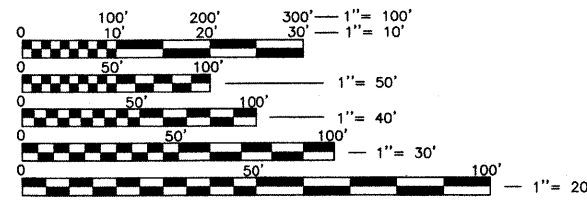
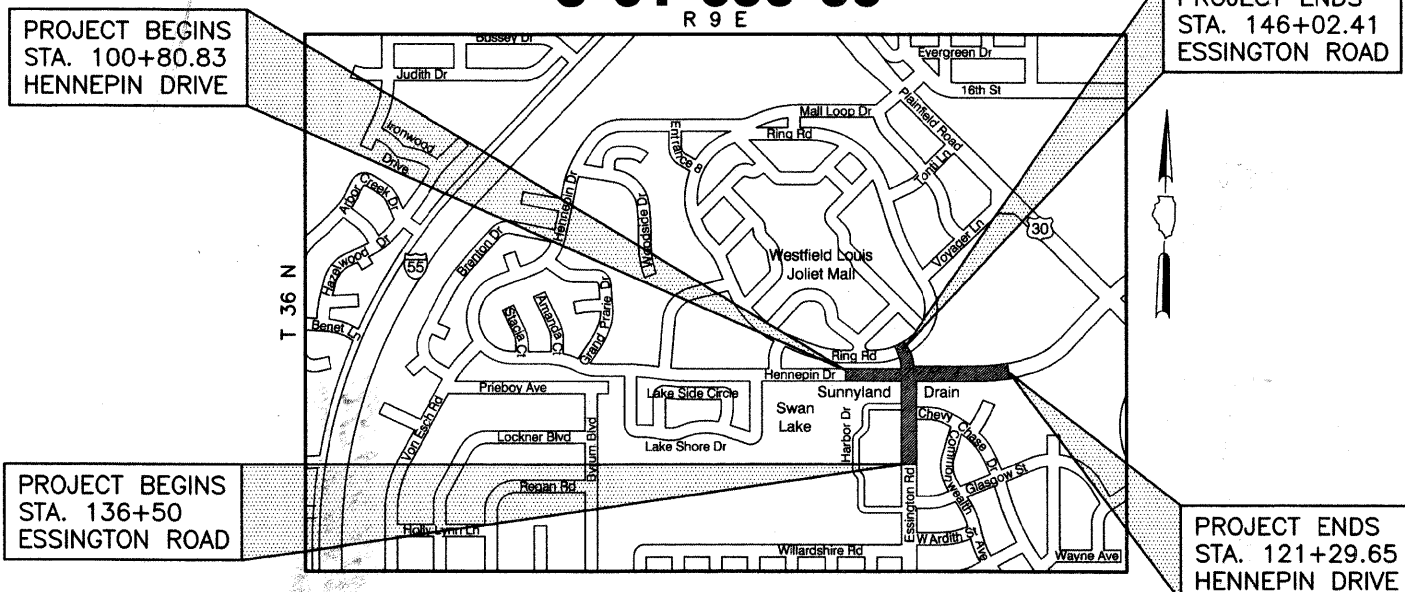
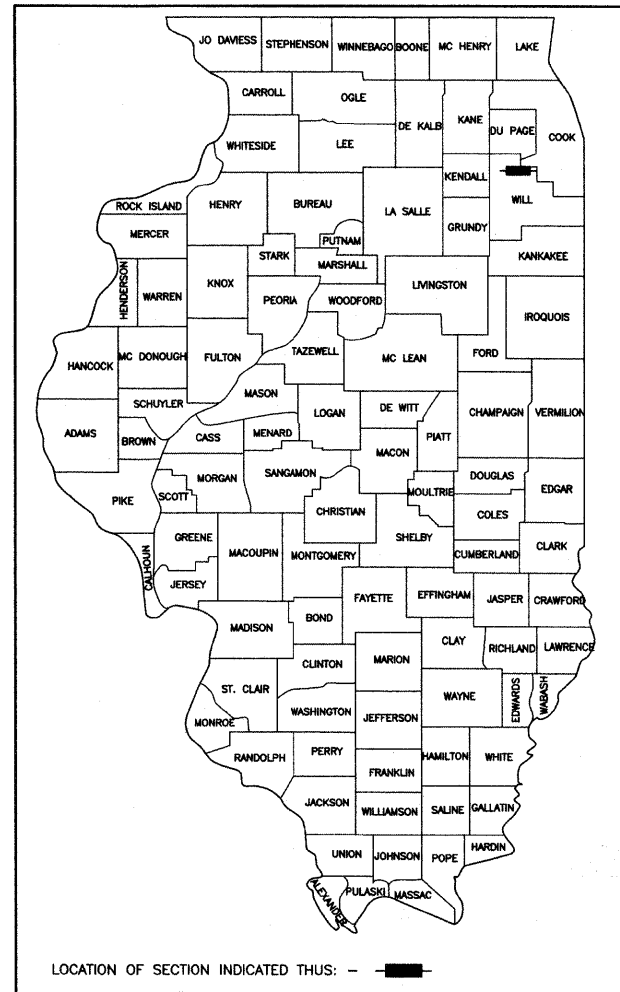


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	1
FED. ROAD DIST. NO. 7 ILLINOIS CONTRACT NO. 63185				

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	GENERAL NOTES AND STATE STANDARDS
4-11	SUMMARY OF QUANTITIES
12-14	TYPICAL SECTIONS
15	SCHEDULE OF QUANTITIES
16	ALIGNMENT AND BENCHMARKS
17-22	PLAN AND PROFILE
23-25	MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS
26-29	MAINTENANCE OF TRAFFIC
30	DETOUR NOTES
31	DETOUR PLAN SHEET
32-33	EROSION CONTROL AND LANDSCAPING
34-41	DRAINAGE AND UTILITIES
42-52	PLAT OF HIGHWAYS
53	INTERSECTION GRADING DETAILS
54-55	PAVEMENT MARKING
56-57	SIGNING
58	EXISTING CABLE PLAN
59	TEMPORARY TRAFFIC SIGNAL PLAN
60	TEMPORARY CABLE PLAN
61-63	TRAFFIC SIGNAL INSTALLATION PLAN
64	CABLE PLAN
65-66	SEQUENCE OF OPERATIONS / SCHEDULE OF QUANTITIES
67	INTERCONNECT SCHEMATIC
68	MAST ARM MOUNTED STREET NAME SIGNS
69-72	TRAFFIC SIGNAL DETAILS
73-74	TEMPORARY STREET LIGHTING
75-76	TEMPORARY STREET LIGHTING DETAILS
77-88	CONSTRUCTION DETAILS
89-92	CULVERT PLANS
93-94	WATER METER VAULT DETAILS
95	PAVED DITCH PLAN
96-116	CROSS SECTIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED FEDERAL AID HIGHWAY
F.A.U. ROUTE 0326 (ESSINGTON ROAD)
AT HENNEPIN DRIVE
SECTION 06-00130-00-CH
PROJECT NO. M-8003(654)
INTERSECTION IMPROVEMENT
AND TRAFFIC SIGNAL MODERNIZATION
CITY OF JOLIET
WILL COUNTY
C-91-398-06



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

ASSOCIATE FIELD ENGINEER:
MELCHOR MANGOBA 847-705-4408 SCHAUMBURG, IL
CONSULTANT ENGINEER:
DAVID KREEGER, P.E. CIVILTECH ENGINEERING, INC.

CONTRACT NO. 63185

PROJECT LENGTH:
 ESSINGTON ROAD - 952.4 FT. (0.180 MILE) (NET & GROSS)
 HENNEPIN DRIVE - 2,048.7 FT. (0.388 MILE) (NET & GROSS)

DESIGN DESIGNATIONS:
 ESSINGTON ROAD - 27,000 (2030) • COLLECTOR TWS-4 • 1.135 (HMA OVERLAY-15)
 HENNEPIN DRIVE - 15,000 (2030) • COLLECTOR TWS-4 • 0.567 (HMA OVERLAY-15)

POSTED AND DESIGN SPEEDS:
 ESSINGTON ROAD - 30 MPH (POSTED) - 35 MPH (DESIGN)
 HENNEPIN DRIVE - 35 MPH (POSTED) - 40 MPH (DESIGN)



David A. Kreeger 5-27-09 11-30-09
 REGISTERED P.E., STATE OF ILLINOIS
 (COVERS SHEETS NO. 1-88 AND 94-118) EXPIRES



Gregory J. Hatlestad 5/27/09 11/30/10
 REGISTERED S.E., STATE OF ILLINOIS
 (COVERS SHEETS NO. 89-93) EXPIRES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED MAY 22 2009
James R. Tompa
 CITY OF JOLIET, DIRECTOR OF PUBLIC WORKS

PASSED JULY 16 2009
Christopher Holt
 DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW JULY 16, 2009
Diane M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PLANS PREPARED BY:

 450 E. Devon Ave, Suite 300 - Itasca, Illinois 60143
 Tel: 630.773.3900 - Fax: 630.773.3975
 www.civiltechinc.com

SIGNING, STRIPING & LANDSCAPING

1. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SODDED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER AND IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS" AND SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL ADHERE TO LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. ALL EXISTING TRAFFIC SIGNS WHICH INTERFERE WITH THE CONTRACTOR'S WORK SHALL BE REMOVED AND RELOCATED ON A SIGN SUPPORT APPROVED BY, AND AT A LOCATION DETERMINED BY, THE ENGINEER. THESE SIGNS SHALL BE MAINTAINED STRAIGHT AND CLEAN UNTIL THE PERMANENT SIGNS ARE REINSTALLED. AFTER THE PERMANENT SIGNS HAVE BEEN INSTALLED, UNUSED SIGNS AND POSTS SHALL BE RETURNED TO THE CITY OF JOLIET'S PUBLIC WORKS FACILITY.

THE COST OF RELOCATING THE EXISTING SIGNS AND THE TEMPORARY SIGN SUPPORTS AND THEIR SUBSEQUENT REMOVAL SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR "TRAFFIC CONTROL AND PROTECTION."
4. PAVEMENT MARKING TAPE, TYPE III, IF REQUIRED AND AT THE DIRECTION OF THE ENGINEER, SHALL BE APPLIED TO THE FINAL PAVEMENT SURFACE PRIOR TO APPLICATION OF THE PERMANENT PAVEMENT MARKING, IN ACCORDANCE WITH SECTIONS 703 AND 1095 OF THE STANDARD SPECIFICATIONS.

MATERIALS QC/QA POLICY

1. ALL HOT-MIX ASPHALT AND P.C. CONCRETE MATERIALS USED ON THIS PROJECT SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S QC/QA REQUIREMENTS.
2. THE CONTRACTOR SHALL PROVIDE QC TESTING TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF MATERIALS ORDER BOARD (PHONE: (847) 705-4337 OR FAX: (847) 705-4529) BY 4:00 P.M., 24 HOURS IN ADVANCE OF CONSTRUCTION FOR INSPECTION OF ALL HOT-MIX ASPHALT AND CONCRETE MATERIALS USED ON THIS PROJECT.
3. THE CONTRACTOR IS TO SUBMIT A QC PLAN FOR HMA AND CONCRETE MATERIALS TO THE QA MANAGER FOR APPROVAL PRIOR TO CONSTRUCTION OPERATIONS COMMENCING. THE QA MANAGER WILL APPROVE THIS PLAN AND COPY THE DISTRICT MATERIALS OFFICE ON THE APPROVAL LETTER.
4. QC AND QA REPORTS FOR CONCRETE WILL BE SENT TO THE DISTRICT BUREAU OF MATERIALS OFFICE AFTER REVIEW AND APPROVAL BY THE QA MANAGER.
5. QC REPORT FOR HOT-MIX ASPHALT MIXTURES WILL BE TRANSMITTED DIRECTLY BY THE CONTRACTOR DAILY DURING PRODUCTION. THE DISTRICT WILL REVIEW AND RETAIN THE QA PLANT REPORTS. THE QA FIELD REPORTS CAN BE SUBMITTED BY THE QA MANAGER TO THE DISTRICT VIA THE DISTRICT LOCAL ROADS OFFICE.
6. THE COSTS TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF THE VARIOUS HOT-MIX ASPHALT AND P.C. CONCRETE ITEMS.

MISCELLANEOUS

1. THE CONTRACTOR SHALL ADHERE TO IDOT STANDARD DRAWING DRAWING NO. 701801-04 WHEN CLOSING ANY SIDEWALK TO PERMIT CONSTRUCTION OF THE IMPROVEMENTS.
2. UNLESS OTHERWISE NOTED IN THE PLANS OR AUTHORIZED BY THE ENGINEER, ALL EXISTING ACCESS POINTS SHALL BE MAINTAINED AT ALL TIMES BY THE CONTRACTOR.
3. THE CONTRACTOR SHALL NOT CROSS COMPLETED BINDER COURSE, OR EXISTING PAVEMENT NOT SCHEDULED TO BE REMOVED, WITH CONSTRUCTION EQUIPMENT WHICH MAY DAMAGE THE PAVEMENT.

IDOT HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-05 CURB RAMPS FOR SIDEWALKS
- 442201-03 CLASS C AND D PATCHES
- 542301-02 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 602001-01 CATCH BASIN TYPE A
- 602011-01 CATCH BASIN TYPE C
- 602301-02 INLET TYPE A
- 602306-02 INLET TYPE B
- 602401-02 MANHOLE TYPE A
- 602801-02 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-02 CAST IRON STEPS
- 604001-03 FRAME AND LIDS TYPE 1
- 604036-02 GRATE TYPE 8
- 604051-03 FRAME AND GRATE TYPE 11
- 604091-02 FRAME AND GRATE TYPE 24
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 606306-03 CORRUGATED PC CONCRETE MEDIANS
- 701501-05 URBAN LANE CLOSURE, 2L, 2W, DIVIDED
- 701602-04 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701606-06 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-06 URBAN LANE CLOSURE, MULTILANE, INTERSECTION, FOR SPEEDS < 45 MPH
- 701801-04 LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE, FOR SPEEDS < 45 MPH
- 701901-01 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-02 SIGN PANEL ERECTION DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001-02 HANDHOLES
- 814006-02 DOUBLE HANDHOLES
- 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 862001-01 UNINTERRUPTABLE POWER SUPPLY
- 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
- 877001-04 STEEL MAST ARM ASSEMBLY AND POLE
- 877011-04 STEEL COMBO MAST ARM ASSEMBLY & POLE
- 878001-07 CONCRETE FOUNDATION DETAILS
- 880001-01 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUT FOR DETECTION LOOPS

FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & STATE STANDARDS ESSINGTON ROAD AT HENNEPIN DRIVE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN BLG/KRK	REVISED --					0326	06-00130-00-CH	WILL	116	3
	PLOT SCALE =	CHECKED DJK	REVISED --		SCALE:			CONTRACT NO. 63185				
	PLOT DATE =	DATE 5-29-09	REVISED --		SHEET NO. 2 OF 2 SHEETS			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)				

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	I000-2A	Y007	Y031-1F	Y030-1E	Y060
				ROADWAY	CULVERT	TRAFFIC SIGNALS	LIGHTING	WATERMAIN
				80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	565	565				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	117	117				
20101000	TEMPORARY FENCE	FOOT	3000	3000				
20101100	TREE TRUNK PROTECTION	EACH	75	75				
X 20101200	TREE ROOT PRUNING	EACH	75	75				
X 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	7	7				
20200100	EARTH EXCAVATION	CUYD	3322	3322				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CUYD	3230	3230				
20400800	FURNISHED EXCAVATION	CUYD	2688	2688				
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CUYD	139	139				
20800150	TRENCH BACKFILL	CUYD	175	110				65
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQYD	1548	1548				
X 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	11100	11100				
21300010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100				
X 25000300	SEEDING, CLASS 3	ACRE	1.3	1.3				
X 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	178	178				
X 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	178	178				
X 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	178	178				
X 25100630	EROSION CONTROL BLANKET	SQ YD	6470	6470				
X 25200110	SODDING, SALT TOLERANT	SQ YD	4630	4630				
X 25200200	SUPPLEMENTAL WATERING	UNIT	70	70				
X 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	229	229				
28000510	INLET FILTERS	EACH	76	76				
28200200	FILTER FABRIC	SQ YD	45	45				
28500400	ARTICULATED BLOCK REVETMENT MAT	SQ YD	45	45				
31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	894	894				
35501302	HOT-MIX ASPHALT BASE COURSE, 4 1/2"	SQ YD	2418	2418				
35501306	HOT-MIX ASPHALT BASE COURSE, 5 1/2"	SQ YD	1346	1346				
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	6101	6101				
40600300	AGGREGATE (PRIME COAT)	TON	42	42				
40600895	CONSTRUCTING TEST STRIP	EACH	2	2				

X INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN <i>BLG/KRK</i>	REVISED -		ESSINGTON ROAD AT HENNEPIN DRIVE AND MALL LOOP DRIVE			0326	06-00130-00-CH	WILL	116	4
		CHECKED <i>DJK</i>	REVISED -		SCALE:	SHEET NO. 1 OF 8 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS		CONTRACT NO. 63185		
		DATE <i>5-29-09</i>	REVISED -				FED. AID PROJECT M-8003(654)					

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	1000-2A	Y007	Y031-1F	Y030-1E	Y060
				ROADWAY	CULVERT	TRAFFIC SIGNALS	LIGHTING	WATERMAIN
				80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	148	148				
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	2322	2322				
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	1604	1604				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1293	1293				
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	774	774				
42001300	PROTECTIVE COAT	SQ YD	5189	5189				
42300710	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH, SPECIAL	SQ YD	59	59				
42300800	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH, SPECIAL	SQ YD	312	312				
42400430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	22244	22244				
42400800	DETECTABLE WARNINGS	SQ FT	186	186				
44000100	PAVEMENT REMOVAL	SQ YD	507	507				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	15304	15304				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	1113	1113				
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1270	1270				
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	495	495				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	6199	6199				
44000600	SIDEWALK REMOVAL	SQ FT	16807	16807				
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	252	252				
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	764	764				
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	1082	1082				
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	854	854				
50105220	PIPE CULVERT REMOVAL	FOOT	327		327			
51500100	NAME PLATES	EACH	1		1			
54001000	BOX CULVERT END SECTIONS	EACH	2		2			
54010605	PRECAST CONCRETE BOX CULVERT 6' X 5'	FOOT	381		381			
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	5	5				
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	286	286				
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	141	141				
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	47	47				
55100500	STORM SEWER REMOVAL 12"	FOOT	335	335				
55101600	STORM SEWER REMOVAL 36"	FOOT	56	56				

X INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN <i>BLG/KRK</i>	REVISED -		ESSINGTON ROAD AT HENNEPIN DRIVE AND MALL LOOP DRIVE		0326	06-00130-00-CH	WILL	116	5
		CHECKED <i>DJK</i>	REVISED -		SCALE:	SHEET NO. 2 OF 8 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS		CONTRACT NO. 63185	
		DATE <i>5-29-09</i>	REVISED -				FED. AID PROJECT M-8003(654)				

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	1000-2A	Y007	Y031-1F	Y030-1E	Y060
				ROADWAY	CULVERT	TRAFFIC SIGNALS	LIGHTING	WATERMAIN
				80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL
X 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	30					30
X 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	116					116
X 56103300	DUCTILE IRON WATER MAIN 12"	FOOT	67					67
X 56105100	WATER VALVES 10"	EACH	3					3
X 56105200	WATER VALVES 12"	EACH	3					3
X 56106600	ADJUSTING WATER MAIN 12"	FOOT	200					200
X 56106700	ADJUSTING WATER MAIN 16"	FOOT	80					80
X 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1					1
X 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2					2
X 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	2					2
X 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1					1
60107600	PIPE UNDERDRAINS 4"	FOOT	425	425				
60200205	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3				
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	6	6				
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	9	9				
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2	2				
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	2	2				
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	3	3				
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2				
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1				
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	8	8				
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	8	8				
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	2	2				
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5					5
60250200	CATCH BASINS TO BE ADJUSTED	EACH	2	2				
60255500	MANHOLES TO BE ADJUSTED	EACH	4	4				
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1				
X 60265700	VALVE VAULTS TO BE ADJUSTED	EACH	9					9
X 60266500	VALVE VAULTS TO BE REMOVED	EACH	2					2
X 60266600	VALVE BOXES TO BE ADJUSTED	EACH	3					3
60500060	REMOVING INLETS	EACH	8	8				
60500090	REMOVING INLETS TO MAINTAIN FLOW	EACH	20	20				

X INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN <i>BLG/KRK</i>	REVISED -		ESSINGTON ROAD AT HENNEPIN DRIVE AND MALL LOOP DRIVE			0326	06-00130-00-CH	WILL	116	6
		CHECKED <i>DJK</i>	REVISED -		SCALE:	SHEET NO. 3 OF 8 SHEETS			CONTRACT NO. 63185			
		DATE <i>5-29-09</i>	REVISED -					FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT M-8003(654)		

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	1000-2A	Y007	Y031-1F	Y030-1E	Y060
				ROADWAY	CULVERT	TRAFFIC SIGNALS	LIGHTING	WATERMAIN
				80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2383	2383				
60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	183	183				
60604200	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	80	80				
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2659	2659				
60605300	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MODIFIED)	FOOT	918	918				
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	39	39				
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	25	25				
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	3401	3401				
60624600	CORRUGATED MEDIAN	SQ FT	43	43				
66400105	CHAIN LINK FENCE, 4'	FOOT	198	198				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	10	10				
67100100	MOBILIZATION	L. SUM	1	1				
70101700	TRAFFIC CONTROL AND PROTECTION	L. SUM	1	1				
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1	1				
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	18	18				
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1618	1618				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	15843	15843				
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQFT	417	417				
X	70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	15309	15309			
X	70300635	TEMPORARY PAINT PAVEMENT MARKING LINE 6"	FOOT	2491	2491			
X	70300645	TEMPORARY PAINT PAVEMENT MARKING LINE 12"	FOOT	113	113			
X	70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	203	203			
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	6456	6456			
	72000100	SIGN PANEL - TYPE 1	SQ FT	160	160			
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	25	25			
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	247	247			
X	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	810	810			
X	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7722	7722			
X	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3783	3783			
X	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	136	136			
X	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	272	272			

X INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN <i>BLG/KRK</i>	REVISED -		ESSINGTON ROAD AT HENNEPIN DRIVE AND MALL LOOP DRIVE			0326	06-00130-00-CH	WILL	116	7
		CHECKED <i>DJK</i>	REVISED -		SCALE: SHEET NO. 4 OF 8 SHEETS			FED. ROAD DIST. NO. 7 ILLINOIS		CONTRACT NO. 63185		
		DATE <i>5-29-09</i>	REVISED -					FED. AID PROJECT M-8003(654)				

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	1000-2A	Y007	Y031-1F	Y030-1E	Y060
				ROADWAY	CULVERT	TRAFFIC SIGNALS	LIGHTING	WATERMAIN
				80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL
X 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	35	35				
X 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	259	259				
X 78300100	PAVEMENT MARKING REMOVAL	SQFT	1202	1202				
X 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	40	40				
X 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	753			753		
X 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	262			262		
X 81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	40			40		
X 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	319			319		
X 81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	53			53		
X 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	166			166		
X 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	478			478		
X 81019000	CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	103			103		
X 81400100	HANDHOLE	EACH	8			8		
X 81400200	HEAVY-DUTY HANDHOLE	EACH	7			7		
X 81400300	DOUBLE HANDHOLE	EACH	3			3		
X 81800340	AERIAL CABLE, 3-1/C NO. 8 WITH MESSENGER WIRE	FOOT	671				671	
X 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1208			1208		
X 84100110	REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	22				22	
X 84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	4				4	
X 84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	11				11	
X 84200700	LIGHTING FOUNDATION REMOVAL	EACH	15				15	
X 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1				1	
X 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1				1	
X 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1				1	
X 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1			1		
X 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2982			2982		
X 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1377			1377		
X 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4082			4082		
X 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3999			3999		
X 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	6129			6129		
X 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	24			24		
X 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	2			2		

X INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN <i>BLG/KRK</i>	REVISED -		ESSINGTON ROAD AT HENNEPIN DRIVE AND MALL LOOP DRIVE		0326	06-00130-00-CH	WILL	116	8
		CHECKED <i>DJK</i>	REVISED -		SCALE:	SHEET NO. 5 OF 8 SHEETS	FED. ROAD DIST. NO. 7 ILLINOIS		CONTRACT NO. 63185		
		DATE <i>5-29-09</i>	REVISED -				FED. AID PROJECT M-8003(654)				

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	1000-2A	Y007	Y031-1F	Y030-1E	Y060
				ROADWAY	CULVERT	TRAFFIC SIGNALS	LIGHTING	WATERMAIN
				80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL
X 87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	2			2		
X 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	3			3		
X 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT.	EACH	1			1		
X 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1			1		
X 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1			1		
X 87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1			1		
X 87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1			1		
X 87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1			1		
X 87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1			1		
X 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	36			36		
X 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4		
X 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	15			15		
X 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	75			75		
X 88030020	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3			3		
X 88030050	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4			4		
X 88030070	SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2			2		
X 88030080	SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5			5		
X 88030110	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3			3		
X 88030210	SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1			1		
X 88030250	SIGNAL HEAD, L.E.D., 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3			3		
X 88102717	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8			8		
X 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12			12		
X 88500100	INDUCTIVE LOOP DETECTOR	EACH	22			22		
X 88600100	DETECTOR LOOP, TYPE I	FOOT	1715			1715		
X 88700200	LIGHT DETECTOR	EACH	5			5		
X 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1		
X 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8			8		
X 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1		
X 89502200	MODIFY EXISTING CONTROLLER	EACH	1			1		
X 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	12168				12168	
X 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1		
X 89502380	REMOVE EXISTING HANDHOLE	EACH	8			8		
X 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8			8		

X INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES ESSINGTON ROAD AT HENNEPIN DRIVE AND MALL LOOP DRIVE			F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 9
		DRAWN <i>BLG/KRK</i>	REVISED -		SCALE:	SHEET NO. 6 OF 8 SHEETS	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT M-8003(654)		CONTRACT NO. 63185	
		CHECKED <i>DJK</i>	REVISED -									
		DATE <i>5-29-09</i>	REVISED -									

	CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	1000-2A	Y007	Y031-1F	Y030-1E	Y060
					ROADWAY	CULVERT	TRAFFIC SIGNALS	LIGHTING	WATERMAIN
					80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL
X	A2000120	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2 1/2" CALIPER, BALLED AND BURLAPPED	EACH	5	5				
X	A2004820	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2 1/2" CALIPER, BALLED AND BURLAPPED	EACH	18	18				
X	B2004120	TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	6	6				
X	D2000160	EVERGREEN, ABIES CONCOLOR (WHITE FIR), 5' HEIGHT, BALLED AND BURLAPPED	EACH	4	4				
X	K1005481	SHREDDED BARK MULCH 3"	SQ YD	396	396				
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	5600	5600				
	Z0022800	FENCE REMOVAL	FOOT	284	284				
Δ	Z0076600	TRAINEES	HOURL	1500	1500				
X	XX001249	ORNAMENTAL FENCE	FOOT	86	86				
X	XX002112	TEMPORARY LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	18				18	
X	XX003661	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	254			254		
X	XX004705	CONNECT TO EXISTING WATER MAIN 10"	EACH	1					1
X	XX004706	CONNECT TO EXISTING WATER MAIN 6"	EACH	1					1
X	XX004972	LINE STOPS 12"	EACH	2					2
X	XX005770	STRUCTURE TO BE ABANDONED	EACH	1					1
X	XX005773	CONNECT TO EXISTING WATER MAIN 12"	EACH	4					4
X	XX005937	L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	6			6		
	XX007567	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQYD	180	180				
X	XX011700	WATER MAIN FITTINGS	POUND	2145					2145
X	X0320772	WATER MAIN REMOVAL 12"	FOOT	51					51
	X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	11	11				
	X0322256	TEMPORARY INFORMATION SIGNING	SQFT	115	115				
	X0323381	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 1, 12"	FOOT	80	80				
	X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	228	228				
X	X0323827	WATER MAIN REMOVAL 10"	FOOT	43					43
	X0323863	STORM SEWERS, (WATER MAIN REQUIREMENTS) TYPE 2, 12"	FOOT	167	167				
X	X0323927	MAINTENANCE OF LIGHTING SYSTEM	EACH	1				1	
	X0323973	SEDIMENT CONTROL, SILT FENCE	FOOT	2861	2861				
	X0323974	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	300	300				
X	X0325705	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1			1		
X	X0325737	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1			1		

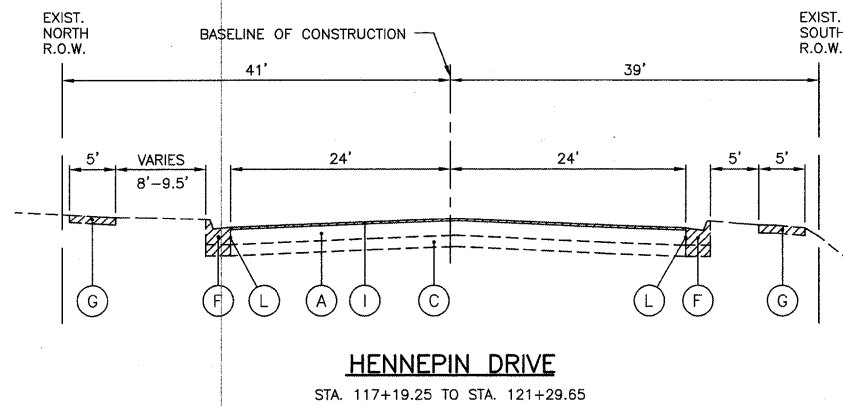
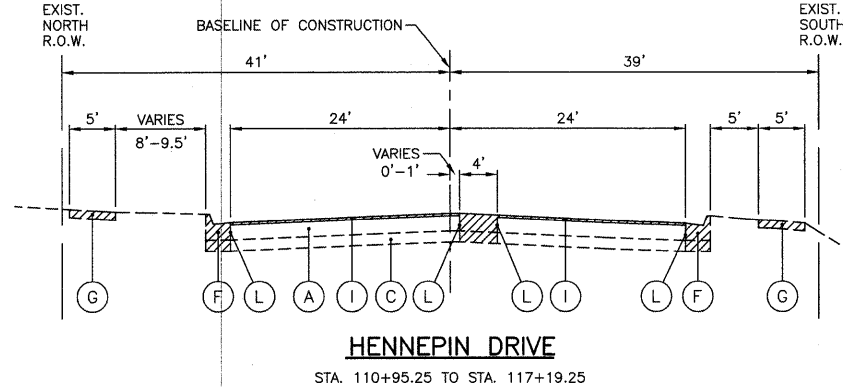
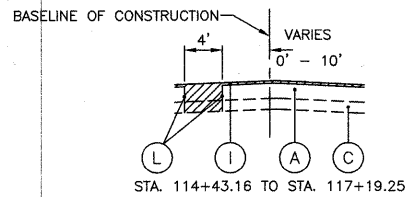
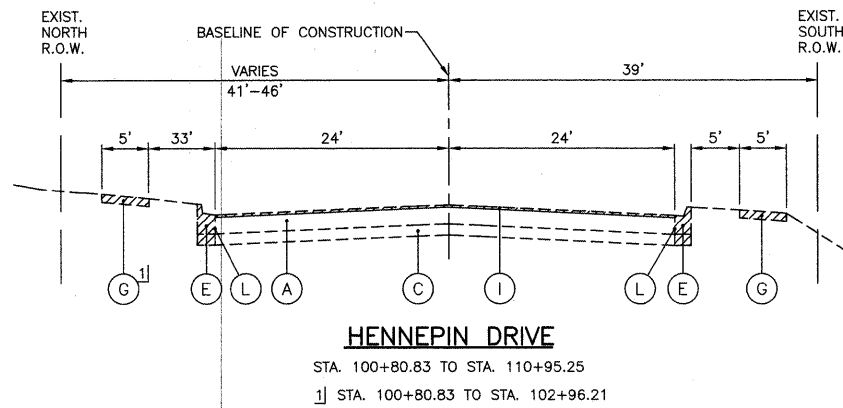
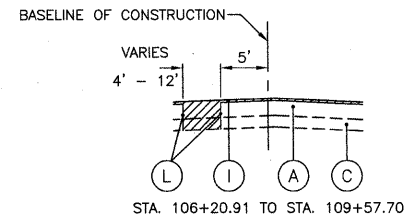
X INDICATES SPECIALTY ITEM
Δ Y080

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES ESSINGTON ROAD AT HENNEPIN DRIVE AND MALL LOOP DRIVE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN <i>BLG/KRK</i>	REVISED -				0326	06-00130-00-CH	WILL	116	10
PLOT SCALE =		CHECKED <i>DJK</i>	REVISED -		SCALE:	SHEET NO. 7 OF 8 SHEETS	CONTRACT NO. 63185				
PLOT DATE =		DATE <i>5-29-09</i>	REVISED -				FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT M-8003(654)			

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY	1000-2A	Y007	Y031-1F	Y030-1E	Y060
				ROADWAY	CULVERT	TRAFFIC SIGNALS	LIGHTING	WATERMAIN
				80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL	80% FEDERAL / 20% LOCAL
X	X0325792 WATER METER INSTALLED	EACH	1					1
	X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	3	3				
	X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3				
	X4023000 TEMPORARY ACCESS (ROAD)	EACH	1	1				
	X4067107 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	882	882				
X	X8050010 SERVICE INSTALLATION, GROUND MOUNTED	EACH	1			1		
X	X8620020 UNINTERRUPTIBLE POWER SUPPLY	EACH	1			1		
X	X8730027 ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1355			1355		
X	X8730250 ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	1344			1344		
X	X8950130 MODIFY EXISTING LIGHTING CONTROLLER	EACH	1				1	
X	XX008150 AERIAL CABLE, 5-1/C NO. 8 WITH MESSENGER WIRE	FOOT	1836				1836	
X	XX008151 TEMPORARY WOOD POLE, 55 FT., CLASS 4, 15 FT. MAST ARM	EACH	18				18	
X	XX008152 TEMPORARY WOOD POLE, 45 FT., CLASS 4	EACH	4				4	
	XX007995 PAVED DITCH REMOVAL	SQ YD	375	375				
	X0326653 PAVED DITCH (SPECIAL)	SQ YD	611	611				
	XX008153 DRILL AND GROUT #3 TIE BARS	EACH	138	138				
X	XX008154 RELOCATE EXISTING RADIO INTERCONNECT SYSTEM	EACH	2			2		
X	XX008155 WATER METER VAULT	EACH	1					1
X	AZ008517 TREE, ULMUS JAPONICA X WILSONIANA 'MORTON' (ACCOLADE ELM), 2 1/2" CALIPER, BALLED AND BURLAPPED	EACH	5	5				
X	XX008156 LINE STOPS 10"	EACH	1					1

X INDICATES SPECIALTY ITEM

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES ESSINGTON ROAD AT HENNEPIN DRIVE AND MALL LOOP DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	11	
		CHECKED <i>DJK</i>	REVISED -			CONTRACT NO. 63185					
		DATE <i>5-29-09</i>	REVISED -			SCALE:	SHEET NO. 8 OF 8 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-8003(654)	

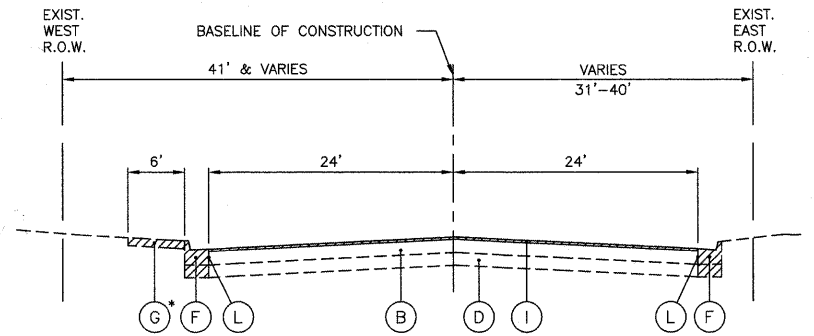


LEGEND

- (A) EXISTING ASPHALT PAVEMENT, 8" TO 14"
- (B) EXISTING ASPHALT PAVEMENT, 8" TO 10"
- (C) EXISTING AGGREGATE BASE, 4" TO 7"
- (D) EXISTING AGGREGATE BASE, 8" TO 28"
- (E) EXISTING TYPE B-6.12 CURB AND GUTTER
- (F) EXISTING TYPE B-6.24 CURB AND GUTTER
- (G) EXISTING P.C.C. SIDEWALK
- (H) EXISTING P.C.C. CHANNEL
- (I) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL (2" & VARIES)
- (K) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (L) PROPOSED FULL-DEPTH SAW CUT
- (M) EXISTING ASPHALT PAVEMENT, 6" TO 7"

ITEMS TO BE REMOVED

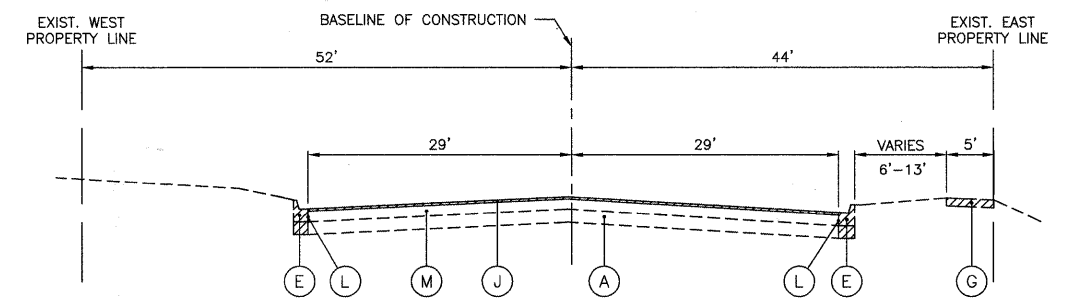
NOTE: EXISTING AGGREGATE BASE REMOVAL SHALL BE PAID FOR AS "EARTH EXCAVATION".



