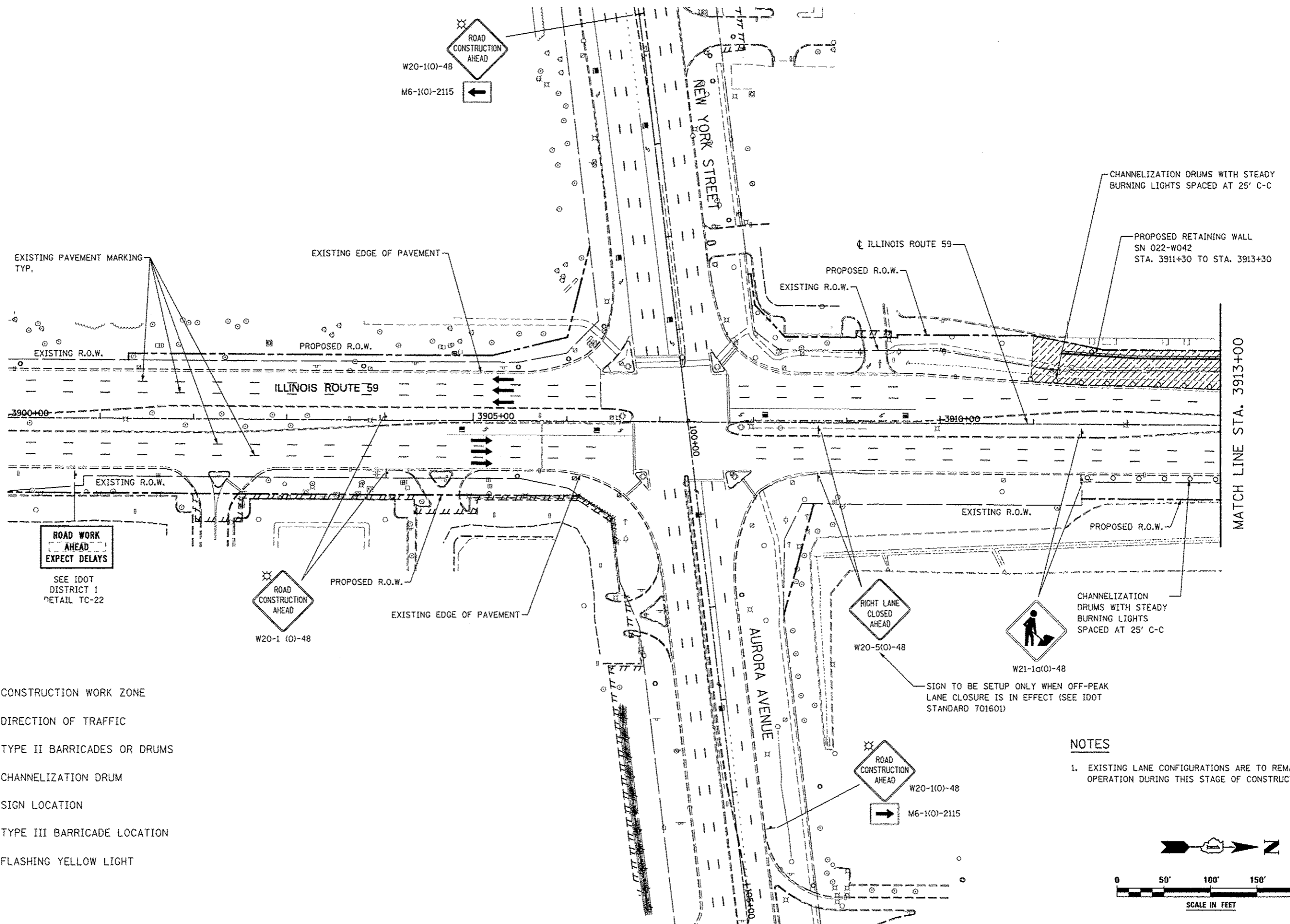
14. ANY ADDITIONAL TRAFFIC CONTROL DEVICES SUCH AS BARRICADES, DRUMS, VERTICAL PANELS, SIGNS, ETC. REQUIRED FOR THE MAINTENANCE OF TRAFFIC AT THE SIDE ROADS AND ENTRANCES SHALL BE INCLUDED IN THE LUMP SUM CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).

15. AT THE END OF EACH WORK DAY, THE CONTRACTOR SHALL BACKFILL OR COVER ALL TRENCHES AND OPEN EXCAVATION HOLES FOR PROPOSED STORM SEWER, DRAINAGE STRUCTURES, AND WATER MAINS IN ORDER TO PROVIDE A SAFE CONDITION FOR MOTORISTS AND THE PUBLIC DURING NON-WORKING HOURS. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).








16. ALL TRAFFIC CONTROL AND PROTECTION REQUIRED FOR THE CITY OF NAPERVILLE ELECTRICAL DUCT BANK WORK NOT INCLUDED IN THE MAINTENANCE OF TRAFFIC PLANS SHALL BE IN ACCORDANCE WITH REQUIREMENTS INCLUDED IN THE SPECIAL PROVISION FOR TRAFFIC CONTROL AND PROTECTION (ARTERIALS).

FILE NAME :	USER NAME : #USER#	DESIGNED NAV	REVISED 06-04-12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC GENERAL NOTES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN KES	REVISED			338	2011-036-1		234	24
		CHECKED PJO	REVISED			CONTRACT NO. 60P42		ILLINOIS FED. AID PROJECT		
		DATE 05-11-12	REVISED	SCALE:	SHEET NO. 1 OF 8 SHEETS	STA.	TO STA.			



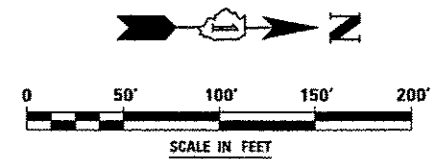


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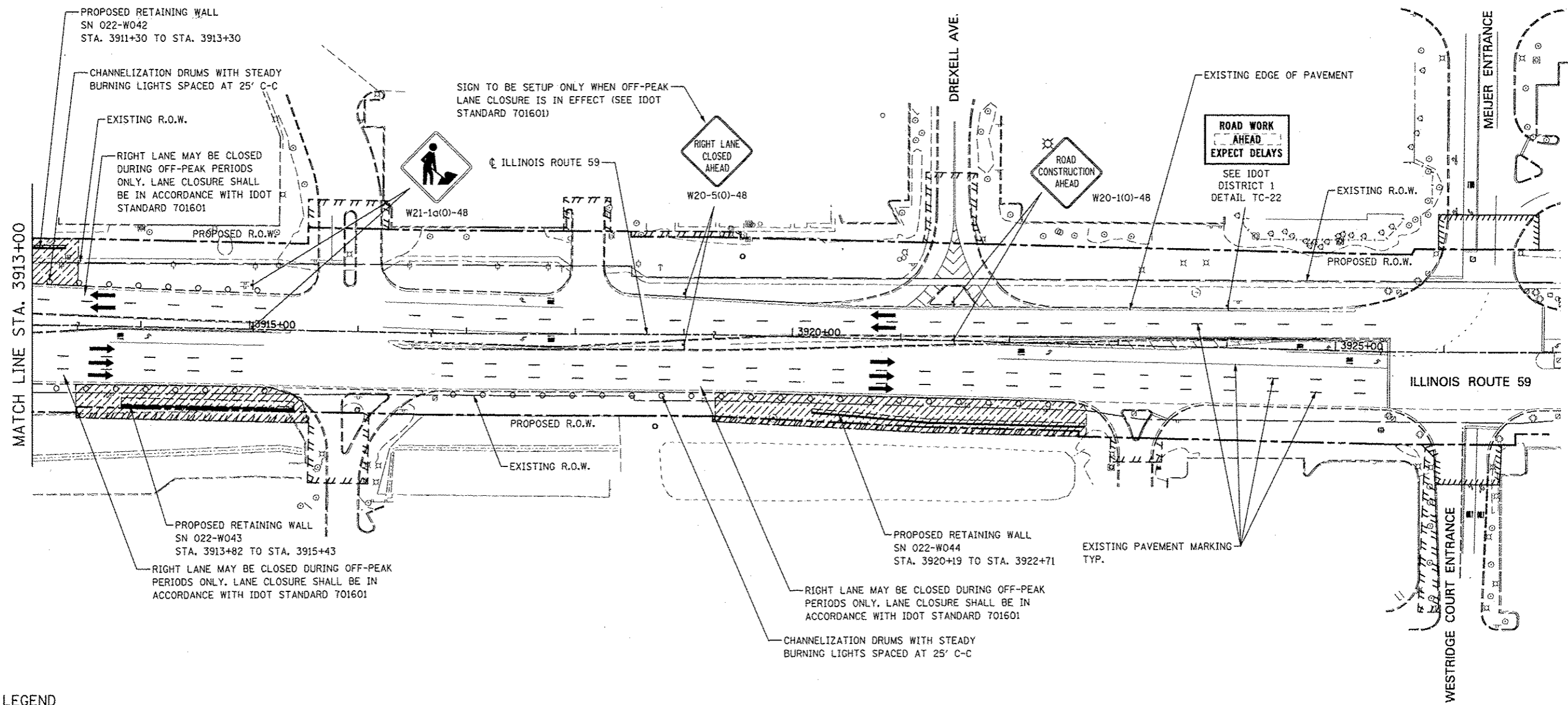
-  CONSTRUCTION WORK ZONE
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS
-  CHANNELIZATION DRUM
-  SIGN LOCATION
-  TYPE III BARRICADE LOCATION
-  FLASHING YELLOW LIGHT

**NOTES**








1. EXISTING LANE CONFIGURATIONS ARE TO REMAIN IN OPERATION DURING THIS STAGE OF CONSTRUCTION.



FILE NAME	USER NAME : #USERS	DESIGNED NAV	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC ILLINOIS ROUTE 59</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = #DATE#		DATE 05-11-12	REVISED			CONTRACT NO. 60P42 ILLINOIS FED. AID PROJECT					

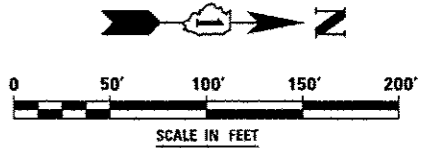


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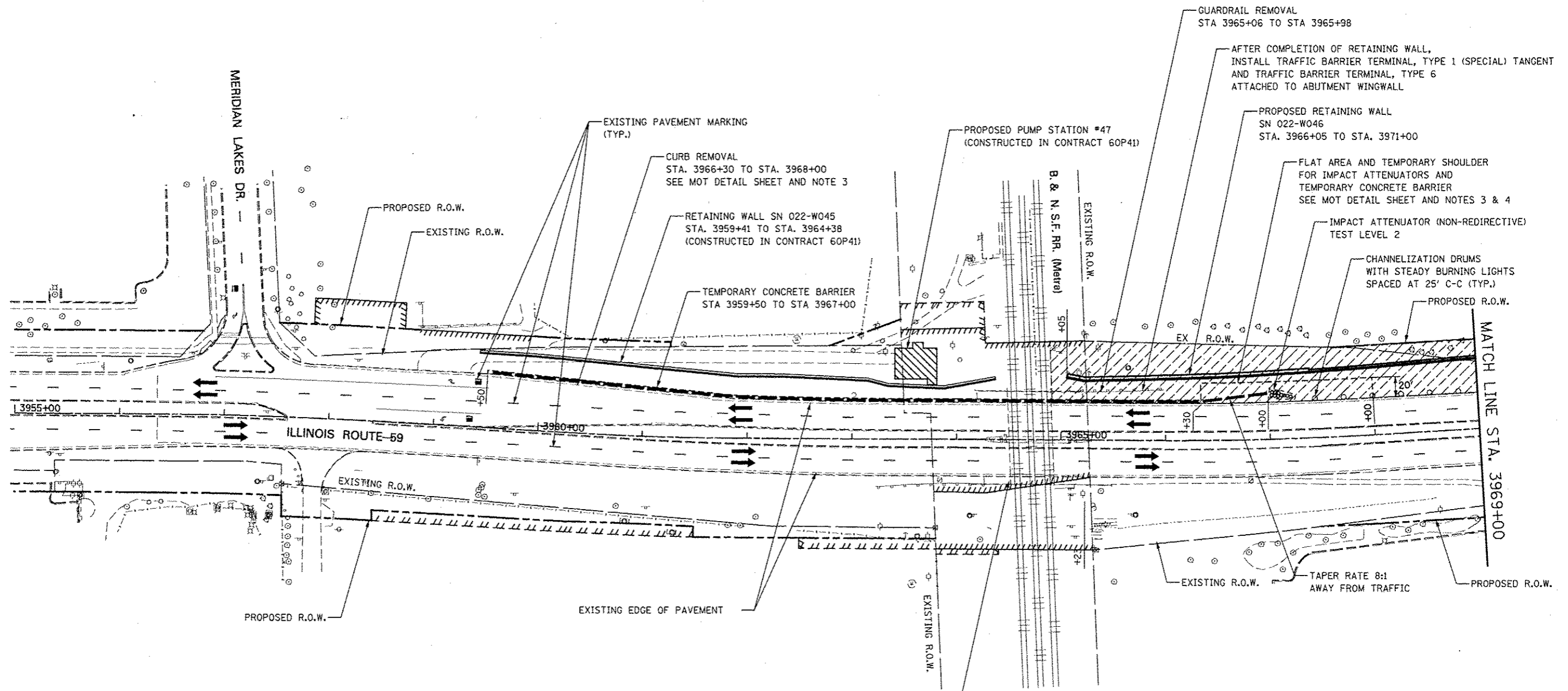
-  CONSTRUCTION WORK ZONE
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS
-  CHANNELIZATION DRUM
-  SIGN LOCATION
-  TYPE III BARRICADE LOCATION
-  FLASHING YELLOW LIGHT

**NOTES**

1. EXISTING LANE CONFIGURATIONS ARE TO REMAIN IN OPERATION DURING THIS STAGE OF CONSTRUCTION.



FILE NAME :	USER NAME : BUGHRS	DESIGNED : NAV	REVISED :	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC ILLINOIS ROUTE 59</b>	F.A.P. RTE. : 338	SECTION : 2011-036-1	COUNTY : DUPAGE	TOTAL SHEETS : 234	SHEET NO. : 26
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		DATE : 05-11-12	REVISOR :							



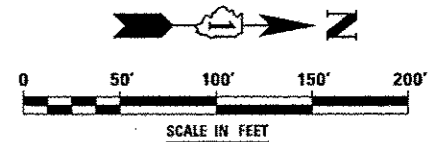
**LEGEND**

- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC
- TYPE II BARRICADES OR DRUMS
- CHANNELIZATION DRUM
- SIGN LOCATION
- TYPE III BARRICADE LOCATION
- FLASHING YELLOW LIGHT

DRUMS OR TYPE II BARRICADES WITH STEADY BURNING LIGHTS SPACED AT 25' C-C (TYP.)

**NOTES**

1. EXISTING LANE CONFIGURATIONS ARE TO REMAIN IN OPERATION DURING THIS STAGE OF CONSTRUCTION.
2. SEE CROSS SECTIONS FOR GRADING DETAILS.
3. GRADING OF THE FLAT AREA REQUIRED FOR THE PLACEMENT OF THE IMPACT ATTENUATOR AND TEMPORARY CONCRETE BARRIER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CURB REMOVAL.
4. SEE IDOT STANDARD DETAIL 643001, SAND MODULE IMPACT ATTENUATORS.



FILE NAME	USER NAME	DESIGNED NAV	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC ILLINOIS ROUTE 59</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILE#		DRAWN KES	REVISED			338	2011-036-1	DUPAGE	234	27	
		CHECKED PJO	REVISED			CONTRACT NO. 60P42					
		DATE 05-11-12	REVISED			ILLINOIS FED. AID PROJECT					
				SCALE: AS SHOWN		SHEET NO. 4 OF 8 SHEETS		STA. 3955+00 TO STA. 3969+00			

RIGHT LANE MAY BE CLOSED DURING OFF-PEAK PERIODS ONLY. LANE CLOSURE SHALL BE IN ACCORDANCE WITH IDOT STANDARD 701601

DRUMS OR TYPE II BARRICADES WITH STEADY BURNING LIGHTS SPACED AT 25' C-C (TYP.)

PROPOSED RETAINING WALL SN 022-W046 STA. 3966+05 TO STA. 3971+00

CHANNELIZATION DRUMS WITH STEADY BURNING LIGHTS SPACED AT 25' C-C








EXISTING PAVEMENT MARKING TYP.

SIGN TO BE SETUP ONLY WHEN OFF-PEAK LANE CLOSURE IS IN EFFECT (SEE IDOT STANDARD 701601)

MATCH LINE STA. 3969+00

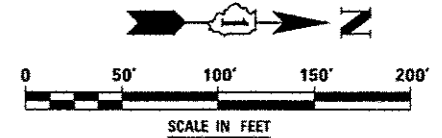
MATCH LINE STA. 3983+00

**LEGEND**

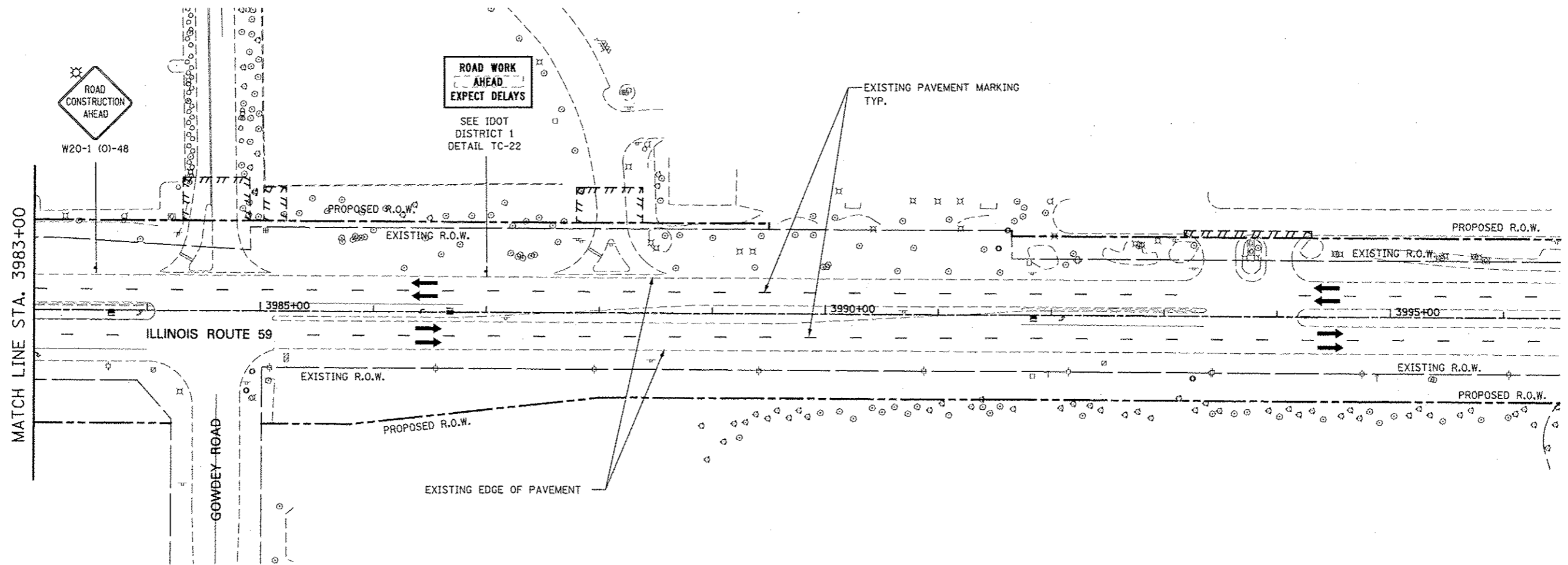
-  CONSTRUCTION WORK ZONE
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS
-  CHANNELIZATION DRUM
-  SIGN LOCATION
-  TYPE III BARRICADE LOCATION
-  FLASHING YELLOW LIGHT

**NOTES**








1. EXISTING LANE CONFIGURATIONS ARE TO REMAIN IN OPERATION DURING THIS STAGE OF CONSTRUCTION.
2. SEE CROSS SECTIONS FOR GRADING DETAILS.



FILE NAME	USER NAME - #USER#	DESIGNED NAV	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC ILLINOIS ROUTE 59</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE - #SCALE#	DATE 05-11-12	REVISED	REVISED			CONTRACT NO. 60P42		ILLINOIS FED. AID PROJECT			
PLOT DATE - #DATE#	DATE 05-11-12	REVISED	REVISED			SCALE: AS SHOWN SHEET NO. 5 OF 8 SHEETS STA. 3969+00 TO STA. 3983+00					

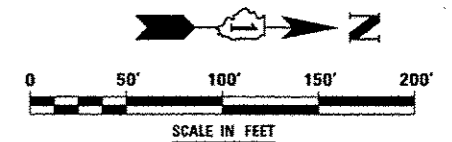


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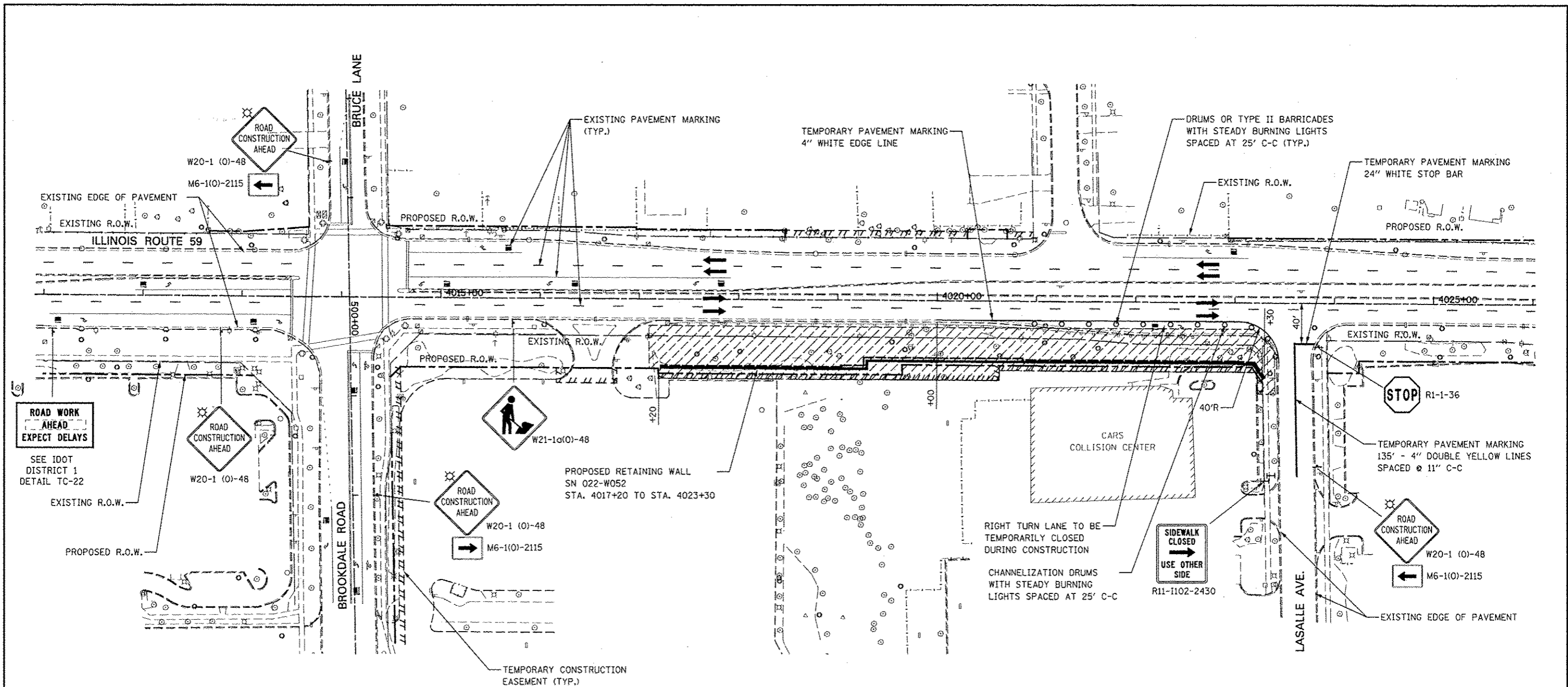
-  CONSTRUCTION WORK ZONE
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS
-  CHANNELIZATION DRUM
-  SIGN LOCATION
-  TYPE III BARRICADE LOCATION
-  FLASHING YELLOW LIGHT

**NOTES**








1. EXISTING LANE CONFIGURATIONS ARE TO REMAIN IN OPERATION DURING THIS STAGE OF CONSTRUCTION.



FILE NAME	USER NAME = #UGC76	DESIGNED NAV	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC ILLINOIS ROUTE 59</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN KES	REVISED			338	2011-036-1	DUPAGE	234	29
		CHECKED PJO	REVISED			CONTRACT NO. 60P42			ILLINOIS FED. AID PROJECT	
		DATE 05-11-12	REVISED	SCALE: AS SHOWN   SHEET NO. 6 OF 8 SHEETS   STA. 3983+00 TO STA. 3996+50						

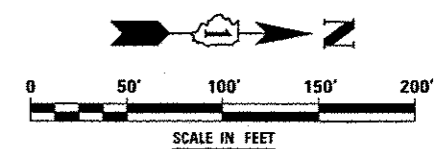


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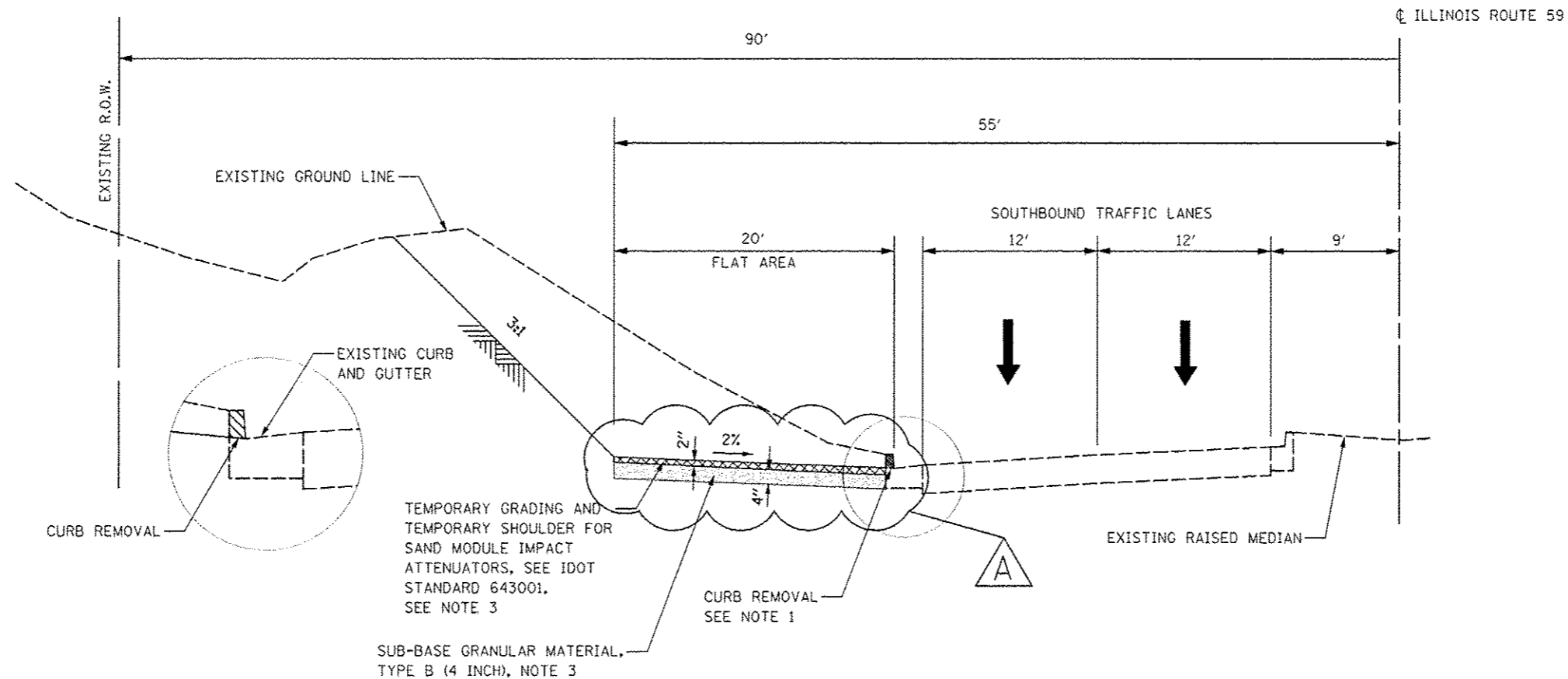
-  CONSTRUCTION WORK ZONE
-  DIRECTION OF TRAFFIC
-  TYPE II BARRICADES OR DRUMS
-  CHANNELIZATION DRUM
-  SIGN LOCATION
-  TYPE III BARRICADE LOCATION
-  FLASHING YELLOW LIGHT

**NOTES**

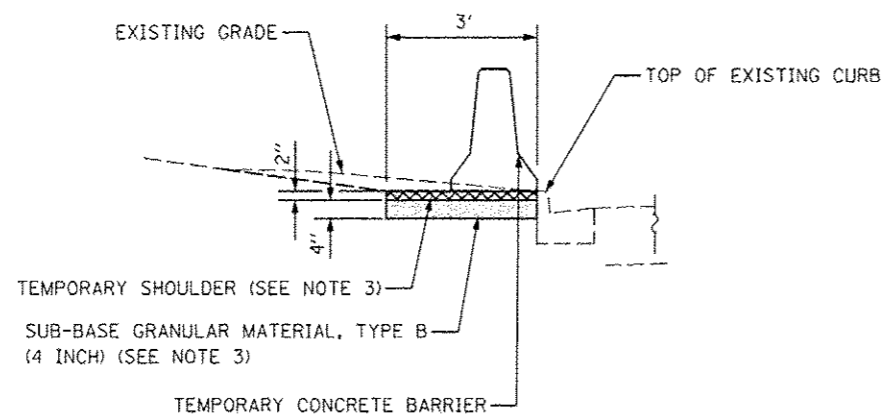
1. EXISTING LANE CONFIGURATIONS ARE TO REMAIN IN OPERATION DURING THIS STAGE OF CONSTRUCTION.
2. SEE CROSS SECTIONS FOR GRADING DETAILS.



FILE NAME	USER NAME	DESIGNED	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC ILLINOIS ROUTE 59</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES		DRAWN	REVISED			338	2011-036-1	DUPAGE	234	30	
		CHECKED	REVISED			SCALE: AS SHOWN   SHEET NO. 7 OF 8 SHEETS   STA. 4011+00 TO STA. 4026+00					
		DATE	REVISED			CONTRACT NO. 60P42 ILLINOIS FED. AID PROJECT					



**GRADING AND TEMPORARY SHOULDER FOR IMPACT ATTENUATOR**  
**STA. 3966+30 TO STA. 3968+00**



**TEMPORARY CONCRETE BARRIER PLACEMENT**  
**STA. 3959+50 TO STA. 3966+30**

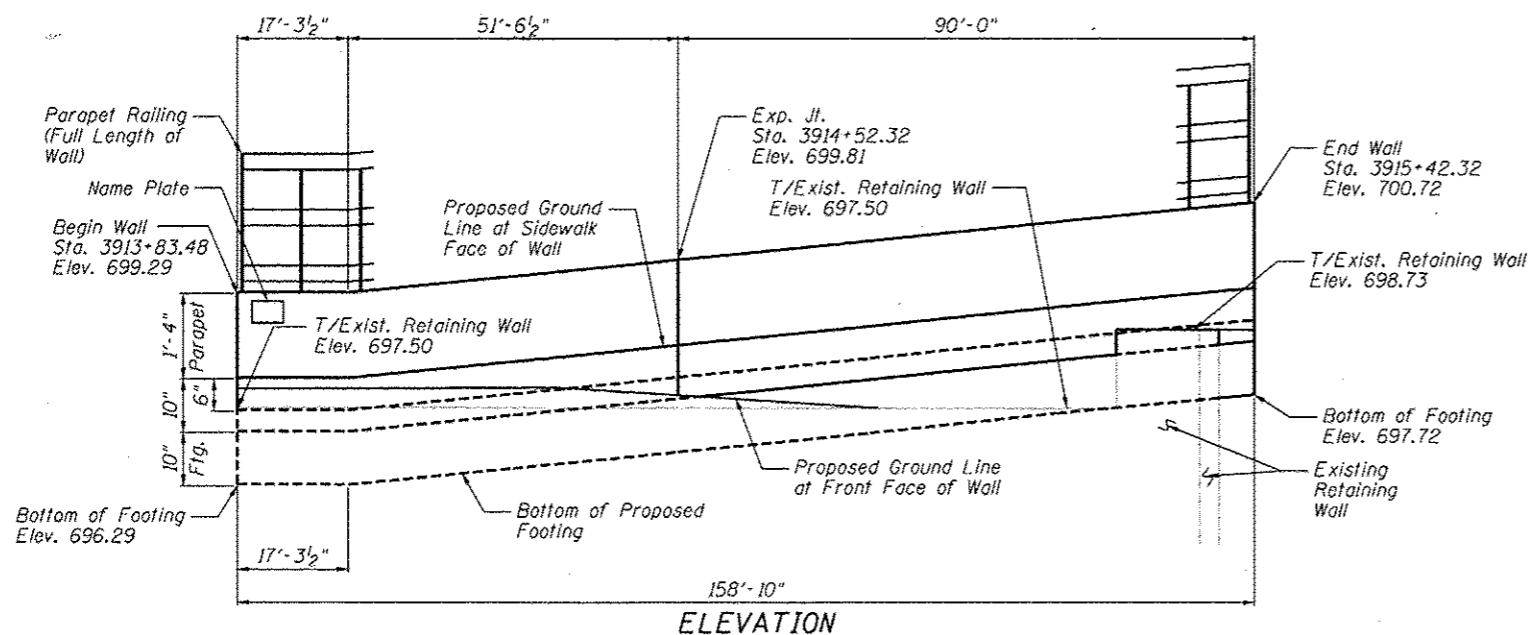
**NOTE**

1. THE REMOVAL OF THE EXISTING CURB HEAD AND ANY ADDITIONAL GRADING REQUIRED FOR THE PLACEMENT OF THE IMPACT ATTENUATOR AND TEMPORARY CONCRETE BARRIER SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY SHOULDERS.
2. SEE IDOT STANDARD DETAIL 643001, SAND MODULE IMPACT ATTENUATORS.
3. SUB-BASE GRANULAR MATERIAL, TYPE B SHALL BE INCLUDED IN THE COST FOR TEMPORARY SHOULDER AND WILL NOT BE PAID FOR SEPERATELY. THE REMOVAL OF TEMPORARY SHOULDER AND SUB-BASE GRANULAR MATERIAL, TYPE B SHALL ALSO BE INCLUDED IN THE COST FOR TEMPORARY SHOULDERS.

FILE NAME :	USER NAME : #USER#	DESIGNED NAV	REVISED Addendum A-07-23-12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MAINTENANCE OF TRAFFIC DETAILS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN KES	REVISED				338	2011-036-1	DUPAGE	234	31
		CHECKED PJO	REVISED		SCALE: AS SHOWN SHEET NO. 8 OF 8 SHEETS STA. TO STA.		CONTRACT NO. 60P42				
		DATE 05-11-12	REVISED		ILLINOIS FED. AID PROJECT						

Bench Mark: Square "□" cut in west face of high tension tower base, east side of IL Rte 59  
Sta. 3905+18, 79' Rt., Elev. 696.82

Existing Structure: None



**INDEX OF SHEETS**

- SA-1. General Plan & Elevation
- SA-2. Wall Plan & Elevation
- SA-3. Wall Section & Details
- SA-4. Details of Wall at Existing Retaining Wall
- SA-5. Parapet Rolling
- SA-6. Boring Logs

**DESIGN SPECIFICATIONS**

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

**DESIGN STRESSES**

**FIELD UNITS**

- $f'_c = 3,500$  psi
- $f_y = 60,000$  psi (reinforcement)
- $f_y = 36,000$  psi (M270 Grade 36)

STATION 3913+83.48  
BUILT 201\_ BY  
STATE OF ILLINOIS  
F.A.P. RT. 338  
SEC. 2011-036-1  
STR. NO. 022-W043

**NAME PLATE**

See Std. 515001

**GENERAL NOTES**

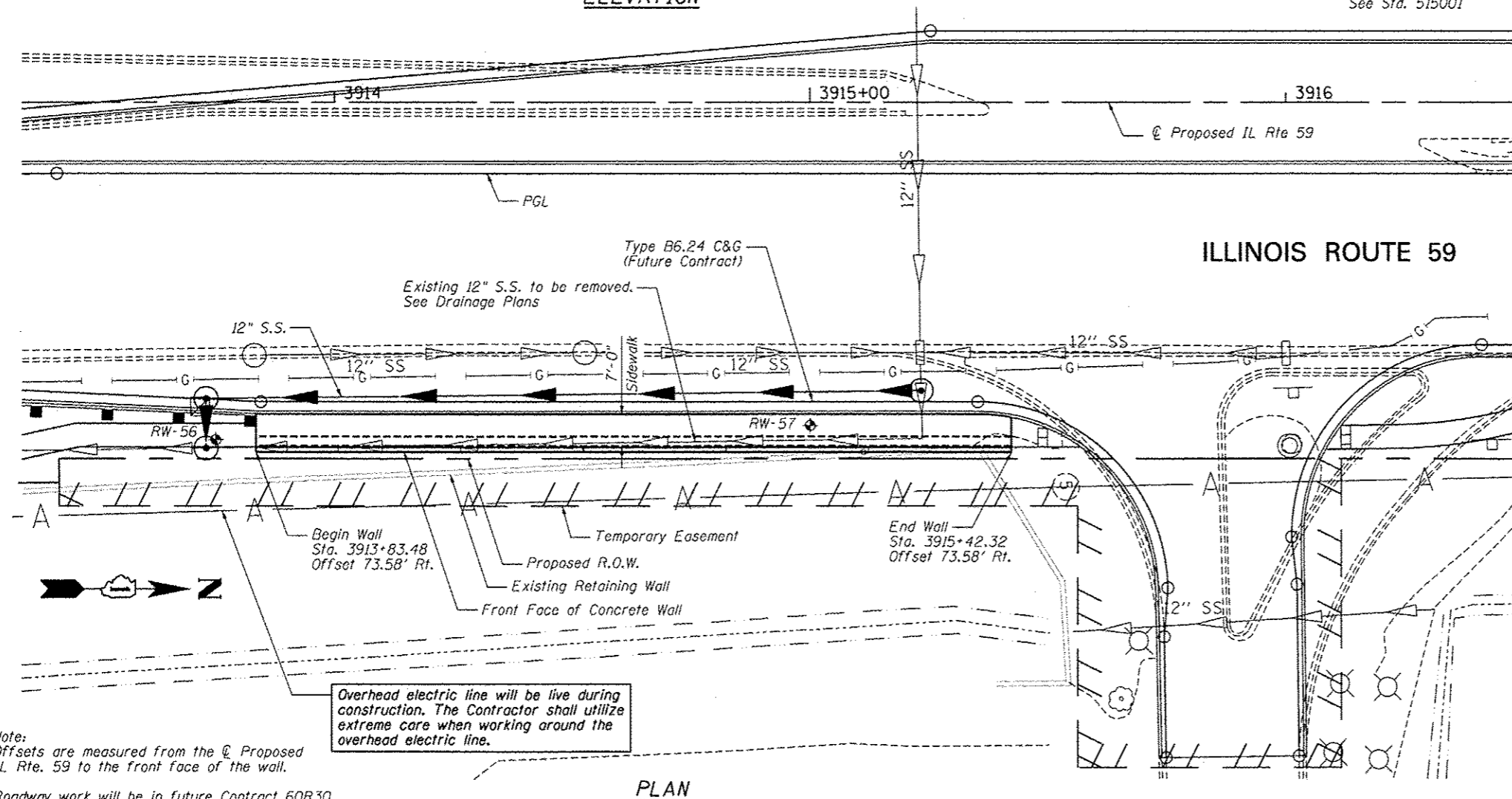
1. Reinforcement bars designated (E) shall be epoxy coated.
2. Protective coat shall be applied to exposed surfaces of the top and back face of wall and the top of the sidewalk.
3. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	46
Concrete Structures	Cu. Yd.	47.9
Protective Coat	Sq.Yd.	165
Reinforcement Bars, Epoxy Coated	Pound	7,510
Name Plates	Each	1
Parapet Rolling	Foot	159

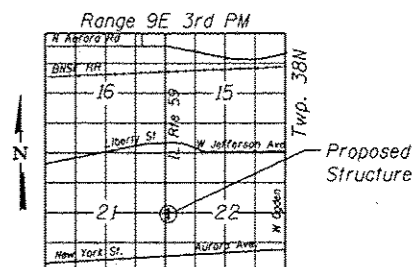
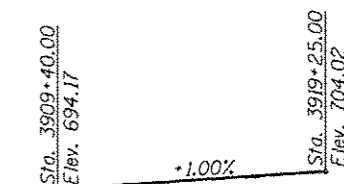


*Deborah A. D'Amico*  
Signature  
Mar. 7, 2012  
Date  
November 30, 2012  
Expires



**ILLINOIS ROUTE 59**

**PROFILE GRADE**  
(along edge of pavement proposed IL Route 59)



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION**  
**IL RTE 59 FAP RTE 338**  
**SECTION 2011-036-1**  
**DUPAGE COUNTY**  
**STA. 3913+83.48 TO STA. 3915+42.32**  
**SN 022-W043**

Note:  
Offsets are measured from the  $\odot$  Proposed IL Rte. 59 to the front face of the wall.

Roadway work will be in future Contract 60R30.

**PLAN**



USER NAME - SAW	DESIGNED - PMM	REVISIONS -
PLOT SCALE - 30.00' / 1" =	CHECKED - DAZ	REVISIONS -
PLOT DATE - 5/4/2012	DRAWN - SAW	REVISIONS -
	CHECKED - PMM	REVISIONS -

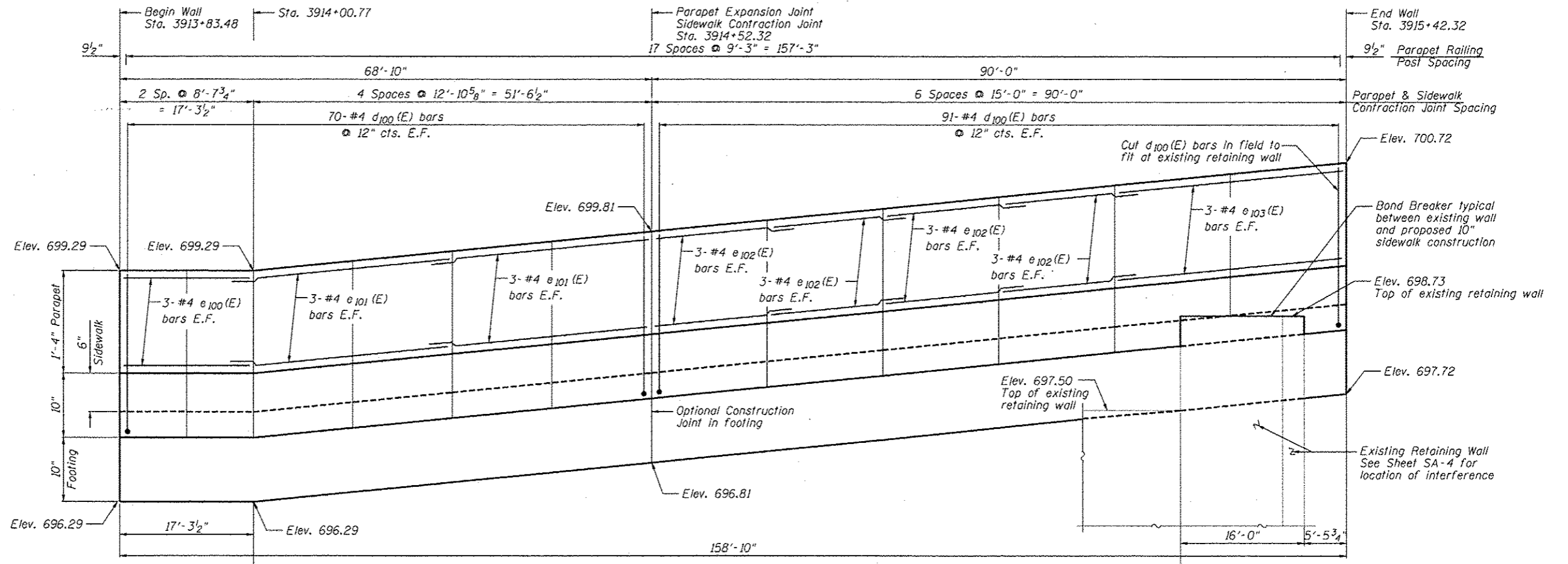
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION**  
**STA. 3913+83.48 TO STA. 3915+42.32 SN 022-W043**

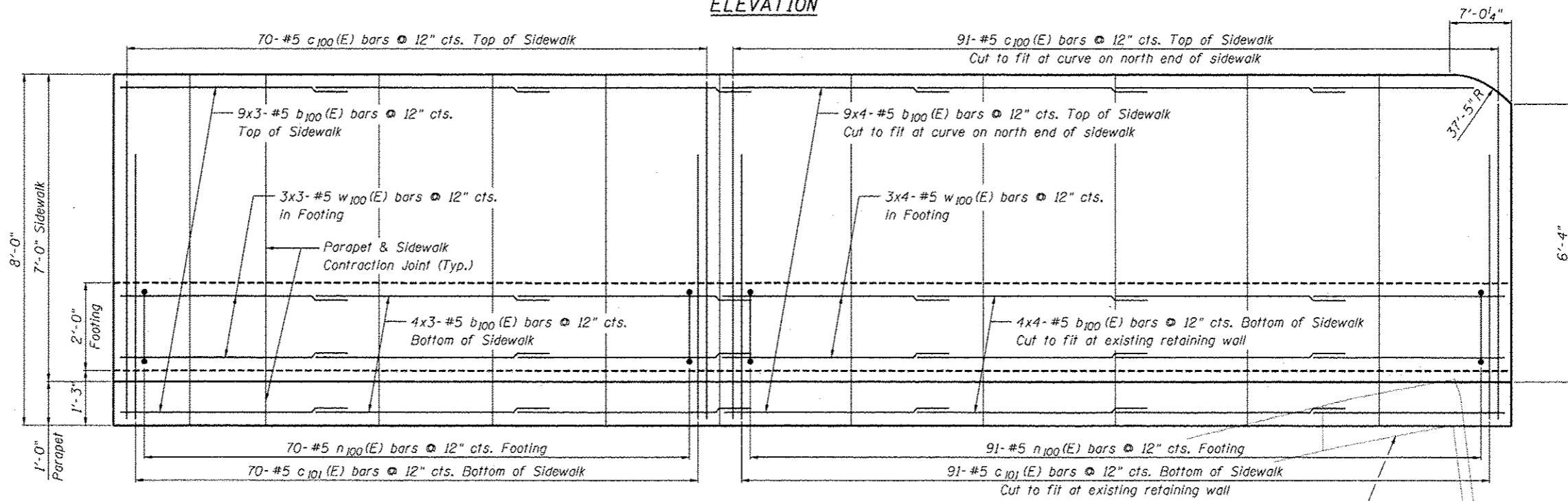
SHEET NO. SA-1 OF SA-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	32
CONTRACT NO. 60P42			ILLINOIS FED. AID PROJECT	





ELEVATION



PLAN

Notes:  
 Min. lap for #4 bar is 2'-11". #5 bar is 3'-8".  
 See Sheet SA-3 for Details and Bill of Material.  
 Bars indicated thus: 4x3-#5 etc. indicates 4 lines of bars with 3 lengths per line.  
 Vertical scale exaggerated for clarity.  
 Parapet Contraction joint shall consist of 3/4" chamfers on front, back, and top side of parapet.  
 Optional full depth construction joint with 1/2" chamfers may be provided in sidewalk placed at a contraction joint location.