ESSINGTON ROAD

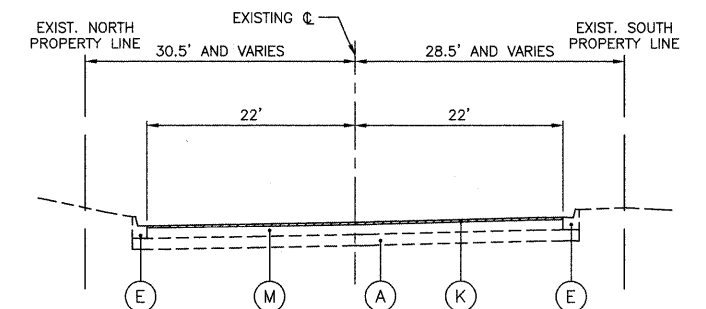
STA. 136+50 TO STA. 143+43.97

* SIDEWALK TO BE REMOVED AT LOCATIONS SHOWN ON PLANS.



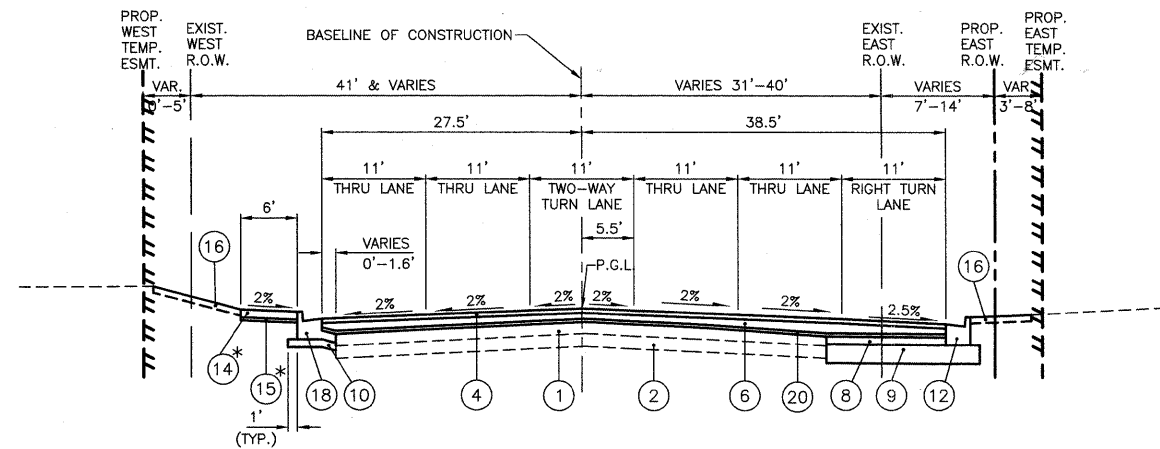
ESSINGTON ROAD

STA. 143+43.97 TO STA. 146+02.41



MALL LOOP DRIVE

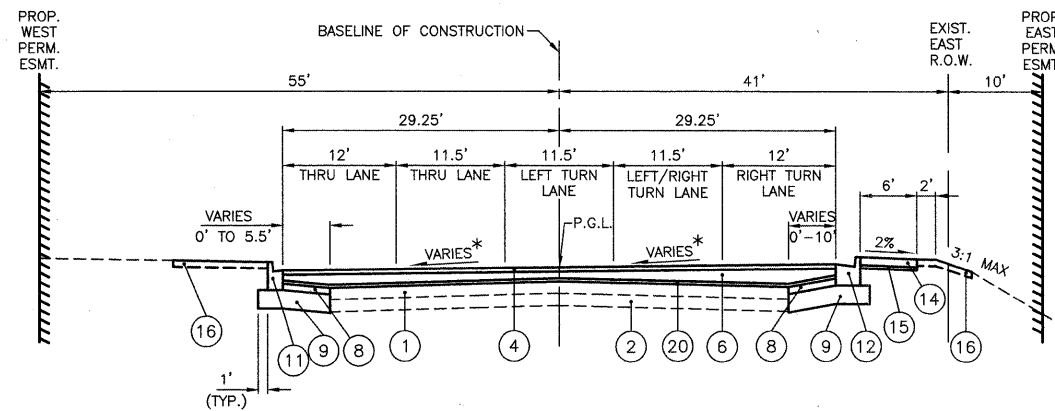
FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTIONS ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN BLG/KRK	REVISED --			0326	06-00130-00-CH	WILL	116	12	
		CHECKED DJK	REVISED --			CONTRACT NO. 63185					
		DATE 5-29-09	REVISED --			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					
					SCALE: NOT TO SCALE SHEET NO. 1 OF 3 SHEETS						



ESSINGTON ROAD

STA. 136+50 TO STA. 143+43.97

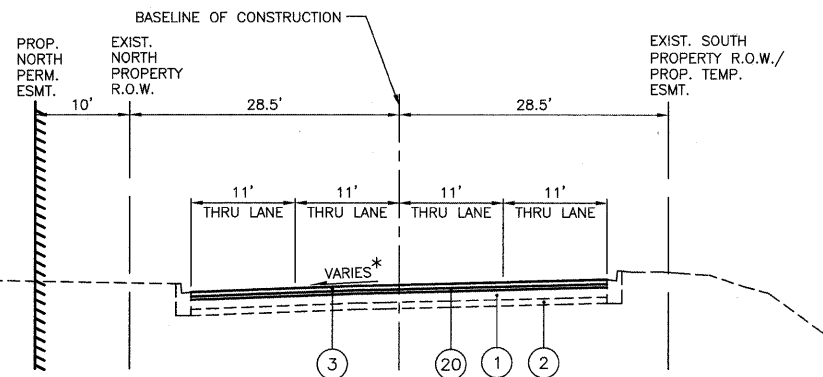
* SIDEWALK TO BE CONSTRUCTED AT LOCATIONS SHOWN ON PLANS



ESSINGTON ROAD

STA. 143+43.97 TO STA. 145+54.41

* SEE CROSS SECTIONS AND INTERSECTION GRADING PLAN (SHEET NO 53) FOR CROSS SLOPES



MALL LOOP DRIVE

* MATCH EXISTING CONDITIONS

LEGEND

- ① EXISTING ASPHALT PAVEMENT (TO REMAIN IN PLACE)
- ② EXISTING AGGREGATE BASE (TO REMAIN IN PLACE)
- ③ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 1 3/4"
- ④ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 1 3/4"
- ⑤ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (VAR. THICKNESS, MIN. 2 1/4")
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (VAR. THICKNESS, MIN. 2 1/4")
- ⑦ PROPOSED HOT-MIX ASPHALT BASE COURSE, 4 1/2"
- ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 5 1/2"
- ⑨ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑩ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑪ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑫ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑬ PROPOSED CONCRETE MEDIAN, TYPE SB-6.12
- ⑭ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL
- ⑮ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B 3" (INCLUDED IN THE COST OF "PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL")
- ⑯ PROPOSED SODDING, SALT TOLERANT PROPOSED TOPSOIL FURNISH AND PLACE, 4"
- ⑰ PROPOSED SODDING, SALT TOLERANT PROPOSED TOPSOIL FURNISH AND PLACE, 24"
- ⑱ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (MODIFIED) (SEE DETAIL SHEET NO. 85)
- ⑲ PROPOSED SEEDING, CLASS 3 PROPOSED TOPSOIL, FURNISH AND PLACE, 4"
- ⑳ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

HOT-MIX ASPHALT MIXTURE REQUIREMENT

PAY ITEM	AC TYPE	VOIDS
HOT-MIX ASPHALT RESURFACING (HENNEPIN DRIVE)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"	PG 64-22	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2 1/4" THICKNESS, MIN)	PG 64-22*	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
HOT-MIX ASPHALT RESURFACING (ESSINGTON ROAD)		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"	SBS/SBR PG 70-22	4% @ 90 GYR.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (2 1/4" THICKNESS, MIN.)	SBS/SBR PG 70-22	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
HOT-MIX ASPHALT RESURFACING (MALL LOOP DRIVE)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 3/4"	PG 64-22	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
PROPOSED WIDENING (HENNEPIN DRIVE)		
HOT-MIX ASPHALT BASE COURSE (HMA BINDER, IL-19 MM), 4 1/2"	PG 64-22*	4% @ 70 GYR.
PROPOSED WIDENING (ESSINGTON ROAD)		
HOT-MIX ASPHALT BASE COURSE (HMA BINDER, IL-19 MM), 5 1/2"	PG 64-22*	4% @ 90 GYR.
HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"		
HOT-MIX ASPHALT SURFACE COURSE MIX "C", N50, 1 1/2"	PG 64-22	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER, IL-19 MM), 2 1/2"	PG 64-22*	4% @ 50 GYR.
CLASS D PATCHES, 8 INCH		
CLASS D PATCH (HMA BINDER IL-19 MM), 8"	PG 64-22*	4% @ 70 GYR.

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.
* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

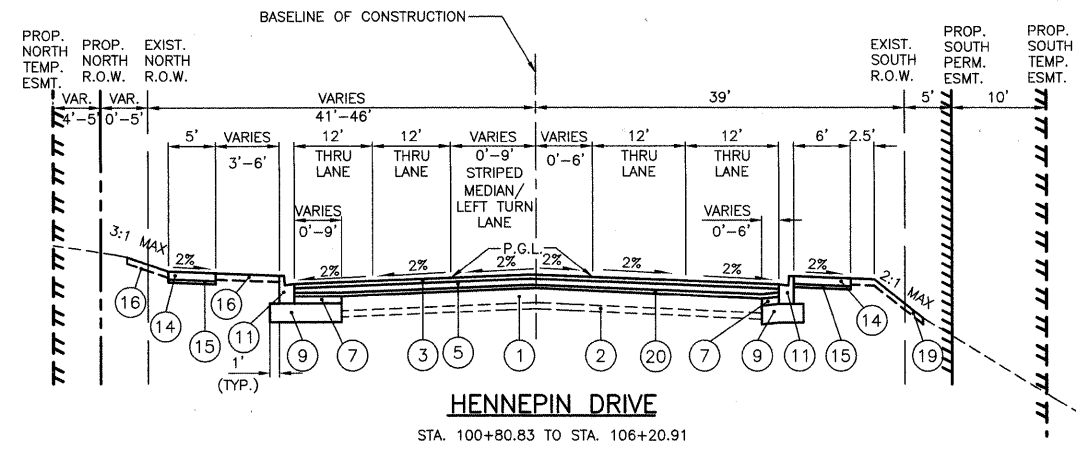
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		DRAWN BLG/KRK	REVISED -
	PLOT SCALE =	CHECKED DJK	REVISED -
	PLOT DATE =	DATE 5-29-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

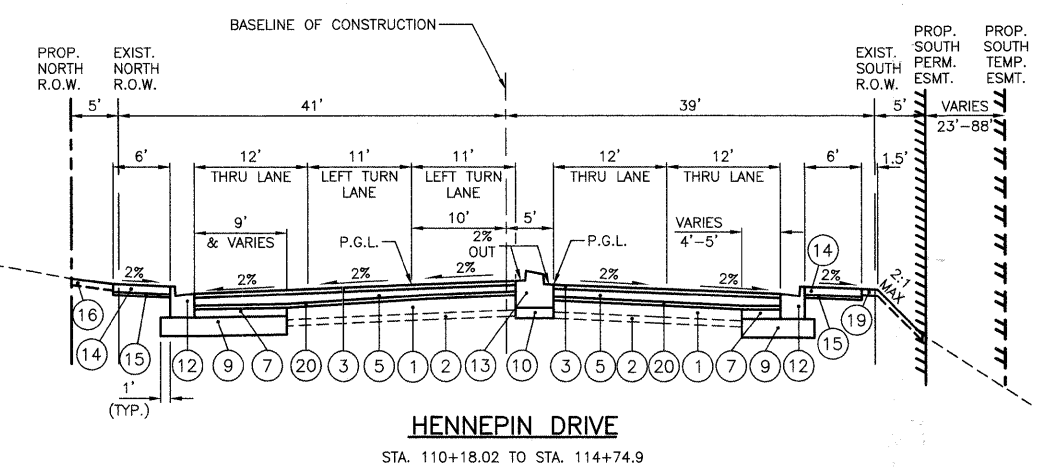
**PROPOSED TYPICAL SECTIONS
ESSINGTON ROAD AT HENNEPIN DRIVE**

SCALE: NOT TO SCALE SHEET NO. 2 OF 3 SHEETS

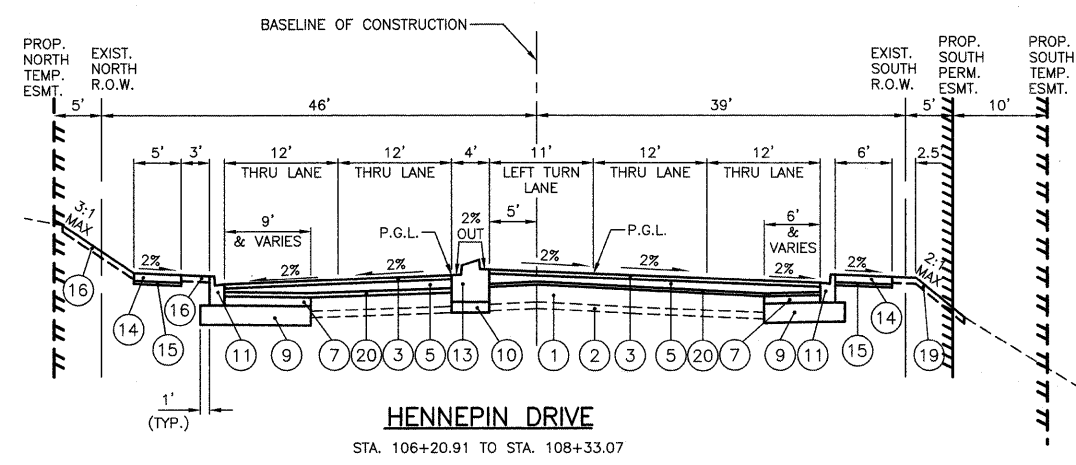
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	13
CONTRACT NO. 63185			FED. ROAD DIST. NO. 7 ILLINOIS	
			FED. AID PROJECT M-8003(654)	



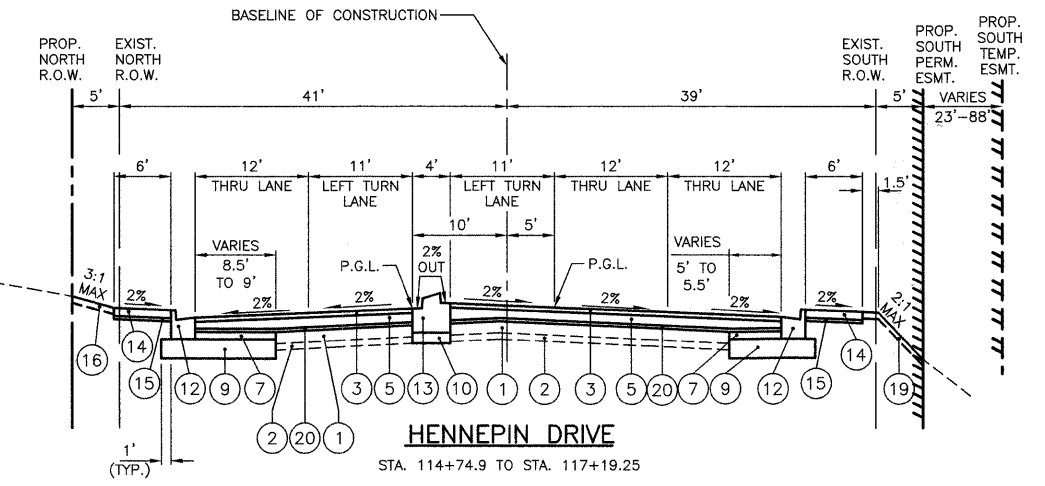
HENNEPIN DRIVE
STA. 100+80.83 TO STA. 106+20.91



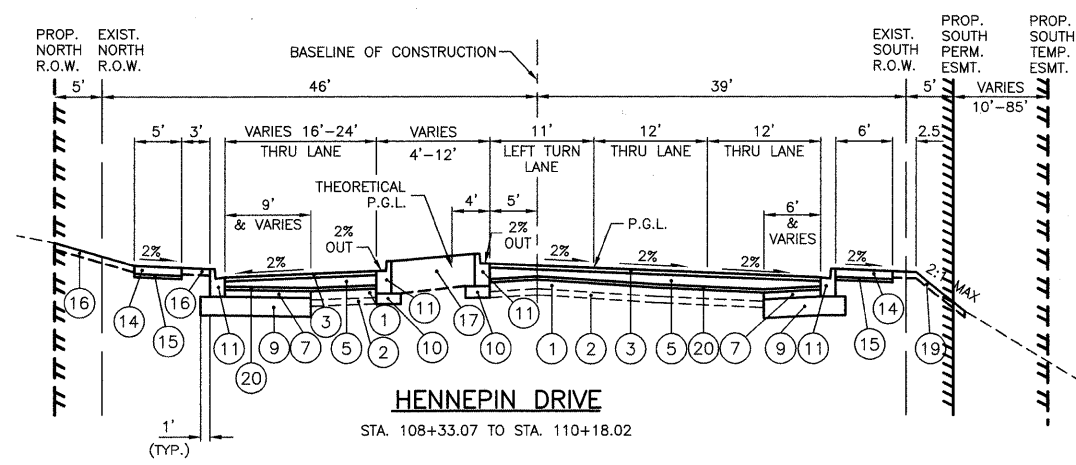
HENNEPIN DRIVE
STA. 110+18.02 TO STA. 114+74.9



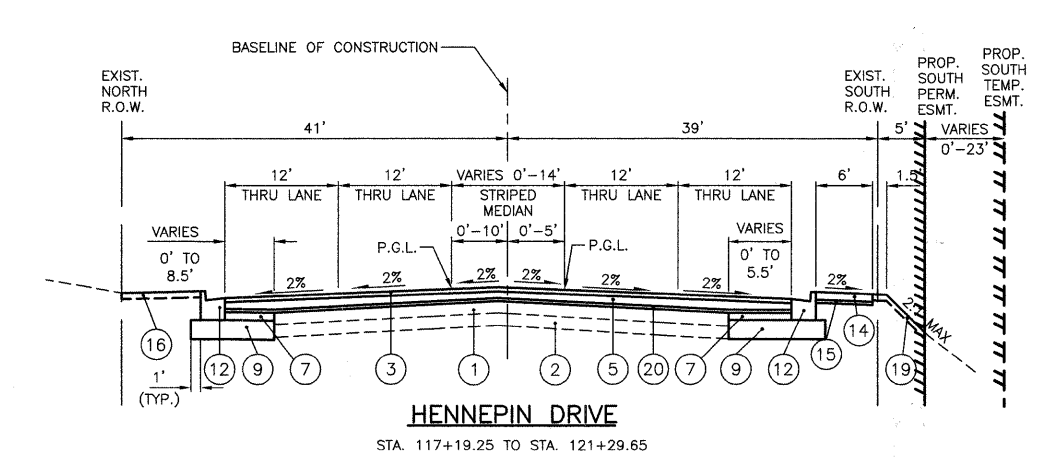
HENNEPIN DRIVE
STA. 106+20.91 TO STA. 108+33.07



HENNEPIN DRIVE
STA. 114+74.9 TO STA. 117+19.25



HENNEPIN DRIVE
STA. 108+33.07 TO STA. 110+18.02



HENNEPIN DRIVE
STA. 117+19.25 TO STA. 121+29.65

LEGEND

- ① EXISTING ASPHALT PAVEMENT (TO REMAIN IN PLACE)
- ② EXISTING AGGREGATE BASE (TO REMAIN IN PLACE)
- ③ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 1 3/4"
- ④ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 1 3/4"
- ⑤ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (VAR. THICKNESS, MIN. 2 1/4")
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (VAR. THICKNESS, MIN. 2 1/4")
- ⑦ PROPOSED HOT-MIX ASPHALT BASE COURSE, 4 1/2"
- ⑧ PROPOSED HOT-MIX ASPHALT BASE COURSE, 5 1/2"
- ⑨ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑩ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑪ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑫ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑬ PROPOSED CONCRETE MEDIAN, TYPE SB-6.12
- ⑭ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL
- ⑮ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B 3" (INCLUDED IN THE COST OF "PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL")
- ⑯ PROPOSED SODDING, SALT TOLERANT PROPOSED TOPSOIL FURNISH AND PLACE, 4"
- ⑰ PROPOSED SODDING, SALT TOLERANT PROPOSED TOPSOIL FURNISH AND PLACE, 24"
- ⑱ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24 (MODIFIED) (SEE DETAIL SHEET NO. 85)
- ⑲ PROPOSED SEEDING, CLASS 3 PROPOSED TOPSOIL, FURNISH AND PLACE, 4"
- ⑳ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN BLG/KRK	REVISED -			0326	06-00130-00-CH	WILL	116	14
PLOT SCALE =		CHECKED DJK	REVISED -			CONTRACT NO. 63185				
PLOT DATE =		DATE 5-29-09	REVISED -			SCALE: NOT TO SCALE SHEET NO. 3 OF 3 SHEETS			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)	

SCHEDULE OF DRIVEWAYS				
STATION	DRIVEWAY REMOVAL (SQ YD)	PCC DRIVEWAY 6 INCH, SPECIAL (SQ YD)	PCC DRIVEWAY 8 INCH, SPECIAL (SQ YD)	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4" (SQ YD)
136+87, LT (ESS)	19	24		
137+15, RT (ESS)	14	21		
138+12, RT (ESS)		14		
101+19, LT (HEN)	81		78	
114+49, LT (HEN)	146		99	
116+80, LT (HEN)	119			117
117+47, LT (HEN)	116		135	63

EARTHWORK SCHEDULE			
ITEM	UNIT	STAGE 1	STAGE 2
EARTH EXCAVATION	C.Y.	3312	10
EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	C.Y.	2815	9
EMBANKMENT REQUIRED	C.Y.	2687	1
EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	C.Y.	+128	+8

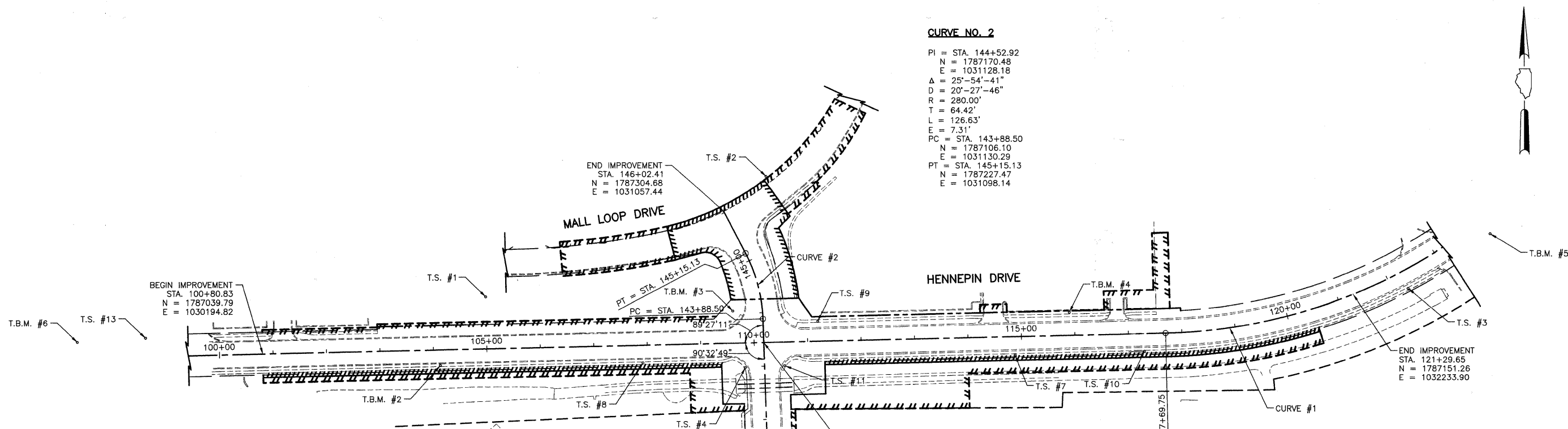
SHRINKAGE CALCULATED USING 15% SHRINKAGE FACTOR.

A PAY ITEM FOR "FURNISHED EXCAVATION" HAS BEEN INCLUDED ON THE ASSUMPTION THAT, DUE TO LIMITED WORKING SPACE, ALL EMBANKMENT MAY HAVE TO BE BROUGHT IN FROM OUTSIDE THE PROJECT LIMITS.

SCHEDULE OF TREE REMOVAL (ESSINGTON)		
STATION	6 TO 15 UNIT DIAMETER (SQ YD)	OVER 15 UNIT DIAMETER (SQ YD)
137+28, RT		28
137+64, RT	13	
138+26, RT	7	
138+26, RT	9	
138+32, RT	7	
138+55, RT	10	
139+11, RT		35
139+21, LT	10	
140+35, RT	7	
140+65, RT	8	
140+72, RT	11	
140+93, RT	12	
141+24, RT	7	
141+33, RT	11	
141+50, RT	11, 13	
141+58, RT	8	
141+70, RT	8	
141+92, RT	13	
142+18, RT		16
142+24, RT	8	
142+22, RT	8	
142+25, RT		20
142+29, RT	13	
142+42, RT	7	
142+46, RT	8	
142+29, RT		18
142+32, RT	8	
142+32, RT	6	
142+45, RT	7	
142+49, RT	8	
142+51, RT	7	
142+48, RT	6	
142+47, RT	7	
142+47, RT	8	
142+46, LT	7	
142+48, RT	8	
142+51, LT	6	
143+86, RT	11	
144+32, RT	10	

SCHEDULE OF TREE REMOVAL (HENNEPIN)		
STATION	6 TO 15 UNIT DIAMETER (SQ YD)	OVER 15 UNIT DIAMETER (SQ YD)
101+19, RT	6	
102+47, RT	6	
103+80, RT	6	
111+57, RT	6	
111+65, RT	9	
111+68, RT	9	
111+80, RT	7	
111+88, RT	9	
111+97, RT	8	
112+02, RT	9	
112+06, RT	8	
112+18, RT	6	
112+34, RT	13	
112+56, RT	8	
112+65, RT	6	
113+10, RT	11	
113+31, RT	7	
113+35, RT	8	
113+36, RT	6	
113+51, RT	6	
113+64, RT	9	
111+45, LT	6	
111+70, LT	6	
112+78, LT	7	
113+03, LT	6	
113+28, LT	10	
115+26, LT	9	
115+51, LT	8	
115+76, LT	9	
117+26, LT	12	
117+51, LT	9	
117+69, LT	6	
119+91, RT	6	

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES ESSINGTON ROAD AT HENNEPIN DRIVE AND MALL LOOP DRIVE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>BLG/KRK</i>	REVISED -				0326	06-00130-00-CH	WILL	116	15	
		CHECKED <i>DJK</i>	REVISED -		SCALE:		SHEET NO. 1 OF 1 SHEETS		CONTRACT NO. 63185			
		DATE <i>5-29-09</i>	REVISED -				FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT M-8003(654)			



CURVE NO. 2
 PI = STA. 144+52.92
 N = 1787170.48
 E = 1031128.18
 Δ = 25°-54'-41"
 D = 20'-27'-46"
 R = 280.00'
 T = 64.42'
 L = 126.63'
 E = 7.31'
 PC = STA. 143+88.50
 N = 1787106.10
 E = 1031130.29
 PT = STA. 145+15.13
 N = 1787227.47
 E = 1031098.14

CURVE NO. 1
 PI = STA. 121+36.31
 N = 1787087.61
 E = 1032249.74
 Δ = 40°-13'-29"
 D = 5'-43'-26"
 R = 1,001.00'
 T = 366.56'
 L = 702.76'
 E = 65.00'
 PC = STA. 117+69.75
 N = 1787079.08
 E = 1031883.28
 PT = STA. 124+72.51
 N = 1787330.77
 E = 1032524.03

CONTROL POINTS/BENCHMARKS

TS #	STATION	OFFSET	NORTHING	EASTING	ELEVATION
TS #1	104+99.99 (HENNEPIN)	97.2' LT.	1787146.73	1030611.60	607.87
TS #2	146+23.52 (ESSINGTON)	100.4' RT.	1787370.14	1031136.38	605.40
TS #3	122+26.20 (HENNEPIN)	33.1' RT.	1787162.24	1032336.83	603.87
TS #4	142+98.34 (ESSINGTON)	36.2' LT.	1787014.79	1031097.02	602.21
TS #5	139+97.54 (ESSINGTON)	42.7' RT.	1786716.75	1031185.84	601.14
TS #6	135+54.46 (ESSINGTON)	1.9' LT.	1786272.44	1031155.73	-
TS #7	114+87.41 (HENNEPIN)	34.6' RT.	1787037.96	1031601.82	604.52
TS #8	107+91.21 (HENNEPIN)	32.7' RT.	1787023.59	1030905.76	-
TS #9	111+19.97 (HENNEPIN)	37.5' LT.	1787101.42	1031232.80	-
TS #10	117+29.21 (HENNEPIN)	33.1' RT.	1787045.03	1031843.52	605.89
TS #11	142+99.42 (ESSINGTON)	38.0' RT.	1787018.31	1031171.21	604.43
TS #13	98+62.30 (HENNEPIN)	35.1' LT.	1787069.81	1029975.52	607.26

T.B.M. #1
RAILROAD SPIKE (SET) IN FIRST POWER POLE SOUTH OF CHEVY CHASE DRIVE ON EAST SIDE OF ESSINGTON ROAD. ELEVATION 603.08

T.B.M. #2
BOX CUT (SET) IN CONCRETE BASE OF THIRD LIGHT POLE WEST OF ESSINGTON ROAD ON THE SOUTH SIDE OF HENNEPIN DRIVE. ELEVATION 604.26

T.B.M. #3
FOUND BOX CUT IN SOUTHEAST CORNER OF CONCRETE PAD OF 2 ELECTRIC TRANSFORMERS IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF ESSINGTON ROAD AND HENNEPIN DRIVE. ELEVATION 604.12

T.B.M. #4
BOX CUT (SET) IN CONCRETE BASE OF LIGHT POLE ON THE NORTH SIDE OF HENNEPIN DRIVE. ELEVATION 607.71

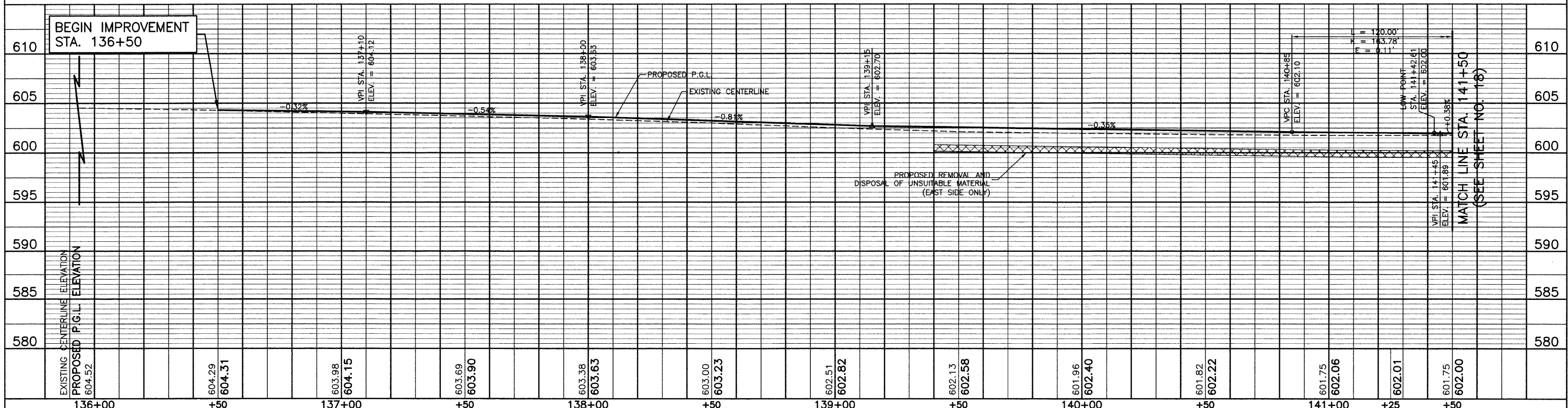
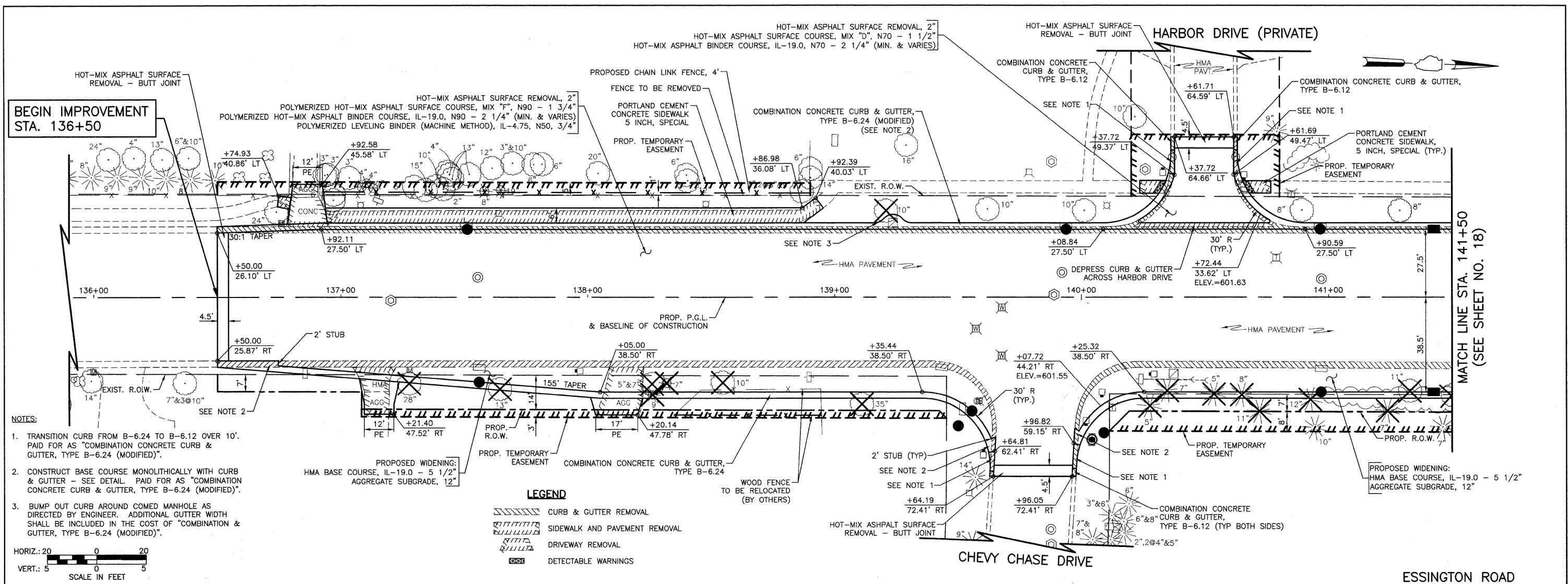
T.B.M. #5
BOX CUT (SET) IN CONCRETE BASE OF THIRD LIGHT POLE SOUTHWESTERLY OF U.S. 30 ON SOUTHEASTERLY SIDE OF HENNEPIN DRIVE. ELEVATION 603.07

T.B.M. #6
CROSS CUT (SET) IN NORTHEAST FLANGE BOLT OF FIRE HYDRANT IN THE NORTHWEST QUADRANT OF THE INTERSECTION OF HENNEPIN DRIVE AND MALL ACCESS ROAD. ELEVATION 690.41

T.B.M. #7
RAILROAD SPIKE (SET) IN SECOND POWER POLE NORTH OF GLASGOW COURT ON THE EAST SIDE OF ESSINGTON ROAD. ELEVATION 606.81

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RT. OF WAY	
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NOTE BOOK	
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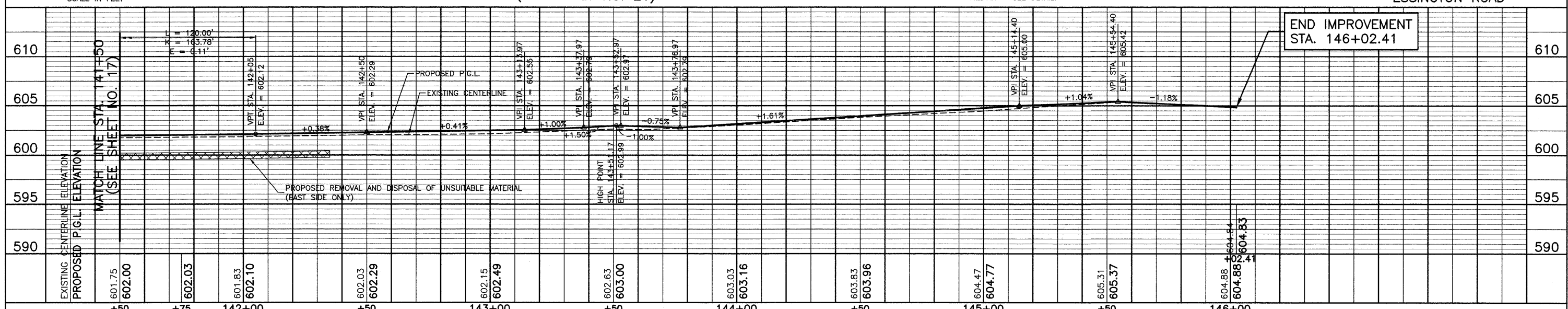
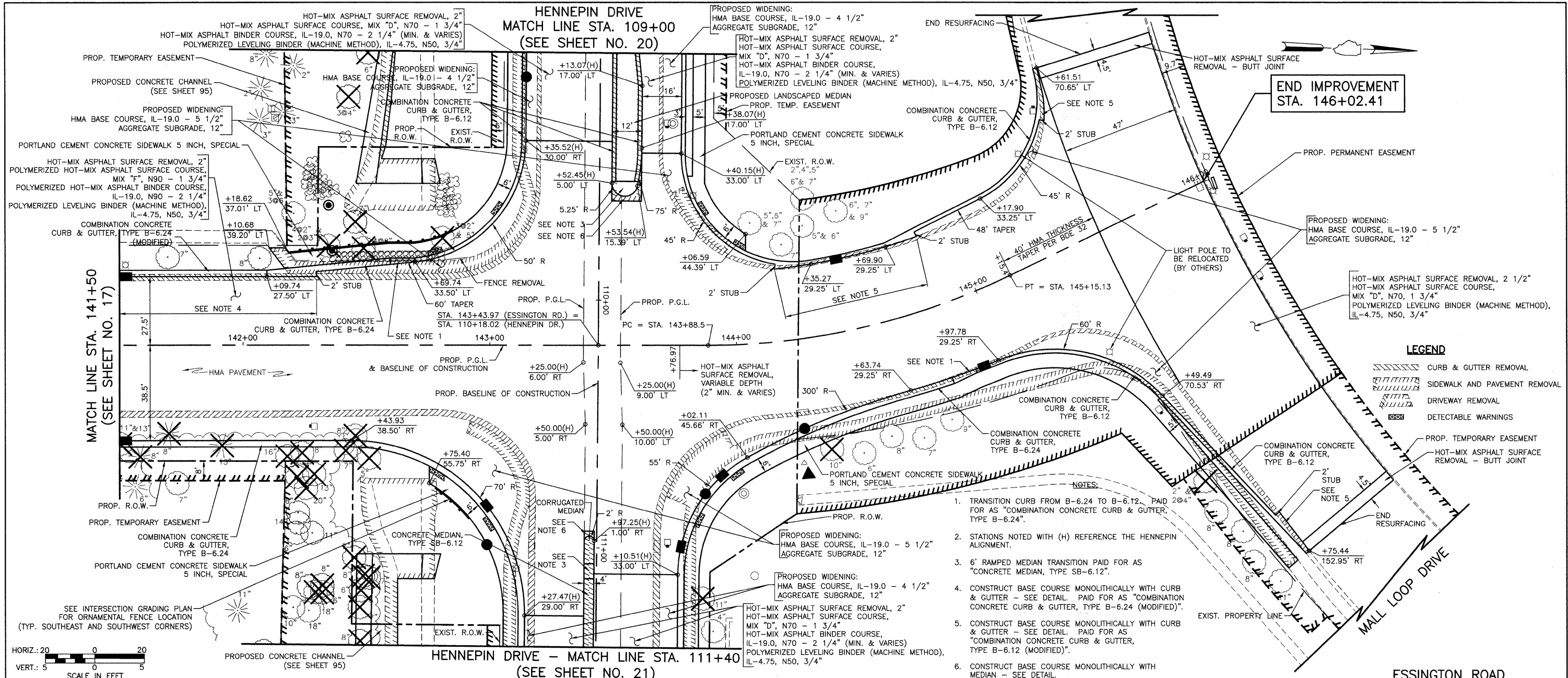
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STRUCTURE	
NOTATIONS	
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FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE ESSINGTON ROAD		F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 17	
	PLOT SCALE =	CHECKED <i>DJK</i>	REVISED -		SCALE: 1"=20'	SHEET NO. 1 OF 6 SHEETS	STA. 136+50 TO STA. 141+50	FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT M-8003(654)	CONTRACT NO. 63185		
	PLOT DATE =	DATE 5-29-09	REVISED -									

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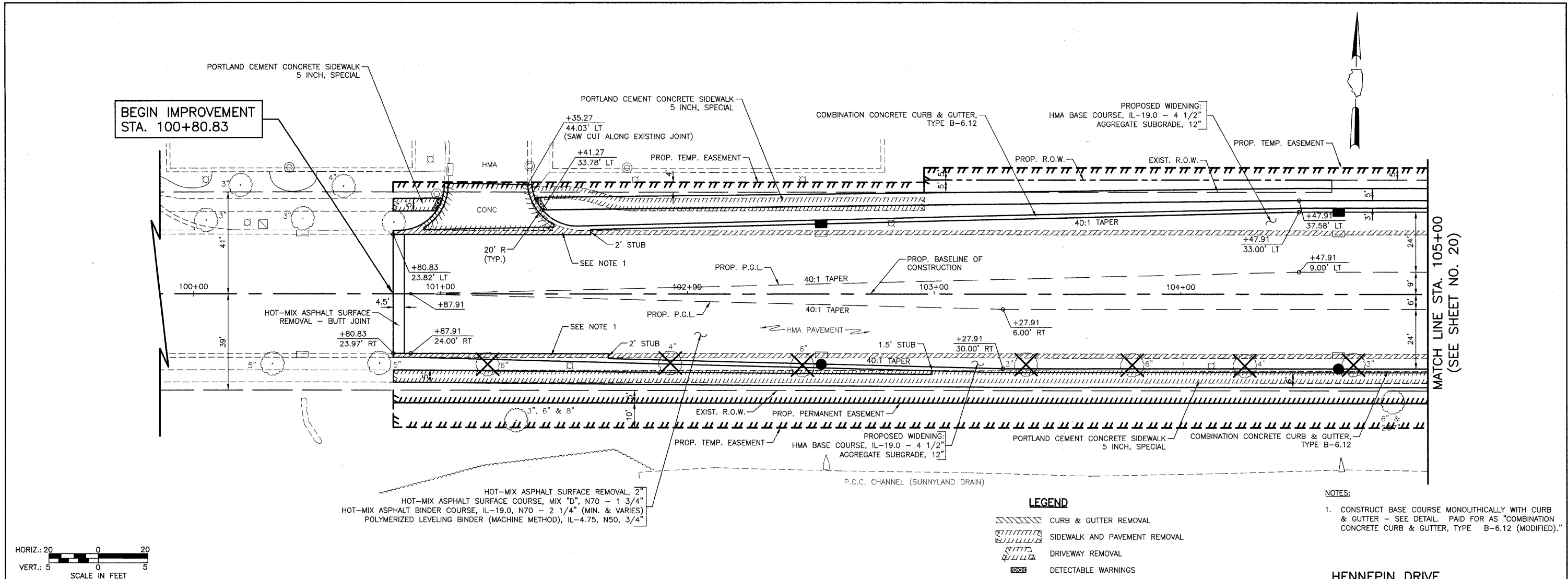
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		DRAWN	BLG/KRK	REVISED	-		ESSINGTON ROAD		0326	06-00130-00-CH	WILL	116	18
		CHECKED	DJK	REVISED	-		SCALE: 1"=20'	SHEET NO. 2 OF 6 SHEETS	STA. 141+50 TO STA. 146+02.41	CONTRACT NO. 63185			
		DATE	5-29-09	REVISED	-				FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-8003(654)		

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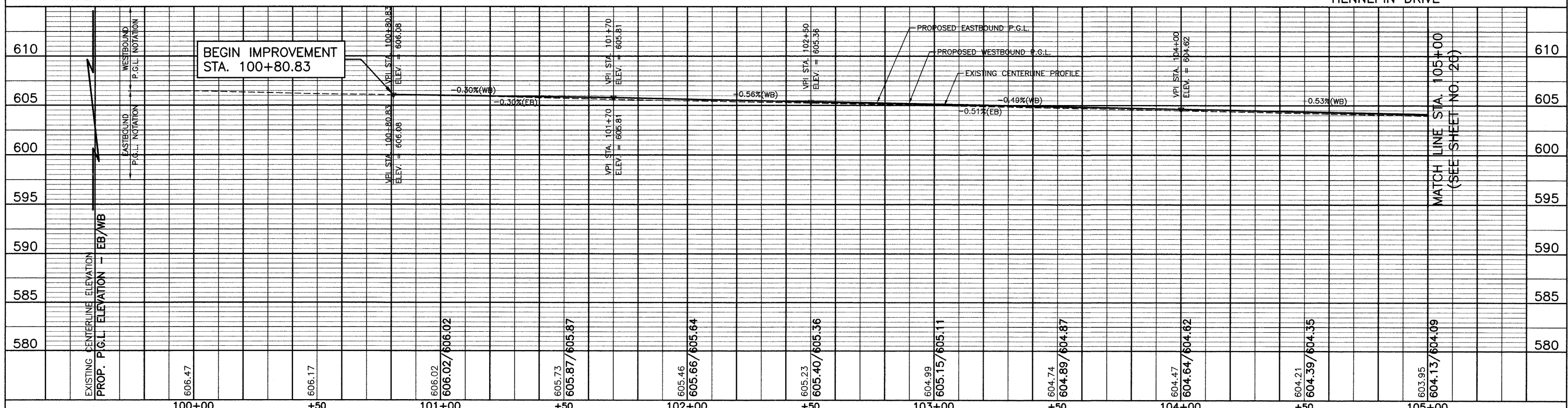
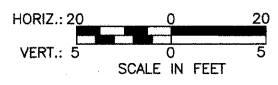


HOT-MIX ASPHALT SURFACE REMOVAL, 2"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 - 1 3/4"
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 - 2 1/4" (MIN. & VARIES)
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

LEGEND

- CURB & GUTTER REMOVAL
- SIDEWALK AND PAVEMENT REMOVAL
- DRIVEWAY REMOVAL
- DETECTABLE WARNINGS

NOTES:
1. CONSTRUCT BASE COURSE MONOLITHICALLY WITH CURB & GUTTER - SEE DETAIL. PAID FOR AS "COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12 (MODIFIED)."



FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE HENNEPIN DRIVE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN BLG/KRK	REVISED -			0326	06-00130-00-CH	WILL	116	19		
	CHECKED DJK	REVISED -			CONTRACT NO. 63185						
	DATE 5-29-09	REVISED -			SCALE: 1"=20'	SHEET NO. 3 OF 6 SHEETS	STA. 100+80.83 TO STA. 105+00	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-8003(654)	

PRE-STAGE 1 (NOT ILLUSTRATED)

1. SET-UP DETOUR AND CLOSE ESSINGTON ROAD AT THE CULVERT CROSSING.
2. REMOVE THE EXISTING PIPE CULVERTS AND CONSTRUCT THE NEW BOX CULVERTS AND CONCRETE CHANNEL WIDENING. ALL COMPENSATORY STORAGE EXCAVATION MUST BE COMPLETED PRIOR TO ANY FILLING WITHIN THE FLOODPLAIN.
3. PRIOR TO RE-OPENING ESSINGTON ROAD, PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS, AND BARRICADES AS SHOWN FOR STAGE 1.
4. INSTALL AND ACTIVATE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTION OF HENNEPIN DRIVE AND ESSINGTON ROAD. (NOTE: THE EXISTING SIGNALS SHALL BE TURNED OFF AT THE SAME TIME THE TEMPORARY SIGNALS ARE ACTIVATED.)
5. REMOVE EXISTING SIGNAL POLES AND EQUIPMENT.
6. INSTALL AND ACTIVATE TEMPORARY LIGHTING. NO OTHER WORK SHALL BE ALLOWED UNTIL THIS WORK IS COMPLETE, UNLESS APPROVED BY THE ENGINEER.

STAGE 1

1. PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS, AND BARRICADES. ADJUST TEMPORARY TRAFFIC SIGNALS AND SHIFT TRAFFIC AS INDICATED.
2. CLOSE EAST DRIVEWAY TO MOVIE THEATER.
3. REMOVE ALL CURB AND GUTTER, SIDEWALKS, AND ENTRANCES OUTSIDE THE EXISTING EDGES OF PAVEMENT.
4. CONSTRUCT STORM SEWERS AND DRAINAGE STRUCTURES OUTSIDE EXISTING EDGES OF PAVEMENT.
5. CONSTRUCT PROPOSED AGGREGATE SUBGRADE.
6. CONSTRUCT ALL CURB AND GUTTER, SIDEWALK, AND ENTRANCES OUTSIDE THE PROPOSED EDGES OF PAVEMENT. DAILY LANE CLOSURES, WHEN REQUIRED, SHALL BE IN ACCORDANCE WITH I.D.O.T. STANDARD 701606 OR 701701.
7. MILL THE EXISTING SURFACE ON HENNEPIN DRIVE, ESSINGTON ROAD, AND MALL LOOP DRIVE.
8. PLACE LEVELING BINDER AND BINDER COURSE ACROSS ALL LANES REQUIRED FOR STAGE 2 TRAFFIC, MAINTAINING TRAFFIC PER STANDARD 701606 OR 701701.

STAGE 2

1. PLACE ALL CONSTRUCTION SIGNS, TEMPORARY PAVEMENT MARKINGS, AND BARRICADES. ADJUST TEMPORARY TRAFFIC SIGNALS AND SHIFT TRAFFIC AS INDICATED.
2. REMOVE PAVEMENT ON HENNEPIN DRIVE WITHIN PROPOSED MEDIAN.
3. CONSTRUCT PROPOSED MEDIAN ON HENNEPIN DRIVE.
4. COMPLETE ALL LANDSCAPING.
5. PLACE HMA SURFACE COURSE THROUGHOUT PROJECT LIMITS. DAILY LANE CLOSURES SHALL BE IN ACCORDANCE WITH I.D.O.T. STANDARD 701606 OR 701701.
6. PLACE ALL PERMANENT PAVEMENT MARKINGS.

POST-STAGE 2 (NOT ILLUSTRATED)

1. REMOVE TEMPORARY TRAFFIC SIGNALS AND INSTALL AND ACTIVATE PERMANENT TRAFFIC SIGNALS AT THE INTERSECTION OF HENNEPIN DRIVE AND ESSINGTON ROAD AND AT THE MALL LOOP DRIVE. (NOTE: THE TEMPORARY SIGNALS SHALL BE TURNED OFF AT THE SAME TIME THE PERMANENT SIGNALS ARE ACTIVATED).
2. REMOVE CONSTRUCTION SIGNS AND OPEN ALL LANES TO TRAFFIC.

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE I.D.O.T. DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700; APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
2. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
3. ALL CONSTRUCTION SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
4. ALL SIGNS SHALL BE MOUNTED ON METAL POSTS, 7 FEET ABOVE THE EXISTING GROUND AND DRIVEN A MINIMUM OF 3 FEET INTO THE GROUND. A J.U.L.I.E. LOCATE SHALL BE PERFORMED PRIOR TO THE INSTALLATION OF THE POSTS.
5. BARRICADES WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE BARRICADES SHALL BE TYPE II OR DRUMS, NON-METALLIC WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS. SPACING SHALL BE AS SHOWN ON THE CONSTRUCTION STAGING PLANS UNLESS OTHERWISE DIRECTED BY THE ENGINEER. BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
6. ALL BARRICADES AT LANE DIVERSIONS WITHIN TAPER SECTIONS SHALL HAVE DIRECTION INDICATOR PANELS.
7. TYPE II BARRICADES OR DRUMS EQUIPPED WITH ONE-WAY FLASHING LIGHTS WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES. BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 25' ALONG TAPERS AND 10' AROUND RADII.
8. TYPE II BARRICADES AND DRUMS SHALL HAVE ALTERNATING REFLECTORIZED TYPE AA OR TYPE AP FLUORESCENT ORANGE AND REFLECTORIZED WHITE HORIZONTAL, CIRCUMFERENTIAL STRIPES.
9. DRUMS AND BARRICADES SHALL MEET THE REQUIREMENTS OF THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350.
10. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
11. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.
12. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED.
13. THE FIRST WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
14. EXISTING TRAFFIC CONTROL DEVICES ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGE CAUSED BY HIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
15. TEMPORARY LANE CLOSURES WILL BE ALLOWED ONLY BETWEEN THE HOURS OF 9:00 A.M. AND 3:00 P.M., WITH TRAFFIC MAINTAINED IN ACCORDANCE WITH STANDARD 701606 OR 701701 UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
16. "WORKERS" SIGNS SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN NO WORKERS ARE PRESENT.
17. "FRESH OIL" SIGNS (W21-2-4848) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO PRIMING. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION".
18. THE CONTRACTOR SHALL ERECT TEMPORARY STREET NAME SIGNS ON METAL POSTS THROUGHOUT CONSTRUCTION TO THE SATISFACTION OF THE ENGINEER. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION".

19. TEMPORARY PAVEMENT MARKING TAPE SHALL BE USED ON ALL SURFACES OUTSIDE OF THE RESURFACING LIMITS. THIS WORK SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING TAPE, TYPE III" OF THE SIZE SPECIFIED.

20. ARROW BOARDS WILL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES, AND SHALL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION".

21. THE COST OF SUPPLYING, ERECTING, AND MAINTAINING BARRICADES, DRUMS, WARNING LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION". QUANTITIES FOR SHORT-TERM PAVEMENT MARKINGS, TEMPORARY PAVEMENT MARKINGS, AND WORK ZONE PAVEMENT MARKING REMOVAL ARE NOT INCLUDED IN THE ITEM "TRAFFIC CONTROL AND PROTECTION" AND SHALL BE MEASURED SEPARATELY FOR PAYMENT.

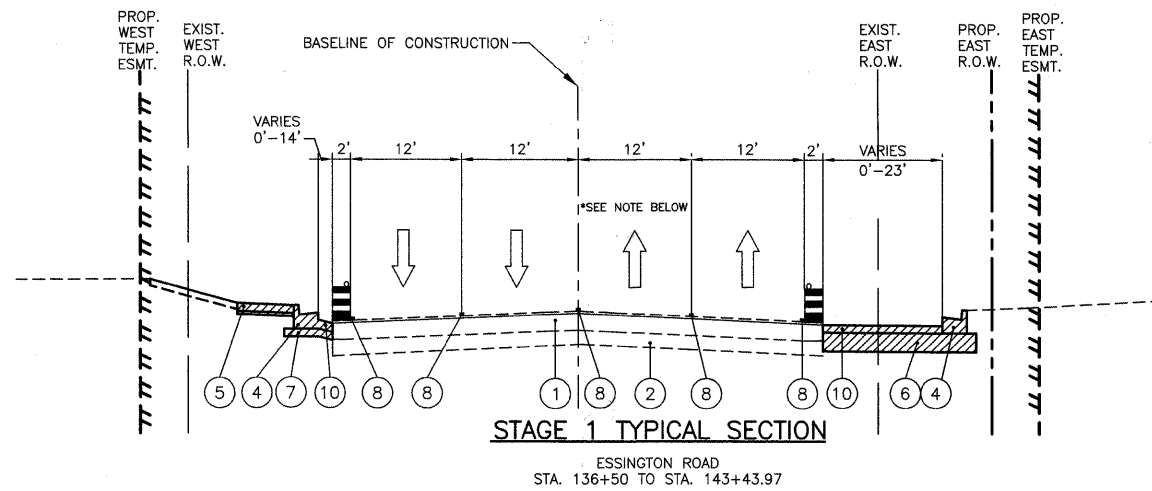
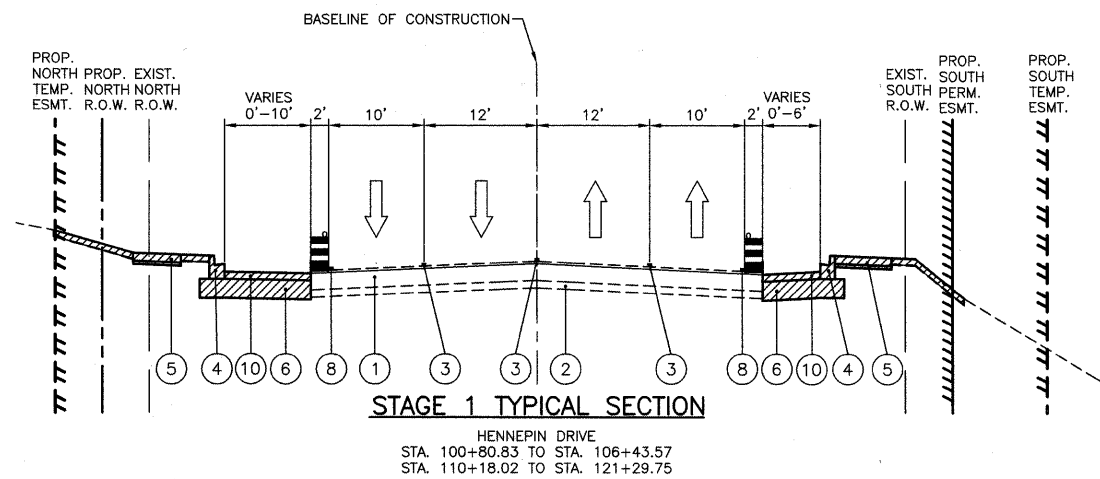
22. A QUANTITY FOR "CHANGEABLE MESSAGE SIGN" HAS BEEN INCLUDED FOR USE WHEN DIRECTED BY THE ENGINEER.

23. ACCESS TO PROPERTIES SHALL BE MAINTAINED AT ALL TIMES BY STAGE CONSTRUCTING THE IMPROVEMENTS IN FRONT OF ENTRANCES. A QUANTITY FOR "TEMPORARY INFORMATION SIGNING" HAS BEEN INCLUDED FOR USE WHEN DIRECTED BY THE ENGINEER TO PROVIDE GUIDANCE SIGNS WHEN A DRIVEWAY MUST BE CLOSED TEMPORARILY FOR CONSTRUCTION OF THE DRIVEWAY APRON. PROPERTIES WITH MULTIPLE ENTRANCES SHALL ONLY HAVE ONE ENTRANCE CLOSED AT A TIME.

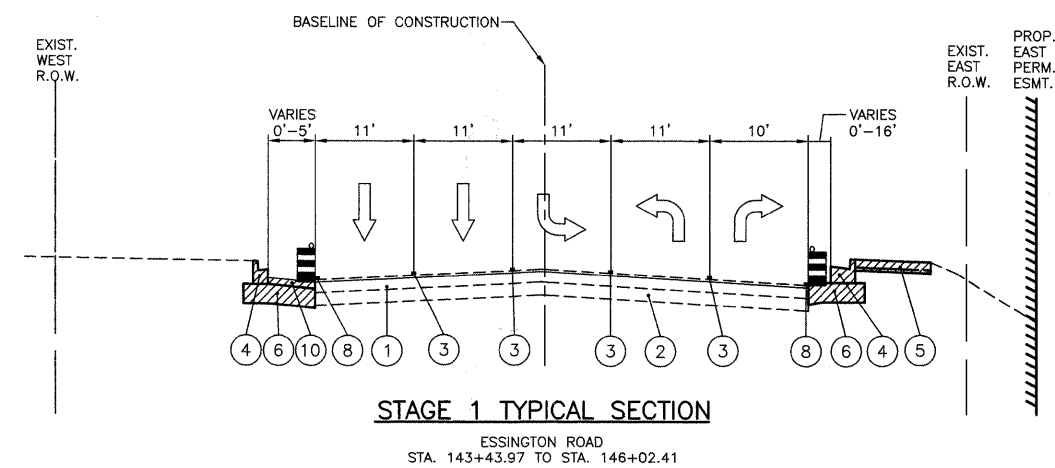
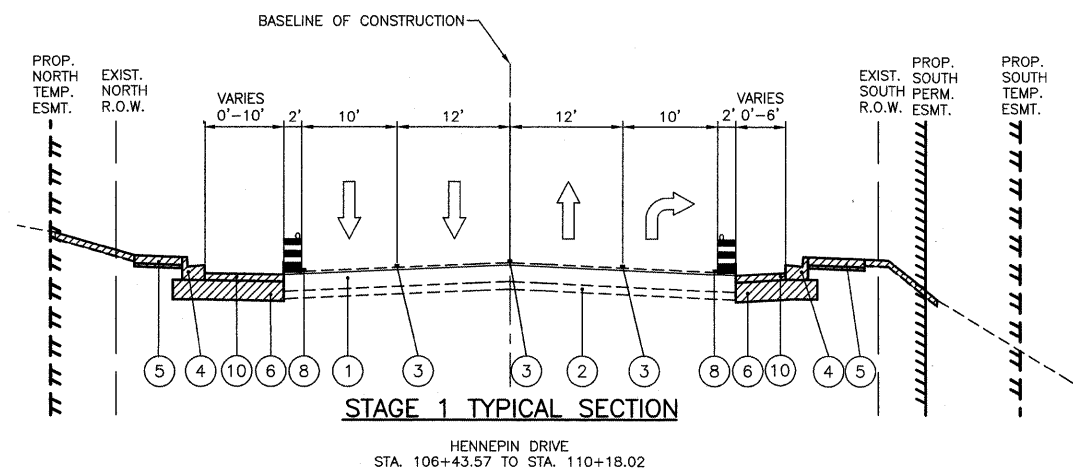
24. A QUANTITY OF ONE "AGGREGATE FOR TEMPORARY ACCESS (ROAD)" HAS BEEN INCLUDED FOR USE IN PROVIDING PEDESTRIAN ACCESS ACROSS THE WIDENING AT THE INTERSECTION OF HENNEPIN DRIVE AND ESSINGTON ROAD.