WALL PLAN AND ELEVATION  
 SN 022-W043

FILE NAME: \\... \A6822-W043-022-W043-Plan-Elev.dgn



USER NAME: SAW  
 PLOT SCALE: 1/8" = 1'-0"  
 PLOT DATE: 5/4/2012

DESIGNED - PMM  
 CHECKED - DAZ  
 DRAWN - SAW  
 CHECKED - PMM

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

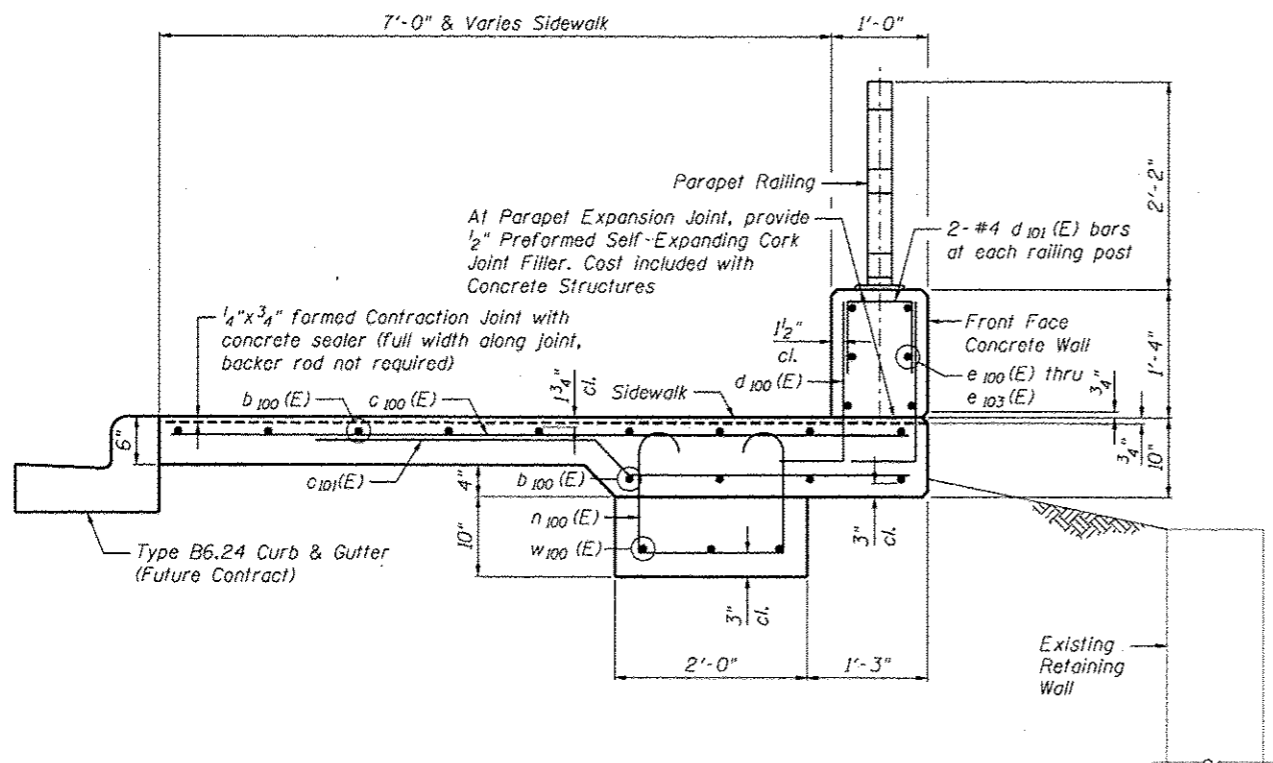
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WALL PLAN & ELEVATION  
 STA. 3913+83.48 TO STA. 3915+42.32 SN 022-W043

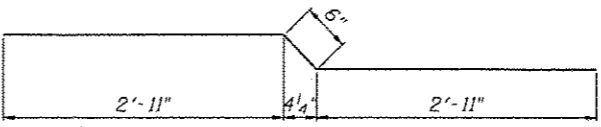
SHEET NO. SA-2 OF SA-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	33
CONTRACT NO. 60P42				

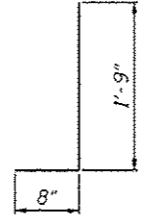
ILLINOIS FED. AID PROJECT



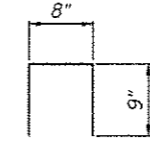
**PROPOSED SIDEWALK FOUNDATION SECTION**  
 Maximum Soil Bearing Pressure = 630 psf



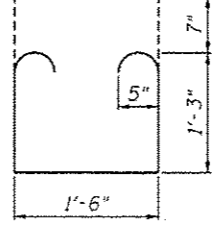
**BAR c101(E)**



**BAR d100(E)**



**BAR d101(E)**



**BAR n100(E)**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
b <sub>100</sub> (E)	91	#5	25'-10"	—
c <sub>100</sub> (E)	161	#5	7'-8"	—
c <sub>101</sub> (E)	161	#5	6'-4"	—
d <sub>100</sub> (E)	330	#4	2'-5"	⌋
d <sub>101</sub> (E)	36	#4	2'-2"	⌋
e <sub>100</sub> (E)	6	#4	17'-0"	—
e <sub>101</sub> (E)	12	#4	28'-8"	—
e <sub>102</sub> (E)	24	#4	17'-11"	—
e <sub>103</sub> (E)	6	#4	29'-8"	—
n <sub>100</sub> (E)	161	#5	5'-2"	⌋
w <sub>100</sub> (E)	21	#5	25'-10"	—
Item		Unit	Quantity	
Concrete Structures		Cu. Yd.	47.9	
Reinforcement Bars (Epoxy Coated)		Pound	7,510	

**WALL SECTION AND DETAILS**  
 SN 022-W043



Zroka Engineering, P.C.  
 4216 North Hermitage  
 Chicago, IL 60613

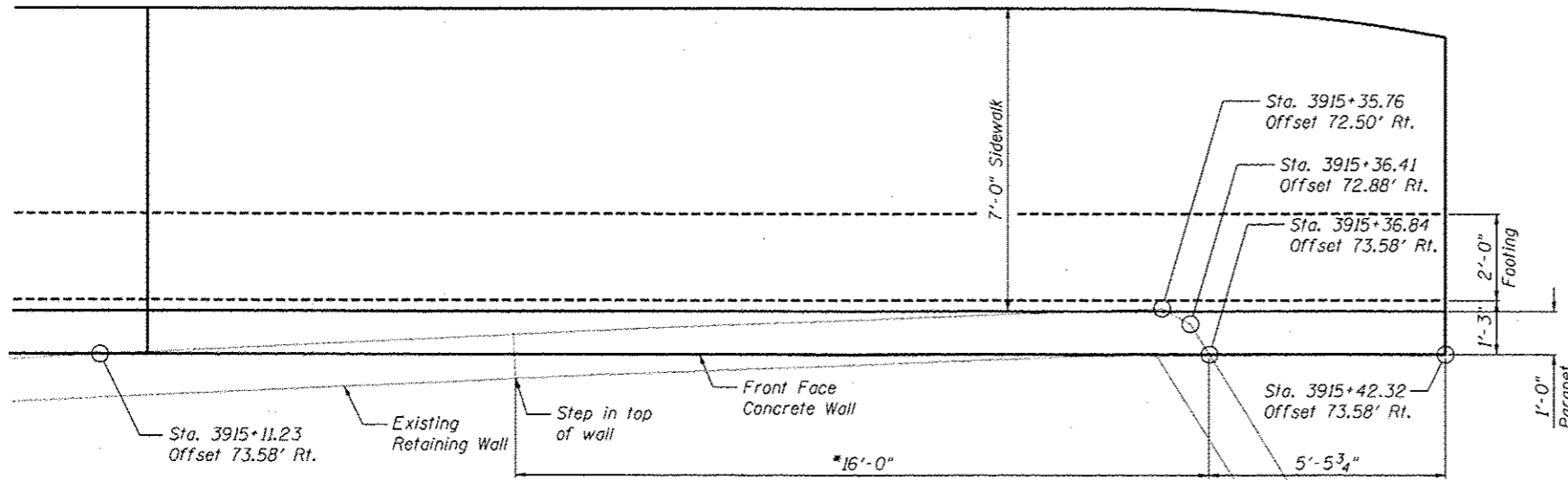
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PLOT DATE = 5/4/2012	DRAWN - SAW	REVISED -
	CHECKED - PMM	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**WALL SECTION AND DETAILS**  
 STA. 3913 + 83.48 TO STA. 3915 + 42.32 SN 022-W043

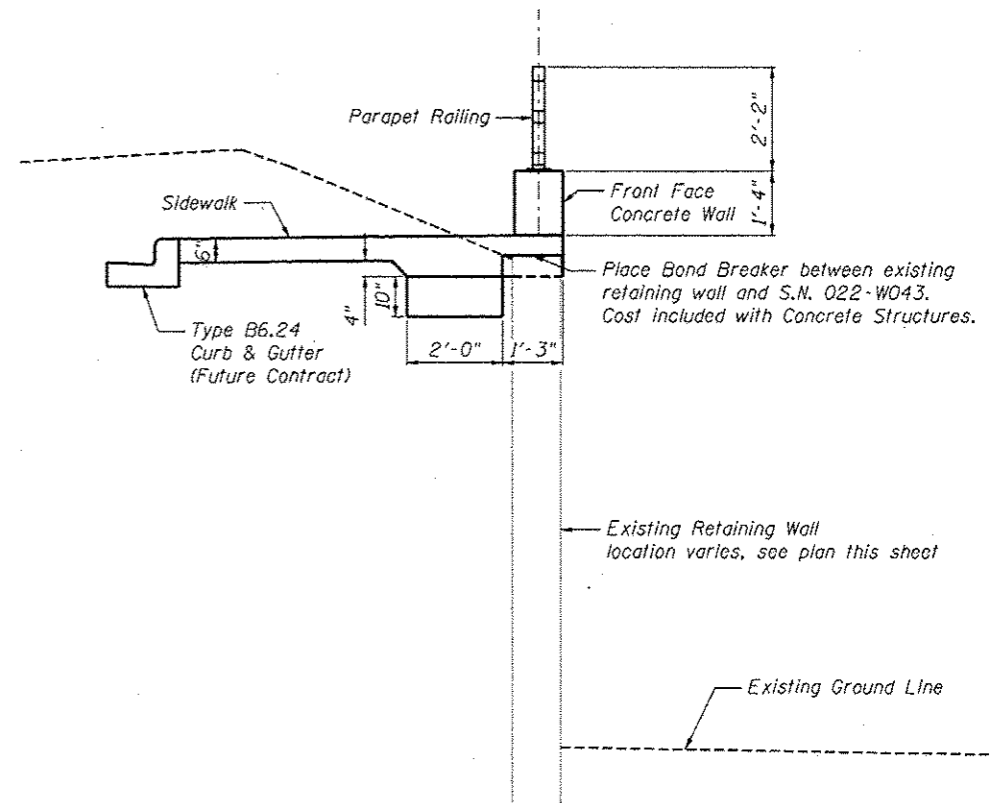
SHEET NO. SA-3 OF SA-6 SHEETS

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY	TOTAL SHEETS 234	SHEET NO. 34
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P42	



\*Expected conflict between top of existing retaining wall and proposed 10" sidewalk construction

**PROPOSED SIDEWALK FOUNDATION  
PLAN AT EXISTING WALL**



**PROPOSED SIDEWALK FOUNDATION  
SECTION AT EXISTING WALL**

**DETAILS OF WALL AT  
EXISTING RETAINING WALL  
SN 022-W043**



Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

USER NAME : SAW	DESIGNED - PMM	REVISED -
PLOT SCALE : 4.00' / IN.	CHECKED - DAZ	REVISED -
PLOT DATE : 5/4/2012	DRAWN - SAW	REVISED -
	CHECKED - PMM	REVISED -

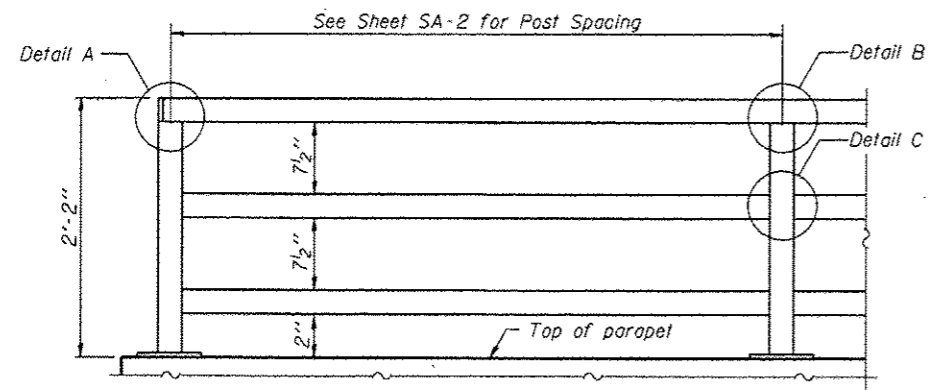
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS OF WALL AT EXISTING RETAINING WALL  
STA. 3913+83.48 TO STA. 3915+42.32 SN 022-W043**

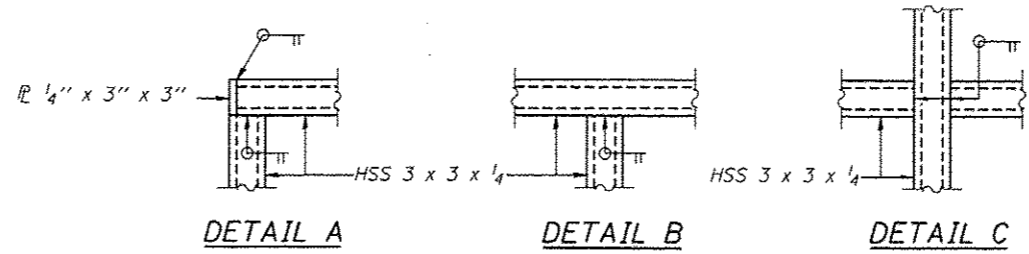
SHEET NO. SA-4 OF SA-6 SHEETS

F.A.P. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	35
CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				

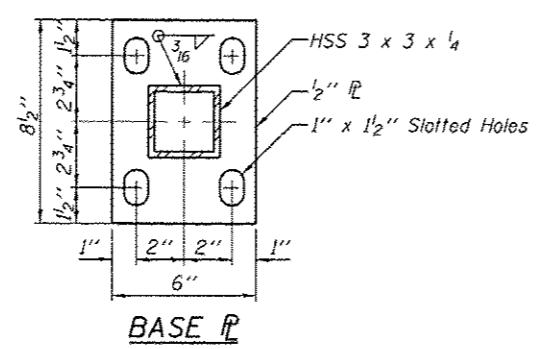
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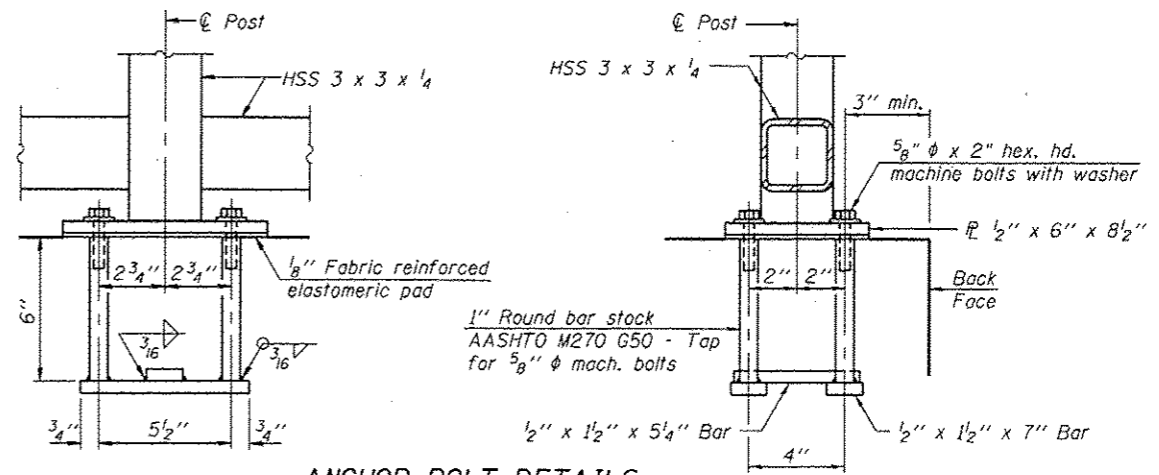
**PARAPET RAILING**  
**ELEVATION**  
(Inside Face of Three Element Rail)



All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

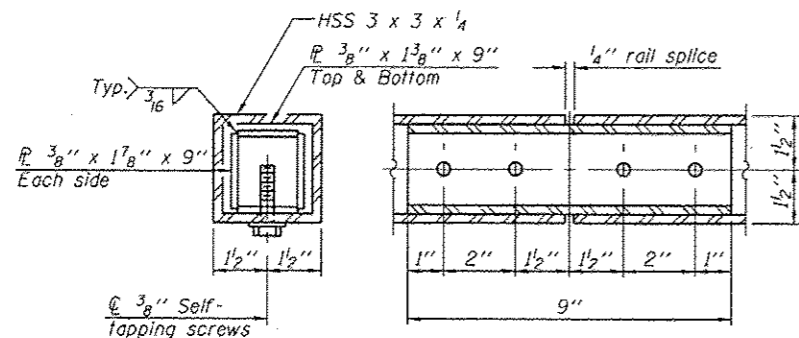


**BASE PLATE**



**ANCHOR BOLT DETAILS**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" phi anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



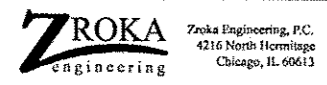
**RAIL SPLICE**

**BILL OF MATERIAL**

Item	Unit	Quantity
Parapet Railing	Foot	159

**PARAPET RAILING**  
**SN 022-W043**

FILE NAME = ...\\SP-12-1043-205-ParapetRailing.dwg



USER NAME = SAW	DESIGNED - LAS	REVISED -
PLOT SCALE = 0.17' / IN.	CHECKED - DAZ	REVISED -
PLOT DATE = 5/4/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PARAPET RAILING**  
**STA. 3913+83.48 TO STA. 3915+42.32 SN 022-W043**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	36
SHEET NO. SA-5 OF SA-6 SHEETS			CONTRACT NO. 60P42	
ILLINOIS FED. AID PROJECT				

BORING LOG RW-56

Geo Services, Inc.		SOIL BORING LOG		PAGE 1 of 1	
Geotechnical, Construction & Civil Engineering 805 Amesbury Street, Suite 204 Naperville, Illinois 60563 (630) 355-7838		DATE 5/18/2011		LOGGED BY MD	
ROUTE II, Route 59 (FAP 338)		DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road		GSI JOB No. 09173	
SECTION (112 & 113) WRS-5		LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N. RNG. 9E, Naperville Township			
COUNTY DuPage		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE CME Automatic	
STRUCT. NO. XX		Surface Water Elev. n/a		D E P T H S Qu T	
Station: XX		Stream Bed Elev. n/a		D E P T H S Qu T	
BORING NO. RW-56		Groundwater Elevation:		D E P T H S Qu T	
Station: 3913+74 II RTE-59		First Encounter 677.0		D E P T H S Qu T	
Offset: 71.0 Right		Upon Completion 685.0		D E P T H S Qu T	
Ground Surface Elev. 698.0		After Hrs.		D E P T H S Qu T	
SAND, GRAVEL, CLAY & STONE (FH)		CLAY to CLAY LOAM-gray-very stiff (A-6)		D E P T H S Qu T	
Silty CLAY-dark brown & black-hard (A-6) Possible Fill		SAND & GRAVEL-gray-medium dense (A-1)		D E P T H S Qu T	
CLAY LOAM-brown & gray-very stiff to hard (A-6)		SAND-gray-medium dense (A-3)		D E P T H S Qu T	
CLAY to CLAY LOAM-gray-very stiff (A-6)		Silty SAND & GRAVEL-gray-loose (A-2)		D E P T H S Qu T	
CLAY to CLAY LOAM-gray-very stiff (A-6)		CLAY LOAM-gray-medium dense (A-4)		D E P T H S Qu T	
End Of Boring @ -35.0' Hollow Stem Augers CME Automatic Hammer				D E P T H S Qu T	

The Unconfined Compressive Strength (UCS) values are indicated by (P) (Blow, 5'-Shear, P) (Penetrometer) (S) (Shelby Tube Sample) (T) (Tensile Shear Test) The SPT (N value) is the sum of the last ten blow values in each sampling zone (ASTM D 1586). The Unit Dry Weight (pcf) is noted in italics above each (S) or (T) Recovery.

BORING LOG RW-57

Geo Services, Inc.		SOIL BORING LOG		PAGE 1 of 1	
Geotechnical, Construction & Civil Engineering 805 Amesbury Street, Suite 204 Naperville, Illinois 60563 (630) 355-7838		DATE 5/18/2011		LOGGED BY MD	
ROUTE II, Route 59 (FAP 338)		DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road		GSI JOB No. 09173	
SECTION (112 & 113) WRS-5		LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N. RNG. 9E, Naperville Township			
COUNTY DuPage		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE CME Automatic	
STRUCT. NO. XX		Surface Water Elev. n/a		D E P T H S Qu T	
Station: XX		Stream Bed Elev. n/a		D E P T H S Qu T	
BORING NO. RW-57		Groundwater Elevation:		D E P T H S Qu T	
Station: 3915+00 II RTE-59		First Encounter 678.2		D E P T H S Qu T	
Offset: 88.0 Right		Upon Completion 686.2		D E P T H S Qu T	
Ground Surface Elev. 698.2		After Hrs.		D E P T H S Qu T	
SILT CLAY-dark brown & black (FH)		CLAY to CLAY LOAM (A-6)		D E P T H S Qu T	
CLAY to CLAY LOAM-brown & gray-stiff to hard (A-6)		SAND & GRAVEL-gray-medium dense (A-1-b)		D E P T H S Qu T	
CLAY to CLAY LOAM-gray-very stiff to hard (A-6)		CLAY-gray-medium stiff to stiff (A-6)		D E P T H S Qu T	
CLAY to CLAY LOAM-gray-very stiff to hard (A-6)		CLAY LOAM-gray-dense (A-4)		D E P T H S Qu T	
CLAY to CLAY LOAM-gray-very stiff to hard (A-6)		CLAY LOAM-gray-medium dense (A-4)		D E P T H S Qu T	
End Of Boring @ -35.0' Hollow Stem Augers CME Automatic Hammer				D E P T H S Qu T	

The Unconfined Compressive Strength (UCS) values are indicated by (P) (Blow, 5'-Shear, P) (Penetrometer) (S) (Shelby Tube Sample) (T) (Tensile Shear Test) The SPT (N value) is the sum of the last ten blow values in each sampling zone (ASTM D 1586). The Unit Dry Weight (pcf) is noted in italics above each (S) or (T) Recovery.

FILE NAME: ...66P42-W043-026-Bor-log.dgn



USER NAME = SAW	DESIGNED - PMM	REVISED -
PLOT SCALE = 2.00" / IN.	CHECKED - DAZ	REVISED -
PLOT DATE = 5/4/2012	DRAWN - SAW	REVISED -
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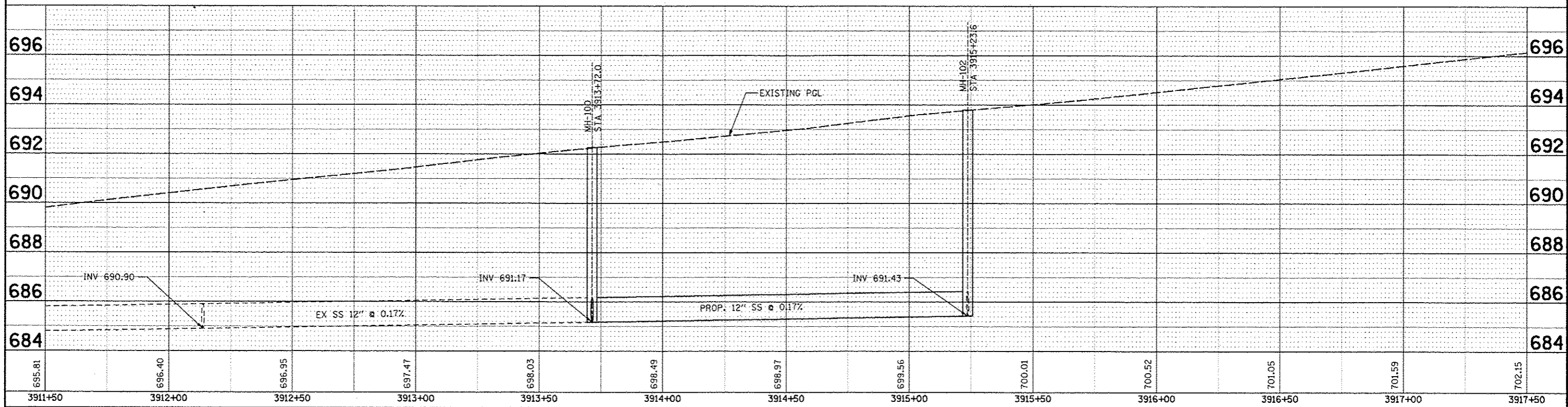
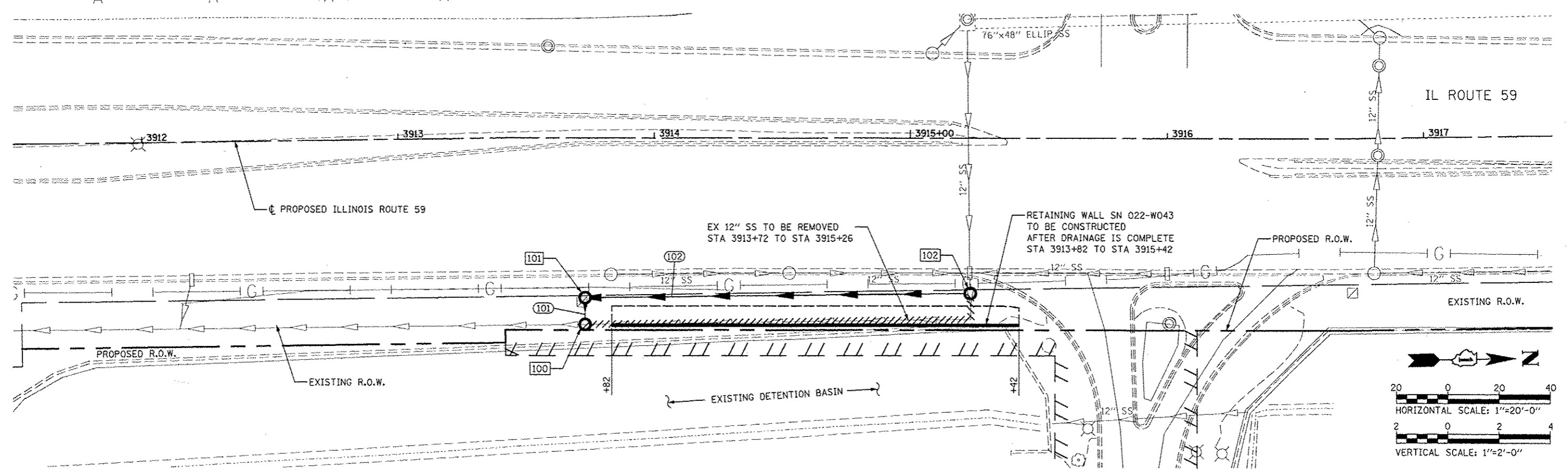
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS  
STA. 3913 + 83.48 TO STA. 3915 + 42.32 SN 022-W043  
SHEET NO. SA-6 OF SA-6 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	37
CONTRACT NO. 60P42				
[ILLINOIS] FED. AID PROJECT				

BORING LOGS  
SN 022-W043

**100** STA 3913+72.0, 72.8 RT  
 MANHOLE TYPE A 4' DIA.  
 TYPE 1 FRAME, CLOSED LID  
 RIM EL 698.20  
 INV EL 691.17 (W) 12"  
 INV EL 691.17 (S) 12"  
**101** STA 3913+72.0, 62.3 RT  
 MANHOLE TYPE A 4' DIA.  
 TYPE 1 FRAME, CLOSED LID  
 RIM EL 697.75  
 INV EL 691.18 (N) 12"  
 INV EL 691.18 (E) 12"  
**102** STA 3915+23.6, 60.6 RT  
 MANHOLE TYPE A 4' DIA.  
 TYPE 1 FRAME, CLOSED LID  
 RIM EL 699.20  
 INV EL 691.43 (W) 12"  
 INV EL 691.43 (S) 12"  
**101** 7' - 12" SS CL B TY 1 @ 0.17%  
**102** 147' - 12" SS CL B TY 1 @ 0.17%  
 STORM SEWER REMOVAL - 12"  
 STA 3913+72.0 TO 3915+26.0 - 166'



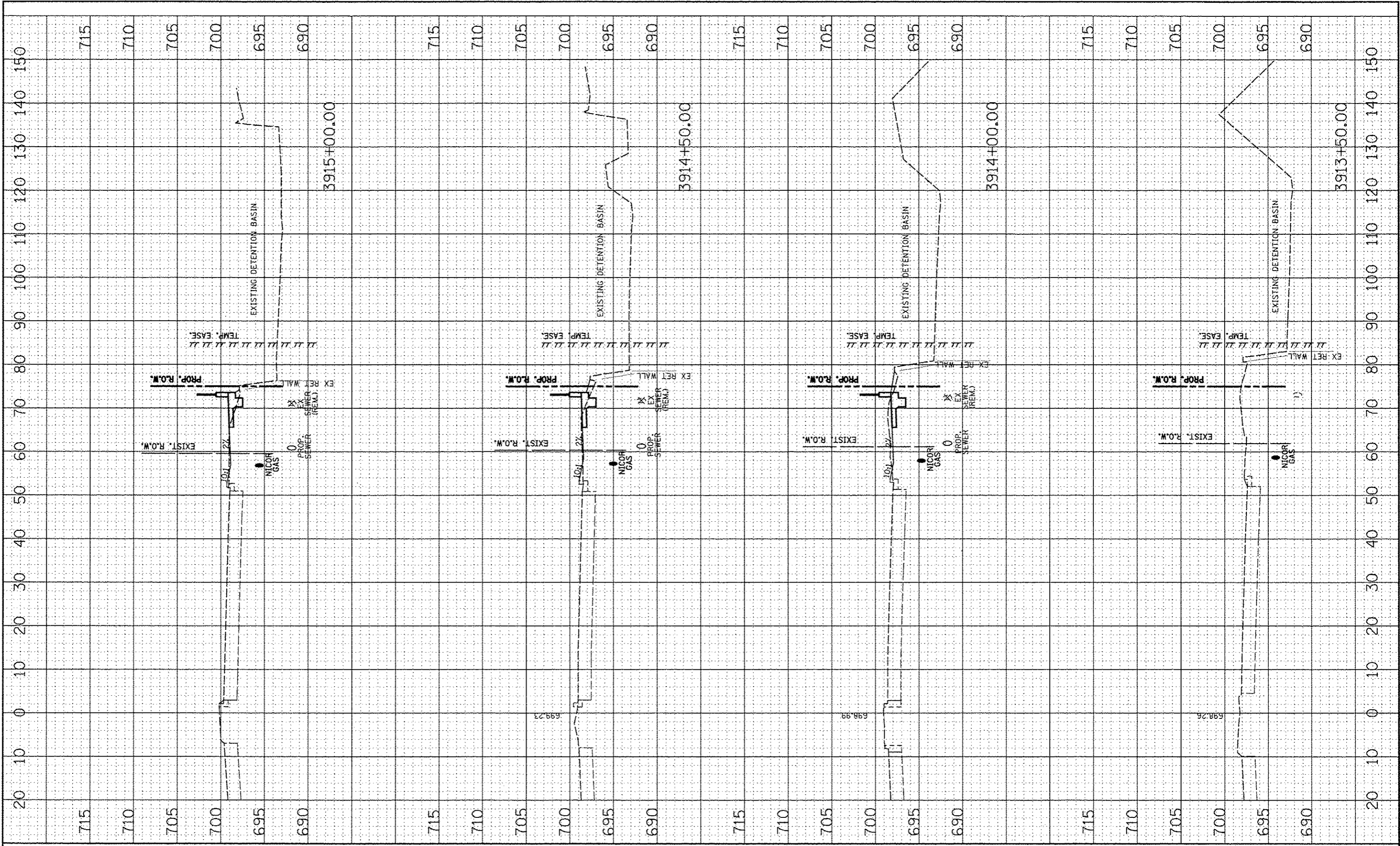
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BY	
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BY	
DESCRIPTION	
NO.	

DATE	
BY	
PROFILE	
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	
NO.	
DATE	
BY	
DESCRIPTION	
NO.	

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DRAINAGE PLAN / PROFILE - SN 022-W043		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE	#DATE#	DATE	REVISED					SCALE: AS SHOWN		SHEET NO. 1 OF 1 SHEETS		STA. 3911+50 TO STA. 3917+50	
												FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

FINAL SURVEY	DATE
SUBMITTED	BY
PLOTTED	
NOTE BOOK	
DATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SUBMITTED	BY
PLOTTED	
NOTE BOOK	
DATE	
AREAS CHECKED	
NO.	



FILE NAME	USER NAME < BLS/ET/ >
FILE #	

DESIGNED	NAV
DRAWN	KES
CHECKED	PJO
DATE	05-11-12

REVISIONS	
REVISIONS	
REVISIONS	
REVISIONS	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

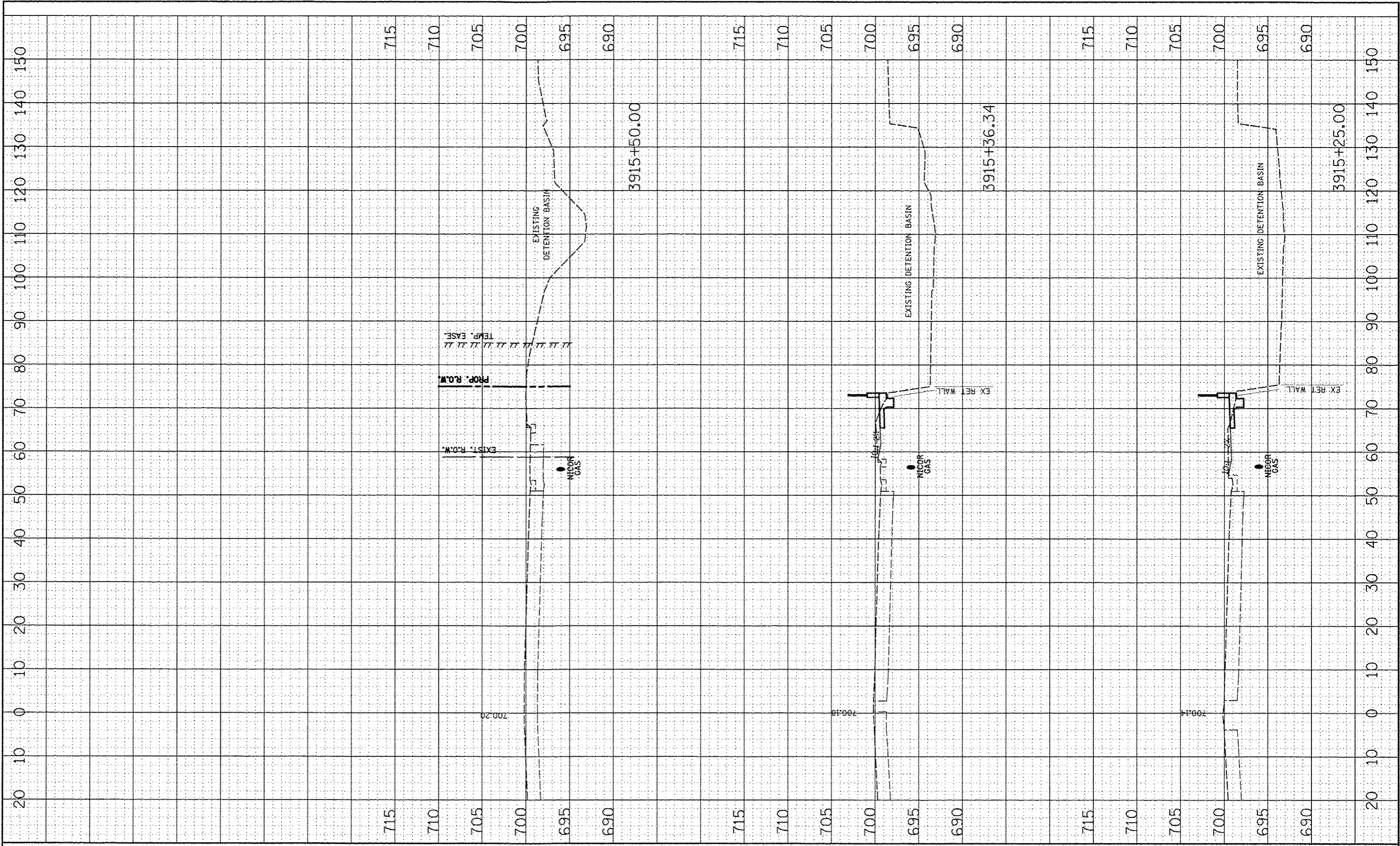
**SN 022-W043  
CROSS-SECTIONS**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	39
CONTRACT NO. 60P42				
FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



FILE NAME	USER NAME
#FILE#	#USER#
PLGT SCALE	#SCALE#
PLGT DATE	#DATE#

DESIGNED	- NAV
DRAWN	- KES
CHECKED	- PJO
DATE	- 05-11-12

REVISED	-
REVISED	-
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REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

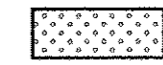
**SN 022-W043  
CROSS-SECTIONS**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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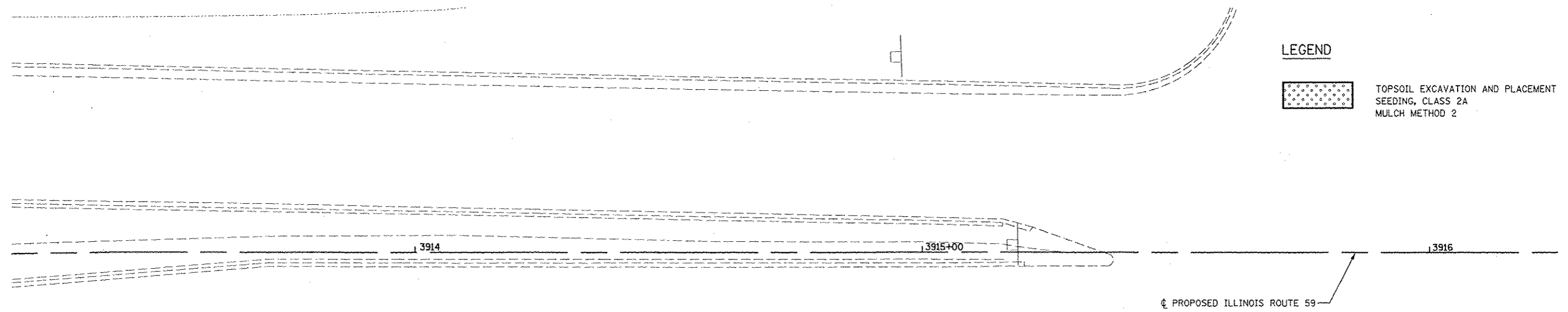
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



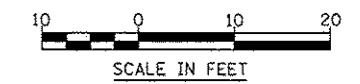
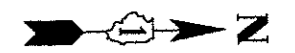
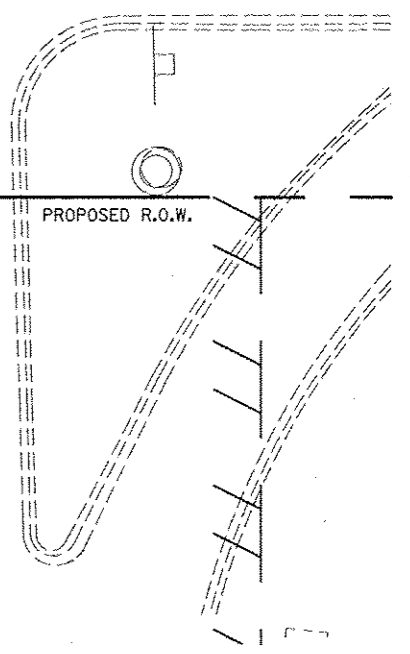
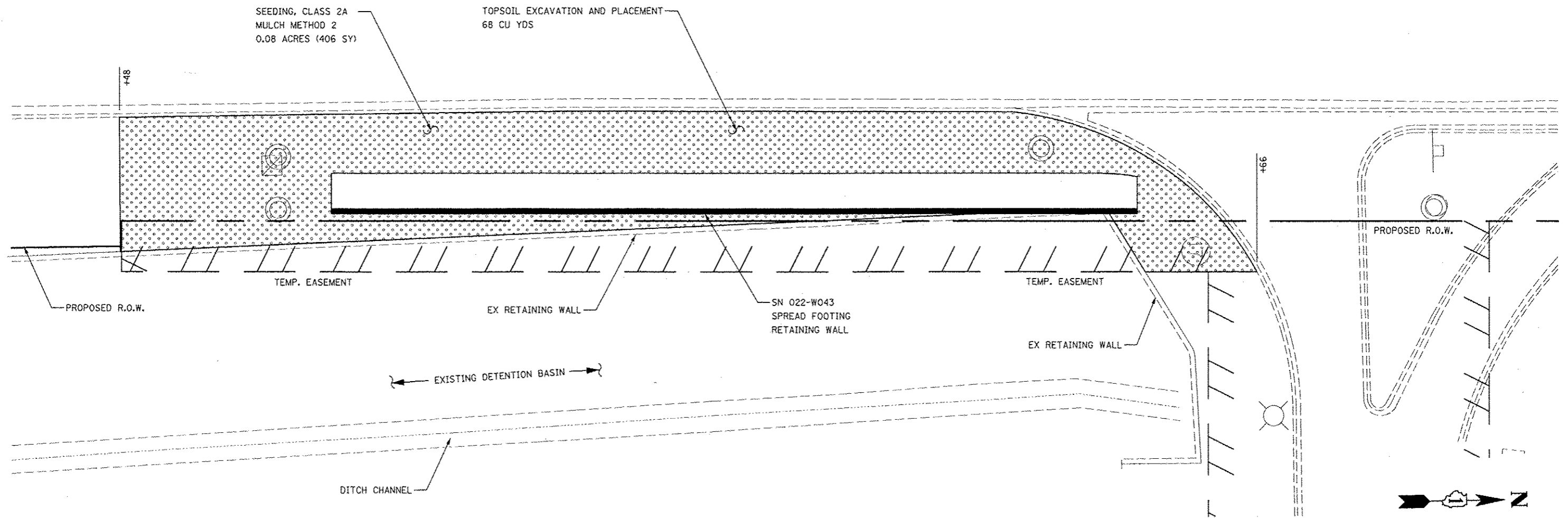
**LEGEND**



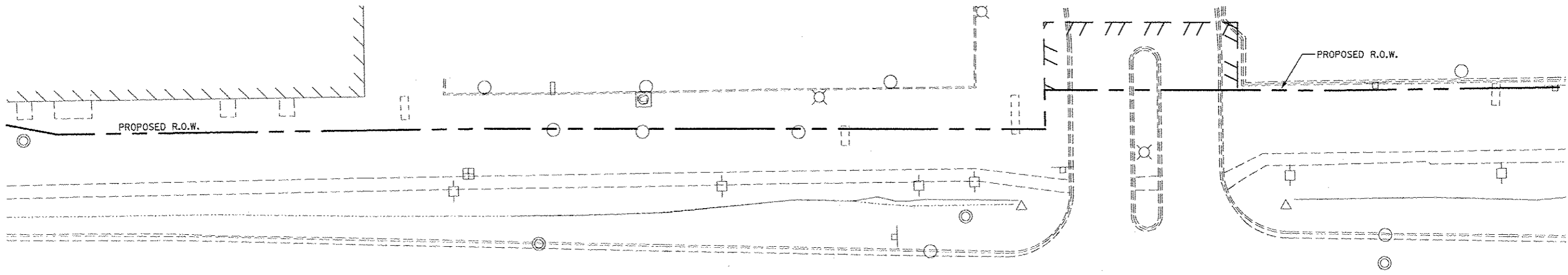
TOPSOIL EXCAVATION AND PLACEMENT  
SEEDING, CLASS 2A  
MULCH METHOD 2



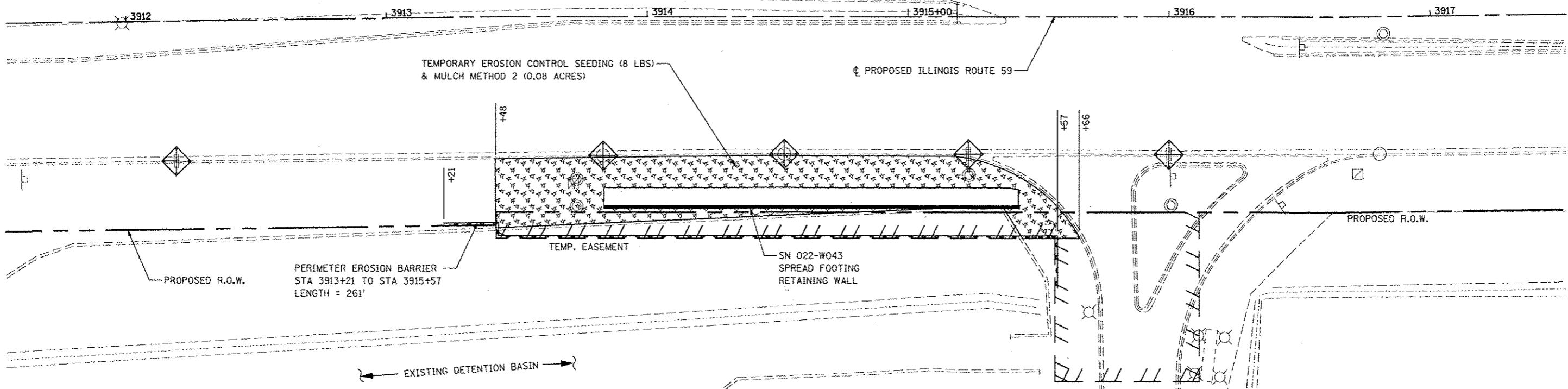
**ILLINOIS ROUTE 59**



FILE NAME : SCALE :	USER NAME : <i>ALUSCH</i>	DESIGNED <i>NAV</i>	REVISED <i>06-04-12</i>	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SN 022-W043 - RESTORATION PLAN</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : <i>AS SHOWN</i>	DRAWN <i>KES</i>	CHECKED <i>PJO</i>				REVISED	338	2011-036-1	BUPAGE	234
PLOT DATE : <i>05-11-12</i>	DATE				SCALE: AS SHOWN	SHEET NO. 1 OF 1 SHEETS	STA.				CONTRACT NO. 60P42
											ILLINOIS FED. AID PROJECT



ILLINOIS ROUTE 59

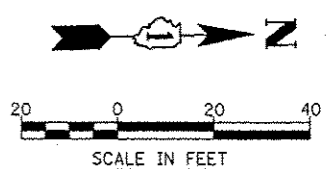


**LEGEND**

- TEMPORARY EROSION CONTROL SEEDING  
MULCH METHOD 2
- INLET FILTERS
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER

**NOTES**

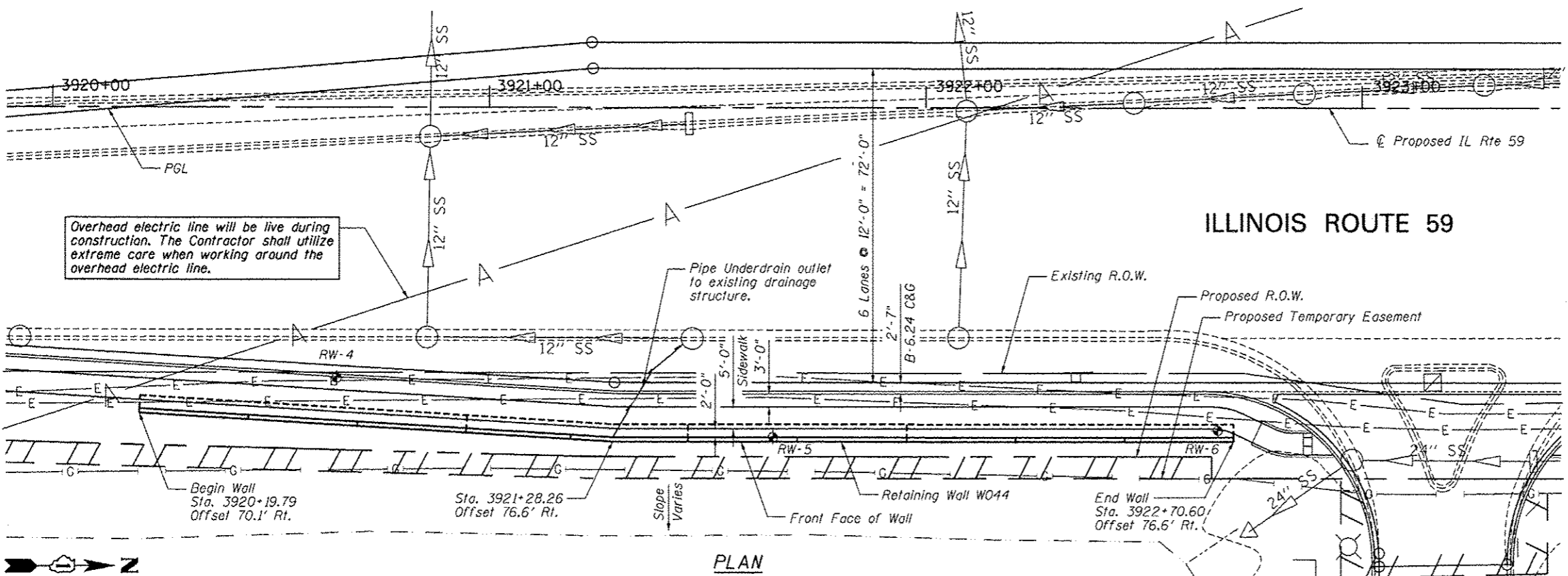
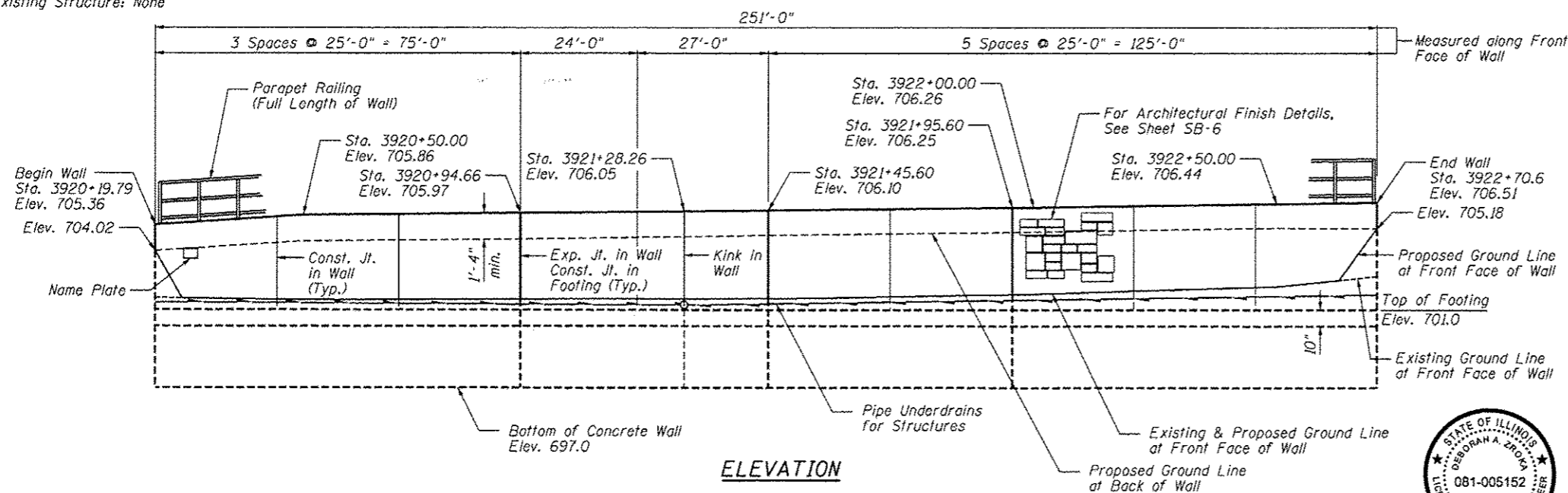
1. SEE SUGGESTED CONSTRUCTION SEQUENCING SHEET FOR CONSTRUCTION ACTIVITY INFORMATION.