25. ALL INTERSECTING STREETS SHALL BE KEPT OPEN TO TRAFFIC, AS DIRECTED BY THE ENGINEER.

FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC GENERAL NOTES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN BLG/KRK	REVISED -				0326	06-00130-00-CH	WILL	116	23
	PLOT SCALE =	CHECKED DJK	REVISED -		ESSINGTON ROAD AT HENNEPIN DRIVE		CONTRACT NO. 63185				
	PLOT DATE =	DATE 5-29-09	REVISED -		SCALE:	SHEET NO. 1 OF 3 SHEETS	FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT M-8003(654)			



*NOTE: LEFT TURN LANE STA. 139+83.05 TO STA. 143+43.97



LEGEND

- ① EXISTING ASPHALT PAVEMENT
- ② EXISTING AGGREGATE BASE
- ③ EXISTING PAVEMENT MARKINGS (SOLID, DOTTED, OR SKIP-DASH)
- ④ PROPOSED COMBINATION CONCRETE CURB & GUTTER
- ⑤ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK
- ⑥ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
- ⑧ TEMPORARY PAINT PAVEMENT MARKINGS (SOLID, DOTTED, OR SKIP-DASH)
- ⑨ PROPOSED MEDIAN
- ⑩ PROPOSED PAVEMENT WIDENING



WORK ZONE



TRAFFIC FLOW



TYPE II BARRICADES OR DRUMS WITH MONO DIRECTIONAL STEADY BURN LIGHT

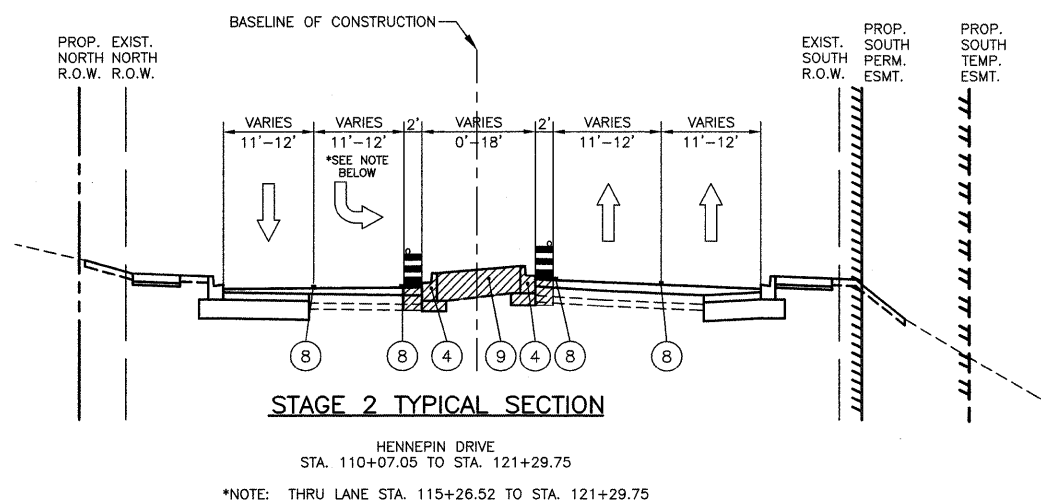
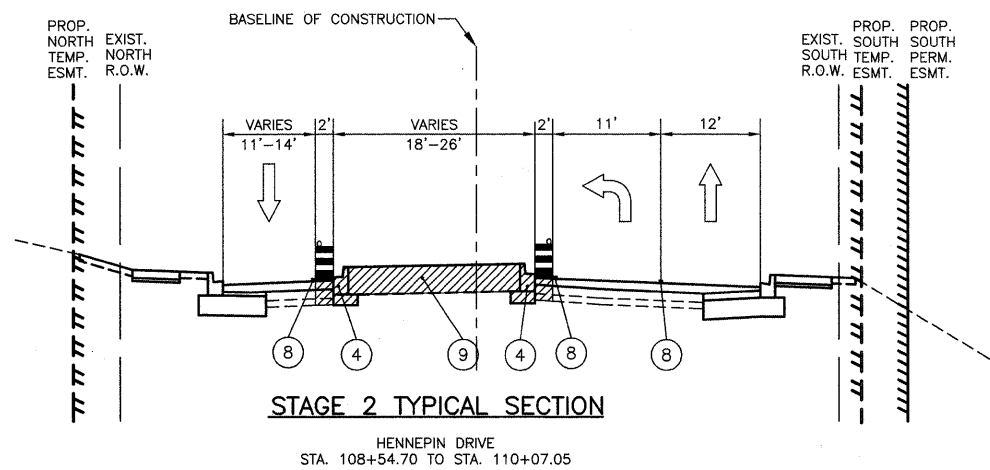
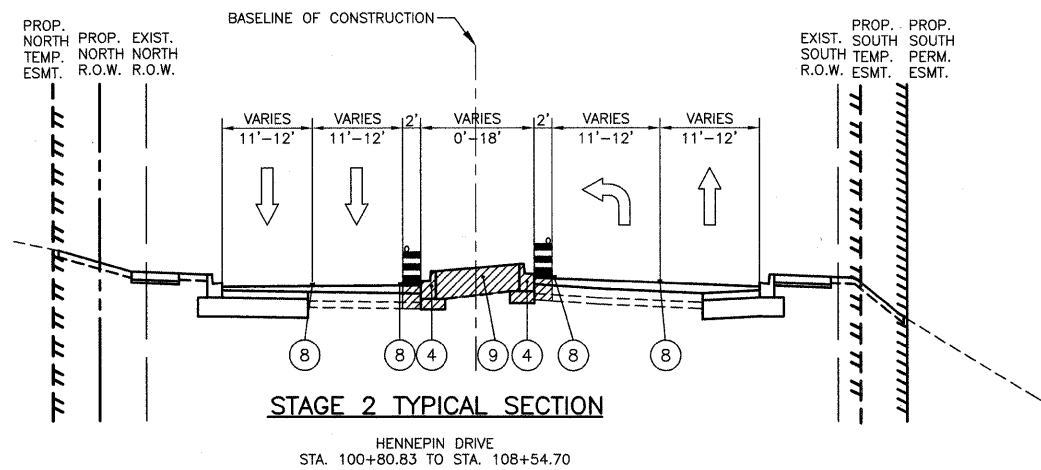
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		DRAWN BLG/KRK	REVISED --
	PLOT SCALE =	CHECKED DJK	REVISED --
	PLOT DATE =	DATE 5-29-09	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
ESSINGTON ROAD AT HENNEPIN DRIVE

SCALE: NOT TO SCALE SHEET NO. 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	24
CONTRACT NO. 63185			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)	



LEGEND

- ① EXISTING ASPHALT PAVEMENT
 - ② EXISTING AGGREGATE BASE
 - ③ EXISTING PAVEMENT MARKINGS (SOLID, DOTTED, OR SKIP-DASH)
 - ④ PROPOSED COMBINATION CONCRETE CURB & GUTTER
 - ⑤ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK
 - ⑥ PROPOSED AGGREGATE SUBGRADE, 12"
 - ⑦ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 6"
 - ⑧ TEMPORARY PAINT PAVEMENT MARKINGS (SOLID, DOTTED, OR SKIP-DASH)
 - ⑨ PROPOSED MEDIAN
 - ⑩ PROPOSED PAVEMENT WIDENING
-  WORK ZONE
-  TRAFFIC FLOW
-  TYPE II BARRICADES OR DRUMS WITH MONO DIRECTIONAL STEADY BURN LIGHT

FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED --
		DRAWN BLG/KRK	REVISED --
	PLOT SCALE =	CHECKED DJK	REVISED --
	PLOT DATE =	DATE 5-29-09	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

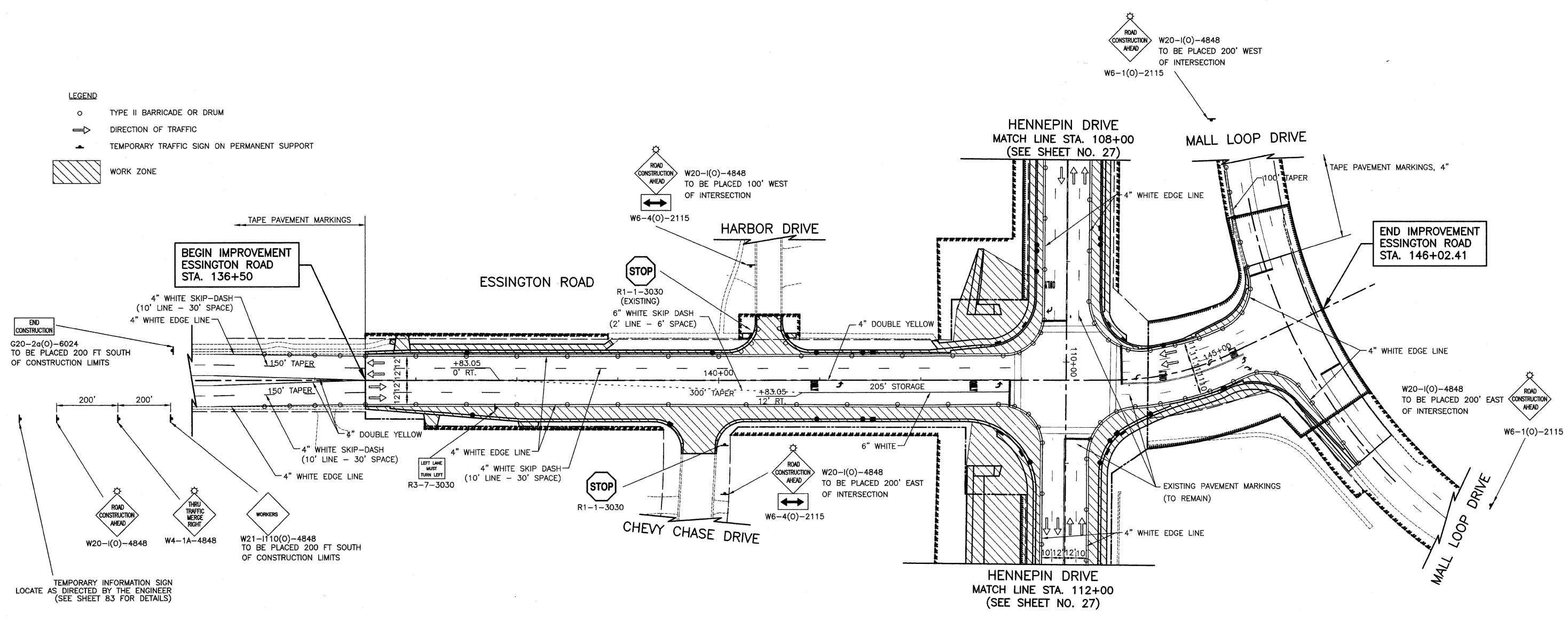
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS
ESSINGTON ROAD AT HENNEPIN DRIVE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	25
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 63185	
FED. AID PROJECT M-8003(654)				

SCALE: SHEET NO. 3 OF 3 SHEETS



- LEGEND**
- TYPE II BARRICADE OR DRUM
 - DIRECTION OF TRAFFIC
 - ▲ TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
 - ▨ WORK ZONE



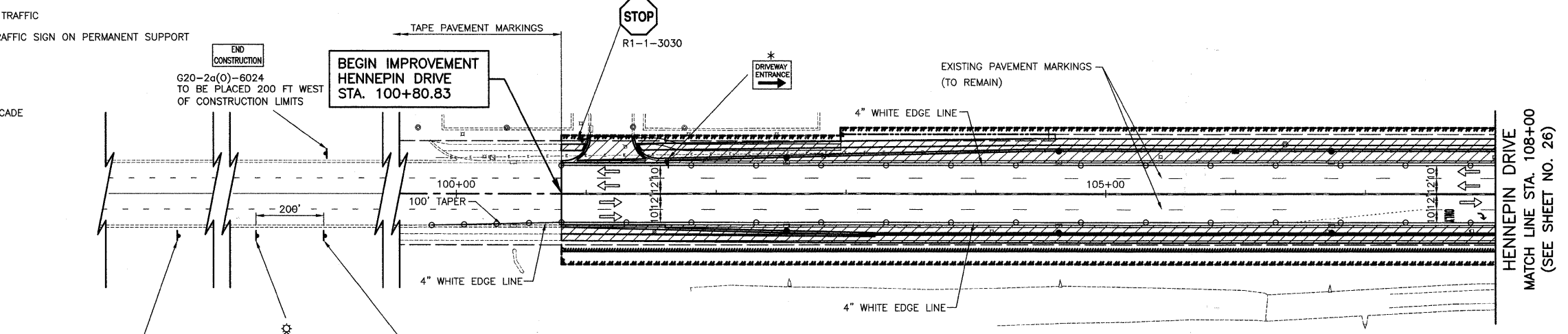
NOTES:
 1. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME =	DESIGNED <i>BLG/CRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN ESSINGTON ROAD AT HENNEPIN DRIVE - STAGE 1	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE =	CHECKED <i>DJK</i>	REVISED -	0326			06-00130-00-CH	WILL	116	26		
PLOT DATE =	DATE <i>5-29-09</i>	REVISED -	SCALE: 1"=50'			SHEET NO. 1 OF 4 SHEETS		CONTRACT NO. 63185			
						FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					

LEGEND

- TYPE II BARRICADE OR DRUM
- DIRECTION OF TRAFFIC
- ⬇️ TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- ▨ WORK ZONE
- ⚡ TYPE III BARRICADE

NOTE: RESTAURANT DRIVEWAY SHALL BE STAGE CONSTRUCTED SO THAT HALF OF THE DRIVEWAY SHALL BE OPEN AT ALL TIMES.

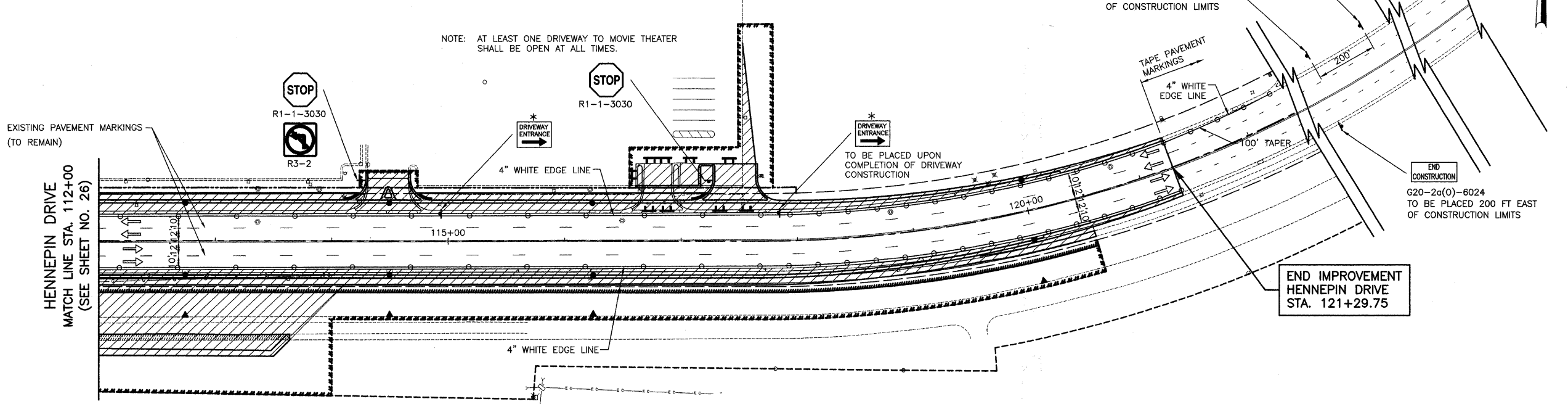


TEMPORARY INFORMATION SIGN LOCATE AS DIRECTED BY THE ENGINEER (SEE SHEET 83 FOR DETAILS)

ROAD CONSTRUCTION AHEAD W20-I(O)-4848

WORKERS W21-I110(O)-4848 TO BE PLACED 200 FT WEST OF CONSTRUCTION LIMITS

NOTE: AT LEAST ONE DRIVEWAY TO MOVIE THEATER SHALL BE OPEN AT ALL TIMES.



EXISTING PAVEMENT MARKINGS (TO REMAIN)

STOP R1-1-3030

ROAD CONSTRUCTION AHEAD W20-I(O)-4848

WORKERS W21-I110(O)-4848 TO BE PLACED 200 FT EAST OF CONSTRUCTION LIMITS

DRIVEWAY ENTRANCE TO BE PLACED UPON COMPLETION OF DRIVEWAY CONSTRUCTION

END CONSTRUCTION G20-2a(O)-6024 TO BE PLACED 200 FT EAST OF CONSTRUCTION LIMITS

- NOTES:**
- ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED.
 - ADDITIONAL SIGNS WILL BE REQUIRED FOR LANE CLOSURES WHICH ARE NOT SHOWN ON THE PLANS BUT WILL BE REQUIRED AS PER I.D.O.T. STANDARD 701701.
- * SEE DETAIL TC-26 FOR DETAILS.

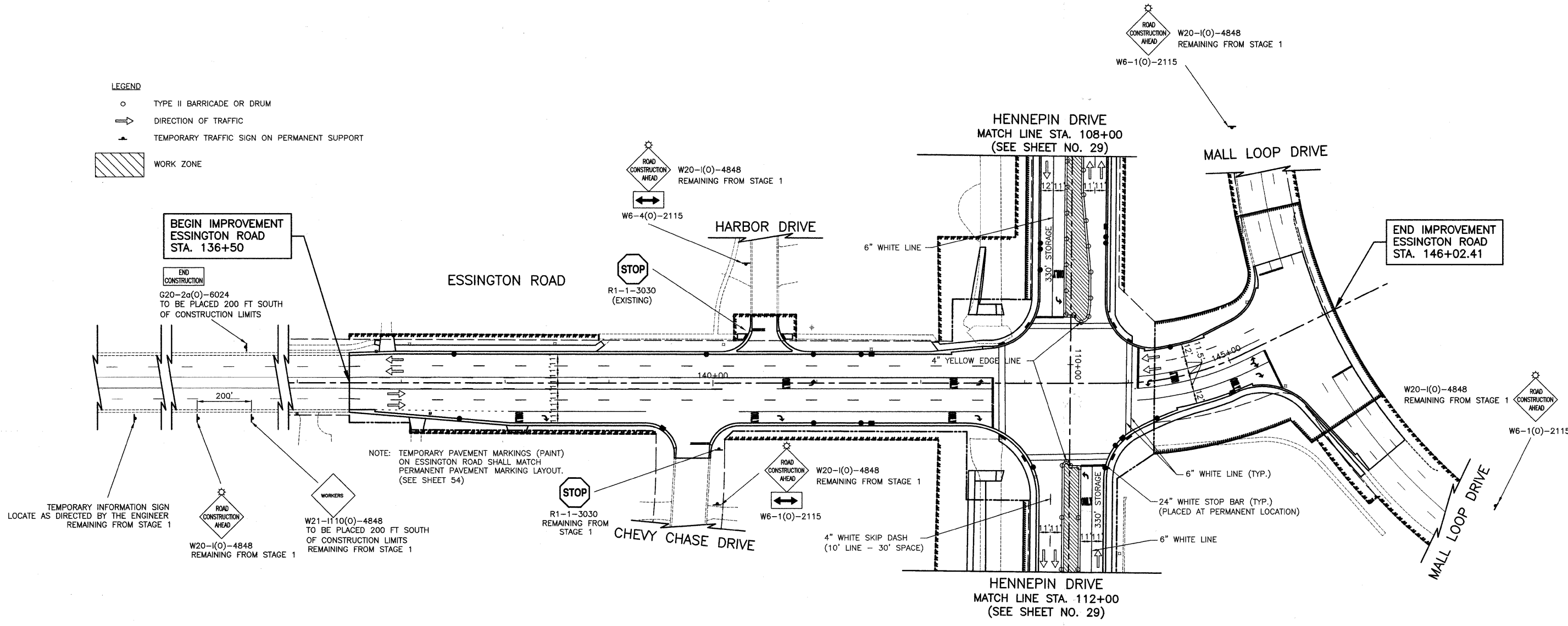


FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN HENNEPIN DRIVE - STAGE 1	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN BLG/KRK	REVISED --			0326	06-00130-00-CH	WILL	116	27	
		CHECKED DJK	REVISED --			CONTRACT NO. 63185					
		DATE 5-29-09	REVISED --			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					



LEGEND

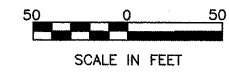
- TYPE II BARRICADE OR DRUM
- DIRECTION OF TRAFFIC
- ▲ TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
- ▨ WORK ZONE



NOTE: TEMPORARY PAVEMENT MARKINGS (PAINT) ON ESSINGTON ROAD SHALL MATCH PERMANENT PAVEMENT MARKING LAYOUT. (SEE SHEET 54)





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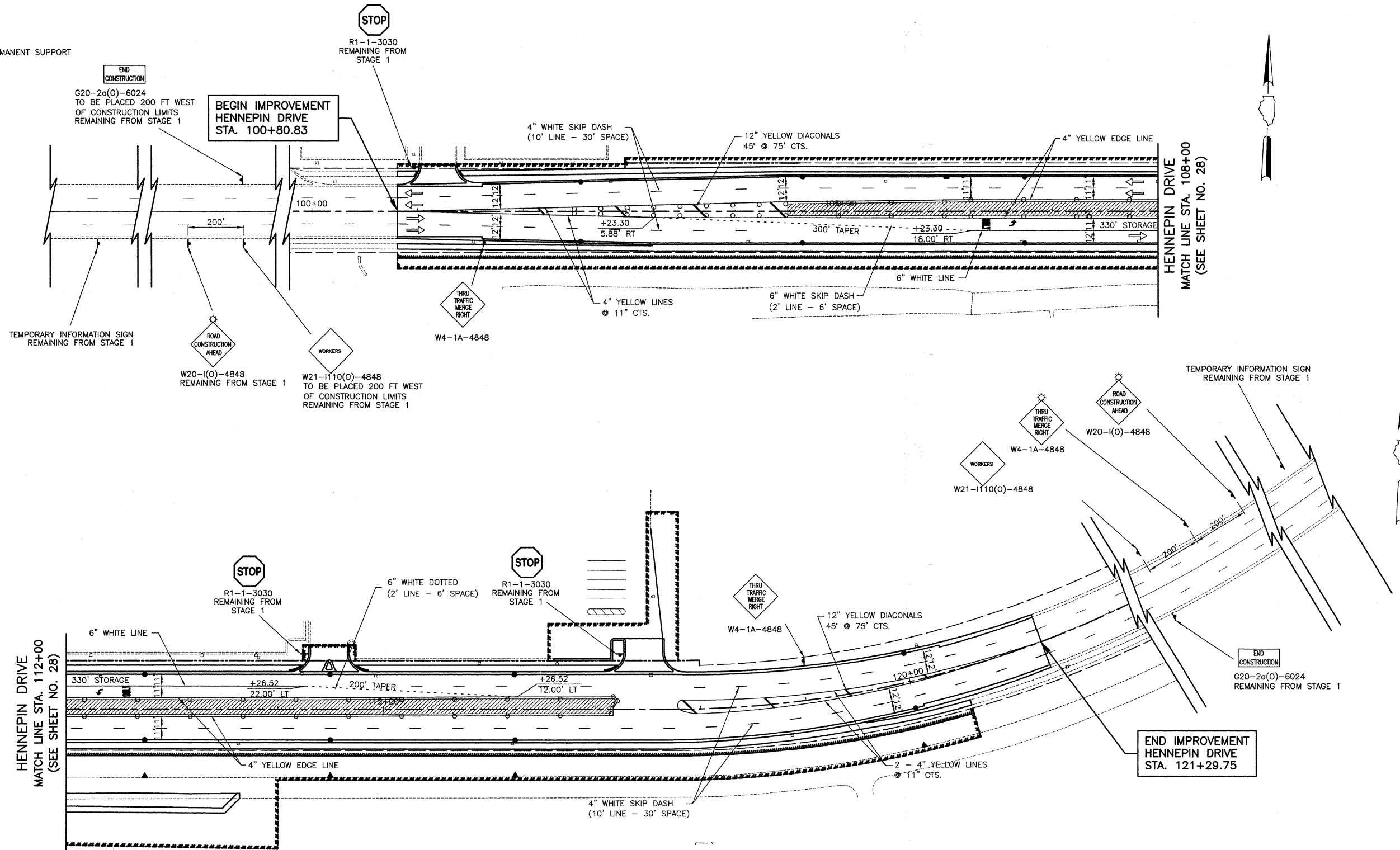
1. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED.



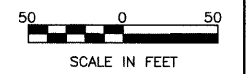
FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN ESSINGTON ROAD AT HENNEPIN DRIVE - STAGE 2	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN BLG/KRK	REVISED -			0326	06-00130-00-CH	WILL	116	28	
		CHECKED DJK	REVISED -			CONTRACT NO. 63185					
		DATE 5-29-09	REVISED -			SCALE: 1"=50'		SHEET NO. 3 OF 4 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)	

LEGEND

-  TYPE II BARRICADE OR DRUM
-  DIRECTION OF TRAFFIC
-  TEMPORARY TRAFFIC SIGN ON PERMANENT SUPPORT
-  WORK ZONE



NOTES:
 1. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT UNLESS OTHERWISE NOTED.



FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC PLAN HENNEPIN DRIVE - STAGE 2	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN BLG/KRK	REVISED --			0326	06-00130-00-CH	WILL	116	29	
		CHECKED DJK	REVISED --			CONTRACT NO. 63185					
		DATE 5-29-09	REVISED --			SCALE: 1"=50'		SHEET NO. 4 OF 4 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)	

DETOUR GENERAL NOTES

1. THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
 2. ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STANDARD SPECIFICATIONS, THE DETAILS IN THESE PLANS, THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES," AND AS DIRECTED BY THE ENGINEER.
 3. THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
 4. ADDITIONAL SIGNING AND/OR BARRICADES DEEMED NECESSARY BY THE ENGINEER SHALL BE PROVIDED AND INSTALLED AT NO ADDITIONAL COST.
 5. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE, AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING, PRIOR TO THE START OF WORK.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIELD LOCATION OF ALL DETOUR AND CONSTRUCTION SIGNING. THE CONTRACTOR MAY REQUEST THE ENGINEER TO FIELD VERIFY THE POSITIONS OF ANY SIGNS.
 7. ACTUAL LOCATIONS FOR SIGNING SHOWN ON THE DETOUR PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
 8. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR IN A MANNER MEETING THE APPROVAL OF THE ENGINEER.
 9. ALL DETOUR SIGNING SHALL BE POST MOUNTED.
 10. ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF ARTICLE 1106.01 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR IN LIKE-NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
 11. THE ROAD NAME SIGN SHALL BE A BLACK LEGEND ON ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6".
 12. AT A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE DETOUR SIGNING SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
 13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY, INCLUDING SUNDAYS AND HOLIDAYS.
 14. THE "ROAD CLOSED" (R11-2 & R11-4) SIGNS SHALL BE MOUNTED ON THE TYPE III BARRICADES. ALL TYPE III BARRICADES SHALL HAVE 2 AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINES OF THE SUPPORTS.
 15. THE TYPE III BARRICADES USED AT POINTS OF CLOSURE TO THRU TRAFFIC ONLY SHALL NOT EXCEED 8 FEET IN WIDTH EACH FOR A SINGLE APPROACH LANE. ALL BARRICADES AT THESE LOCATIONS SHALL HAVE REFLECTORIZED STRIPING ON THE BACK SIDES OF THE BARRICADES.
 16. CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT, ARTICLE 701.11 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
 17. DURING NON-WORKING HOURS THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE TYPE III BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
 18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNS, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
 19. THE ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS BEFORE THE ROAD IS TO BE REOPENED TO TRAFFIC. THE CONTRACTOR WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
20. THE COST OF THIS WORK FOR THE DETOUR DURING STAGE 1 SHALL BE INCLUDED IN THE UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR".

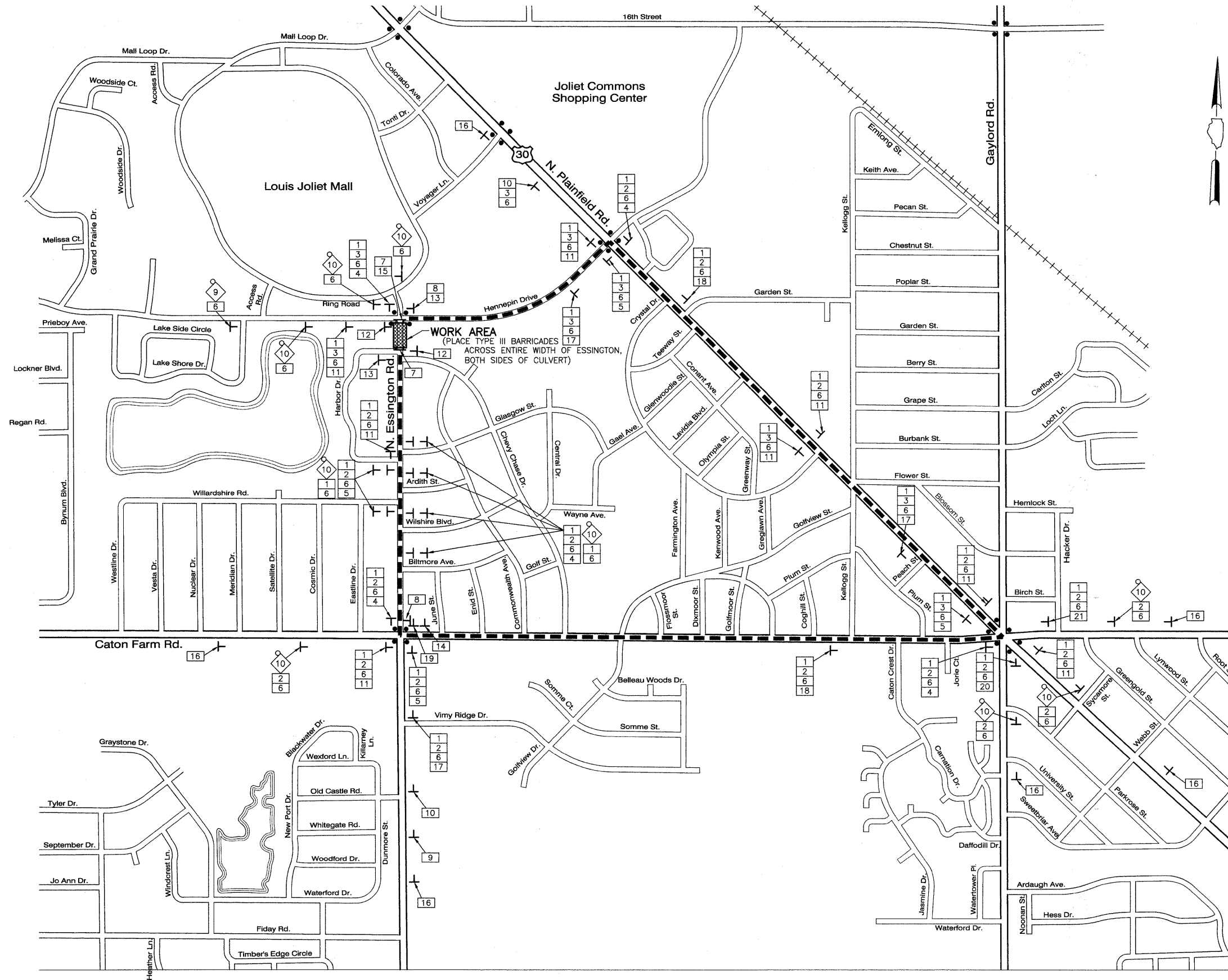
SCHEDULE OF SIGNS

SIGN NUMBER	SIGN TYPE	SIGN TYPE
1		M4-8-2412
2		M3-1(0)-2412
3		M3-3(0)-2412
4		M6-1(0)-2115
5		M6-1(0)-2115
6		W17-1000-2412
7		G20-1-3618
8		M4-8a(0)-2418
9		W20-2(0)-48
10		W20-2-48
11		M6-3-2115
12		R3-1-2424
13		R3-2-2424
14		M4-10R-4818
15		MR-10L-4818
16		SPECIAL(0)-3621
17		M5-1R-2115
18		M5-1L-2115
19		SPECIAL(0)-3621
20		M5-2L-2115
21		M5-2R-2115

LEGEND

- SIGNALIZED INTERSECTION
- 48" x 48" CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT (NUMBER DENOTES TYPE)
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME & DIRECTION PLATES (NUMBER DENOTES TYPE)
- OTHER DETOUR SIGN (NUMBER DENOTES TYPE)
- TYPE III BARRICADE WITH AMBER FLASHING LIGHTS
- DETOUR ROUTE
- SIGN POST

FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DETOUR NOTES ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN BLG/KRK	REVISED --			0326	06-00130-00-CH	WILL	116	30	
		CHECKED DJK	REVISED --			CONTRACT NO. 63185					
		DATE 5-29-09	REVISED --			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					
SCALE: NOT TO SCALE SHEET NO. 1 OF 2 SHEETS											



NOTE:
SEE SHEET 30 FOR LEGEND, SCHEDULE OF SIGNS
AND DETOUR GENERAL NOTES.

FILE NAME =	USER NAME =	DESIGNED BLG/CRK	REVISED -
		DRAWN BLG/CRK	REVISED -
	PLOT SCALE =	CHECKED DJK	REVISED -
	PLOT DATE =	DATE 5-29-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN AND ADVANCE CONSTRUCTION SIGNING
ESSINGTON ROAD AT HENNEPIN DRIVE

SCALE: NOT TO SCALE | SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	31
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT M-8003(654)	
CONTRACT NO. 63185				

LEGEND



TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 3



TOPSOIL FURNISH & PLACE, 4" SODDING, SALT TOLERANT



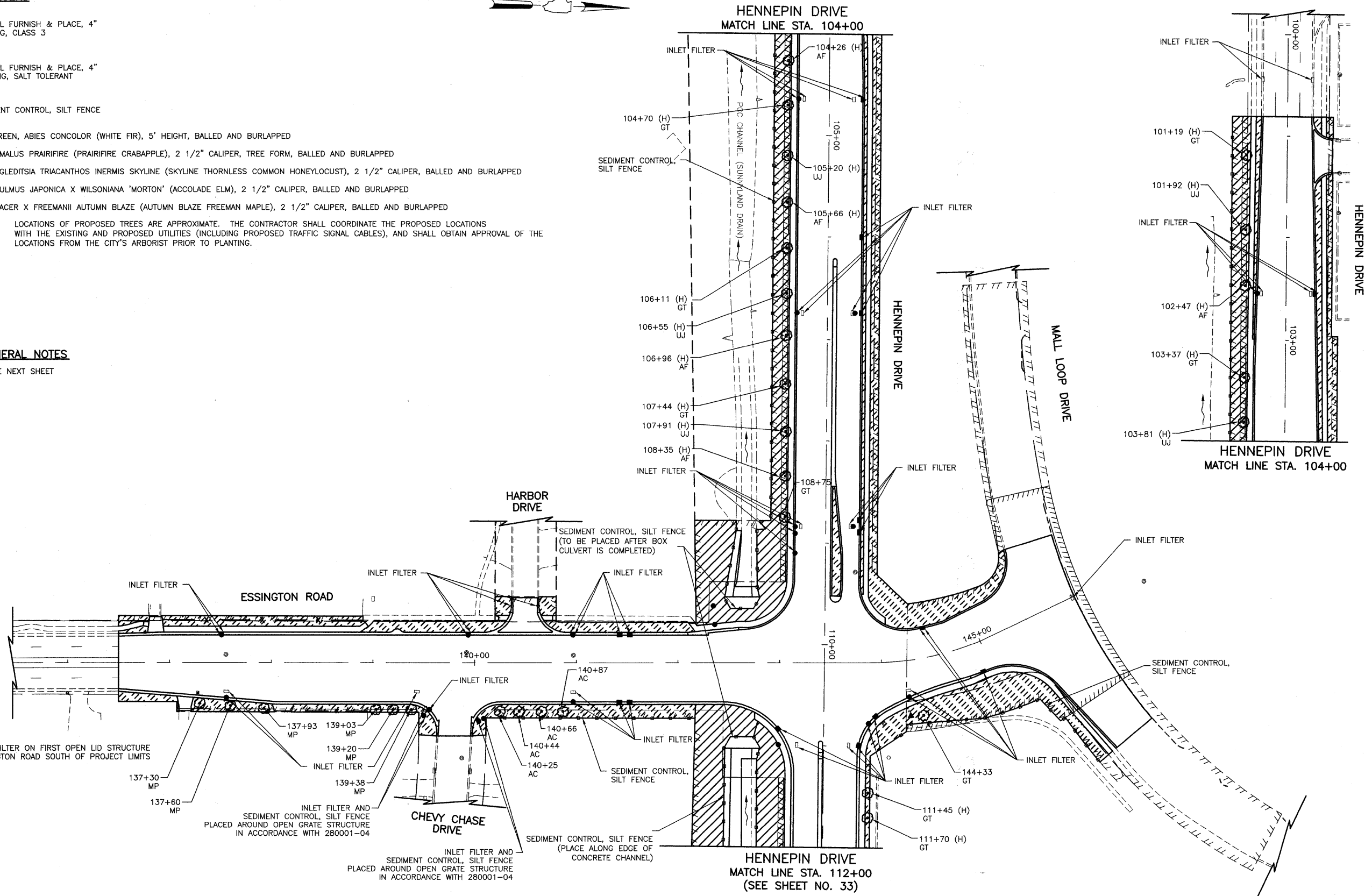
SEDIMENT CONTROL, SILT FENCE

- AC EVERGREEN, ABIES CONCOLOR (WHITE FIR), 5' HEIGHT, BALLED AND BURLAPPED
- MP TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- GT TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2 1/2" CALIPER, BALLED AND BURLAPPED
- UU TREE, ULMUS JAPONICA X WILSONIANA 'MORTON' (ACCOLADE ELM), 2 1/2" CALIPER, BALLED AND BURLAPPED
- AF TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2 1/2" CALIPER, BALLED AND BURLAPPED

NOTE: LOCATIONS OF PROPOSED TREES ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE THE PROPOSED LOCATIONS WITH THE EXISTING AND PROPOSED UTILITIES (INCLUDING PROPOSED TRAFFIC SIGNAL CABLES), AND SHALL OBTAIN APPROVAL OF THE LOCATIONS FROM THE CITY'S ARBORIST PRIOR TO PLANTING.