FILE NAME : #FILCL\$	USER NAME : #UGER\$	DESIGNED NAV	REVISED 06-01-12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SN 022-W043 - EROSION CONTROL PLAN</b>		F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY	TOTAL SHEETS 234	SHEET NO. 42	
		DRAWN KES	REVISED		SCALE: AS SHOWN	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	DUPAGE	CONTRACT NO. 60P42		
		CHECKED PJO	REVISED		ILLINOIS FED. AID PROJECT							
		DATE 05-11-12	REVISED									

Bench Mark: Square "□" cut in east face of high tension tower base, west side of IL Rte 59, 150' south of entrance to Meijer Foods, Sta. 3923+70, 50.6' Left, Elev. 711.96

Existing Structure: None



**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Protective coat shall be applied to exposed surfaces of the back face and top of wall.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	291
Concrete Structures	Cu. Yd.	107.7
Protective Coat	Sq. Yd.	65
Reinforcement Bars, Epoxy Coated	Pound	8,690
Parapet Railing	Foot	251
Name Plates	Each	1
Geocomposite Wall Drain	Sq. Yd.	68
Pipe Underdrains for Structures, 4"	Foot	278
Form Liner Textured Surface	Sq. Ft.	573
Porous Granular Embankment, Special	Cu. Yd.	86



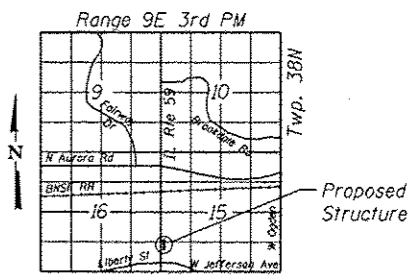
Signature: *Deborah A. Zroka* Date: Mar. 7, 2012  
 November 30, 2012 Expires

Sta. 3918+50 Elev. 703.27  
 +1.00%  
 V.P.C. Sta. 3919+25.00 Elev. 704.02  
 V.P.I. Sta. 3919+95.00 Elev. 704.71  
 V.P.T. Sta. 3920+65.00 Elev. 704.96  
 +0.35% Sta. 3923+00 Elev. 705.78

LVC = 140'  
**PROFILE GRADE**  
 (along edge of pavement proposed IL Route 59)

STATION 3920+19.79  
 BUILT 2011 BY  
 STATE OF ILLINOIS  
 F.A.P. RT. 338  
 SEC. 2011-036-1  
 STR. NO. 022-W044

**NAME PLATE**  
 See Sid. 515001



**LOCATION SKETCH**

**DESIGN SPECIFICATIONS**

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition

**DESIGN STRESSES**

**FIELD UNITS**  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)

**INDEX OF SHEETS**

- SB-1. General Plan & Elevation
- SB-2. Wall Plan & Elevation 1
- SB-3. Wall Plan and Elevation 2
- SB-4. Wall Section & Details
- SB-5. Parapet Railing
- SB-6. Architectural Finish Details
- SB-7. Boring Logs

Note: Offsets are measured from the  $\hat{C}$  Proposed IL Rte. 59 to the front face of the wall.  
 Roadway work will be in future Contract 60R30.  
 Buried utilities that cross SN 022-W044 will be relocated by others.

**GENERAL PLAN AND ELEVATION**  
**IL RTE 59 FAP RTE 338**  
**SECTION 2011-036-1**  
**DUPAGE COUNTY**  
**STA. 3920+19.79 TO STA. 3922+70.60**  
**SN 022-W044**



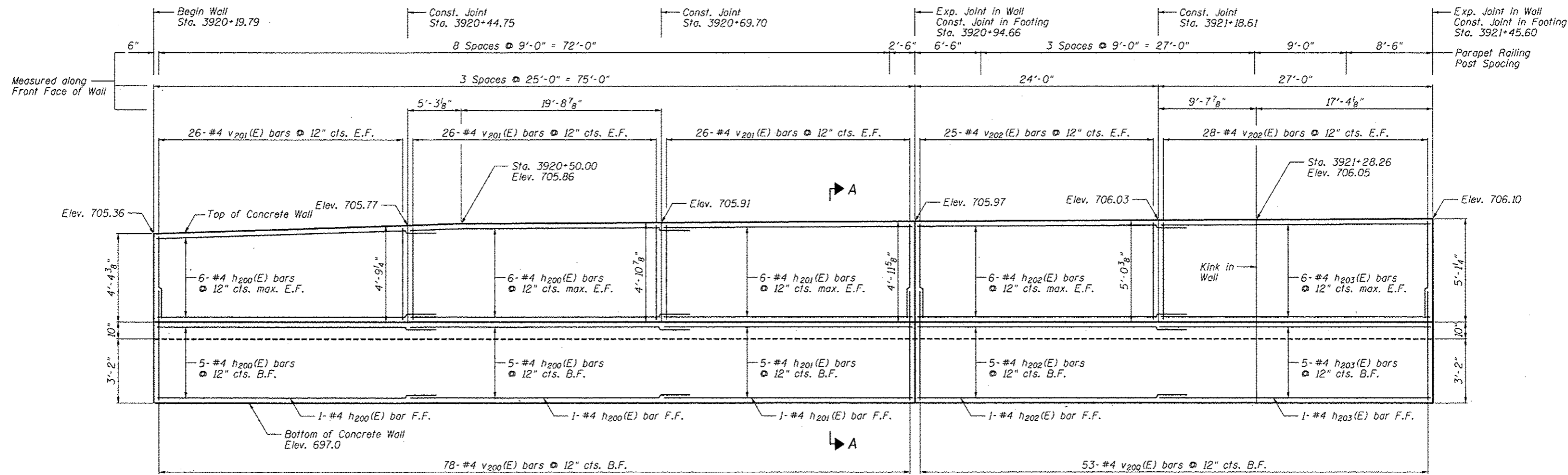
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SAW	LAS	DAZ	SAW	5/4/2012
	REVISIED	REVISIED	REVISIED	
	REVISIED	REVISIED	REVISIED	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

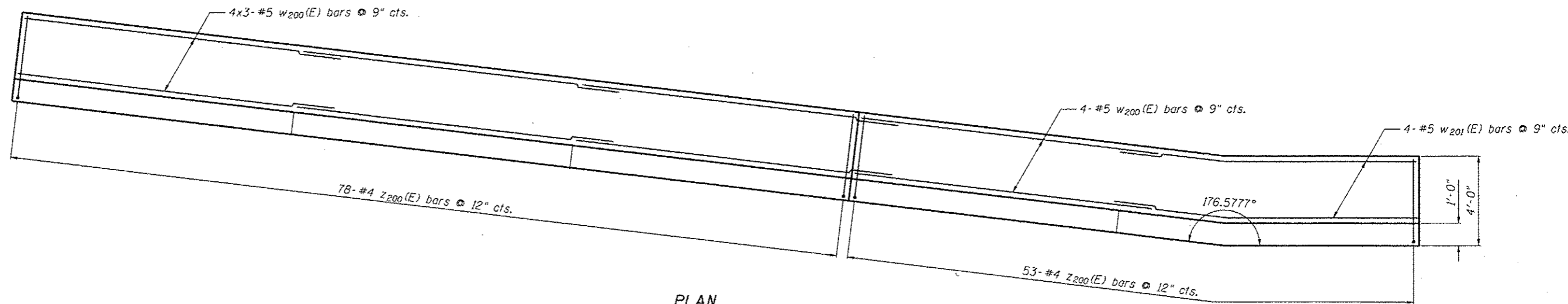
**GENERAL PLAN & ELEVATION**  
**STA. 3920+19.79 TO STA. 3922+70.60 SN 022-W044**  
 SHEET NO. SB-1 OF SB-7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	43

CONTRACT NO. 60P42  
 ILLINOIS FED. AID PROJECT



ELEVATION



PLAN

Notes:

Minimum lap for #4 bar is 2'-11", #5 bar is 3'-8".

Bars indicated thus: 4x3#5 etc. indicates 4 lines of bars with 3 lengths per line.

See Sheet SB-4 for Section A-A, Details and Bill of Material.

WALL PLAN AND ELEVATION 1  
SN 022-W044



USER NAME : SAW	DESIGNED - LAS	REVISED -
PLOT SCALE : 10.0000' / IN.	CHECKED - DAZ	REVISED -
PLOT DATE : 5/4/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	REVISED -

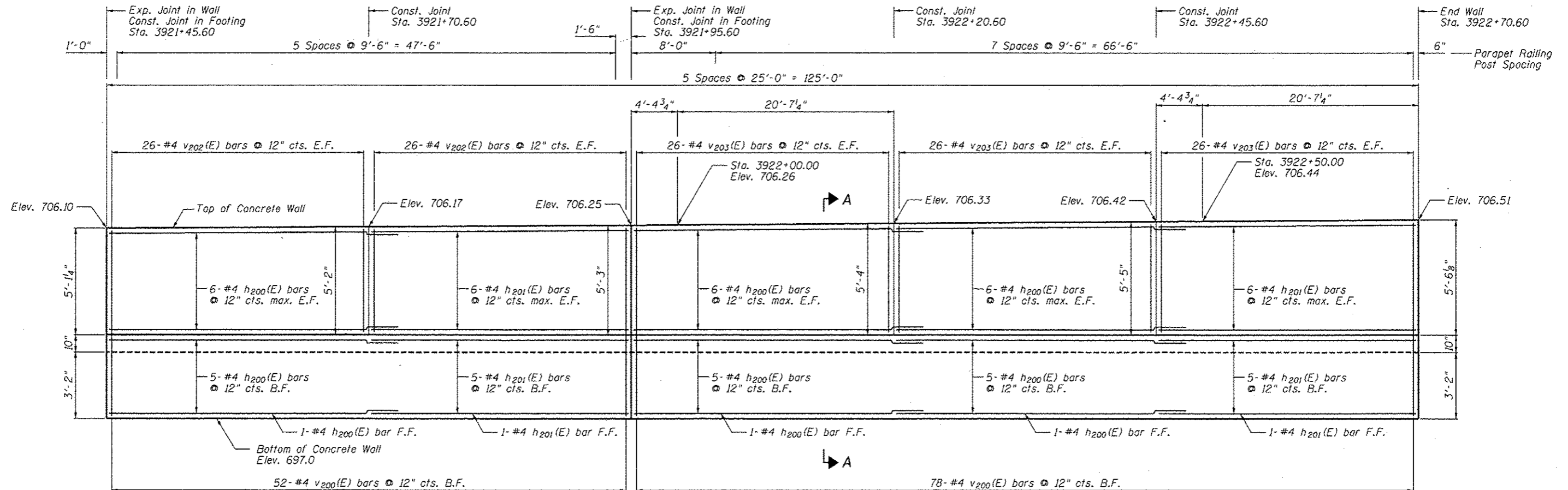
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

WALL PLAN & ELEVATION 1  
STA. 3920+19.79 TO STA. 3922+70.60 SN 022-W044

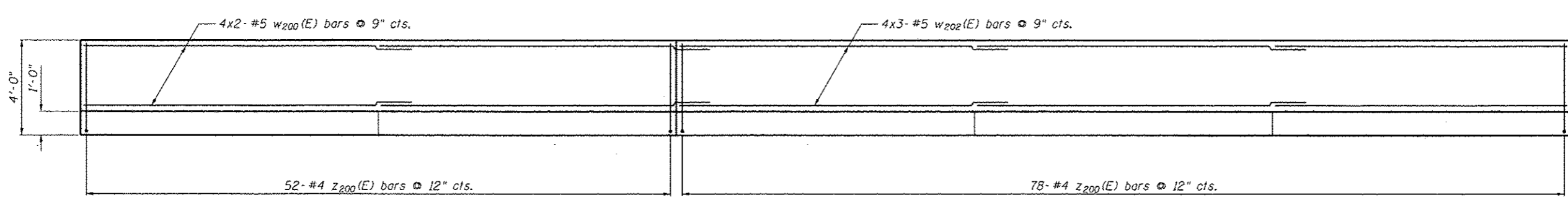
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CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				

SHEET NO. SB-2 OF SB-7 SHEETS

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ELEVATION

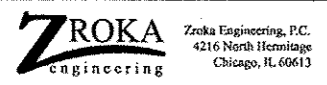


PLAN

Notes:  
 Minimum lap for #4 bar is 2'-11". #5 bar is 3'-8".  
 Bars indicated thus: 4x3#5 etc. indicates 4 lines of bars with 3 lengths per line.  
 See Sheet SB-4 for Section A-A, Details and Bill of Material.

WALL PLAN AND ELEVATION 2  
 SN 022-W044

FILE NAME: ...SBP-2-W044-022-W044-Plan-Elev.dwg

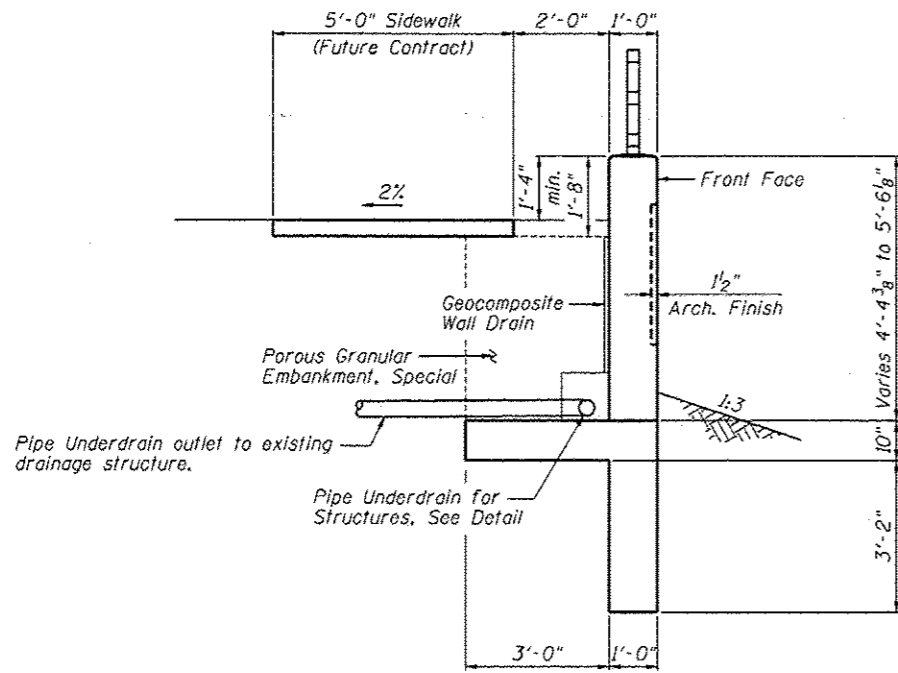


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PLOT DATE = 5/4/2012	DRAWN - SAW	REVISIONS
	CHECKED - LAS	REVISIONS

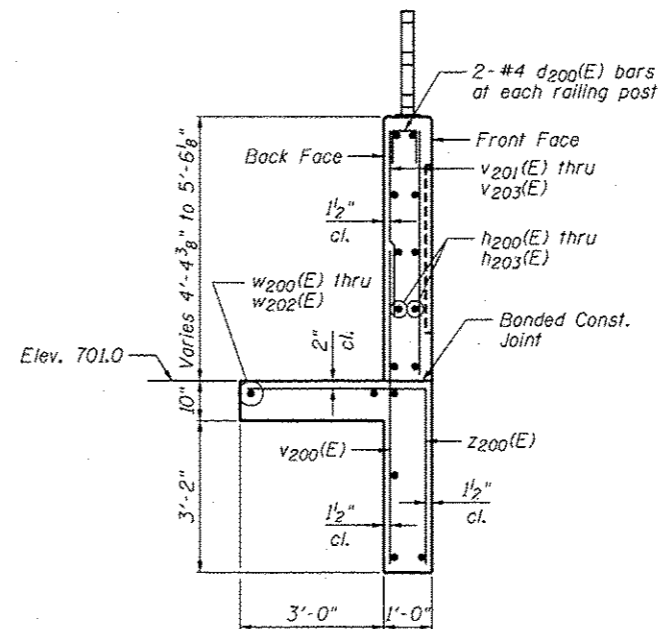
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

WALL PLAN & ELEVATION 2  
 STA. 3920+19.79 TO STA. 3922+70.60 SN 022-W044  
 SHEET NO. SB-3 OF SB-7 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				



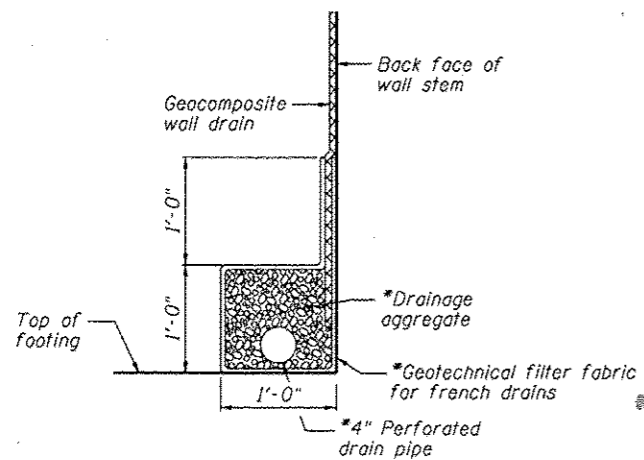
**TYPICAL SECTION**  
Sta. 3920+19.79 to Sta. 3922+70.60



**SECTION A-A**  
Maximum Soil Bearing Pressure = 1,890 psf

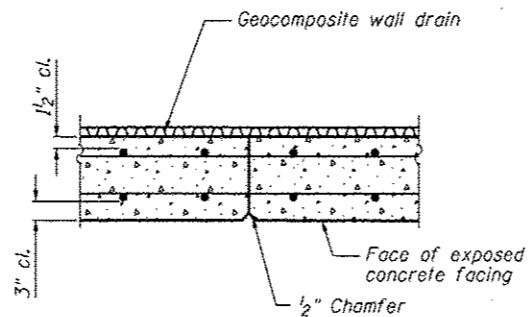
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d200(E)	56	#4	2'-1"	□
h200(E)	90	#4	27'-11"	—
h201(E)	54	#4	24'-8"	—
h202(E)	18	#4	26'-11"	—
h203(E)	18	#4	26'-8"	—
v200(E)	261	#4	7'-6"	—
v201(E)	156	#4	4'-5"	—
v202(E)	210	#4	4'-8"	—
v203(E)	156	#4	4'-11"	—
w200(E)	24	#5	28'-8"	—
w201(E)	4	#5	29'-6"	—
w202(E)	12	#5	27'-4"	—
z200(E)	261	#4	7'-4"	└
Item		Unit	Quantity	
Concrete Structures		Cu. Yd.	107.7	
Reinforcement Bars, Epoxy Coated		Pound	8,690	
Pipe Underdrains for Structures, 4"		Foot	278	
Geocomposite Wall Drain		Sq. Yd.	68	
Porous Granular Embankment, Special		Cu. Yd.	86	

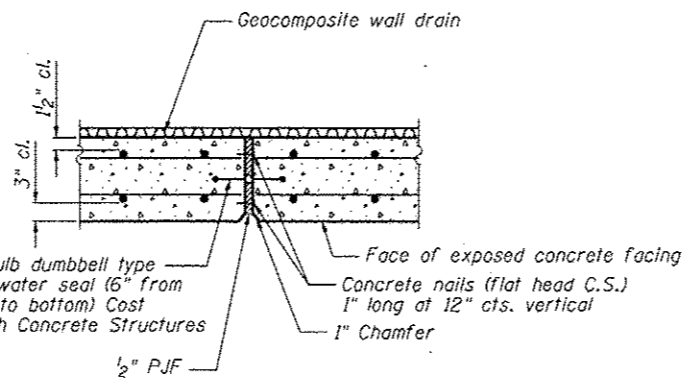


**PIPE UNDERDRAIN DETAIL**

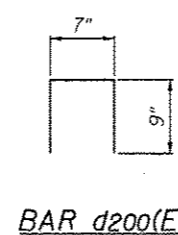
\*Included in the cost of "Pipe Underdrains for Structures"



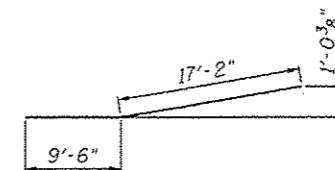
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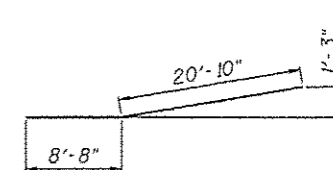
**EXPANSION JOINT DETAIL**



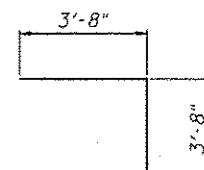
**BAR d200(E)**



**BAR h203(E)**



**BAR w201(E)**



**BAR z200(E)**

**WALL SECTION & DETAILS**  
SN 022-W044



Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

USER NAME - SAW  
DESIGNED - LAS  
CHECKED - DAZ  
DRAWN - SAW  
CHECKED - LAS  
PLOT SCALE - 4/88" / IN.  
PLOT DATE - 5/4/2012

DESIGNED - LAS  
CHECKED - DAZ  
DRAWN - SAW  
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REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

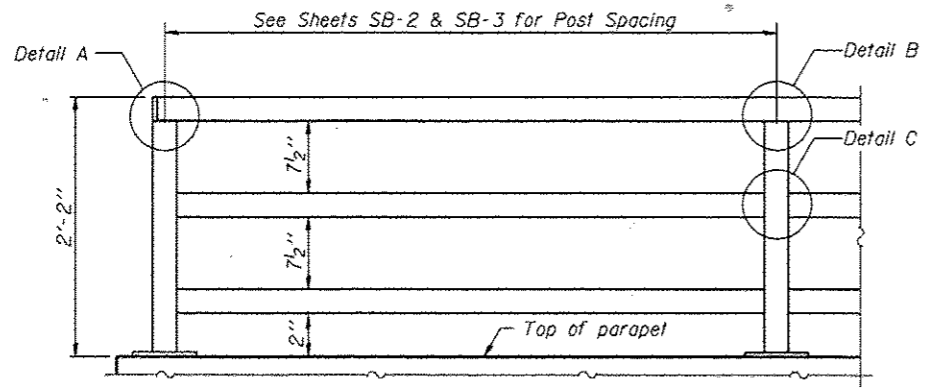
WALL SECTION & DETAILS  
STA. 3920+19.79 TO STA. 3922+70.60 SN 022-W044

SHEET NO. SB-4 OF SB-7 SHEETS

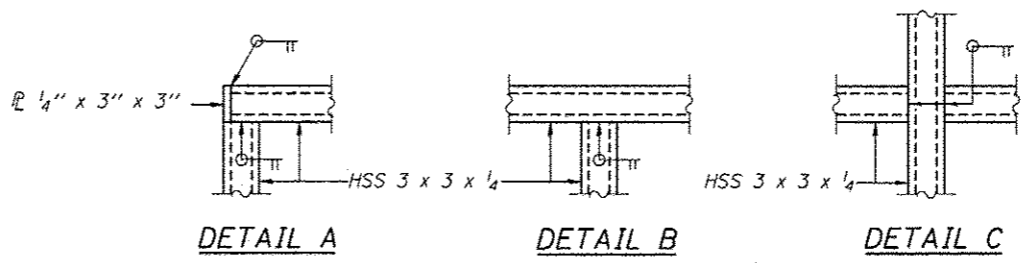
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	46
CONTRACT NO. 60P42				

ILLINOIS FED. AID PROJECT

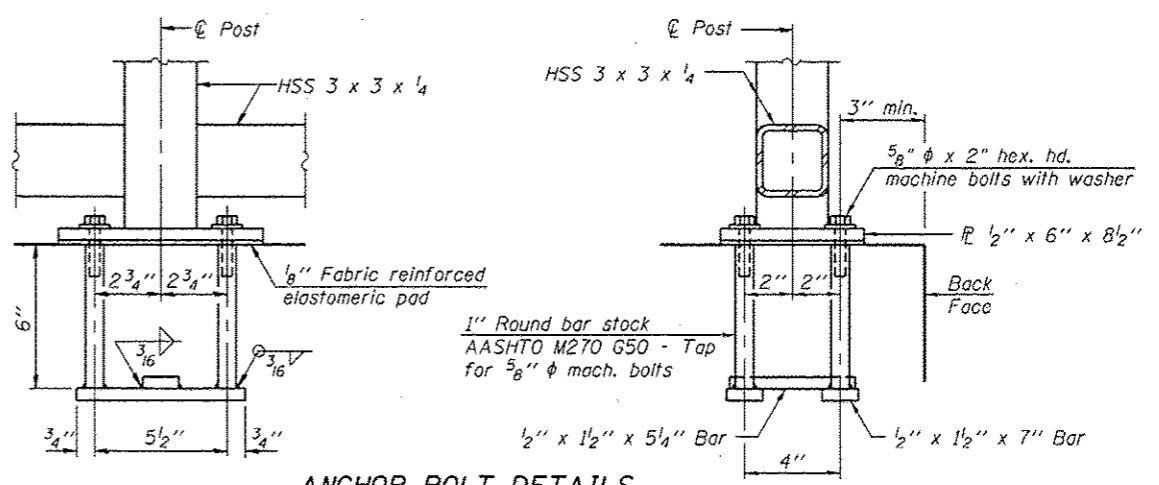
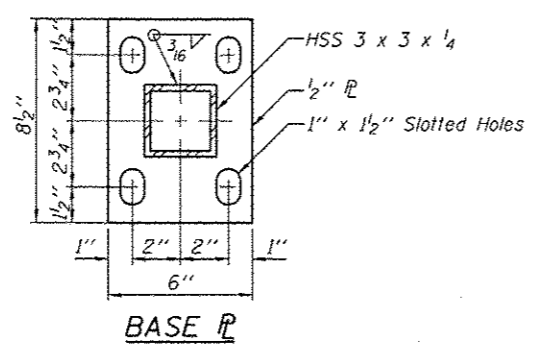
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**PARAPET RAILING  
ELEVATION**  
(Inside Face of Three Element Rail)

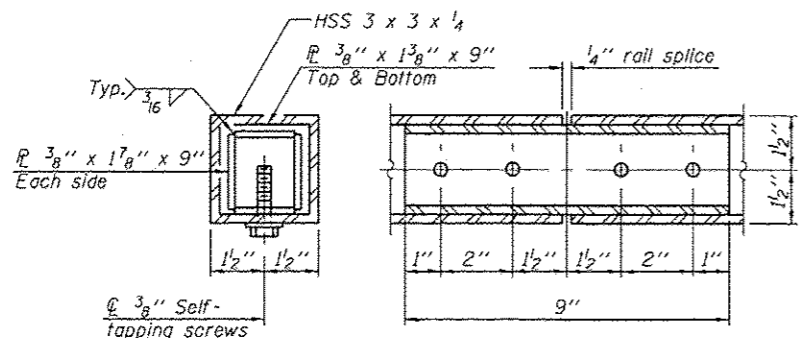


All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



**ANCHOR BOLT DETAILS**

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



**RAIL SPLICE**

**BILL OF MATERIAL**

Item	Unit	Quantity
Parapet Railing	Foot	251

**PARAPET RAILING  
SN 022-W044**

FILE NAME: ... \SFP-2-0244-285-Parapet Railing.dgn

**ZROKA** engineering  
Zroka Engineering, P.C.  
4216 North Hennipago  
Chicago, IL 60613

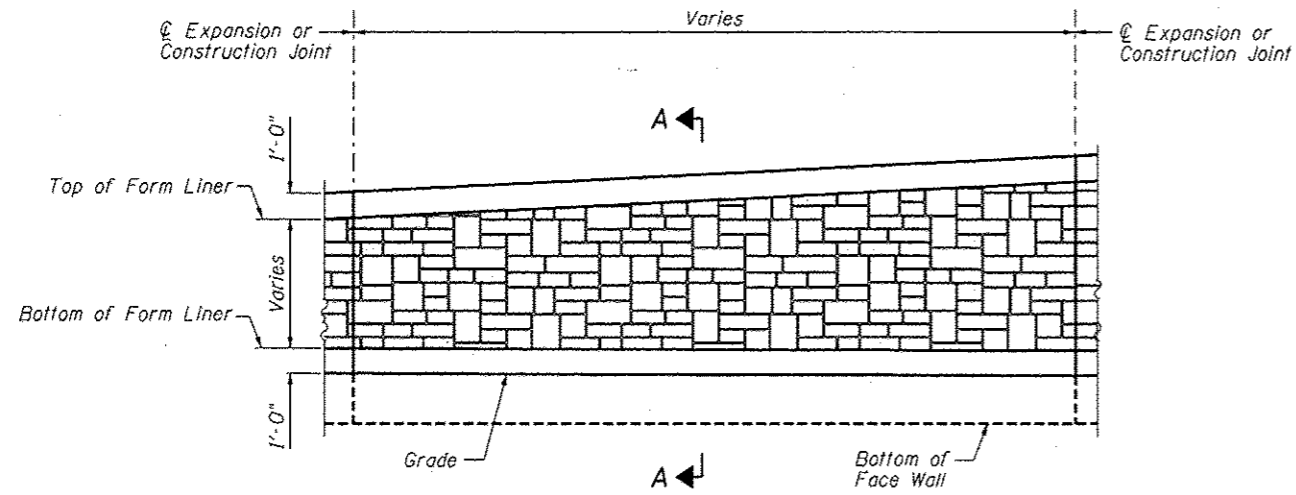
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	CHECKED - LAS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

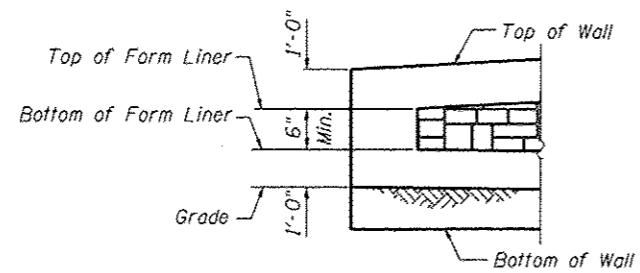
**PARAPET RAILING**  
STA. 3920 + 19.79 TO STA. 3922 + 70.60 SN 022-W044

SHEET NO. SB-5 OF SB-7 SHEETS

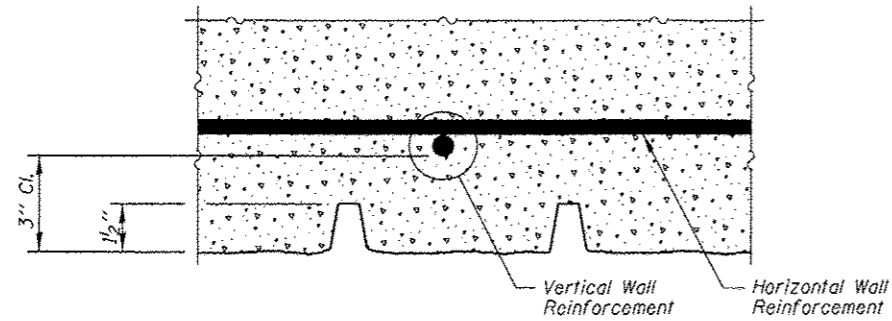
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338	2011-036-1		234	47
CONTRACT NO. 60P42			ILLINOIS FED. AID PROJECT	



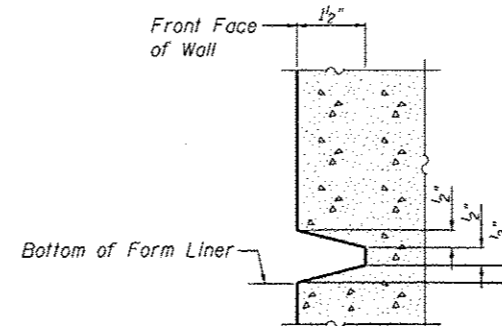
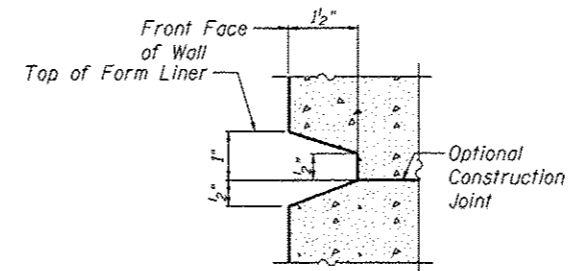
**ELEVATION - FORM LINER**



**END FORM LINER FINISH**



**PLAN - FORM LINER**



**SECTION A-A**

**FORM LINER ELEVATION TABLE**

Station	Form Liner Top Elevation	Form Liner Bottom Elevation
3920+19.79	None	None
3920+22.33	704.40	703.90
3920+25.30	704.45	702.59
3920+44.75	704.77	702.53
3920+50.00	704.86	702.53
3920+69.70	704.91	702.53
3920+94.66	704.97	702.55
3921+18.61	705.03	702.57
3921+28.26	705.05	702.57
3921+45.60	705.10	702.58
3921+70.60	705.17	702.67
3921+95.60	705.25	702.79
3922+00.00	705.26	702.82
3922+20.60	705.33	702.97
3922+45.60	705.42	703.09
3922+62.78	705.48	703.53
3922+67.12	705.50	705.00
3922+70.60	None	None

**ARCHITECTURAL FINISH DETAILS  
SN 022-W044**



Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

USER NAME - SAW	DESIGNED - LAS	REVISED -
PLLOT SCALE = 0.1667' / IN.	CHECKED - DAZ	REVISED -
PLLOT DATE = 5/4/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARCHITECTURAL FINISH DETAILS  
STA. 3920 + 19.79 TO STA. 3922 + 70.60 SN 022-W044**

SHEET NO. SB-6 OF SB-7 SHEETS

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 48
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P42	

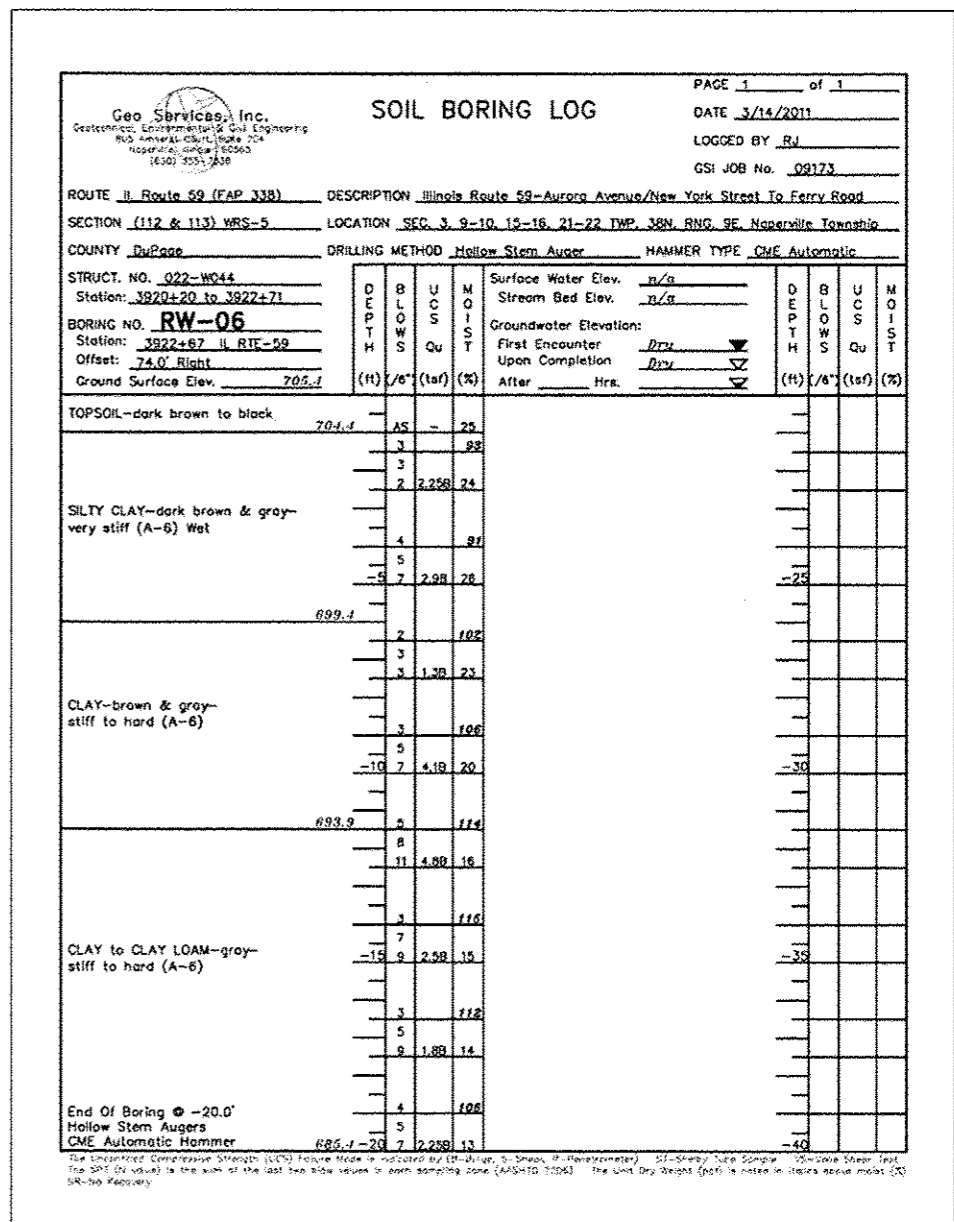
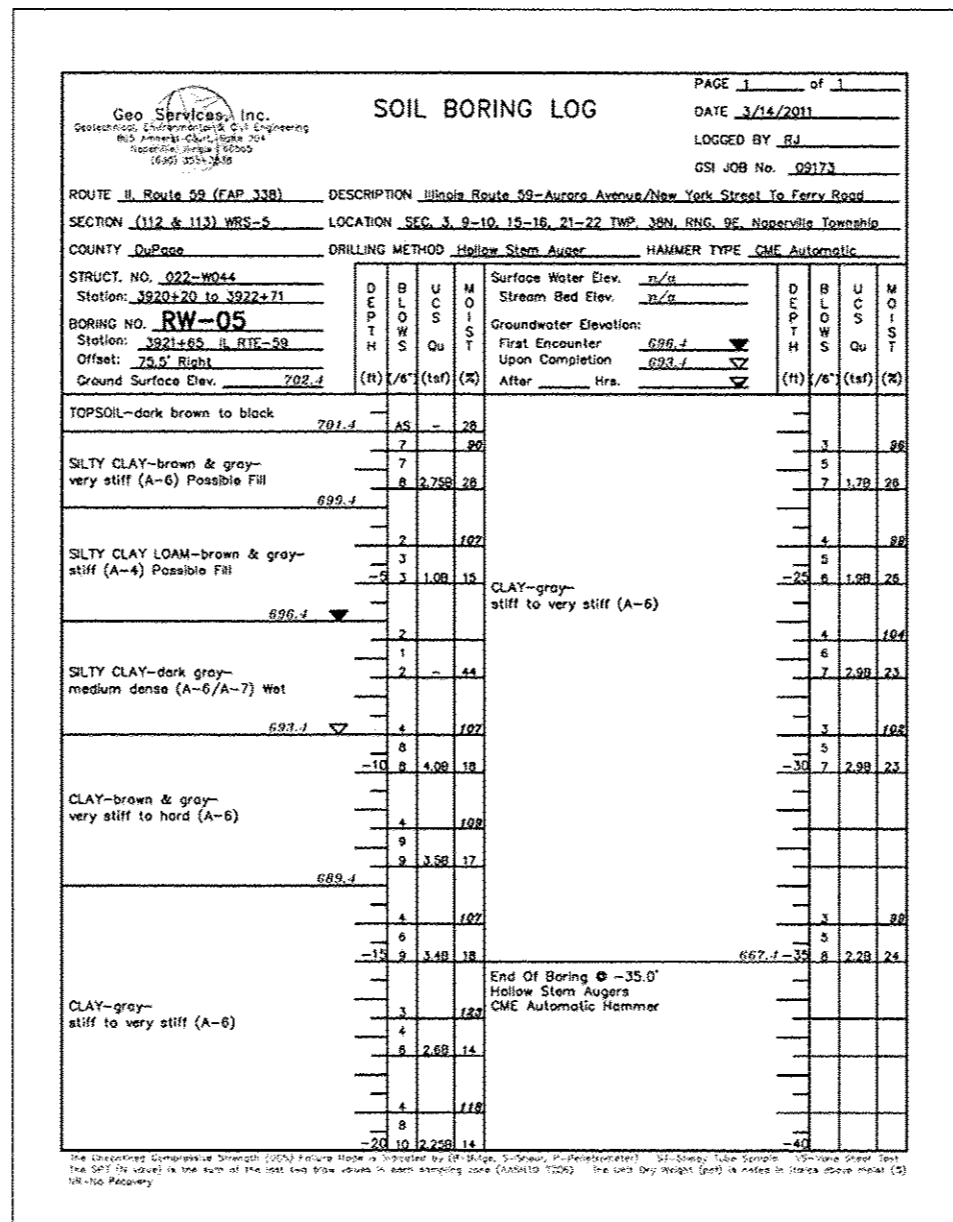
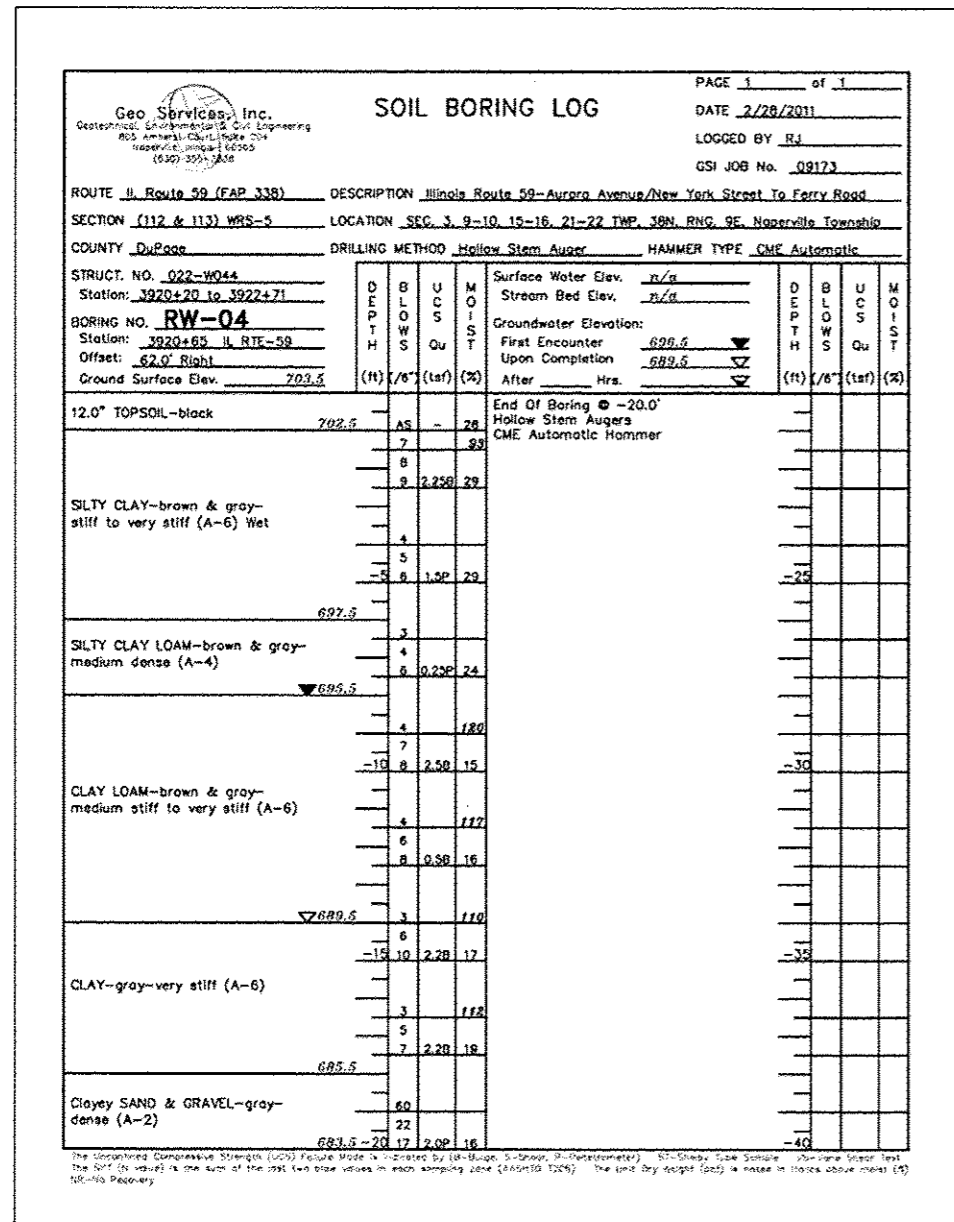
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BORING LOG RW-04

BORING LOG RW-05

BORING LOG RW-06



FILE NAME: ...\\BPP\12\2011\2011-03-17-Borrings\_Logs.dwg

**ZROKA engineering**  
Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

USER NAME - SAW	DESIGNED - LAS	REVISIED -
PLOT SCALE - 2.00" / IN	CHECKED - DAZ	REVISIED -
PLOT DATE - 5/4/2012	DRAWN - SAW	REVISIED -
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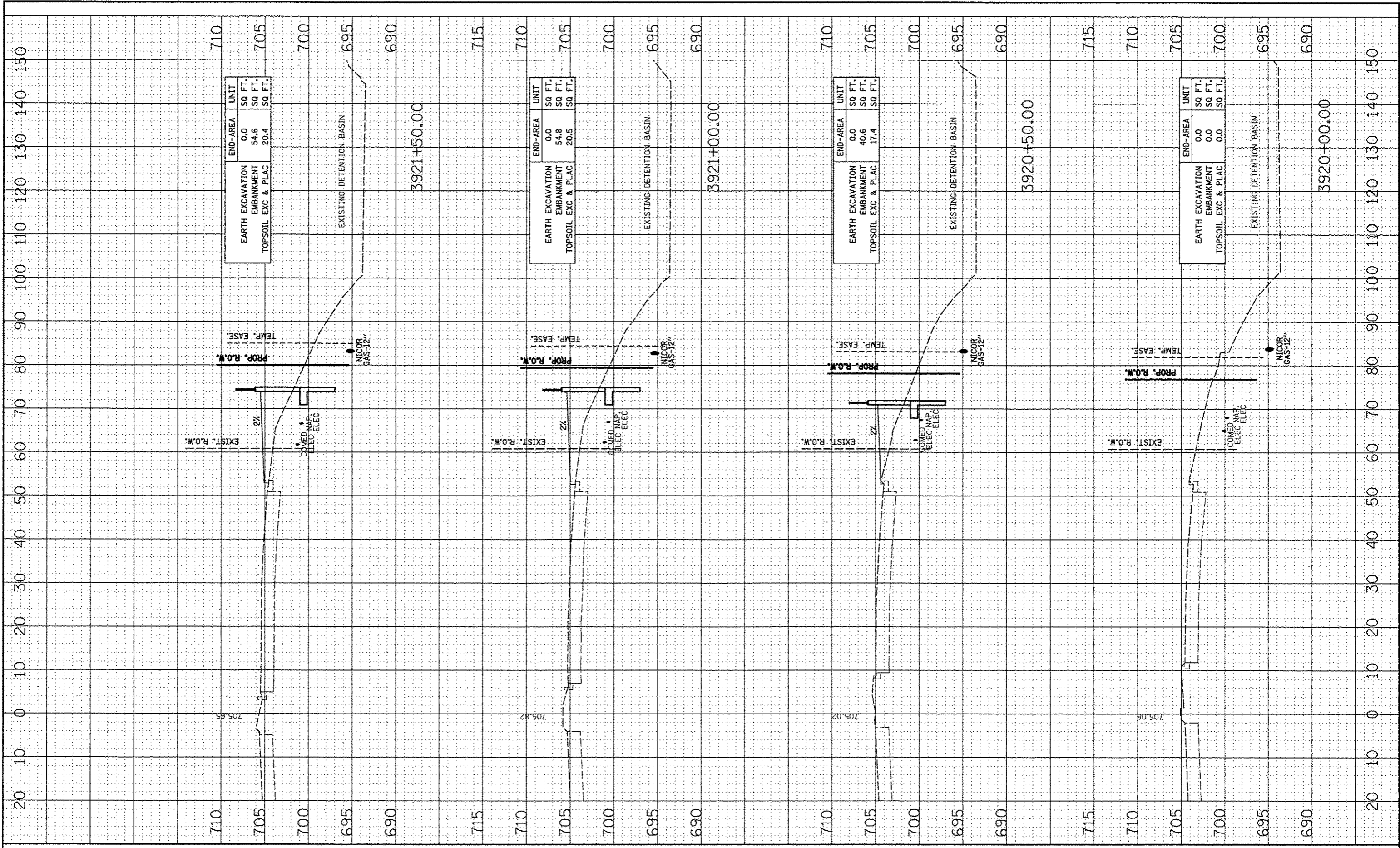
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS**  
**STA. 3920 + 19.79 TO STA. 3922 + 70.60 SN 022-W044**

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 49
<b>CONTRACT NO. 60P42</b>				
ILLINOIS FED. AID PROJECT				

FINAL	DATE
SURVEY	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL	DATE
SURVEY	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



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DESIGNED - NAV	REVISD -
DRAWN - KES	REVISD -
CHECKED - PJJ	REVISD -
DATE 05-11-12	REVISD -

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PLGT DATE = *DATE*	REVISD -

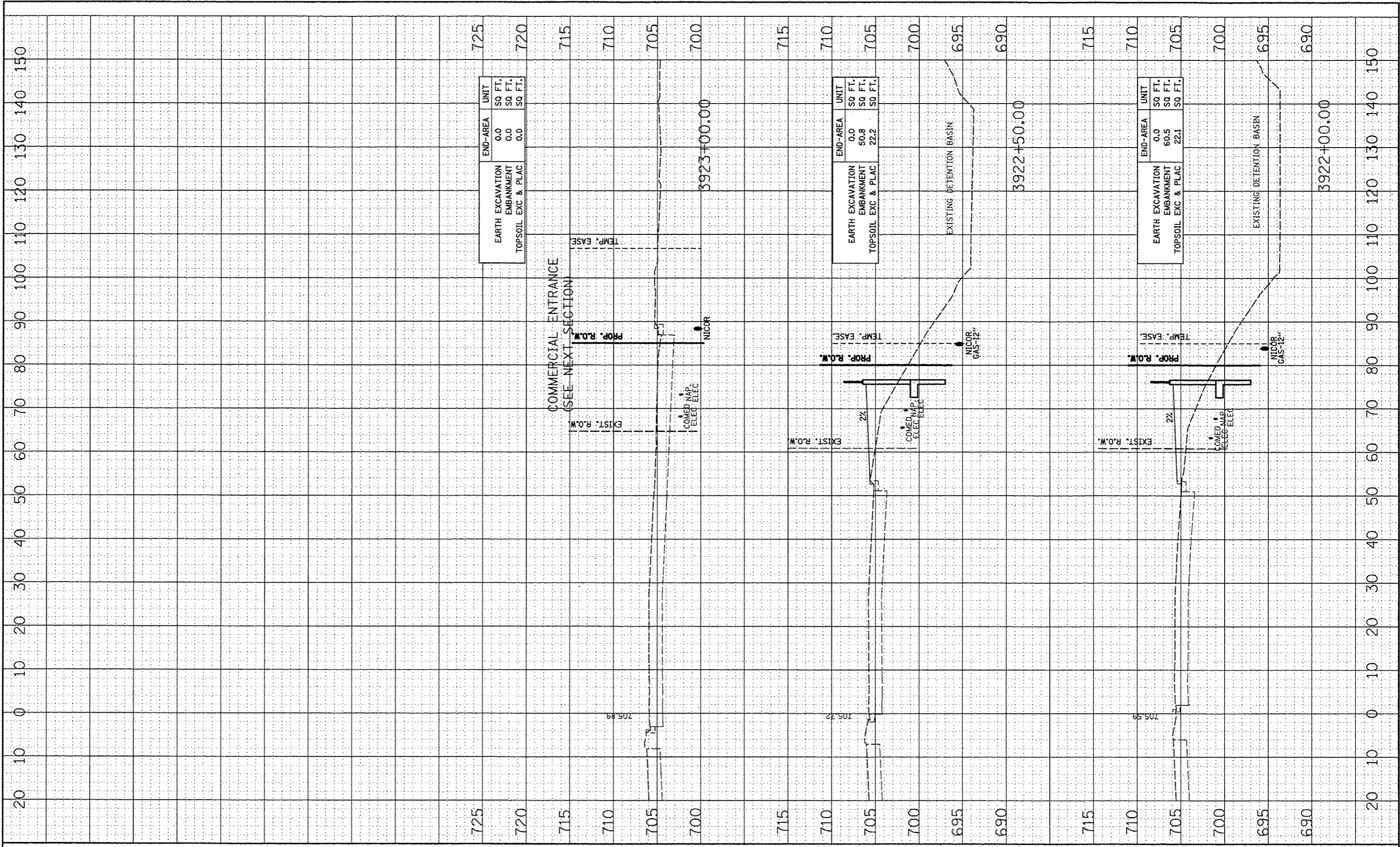
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SN 022-W044			
DEPARTMENT OF TRANSPORTATION			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	50
CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
PLANNED SURVEY		
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
PLANNED SURVEY		
NOTE BOOK		
AREAS CHECKED		



END-AREA	UNIT
EARTH EXCAVATION	SQ FT.
EMBANKMENT	SQ FT.
TOPSOIL EXC & PLAC	SQ FT.
0.0	
0.0	
0.0	

END-AREA	UNIT
EARTH EXCAVATION	SQ FT.
EMBANKMENT	SQ FT.
TOPSOIL EXC & PLAC	SQ FT.
0.0	
50.8	
22.2	

END-AREA	UNIT
EARTH EXCAVATION	SQ FT.
EMBANKMENT	SQ FT.
TOPSOIL EXC & PLAC	SQ FT.
0.0	
60.5	
22.1	

FILE NAME	USER NAME
411111	411111

DESIGNED	NAV
DRAWN	KES
CHECKED	PJO
DATE	05-11-12

REVISED	
REVISED	
REVISED	
REVISED	

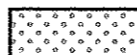
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SN 022-W044  
CROSS-SECTIONS

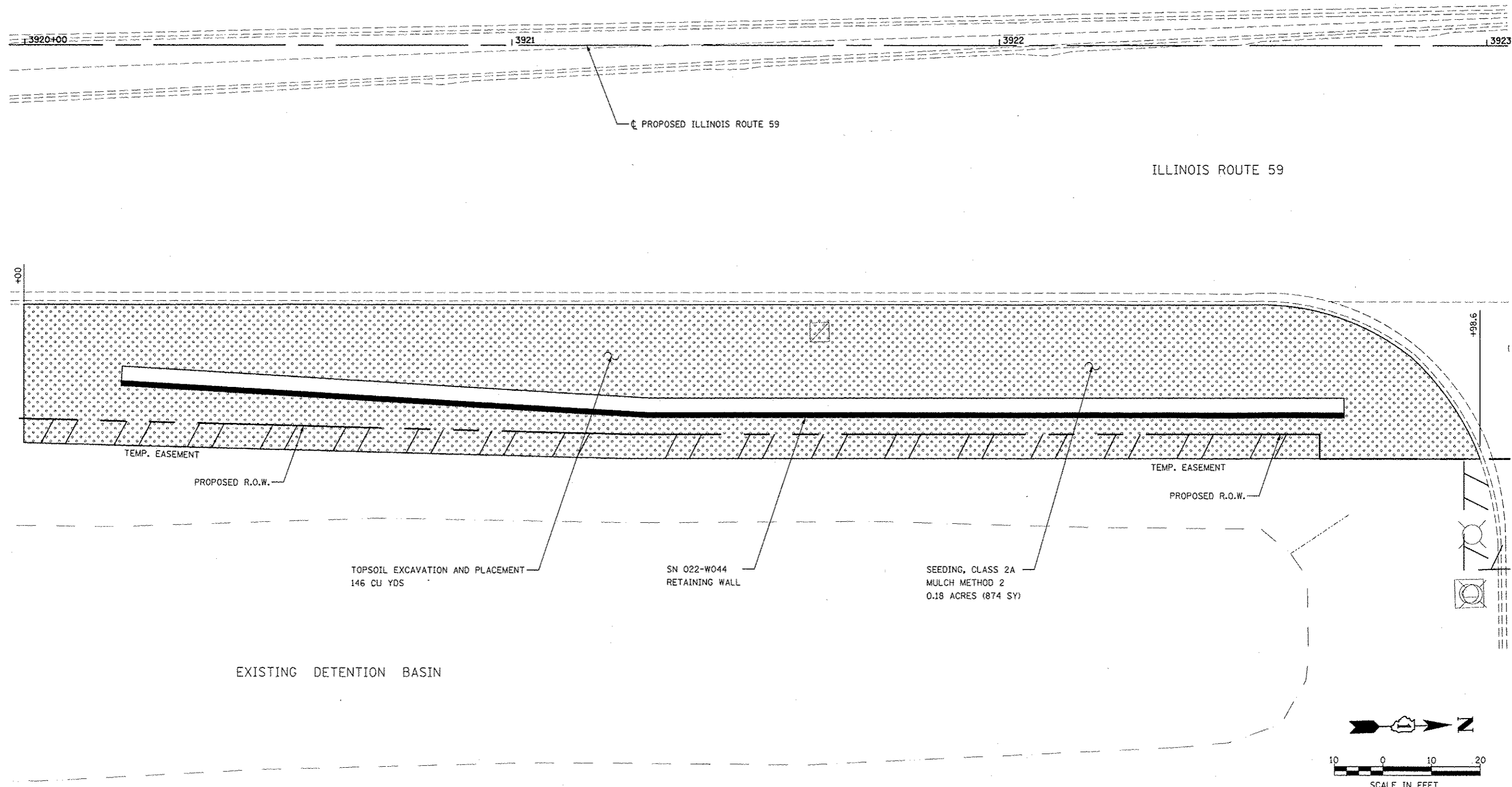
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				

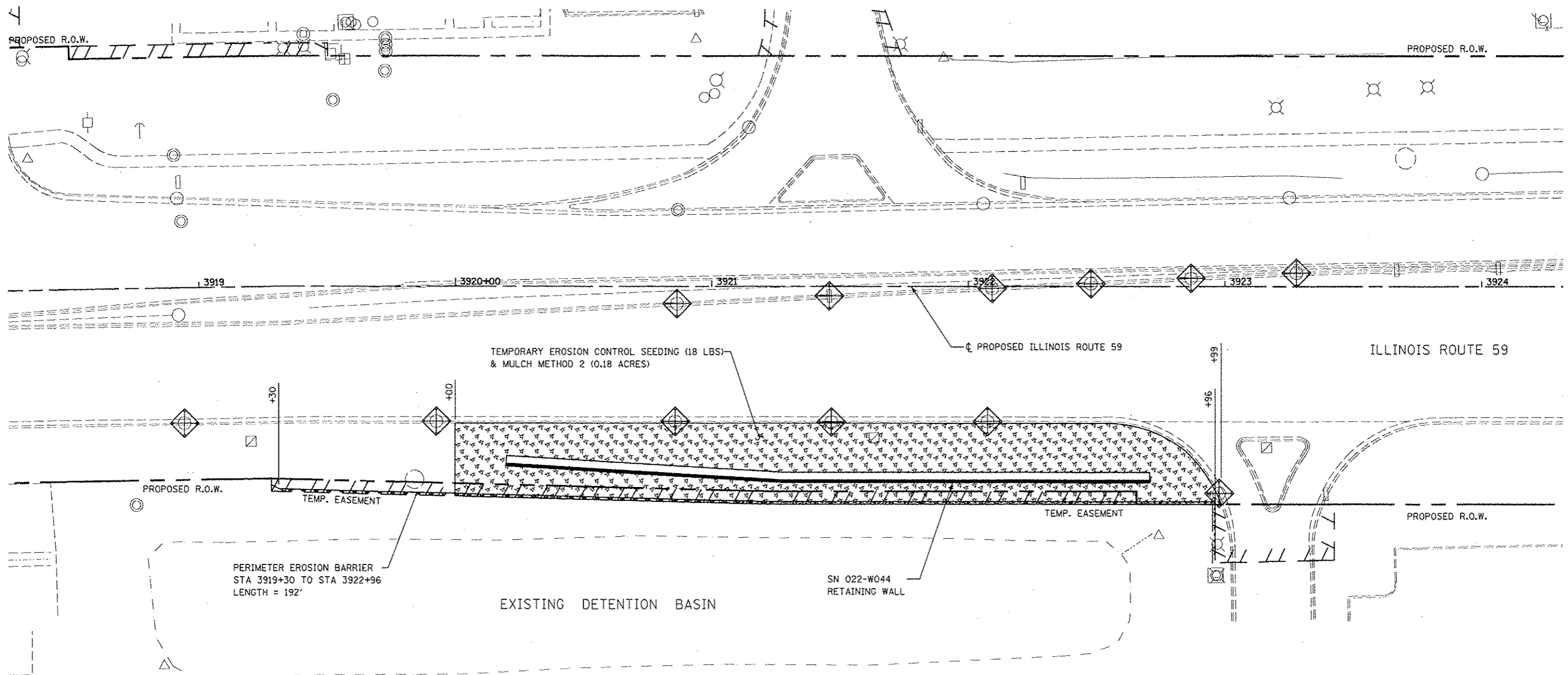
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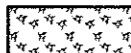



TOPSOIL EXCAVATION AND PLACEMENT  
SEEDING, CLASS 2A  
MULCH METHOD 2



FILE NAME #FILEL9	USER NAME : #USERS	DESIGNED NAV	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 022-W044 - RESTORATION PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE : #SCALE9	DRAWN KES	REVISED			338	2011-036-1	DUPAGE	234	52
PLOT DATE : #DATE9	CHECKED PJO	DATE 05-11-12	REVISED	SCALE: AS SHOWN   SHEET NO. 1 OF 1 SHEETS   STA. TO STA.		CONTRACT NO. 60P42		ILLINOIS FED. AID PROJECT		

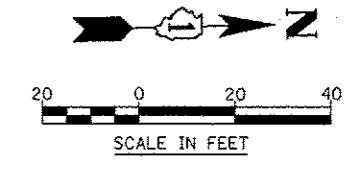


**LEGEND**

-  TEMPORARY EROSION CONTROL SEEDING  
MULCH METHOD 2
-  INLET FILTERS
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER

**NOTES**

1. SEE SUGGESTED CONSTRUCTION SEQUENCING SHEET FOR CONSTRUCTION ACTIVITY INFORMATION.



FILE NAME	USER NAME	DESIGNED	REVISIONS	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SN 022-W044 - EROSION CONTROL PLAN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN	REVISED			338	2011-036-1	DUPAGE	234	53	
		CHECKED	REVISED			CONTRACT NO. 60P42					
		DATE	REVISED			ILLINOIS FED. AID PROJECT					
				SCALE: AS SHOWN	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.				

Bench Mark: Square "□" cut in base of southern most light pole in parking lot at #1778 IL Route 59, Sta. 3966+94, 155' Right, Elev. 701.63

Existing Structure: None

**INDEX OF SHEETS**

- SC-1. General Plan & Elevation
- SC-2. General Plan & Elevation 2
- SC-3. Soldier Pile Layout 1
- SC-4. Soldier Pile Layout 2
- SC-5. Typical Section
- SC-6. Section Near Railroad Bridge
- SC-7. Details
- SC-8. Concrete Facing 1
- SC-9. Concrete Facing 2
- SC-10. Concrete Facing 3
- SC-11. Concrete Facing & Details
- SC-12. Chain Link Fence
- SC-13. Architectural Finish Details
- SC-14. Pile Splice Details
- SC-15. Boring Logs 1
- SC-16. Boring Logs 2
- SC-17. Boring Logs 3

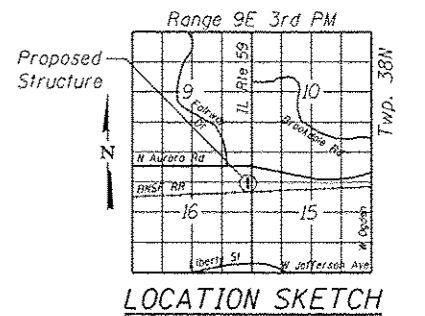


*Deborah A. Johnson*  
 Signature Date 7-11-12  
 November 30, 2012  
 Expires

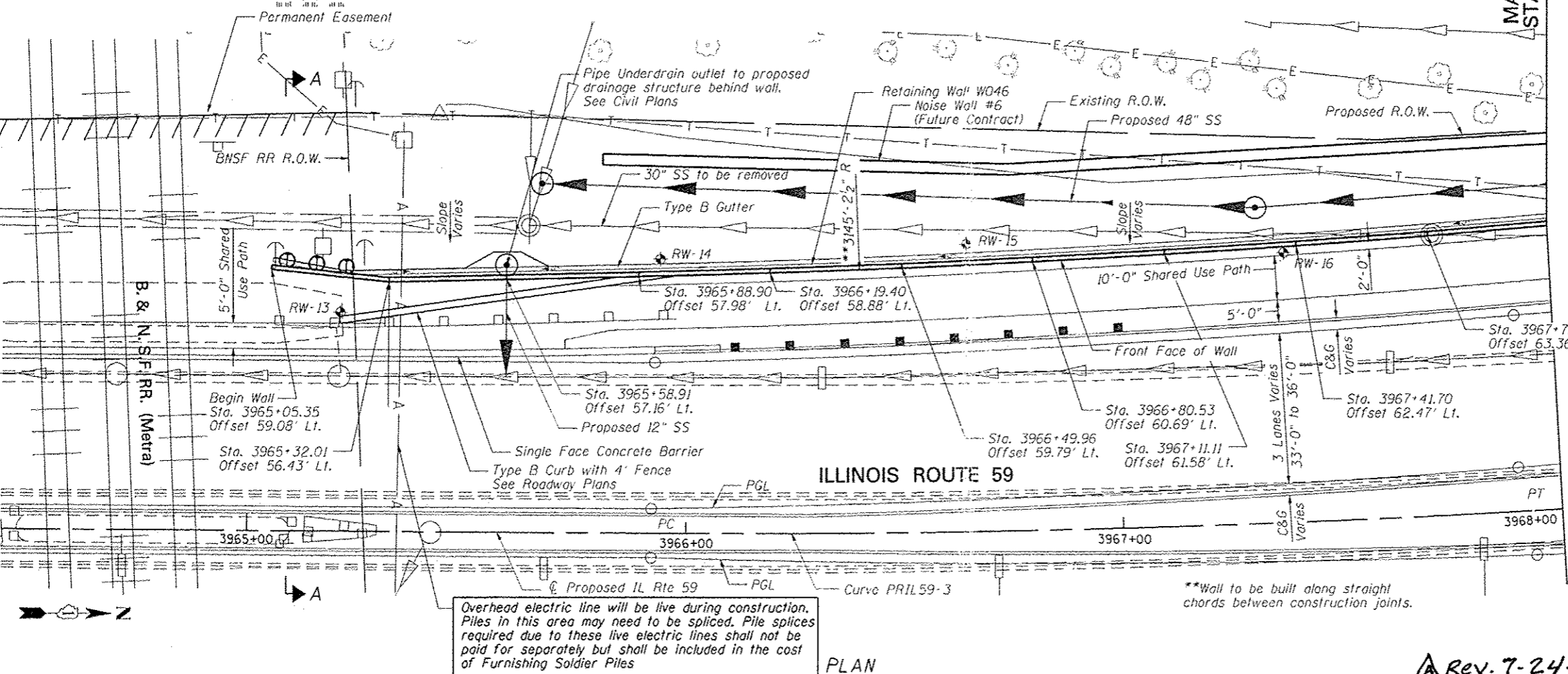
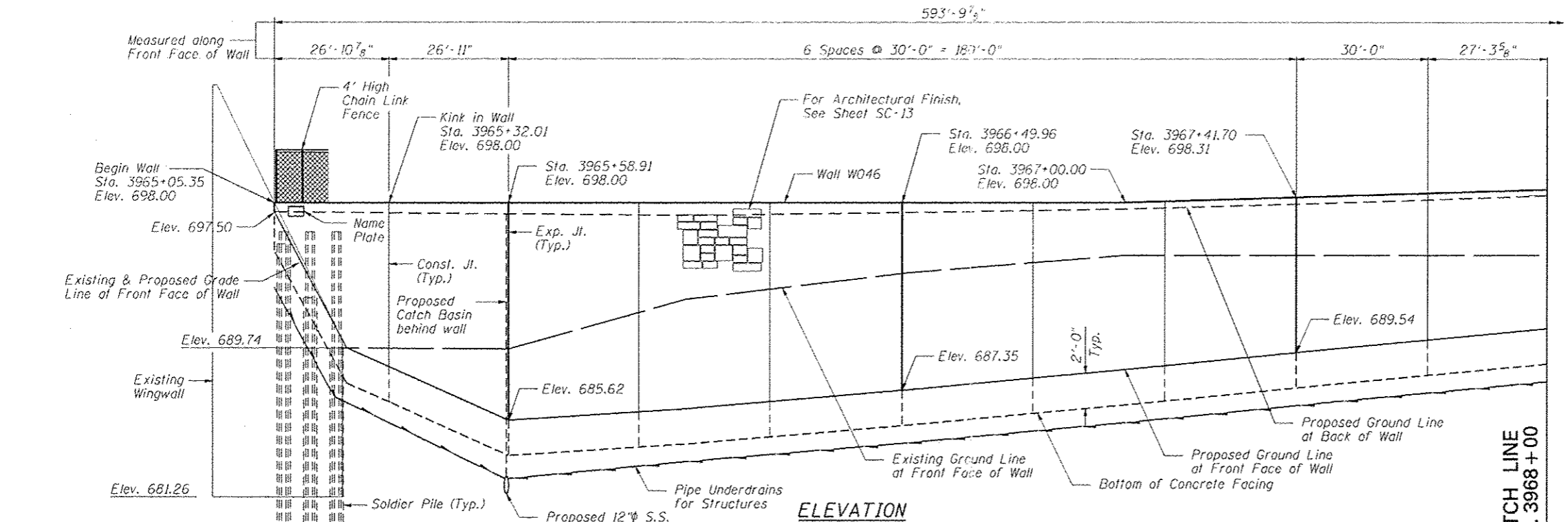
**APPROVED**  
 For Structural Adequacy Only

*H. Carl Pungert, P.E.*  
 Engineer of Bridges & Structures

Notes:  
 Offsets are measured from the @ Proposed IL Rte 59 to the front face of the wall. Front face of wall does not include architectural finish. See Detail on Sheets SC-5 & SC-6.  
 For Section A-A, see Sheet SC-6 of SC-16.  
 Soldier piles not shown for clarity.  
 Roadway work will be in future Contract 60R30.  
 Buried utilities that cross SN 022-W046 will be relocated by others, except that the buried electric line will be relocated in this contract.



**GENERAL PLAN & ELEVATION**  
 IL RTE 59 FAP RTE 338  
 SECTION 2011-036-1  
 DUPAGE COUNTY  
 STA. 3965+05.35 TO STA. 3971+00.00  
 SN 022-W046



Overhead electric line will be live during construction. Piles in this area may need to be spliced. Pile splices required due to these live electric lines shall not be paid for separately but shall be included in the cost of Furnishing Soldier Piles

\*\*Wall to be built along straight chords between construction joints.

**ZROKA** engineering  
 Zroka Engineering, P.C.  
 4216 North Hermitage  
 Chicago, IL 60613

USER NAME - SAW	DESIGNED - LAS	REVISED -
PLOT SCALE - 3/8" = 1' IN.	CHECKED - DAZ	REVISED -
PLOT DATE - 7/18/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION  
 STA. 3965+05.35 TO STA. 3971+00.00 SN 022-W046  
 SHEET NO. SC-1 OF SC-17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	54
CONTRACT NO. 60P42			ILLINOIS FED. AID PROJECT	

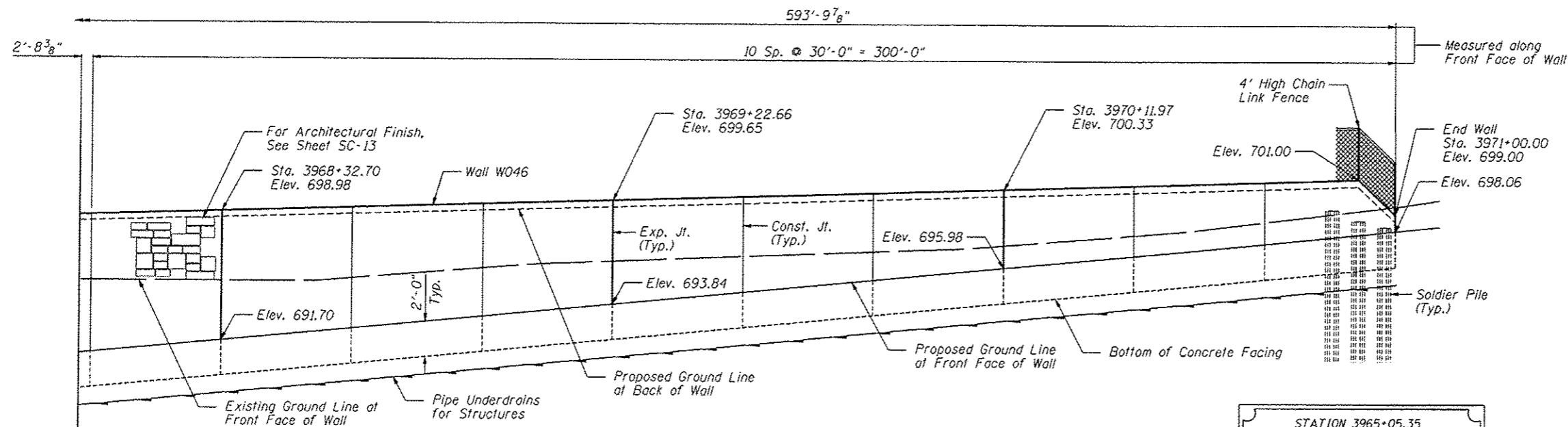
Rev. 7-24-12

**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. The Contractor is responsible for the design and performance of the logging using no less than 3" nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.
3. Protective coat shall be applied to exposed surfaces of the front face and top of wall.
4. Calculated length of Furnishing Soldier Piles (W Section) = 1248 Feet (W18x86) and 1152 Feet (W33x141)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	897
Concrete Structures	Cu. Yd.	234.9
Protective Coat	Sq. Yd.	593
Stud Shear Connectors	Each	707
Reinforcement Bars, Epoxy Coated	Pound	29,710
Name Plates	Each	1
Geocomposite Wall Drain	Sq. Yd.	368
Untreated Timber Logging	Sq. Ft.	4,368
Furnishing Soldier Piles (W Section)	Foot	2,400
Pipe Underdrains for Structures, 4"	Foot	594
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	14,953
Drilling and Setting Soldier Piles (In Rock)	Cu. Ft.	1,618
Form Liner Textured Surface	Sq. Ft.	3,264
Chain Link Fence 4', Attached to Structure	Foot	594

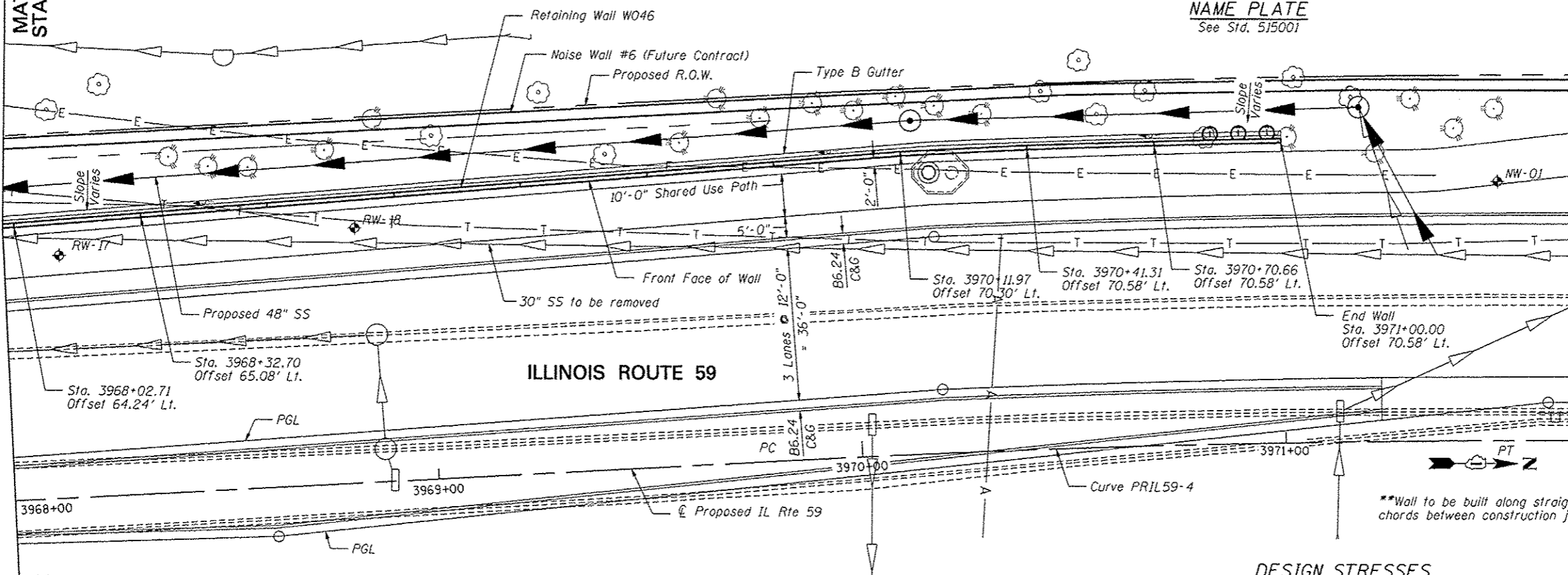


**ELEVATION**

STATION 3965+05.35  
 BUILT 2011 BY  
 STATE OF ILLINOIS  
 F.A.P. RT. 338  
 SEC. 2011-036-1  
 STR. NO. 022-W046

**NAME PLATE**  
 See Std. 515001

MATCH LINE  
 STA. 3968+00

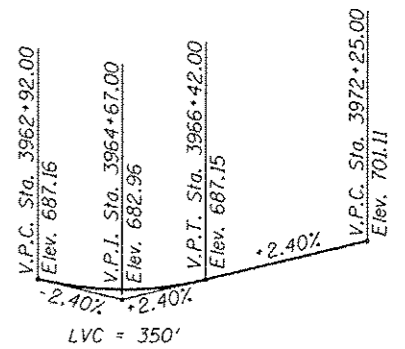


**PLAN**

**DESIGN SPECIFICATIONS**  
 2002 AASHTO Standard Specifications  
 for Highway Bridges, 17th Edition

**DESIGN STRESSES**

**FIELD UNITS**  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_y = 36,000$  psi (M270 Grade 36)



**PROFILE GRADE**  
 (along inside edge of pavement,  
 proposed IL Route 59)

**HORIZONTAL CURVE DATA**

Proposed Curve PRIL59-3  
 PI Sta. = 3966+92.83  
 $\Delta = 3^\circ 39' 58''$  (LT)  
 $D = 1^\circ 49' 07''$   
 $R = 3,150.48'$   
 $T = 100.83'$   
 $L = 201.59'$   
 $E = 1.61'$   
 P.C. Sta. = 3965+92.00  
 P.T. Sta. = 3967+93.59

Proposed Curve PRIL59-4  
 PI Sta. = 3970+83.74  
 $\Delta = 3^\circ 39' 58''$  (RT)  
 $D = 1^\circ 48' 43''$   
 $R = 3,162.19'$   
 $T = 101.20'$   
 $L = 202.33'$   
 $E = 1.62'$   
 P.C. Sta. = 3969+82.54  
 P.T. Sta. = 3971+84.87

**GENERAL PLAN & ELEVATION 2**  
**SN 022-W046**

Notes:  
 Offsets are measured from the  $\odot$  Proposed IL Rte 59 to the front face of the wall.  
 Soldier piles not shown for clarity.

Roadway work will be in future Contract 60R30.  
 Buried utilities that cross SN 022-W046 will be relocated by others, except that the buried electric line will be relocated in this contract.

**ZROKA** Engineering  
 Zroka Engineering, P.C.  
 4216 North Hermitage  
 Chicago, IL 60613

USER NAME - SAW	DESIGNED - LAS	REVISED - ADDENDUM A 7/16/12
PLOT SCALE - 3/8" = 1'	CHECKED - DAZ	REVISED -
PLOT DATE - 7/8/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	REVISED -

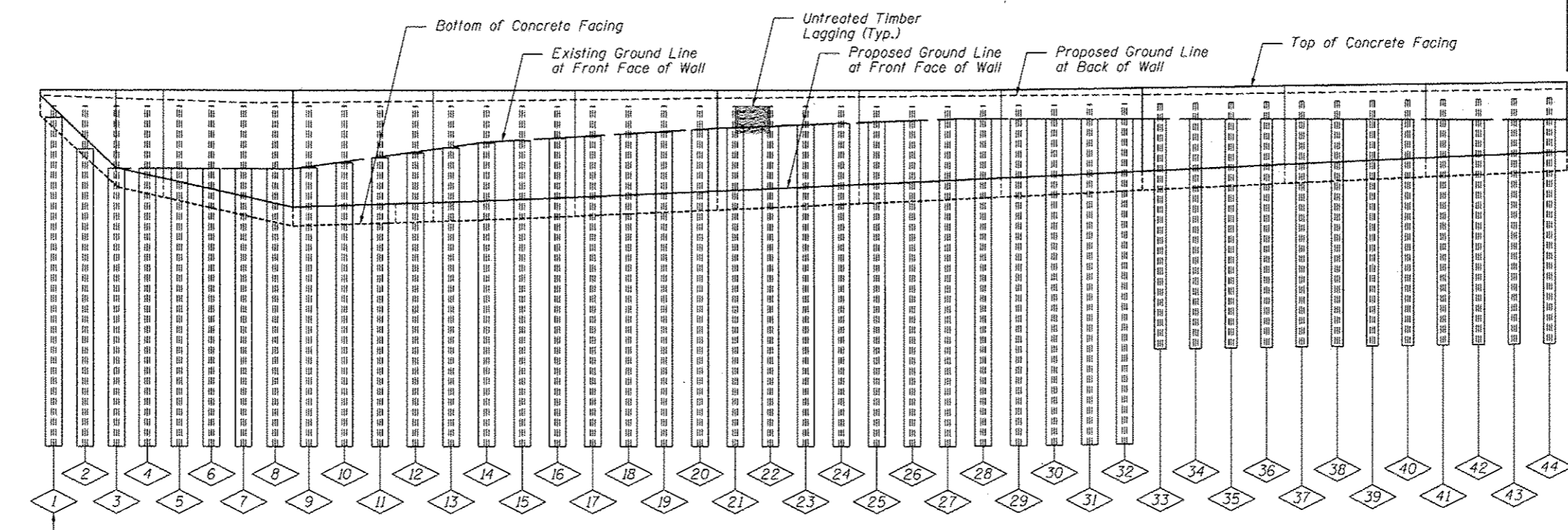
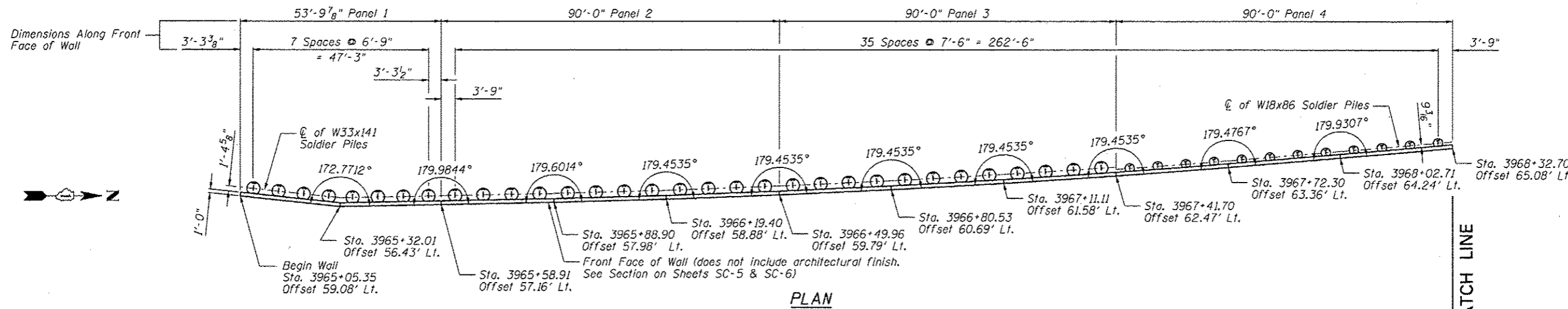
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION 2  
 STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 55
CONTRACT NO. 60P42				

SHEET NO. SC-2 OF SC-17 SHEETS

ILLINOIS FED. AID PROJECT



PILE SUMMARY

Pile No.	Station	Offset to C Pile	Pile Designation	Length	Bottom Elevation	Top Elevation	Pile No.	Station	Offset to C Pile	Pile Designation	Length	Bottom Elevation	Top Elevation	Pile No.	Station	Offset to C Pile	Pile Designation	Length	Bottom Elevation	Top Elevation
1	3965+08.85	61.13	W33x141	36'-0"	660.33	696.33	16	3966+15.51	61.17	W33x141	36'-0"	660.33	696.33	31	3967+30.15	64.56	W33x141	36'-0"	660.56	696.56
2	3965+15.57	60.46	W33x141	36'-0"	660.33	696.33	17	3966+23.13	61.40	W33x141	36'-0"	660.33	696.33	32	3967+37.81	64.76	W33x141	36'-0"	660.61	696.61
3	3965+22.29	59.80	W33x141	36'-0"	660.33	696.33	18	3966+30.78	61.64	W33x141	36'-0"	660.33	696.33	33	3967+45.46	64.37	W18x86	26'-0"	670.67	696.67
4	3965+29.01	59.13	W33x141	36'-0"	660.33	696.33	19	3966+38.42	61.87	W33x141	36'-0"	660.33	696.33	34	3967+53.11	64.61	W18x86	26'-0"	670.72	696.72
5	3965+35.31	58.91	W33x141	36'-0"	660.33	696.33	20	3966+46.07	62.08	W33x141	36'-0"	660.33	696.33	35	3967+60.77	64.83	W18x86	26'-0"	670.78	696.78
6	3965+42.06	59.09	W33x141	36'-0"	660.33	696.33	21	3966+53.69	62.30	W33x141	36'-0"	660.33	696.33	36	3967+68.42	65.04	W18x86	26'-0"	670.84	696.84
7	3965+48.81	59.27	W33x141	36'-0"	660.33	696.33	22	3966+61.34	62.54	W33x141	36'-0"	660.33	696.33	37	3967+76.06	65.24	W18x86	26'-0"	670.89	696.89
8	3965+55.55	59.45	W33x141	36'-0"	660.33	696.33	23	3966+68.99	62.77	W33x141	36'-0"	660.33	696.33	38	3967+83.72	65.48	W18x86	26'-0"	670.95	696.95
9	3965+62.59	59.65	W33x141	36'-0"	660.33	696.33	24	3966+76.64	62.98	W33x141	36'-0"	660.33	696.33	39	3967+91.37	65.70	W18x86	26'-0"	671.00	697.00
10	3965+70.09	59.85	W33x141	36'-0"	660.33	696.33	25	3966+84.27	63.20	W33x141	36'-0"	660.33	696.33	40	3967+98.91	65.90	W18x86	26'-0"	671.06	697.06
11	3965+77.59	60.05	W33x141	36'-0"	660.33	696.33	26	3966+91.92	63.44	W33x141	36'-0"	660.33	696.33	41	3968+06.41	66.11	W18x86	26'-0"	671.12	697.12
12	3965+85.09	60.26	W33x141	36'-0"	660.33	696.33	27	3966+99.57	63.67	W33x141	36'-0"	660.33	696.33	42	3968+13.91	66.32	W18x86	26'-0"	671.17	697.17
13	3965+92.58	60.49	W33x141	36'-0"	660.33	696.33	28	3967+07.22	63.87	W33x141	36'-0"	660.39	696.39	43	3968+21.40	66.53	W18x86	26'-0"	671.23	697.23
14	3966+00.22	60.73	W33x141	36'-0"	660.33	696.33	29	3967+14.85	64.09	W33x141	36'-0"	660.44	696.44	44	3968+28.90	66.74	W18x86	26'-0"	671.28	697.28
15	3966+07.86	60.96	W33x141	36'-0"	660.33	696.33	30	3967+22.50	64.33	W33x141	36'-0"	660.50	696.50							

Notes:  
All offsets are to the left of centerline of IL Rte 59  
See Sheet SC-4 for Bill of Material

SOLDIER PILE LAYOUT 1  
SN 022-W046

FILE NAME: ...ASP2-1846-283-P1.dwg

**ZROKA** engineering  
Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

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PLOT DATE: 5/4/2012	CHECKED: LAS	REVISED:

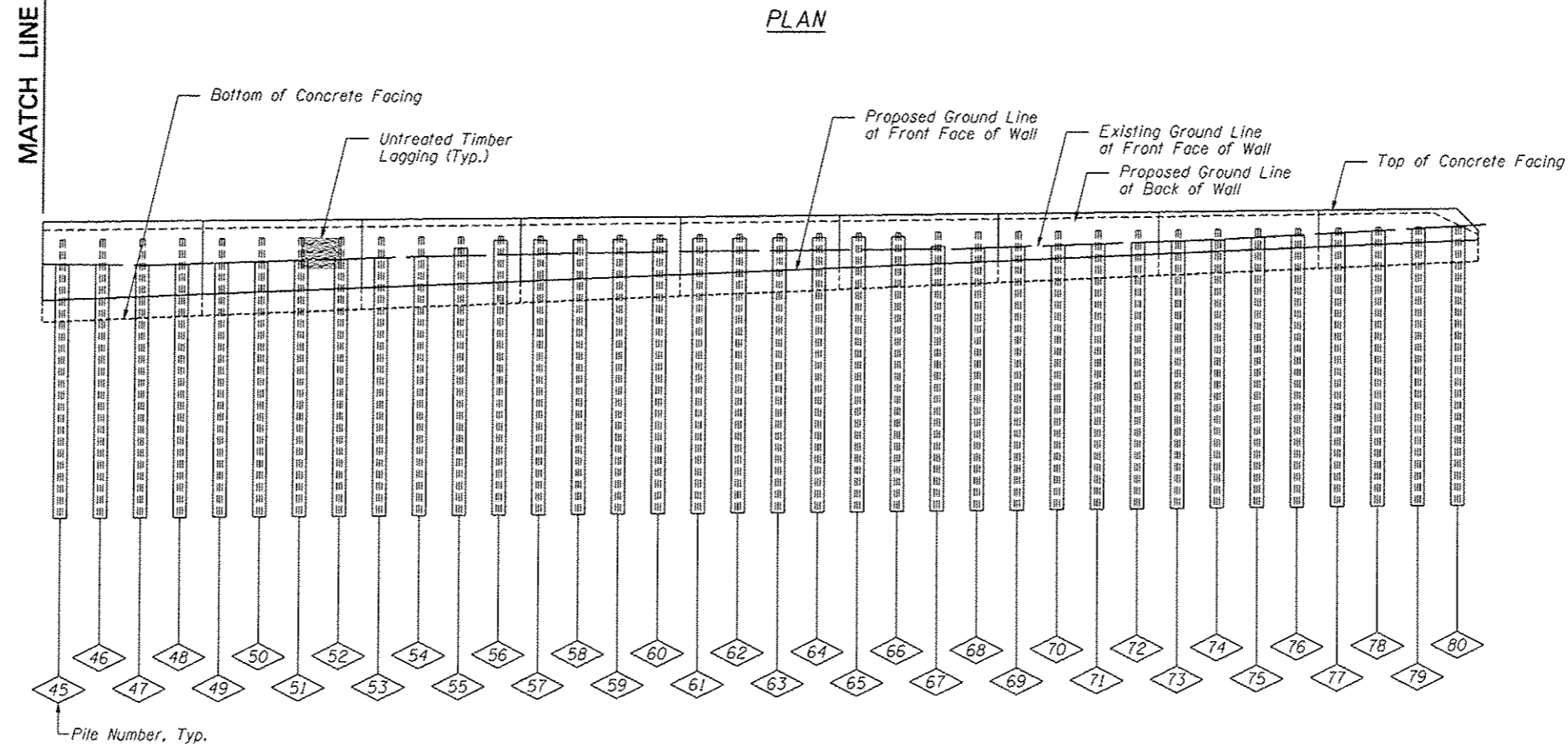
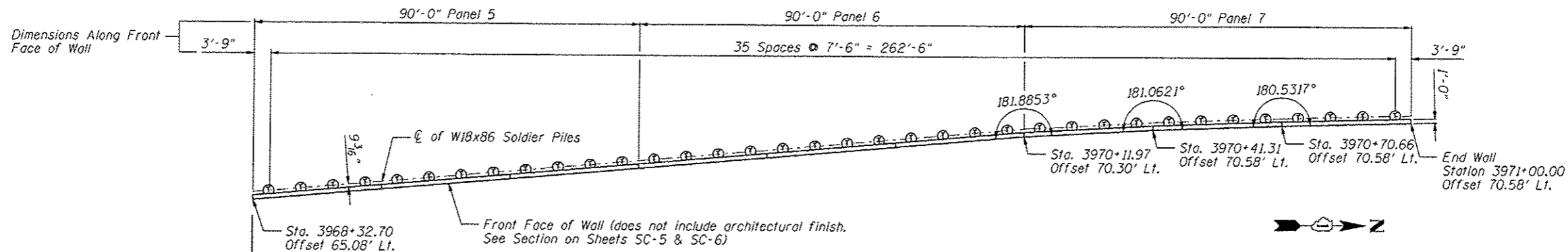
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOLDIER PILE LAYOUT 1  
STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046

SHEET NO. SC-3 OF SC-17 SHEETS

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY	TOTAL SHEETS 234	SHEET NO. 56
CONTRACT NO. 60P42			ILLINOIS FED. AID PROJECT	





**PILE SUMMARY**

Pile No.	Station	Offset to $\phi$ Pile	Pile Designation	Length	Bottom Elevation	Top Elevation	Pile No.	Station	Offset to $\phi$ Pile	Pile Designation	Length	Bottom Elevation	Top Elevation	Pile No.	Station	Offset to $\phi$ Pile	Pile Designation	Length	Bottom Elevation	Top Elevation
45	3968+36.40	66.95	W18x86	26'-0"	671.34	697.34	57	3969+26.36	69.49	W18x86	26'-0"	672.01	698.01	69	3970+15.61	72.09	W18x86	26'-0"	672.69	698.69
46	3968+43.89	67.17	W18x86	26'-0"	671.40	697.40	58	3969+33.86	69.70	W18x86	26'-0"	672.07	698.07	70	3970+22.94	72.14	W18x86	26'-0"	672.74	698.74
47	3968+51.39	67.38	W18x86	26'-0"	671.45	697.45	59	3969+41.36	69.92	W18x86	26'-0"	672.13	698.13	71	3970+30.27	72.21	W18x86	26'-0"	672.80	698.80
48	3968+58.89	67.59	W18x86	26'-0"	671.51	697.51	60	3969+48.85	70.13	W18x86	26'-0"	672.18	698.18	72	3970+37.60	72.30	W18x86	26'-0"	672.86	698.86
49	3968+66.39	67.80	W18x86	26'-0"	671.57	697.57	61	3969+56.35	70.34	W18x86	26'-0"	672.24	698.24	73	3970+44.99	72.33	W18x86	26'-0"	672.91	698.91
50	3968+73.88	68.01	W18x86	26'-0"	671.62	697.62	62	3969+63.85	70.55	W18x86	26'-0"	672.30	698.30	74	3970+52.33	72.31	W18x86	26'-0"	672.97	698.97
51	3968+81.38	68.22	W18x86	26'-0"	671.68	697.68	63	3969+71.34	70.76	W18x86	26'-0"	672.35	698.35	75	3970+59.66	72.31	W18x86	26'-0"	673.02	699.02
52	3968+88.88	68.43	W18x86	26'-0"	671.73	697.73	64	3969+78.84	70.97	W18x86	26'-0"	672.41	698.41	76	3970+66.99	72.33	W18x86	26'-0"	673.08	699.08
53	3968+96.37	68.65	W18x86	26'-0"	671.79	697.79	65	3969+86.25	71.19	W18x86	26'-0"	672.46	698.46	77	3970+74.34	72.33	W18x86	26'-0"	673.14	699.14
54	3969+03.87	68.86	W18x86	26'-0"	671.85	697.85	66	3969+93.59	71.42	W18x86	26'-0"	672.52	698.52	78	3970+81.67	72.31	W18x86	26'-0"	673.19	699.19
55	3969+11.37	69.07	W18x86	26'-0"	671.90	697.90	67	3970+00.92	71.66	W18x86	26'-0"	672.58	698.58	79	3970+89.00	72.31	W18x86	26'-0"	673.25	699.25
56	3969+18.87	69.28	W18x86	26'-0"	671.96	697.96	68	3970+08.24	71.93	W18x86	26'-0"	672.63	698.63	80	3970+96.33	72.33	W18x86	26'-0"	673.31	699.31