GENERAL NOTES

SEE NEXT SHEET



PLACE INLET FILTER ON FIRST OPEN LID STRUCTURE ON EACH SIDE OF ESSINGTON ROAD SOUTH OF PROJECT LIMITS

INLET FILTER AND SEDIMENT CONTROL, SILT FENCE PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-04

INLET FILTER AND SEDIMENT CONTROL, SILT FENCE PLACED AROUND OPEN GRATE STRUCTURE IN ACCORDANCE WITH 280001-04

SEDIMENT CONTROL, SILT FENCE (PLACE ALONG EDGE OF CONCRETE CHANNEL)

SEDIMENT CONTROL, SILT FENCE (TO BE PLACED AFTER BOX CULVERT IS COMPLETED)

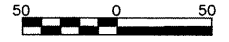
FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -
		DRAWN <i>BLG/KRK</i>	REVISED -
		CHECKED <i>DJK</i>	REVISED -
		DATE <i>5-29-09</i>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL & LANDSCAPING PLAN
ESSINGTON ROAD AT HENNEPIN DRIVE





SCALE: 1"=50' SHEET NO. 1 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	32
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 63185	
			FED. AID PROJECT M-8003(654)	



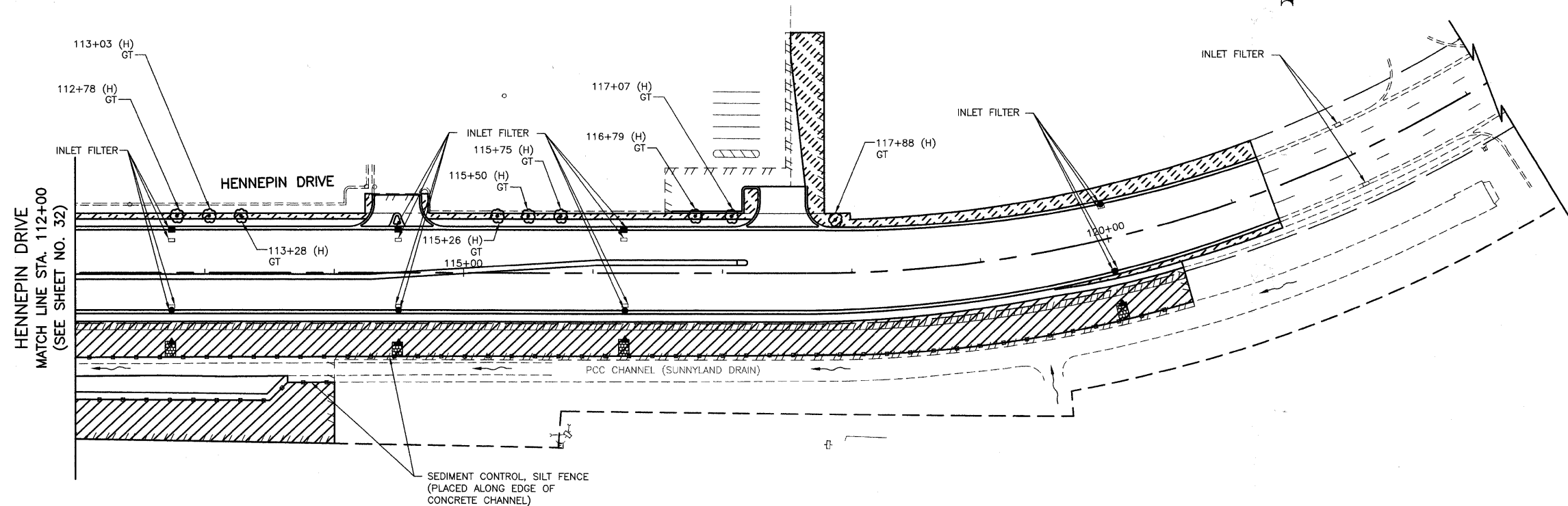
SCALE IN FEET

LEGEND

-  TOPSOIL FURNISH & PLACE, 4" SEEDING, CLASS 3
-  TOPSOIL FURNISH & PLACE, 4" SODDING, SALT TOLERANT
-  SEDIMENT CONTROL, SILT FENCE
-  ARTICULATED BLOCK REVETMENT MAT

- AC EVERGREEN, ABIES CONCOLOR (WHITE FIR), 5' HEIGHT, BALLED AND BURLAPPED
- MP TREE, MALUS PRAIRIFIRE (PRAIRIFIRE CRABAPPLE), 2 1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- GT TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 2 1/2" CALIPER, BALLED AND BURLAPPED
- UJ TREE, ULMUS JAPONICA X WILSONIANA 'MORTON' (ACCOLADE ELM), 2 1/2" CALIPER, BALLED AND BURLAPPED
- AF TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2 1/2" CALIPER, BALLED AND BURLAPPED

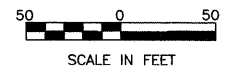
NOTE: LOCATIONS OF PROPOSED TREES ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE THE PROPOSED LOCATIONS WITH THE EXISTING AND PROPOSED UTILITIES (INCLUDING PROPOSED TRAFFIC SIGNAL CABLES), AND SHALL OBTAIN APPROVAL OF THE LOCATIONS FROM THE CITY'S ARBORIST PRIOR TO PLANTING.



GENERAL NOTES

1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS URBAN MANUAL" REVISED FEBRUARY 2002.
2. THE WILL-SOUTH COOK SOIL AND WATER CONSERVATION DISTRICT (WSCSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
4. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN THOSE INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW BY THE WSCSWCD.
5. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE WSCSWCD.
6. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS, SILT TRAPS, OR INLET FILTERS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.
7. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
8. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE BEFORE ANY WORK BEGINS.
9. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
10. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORKDAY BY SHOVELING AND/OR SWEEPING.
11. ALL SLOPES SHALL BE COVERED WITH SOD OR SEED/EROSION CONTROL BLANKET AS SOON AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED. THE LIMITS OF THE SEEDING/SODDING SHALL BE THE LIMITS OF GRADING.
12. INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES IN THE CURB AND GUTTER.
13. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
14. SEE STANDARD 280001 AND SHEET NO. 87 FOR ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL DETAILS AND REQUIREMENTS.
15. FOR EACH TREE IN THE PROJECT LIMITS WITHIN THE RIGHT-OF-WAY, QUANTITY HAS BEEN INCLUDED FOR: 40 FT. TEMPORARY FENCE, 1 EACH TREE TRUNK PROTECTION, AND 1 EACH TREE ROOT PRUNING. USE OF THESE ITEMS WILL BE AS DETERMINED BY THE ENGINEER.
16. THE SURFACE OF ALL STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS THAT WILL REMAIN UNDISTURBED FOR MORE THAN 14 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION WITH THE USE OF TEMPORARY EROSION CONTROL SEEDING. TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT COVER IS ESTABLISHED.
17. ALL DISTURBED AREAS AND WORK AREAS MUST BE ISOLATED FROM STREAM FLOWS AT ALL TIMES. NO WORK SHALL BE PERFORMED IN FLOWING WATER.

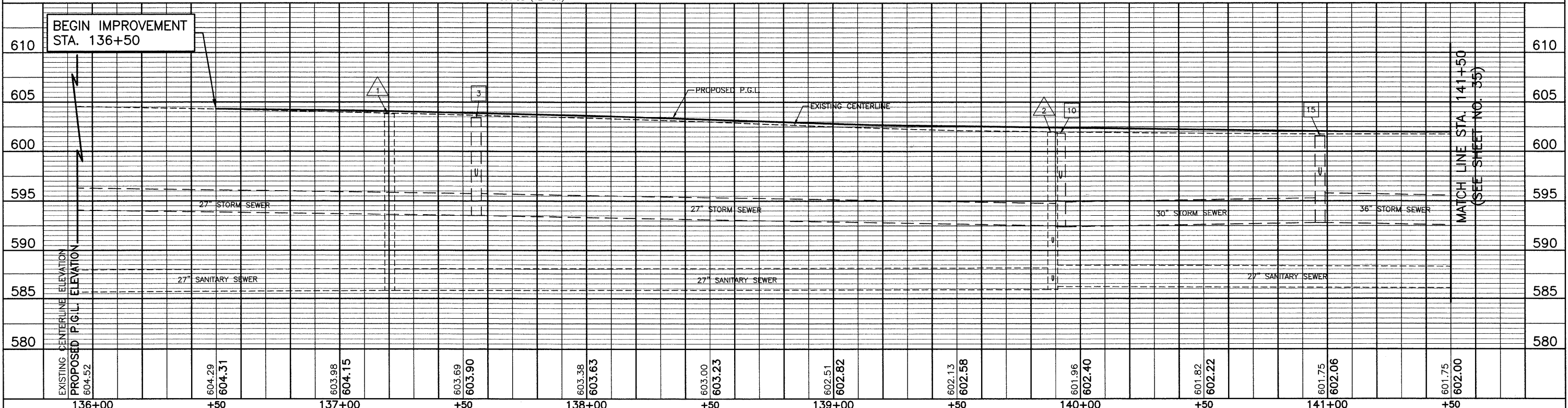
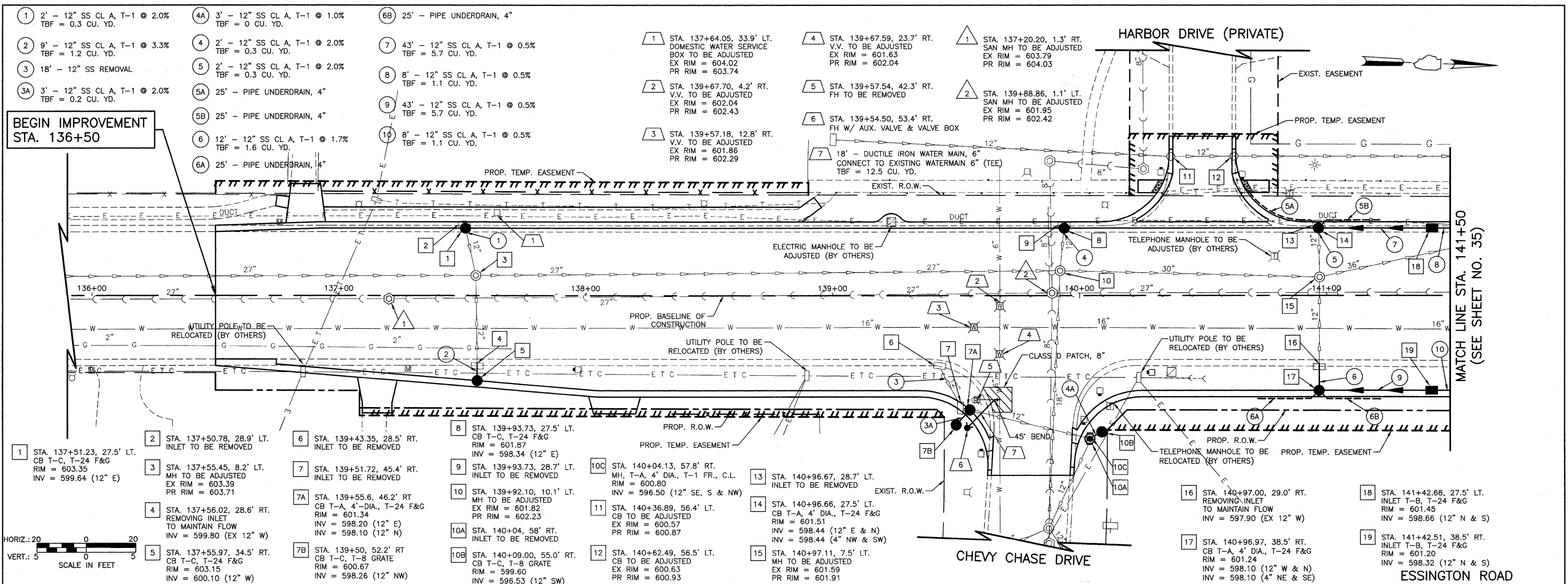
BOX CULVERT CONSTRUCTION:
 THE STREAM FLOW WILL BE TEMPORARILY DIVERTED WITH PIPES, PUMPS, AND/OR CHANNELS USING NON-ERODIBLE DIVERSION MATERIALS SUCH AS SAND BAGS, CLEAN ROCK FILL OR TEMPORARY CONCRETE BARRIERS DURING THE REMOVAL OF THE EXISTING CMP ARCH PIPES, THE INSTALLATION OF THE PROPOSED TRIPLE CELL PRECAST CONCRETE BOX CULVERT, AND THE CONSTRUCTION OF THE CAST-IN-PLACE CONCRETE WINGWALLS, HEADWALLS AND APRONS AS WELL AS THE PAVED DITCHES DOWNSTREAM AND UPSTREAM OF THE STRUCTURE. ALL EROSION CONTROL MEASURES SHALL BE APPROVED BY THE ENGINEER AND THE WSCSWCD MUST BE IN AGREEMENT WITH THE OVERALL METHOD OF DIVERSION/ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL PRESENT HIS PLAN FOR THE CONSTRUCTION OF THE BOX CULVERT AND THE ASSOCIATED EROSION CONTROL MEASURES AT THE PRECONSTRUCTION MEETING. THE COST OF THE EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE COST OF THE PAY ITEM PRECAST CONCRETE BOX CULVERT 6' X 5'.



FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL & LANDSCAPING PLAN ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	33	
		CHECKED <i>DJK</i>	REVISED -			CONTRACT NO. 63185					
		DATE <i>5-29-09</i>	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					
					SCALE: 1"=50'	SHEET NO. 2 OF 2 SHEETS					

DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
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DATE	
BY	
REVISIONS	
PLANNED	
GRADES	
CHECKED	
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NO. 50	



FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		DRAINAGE & UTILITIES ESSINGTON ROAD		F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 34
PLOT SCALE =	CHECKED DJK	REVISED -	REVISED -	SCALE: 1"=20'		SHEET NO. 1 OF 8 SHEETS		STA. 136+50 TO STA. 141+50		CONTRACT NO. 63185		
PLOT DATE =	DATE 5-29-09	REVISED -	REVISED -	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT M-8003(654)						

HENNEPIN DRIVE
MATCH LINE STA. 109+00
(SEE SHEET NO. 38)

END IMPROVEMENT
STA. 146+02.41

MATCH LINE STA. 141+50
(SEE SHEET NO. 34)

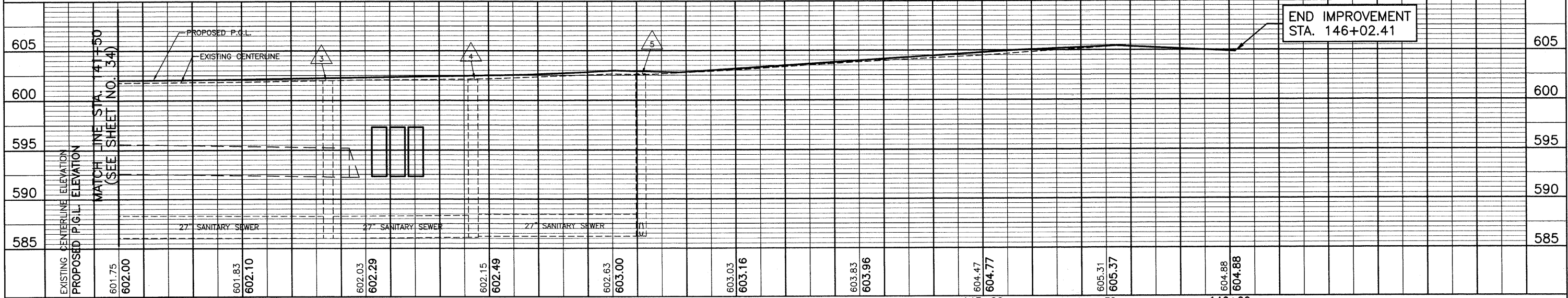
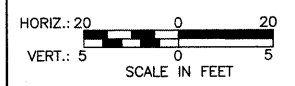
HENNEPIN DRIVE - MATCH LINE STA. 111+40
(SEE SHEET NO. 39)

ESSINGTON ROAD

END IMPROVEMENT
STA. 146+02.41

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
NO.	

DATE	
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DESCRIPTION	
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FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITIES ESSINGTON ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN BLG/KRK	REVISED -			0326	06-00130-00-CH	WILL	116	35	
		CHECKED DJK	REVISED -			SCALE: 1"=20'	SHEET NO. 2 OF 8 SHEETS	STA. 141+50 TO STA. 146+02.41	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-8003(854)
		DATE 5-29-09	REVISED -								

- 20 STA. 141+52.68, 27.5' LT.
INLET T-A, T-24 F & G
RIM = 601.45
INV = 598.70 (12" S)
- 21 STA. 141+52.51, 38.5' RT.
INLET T-A, T-24 F & G
RIM = 601.23
INV = 598.36 (12" S)
- 21A STA. 142+34.77, 56.5' LT.
MH T-A, 4' DIA., T-1 FR., C.L.
RIM = 594.93
INV = 592.22 (12" NW & EX S)
- 22 STA. 142+36.14, 38.1' LT.
MH T-A, 5' DIA., T-1 FR., C.L.
RIM = 601.91
INV = 592.27 (36" N & EX S)
- 23 STA. 142+98.68, 64.9' RT.
INLET T-A, T-24 F & G
RIM = 602.64
INV = 599.14 (12" E & 4" S)
- 23A STA. 142+98.73, 80.8' RT.
CB T-A, 4' DIA., T-1 FR., C.L.
RIM = 603.00
INV = 597.79 (12" N)
INV = 598.90 (12" W)
INV = 594.53 (12" S)
- 24 STA. 110+99.21, 25.0' RT.
REMOVING INLET
TO MAINTAIN FLOW
INV = 598.20 (EX 12" N)
- 25 STA. 110+99.18, 22.8' LT.
REMOVING INLET
TO MAINTAIN FLOW
INV = 599.30 (EX 12" S)
- 26 STA. 110+99.21, 34.2' LT.
INLET T-A, T-24 F & G
RIM = 603.07
INV = 599.55 (12" S)
- 27 STA. 110+77.60, 43.9' LT.
CB T-A, 5' DIA., T-24 F & G
RIM = 602.90
INV = 596.49 (36" EX. N & S)
INV = 599.60 (12" NW)
- 28A STA. 144+00.36, 60.2' RT.
MH TO BE ADJUSTED
EX RIM = 602.78
PR RIM = 603.40
- 28 STA. 110+70.16, 50.6' LT.
INLET T-A, T-24 F & G
RIM = 602.95
INV = 599.64 (12" SE)
- 29 STA. 109+28.15, 29.5' LT.
MH TO BE ADJUSTED
w/NEW T-1 FR., C.L.
EX RIM = 602.47
PR RIM = 602.37
- 30 STA. 144+23.20, 29.5' RT.
INLET TO BE REMOVED
- 31 STA. 144+23.20, 36.1' RT.
CB T-A, 5' DIA., T-24 F & G
RIM = 603.29
INV = 599.94 (12" W, E & N)
- 32 STA. 144+22.53, 56.1' RT.
PRC FLARED END SECTION, 12"
INV = 599.86

- 33 STA. 144+46.72, 29.2' LT.
INLET TO BE REMOVED
- 34 STA. 144+46.72, 29.3' LT.
INLET T-A, T-11 F & G
RIM = 603.40
INV = 600.29 (12" SE)
- 35 STA. 144+92.12, 29.3' RT.
INLET T-A, T-11 F & G
RIM = 604.68
INV = 600.28 (12" S)
- 36 STA. 109+10.00, 30' RT.
CB T-A, 4' DIA., T-11 F & G
RIM = 601.84
INV = 596.79 (12" W)

- 8 SEE SHEET 34
- 10 SEE SHEET 34
- 10A 11' - 12" SS CL. A, T-2 @ 0.5%
TBF = 0 CU. YD.
CONNECT TO PROPOSED HEADWALL
SEE DETAIL SHEET 91
- 10B 9' - 12" SS REMOVAL
- 10C 13' - 36" SS CL. A, T-2 @ 0.4%
TBF = 0 CU. YD.
CONNECT TO PROPOSED CULVERT
SEE DETAIL SHEET 91
- 10D 21' - 36" SS REMOVAL
- 11 16' - 36" SS CL. A, T-2 @ 1.4%
TBF = 3.5 CU. YD.
CONNECT TO PROPOSED CULVERT
SEE DETAIL SHEET 91
- 11A 6' - 36" SS REMOVAL
- 12 18' - 12" SS WMR T-2 @ 2.3%
TBF = 3.7 CU. YD.
- 12A 25' - PIPE UNDERDRAIN, 4"
- 12B 12' - 12" SS WMR T-2 @ 2.0%
TBF = 1.6 CU. YD.
- 13 25' - 12" SS REMOVAL
- 14 18' - 12" SS CL. A, T-2 @ 4.8%
TBF = 0 CU. YD.
CONNECT TO PROPOSED HEADWALL
SEE DETAIL SHEET 91
- 15 11' - 12" SS CL. A, T-1 @ 2.3%
TBF = 1.5 CU. YD.
- 16 5' - 36" SS REMOVAL
- 17 7' - 12" SS CL. A, T-1 @ 0.5%
TBF = 1.0 CU. YD.
- 17A 25' - PIPE UNDERDRAIN, 4"
- 17B 25' - PIPE UNDERDRAIN, 4"
- 18 70' - 12" SS CL. A, T-1 @ 0.5% (TO BE CONSTRUCTED UNDER DAILY LANE CLOSURES)
TBF = 9.3 CU. YD.
- 19 20' - 12" SS REMOVAL
- 20 9' - 12" SS WMR T-1, @ 0.5%
TBF = 1.4 CU. YD.
- 21 62' - 12" SS REMOVAL
- 22 74' - 12" SS WMR T-2, @ 0.5%
TBF = 10.6 CU. YD.
- 23 8' - 12" SS CL. A, T-2 @ 2.0%
TBF = 9.6 CU. YD.
- 24 CONNECT TO EXISTING PIPE
SEE DETAIL SHEET 85
INV = 596.63 (12")
INV = 592.13 (EX 72")

- 3 STA. 142+34.84, 1.5' LT.
SAN MH TO BE ADJUSTED
EX RIM = 601.98
PR RIM = 602.20
- 4 STA. 142+93.60, 1.4' LT.
SAN MH TO BE ADJUSTED
EX RIM = 602.10
PR RIM = 602.44
- 5 STA. 143+61.59, 0.7' RT.
SAN MH TO BE ADJUSTED
EX RIM = 602.64
PR RIM = 602.90

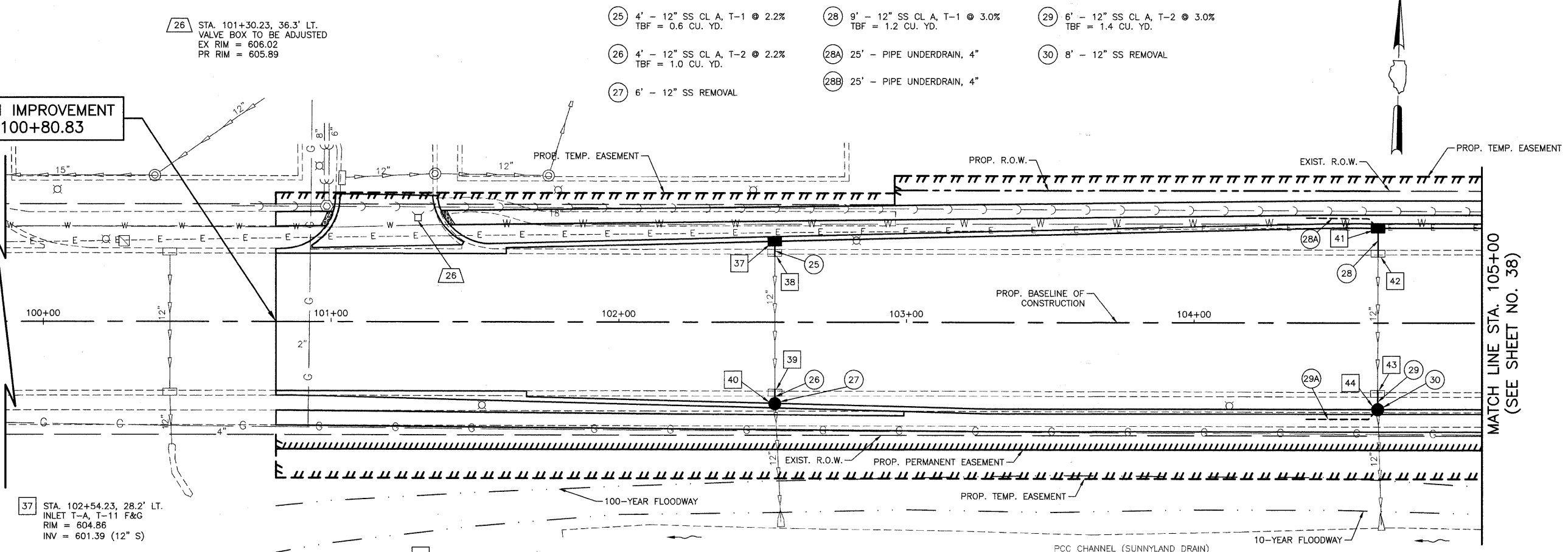
- 8 STA. 109+51.58, 35.6' LT.
V.V. TO BE ADJUSTED
EX RIM = 602.46
PR RIM = 602.97
- 9 STA. 110+32.51, 16.4' LT.
V.V. TO BE ADJUSTED
EX RIM = 602.54
PR RIM = 602.97
- 10 STA. 144+10.95, 42.2' RT.
V.V. TO BE REMOVED
- 10A STA. 144+02.54, 36.7' RT.
FH TO BE REMOVED
- 10B STA. 143+98.61, 41.2' RT.
VALVE VAULT, TYPE A, 5'-DIA., T-1 FR., C.L.
WITH 12" VALVE
PR RIM = 603.08
CONNECT TO EXISTING WATERMAIN 12"
- 11 STA. 111+09.03, 35.5' LT.
V.V. TO BE ADJUSTED
EX RIM = 603.02
PR RIM = 603.50
- 12 STA. 144+10, 54.1' RT.
FH W/ AUX. VALVE & VALVE BOX
- 12A 12' - DUCTILE IRON WATERMAIN, 6"
TBF = 8.1 CU. YD.
CONNECT TO EXISTING WATERMAIN 12"
- 13 STA. 144+71, 40' RT.
CONNECT TO EXISTING WATERMAIN 12"
- 14 67' - DUCTILE IRON WATERMAIN, 12"
51' - WATERMAIN REMOVAL, 12"
TBF = 49.9 CU. YD.
- 15 STA. 144+85, 46' RT.
VALVE VAULT, TYPE A, 5'-DIA., T-1 FR., C.L.
WITH 10" VALVE
RIM = 604.50
- 16 STA. 144+96, 38' RT.
VALVE VAULT, TYPE A, 5'-DIA., T-1 FR., C.L.
WITH 12" VALVE
RIM = 605.00
- 17 STA. 145+12, 40.6' RT.
VALVE VAULT TO BE REMOVED
- 18 STA. 145+25, 39' RT.
STRUCTURE TO BE ABANDONED
- 19 STA. 145+32, 39' RT.
VALVE VAULT, TYPE A, 5'-DIA., T-1 FR., C.L.
WITH 12" VALVE
RIM = 605.64
CONNECT TO EXISTING WATERMAIN 12"
- 20 15' - DUCTILE IRON WATERMAIN, 10"
TBF = 1.5 CU. YD.
- 21 STA. 144+95, 45.8' RT.
WATER METER STRUCTURE (SEE DETAIL SHEET NO. 93)
WATER VALVE 10"
WATER METER INSTALLED - FURNISHED BY CITY OF
JOLIET WATER DEPARTMENT
- 22 71' - DUCTILE IRON WATERMAIN, 10"
TBF = 0 CU. YD.
- 23 30' - DUCTILE IRON WATERMAIN, 10"
TBF = 1.5 CU. YD.
- 24 43' - WATER MAIN REMOVAL, 10"
TBF = 0 CU. YD.
- 25 STA. 145+39, 73' RT.
VALVE VAULT, TYPE A, 5'-DIA., T-1 FR., C.L.
WITH 10" VALVE
RIM = 605.16
CONNECT TO EXISTING WATERMAIN 10"

FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITY NOTES ESSINGTON ROAD AT HENNEPIN DRIVE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN BLG/KRK	REVISED --		0326	06-00130-00-CH	WILL	116	36	CONTRACT NO. 631B5			
	PLOT SCALE =	CHECKED DJK	REVISED --		SCALE: SHEET NO. 3 OF 8 SHEETS			FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT M-8003(654)		
	PLOT DATE =	DATE 5-29-09	REVISED --										

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FILE NAME	

BEGIN IMPROVEMENT
STA. 100+80.83



26 STA. 101+30.23, 36.3' LT.
VALVE BOX TO BE ADJUSTED
EX RIM = 606.02
PR RIM = 605.89

25 4' - 12" SS CL A, T-1 @ 2.2%
TBF = 0.6 CU. YD.
26 4' - 12" SS CL A, T-2 @ 2.2%
TBF = 1.0 CU. YD.
27 6' - 12" SS REMOVAL

28 9' - 12" SS CL A, T-1 @ 3.0%
TBF = 1.2 CU. YD.
28A 25' - PIPE UNDERDRAIN, 4"
28B 25' - PIPE UNDERDRAIN, 4"

29 6' - 12" SS CL A, T-2 @ 3.0%
TBF = 1.4 CU. YD.
30 8' - 12" SS REMOVAL

37 STA. 102+54.23, 28.2' LT.
INLET T-A, T-11 F&G
RIM = 604.86
INV = 601.39 (12" S)

38 STA. 102+54.20, 24.2' LT.
REMOVING INLET
TO MAINTAIN FLOW
INV = 601.30 (EX 12" S)

39 STA. 102+54.29, 24.5' RT.
REMOVING INLET
TO MAINTAIN FLOW
INV = 600.30 (EX 12" N)

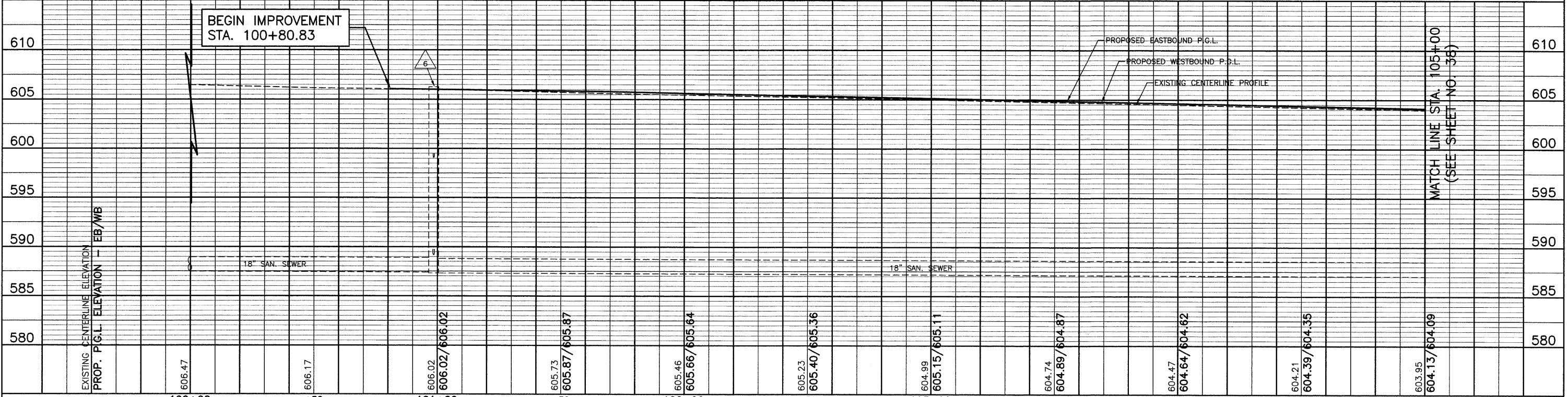
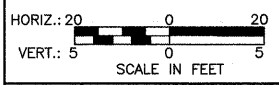
40 STA. 102+54.23, 28.2' RT.
CB T-A, 4' DIA., T-11 F&G
RIM = 604.90
INV = 600.21 (12" N)
INV = 599.42 (EX 12" S)