**BILL OF MATERIAL**

Item	Unit	Quantity
Furnishing Soldier Piles (W Section)	Foot	2,400
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	14,953
Drilling and Setting Soldier Piles (In Rock)	Cu. Ft.	1,618
Untreated Timber Lagging	Sq Ft	4,368
Stud Shear Connectors	Each	707

Note: All offsets are to the left of centerline of IL Rte 59

**SOLDIER PILE LAYOUT 2  
SN 022-W046**

FILE NAME: ... \BPP42-W046-004-P1.dwg

**ZROKA**  
engineering  
Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

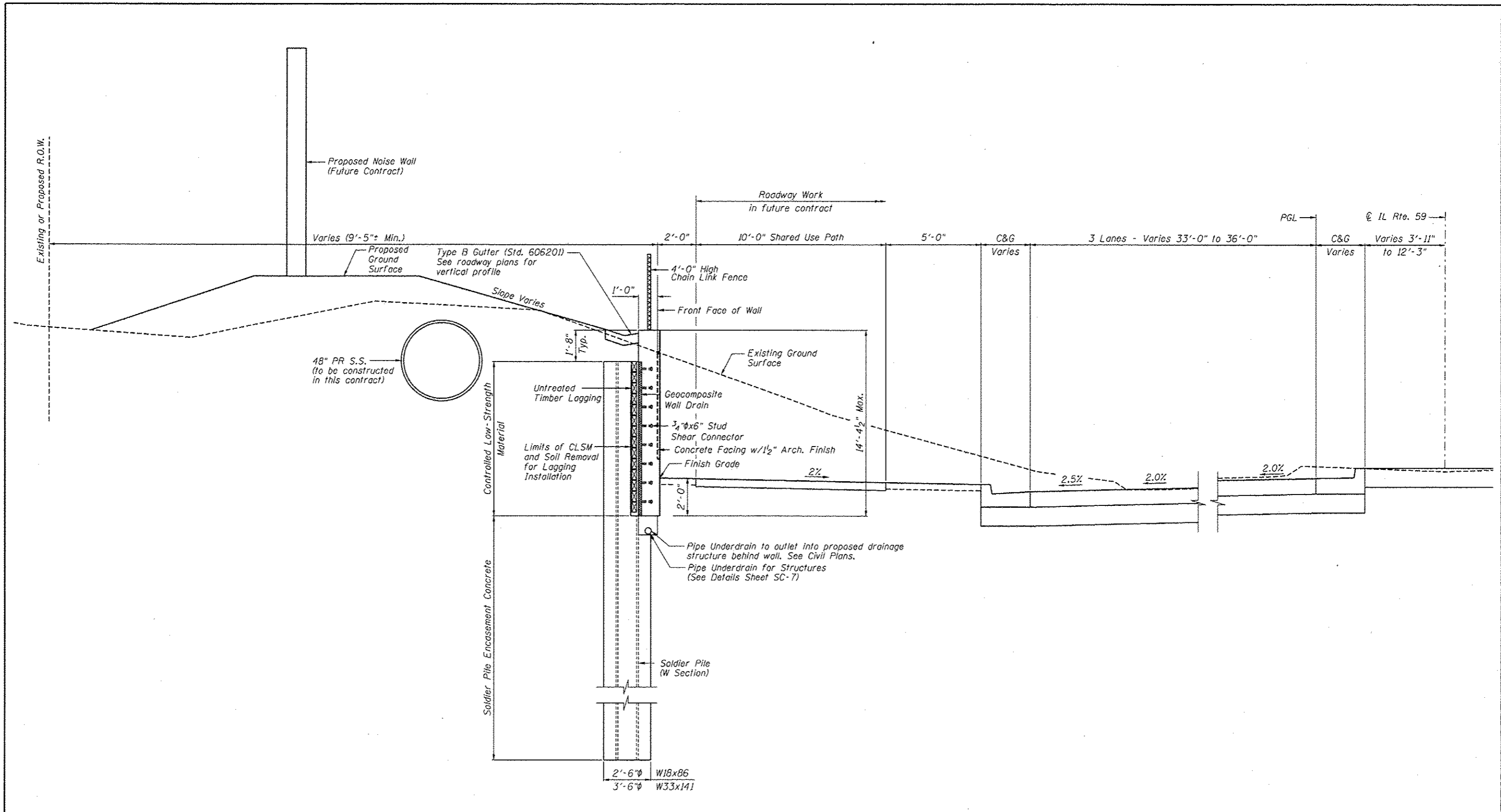
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOLDIER PILE LAYOUT 2  
STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046**

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 57
ILLINOIS FED. AID PROJECT				CONTRACT NO. 60P42

SHEET NO. SC-4 OF SC-17 SHEETS



**TYPICAL WALL SECTION**  
 Sta. 3965+22.00 to Sta. 3971+00  
 (Looking North)

**TYPICAL SECTION**  
 SN 022-W046

FILE NAME: ...\\BEP-12-2846-285-1.dwg

**ZROKA** engineering  
 Zroka Engineering, P.C.  
 4216 North Hermitage  
 Chicago, IL 60613

USER NAME: SAW	DESIGNED: LAS	REVISED: -
	CHECKED: DAZ	REVISED: -
PLOT SCALE: 5/8" = 1'	DRAWN: SAW	REVISED: -
PLOT DATE: 5/4/2012	CHECKED: LAS	REVISED: -

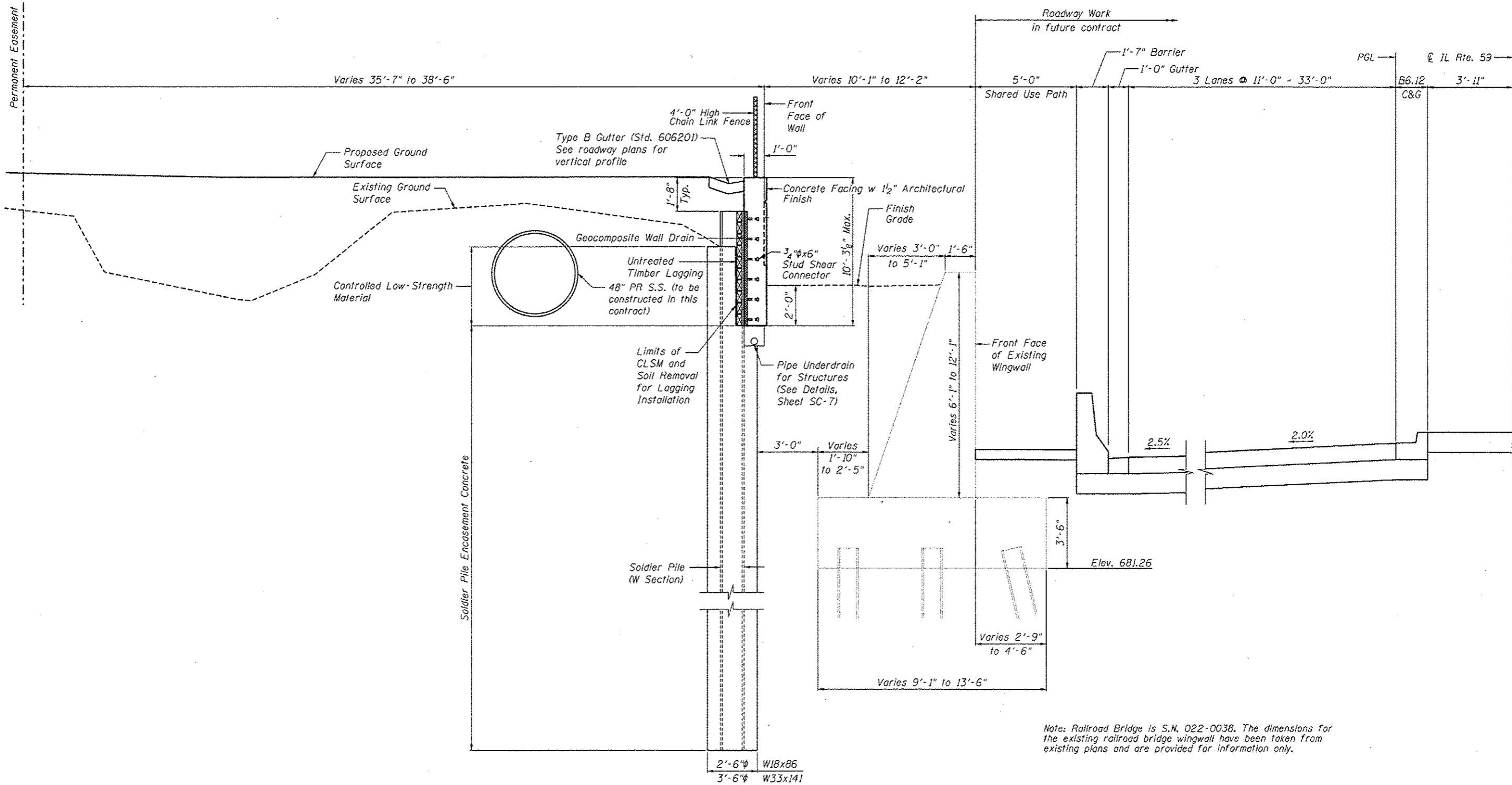
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION**  
**STA. 3965+05.35 TO STA. 3971+00.00 SN 022-W046**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	58
				CONTRACT NO. 60P42

SHEET NO. SC-5 OF SC-17 SHEETS

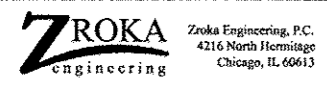
ILLINOIS FED. AID PROJECT



Note: Railroad Bridge is S.N. 022-0038. The dimensions for the existing railroad bridge wingwall have been taken from existing plans and are provided for information only.

**SECTION A-A**  
Sta. 3965+05.35 to Sta. 3965+22.00  
(Looking North)

**SECTION NEAR RAILROAD BRIDGE**  
SN 022-W046



USER NAME = SAW	DESIGNED - LAS	REVISED -
PLOT SCALE = 5/8" = 1' IN.	CHECKED - DAZ	REVISED -
PLOT DATE = 5/4/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

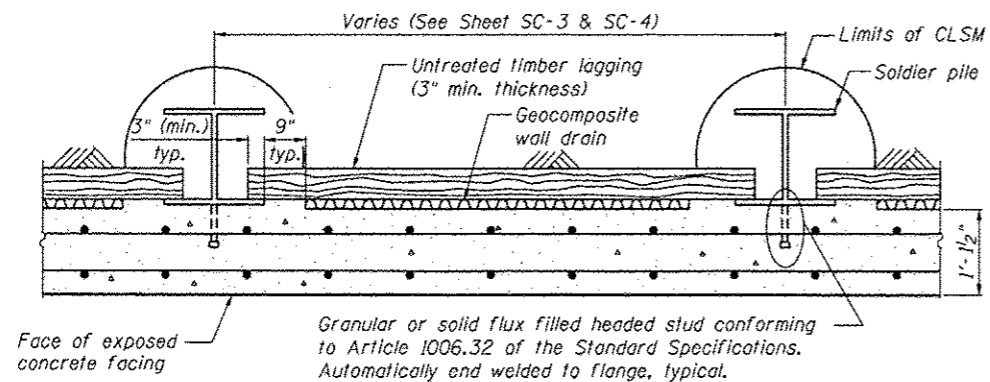
**SECTION NEAR RAILROAD BRIDGE**  
STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	59

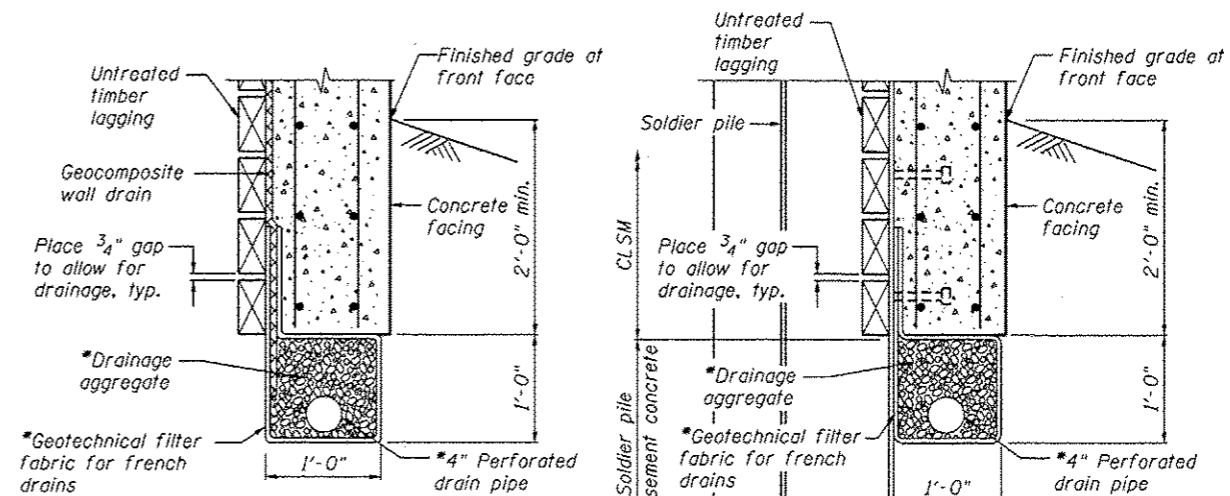
SHEET NO. SC-6 OF SC-17 SHEETS

ILLINOIS FED. AID PROJECT

FILE NAME: ...\\BEP-2-WP16-205-SectionNearRR.dgn



**SECTION THRU DRILLED SOLDIER PILE WALL**



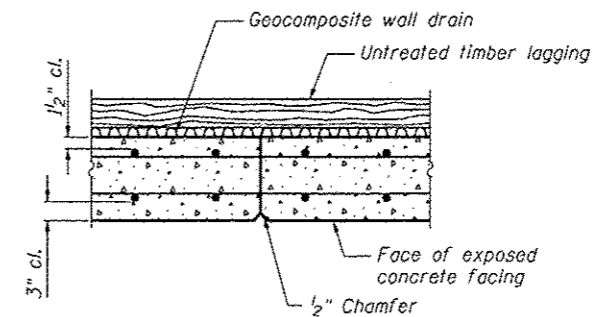
**BETWEEN SOLDIER PILES**

**AT SOLDIER PILES**

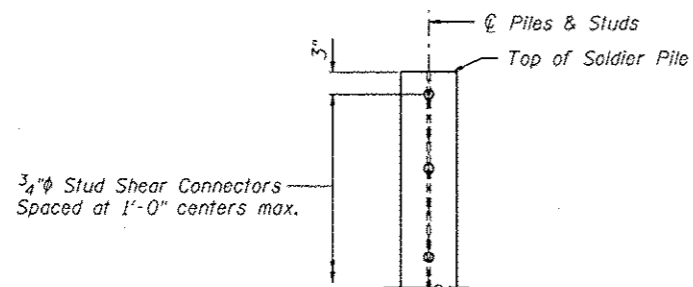
**PIPE UNDERDRAIN DETAIL**

\*Included in the cost of "Pipe Underdrains for Structures, 4"

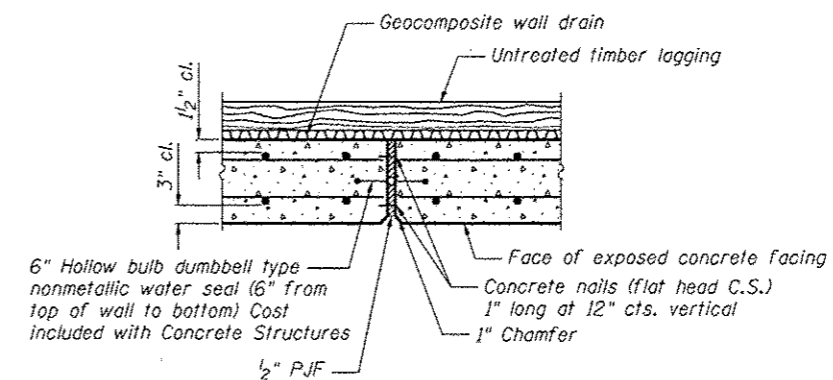
For pipe underdrain outlets, see Civil Plans.



**CONSTRUCTION JOINT DETAIL**



**DETAIL OF SHEAR STUD PLACEMENT**



**EXPANSION JOINT DETAIL**

**DETAILS  
SN 022-W046**



Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

USER NAME = SAW  
PLOT SCALE = 3/8" = 1'-0"  
PLOT DATE = 5/4/2012

DESIGNED - LAS  
CHECKED - DAZ  
DRAWN - SAW  
CHECKED - LAS  
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

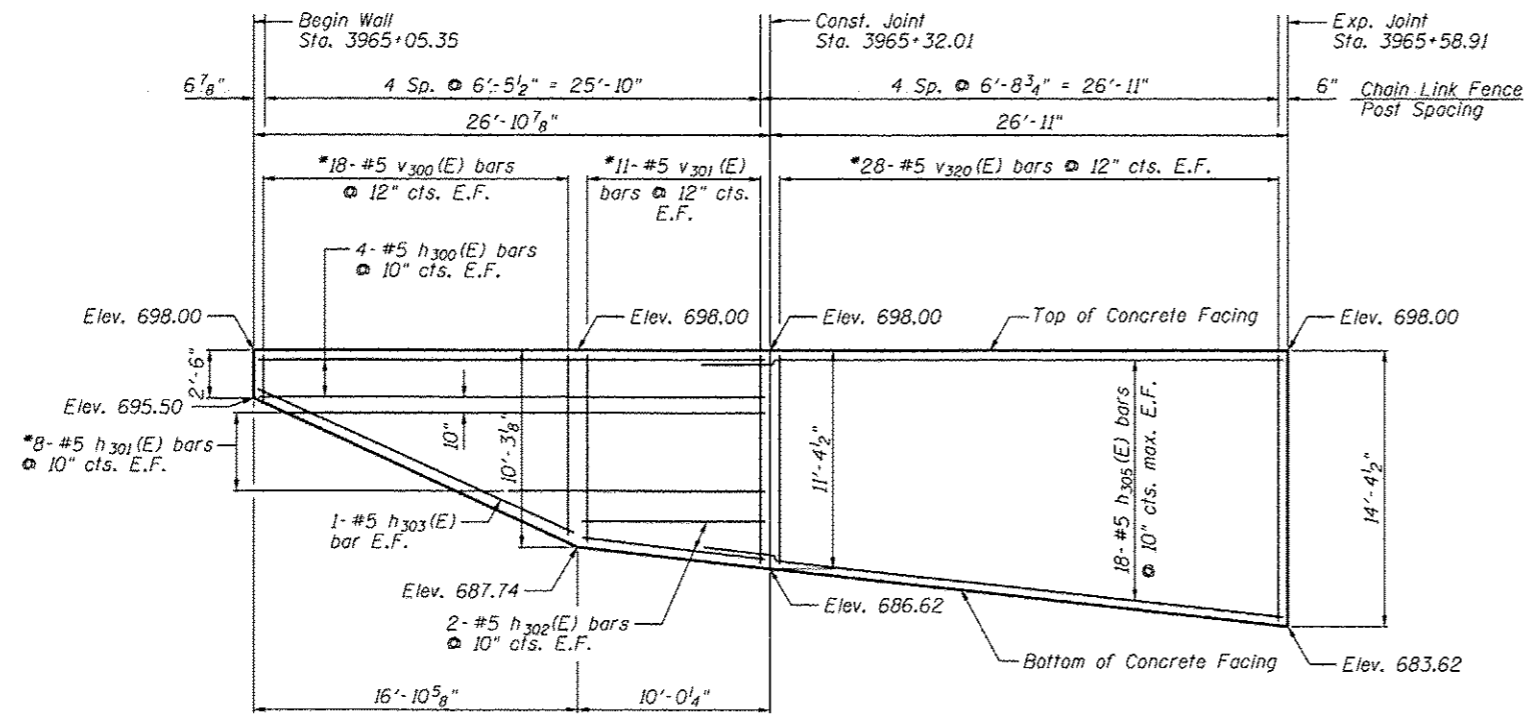
**DETAILS  
STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046**

SHEET NO. SC-7 OF SC-17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	60
				CONTRACT NO. 60P42

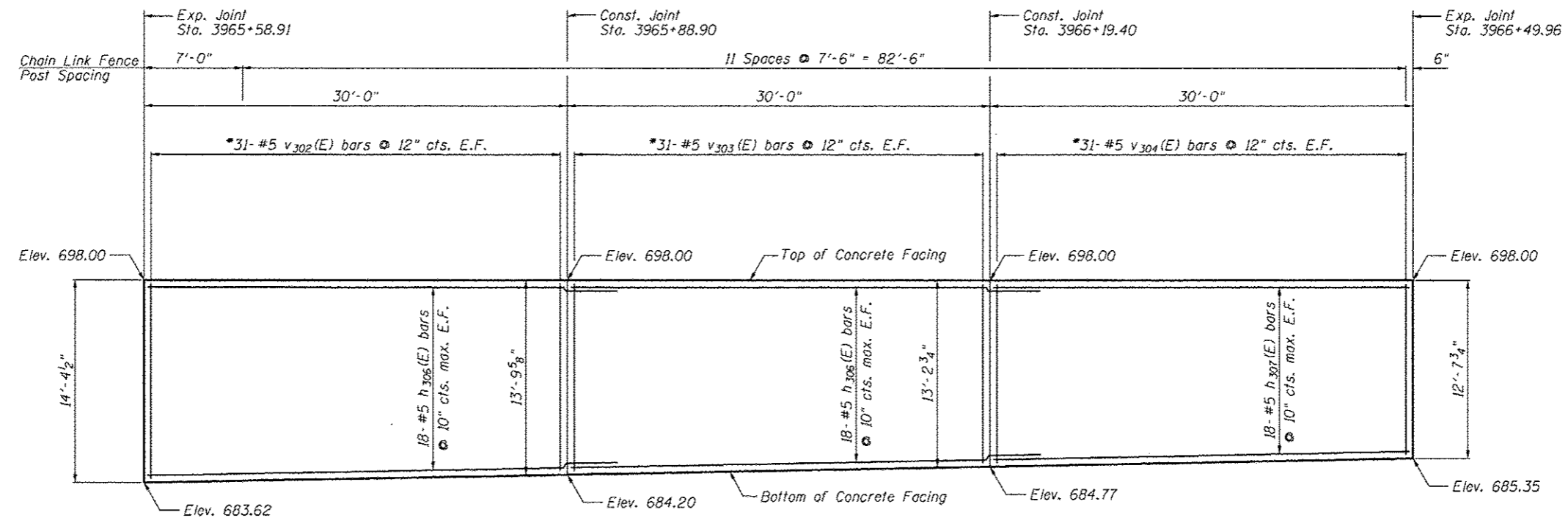
ILLINOIS FED. AID PROJECT

FILE NAME: ...ABP-12-0245-207-Details.dgn



ELEVATION

Notes:  
 Minimum lap for #5 bar is 3'-8".  
 Space reinforcement in wall to miss shear studs.  
 \* signifies cut bar. Order per length on Bill of Material. Cut as shown in Cutting Diagram and use half of bars in each face.  
 See Sheet SC-11 for Concrete Facing Details and Bill of Material.



ELEVATION

CONCRETE FACING 1  
 SN 022-W046

FILE NAME: ...68P2-W046-008-ConcreteFacing.dgn



Zroka Engineering, P.C.  
 4216 North Hermitage  
 Chicago, IL 60613

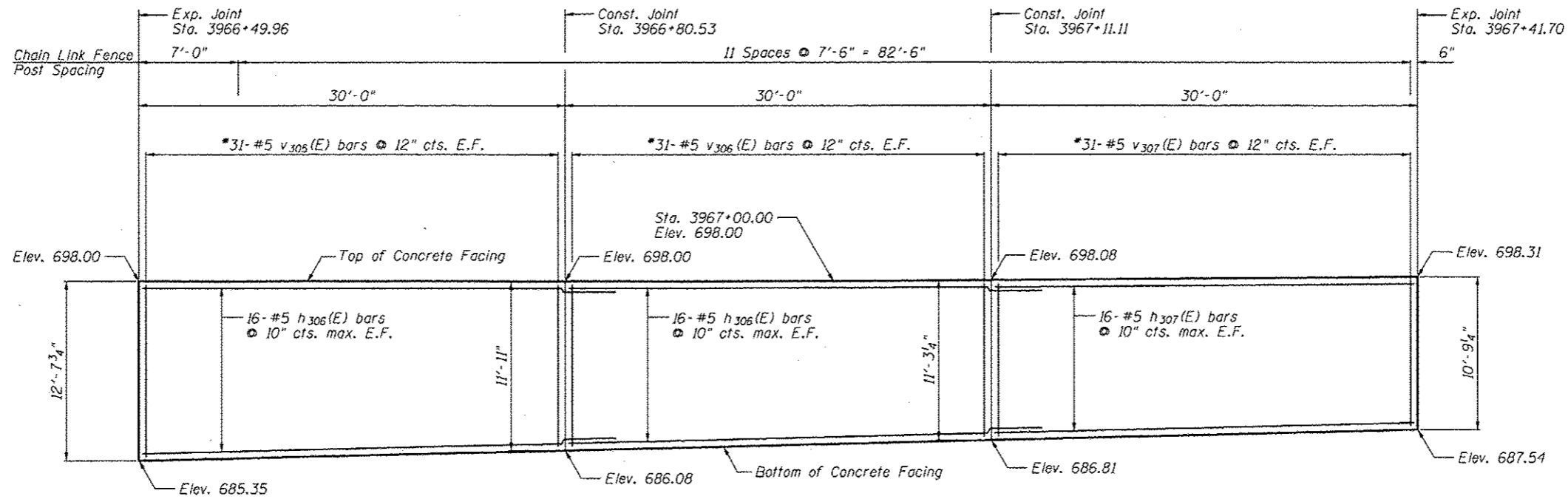
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PLOT DATE = 5/4/2012	CHECKED - LAS	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

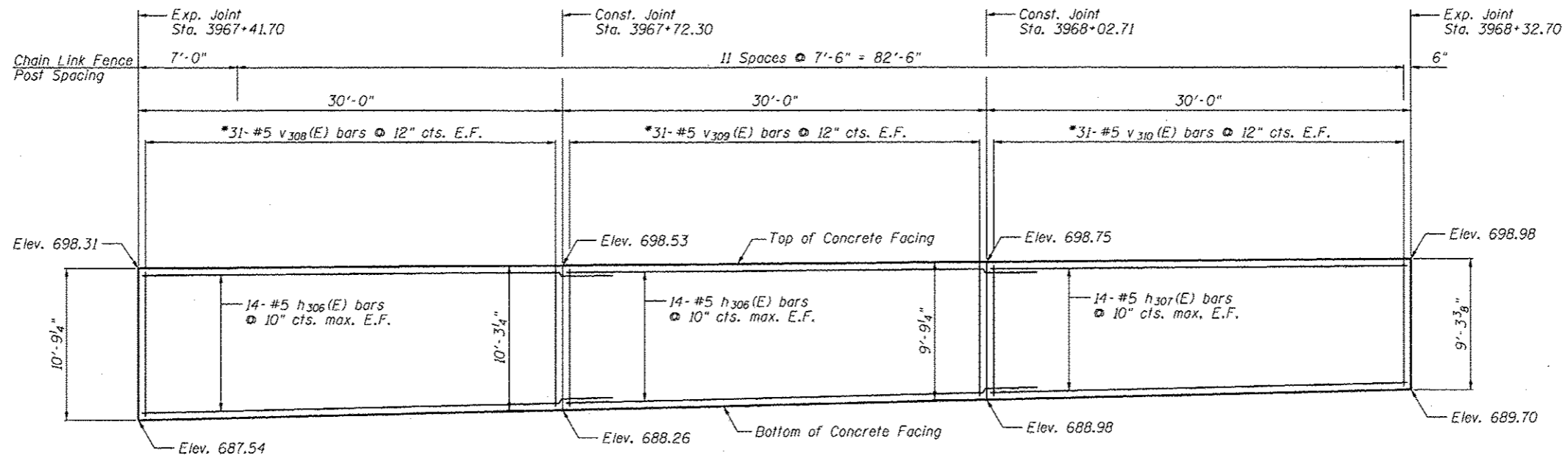
CONCRETE FACING 1  
 STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046

SHEET NO. SC-8 OF SC-17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	61
CONTRACT NO. 60P42			ILLINOIS FED. AID PROJECT	



**ELEVATION**



**ELEVATION**

**Notes:**

Minimum lap for #5 bar is 3'-8".

Space reinforcement in wall to miss shear studs.

\* signifies cut bar. Order per length on Bill of Material. Cut as shown in Cutting Diagram and use half of bars in each face.

See Sheet SC-11 for Concrete Facing Details and Bill of Material.

**CONCRETE FACING 2  
SN 022-W046**



Zroka Engineering, P.C.  
4216 North Hemming  
Chicago, IL 60613

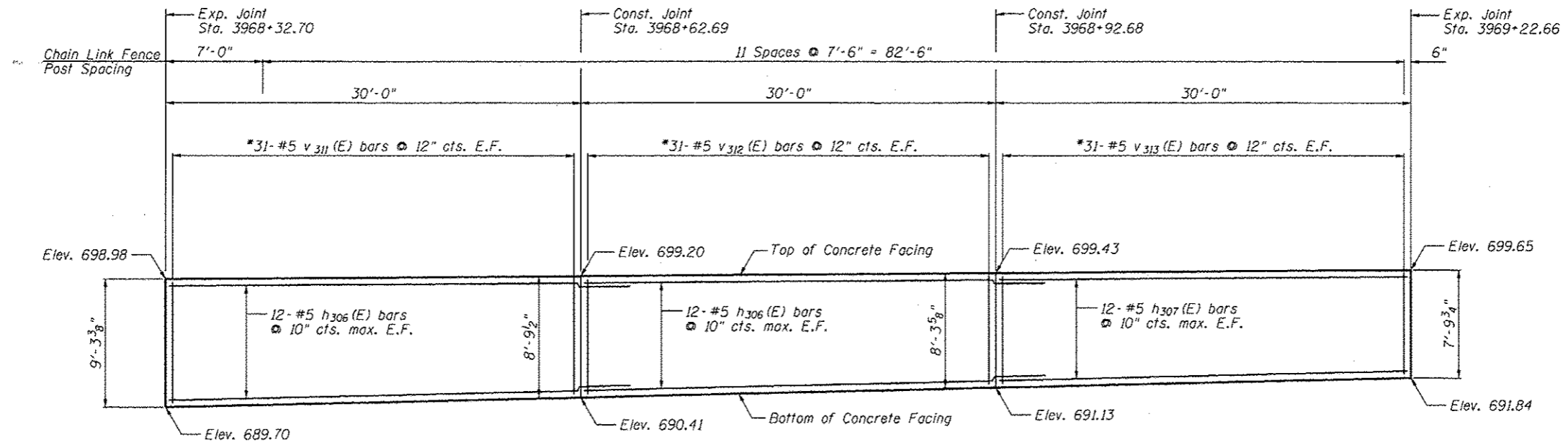
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PLOT DATE = 5/4/2012	DRAWN - SAW	REVISIONS -
	CHECKED - LAS	REVISIONS -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

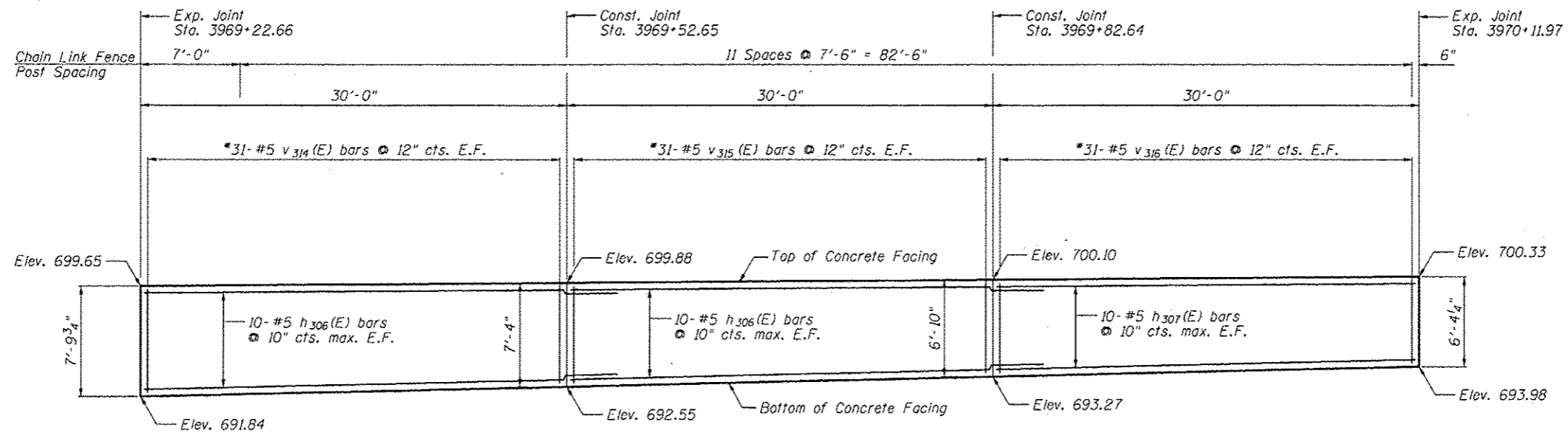
**CONCRETE FACING 2  
STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046**

SHEET NO. SC-9 OF SC-17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	62
CONTRACT NO. 60P42			ILLINOIS FED. AID PROJECT	



ELEVATION



ELEVATION

Notes:

Minimum lap for #5 bar is 3'-8".

Space reinforcement in wall to miss shear studs.

\* signifies cut bar. Order per length on Bill of Material. Cut as shown in Cutting Diagram and use half of bars in each face.

See Sheet SC-11 for Concrete Facing Details and Bill of Material.

CONCRETE FACING 3  
SN 022-W046

FILE NAME: ...158922-10246-210-ConcreteFacing3.dwg



Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

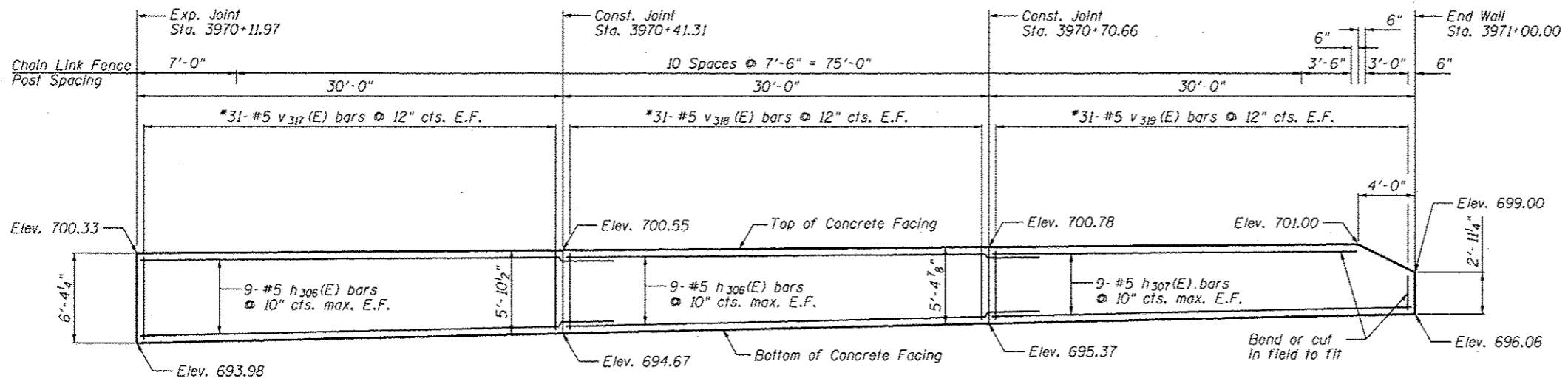
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PLOT DATE = 5/4/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE FACING 3  
STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046

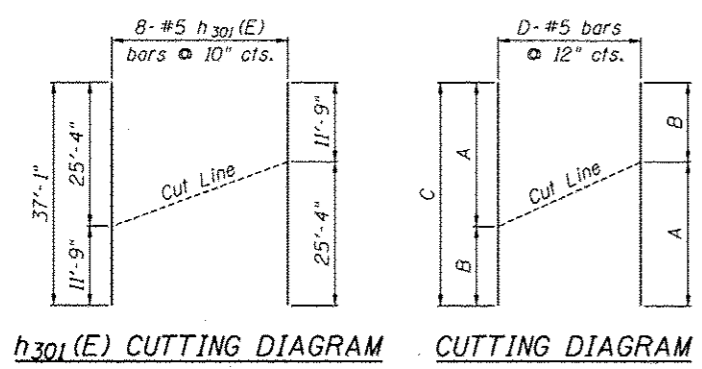
SHEET NO. SC-10 OF SC-17 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	63
CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				

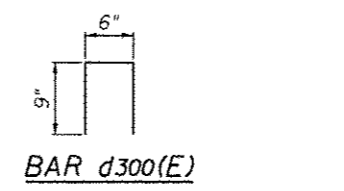


ELEVATION

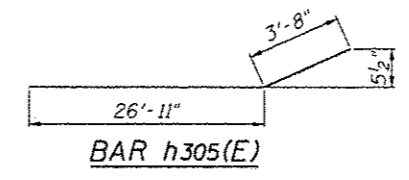
Notes:  
 Minimum lap for #5 bar is 3'-8".  
 Space reinforcement in wall to miss shear studs.  
 \* signifies cut bar. Order per length on Bill of Material. Cut as shown in Cutting Diagram and use half of bars in each face.



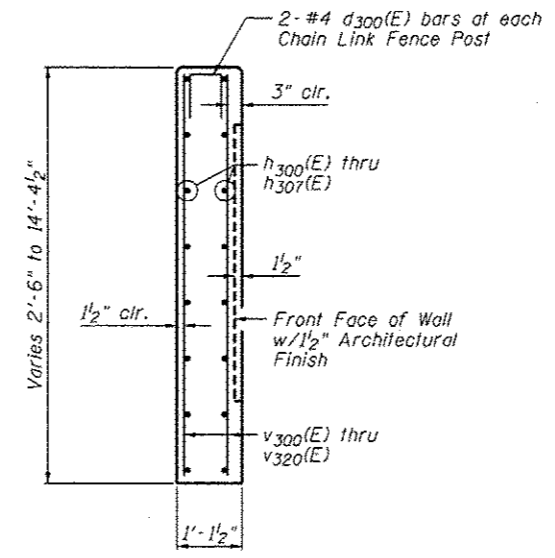
Bar	A	B	C	D
v 300(E)	2'-2"	10'-0"	12'-2"	18
v 301(E)	10'-0"	11'-0"	21'-0"	11
v 302(E)	14'-0"	13'-6"	27'-6"	31
v 303(E)	13'-6"	12'-10"	26'-4"	31
v 304(E)	12'-10"	12'-4"	25'-2"	31
v 305(E)	12'-4"	11'-7"	23'-11"	31
v 306(E)	11'-7"	10'-11"	22'-6"	31
v 307(E)	10'-11"	10'-5"	21'-4"	31
v 308(E)	10'-5"	9'-11"	20'-4"	31
v 309(E)	9'-11"	9'-5"	19'-4"	31
v 310(E)	9'-5"	8'-11"	18'-4"	31
v 311(E)	8'-11"	8'-5"	17'-4"	31
v 312(E)	8'-5"	8'-0"	16'-5"	31
v 313(E)	8'-0"	7'-6"	15'-6"	31
v 314(E)	7'-6"	7'-0"	14'-6"	31
v 315(E)	7'-0"	6'-6"	13'-6"	31
v 316(E)	6'-6"	6'-0"	12'-6"	31
v 317(E)	6'-0"	5'-6"	11'-6"	31
v 318(E)	5'-6"	5'-1"	10'-7"	31
v 319(E)	5'-1"	4'-7"	9'-8"	31
v 320(E)	11'-0"	14'-0"	25'-0"	28



BAR d300(E)



BAR h305(E)



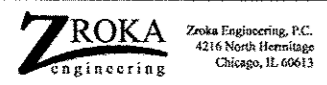
SECTION THRU CONCRETE FACING

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d 300(E)	166	#4	2'-0"	U
h 300(E)	8	#5	26'-7"	—
h 301(E)	8	#5	37'-1"	—
h 302(E)	4	#5	9'-8"	—
h 303(E)	2	#5	18'-3"	—
h 305(E)	36	#5	30'-7"	—
h 306(E)	316	#5	33'-8"	—
h 307(E)	158	#5	29'-8"	—
v 300(E)	18	#5	12'-2"	—
v 301(E)	11	#5	21'-0"	—
v 302(E)	31	#5	27'-6"	—
v 303(E)	31	#5	26'-4"	—
v 304(E)	31	#5	25'-2"	—
v 305(E)	31	#5	23'-11"	—
v 306(E)	31	#5	22'-6"	—
v 307(E)	31	#5	21'-4"	—
v 308(E)	31	#5	20'-4"	—
v 309(E)	31	#5	19'-4"	—
v 310(E)	31	#5	18'-4"	—
v 311(E)	31	#5	17'-4"	—
v 312(E)	31	#5	16'-5"	—
v 313(E)	31	#5	15'-6"	—
v 314(E)	31	#5	14'-6"	—
v 315(E)	31	#5	13'-6"	—
v 316(E)	31	#5	12'-6"	—
v 317(E)	31	#5	11'-6"	—
v 318(E)	31	#5	10'-7"	—
v 319(E)	31	#5	9'-8"	—
v 320(E)	28	#5	25'-0"	—
Item		Unit	Quantity	
Concrete Structures		Cu. Yd.	234.9	
Reinforcement Bars, Epoxy Coated		Pound	29,710	
Pipe Underdrains for Structures, 4"		Foot	594	
Geocomposite Wall Drain		Sq. Yd.	368	

CONCRETE FACING & DETAILS SN 022-W046

FILE NAME: ... \NSP-12-10246-211-Concrete Facing.dgn



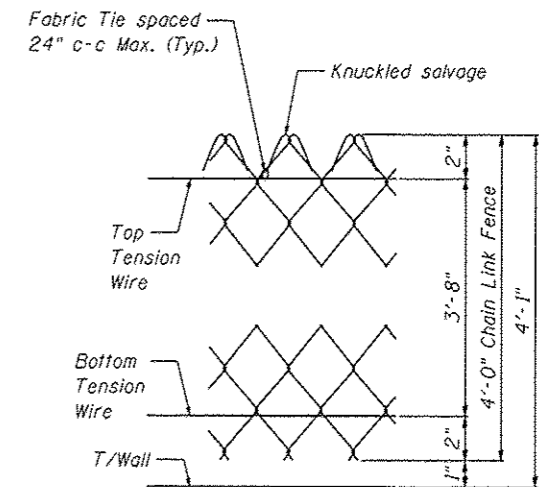
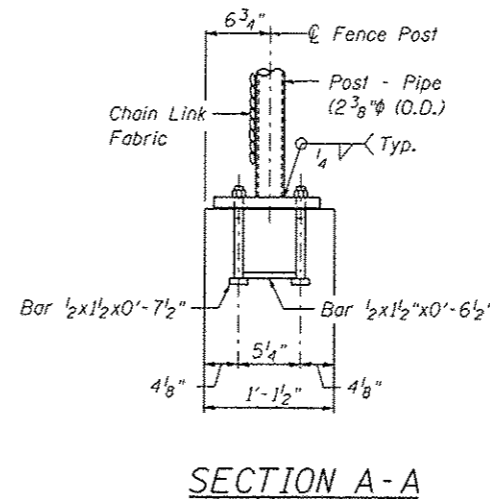
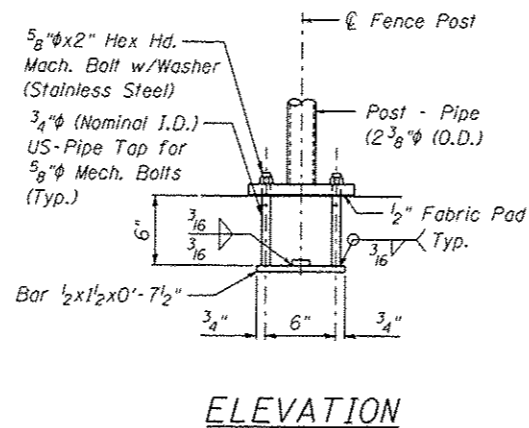
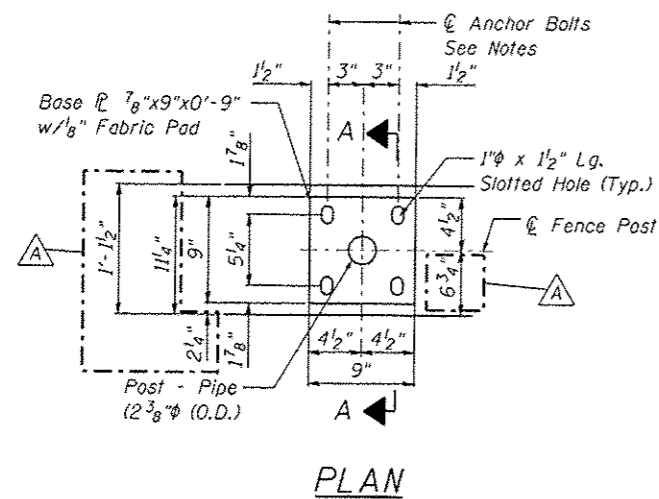
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PLOT DATE = 5/4/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CONCRETE FACING & DETAILS  
 STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY	TOTAL SHEETS 234	SHEET NO. 64
SHEET NO. SC-11 OF SC-17 SHEETS			CONTRACT NO. 60P42	
ILLINOIS FED. AID PROJECT				





In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8"  $\phi$  anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

FENCE POST ANCHOR ASSEMBLY DETAILS

CHAIN LINK FENCE  
SN 022-W046

FILE NAME: ...16022-1016-012-FenceDetail.dgn

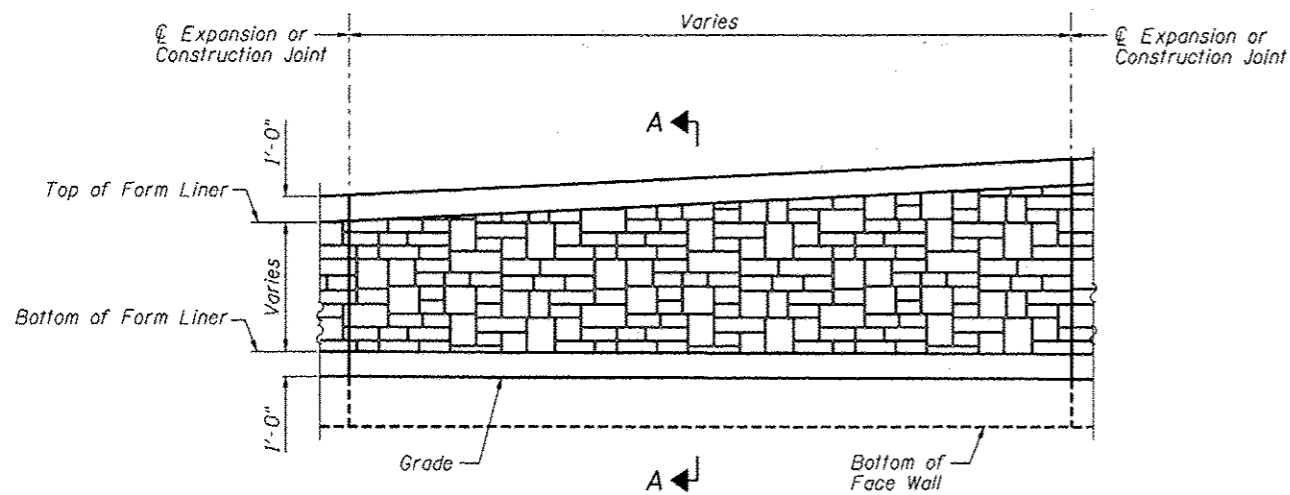
**ZROKA** engineering  
Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

USER NAME • SAW	DESIGNED - LAS	REVISED ADDENDUM A 7/16/12
PLOT SCALE • 5.0000 / IN.	CHECKED - DAZ	REVISED -
PLOT DATE • 7/8/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	REVISED -

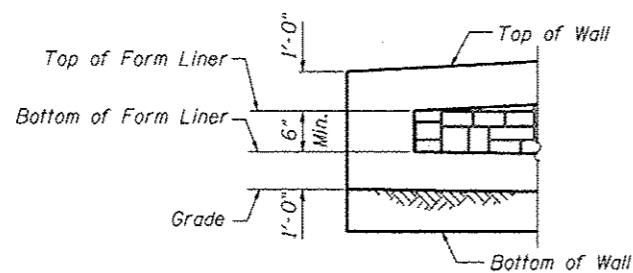
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CHAIN LINK FENCE**  
**STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046**

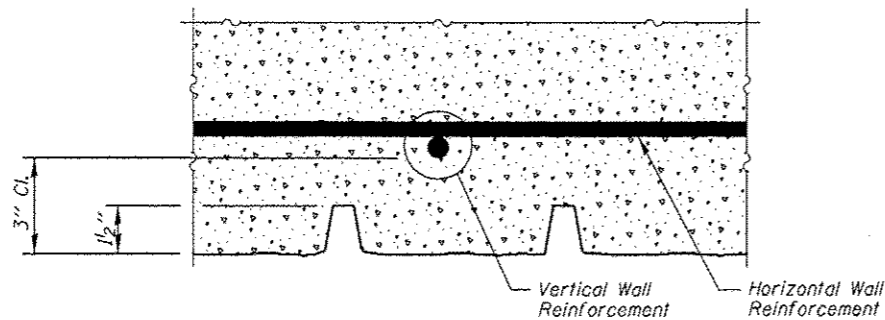
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SHEET NO. SC-12 OF SC-17 SHEETS				CONTRACT NO. 60P42
ILLINOIS FED. AID PROJECT				



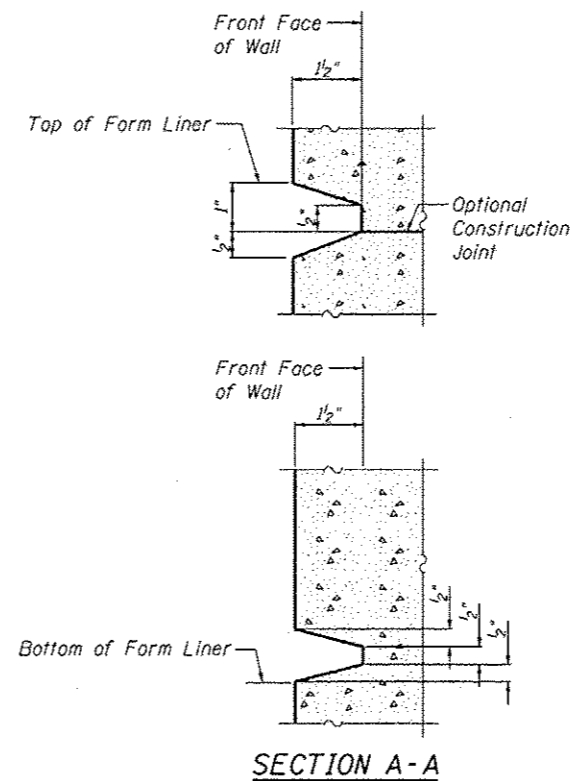
**ELEVATION - FORM LINER**



**END FORM LINER FINISH**



**PLAN - FORM LINER**



**FORM LINER ELEVATION TABLE**

Station	Form Liner Top Elevation	Form Liner Bottom Elevation
3965+05.35	None	None
3965+09.65	697.00	696.50
3965+22.16	697.00	690.74
3965+32.01	697.00	689.62
3965+58.91	697.00	686.62
3965+88.90	697.00	687.20
3966+19.40	697.00	687.77
3966+49.96	697.00	688.35
3966+80.53	697.00	689.08
3967+00.00	697.00	689.54
3967+11.11	697.08	689.81
3967+41.70	697.31	690.54
3967+72.30	697.53	691.26
3968+02.71	697.75	691.98
3968+32.70	697.98	692.70
3968+62.69	698.20	693.41
3968+92.68	698.43	694.13
3969+22.66	698.65	694.84
3969+52.65	698.88	695.55
3969+82.64	699.10	696.27
3970+11.97	699.33	696.98
3970+41.31	699.55	697.67
3970+70.66	699.78	698.37
3970+96.09	700.00	698.97
3971+00.00	None	None

**ARCHITECTURAL FINISH DETAILS  
SN 022-W046**

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

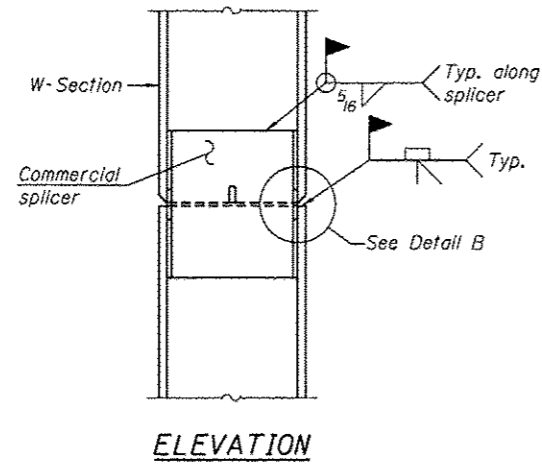
**ARCHITECTURAL FINISH DETAILS  
STA. 3965+05.35 TO STA. 3971+00.00 SN 022-W046**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	66
CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				

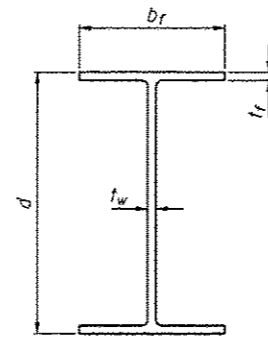
SHEET NO. SC-13 OF SC-17 SHEETS

**ZROKA** engineering  
Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

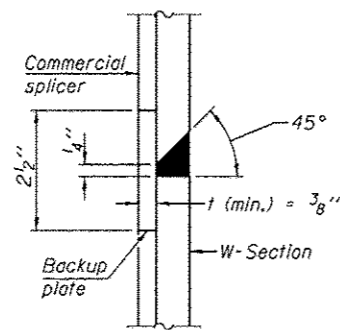
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PLOT DATE = 5/4/2012	DRAWN - SAW	REVISED -
	CHECKED - LAS	REVISED -



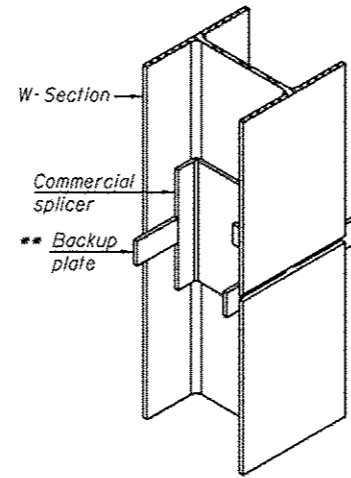
ELEVATION



Designation	Depth d	Flange width b <sub>f</sub>	Flange thickness t <sub>f</sub>	Web thickness t <sub>w</sub>	Encasement diameter A
W33x141	33 1/4"	11 1/2"	1 5/16"	5/8"	42"

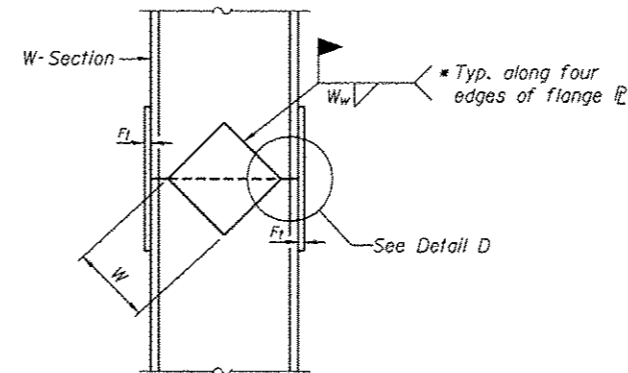


DETAIL "B"

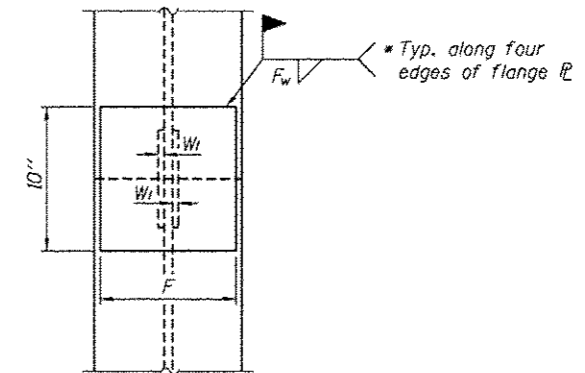


ISOMETRIC VIEW

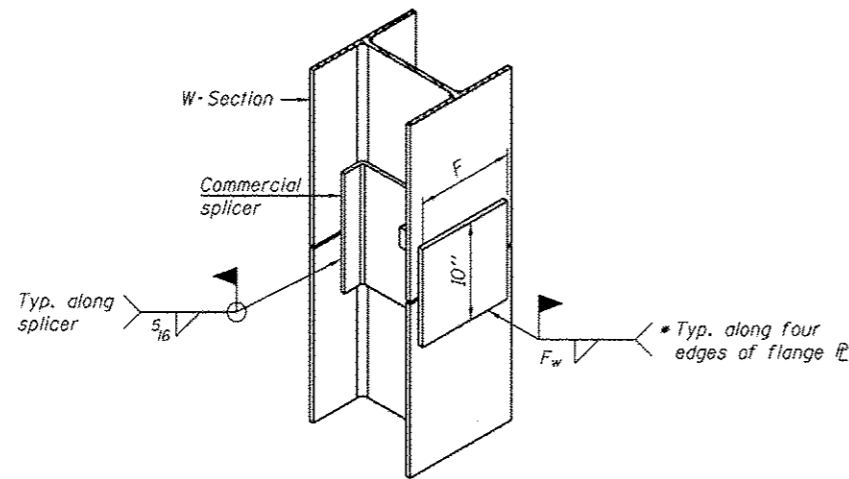
WELDED COMMERCIAL SPLICE



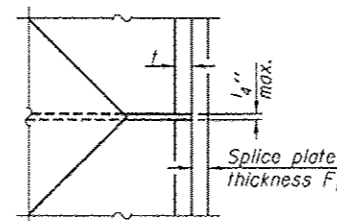
ELEVATION



END VIEW



ISOMETRIC VIEW



DETAIL D

Designation	F	F <sub>1</sub>	F <sub>w</sub>	W	W <sub>1</sub>	W <sub>w</sub>
W33x141	9"	1 1/4"	1"	21"	5/8"	1/2"

WELDED PLATE FIELD SPLICE

WELDED COMMERCIAL SPLICE ALTERNATE

- \* Interrupt welds 1/4" from end of web and/or each flange.
- \*\* Remove portions of backup plates that extend outside the flanges.

Note:  
The steel W-Sections shall be according to AASHTO M270 Grade 36.

PILE SPLICE DETAILS  
SN 022-W046

FILE NAME: ... \SP42-W046-01-PlateSpliceDetail.dgn

USER NAME = SAW	DESIGNED - LAS	REVISED -
	CHECKED - DAZ	REVISED -
PLOT SCALE = 0.1667' / 1"	DRAWN - SAW	REVISED -
PLOT DATE = 5/4/2012	CHECKED - LAS	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	67
CONTRACT NO. 60P42			ILLINOIS FED. AID PROJECT	

**BORING LOG RW-13**

**BORING LOG RW-14**

**BORING LOG RW-15**

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 600 American Court, Suite 204 Naperville, Illinois 60563 (630) 355-3438		SOIL BORING LOG		PAGE 1 of 1	
ROUTE II, Route 59 (FAP 338)		DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road		DATE 1/10/2011	
SECTION (112 & 113) WRS-5		LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N. RNG. 9E, Naperville Township		LOGGED BY RJ	
COUNTY DuPage		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE CME Automatic	
STRUCT. NO. 022-W046		Surface Water Elev. n/a		DEPT H S Qu T	
Station: 3965+21 to 3971+20		Stream Bed Elev. n/a		B L U C M	
BORING NO. RW-13		Groundwater Elevation:		O I S T	
Station: 3965+21 IL RTE-59		First Encounter 672.3		H S Qu T	
Offset: 49.5' Left		Upon Completion 678.3		(ft) (/ft) (tsf) (%)	
Ground Surface Elev. 686.3		After Hrs.			
SAND & GRAVEL-brown		SAND & GRAVEL-gray-dense (A-1)			
CLAY-brown & gray-hard (A-6) Fill					
SANDY CLAY LOAM with Fractured Rock-gray-dense to very dense (A-2)					
CLAY-gray-stiff to very stiff (A-6)					
CLAY-brown & gray-hard (A-6)					
CLAY-gray-stiff to hard (A-6)					
SAND & GRAVEL-gray-dense (A-1)					

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 600 American Court, Suite 204 Naperville, Illinois 60563 (630) 355-3438		SOIL BORING LOG		PAGE 1 of 1	
ROUTE II, Route 59 (FAP 338)		DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road		DATE 1/8/2011	
SECTION (112 & 113) WRS-5		LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N. RNG. 9E, Naperville Township		LOGGED BY RJ	
COUNTY DuPage		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE CME Automatic	
STRUCT. NO. 022-W046		Surface Water Elev. n/a		DEPT H S Qu T	
Station: 3965+21 to 3971+20		Stream Bed Elev. n/a		B L U C M	
BORING NO. RW-14		Groundwater Elevation:		O I S T	
Station: 3965+24 IL RTE-59		First Encounter 676.3		H S Qu T	
Offset: 62.0' Left		Upon Completion 674.3		(ft) (/ft) (tsf) (%)	
Ground Surface Elev. 694.3		After Hrs.			
CLAY LOAM with Stone-dark brown & gray-hard (A-6) Fill		CLAY-gray-stiff to hard (A-6)			
SAND & GRAVEL-brown-medium dense (A-1)					
CLAY-brown & gray-hard (A-6)					
CLAY-gray-stiff to very stiff (A-6)					
SANDY LOAM with Fractured Rock-gray-very dense (A-2)					
SAND & GRAVEL-gray-medium dense (A-1)					

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 600 American Court, Suite 204 Naperville, Illinois 60563 (630) 355-3438		SOIL BORING LOG		PAGE 1 of 1	
ROUTE II, Route 59 (FAP 338)		DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road		DATE 1/7/2011	
SECTION (112 & 113) WRS-5		LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N. RNG. 9E, Naperville Township		LOGGED BY RJ	
COUNTY DuPage		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE CME Automatic	
STRUCT. NO. 022-W046		Surface Water Elev. n/a		DEPT H S Qu T	
Station: 3965+21 to 3971+20		Stream Bed Elev. n/a		B L U C M	
BORING NO. RW-15		Groundwater Elevation:		O I S T	
Station: 3968+85 IL RTE-59		First Encounter 675.6		H S Qu T	
Offset: 65.0' Left		Upon Completion 673.6		(ft) (/ft) (tsf) (%)	
Ground Surface Elev. 695.6		After Hrs.			
TOPSOIL-black		CLAY-gray-stiff to hard (A-6)			
CLAY-brown & gray-very stiff to hard (A-6)		SAND-brown & gray-medium dense (A-3)			
CLAY-gray-stiff to hard (A-6)		SAND, GRAVEL & FRACTURED ROCK-gray-medium dense (A-1)			
CLAY-gray-stiff to hard (A-6)		SANDY LOAM with Fractured Rock-gray-very dense (A-2)			
CLAY-gray-stiff to hard (A-6)		End Of Boring @ -35.0' Hollow Stem Augers CME Automatic Hammer			

FILE NAME: ...ASBP02-W046-015-BoringLog.dgn



USER NAME = SAW	DESIGNED - LAS	REVISIONS
PLOT SCALE = 2.00" / IN.	CHECKED - DAZ	REVISIONS
PLOT DATE = 5/4/2012	DRAWN - SAW	REVISIONS
	CHECKED - LAS	REVISIONS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS 1  
STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046


F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 68
CONTRACT NO. 60P42			[ILLINOIS] FED. AID PROJECT	

BORING LOGS 1  
SN 022-W046

SHEET NO. SC-15 OF SC-17 SHEETS




**BORING LOG NW-01**

 <b>Geo Services Inc.</b> Geotechnical Engineering & Soil Engineering 600 North Hermitage, Chicago, IL 60613 (773) 331-1100		<b>SOIL BORING LOG</b>		PAGE 1 of 3 DATE 12/28/2010 LOGGED BY MJ CSI JOB No. 09173
ROUTE <u>B, Route 59 (IAP 338)</u>		DESCRIPTION <u>Along Route 59-Aurora Avenue/low York Street To Ferry Road</u>		
SECTION <u>(112 &amp; 113) WRS-S</u>		LOCATION <u>SEC. 3, 9-10, 15-16, 21-22 TWP. 38N. R10E. 9E, Naperville Township</u>		
COUNTY <u>DuPage</u>		DRILLING METHOD <u>Hollow Stem Auger</u> HAMMER TYPE <u>CME Automatic</u>		
STRUCT. NO. <u>XX</u>		Surface Water Elev. <u>n/a</u>		
Station: <u>3971+25 to 3973+55</u>		Stream Bed Elev. <u>n/a</u>		
BORING NO. <u>NW-01</u>		Groundwater Elevation:		
Station: <u>3971+50 R RTE-59</u>		First Encounter <u>Dry</u>		
Offset: <u>61.0' left</u>		Upon Completion <u>Dry</u>		
Ground Surface Elev. <u>700.1</u>		After _____ Hrs.		
S.D. TOPSOIL - <u>None</u>		(ft) / (6") (1sf) (%)		(ft) / (6") (1sf) (%)
699.7		1 2 3 4 5 6 7	37 85 24	
SILTY CLAY-dark brown to black- very stiff (A-6)				
697.1		1 2 3 4 5 6 7	98 26 23 108 19	
CLAY-brown & gray- stiff to hard (A-6)				
689.6		1 2 3 4 5 6 7 8 9 10	111 18 18 115 17	
CLAY-gray-very stiff to hard (A-6)				
End Of Boring @ -20.0' Hollow Stem Augers CME Automatic Hammer		1 2 3 4 5 6 7 8 9 10	109 13 13	
680.1		1 2 3 4 5 6 7 8 9 10	13 13	

The unconfined compressive strength (UCS) failure mode is indicated by (S-Bulge, S-Shear, R-Compression). S1-S Shelby Tube Sample. S2-Sherby Tube Sample. S3-Sherby Tube Sample. The SPT (blow count) is the sum of the last two blow counts in each sampling zone (ASTM D 1586). The Unit Dry Weight (UDW) is noted in tables above (pcf) or (kN/m<sup>3</sup>) if necessary.

**BORING LOGS 3**  
**SN 022-W046**

FILE NAME: ...ABP-12-W246-017-Boring-log3.dgn

 ZROKA Engineering 7zoka Engineering, P.C. 4216 North Hermitage Chicago, IL 60613	USER NAME = SAW	DESIGNED - LAS	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>BORING LOGS 3</b> <b>STA. 3965 + 05.35 TO STA. 3971 + 00.00 SN 022-W046</b>	F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 70
	PLOT SCALE = 2.00" / IN.	DRAWN - SAW	REVISED -			CONTRACT NO. 60P42				
	PLOT DATE = 5/4/2012	CHECKED - LAS	REVISED -			SHEET NO. SC-17 OF SC-17 SHEETS				

ILLINOIS FED. AID PROJECT

200 STA 3965+69.3, 87.0 LT  
 TEMPORARY MANHOLE, 5' DIA.  
 TYPE 1 FRAME, CLOSED LID  
 RIM EL 699.17  
 INV EL 691.90 (N) 30"  
 INV EL 691.90 (E) 30"  
 INV EL 692.10 (W) 12"

202 STA 3969+95.9, 82.0 LT  
 TEMPORARY MANHOLE, 5' DIA.  
 TYPE 1 FRAME, CLOSED LID  
 RIM EL 699.72  
 INV EL 692.33 (E) 30"  
 INV EL 692.33 (S) 30"

204 STA 3963+91.2, 70.6 LT  
 EXISTING MANHOLE, 5' DIA.  
 RIM EL 696.91  
 INV EL 691.73 (N) 30"  
 INV EL 691.73 (S) 30"

206 STA 3971+92.9, 43.4 LT  
 EXISTING MANHOLE, 5' DIA.  
 RIM EL 701.64  
 INV EL 692.51 (N) 30"  
 INV EL 692.51 (S) 30"

200 14' - 30" P CUL CL C TY 1 TEMP @ 0.10%  
 201 149' - 30" P CUL CL C TY 1 TEMP @ 0.10%  
 202 269' - 30" P CUL CL C TY 1 TEMP @ 0.10%  
 203 28' - 30" P CUL CL C TY 2 TEMP @ 0.10%

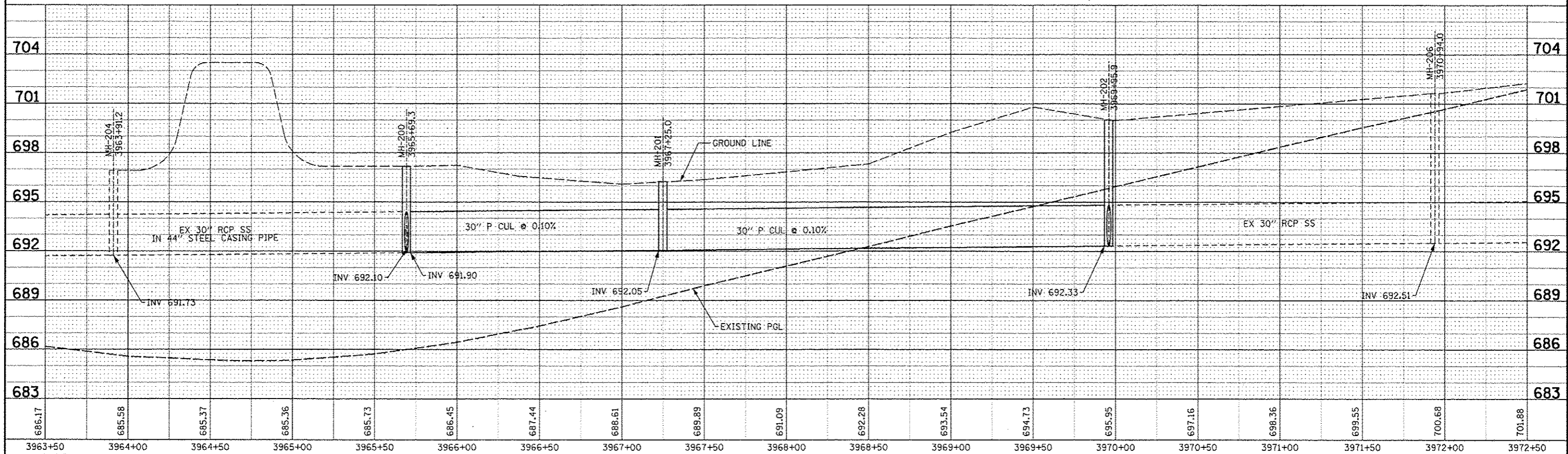
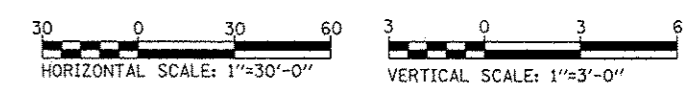
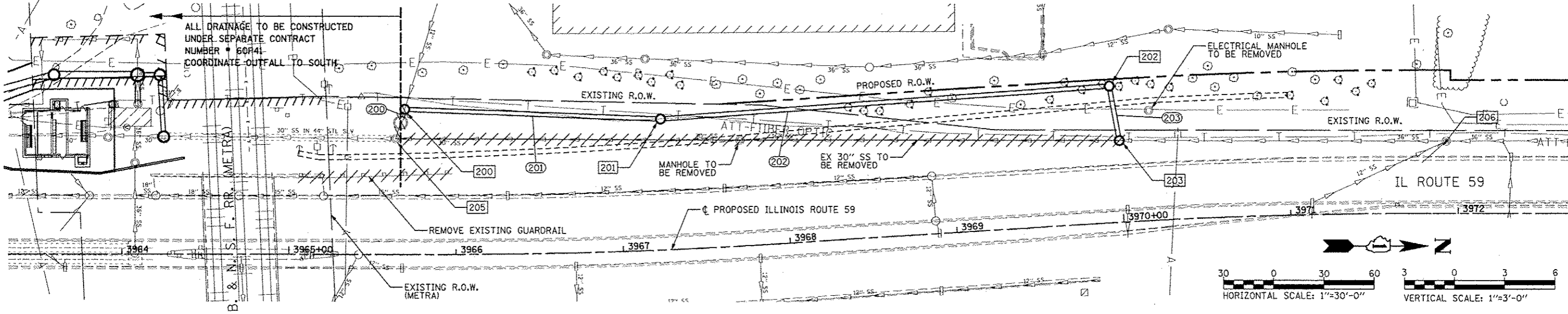
REMOVING MANHOLES  
 3967+71.8, 63.5 LT  
 3970+19.0, 66.1 LT

STORM SEWER REMOVAL - 12"  
 STA 3965+65.0 TO 3965+70 - 19'  
 STORM SEWER REMOVAL - 30"  
 STA 3965+66.4 TO 3969+97.3 - 428'  
 REMOVING GUARDRAIL  
 STA 3965+06.4 TO 3965+97.7 - 92'

201 STA 3967+25.0, 78.5 LT  
 TEMPORARY MANHOLE, 5' DIA.  
 TYPE 1 FRAME, CLOSED LID  
 RIM EL 695.70  
 INV EL 692.05 (N) 30"  
 INV EL 692.05 (S) 30"

203 STA 3970+00.0, 49.0 LT  
 TEMPORARY MANHOLE, 5' DIA.  
 TYPE 1 FRAME, CLOSED LID  
 RIM EL 697.30  
 INV EL 692.36 (W) 30"  
 INV EL 692.36 (N) 30"

205 STA 3965+63.9, 69.4 LT  
 EXISTING MANHOLE, 5' DIA.  
 RIM EL 696.20  
 INV EL 691.90 (N) 30"  
 INV EL 691.90 (S) 30"



FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE PLAN / PROFILE - SN 022-W046 STAGE 1		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE		DATE	REVISED		SCALE: AS SHOWN SHEET NO. 1 OF 2 SHEETS STA. 3963+50 TO STA. 3972+50			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

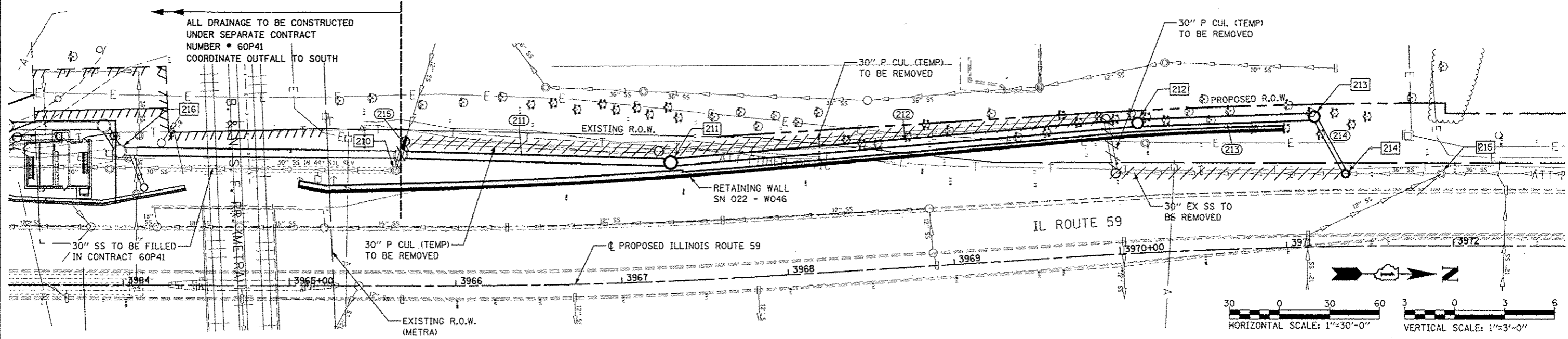
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 CHECKED BY: [ ]  
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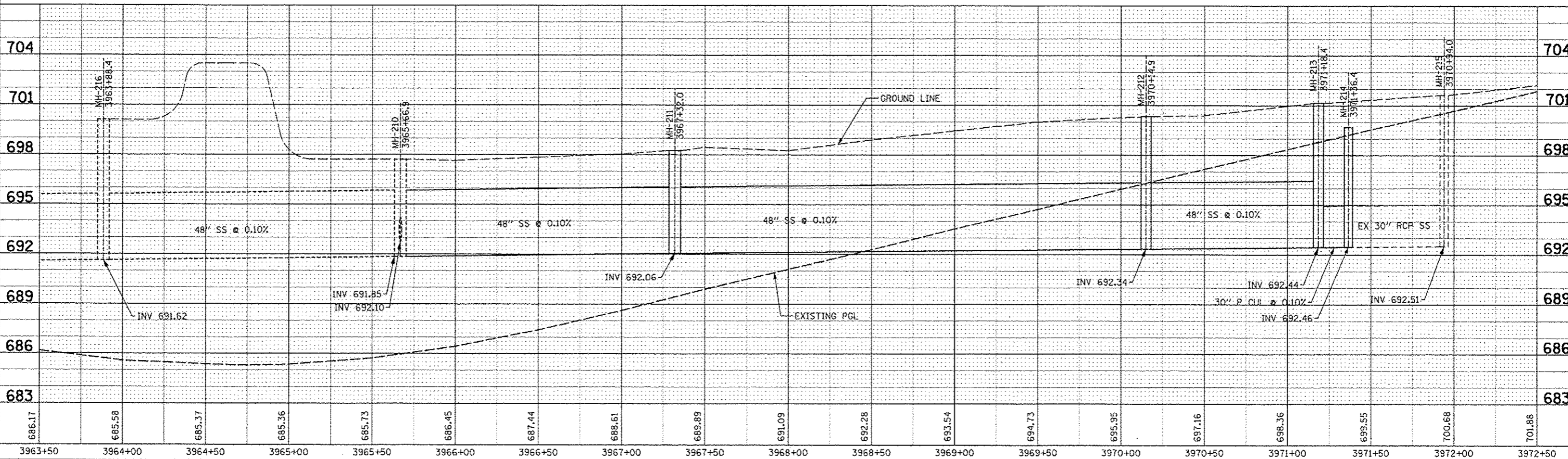
- [210] STA 3965+66.9, 79.0 LT EXISTING MANHOLE, 7' DIA. RIM EL 698.00 INV EL 691.85 (N) 48" INV EL 691.85 (S) 48" INV EL 777.77 (W) 7"
- [211] STA 3967+32.0, 71.5 LT MANHOLE TYPE A, 7' DIA. TYPE 1 FRAME, CLOSED LID RIM EL 698.38 INV EL 692.06 (N) 48" INV EL 692.06 (S) 48"
- [212] STA 3970+15.0, 78.5 LT MANHOLE TYPE A, 6' DIA. TYPE 1 FRAME, CLOSED LID RIM EL 700.33 INV EL 692.34 (N) 48" INV EL 692.34 (S) 48"
- [213] STA 3971+18.0, 78.5 LT MANHOLE TYPE A, 6' DIA. TYPE 1 FRAME, CLOSED LID RIM EL 701.15 INV EL 692.44 (S) 48" INV EL 692.44 (NE) 30"
- [214] STA 3971+36.0, 43.8 LT MANHOLE TYPE A, 5' DIA. TYPE 1 FRAME, CLOSED LID RIM EL 699.68 INV EL 692.46 (SW) 30" INV EL 692.46 (N) 30"
- [215] STA 3971+92.9, 43.4 LT EXISTING MANHOLE, 5' DIA. RIM EL 701.64 INV EL 692.51 (N) 30" INV EL 692.51 (S) 30"
- [216] STA 3963+88.4, 64.5 LT EXISTING MANHOLE, 5' DIA. RIM EL 701.64 INV EL 691.62 (W) 48" INV EL 691.62 (N) 48"
- [211] 158' - 48" SS CLASS A, TYPE 1 @ 0.10%
- [212] 277' - 48" SS CLASS A, TYPE 1 @ 0.10%
- [213] 102' - 48" SS CLASS A, TYPE 2 @ 0.10%
- [214] 34' - 30" P CUL CL C TY 2 TEMP @ 0.10%
- [215] 8' - 12" SS CL A TY 2 @ 0.10%

STORM SEWER REMOVAL - 30"  
 STA 3970+03.0 TO 3971+39.9 - 138'

DATE	
BY	
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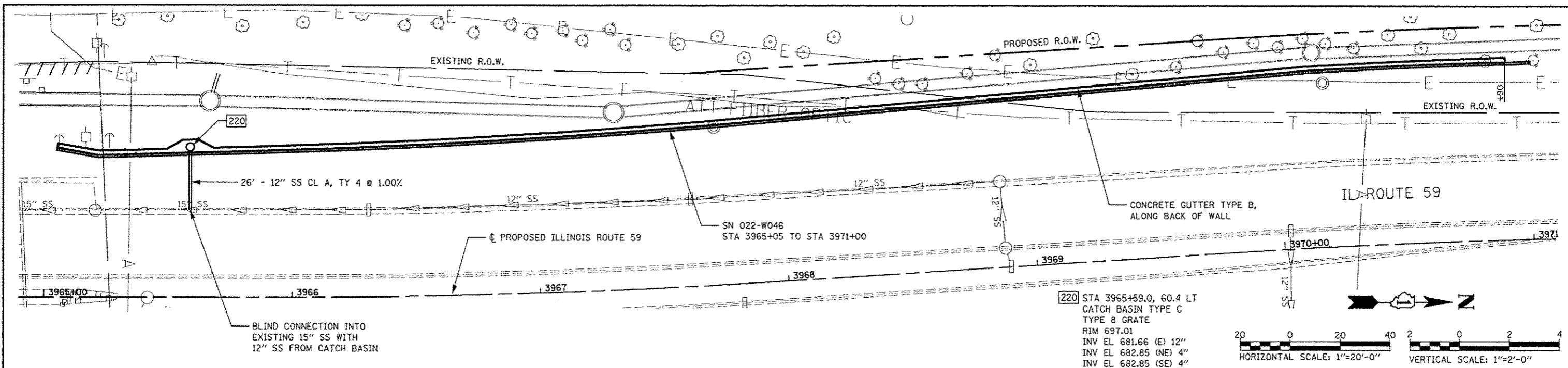
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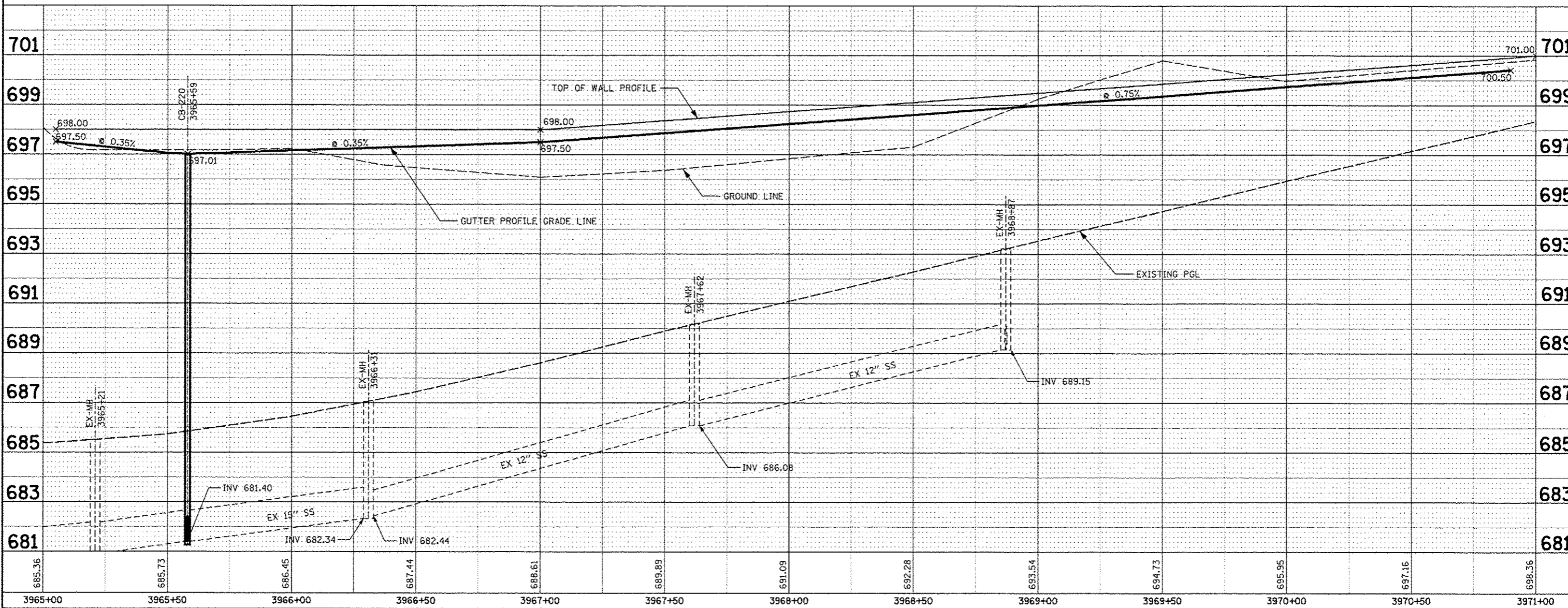
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PLOT DATE - #DATE#		DATE 05-11-12	REVISED			SCALE: AS SHOWN SHEET NO. 2 OF 2 SHEETS STA. 3963+50 TO STA. 3972+50 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



PLAN	DATE
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PROJECT NAME	
DATE	



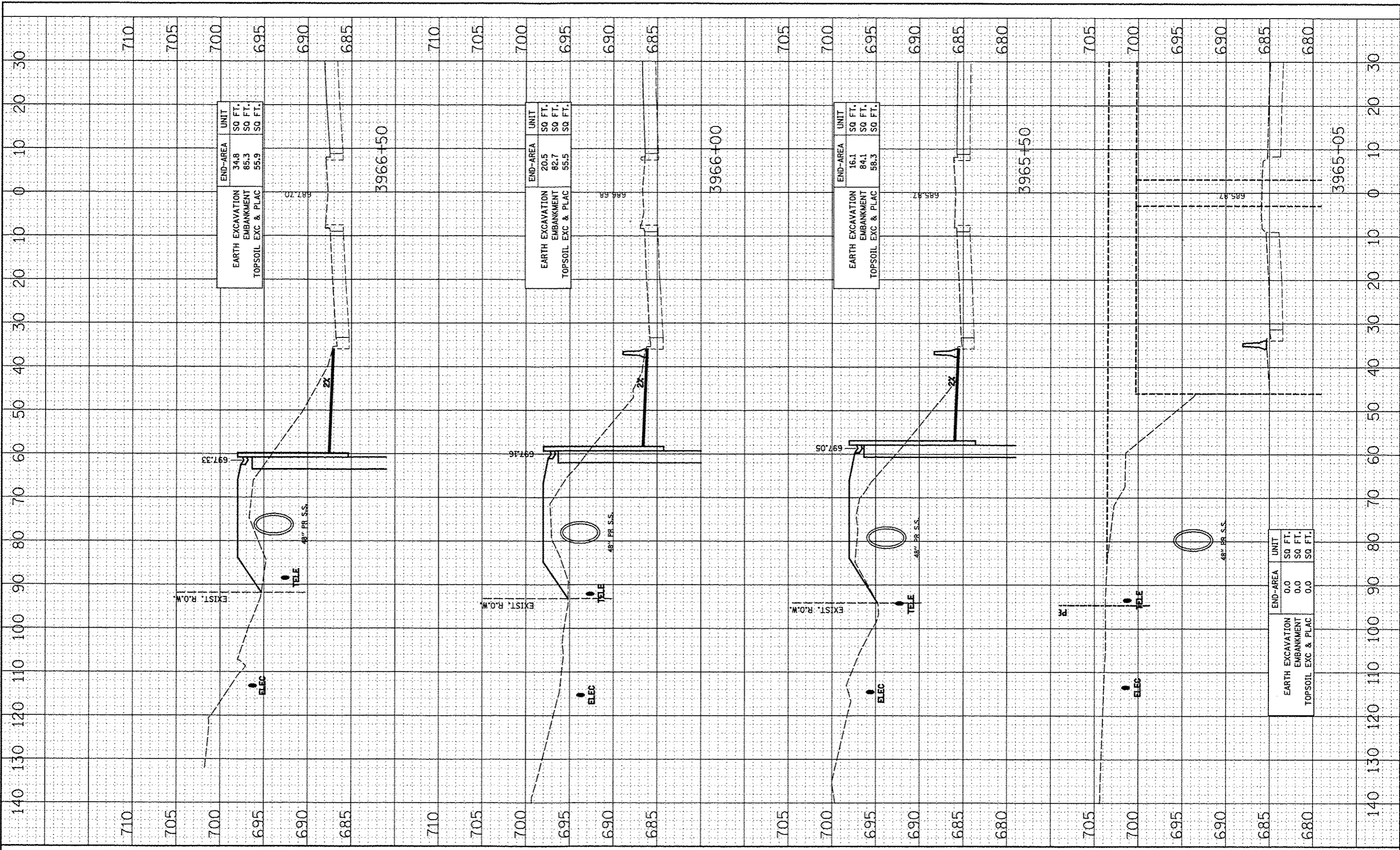
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NO. OF THIS SHEET	
PROJECT NAME	
DATE	



FILE NAME	USER NAME	DESIGNED - NAV	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SN 022-W046 CONCRETE GUTTER, TYPE B PLAN / PROFILE</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE	#DATE#	DATE - 05-11-12	REVISED			SCALE: AS SHOWN SHEET NO. 1 OF 1 SHEETS STA. 3965+00 TO STA. 3971+00					

FINAL SURVEY	DATE
SURVEY	BY
PLOTTED	
NOTE BOOK	
AREA CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEY	BY
PLOTTED	
NOTE BOOK	
AREA CHECKED	
NO.	



END-AREA		UNIT	
EARTH EXCAVATION	34.8	SQ FT.	
EMBANKMENT	85.3	SQ FT.	
TOPSOIL EXC & PLAC	55.9	SQ FT.	

END-AREA		UNIT	
EARTH EXCAVATION	20.5	SQ FT.	
EMBANKMENT	82.7	SQ FT.	
TOPSOIL EXC & PLAC	55.5	SQ FT.	

END-AREA		UNIT	
EARTH EXCAVATION	16.1	SQ FT.	
EMBANKMENT	84.1	SQ FT.	
TOPSOIL EXC & PLAC	58.3	SQ FT.	

END-AREA		UNIT	
EARTH EXCAVATION	0.0	SQ FT.	
EMBANKMENT	0.0	SQ FT.	
TOPSOIL EXC & PLAC	0.0	SQ FT.	