41 STA. 104+63.90, 33.0' LT.
INLET T-A, T-11 F&G
RIM = 603.80
INV = 601.07 (12" S)

42 STA. 104+63.88, 24.3' LT.
REMOVING INLET
TO MAINTAIN FLOW
INV = 600.80 (EX 12" S)

43 STA. 104+63.73, 24.6' RT.
REMOVING INLET
TO MAINTAIN FLOW
INV = 599.40 (EX 12" N)

44 STA. 104+63.75, 30.0' RT.
CB T-A, 4' DIA., T-11 F&G
RIM = 603.84
INV = 599.22 (12" N)
INV = 598.48 (EX 12" S)



FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITIES HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN <i>BLG/KRK</i>	REVISED -	0326			06-00130-00-CH	WILL	116	37	
PLOT SCALE =	CHECKED <i>DJK</i>	REVISED -	CONTRACT NO. 63185							
PLOT DATE =	DATE <i>5-29-09</i>	REVISED -	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)							

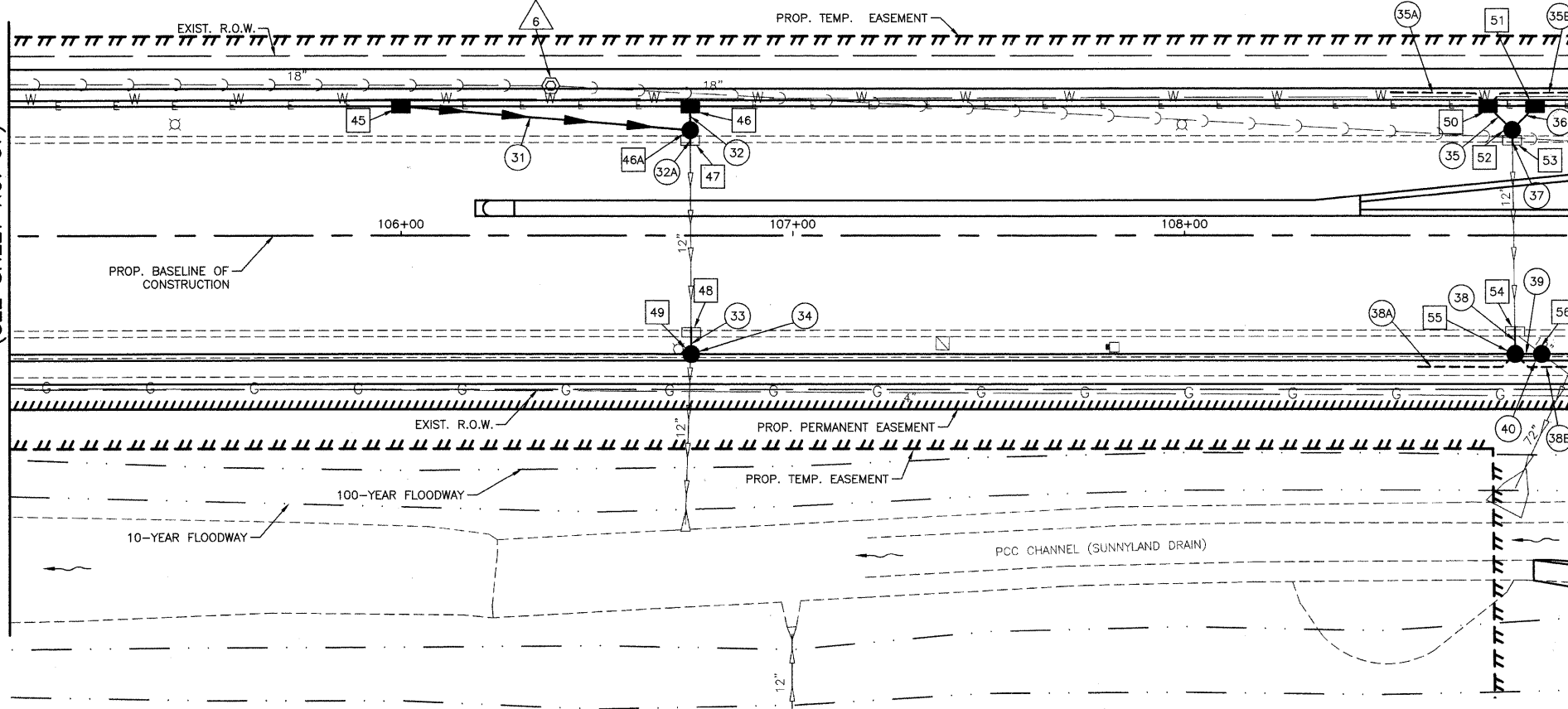
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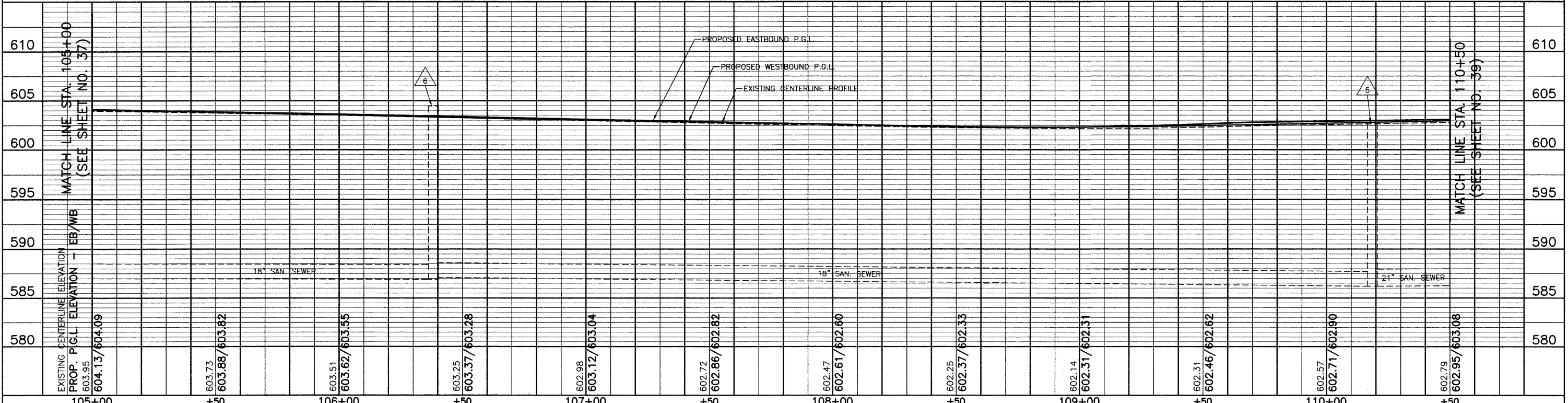
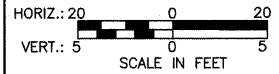
6 STA. 106+38.22, 38.4' LT.
SAN MH TO BE ADJUSTED
EX RIM = 604.44
PR RIM = 603.39

MATCH LINE STA. 105+00
(SEE SHEET NO. 37)

MATCH LINE STA. 109+00
(SEE SHEET NO. 35)



- 48 STA. 106+73.99, 24.6' RT. REMOVING INLET TO MAINTAIN FLOW INV = 598.4 (EX 12" N)
- 49 STA. 106+73.97, 30.0' RT. CB T-A, 4" DIA., T-11 F&G RIM = 602.77 INV = 598.28 (12" N) INV = 597.59 (EX 12" S)
- 50 STA. 108+77.43, 33.0' LT. INLET T-A, T-11 F&G RIM = 601.80 INV = 598.97 (12" SE)
- 51 STA. 108+89.43, 33.0' LT. INLET T-A, T-11 F&G RIM = 601.81 INV = 598.98 (12" SW)
- 52 STA. 108+83.59, 27.0' LT. CB T-A, 4" DIA., T-11 F&G RIM = 601.92 INV = 598.69 (12" NW) INV = 598.74 (12" NE) INV = 598.22 (12" S)
- 53 STA. 108+83.59, 24.3' LT. REMOVING INLET TO MAINTAIN FLOW INV = 598.2 (EX 12" S)
- 54 STA. 108+84.26, 24.4' RT. REMOVING INLET TO MAINTAIN FLOW INV = 597.6 (EX 12" N)
- 45 STA. 106+00.00, 33.0' LT. INLET T-A, T-11 F&G RIM = 603.07 INV = 600.20 (12" E)
- 46 STA. 106+73.83, 33.0' LT. INLET T-A, T-11 F&G RIM = 602.68 INV = 599.50 (12" S)
- 46A STA. 106+73.83, 27.0' LT. CB T-A, 4" DIA., T-11 F&G RIM = 602.80 INV = 599.42 (12" N) INV = 599.32 (12" S) INV = 599.49 (12" W)
- 47 STA. 106+73.80, 24.3' LT. REMOVING INLET TO MAINTAIN FLOW INV = 599.3 (EX 12" S)
- 55 STA. 108+84.26, 30.0' RT. CB T-A, 4" DIA., T-11 F&G RIM = 601.82 INV = 597.52 (12" N & E)
- 56 STA. 108+91.00, 30.0' RT. CB T-A, 4" DIA., T-11 F&G RIM = 601.82 INV = 597.50 (12" W) INV = 597.44 (EX 12" SE)
- 31 71' - 12" SS WMR T-1 @ 1.0% TBF = 9.4 CU. YD.
- 32 4' - 12" SS CL A, T-1 @ 2.0% TBF = 0.6 CU. YD.
- 32A 1' - 12" SS CL A, T-2 @ 2.0% TBF = 0.2 CU. YD.
- 33 6' - 12" SS CL A, T-1 @ 2.0% TBF = 1.3 CU. YD.
- 34 8' - 12" SS REMOVAL
- 35 7' - 12" SS CL A, T-1 @ 4.0% TBF = 1.0 CU. YD.
- 35A 25' - PIPE UNDERDRAIN, 4"
- 35B 25' - PIPE UNDERDRAIN, 4"
- 36 6' - 12" SS CL A, T-1 @ 4.0% TBF = 0.8 CU. YD.
- 37 1' - 12" SS CL A, T-2 @ 2.0% TBF = 0.2 CU. YD.
- 38 6' - 12" SS CL A, T-2 @ 1.3% TBF = 1.2 CU. YD.
- 38A 25' - PIPE UNDERDRAIN, 4"
- 38B 25' - PIPE UNDERDRAIN, 4"
- 39 3' - 12" SS CL A, T-2 @ 1.0% TBF = 0.6 CU. YD.
- 40 10' - 12" SS REMOVAL



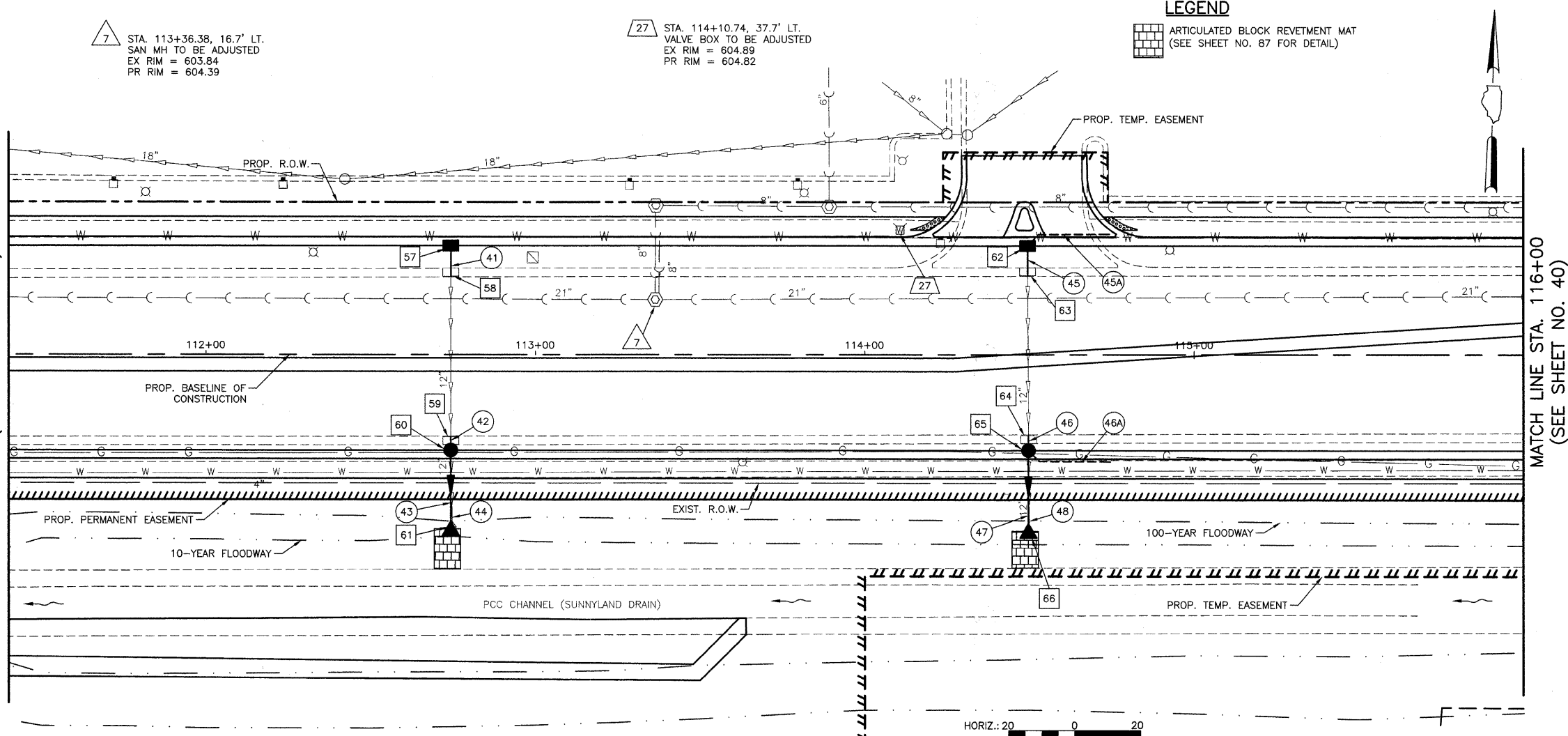
FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITIES HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	38	
		CHECKED <i>DJK</i>	REVISED -			CONTRACT NO. 63185					
		DATE <i>5-29-09</i>	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					

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DESCRIPTION	

- 57 STA. 112+74.34, 33.0' LT. INLET T-A, T-24 F&G RIM = 603.78 INV = 600.03 (12" S)
- 58 STA. 112+74.34, 25.0' LT. REMOVING INLET TO MAINTAIN FLOW INV = 599.9 (EX 12" S)
- 59 STA. 112+74.29, 26.1' RT. REMOVING INLET TO MAINTAIN FLOW INV = 599.2 (EX 12" N)
- 60 STA. 112+74.29, 29.0' RT. CB T-A, 4' DIA., T-24 F&G RIM = 603.63 INV = 599.14 (12" N) INV = 599.07 (12" S)
- 61 STA. 112+74.29, 54.9' RT. PRC FLARED END SECTION, 12" INV = 598.53
- 62 STA. 114+49.48, 33.0' LT. INLET T-A, T-24 F&G RIM = 604.58 INV = 601.18 (12" S)
- 63 STA. 114+49.48, 25.3' LT. REMOVING INLET TO MAINTAIN FLOW INV = 601.00 (EX 12" S)
- 64 STA. 114+49.72, 25.7' RT. REMOVING INLET TO MAINTAIN FLOW INV = 600.00 (EX 12" N)
- 65 STA. 114+49.72, 29.0' RT. CB T-A, 4' DIA., T-24 F&G RIM = 604.55 INV = 599.90 (12" N) INV = 599.77 (12" S)
- 66 STA. 114+49.72, 55.5' RT. PRC FLARED END SECTION, 12" INV = 599.01

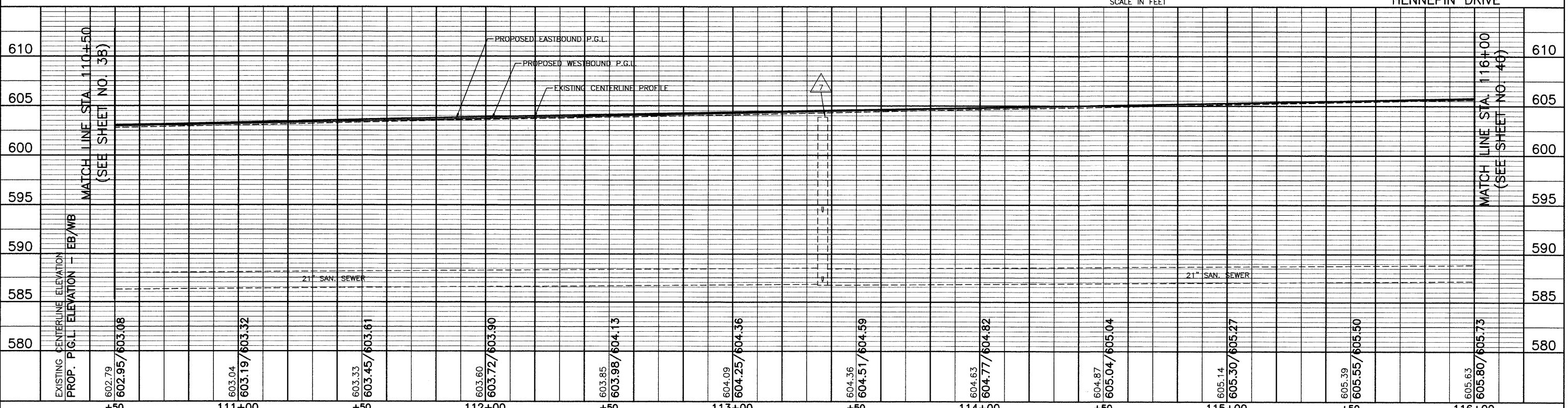
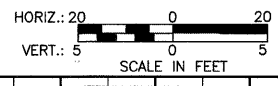
MATCH LINE STA. 111+40
(SEE SHEET NO. 35)



LEGEND

[Symbol] ARTICULATED BLOCK REVETMENT MAT (SEE SHEET NO. 87 FOR DETAIL)

- 41 9' - 12" SS CL A, T-1 @ 1.4% TBF = 1.4 CU. YD.
- 42 4' - 12" SS CL A, T-2 @ 1.4% TBF = 0.9 CU. YD.
- 43 16' - 12" SS WMR T-2 @ 2.5% TBF = 2.3 CU. YD.
- 44 26' - 12" SS REMOVAL
- 45 9' - 12" SS CL A, T-1 @ 2.0% TBF = 1.2 CU. YD.
- 45A 25' - PIPE UNDERDRAIN, 4"
- 46 5' - 12" SS CL A, T-2 @ 2.0% TBF = 1.2 CU. YD.
- 46A 25' - PIPE UNDERDRAIN, 4"
- 47 16' - 12" SS WMR T-2 @ 3.5% TBF = 2.5 CU. YD.
- 48 25' - 12" SS REMOVAL



FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITIES HENNEPIN DRIVE	F.A.U. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	39	
PLOT SCALE =	CHECKED <i>DJK</i>	REVISED -				CONTRACT NO. 63185					
PLOT DATE =	DATE <i>5-29-09</i>	REVISED -				FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					

MATCH LINE STA. 116+00
(SEE SHEET NO. 40)

HENNEPIN DRIVE

DATE	
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LEGEND

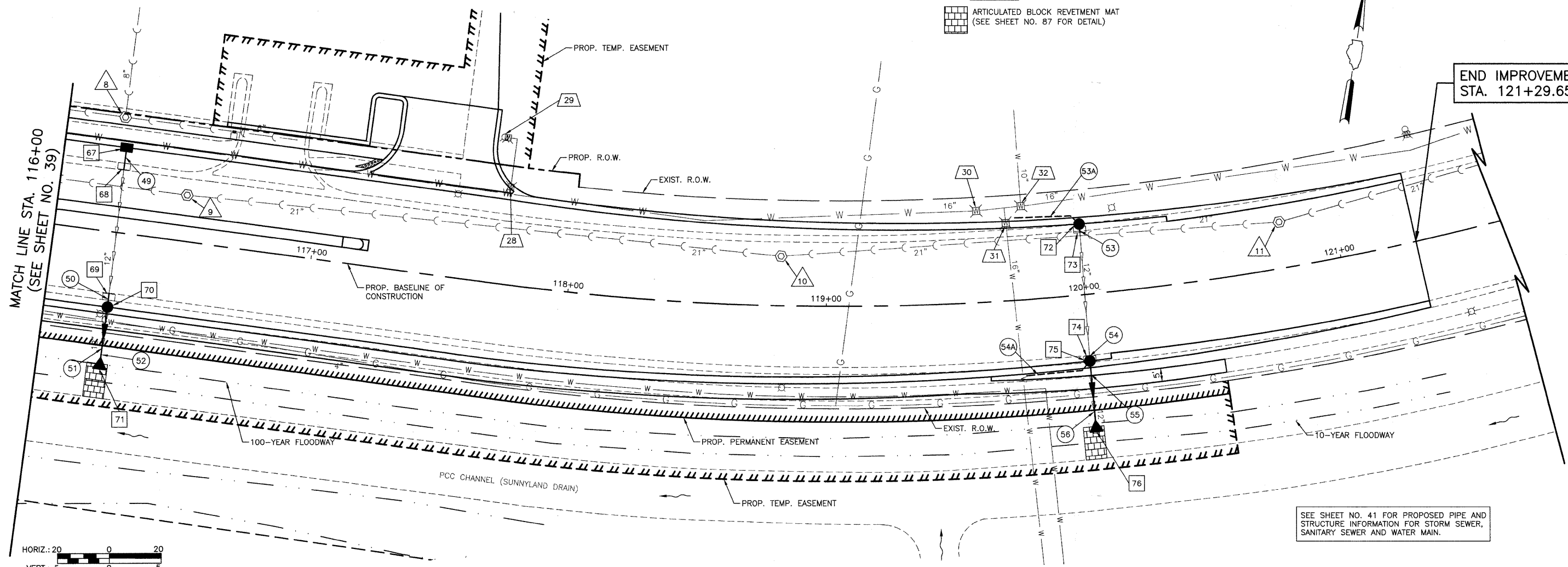
ARTICULATED BLOCK REVETMENT MAT
(SEE SHEET NO. 87 FOR DETAIL)



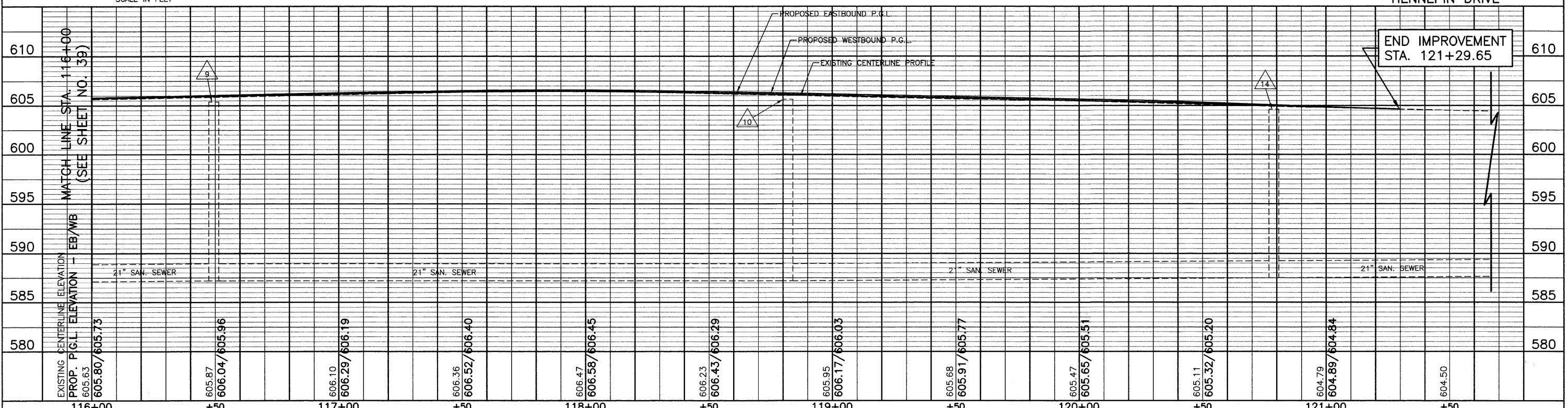
END IMPROVEMENT
STA. 121+29.65

MATCH LINE STA. 116+00
(SEE SHEET NO. 39)

HORIZ.: 20
VERT.: 5
SCALE IN FEET



SEE SHEET NO. 41 FOR PROPOSED PIPE AND STRUCTURE INFORMATION FOR STORM SEWER, SANITARY SEWER AND WATER MAIN.



END IMPROVEMENT
STA. 121+29.65

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITIES HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	40	
		CHECKED <i>DJK</i>	REVISED -			CONTRACT NO. 63185					
		DATE <i>5-29-09</i>	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					

- 67 STA. 116+23.83, 33.0' LT.
INLET T-A, T-24 F & G
RIM = 605.38
INV = 601.98 (12" S)
- 68 STA. 116+23.83, 25.8' LT.
REMOVING INLET
TO MAINTAIN FLOW
INV = 601.80 (EX 12" S)
- 69 STA. 116+24.59, 25.1' RT.
REMOVING INLET
TO MAINTAIN FLOW
INV = 600.80 (EX 12" N)
- 70 STA. 116+24.59, 29.0' RT.
CB T-A, 4' DIA., T-24 F & G
RIM = 605.44
INV = 600.70 (12" N)
INV = 600.25 (12" S)
- 71 STA. 116+24.59, 52.9' RT.
PRC FLARED END SECTION, 12"
INV = 599.61
- 72 STA. 120+00.47, 27.5' LT.
CB T-A, 4' DIA., T-24 F & G
RIM = 605.04
INV = 601.02 (12" S)
- 73 STA. 120+00.47, 25.4' LT.
REMOVING INLET
TO MAINTAIN FLOW
INV = 601.00 (EX 12" S)
- 74 STA. 119+99.54, 24.7' RT.
REMOVING INLET
TO MAINTAIN FLOW
INV = 600.60 (EX 12" N)
- 75 STA. 119+99.54, 25.5' RT.
CB T-A, 4' DIA., T-24 F & G
RIM = 605.17
INV = 600.58 (12" N)
INV = 599.58 (12" S)
- 76 STA. 119+99.54, 52.6' RT.
PRC FLARED END SECTION, 12"
INV = 598.74

- 49 9' - 12" SS CL. A, T-1 @ 2.0%
TBF = 1.2 CU. YD.
- 50 5' - 12" SS CL. A, T-2 @ 2.0%
TBF = 1.2 CU. YD.
- 51 14' - 12" SS WMR T-2 @ 3.2%
TBF = 3.4 CU. YD.
- 52 26' - 12" SS REMOVAL
- 53 3' - 12" SS CL. A, T-2 @ 0.8%
TBF = 0.5 CU. YD.
- 53A 25' - PIPE UNDERDRAIN, 4"
- 54 2' - 12" SS CL. A, T-2 @ 0.8%
TBF = 0.5 CU. YD.
- 54A 25' - PIPE UNDERDRAIN, 4"
- 55 17' - 12" SS WMR T-2 @ 3.7%
TBF = 6.2 CU. YD.
- 56 28' - 12" SS REMOVAL

- 8 STA. 116+21.83, 44.6' LT.
SAN MH TO BE ADJUSTED
EX RIM = 606.45
PR RIM = 606.18
- 9 STA. 116+49.39, 18.0' LT.
SAN MH TO BE ADJUSTED
EX RIM = 605.37
PR RIM = 605.80
- 10 STA. 118+82.14, 19.2' LT.
SAN MH TO BE ADJUSTED
EX RIM = 605.63
PR RIM = 605.86
- 11 STA. 120+78.83, 17.8' LT.
SAN MH TO BE ADJUSTED
EX RIM = 604.60
PR RIM = 604.68

- 28 STA. 117+72.95, 37.9' LT.
VALVE BOX TO BE ADJUSTED
EX RIM = 606.26
PR RIM = 606.68
- 29 STA. 117+68.00, 56.5' LT.
FH TO BE ADJUSTED
- 30 STA. 119+59.90, 35.5' LT.
V.V. TO BE ADJUSTED
EX RIM = 605.16
PR RIM = 605.68
- 31 STA. 119+71.39, 30.2' LT.
V.V. TO BE ADJUSTED
EX RIM = 605.28
PR RIM = 605.58
- 32 STA. 119+77.87, 36.3' LT.
V.V. TO BE ADJUSTED
EX RIM = 605.08
PR RIM = 605.58

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITY NOTES ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	41	
	PLOT SCALE =	CHECKED <i>DJK</i>	REVISED -			CONTRACT NO. 63185					
	PLOT DATE =	DATE <i>5-29-09</i>	REVISED -			SCALE:		SHEET NO. 8 OF 8 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)	

PART OF THE SW 1/4 OF SEC. 25 AND PART OF THE SE 1/4 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

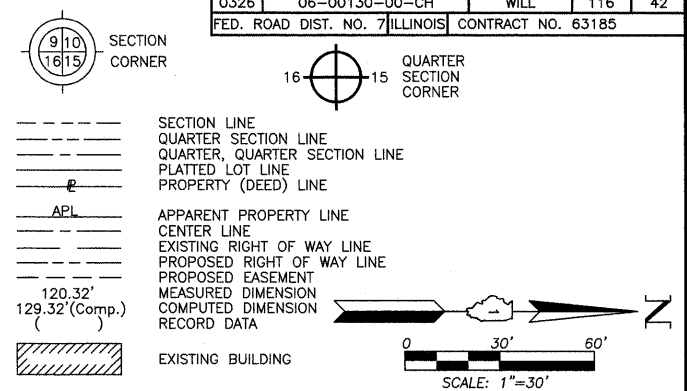
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
135+13.51	42.02' Lt.	1,786,230.206	1,031,116.992
136+50.03	41.67' Lt.	1,786,366.666	1,031,112.870
136+50.05	46.67' Lt.	1,786,366.514	1,031,107.872
138+90.23	41.04' Lt.	1,786,606.754	1,031,105.618
138+90.24	46.04' Lt.	1,786,606.603	1,031,100.618
139+45.26	32.10' Rt.	1,786,664.156	1,031,176.915
140+11.25	39.28' Rt.	1,786,730.338	1,031,181.919
140+20.16	40.70' Lt.	1,786,736.626	1,031,101.692
140+80.16	40.54' Lt.	1,786,796.599	1,031,099.880

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0001T.E.	Norma Bell Alexander, a Widow	2.793	N/A	N/A	2.793	0.028	Grading	06-03-26-400-002	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	42

LEGEND



Bearings and Coordinates are referenced to the Illinois State Plane H.A.R.N. Coordinate System, NAD83 (1999 Adjustment), East Zone, according to G.P.S. observations.

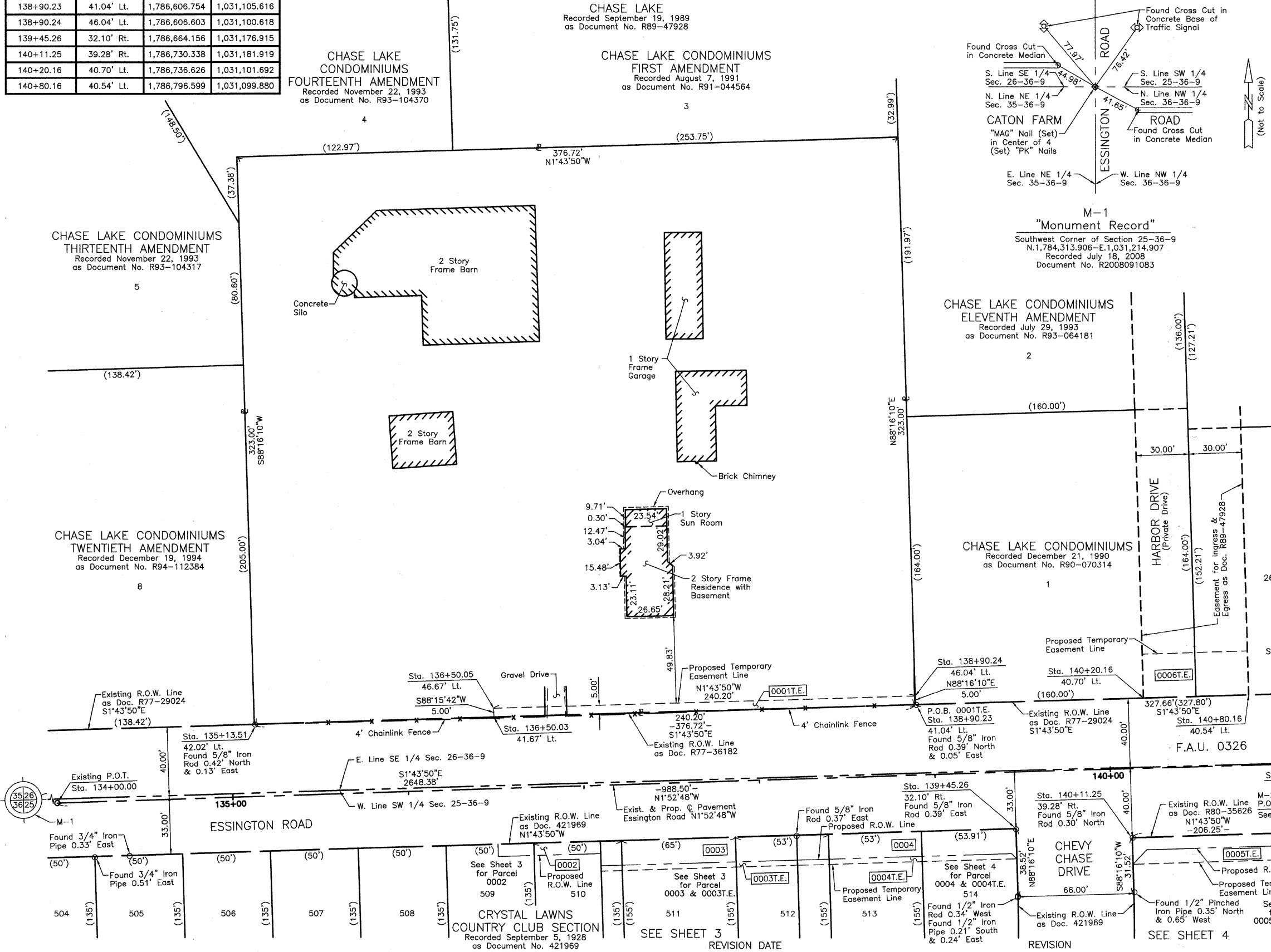
- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 25, TOWNSHIP 36N., RANGE 9E. AND SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20__ A.D.

 PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0001	R77-36182	September 22, 1977
----	421969	September 5, 1928
----	R77-29024	August 10, 1977
----	R80-35626	December 31, 1980
----	R89-47928	September 19, 1989



SEE SHEET 5
 SEE SHEET 4
 SEE SHEET 4

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
 SECTION 06-00130-00-CH WILL COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 134+00.00 TO STATION 141+00
 SCALE: 1"=30'

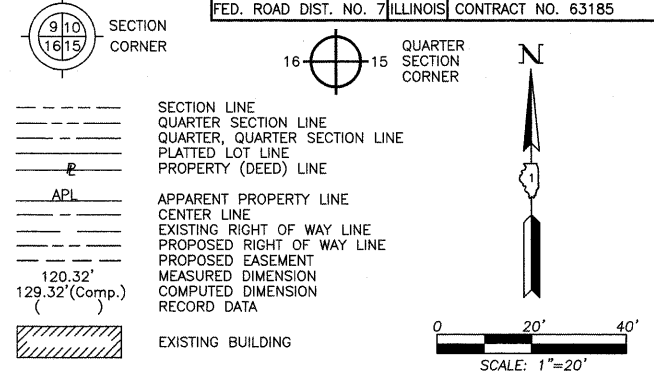
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

PART OF THE SW 1/4 OF SEC. 25 AND PART OF THE SE 1/4 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	43

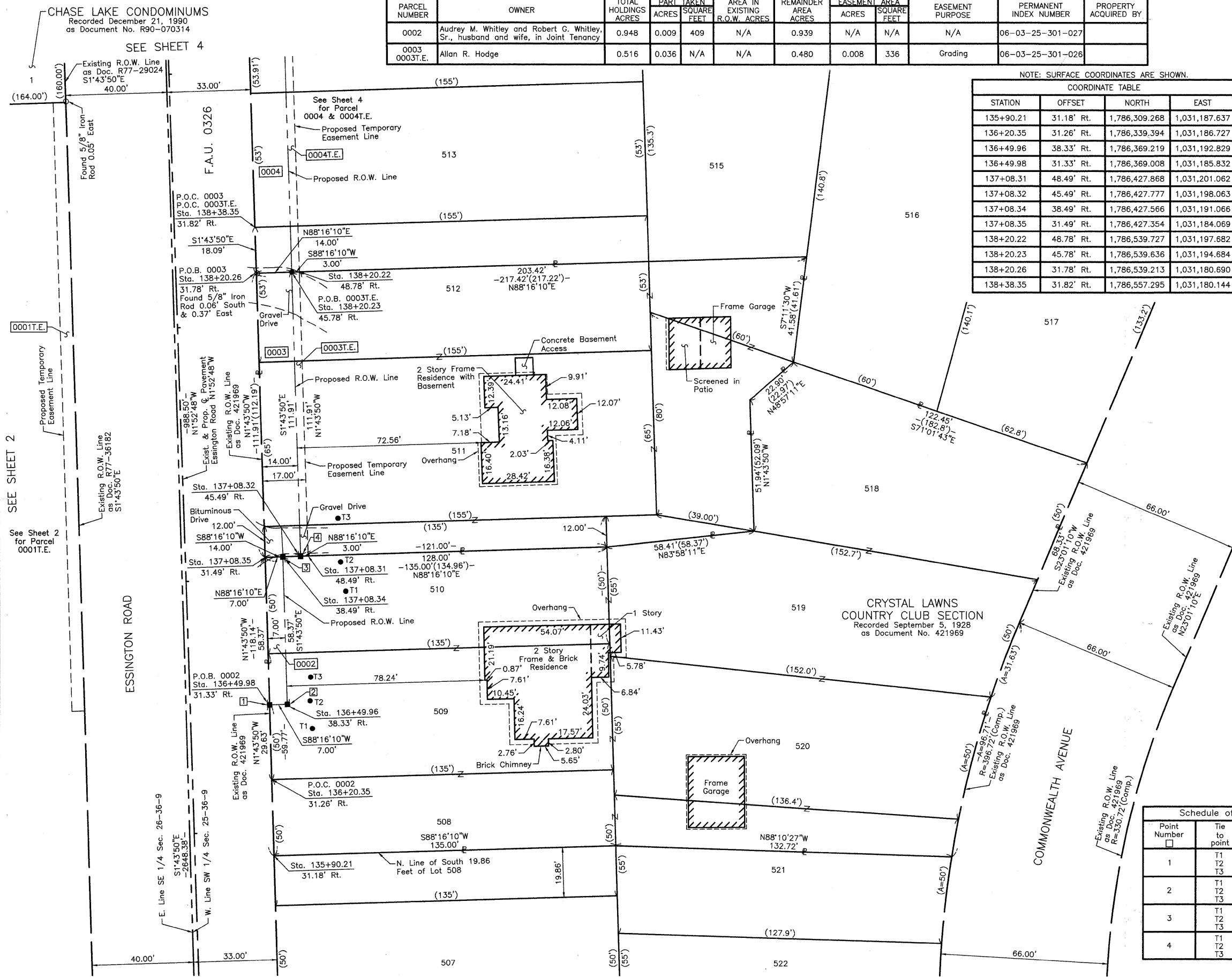
FED. ROAD DIST. NO. 7 ILLINOIS CONTRACT NO. 63185



PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN		AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA		EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
			ACRES	SQUARE FEET			ACRES	SQUARE FEET			
0002	Audrey M. Whitley and Robert G. Whitley, Sr., husband and wife, in Joint Tenancy	0.948	0.009	409	N/A	0.939	N/A	N/A	N/A	06-03-25-301-027	
0003	Allan R. Hodge	0.516	0.036	N/A	N/A	0.480	0.008	336	Grading	06-03-25-301-026	

NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	NORTH	EAST
135+90.21	31.18' Rt.	1,786,309.268	1,031,187.637
136+20.35	31.26' Rt.	1,786,339.394	1,031,186.727
136+49.96	38.33' Rt.	1,786,369.219	1,031,192.829
136+49.98	31.33' Rt.	1,786,369.008	1,031,185.832
137+08.31	48.49' Rt.	1,786,427.868	1,031,201.062
137+08.32	45.49' Rt.	1,786,427.777	1,031,198.063
137+08.34	38.49' Rt.	1,786,427.566	1,031,191.066
137+08.35	31.49' Rt.	1,786,427.354	1,031,184.069
138+20.22	48.78' Rt.	1,786,539.727	1,031,197.682
138+20.23	45.78' Rt.	1,786,539.636	1,031,194.684
138+20.26	31.78' Rt.	1,786,539.213	1,031,180.690
138+38.35	31.82' Rt.	1,786,557.295	1,031,180.144



- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE }
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 25, TOWNSHIP 36N., RANGE 9E. AND SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
 DATED AT LAKE VILLA, ILLINOIS THIS ____ DAY OF ____ 20__ A.D.

PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Parcel	Document No.	Date Recorded
0002	421969	September 5, 1928
0003	421969	September 5, 1928
----	421969	September 5, 1928
----	R77-29024	August 10, 1977
----	R77-36182	September 22, 1977

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	19.38
	T2	16.06
	T3	19.57
2	T1	13.85
	T2	9.09
	T3	14.17
3	T1	28.24
	T2	22.86
	T3	26.45
4	T1	22.47
	T2	15.93
	T3	20.92

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046 SHEET 1 IS A COVER
 (847) 356-3371 SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
 SECTION 06-00130-00-CH WILL COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 135+00 TO STATION 139+00
 SCALE: 1"=20'

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

SEE SHEET 2

ESSINGTON ROAD

COMMONWEALTH AVENUE

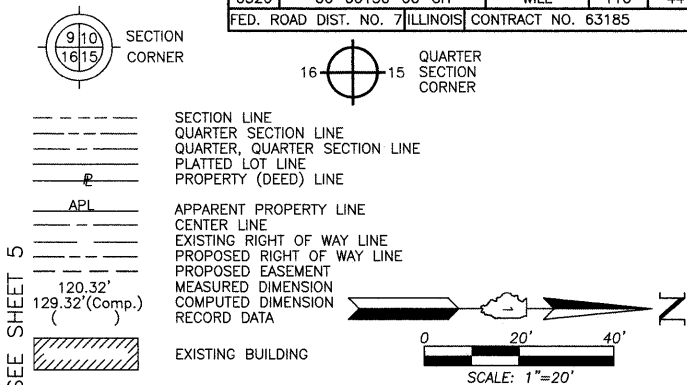
REVISION DATE

REVISION

MADE BY

PART OF THE SW 1/4 OF SEC. 25 AND PART OF THE SE 1/4 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	44

FED. ROAD DIST. NO. 7 ILLINOIS CONTRACT NO. 63185



- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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STATE OF ILLINOIS }
 COUNTY OF LAKE }
 THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 25, TOWNSHIP 36N., RANGE 9E. AND SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITION SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.
 _____ PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Parcel	Document No.	Date Recorded
0004	421969	September 5, 1928
0005	421969	September 5, 1928
0005	R80-35626	December 31, 1980
----	421969	September 5, 1928
----	R77-29024	August 10, 1977
----	R77-36182	September 22, 1977
----	R89-47928	September 19, 1989

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046 SHEET 1 IS A COVER
 (847) 356-3371 SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
 SECTION 06-00130-00-CH WILL COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 138+00 TO STATION 143+00
 SCALE: 1"=20'

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

Point Number	Tie to point	Tie Distance (feet)
1	T1	16.98
	T2	12.72
	T3	14.56
2	T1	14.08
	T2	12.20
	T3	16.43
3	T1	13.46
	T2	15.38
	T3	22.52
4	T1	20.59
	T2	17.14
	T3	18.13

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0004 0004T.E.	Jesus I. Mendoza and Angelica Mendoza, husband and wife as Tenants by the Entirety	0.322	0.040	N/A	0.282	0.009	370	Grading	06-03-25-301-001	
0005 0005T.E.	First Midwest Trust Company, National Association as Trustee under Trust Agreement dated October 28, 2000 known as Trust No. 6592	2.535	0.034	N/A	2.501	0.037	N/A	Grading	06-03-25-300-001	

STATION	OFFSET	NORTH	EAST
138+20.22	48.78' Rt.	1,786,539.727	1,031,197.682
138+20.23	45.78' Rt.	1,786,539.636	1,031,194.684
138+20.26	31.78' Rt.	1,786,539.213	1,031,180.690
139+42.22	46.10' Rt.	1,786,661.577	1,031,190.999
139+45.22	49.10' Rt.	1,786,664.670	1,031,193.907
140+11.21	54.28' Rt.	1,786,730.791	1,031,196.912
140+11.25	39.28' Rt.	1,786,730.338	1,031,181.919
140+19.22	46.30' Rt.	1,786,738.538	1,031,188.674
140+20.16	40.70' Lt.	1,786,736.626	1,031,101.692
140+80.16	40.54' Lt.	1,786,796.599	1,031,099.880
142+17.15	54.81' Rt.	1,786,936.639	1,031,190.693
142+17.33	46.81' Rt.	1,786,936.559	1,031,182.692
142+17.49	39.81' Rt.	1,786,936.489	1,031,175.690

N. Line Quit Claim Deed in Trust as Doc. R2000120810

REVISION DATE

REVISION

MADE BY

SEE SHEET 2

SEE SHEET 3

SEE SHEET 5

Point Number	Tie to point	Tie Distance (feet)
1	T1	16.98
	T2	12.72
	T3	14.56
2	T1	14.08
	T2	12.20
	T3	16.43
3	T1	13.46
	T2	15.38
	T3	22.52
4	T1	20.59
	T2	17.14
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PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0004 0004T.E.	Jesus I. Mendoza and Angelica Mendoza, husband and wife as Tenants by the Entirety	0.322	0.040	N/A	0.282	0.009	370	Grading	06-03-25-301-001	
0005 0005T.E.	First Midwest Trust Company, National Association as Trustee under Trust Agreement dated October 28, 2000 known as Trust No. 6592	2.535	0.034	N/A	2.501	0.037	N/A	Grading	06-03-25-300-001	

STATION	OFFSET	NORTH	EAST
138+20.22	48.78' Rt.	1,786,539.727	1,031,197.682
138+20.23	45.78' Rt.	1,786,539.636	1,031,194.684
138+20.26	31.78' Rt.	1,786,539.213	1,031,180.690
139+42.22	46.10' Rt.	1,786,661.577	1,031,190.999
139+45.22	49.10' Rt.	1,786,664.670	1,031,193.907
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140+19.22	46.30' Rt.	1,786,738.538	1,031,188.674
140+20.16	40.70' Lt.	1,786,736.626	1,031,101.692
140+80.16	40.54' Lt.	1,786,796.599	1,031,099.880
142+17.15	54.81' Rt.	1,786,936.639	1,031,190.693
142+17.33	46.81' Rt.	1,786,936.559	1,031,182.692
142+17.49	39.81' Rt.	1,786,936.489	1,031,175.690

N. Line Quit Claim Deed in Trust as Doc. R2000120810

REVISION DATE

REVISION

MADE BY

PART OF THE W. 1/2 OF SEC. 25 AND PART OF THE E. 1/2 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0006T.E.	Chase Lake Condominium Association	1.184*	N/A	N/A	1.184*	0.034	Construction Purposes	06-03-26-402-038-1001 thru 1004 06-03-26-402-063-1001 thru 1004	
0008 0008P.E. 0008T.E.	Louis Joliet Shoppingtown, L.P., a Delaware Limited Partnership	N/A	0.069	N/A	N/A	P.E.=0.098 T.E.=0.311	Highway Purposes Construction Purposes	06-03-26-400-005	

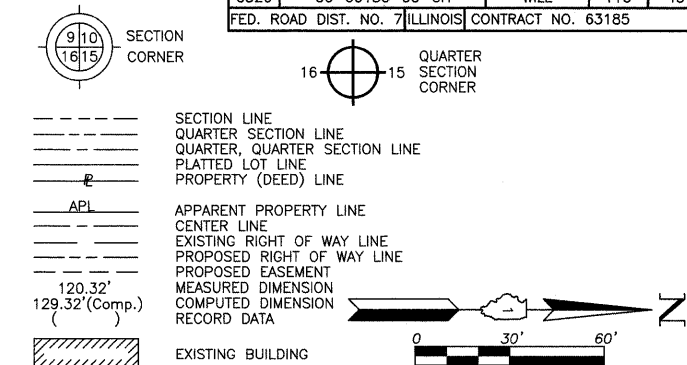
* Area Based on Lots 1 and 26 Only.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
109+38.46	44.00' Rt.	1,787,015.754	1,031,053.241
109+53.54	41.00' Lt.	1,787,101.082	1,031,066.341
109+78.43	39.00' Rt.	1,787,021.683	1,031,093.080
110+58.43	39.00' Rt.	1,787,023.544	1,031,173.060
110+67.14	41.00' Lt.	1,787,103.725	1,031,179.910
138+90.23	41.04' Lt.	1,786,606.754	1,031,105.616
139+45.26	32.10' Rt.	1,786,664.156	1,031,176.915
140+11.25	39.28' Rt.	1,786,730.338	1,031,181.919
140+20.16	40.70' Lt.	1,786,736.626	1,031,101.692
140+20.23	65.70' Lt.	1,786,735.872	1,031,076.704
140+50.16	40.62' Lt.	1,786,766.613	1,031,100.786

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
140+80.16	40.54' Lt.	1,786,796.599	1,031,099.880
140+80.23	65.54' Lt.	1,786,795.844	1,031,074.892
142+16.61	140.19' Lt.	1,786,929.704	1,030,995.813
142+17.89	40.19' Lt.	1,786,934.265	1,031,095.721
142+30.35	40.15' Lt.	1,786,946.715	1,031,095.345
142+30.73	80.15' Lt.	1,786,945.784	1,031,055.355
142+43.40	0.12' Lt.	1,786,961.078	1,031,134.929
143+93.62	39.67' Rt.	1,787,113.246	1,031,169.689
143+94.52	56.33' Lt.	1,787,109.060	1,031,073.778
144+34.85	55.44' Lt.	1,787,141.167	1,031,070.596

EXISTING R.O.W. RECORDED INFORMATION			
Parcel	Document No.	Date Recorded	
0006	R77-29024	August 10, 1977	
0006	R89-47928	September 19, 1989	
0008	R77-29024	August 10, 1977	
0008	R83-15542	June 7, 1983	
----	421969	September 5, 1928	
----	R77-36182	September 22, 1977	
----	R80-35626	December 31, 1980	
----	R83-15542	June 7, 1983	
----	R2007142999	September 25, 2007	

LEGEND



Bearings and Coordinates are referenced to the Illinois State Plane H.A.R.N. Coordinate System, NAD83 (1999 Adjustment), East Zone, according to G.P.S. observations.

SCALE: 1"=30'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 25, TOWNSHIP 36N., RANGE 9E. AND SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

NOTE: SURFACE COORDINATES ARE SHOWN.

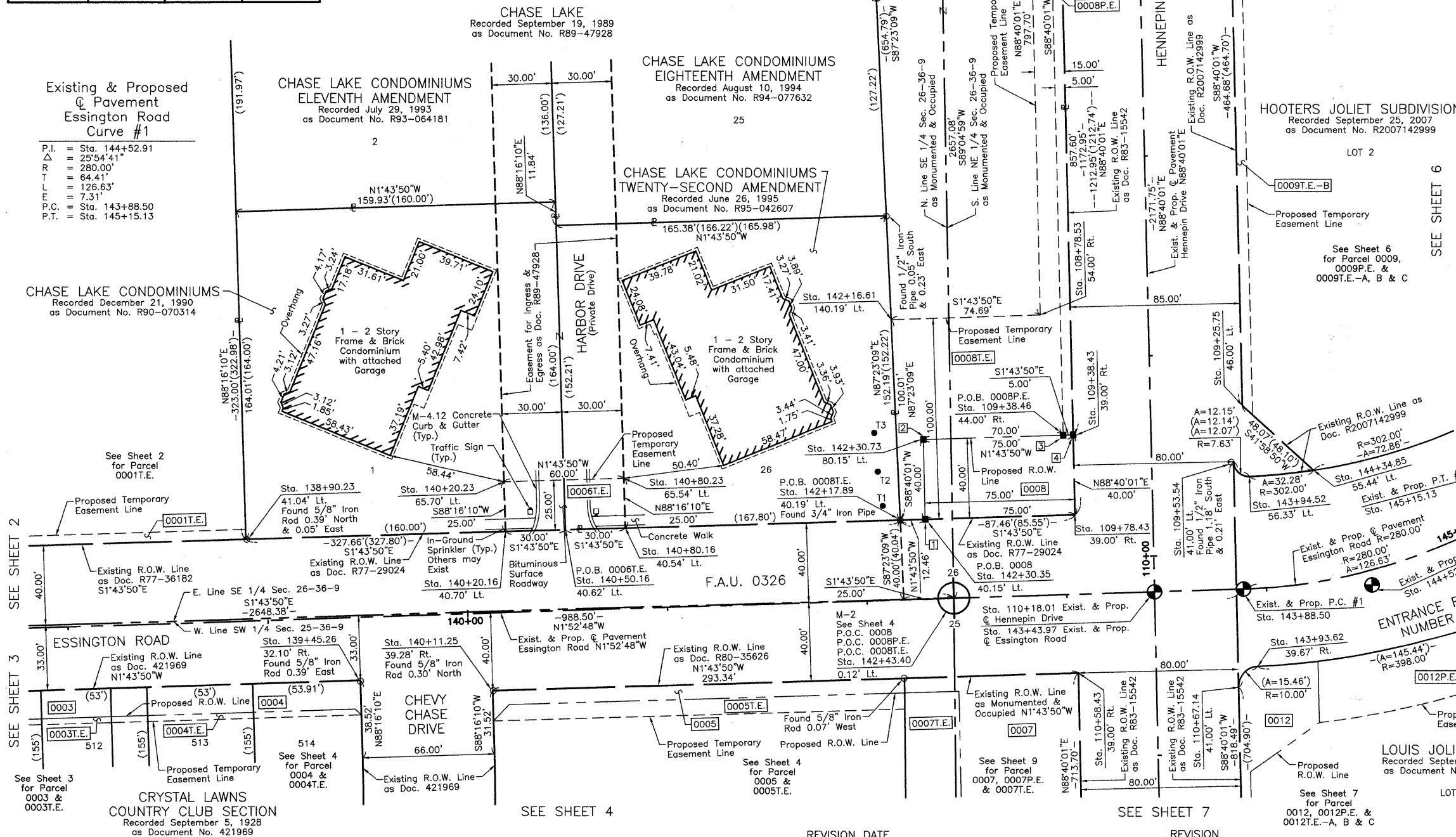
COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
100+80.83	39.00' Rt.	1,787,000.801	1,030,195.727
100+80.83	44.00' Rt.	1,786,995.802	1,030,195.843
100+80.83	54.00' Rt.	1,786,985.805	1,030,196.076
108+78.53	54.00' Rt.	1,787,004.363	1,030,993.558
109+25.75	46.00' Lt.	1,787,105.434	1,031,038.444
109+38.43	39.00' Rt.	1,787,020.752	1,031,053.090

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
SECTION 06-00130-00-CH WILL COUNTY
PROJECT JOB NO. R-55-001-97
STATION 100+00 TO STATION 111+00 HENNEPIN DRIVE
STATION 138+00 TO STATION 145+00 ESSINGTON ROAD
SCALE: 1"=30'

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	22.33
	T2	33.68
	T3	50.17
2	T1	38.93
	T2	27.95
	T3	24.83
3	T1	96.97
	T2	94.57
	T3	94.60
4	T1	101.69
	T2	99.51
	T3	99.60
5	T1	26.20
	T2	18.59
	T3	26.97
6	T1	29.97
	T2	23.55
	T3	29.71

PART OF THE E. 1/2 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0009 0009P.E. 0009T.E.-A 0009T.E.-B 0009T.E.-C	Brandon Realty Venture, Inc., a Florida Corporation	3.244	0.019	N/A	3.225	P.E.=0.003 T.E.-A=0.020 T.E.-B=0.073 T.E.-C=0.024	135 N/A N/A N/A	Highway Purposes Grading Grading Grading	06-03-26-207-001 06-03-26-207-002	

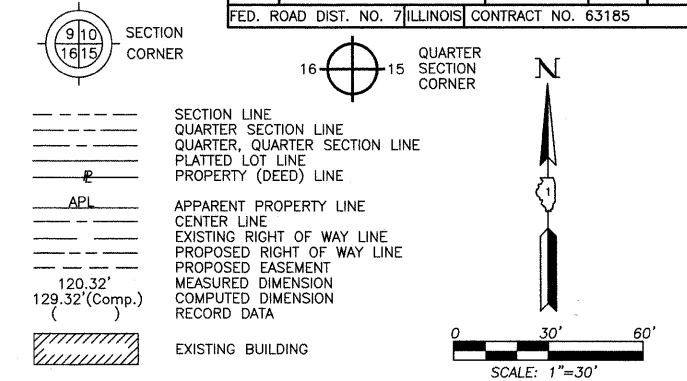
NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
100+80.83	41.00' Lt.	1,787,080.779	1,030,193.866
100+80.83	45.00' Lt.	1,787,084.778	1,030,193.773
102+95.86	41.00' Lt.	1,787,085.782	1,030,408.839
102+95.86	45.00' Lt.	1,787,089.780	1,030,408.746
102+95.86	46.00' Lt.	1,787,090.780	1,030,408.723
102+95.86	51.00' Lt.	1,787,095.779	1,030,408.606
104+61.07	41.00' Lt.	1,787,089.625	1,030,574.007
104+61.07	46.00' Lt.	1,787,094.624	1,030,573.890

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
109+25.75	46.00' Lt.	1,787,105.434	1,031,038.444
109+30.47	51.00' Lt.	1,787,110.542	1,031,043.040
145+53.92	69.82' Lt.	1,787,229.236	1,031,018.288
145+65.66	121.76' Lt.	1,787,215.398	1,030,966.861
145+70.60	120.63' Lt.	1,787,220.293	1,030,965.567
145+75.27	134.88' Lt.	1,787,217.785	1,030,950.782
146+37.40	322.08' Lt.	1,787,185.463	1,030,756.203
146+40.95	320.60' Lt.	1,787,189.299	1,030,755.856

Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1	23.02
	T2	19.69
	T3	24.83
2	T1	18.93
	T2	14.70
	T3	21.05
3	T1	18.77
	T2	14.38
	T3	17.43
4	T1	15.16
	T2	10.53
	T3	14.53
5	T1	12.30
	T2	26.83
	T3	41.70

LEGEND



Bearings and Coordinates are referenced to the Illinois State Plane H.A.R.N. Coordinate System, NAD83 (1999 Adjustment), East Zone, according to G.P.S. observations.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

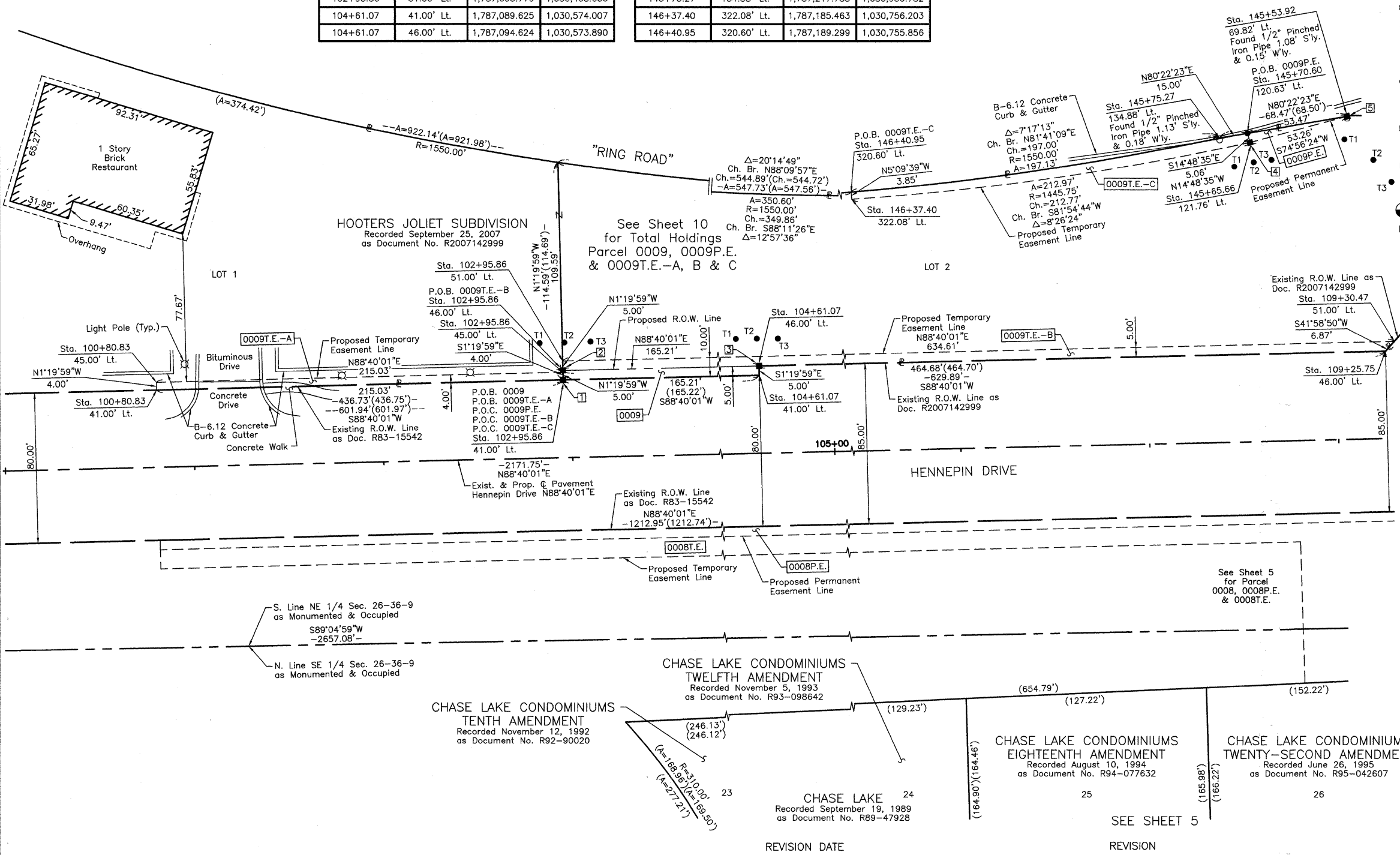
STATE OF ILLINOIS }
COUNTY OF LAKE }
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS. DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20__ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0009	R83-15542	June 7, 1983
0009	R2007142999	September 25, 2007
----	R83-15542	June 7, 1983

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371
SHEET 1 IS A COVER
SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
SECTION 06-00130-00-CH WILL COUNTY
PROJECT JOB NO. R-55-001-97
STATION 100+00 TO STATION 109+00
SCALE: 1"=30'
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



REVISION DATE

REVISION

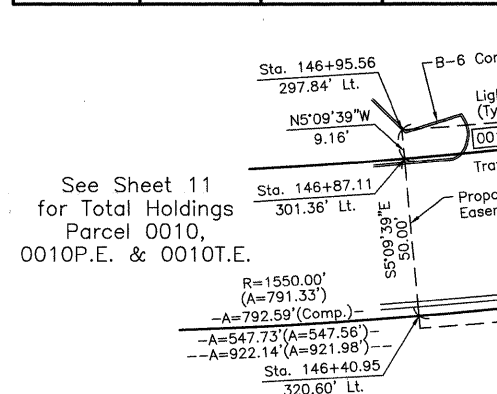
MADE BY

PART OF THE NW 1/4 OF SEC. 25 AND PART OF THE NE 1/4 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

NOTE: SURFACE COORDINATES ARE SHOWN.

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
109+25.75	46.00' Lt.	1,787,105.434	1,031,038.444
109+53.54	41.00' Lt.	1,787,101.082	1,031,066.341
109+78.43	39.00' Rt.	1,787,021.683	1,031,093.080
110+09.23	41.00' Lt.	1,787,102.378	1,031,122.016
110+09.23	42.48' Lt.	1,787,103.857	1,031,121.980
110+58.43	39.00' Rt.	1,787,023.544	1,031,173.060
110+67.14	41.00' Lt.	1,787,103.725	1,031,179.910
142+43.40	0.12' Lt.	1,786,961.078	1,031,134.929
143+93.62	39.67' Rt.	1,787,113.246	1,031,169.689
143+94.52	56.33' Lt.	1,787,109.060	1,031,073.778
144+20.15	40.06' Rt.	1,787,143.432	1,031,167.097
144+26.20	7.72' Lt.	1,787,142.301	1,031,118.915
144+34.85	55.44' Lt.	1,787,141.167	1,031,070.596
145+20.69	46.49' Rt.	1,787,254.062	1,031,136.674
145+22.68	49.30' Lt.	1,787,211.161	1,031,051.008
145+24.99	0.98' Lt.	1,787,235.731	1,031,092.679
145+48.36	73.24' Rt.	1,787,291.013	1,031,147.434
145+52.36	103.10' Rt.	1,787,308.478	1,031,171.993
145+53.92	69.82' Lt.	1,787,229.236	1,031,018.288
145+70.60	120.63' Lt.	1,787,220.293	1,030,965.567
145+74.97	193.85' Rt.	1,787,370.788	1,031,241.725
145+75.27	134.88' Lt.	1,787,217.785	1,030,950.782
146+04.51	4.77' Rt.	1,787,308.764	1,031,060.689
146+18.74	93.95' Rt.	1,787,362.928	1,031,132.943

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
146+20.34	110.03' Lt.	1,787,269.237	1,030,951.749
146+23.37	121.23' Lt.	1,787,266.700	1,030,940.422
146+27.81	108.44' Lt.	1,787,276.592	1,030,949.673
146+40.95	320.60' Lt.	1,787,189.299	1,030,755.856
146+41.62	320.21' Rt.	1,787,488.666	1,031,322.442
146+87.11	301.36' Lt.	1,787,239.098	1,030,751.359
146+92.16	282.45' Rt.	1,787,515.771	1,031,265.473
146+95.56	297.84' Lt.	1,787,248.220	1,030,750.535



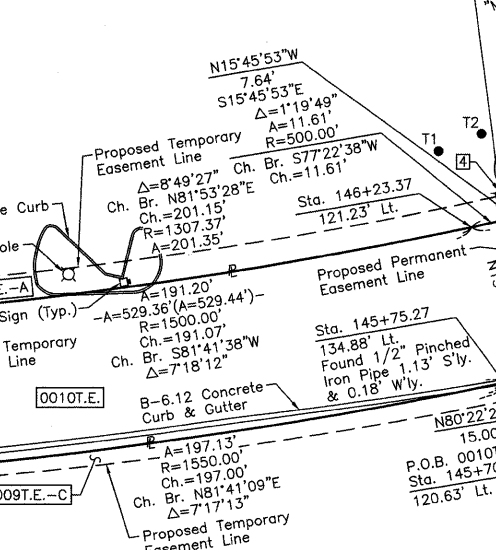
Schedule of Ties		
Point Number	Tie to point	Tie Distance (feet)
1	T1 T2 T3	22.29 26.19 39.32
2	T1 T2 T3	34.67 19.54 18.91
3	T1 T2 T3	12.30 26.83 41.70
4	T1 T2 T3	24.20 20.45 25.65
5	T1 T2 T3	14.37 9.92 7.99

T1, T2 & T3 to Point Nos. 4 & 5 are "MAG" Nails (Set) in Bituminous Parking Lot.