FILE NAME: #FILE#

USER NAME: #USER#

DESIGNED: NAV

DRAWN: KES

CHECKED: PJ0

DATE: 05-11-12

REVISIONS:

REVISIONS	DATE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

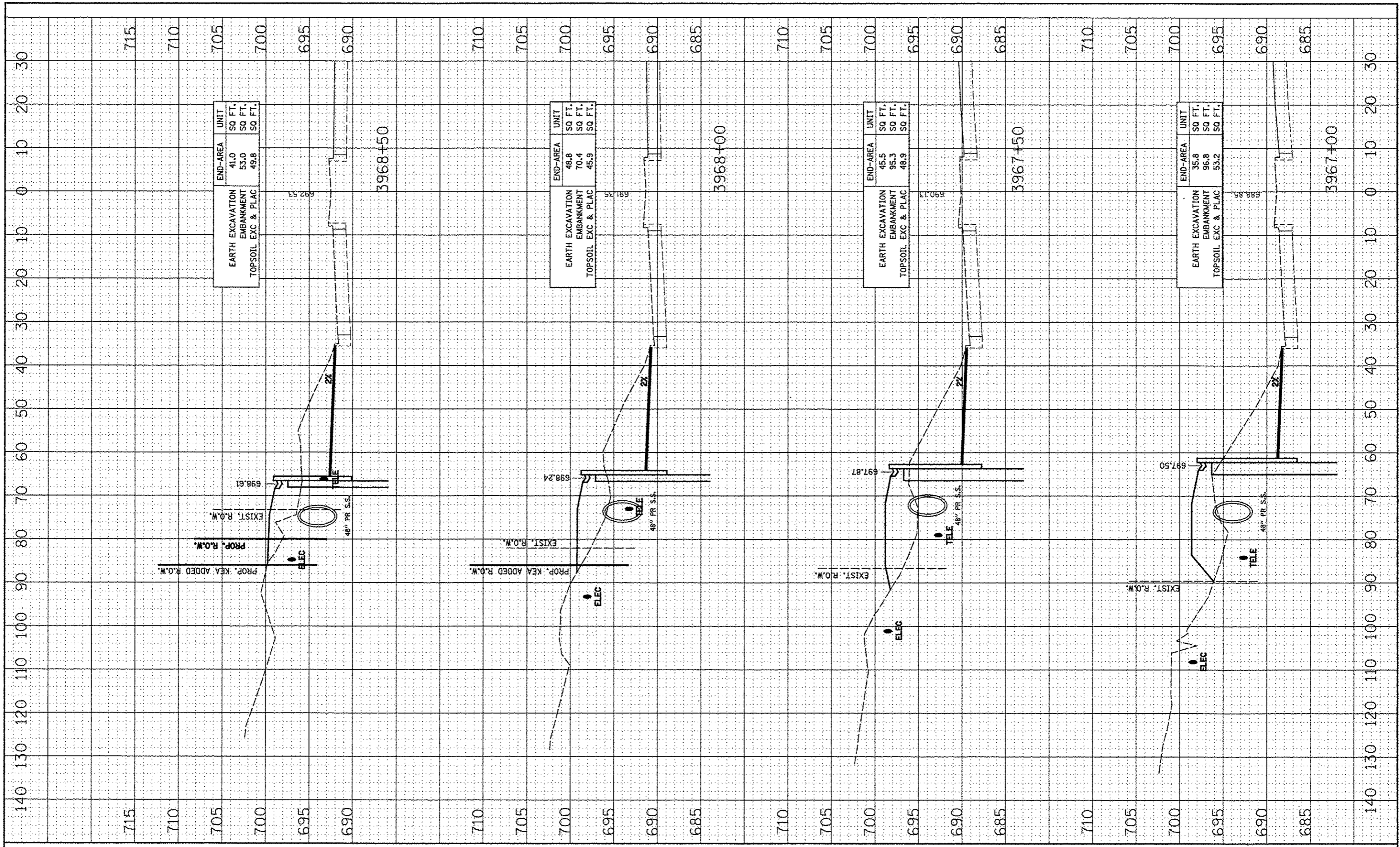
SN 022-W046  
CROSS-SECTIONS

SCALE: SHEET NO. 1 OF 4 SHEETS STA. 3965+00 TO STA. 3966+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	74
CONTRACT NO. 60P42				

DATE	
BY	
FINISHED SURVEY	
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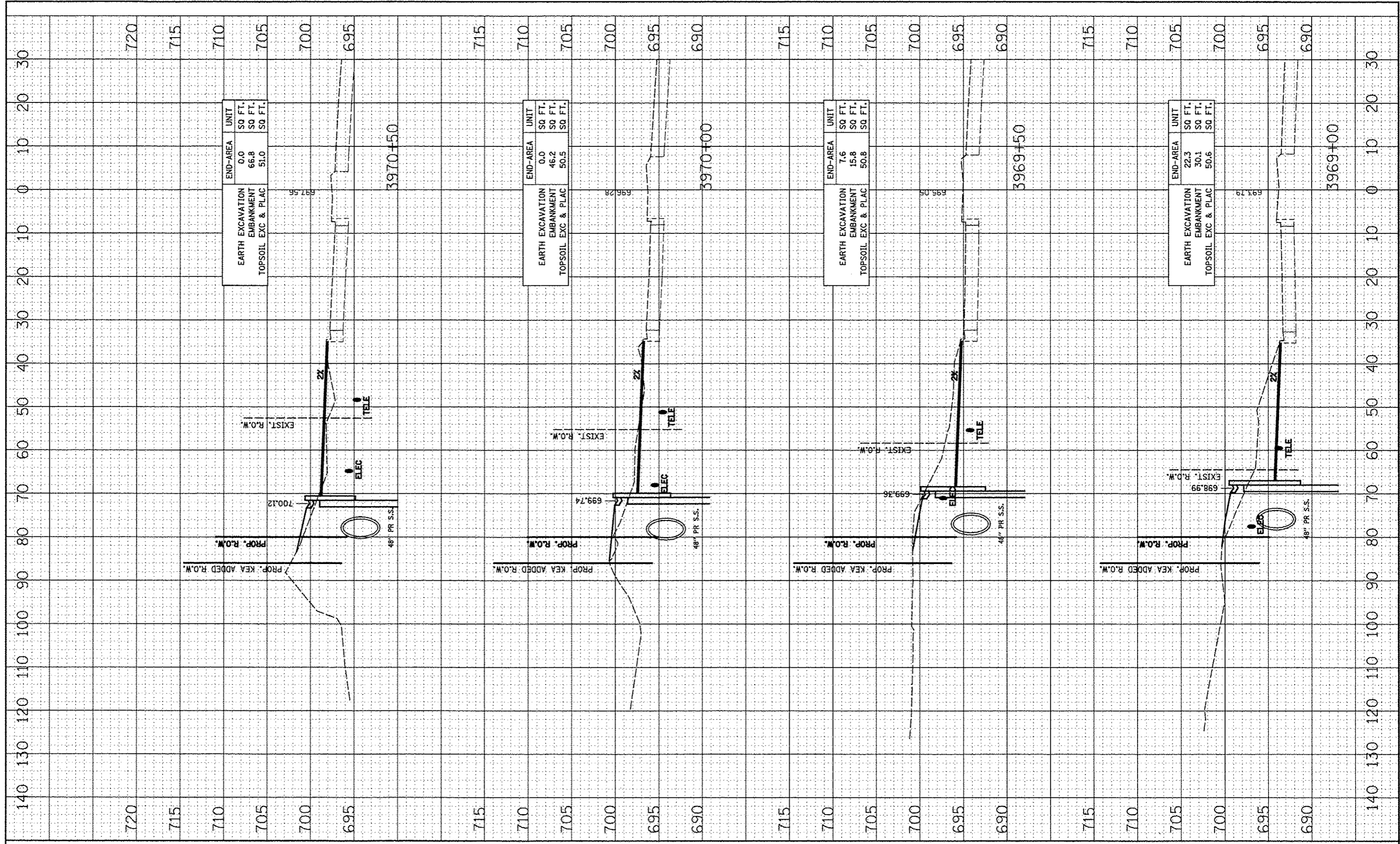
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ORIGINAL SURVEY	
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AREAS CHECKED	



FILE NAME : #FILE#	USER NAME : #USER#	DESIGNED - NAV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 022-W046 CROSS-SECTIONS	F.A.P. RTE. 338	SECTION 2011-036-I	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 75
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		CHECKED - PJO	REVISED -			ILLINOIS FED. AID PROJECT				
		DATE - 05-11-12	REVISED -			SCALE: SHEET NO. 2 OF 4 SHEETS STA. 3967+00 TO STA. 3968+50				

FINISH SURVEY BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEY PLOTTED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 AREAS CHECKED: \_\_\_\_\_

ORIGINAL SURVEY BY \_\_\_\_\_ DATE \_\_\_\_\_  
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 AREAS CHECKED: \_\_\_\_\_



FILE NAME :  
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USER NAME : #USER#  
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DESIGNED - NAV  
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 CHECKED - PJO  
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

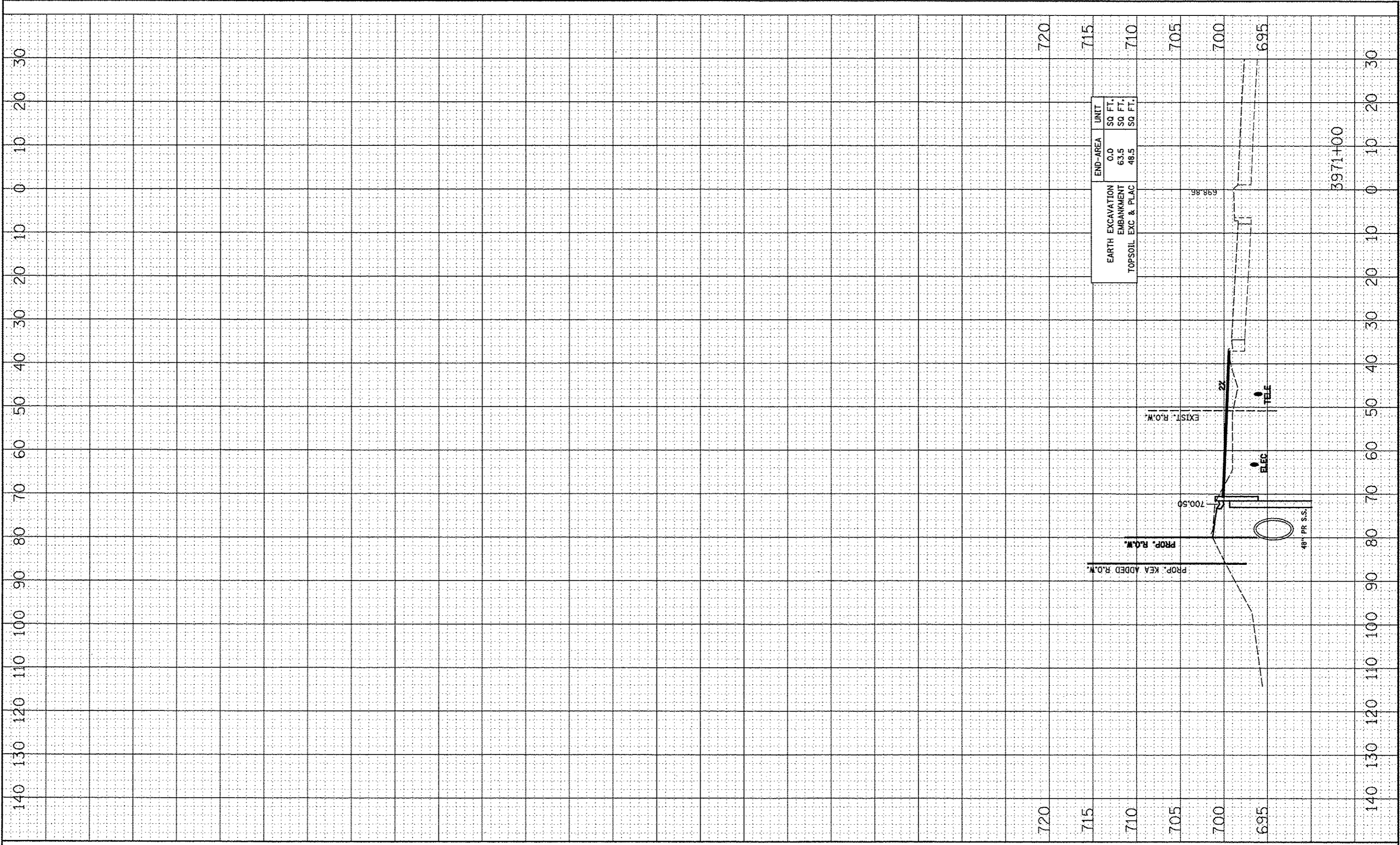
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 SHEET NO. 3 OF 4 SHEETS STA. 3969+00 TO STA. 3970+50

**SN 022-W046**  
**CROSS-SECTIONS**

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 76
FED. ROAD DIST. NO. _____			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60P42				

FINAL SURVEY	DATE
SURVEYED	
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ORIGINAL SURVEY	DATE
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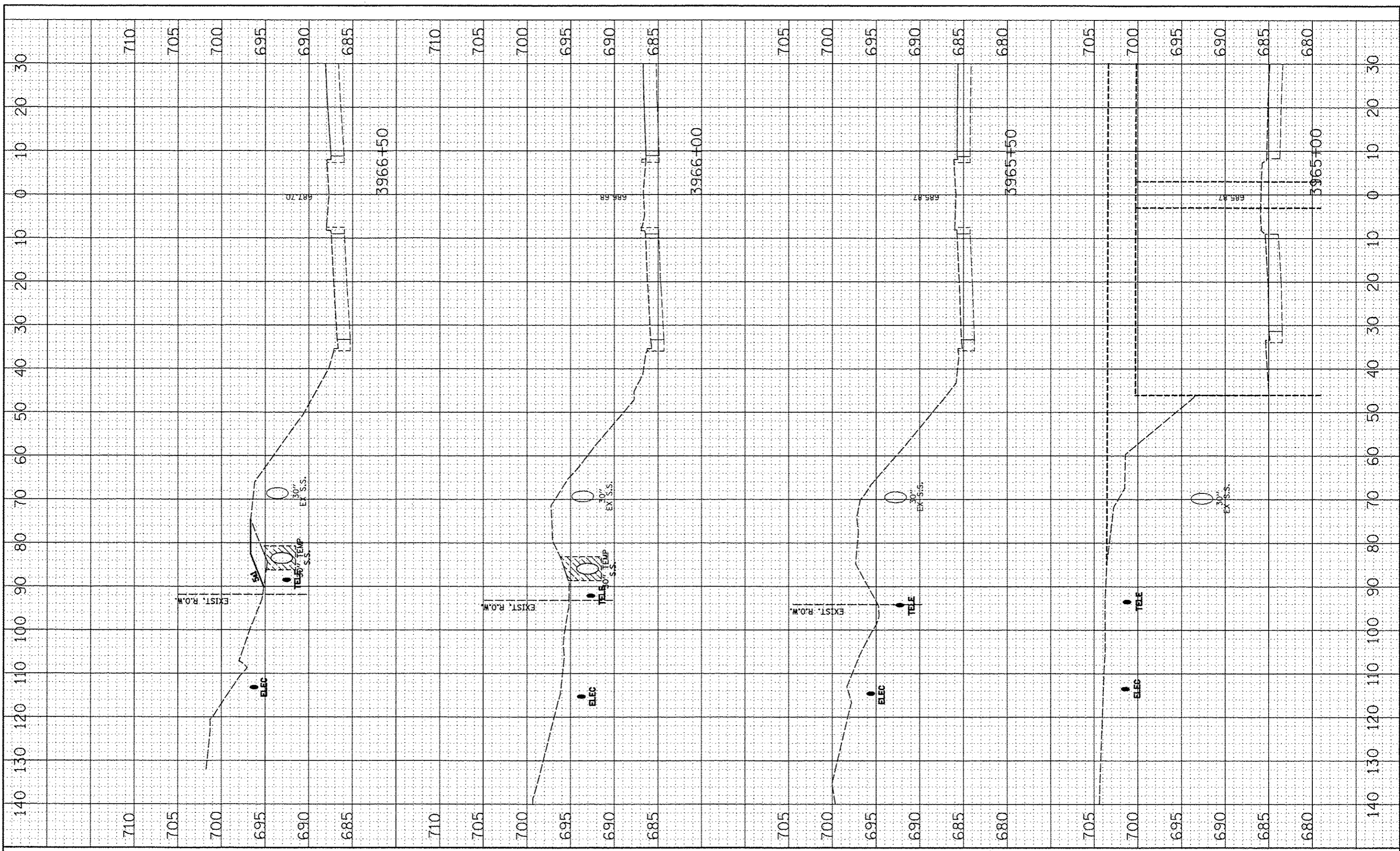


END-AREA	UNIT
EARTH EXCAVATION	SQ. FT.
EMBANKMENT	SQ. FT.
TOPSOIL EXC & PLAC	SQ. FT.

FILE NAME #FILE#	USER NAME - #USER#	DESIGNED - NAV	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 022-W046 CROSS-SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	DATE - 05-11-12	REVISED -		SCALE:	SHEET NO. 4 OF 4 SHEETS	STA. 3971+00 TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	



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DESIGNED: NAV  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

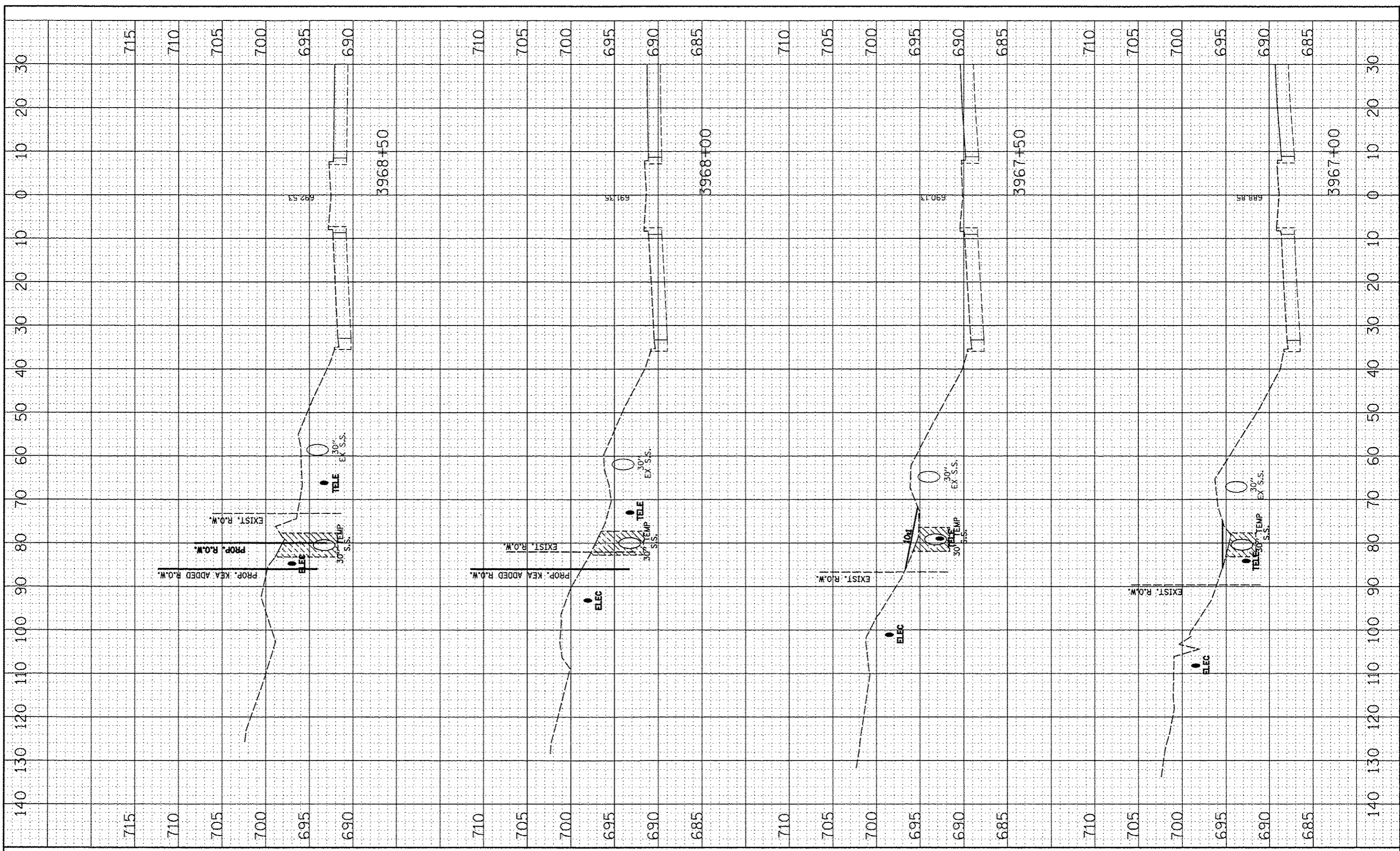
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SN 022-W046  
 DRAINAGE STAGE 1 - CROSS-SECTIONS

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 78
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60P42				

DATE	BY

DATE	BY



FILE NAME \*  
#FILE#

USER NAME = #USER#  
DESIGNED - NAV  
DRAWN - KES  
CHECKED - PJO  
DATE - 05-11-12

DESIGNED - NAV  
DRAWN - KES  
CHECKED - PJO  
DATE - 05-11-12

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SN 022-W046  
DRAINAGE STAGE 1 - CROSS-SECTIONS**

SCALE: SHEET NO. 2 OF 4 SHEETS STA. 3967+00 TO STA. 3968+50

F.A.P. RTE. 33B	SECTION 2011-036-I	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 79
CONTRACT NO. 60P42			ILLINOIS FED. AID PROJECT	

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

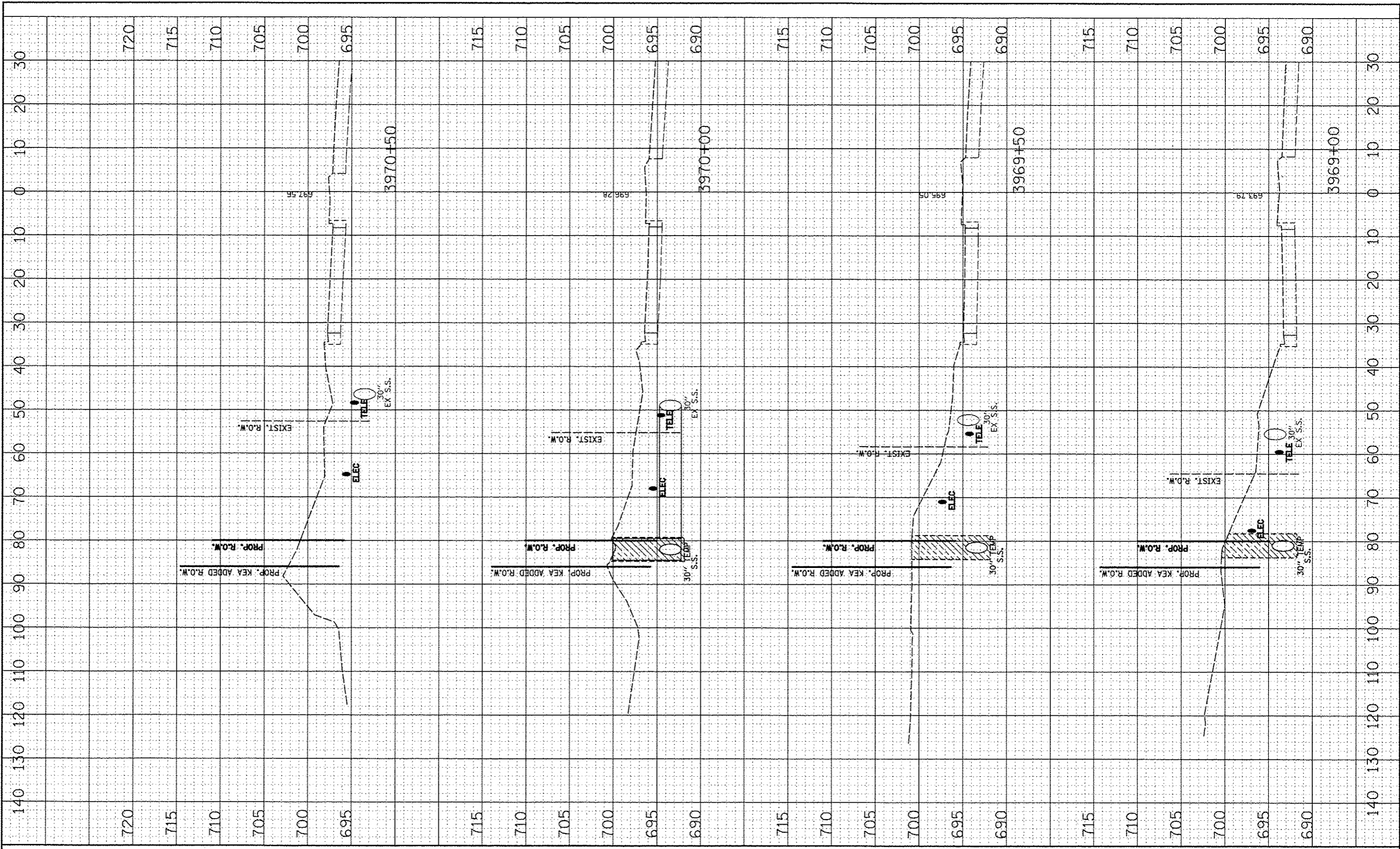
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ORIGINAL SURVEY PLOTTED AREAS CHECKED

BY: \_\_\_\_\_ DATE: \_\_\_\_\_

ORIGINAL SURVEY PLOTTED AREAS CHECKED

FINAL SURVEY PLOTTED AREAS CHECKED



FILE NAME: \_\_\_\_\_

#FILE#

USER NAME: CUSERS

DESIGNED: MAV

DRAWN: KES

CHECKED: PJ

DATE: 05-11-12

REVISED: \_\_\_\_\_

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SN 022-W046  
DRAINAGE STAGE 1 - CROSS-SECTIONS

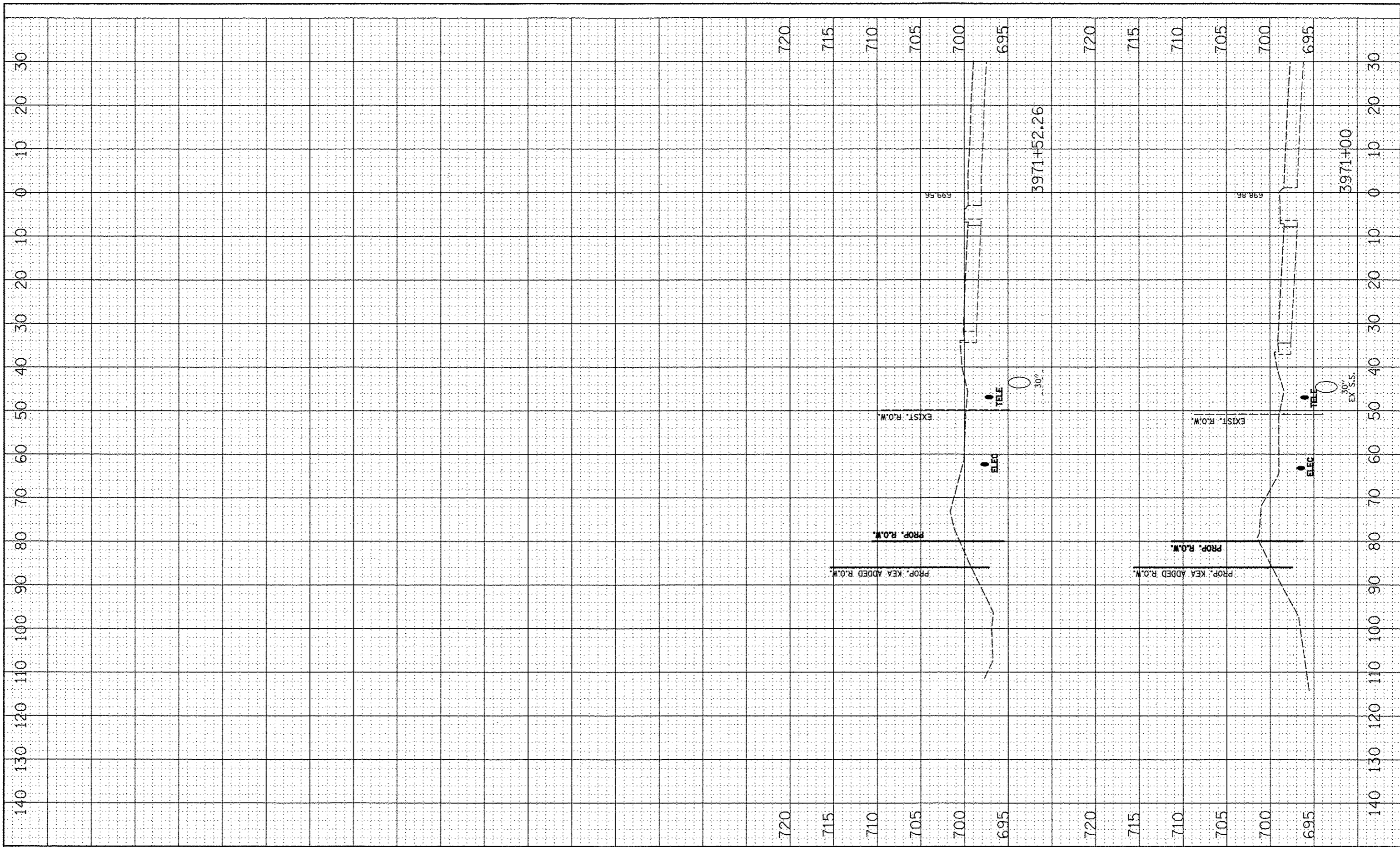
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F.A.P. RTE. 338	SECTION 2011-036-T	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 80
CONTRACT NO. 60P42				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FINAL SHEET	DATE
DESIGNED	
DRAWN	
CHECKED	
DATE	

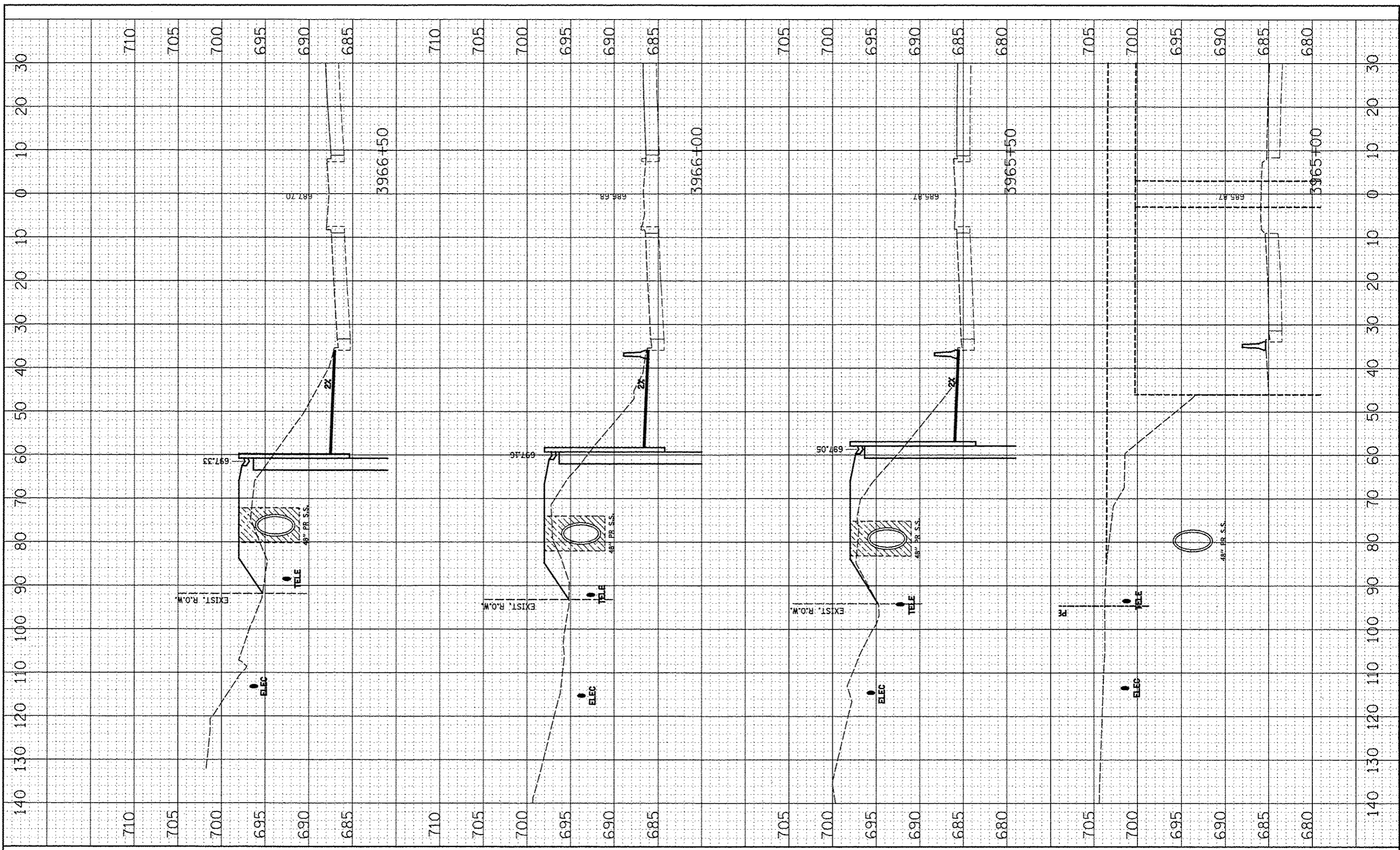
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DESIGNED	
DRAWN	
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DATE	



FILE NAME	USER NAME - SUDITHS	DESIGNED - NAV	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SN 022-W046 DRAINAGE STAGE 1 - CROSS-SECTIONS</b>			F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 81
SHEET #		DRAWN - KES	REVISED -		SCALE:	SHEET NO. 4 OF 4 SHEETS	STA. 3971+00 TO STA. 3971+52.26	CONTRACT NO. 60P42				
		CHECKED - PJO	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 05-11-12	REVISED -									

FILE	DATE
SURVEY	
PLOTTED	
NOTE BOOK	
NO.	

BY	DATE



FILE NAME: SFEEL\*  
 USER NAME: \*USERS

DESIGNED: NAV  
 DRAWN: KES  
 CHECKED: PJJ  
 DATE: 05-11-12

REVISOR: [Blank]  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

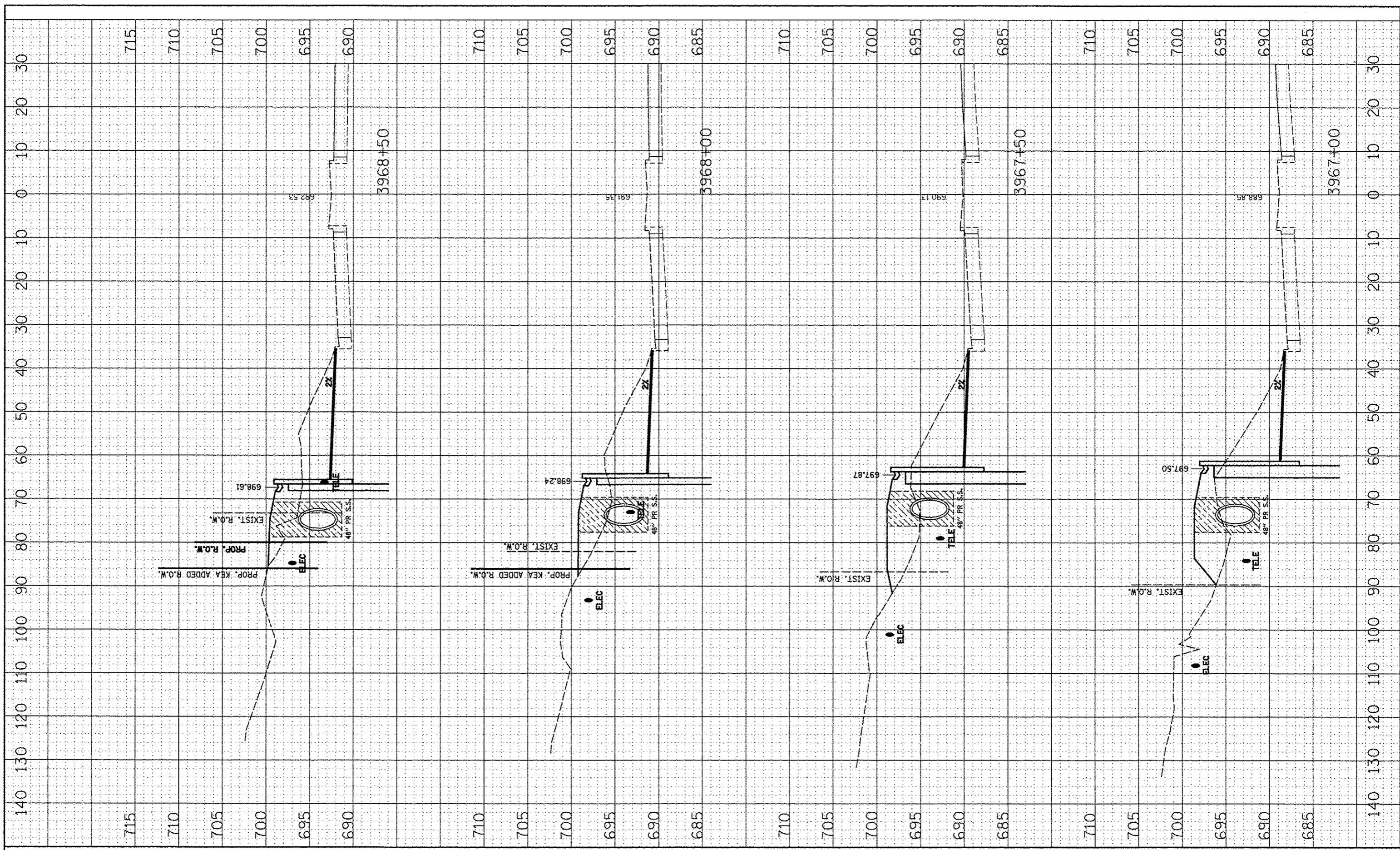
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 STA. 3965+00 TO STA. 3966+50

**SN 022-W046  
 DRAINAGE STAGE 2 - CROSS-SECTIONS**

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 82
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60P42	

FINAL	DATE
SURVEY	
NOTE BOOK	
NO.	

ORIGINAL	DATE
SURVEY	
NOTE BOOK	
NO.	



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#FILE#	DESIGNED - NAV
	DRAWN - KES
	CHECKED - PJO
	DATE - 05-11-12

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	REVISIONS
	REVISIONS

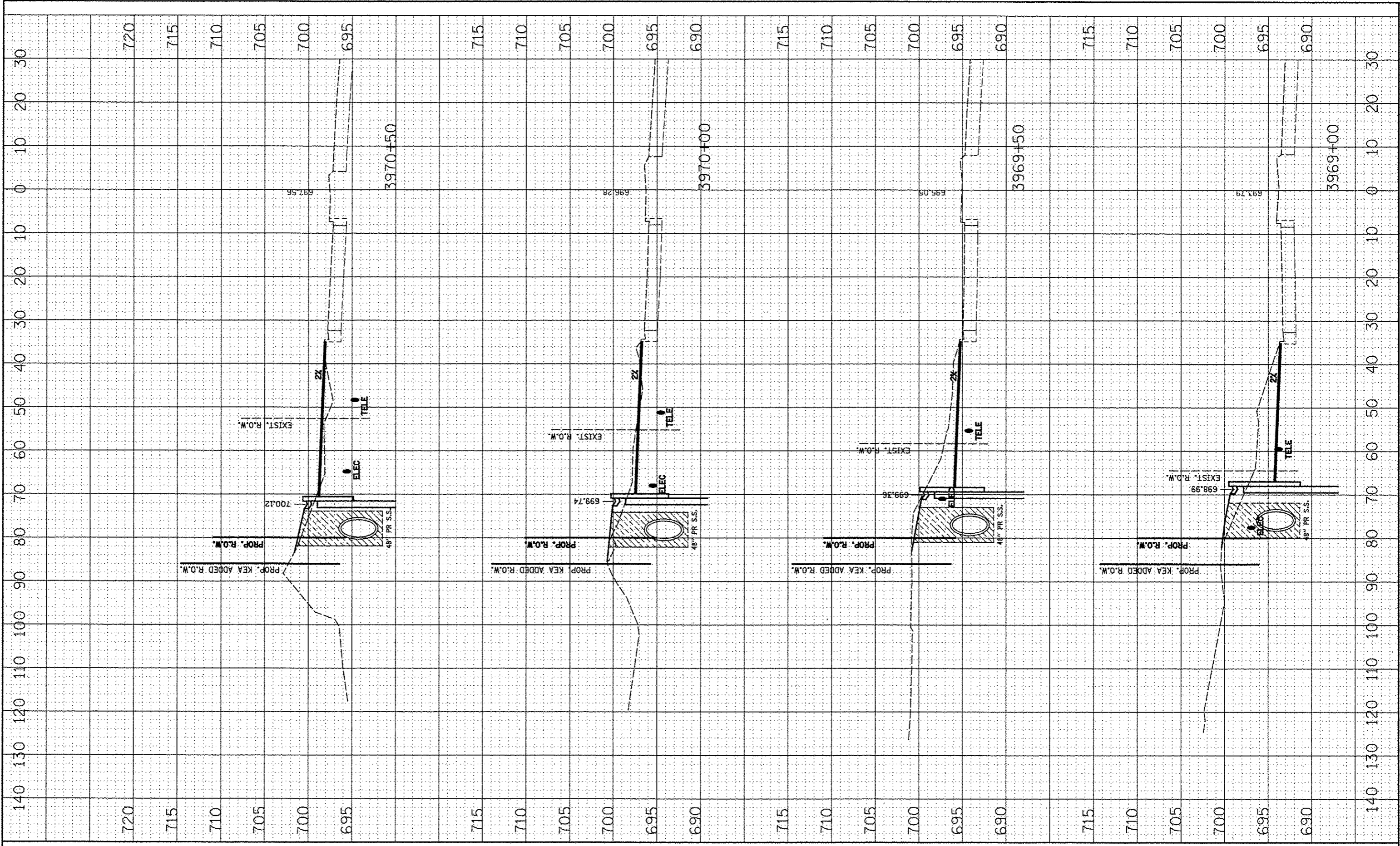
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SN 022-W046
DRAINAGE STAGE 2 - CROSS-SECTIONS
SCALE: SHEET NO. 2 OF 4 SHEETS STA. 3967+00 TO STA. 3968+50

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 83
CONTRACT NO. 60P42				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINISHED	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL	DATE
SURVEY	BY
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



FILE NAME  
#PFILE#

USER NAME - #USER#  
DESIGNED - NAV  
DRAWN - KES  
CHECKED - PJO  
DATE - 05-11-12

REVISIONS  
REVISED  
REVISED  
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REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

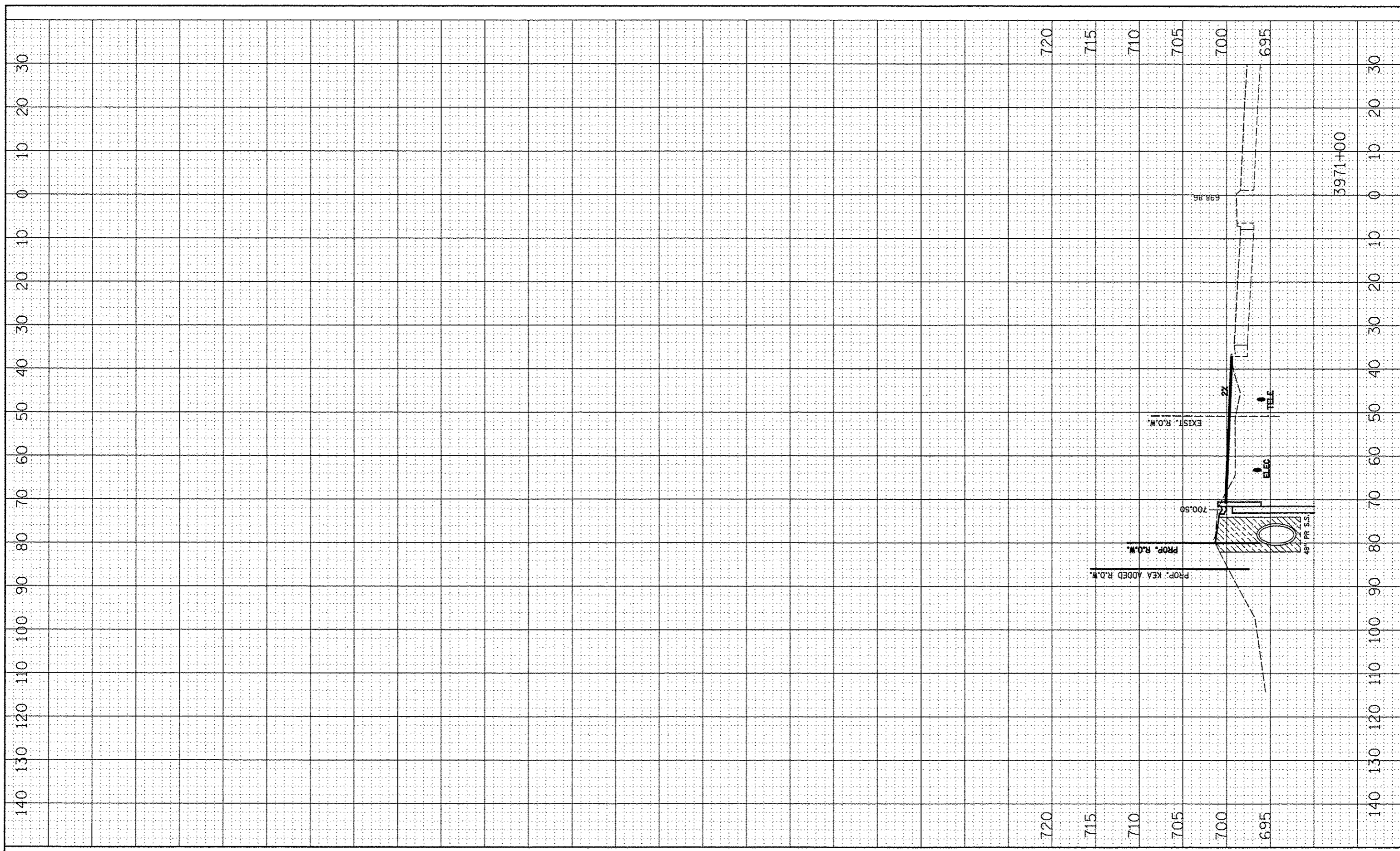
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DRAINAGE STAGE 2 - CROSS-SECTIONS

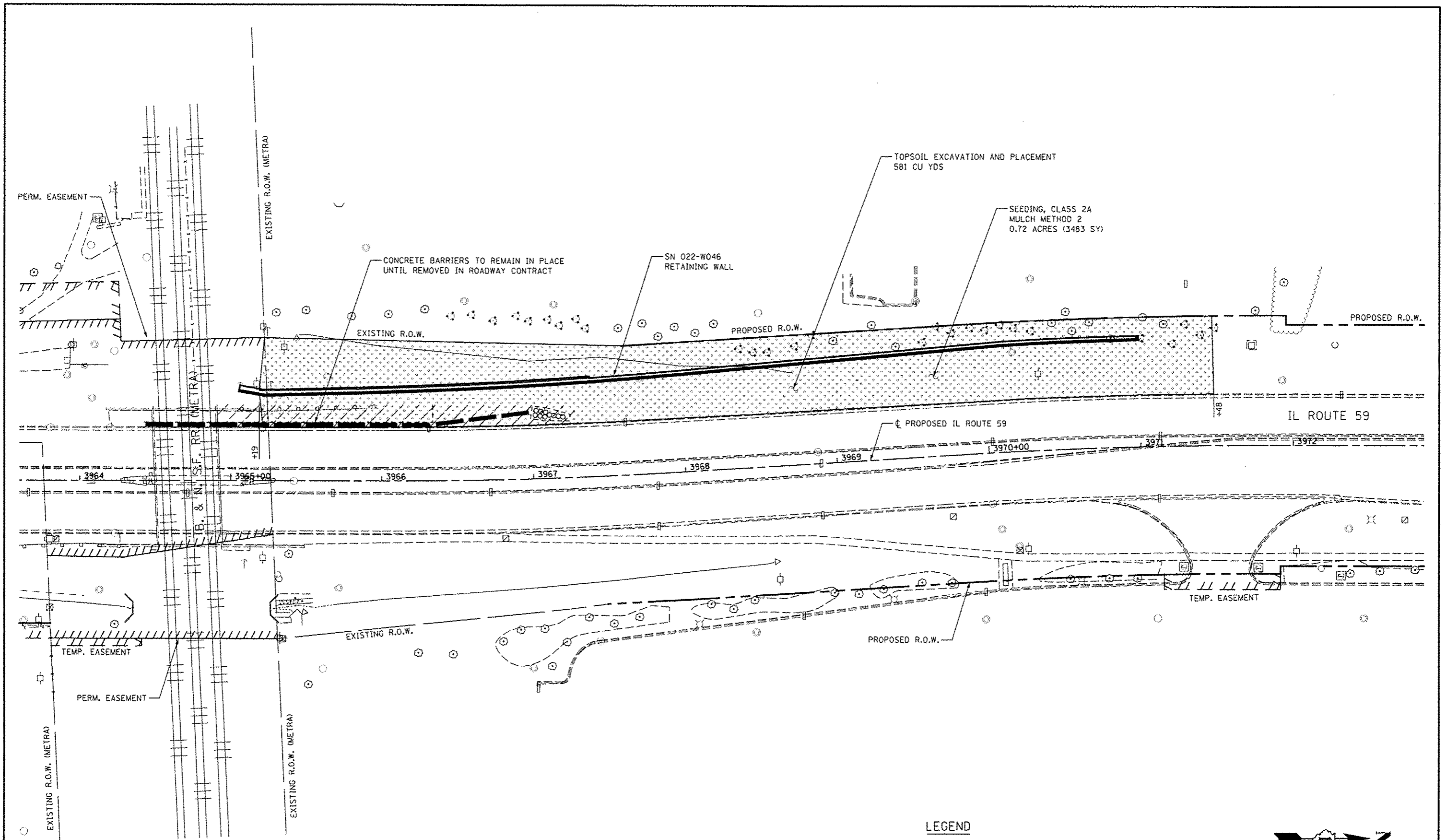
SCALE: SHEET NO. 3 OF 4 SHEETS STA. 3963+00 TO STA. 3970+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	84
CONTRACT NO. 60P42				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DESIGNED	DATE
DRAWN	DATE
CHECKED	DATE
DATE	

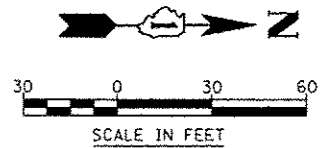
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DRAWN	DATE
CHECKED	DATE
DATE	





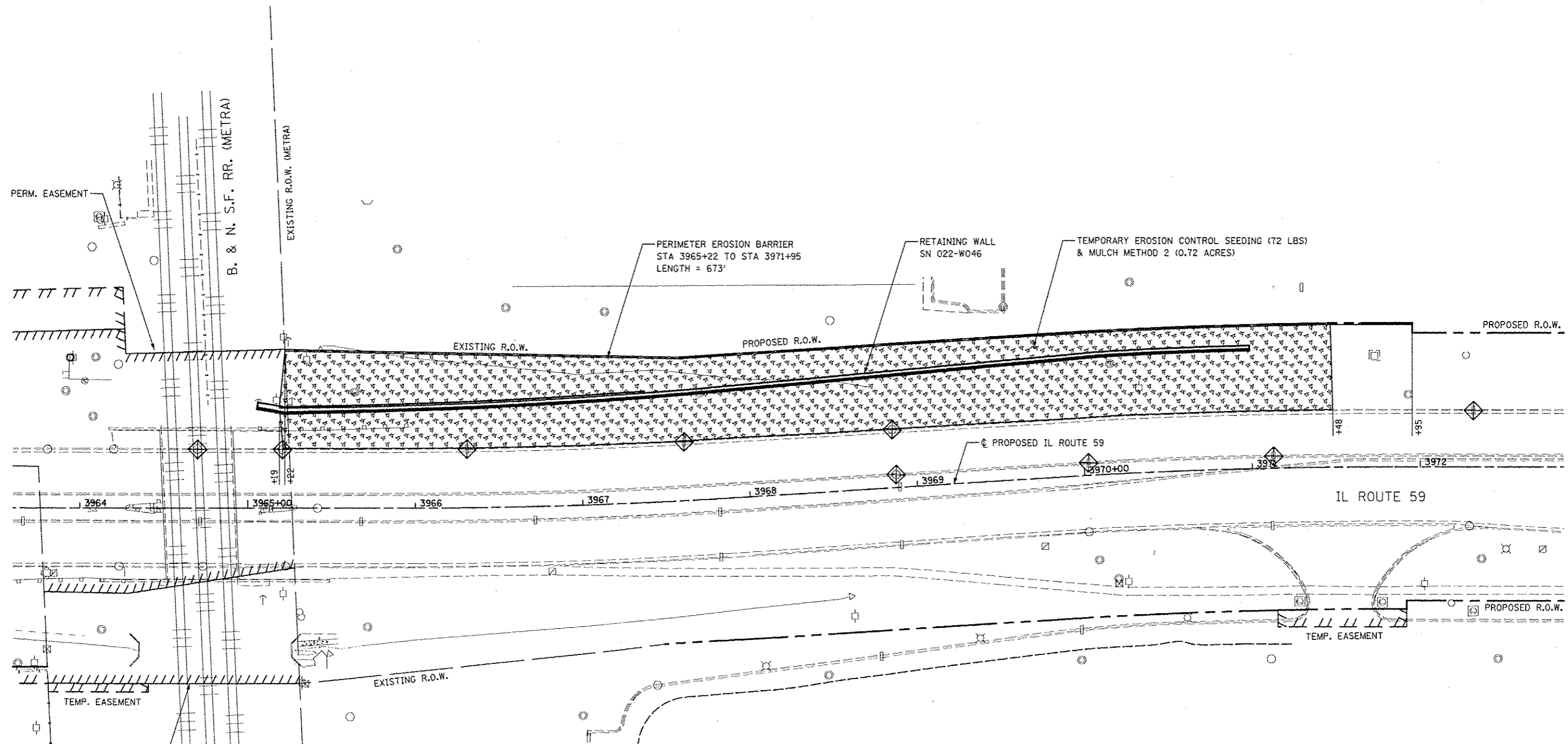
**LEGEND**

- TOPSOIL EXCAVATION AND PLACEMENT
- SEEDING, CLASS 2A
- MULCH METHOD 2







*Rev. 11-2-12*

FILE NAME	USER NAME * USER *	DESIGNED NAV	REVISED 06-04-12	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SN 022-W046 RESTORATION PLAN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILE#		DRAWN KES	REVISED			338	2011-036-1	DUPAGE	234	86
PLOT SCALE * SCALE*		CHECKED PJD	REVISED			CONTRACT NO. 60P42		ILLINOIS FED. AID PROJECT		
PLOT DATE * DATE*		DATE 05-11-12	REVISED	SCALE: AS SHOWN SHEET NO. 1 OF 1 SHEETS STA. TO STA.						

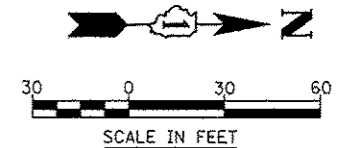


**LEGEND**

-  TEMPORARY EROSION CONTROL SEEDING  
MULCH METHOD 2
-  INLET FILTERS
-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER

**NOTES**

1. SEE SUGGESTED CONSTRUCTION SEQUENCING SHEET FOR CONSTRUCTION ACTIVITY INFORMATION.



FILE NAME	USER NAME	DESIGNED	REVISED	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SN 022-W046 - EROSION CONTROL PLAN</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#	> #USER#	NAV	06-04-12			33B	2011-036-1		234	87
		DRAWN							DUPAGE	
		CHECKED							CONTRACT NO. 60P42	
		DATE							ILLINOIS FED. AID PROJECT	
						SCALE: AS SHOWN	SHEET NO. 1 OF 1 SHEETS	STA.		TO STA.

Bench Mark: Square "□" cut in west face of high tension tower base, east side of IL Rte 59  
Sta. 3905+18, 79' Rt., Elev. 696.82

Existing Structure: None

**DESIGN SPECIFICATIONS**  
2002 AASHTO Standard Specifications  
for Highway Bridges, 17th Edition

**DESIGN STRESSES**

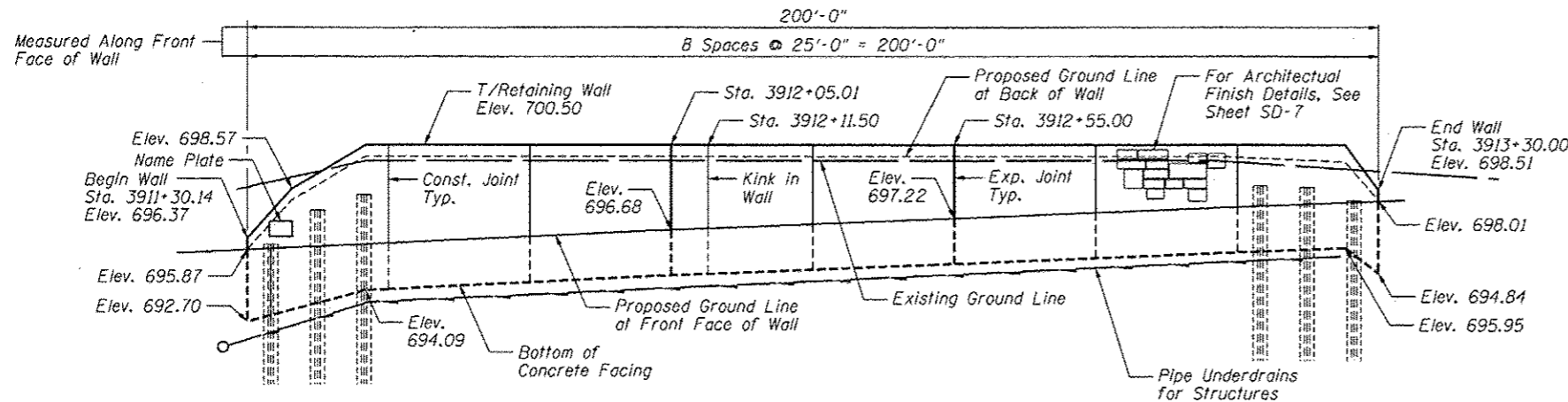
**FIELD UNITS**  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_y = 36,000$  psi (M270 Grade 36)

**INDEX OF SHEETS**

- SD-1. General Plan and Elevation
- SD-2. Soldier Pile Layout
- SD-3. Typical Section
- SD-4. Details
- SD-5. Concrete Facing
- SD-6. Concrete Facing & Details
- SD-7. Architectural Finish Details
- SD-8. Boring Logs

**GENERAL NOTES**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. The Contractor is responsible for the design and performance of the lagging using no less than 3" nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1000 psi.
3. Protective coat shall be applied to exposed surfaces of the front face of wall and top of wall.



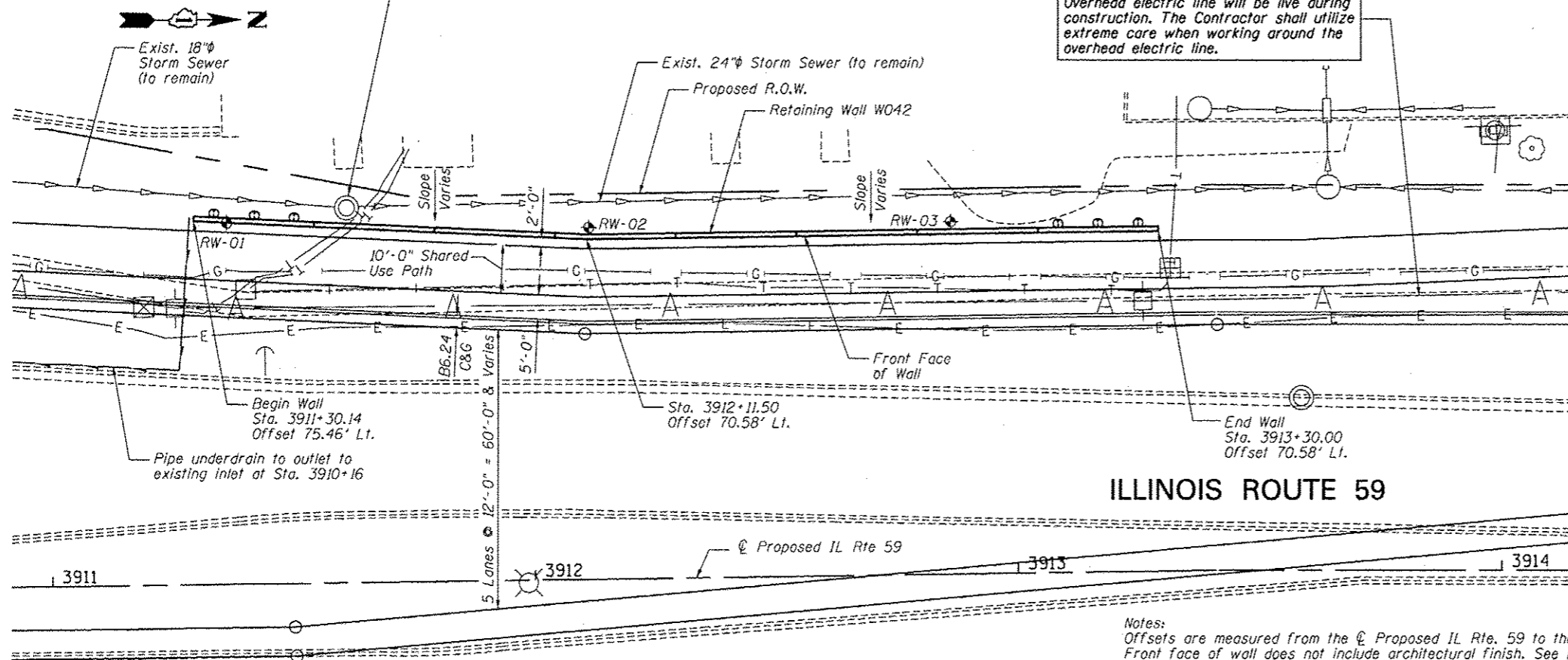
STATION 3911+30.14  
BUILT 201 BY  
STATE OF ILLINOIS  
F.A.P. RT. 338  
SEC. 2011-036-1  
STR. NO. 022-W042

**NAME PLATE**  
See Std. 515001

**ELEVATION**

Contractor to verify location of existing drainage structure to remain and determine if the proposed retaining wall can be constructed with the existing drainage structure in its current location. In the event the wall cannot be constructed with the existing drainage structure in its current location, the Contractor shall notify the Engineer and obtain the Engineer's approval to relocate the existing drainage structure. If approved by the Engineer, payment for the relocation of the existing drainage structure shall be in accordance with Article 109.04 of the Standard Specifications.

Overhead electric line will be live during construction. The Contractor shall utilize extreme care when working around the overhead electric line.



**PLAN**

Notes:  
Offsets are measured from the  $\phi$  Proposed IL Rte. 59 to the front face of the wall. Front face of wall does not include architectural finish. See Detail on Sheet SD-3.

Soldier piles not shown for clarity.

Roadway work will be in future Contract 60R30.

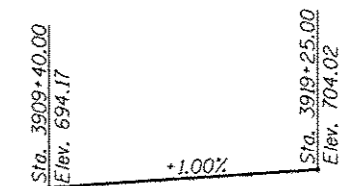
Buried utilities that cross SN 022-W042 will be relocated by others.

**TOTAL BILL OF MATERIAL**

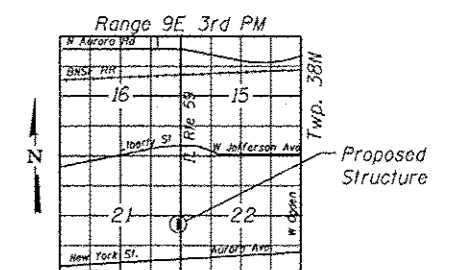
ITEM	UNIT	TOTAL
Structure Excavation	Cu. Yd.	226
Concrete Structures	Cu. Yd.	45.2
Protective Coat	Sq. Yd.	112
Stud Shear Connectors	Each	114
Reinforcement Bars, Epoxy Coated	Pound	5,190
Name Plates	Each	1
Geocomposite Wall Drain	Sq. Yd.	63
Untreated Timber Lagging	Sq. Ft.	743
Furnishing Soldier Piles (W Section)	Foot	480
Pipe Underdrains for Structures, 4"	Foot	343
Drilling and Setting Soldier Piles (In Soil)	Cu. Ft.	1,605
Form Liner Textured Surface	Sq. Ft.	339



*Deborah A. Zroka* March 7, 2012  
Signature Date  
November 30, 2012  
Expires



**PROFILE GRADE**  
(along  $\phi$  proposed IL Route 59)



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION**  
**IL RTE 59 FAP RTE 338**  
**SECTION 2011-036-1**  
**DUPAGE COUNTY**  
**STA. 3911+30.14 TO STA. 3913+30.00**  
**SN 022-W042**

FILE NAME: ...ASBP12-10242-021-036.dwg

**ZROKA** engineering  
Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

USER NAME = SAW  
DESIGNED - LAS  
CHECKED - DAZ  
DRAWN - SAW  
CHECKED - LAS  
PLOT SCALE = 3/8" = 1' IN.  
PLOT DATE = 5/11/2012

DESIGNED - LAS  
CHECKED - DAZ  
DRAWN - SAW  
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REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

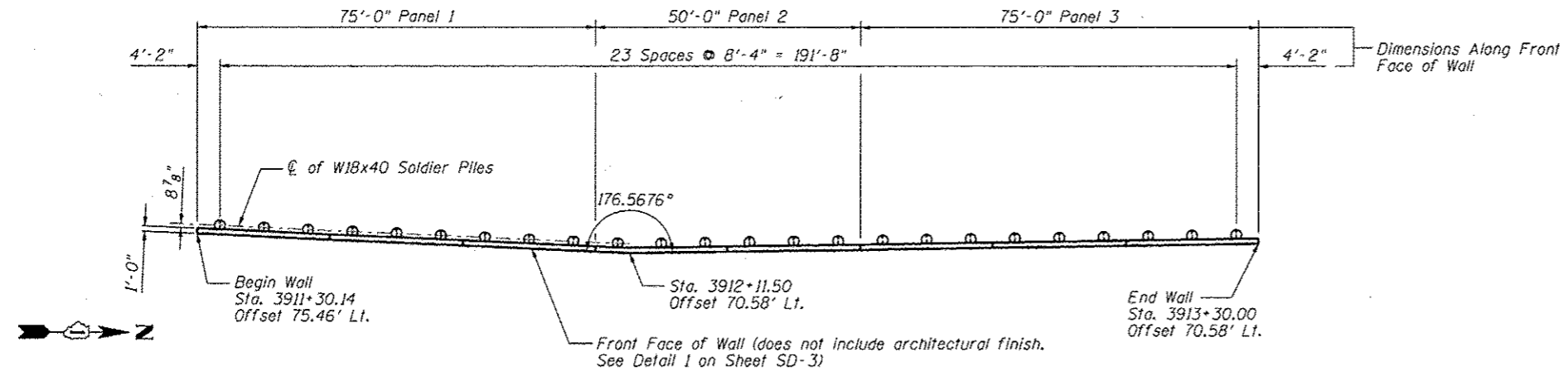
GENERAL PLAN & ELEVATION  
STA. 3911+30.14 TO STA. 3913+30.00 SN 022-W042

SHEET NO. SD-1 OF SD-8 SHEETS

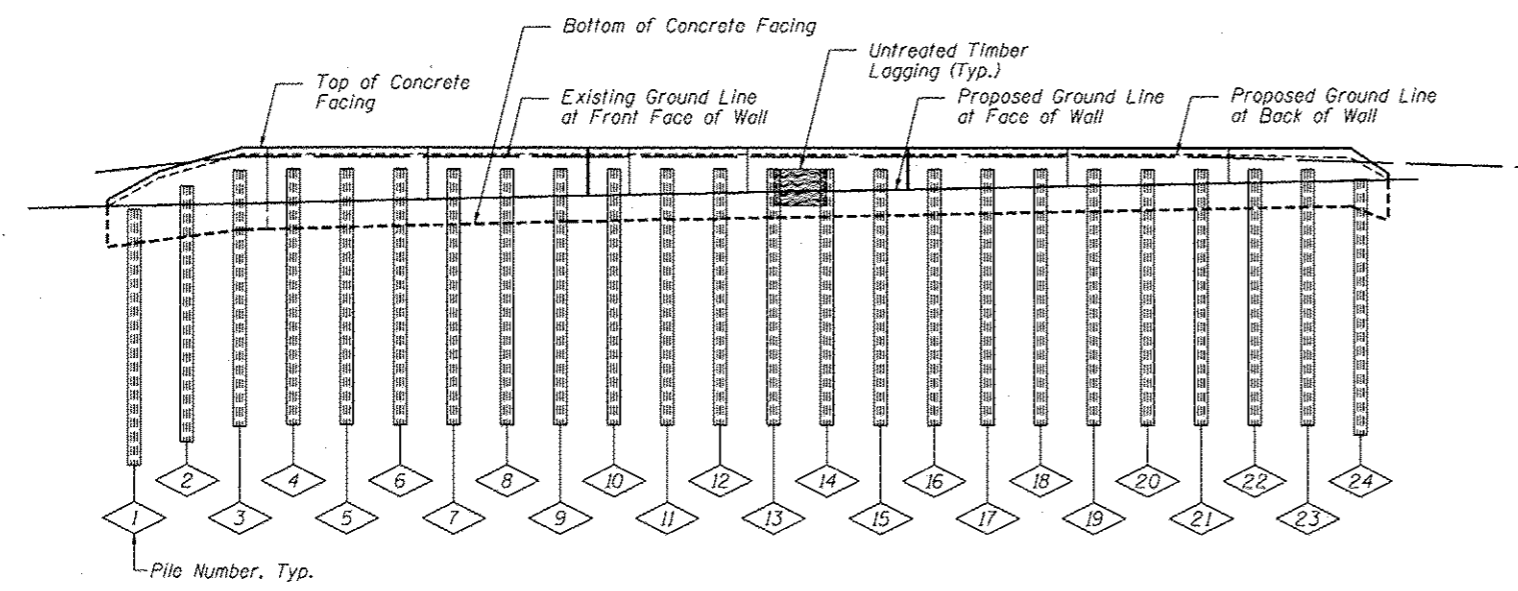
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	88

CONTRACT NO. 60P42  
ILLINOIS FED. AID PROJECT





PLAN



ELEVATION

PILE SUMMARY

Pile No.	Station	Offset to ¢ Pile	Pile Designation	Length	Bottom Elevation	Top Elevation	Pile No.	Station	Offset to ¢ Pile	Pile Designation	Length	Bottom Elevation	Top Elevation
1	3911+34.41	76.94	W18x40	20'-0"	675.87	695.87	13	3912+34.17	72.32	W18x40	20'-0"	678.83	698.83
2	3911+42.72	76.44	W18x40	20'-0"	677.59	697.59	14	3912+42.50	72.32	W18x40	20'-0"	678.83	698.83
3	3911+51.04	75.95	W18x40	20'-0"	678.82	698.82	15	3912+50.83	72.32	W18x40	20'-0"	678.83	698.83
4	3911+59.36	75.45	W18x40	20'-0"	678.83	698.83	16	3912+59.17	72.32	W18x40	20'-0"	678.83	698.83
5	3911+67.68	74.95	W18x40	20'-0"	678.83	698.83	17	3912+67.50	72.32	W18x40	20'-0"	678.83	698.83
6	3911+76.00	74.45	W18x40	20'-0"	678.83	698.83	18	3912+75.83	72.32	W18x40	20'-0"	678.83	698.83
7	3911+84.32	73.95	W18x40	20'-0"	678.83	698.83	19	3912+84.17	72.32	W18x40	20'-0"	678.83	698.83
8	3911+92.63	73.45	W18x40	20'-0"	678.83	698.83	20	3912+92.50	72.32	W18x40	20'-0"	678.83	698.83
9	3912+00.95	72.95	W18x40	20'-0"	678.83	698.83	21	3913+00.83	72.32	W18x40	20'-0"	678.83	698.83
10	3912+09.27	72.45	W18x40	20'-0"	678.83	698.83	22	3913+09.17	72.32	W18x40	20'-0"	678.83	698.83
11	3912+17.50	72.32	W18x40	20'-0"	678.83	698.83	23	3913+17.50	72.32	W18x40	20'-0"	678.83	698.83
12	3912+25.83	72.32	W18x40	20'-0"	678.83	698.83	24	3913+25.83	72.32	W18x40	20'-0"	678.25	698.25

BILL OF MATERIAL

Item	Unit	Quantity
Furnishing Soldier Piles (W Section)	Foot	480
Drilling and Setting Soldier Piles (In Soil)	Cu Ft	1,605
Untreated Timber Lagging	Sq Ft	743
Stud Shear Connectors	Each	114

Note: All offsets are to the left of centerline of IL Rte 59

SOLDIER PILE LAYOUT  
SN 022-W042

FILE NAME: ... \BSP-02-W042-022-P1.dwg



Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

USER NAME: SAW  
DESIGNED: LAS  
CHECKED: DAZ  
DRAWN: SAW  
PLOT SCALE: 30.00' / IN.  
PLOT DATE: 5/9/2012

DESIGNED: LAS  
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REVISIONS:  
REVISIONS:

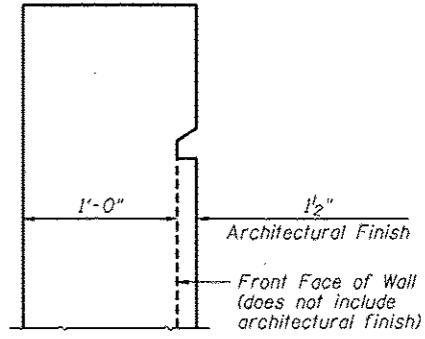
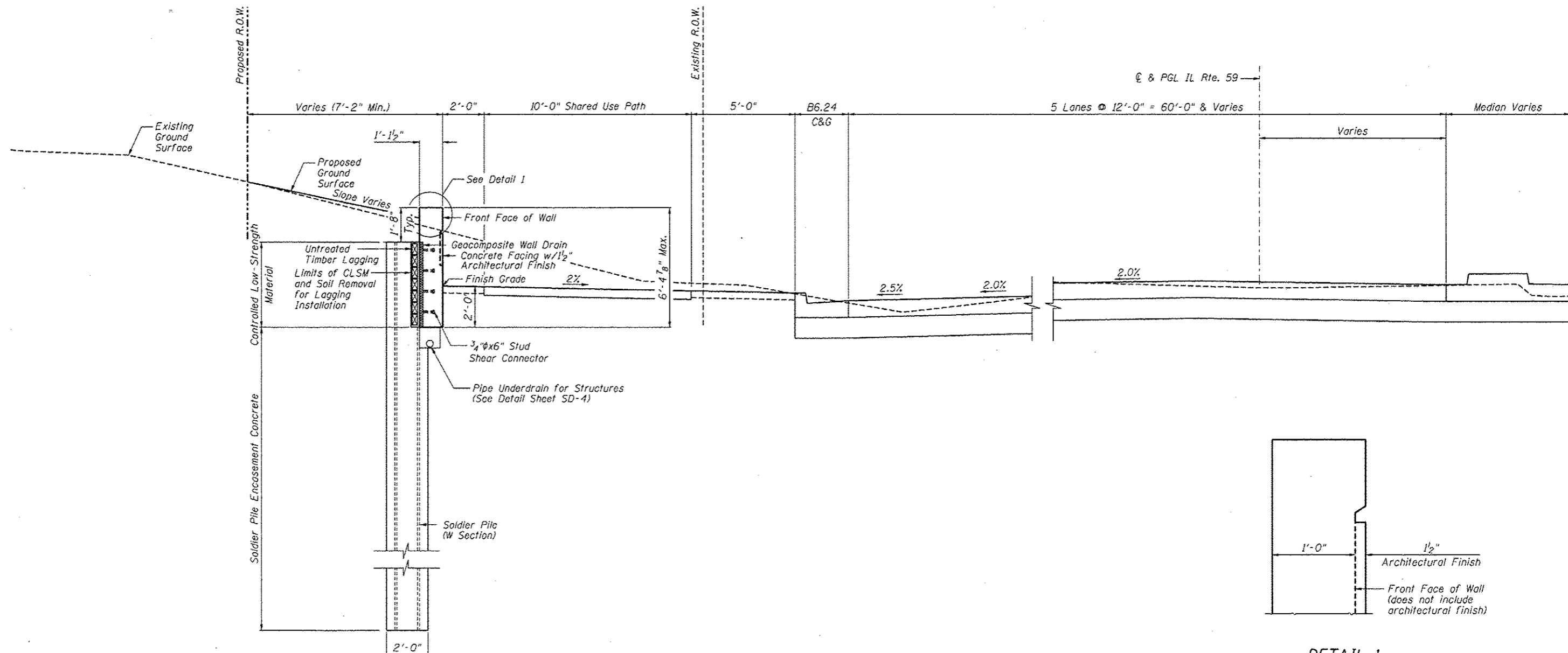
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOLDIER PILE LAYOUT  
STA. 3911+30.14 TO STA. 3913+30.00 SN 022-W042

SHEET NO. SD-2 OF SD-8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	89

CONTRACT NO. 60P42  
ILLINOIS FED. AID PROJECT



**TYPICAL WALL SECTION**  
 Sta. 3911+30.14 to Sta. 3913+30.00  
 (Looking North)

**DETAIL 1**

**TYPICAL SECTION**  
 SN 022-W042

FILE NAME: \\60P42-W042-023-TypSec.dgn



Zroka Engineering, P.C.  
 4216 North Hermitage  
 Chicago, IL 60613

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	CHECKED - DAZ	REVISED -
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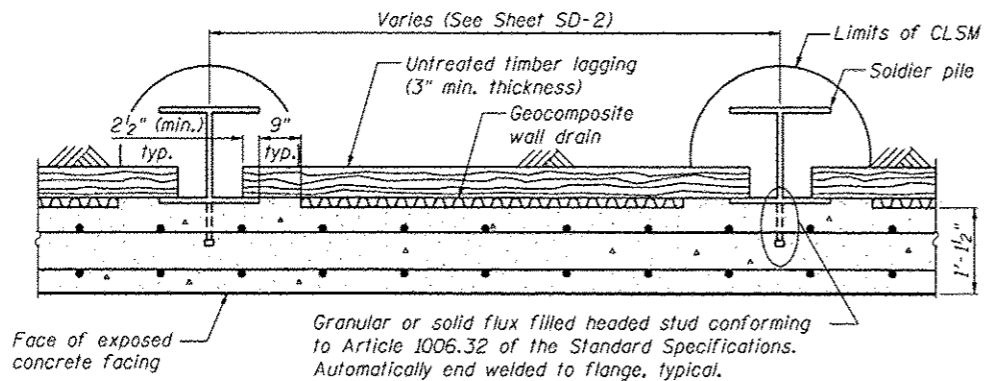
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTION**  
**STA. 3911 + 30.14 TO STA. 3913 + 30.00 SN 022-W042**

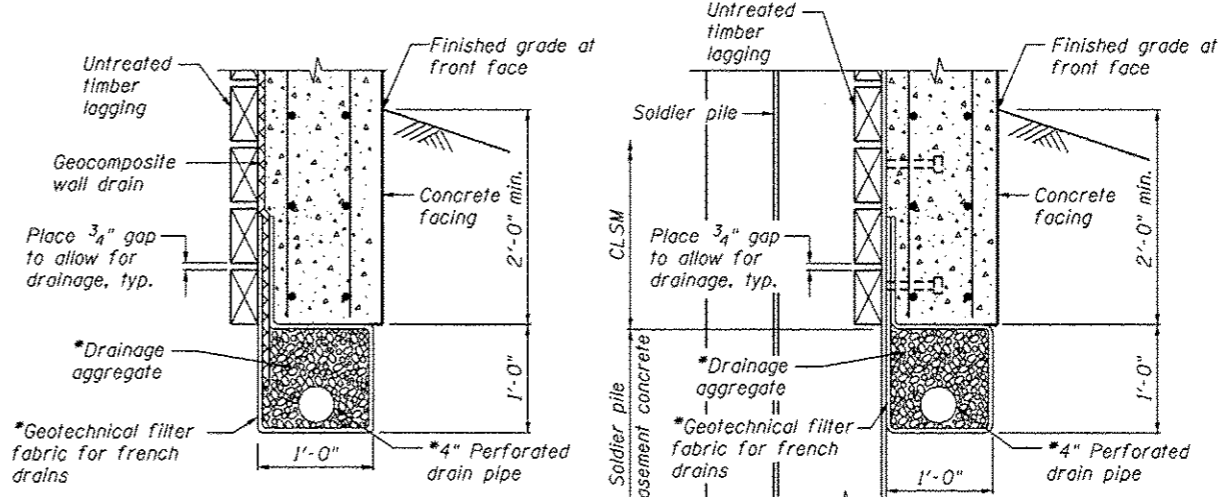
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CONTRACT NO. 60P42				

ILLINOIS FED. AID PROJECT



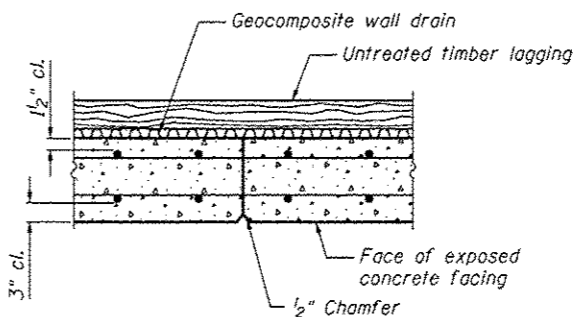
**SECTION THRU DRILLED SOLDIER PILE WALL**



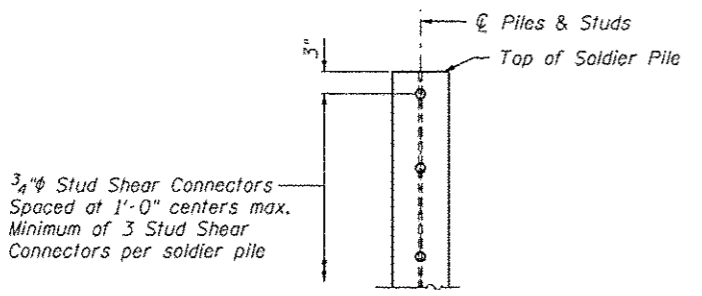
**BETWEEN SOLDIER PILES**      **AT SOLDIER PILES**

**PIPE UNDERDRAIN DETAIL**

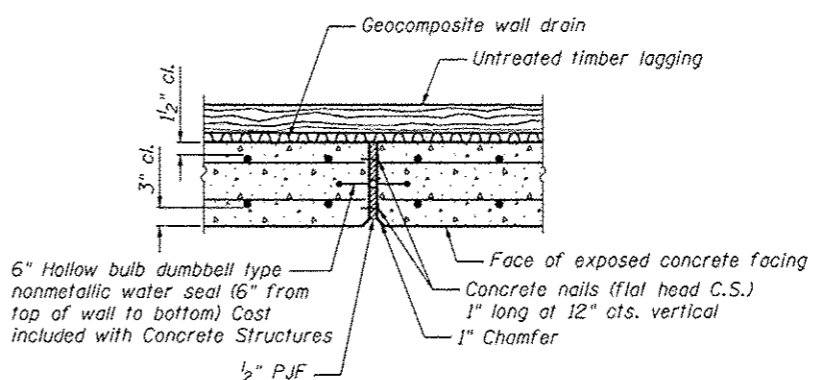
\*Included in the cost of "Pipe Underdrains for Structures, 4"



**CONSTRUCTION JOINT DETAIL**



**DETAIL OF SHEAR STUD PLACEMENT**



**EXPANSION JOINT DETAIL**

**DETAILS  
SN 022-W042**

FILE NAME: ... \NSP2-2-0612-024-Cover-1.rvt



Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

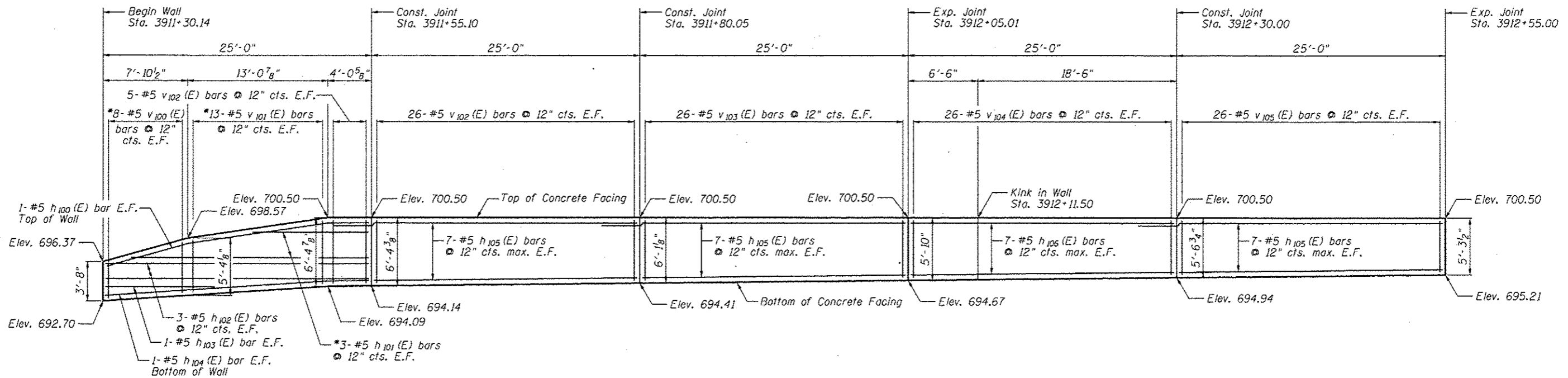
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

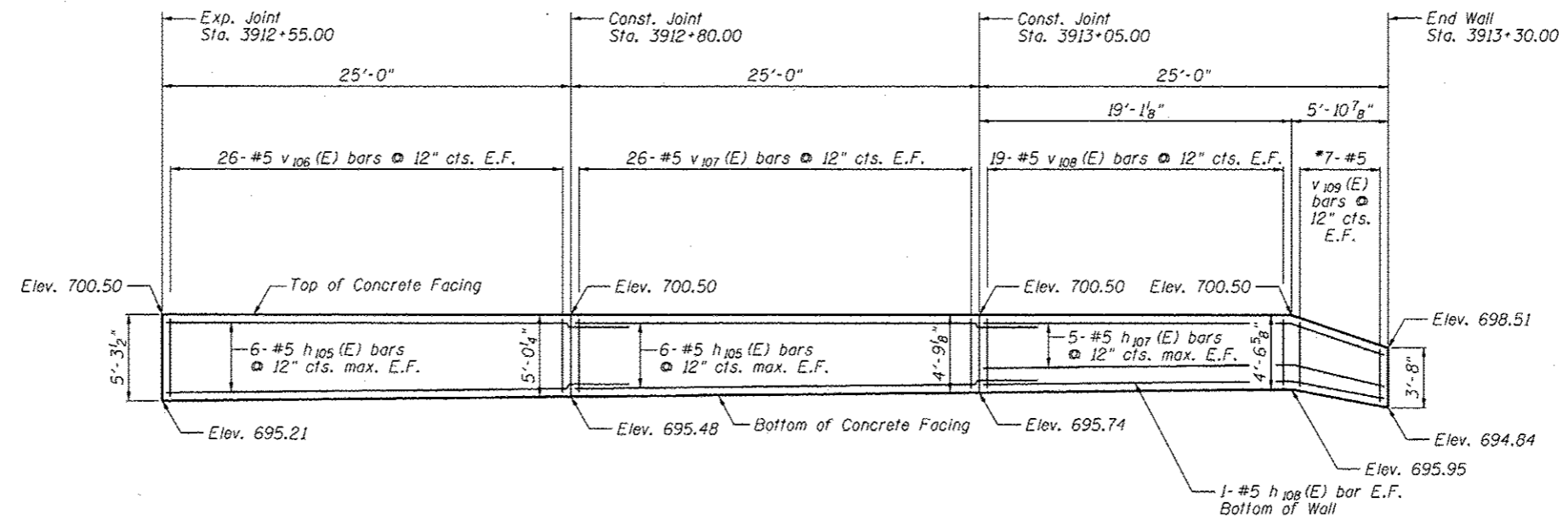
**DETAILS  
STA. 3911+30.14 TO STA. 3913+30.00 SN 022-W042**

SHEET NO. SD-4 OF SD-8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	91
CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				



**ELEVATION**



**ELEVATION**

Notes:  
 Minimum lap for #5 bar is 3'-8".  
 Space reinforcement in wall to miss shear studs.  
 \* signifies cut bar. Order per length on Bill of Material. Cut as shown in Cutting Diagram and use half of bars in each face.  
 See Sheet SD-6 for Concrete Facing Details and Bill of Material.

**CONCRETE FACING  
 SN 022-W042**



Zzoka Engineering, P.C.  
 4216 North Hermitage  
 Chicago, IL 60613

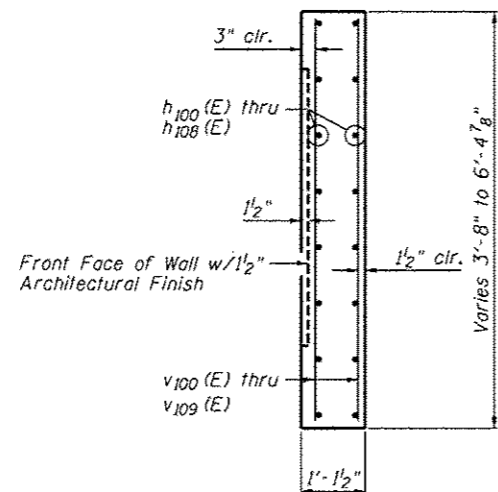
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CHECKED	LAS	REVISIONS	-	-	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

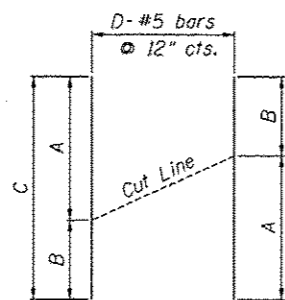
**CONCRETE FACING  
 STA. 3911 + 30.14 TO STA. 3913 + 30.00 SN 022-W042**

SHEET NO. SD-5 OF SD-8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				

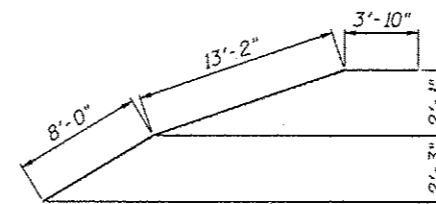


SECTION THRU  
CONCRETE FACING

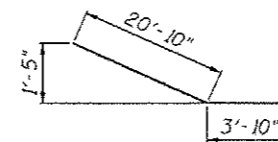


CUTTING DIAGRAM

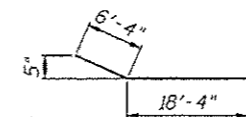
Bar	A	B	C	D
h 101 (E)	11'-7"	21'-2"	32'-9"	3
v 100 (E)	3'-4"	4'-10"	8'-2"	8
v 101 (E)	5'-0"	6'-0"	11'-0"	13
v 109 (E)	4'-3"	3'-4"	7'-7"	7



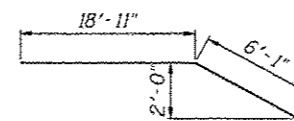
BAR h100 (E)



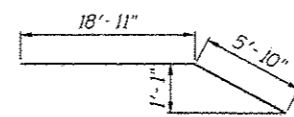
BAR h104 (E)



BAR h106 (E)



BAR h107 (E)



BAR h108 (E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h 100 (E)	2	#5	25'-0"	┘
h 101 (E)	3	#5	32'-9"	—
h 102 (E)	6	#5	24'-8"	—
h 103 (E)	2	#5	10'-2"	—
h 104 (E)	2	#5	24'-8"	┘
h 105 (E)	66	#5	28'-8"	—
h 106 (E)	14	#5	24'-8"	┘
h 107 (E)	10	#5	25'-0"	┘
h 108 (E)	2	#5	24'-9"	┘
v 100 (E)	8	#5	8'-2"	—
v 101 (E)	13	#5	11'-0"	—
v 102 (E)	62	#5	5'-9"	—
v 103 (E)	52	#5	5'-6"	—
v 104 (E)	52	#5	5'-3"	—
v 105 (E)	52	#5	5'-0"	—
v 106 (E)	52	#5	4'-8"	—
v 107 (E)	52	#5	4'-5"	—
v 108 (E)	38	#5	4'-3"	—
v 109 (E)	7	#5	7'-7"	—
Item	Unit	Quantity		
Concrete Structures	Cu. Yd.	45.2		
Reinforcement Bars, Epoxy Coated	Pound	5,190		
Pipe Underdrains for Structures, 4"	Foot	343		
Geocomposite Wall Drain	Sq. Yd.	63		

CONCRETE FACING & DETAILS  
SN 022-W042

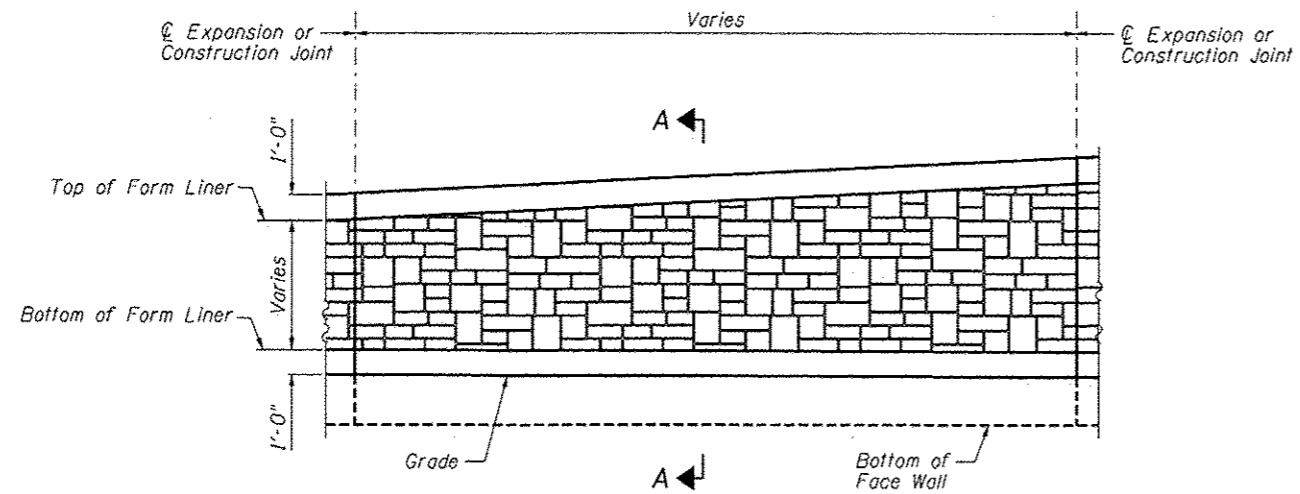
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CONCRETE FACING & DETAILS  
STA. 3911 + 30.14 TO STA. 3913 + 30.00 SN 022-W042

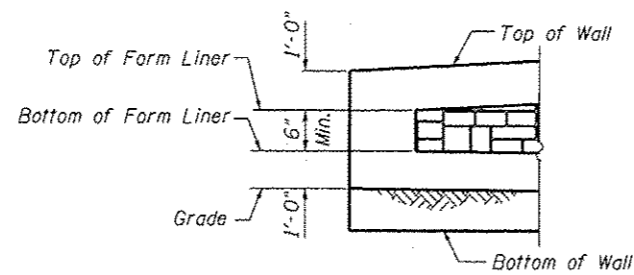
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	93

SHEET NO. SD-6 OF SD-8 SHEETS

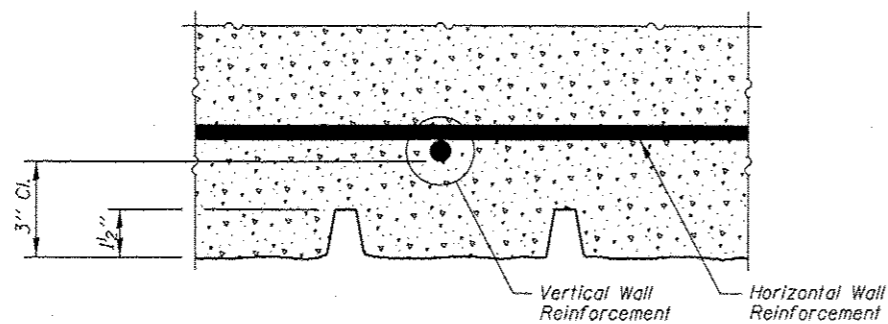
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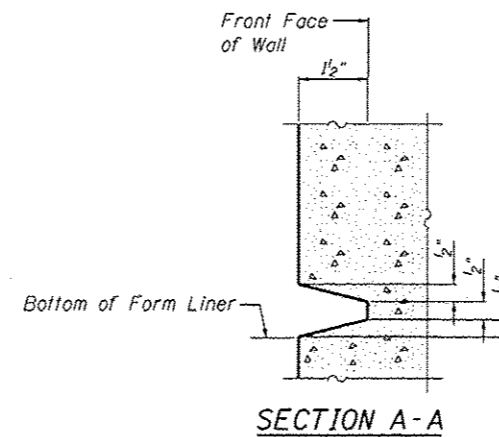
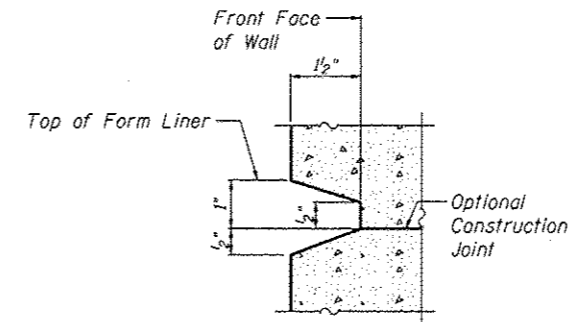
ELEVATION - FORM LINER



END FORM LINER FINISH



PLAN - FORM LINER



SECTION A-A

FORM LINER ELEVATION TABLE

Station	Form Liner Top Elevation	Form Liner Bottom Elevation
3911+30.14	None	None
3911+38.01	697.57	696.96
3911+51.06	699.50	697.09
3911+55.10	699.50	697.14
3911+80.05	699.50	697.41
3912+05.01	699.50	697.67
3912+30.01	699.50	697.94
3912+55.00	699.50	698.21
3912+80.00	699.50	698.48
3913+05.00	699.50	698.74
3913+24.09	699.50	698.95
3913+30.00	None	None

ARCHITECTURAL FINISH DETAILS  
SN 022-W042

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ARCHITECTURAL FINISH DETAILS  
STA. 3911+30.14 TO STA. 3913+30.00 SN 022-W042

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	94

CONTRACT NO. 60P42  
ILLINOIS FED. AID PROJECT

SHEET NO. SD-7 OF SD-8 SHEETS

**ZROKA** Engineering  
Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

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PLOT DATE = 5/10/2012	CHECKED - LAS	REVISED -

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BORING LOG RW-01

BORING LOG RW-02

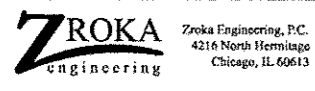
BORING LOG RW-03

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 North Dearborn Street, Suite 204 Naperville, Illinois 60563 (630) 351-3638		SOIL BORING LOG		PAGE 1 of 1	
ROUTE II, Route 59 (FAP 338)		DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road		DATE 3/17/2011	
SECTION (112 & 113) WRS-5		LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N. RNG. 9E. Naperville Township		LOGGED BY RJ	
COUNTY DuPage		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE CME Automatic	
STRUCT. NO. 022-W042		Surface Water Elev. n/a		D E P T H	
Station: 3911+30 to 3913+30		Stream Bed Elev. n/a		B L O C K S	
BORING NO. RW-01		Groundwater Elevation:		U C C S	
Station: 3911+37 IL RTE-59		First Encounter Dry		M O I S T	
Offset: 73.0' Left		Upon Completion Dry		H S	
Ground Surface Elev. 698.0		After Hrs.		Q u	
				(ft) / (ft) (tar) (%)	
CLAY-dark brown & black-stiff to hard (A-6) Fill					
Drillers Observation: Buried topsoil from -5.0' to -6.0'.					
CLAY LOAM-brown-very stiff (A-6)					
GRAVEL-dense to very dense (A-1)					
CLAY-gray-very stiff (A-6)					
End Of Boring @ -20.0' Hollow Stem Augers CME Automatic Hammer					

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 North Dearborn Street, Suite 204 Naperville, Illinois 60563 (630) 351-3638		SOIL BORING LOG		PAGE 1 of 1	
ROUTE II, Route 59 (FAP 338)		DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road		DATE 3/17/2011	
SECTION (112 & 113) WRS-5		LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N. RNG. 9E. Naperville Township		LOGGED BY RJ	
COUNTY DuPage		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE CME Automatic	
STRUCT. NO. 022-W042		Surface Water Elev. n/a		D E P T H	
Station: 3911+30 to 3913+30		Stream Bed Elev. n/a		B L O C K S	
BORING NO. RW-02		Groundwater Elevation:		U C C S	
Station: 3912+12 IL RTE-59		First Encounter 676.6		M O I S T	
Offset: 73.0' Left		Upon Completion 681.1		H S	
Ground Surface Elev. 700.1		After Hrs.		Q u	
				(ft) / (ft) (tar) (%)	
CLAY LOAM-dark brown spotted black-stiff (A-6) Fill					
SILTY CLAY-dark brown-stiff (A-6) Wet					
CLAY LOAM-brown & gray-very stiff to hard (A-6)					
CLAY LOAM-gray-very stiff (A-6)					
CLAY-gray-very stiff (A-6)					
End Of Boring @ -35.0' Hollow Stem Augers CME Automatic Hammer					

Geo Services, Inc. Geotechnical, Environmental & Civil Engineering 805 North Dearborn Street, Suite 204 Naperville, Illinois 60563 (630) 351-3638		SOIL BORING LOG		PAGE 1 of 1	
ROUTE II, Route 59 (FAP 338)		DESCRIPTION Illinois Route 59-Aurora Avenue/New York Street To Ferry Road		DATE 3/17/2011	
SECTION (112 & 113) WRS-5		LOCATION SEC. 3, 9-10, 15-16, 21-22 TWP. 38N. RNG. 9E. Naperville Township		LOGGED BY RJ	
COUNTY DuPage		DRILLING METHOD Hollow Stem Auger		HAMMER TYPE CME Automatic	
STRUCT. NO. 022-W042		Surface Water Elev. n/a		D E P T H	
Station: 3911+30 to 3913+30		Stream Bed Elev. n/a		B L O C K S	
BORING NO. RW-03		Groundwater Elevation:		U C C S	
Station: 3912+87 IL RTE-59		First Encounter 680.7		M O I S T	
Offset: 73.0' Left		Upon Completion 680.7		H S	
Ground Surface Elev. 700.2		After Hrs.		Q u	
				(ft) / (ft) (tar) (%)	
TOPSOIL-black					
CLAY-brown & gray-stiff to hard (A-6)					
CLAY-gray-very stiff to hard (A-6)					
SAND-gray-medium dense (A-2)					
SAND-gray-medium dense (A-2)					
End Of Boring @ -20.0' Hollow Stem Augers CME Automatic Hammer					

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PLOT SCALE: 2.00" / IN.	CHECKED: DAZ	REVISED:
PLOT DATE: 5/9/2012	DRAWN: SAW	REVISED:
	CHECKED: LAS	REVISED:

STATE OF ILLINOIS  
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BORING LOGS  
STA. 3911+30.14 TO STA. 3913+30.00 SN 022-W042  
SHEET NO. 5D-8 OF 5D-8 SHEETS

F.A.P. RTE. 338	SECTION 2011-036-1	COUNTY DUPAGE	TOTAL SHEETS 234	SHEET NO. 95
CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				

BORING LOGS  
SN 022-W042

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-I		234	96
CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				



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4216 North Hermitage  
Chicago, IL 60613

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PLOT SCALE = 2.00' / IN.
PLOT DATE = 5/9/2012

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DRAWN - SAW
CHECKED - LAS

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1		234	97
CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				

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**ZROKA**  
engineering  
Zroka Engineering, P.C.  
4216 North Hermitage  
Chicago, IL 60613

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1		234	98
CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				

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4216 North Hermitage  
Chicago, IL 60613

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PLOT DATE : 5/9/2012

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	99
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 60P42

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STATE OF ILLINOIS  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	2011-036-1	DUPAGE	234	100
CONTRACT NO. 60P42				
ILLINOIS FED. AID PROJECT				