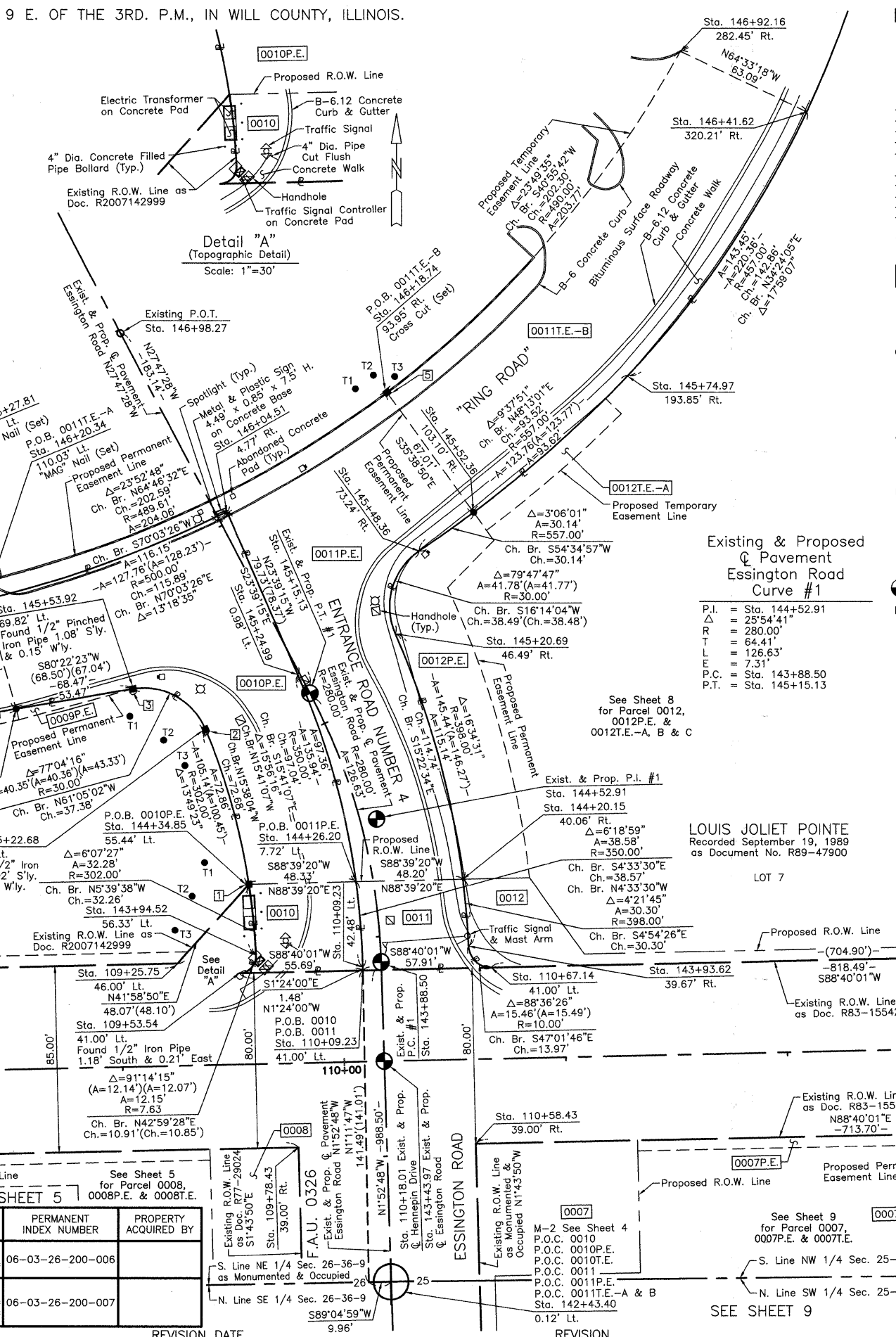
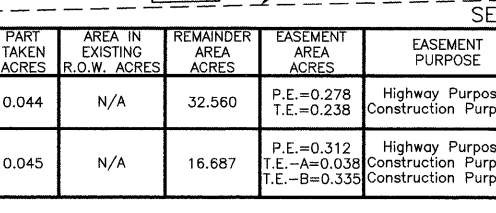
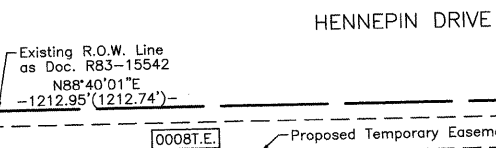
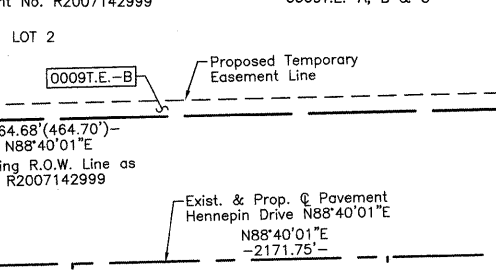
PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0010 0010P.E. 0010T.E.	Louis Joliet Shoppingtown L.P., a Delaware Limited Partnership	32.604	0.044	N/A	32.560	P.E.=0.278 T.E.=0.238	Highway Purposes Construction Purposes	06-03-26-200-006	
0011 0011P.E. 0011T.E.-A 0011T.E.-B	American National Bank and Trust Company of Chicago (or its successor) as Trustee under Trust Agreement dated April 11, 1972 known as Trust No. 76639	16.732	0.045	N/A	16.687	P.E.=0.312 T.E.=A=0.038 T.E.=B=0.335	Highway Purposes Construction Purposes	06-03-26-200-007	

COORDINATE TABLE			
STATION	OFFSET	NORTH	EAST
146+20.34	110.03' Lt.	1,787,269.237	1,030,951.749
146+23.37	121.23' Lt.	1,787,266.700	1,030,940.422
146+27.81	108.44' Lt.	1,787,276.592	1,030,949.673
146+40.95	320.60' Lt.	1,787,189.299	1,030,755.856
146+41.62	320.21' Rt.	1,787,488.666	1,031,322.442
146+87.11	301.36' Lt.	1,787,239.098	1,030,751.359
146+92.16	282.45' Rt.	1,787,515.771	1,031,265.473
146+95.56	297.84' Lt.	1,787,248.220	1,030,750.535

See Sheet 10 for Total Holdings Parcel 0011, 0011P.E. & 0011T.E.-A & B



HOOTERS JOLIET SUBDIVISION
Recorded September 25, 2007
as Document No. R2007142999



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTER LINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING

Bearings and Coordinates are referenced to the Illinois State Plane H.A.R.N. Coordinate System, NAD83 (1999 Adjustment), East Zone, according to G.P.S. observations.

0 30' 60'
SCALE: 1"=30'

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- ⊙ 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 25, TOWNSHIP 36N., RANGE 9E. AND SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

LOUIS JOLIET POINTE
Recorded September 19, 1989
as Document No. R89-47900

LOT 7

EXISTING R.O.W. RECORDED INFORMATION		
Parcel	Document No.	Date Recorded
0010	R2007142999	September 25, 2007
0010	R83-15542	June 7, 1983
0011	R83-15542	June 7, 1983
----	R77-29024	August 10, 1977
----	R83-15542	June 7, 1983

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371

SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
SECTION 06-00130-00-CH WILL COUNTY
PROJECT JOB NO. R-55-001-97
STATION 106+00 TO STATION 112+00 HENNEPIN DRIVE
STATION 142+00 TO STATION 147+00 ESSINGTON ROAD
SCALE: 1"=30'

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

PART OF THE NW 1/4 OF SEC. 25 AND PART OF THE NE 1/4 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

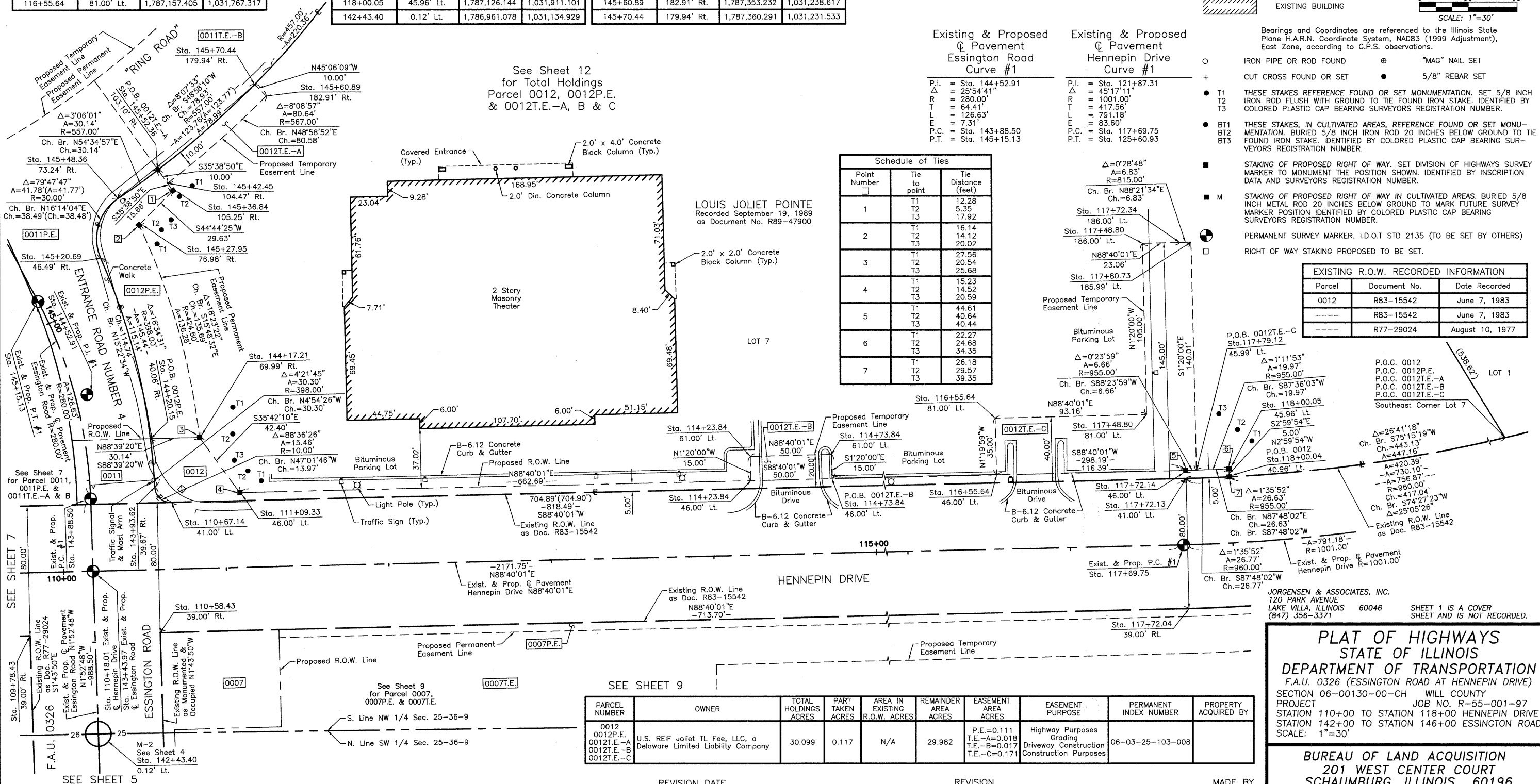
NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	NORTH	EAST
109+78.43	39.00' Rt.	1,787,021.683	1,031,093.080
110+58.43	39.00' Rt.	1,787,023.544	1,031,173.060
110+67.14	41.00' Lt.	1,787,103.725	1,031,179.910
111+09.33	46.00' Lt.	1,787,109.705	1,031,221.976
114+23.84	46.00' Lt.	1,787,117.022	1,031,536.395
114+23.84	61.00' Lt.	1,787,132.018	1,031,536.046
114+73.84	46.00' Lt.	1,787,118.185	1,031,586.382
114+73.84	61.00' Lt.	1,787,133.181	1,031,586.033
116+55.64	46.00' Lt.	1,787,122.414	1,031,768.132
116+55.64	81.00' Lt.	1,787,157.405	1,031,767.317

STATION	OFFSET	NORTH	EAST
117+48.80	81.00' Lt.	1,787,159.572	1,031,860.454
117+48.80	186.00' Lt.	1,787,264.544	1,031,858.011
117+72.04	39.00' Rt.	1,787,040.148	1,031,886.567
117+72.13	41.00' Lt.	1,787,120.124	1,031,884.612
117+72.14	46.00' Lt.	1,787,125.122	1,031,884.489
117+72.34	186.00' Lt.	1,787,265.080	1,031,881.068
117+79.12	45.99' Lt.	1,787,125.308	1,031,891.150
117+80.73	185.99' Lt.	1,787,265.276	1,031,887.892
118+00.04	40.96' Lt.	1,787,121.151	1,031,911.363
118+00.05	45.96' Lt.	1,787,126.144	1,031,911.101
142+43.40	0.12' Lt.	1,786,961.078	1,031,134.929

STATION	OFFSET	NORTH	EAST
143+93.62	39.67' Rt.	1,787,113.246	1,031,169.689
144+17.21	69.99' Rt.	1,787,144.139	1,031,197.230
144+20.15	40.06' Rt.	1,787,143.432	1,031,167.097
145+20.69	46.49' Rt.	1,787,254.062	1,031,136.674
145+27.95	76.98' Rt.	1,787,274.700	1,031,160.263
145+36.84	105.25' Rt.	1,787,295.749	1,031,181.122
145+42.45	104.47' Rt.	1,787,300.349	1,031,177.822
145+48.36	73.24' Rt.	1,787,291.013	1,031,147.434
145+52.36	103.10' Rt.	1,787,308.478	1,031,171.993
145+60.89	182.91' Rt.	1,787,353.232	1,031,238.617
145+70.44	179.94' Rt.	1,787,360.291	1,031,231.533

See Sheet 12 for Total Holdings Parcel 0012, 0012P.E. & 0012T.E.-A, B & C



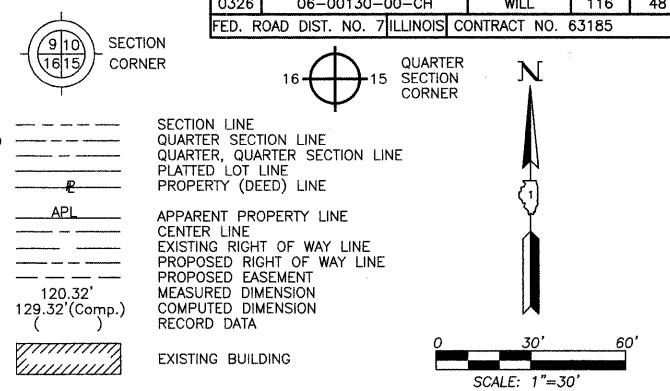
STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 25, TOWNSHIP 36N., RANGE 9E. AND SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

 PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

LEGEND



Existing & Proposed Pavement & Curbs
 Essington Road Curve #1

P.I.	= Sta. 144+52.91
Δ	= 25°54'41"
R	= 280.00'
T	= 64.41'
L	= 126.63'
E	= 7.31'
P.C.	= Sta. 143+88.50
P.T.	= Sta. 145+15.13

Existing & Proposed Pavement & Curbs
 Hennepin Drive Curve #1

P.I.	= Sta. 121+87.31
Δ	= 45°17'11"
R	= 1001.00'
T	= 417.56'
L	= 791.18'
E	= 83.60'
P.C.	= Sta. 117+69.75
P.T.	= Sta. 125+80.93

Schedule of Ties

Point Number	Tie to point	Tie Distance (feet)
1	T1	12.28
	T2	5.35
	T3	17.92
2	T1	16.14
	T2	14.12
	T3	20.02
3	T1	27.56
	T2	20.54
	T3	25.68
4	T1	15.23
	T2	14.52
	T3	20.59
5	T1	44.61
	T2	40.64
	T3	40.44
6	T1	22.27
	T2	24.68
	T3	34.35
7	T1	26.18
	T2	29.57
	T3	39.35

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
0012	R83-15542	June 7, 1983
----	R83-15542	June 7, 1983
----	R77-29024	August 10, 1977

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0012 0012P.E. 0012T.E.-A 0012T.E.-B 0012T.E.-C	U.S. REIF Joliet TL Fee, LLC, a Delaware Limited Liability Company	30.099	0.117	N/A	29.982	P.E.=0.111 T.E.-A=0.018 T.E.-B=0.017 T.E.-C=0.171	Highway Purposes Grading Driveway Construction Construction Purposes	06-03-25-103-008	

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
 SECTION 06-00130-00-CH WILL COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 110+00 TO STATION 118+00 HENNEPIN DRIVE
 STATION 142+00 TO STATION 146+00 ESSINGTON ROAD
 SCALE: 1"=30'

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

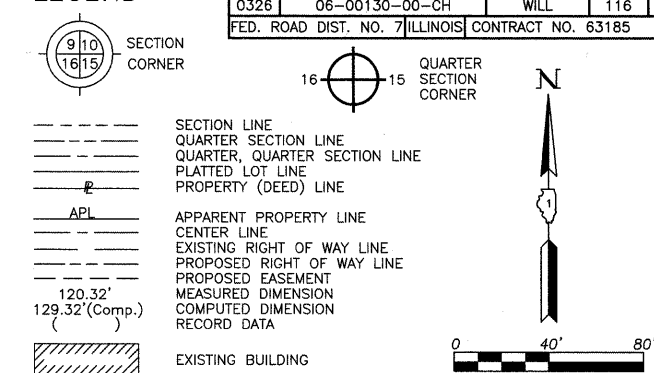
PART OF THE W. 1/2 OF SEC. 25 AND PART OF THE E. 1/2 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

NOTE: SURFACE COORDINATES ARE SHOWN.

STATION	OFFSET	NORTH	EAST
109+78.43	39.00' Rt.	1,787,021.683	1,031,093.080
110+58.43	39.00' Rt.	1,787,023.544	1,031,173.060
111+31.47	39.00' Rt.	1,787,025.243	1,031,246.083
111+31.47	44.00' Rt.	1,787,020.244	1,031,246.199
111+31.47	99.00' Rt.	1,786,965.259	1,031,247.479
114+00.00	67.00' Rt.	1,787,003.498	1,031,515.188
114+00.00	132.01' Rt.	1,786,938.509	1,031,516.701
117+72.01	67.00' Rt.	1,787,012.156	1,031,887.251
117+72.03	44.00' Rt.	1,787,035.149	1,031,886.683
117+72.04	39.00' Rt.	1,787,040.148	1,031,886.567

STATION	OFFSET	NORTH	EAST
117+72.13	41.00' Lt.	1,787,120.124	1,031,884.612
120+49.88	67.32' Rt.	1,787,060.196	1,032,178.886
120+49.90	44.32' Rt.	1,787,082.155	1,032,172.044
120+49.91	39.32' Rt.	1,787,086.928	1,032,170.556
142+17.16	46.81' Rt.	1,786,936.388	1,031,182.697
142+17.34	39.81' Rt.	1,786,936.344	1,031,175.695
142+17.74	24.81' Rt.	1,786,936.248	1,031,160.684
142+42.89	24.87' Rt.	1,786,961.382	1,031,159.924
142+43.40	0.12' Lt.	1,786,961.078	1,031,134.929
142+44.52	46.88' Rt.	1,786,963.732	1,031,181.870
143+04.73	25.30' Rt.	1,787,023.201	1,031,158.321

LEGEND



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	49

FED. ROAD DIST. NO. 7 ILLINOIS CONTRACT NO. 63185

Bearings and Coordinates are referenced to the Illinois State Plane H.A.R.N. Coordinate System, NAD83 (1999 Adjustment), East Zone, according to G.P.S. observations.

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 25, TOWNSHIP 36N., RANGE 9E. AND SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

Parcel	Document No.	Date Recorded
0007	R83-15542	June 7, 1983
----	R83-15542	June 7, 1983
----	R77-29024	August 10, 1977
----	R80-35626	December 31, 1980

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60048 SHEET 1 IS A COVER
 (847) 356-3371 SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
 SECTION 06-00130-00-CH WILL COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION 110+00 TO STATION 121+00 HENNEPIN DRIVE
 STATION 141+00 TO STATION 145+00 ESSINGTON ROAD
 SCALE: 1"=40'

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

LOUIS JOLIET POINTE
 Recorded September 19, 1989
 as Document No. R89-47900

LOT 7

HENNEPIN DRIVE

LOT G-2-B
 IN LOUIS JOLIET MALL
 Recorded August 23, 1996
 as Document No. R96-075271

MUNICIPAL SUBDIVISION
 Recorded December 6, 1976
 as Document No. R76-39899

UNIT THREE
 CRYSTAL LAWN MANORS
 Recorded November 25, 1964
 as Document No. 1023425
 Corrected by Amendment Certificate
 Recorded November 16, 1967
 as Document No. R67-17944

Point Number	Tie to point	Tie Distance (feet)
1	T1	45.61
	T2	56.85
	T3	72.44
2	T1	72.45
	T2	55.07
	T3	49.42
3	T1	119.17
	T2	109.75
	T3	103.71
4	T1	123.75
	T2	114.73
	T3	108.68
5	T1	44.89
	T2	41.55
	T3	49.75
6	T1	45.92
	T2	42.10
	T3	45.32
7	T1	50.52
	T2	47.10
	T3	49.95

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0007	GGP/Homart, Inc., a Delaware Corporation	N/A	0.135	0.030	N/A	P.E.=0.107 T.E.=0.921	Highway Purposes Construction Purposes	06-03-25-100-028	

REVISION DATE

REVISION

MADE BY

See Sheet 7 for Parcel 0011, 0011P.E. & 0011T.E.-A & B

See Sheet 8 for Parcel 0012, 0012P.E. & 0012T.E.-A, B & C

SEE SHEET 4

SEE SHEET 7

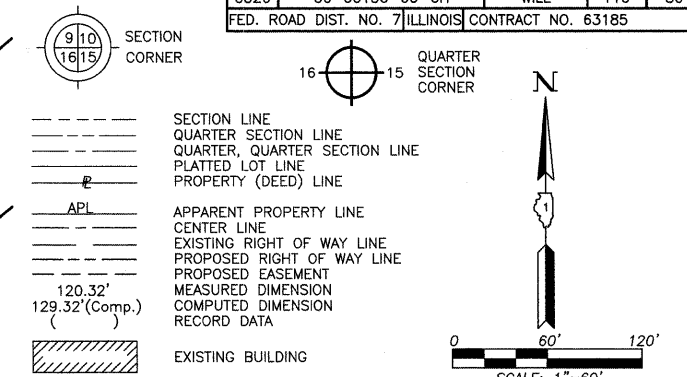
SEE SHEET 4

SEE SHEET 4

PART OF THE NW 1/4 OF SEC. 25 AND PART OF THE NE 1/4 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

PLAT OF RESUBDIVISION
PARCEL D-1
IN LOUIS JOLIET MALL
Recorded March 1, 1993
as Document No. R93-016137

LEGEND



F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	50
FED. ROAD DIST. NO. 7 ILLINOIS CONTRACT NO. 63185				

TOTAL HOLDINGS
PARCEL 0011,
0011P.E., 0011T.E.-A
& 0011T.E.-B

Note:
Part of Louis Joliet Mall
lies within the total holdings
of Parcel 0011

- Bearings and Coordinates are referenced to the Illinois State Plane H.A.R.N. Coordinate System, NAD83 (1999 Adjustment), East Zone, according to G.P.S. observations.
- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
 - T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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 - PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 25, TOWNSHIP 36N., RANGE 9E. AND SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

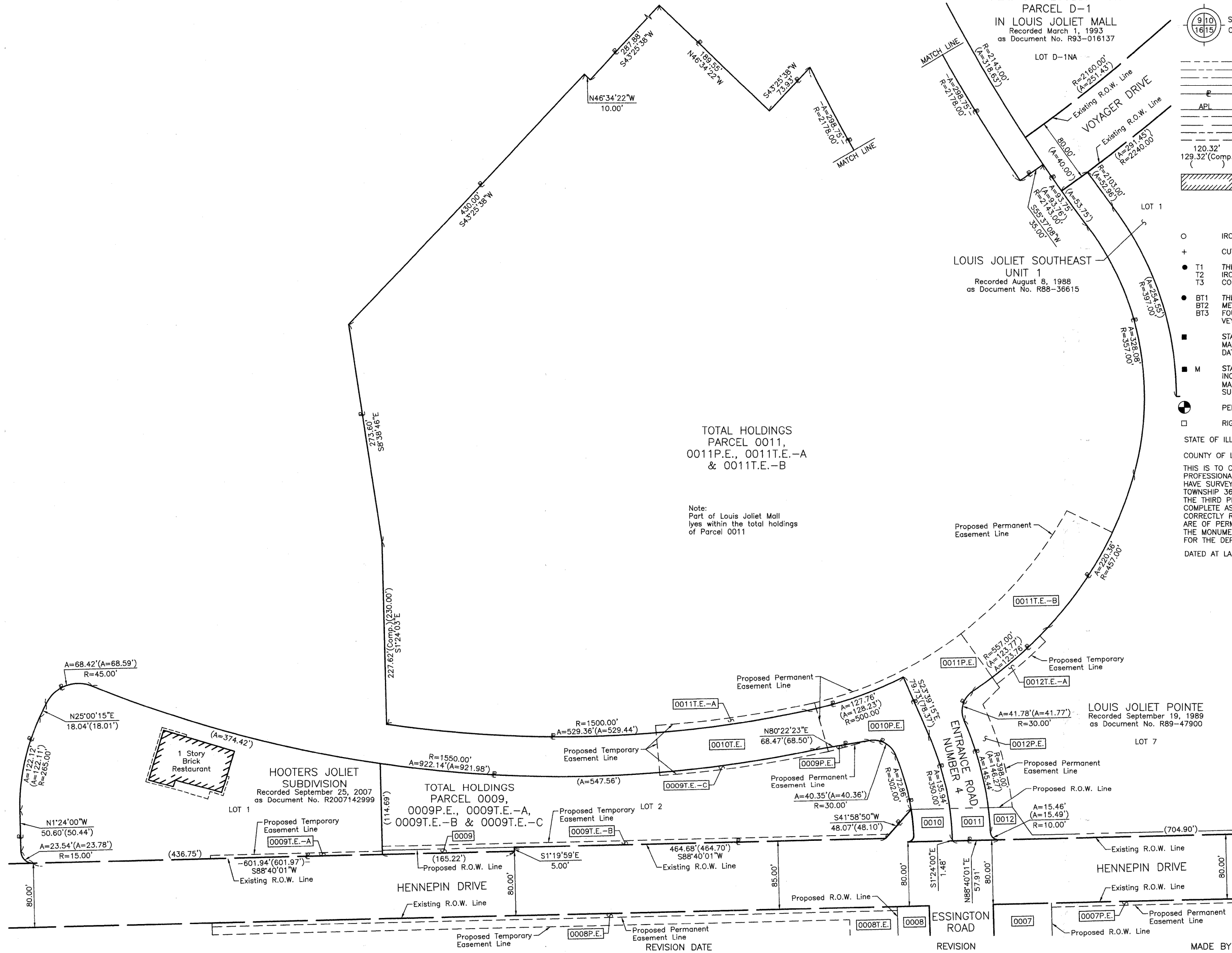
DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20__ A.D.

PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT
ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046 SHEET 1 IS A COVER
(847) 356-3371 SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
SECTION 06-00130-00-CH WILL COUNTY
PROJECT JOB NO. R-55-001-97
STATION NONE TO STATION
SCALE: 1"=60'

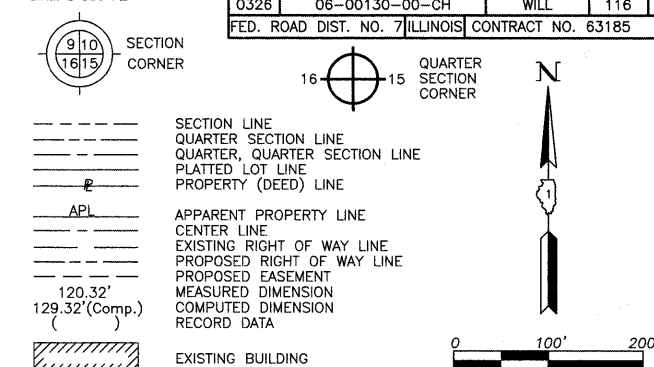
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196



REVISION DATE _____ MADE BY _____

PART OF THE NW 1/4 OF SEC. 25 AND PART OF THE NE 1/4 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	51

FED. ROAD DIST. NO. 7 ILLINOIS CONTRACT NO. 63185

Bearings and Coordinates are referenced to the Illinois State Plane H.A.R.N. Coordinate System, NAD83 (1999 Adjustment), East Zone, according to G.P.S. observations.

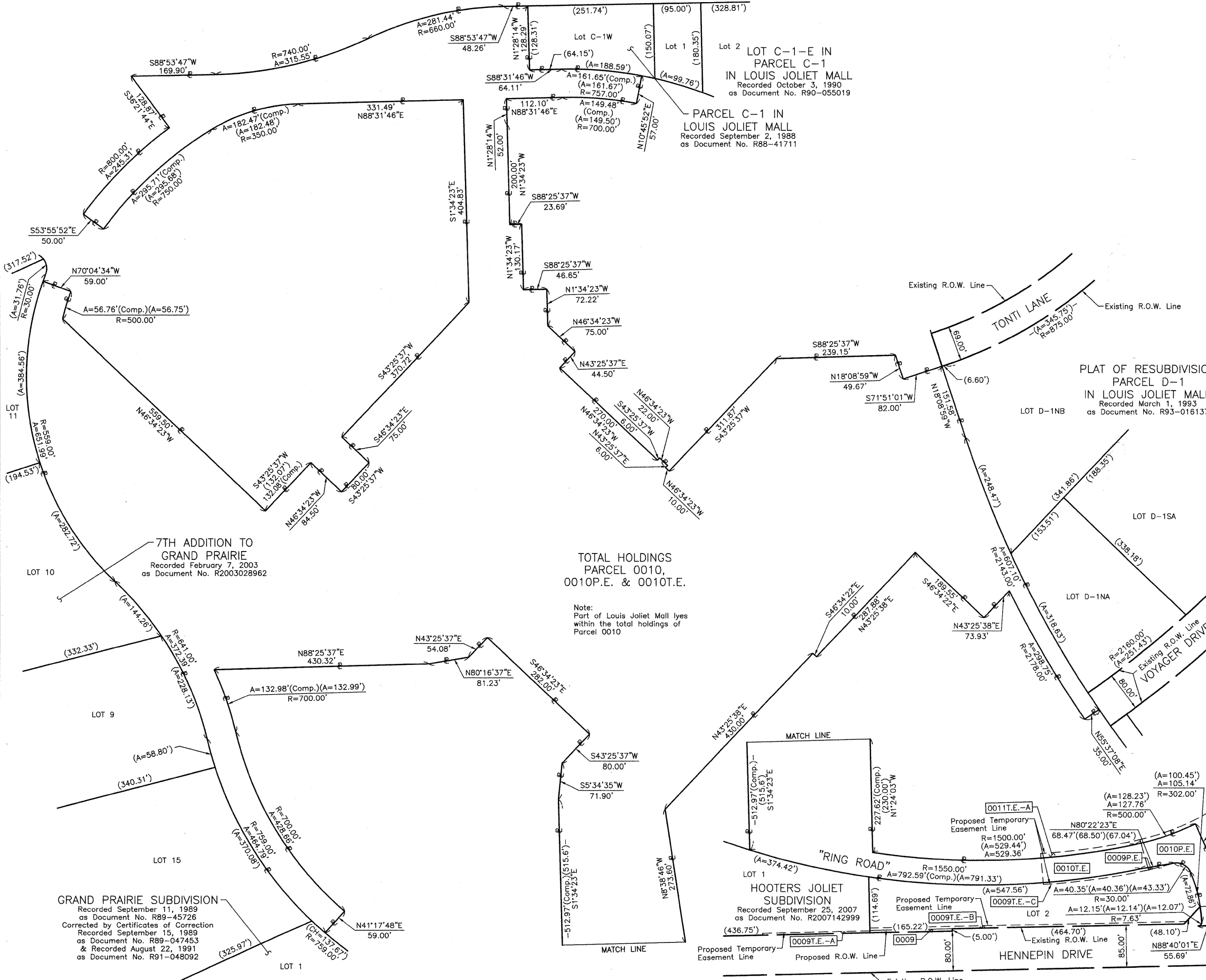
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- + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
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- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 25, TOWNSHIP 36N., RANGE 9E. AND SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

 PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



GRAND PRAIRIE SUBDIVISION
 Recorded September 11, 1989
 as Document No. R89-45726
 Corrected by Certificates of Correction
 Recorded September 15, 1989
 as Document No. R89-047453
 & Recorded August 22, 1991
 as Document No. R91-048092

7TH ADDITION TO GRAND PRAIRIE
 Recorded February 7, 2003
 as Document No. R2003028962

TOTAL HOLDINGS PARCEL 0010, 0010P.E. & 0010T.E.

Note:
 Part of Louis Joliet Mall lies within the total holdings of Parcel 0010

HOOTERS JOLIET SUBDIVISION
 Recorded September 25, 2007
 as Document No. R2007142999

PLAT OF RESUBDIVISION PARCEL D-1 IN LOUIS JOLIET MALL
 Recorded March 1, 1993
 as Document No. R93-016137

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
 SECTION 06-00130-00-CH WILL COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION NONE TO STATION
 SCALE: 1"=100'

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196

REVISION DATE _____ REVISION _____ MADE BY _____

PART OF THE W. 1/2 OF SEC. 25 AND PART OF THE E. 1/2 OF SEC. 26, TWP. 36 N., R. 9 E. OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	52
FED. ROAD DIST. NO. 7 ILLINOIS CONTRACT NO. 63185				

SECTION CORNER: 9/10, 16/15
 QUARTER SECTION CORNER: 16, 15
 SCALE: 1"=100'

--- SECTION LINE
 --- QUARTER SECTION LINE
 --- QUARTER SECTION LINE
 --- PLATTED LOT LINE
 --- PROPERTY (DEED) LINE
 --- APL
 --- APPARENT PROPERTY LINE
 --- CENTER LINE
 --- EXISTING RIGHT OF WAY LINE
 --- PROPOSED RIGHT OF WAY LINE
 --- PROPOSED EASEMENT
 --- MEASURED DIMENSION
 --- COMPUTED DIMENSION
 --- RECORD DATA
 [Hatched Box] EXISTING BUILDING

- Bearings and Coordinates are referenced to the Illinois State Plane H.A.R.N. Coordinate System, NAD83 (1999 Adjustment), East Zone, according to G.P.S. observations.
- IRON PIPE OR ROD FOUND ⊕ "MAG" NAIL SET
 - + CUT CROSS FOUND OR SET ● 5/8" REBAR SET
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 - T2
 - T3
 - BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 - BT2
 - BT3
 - STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
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 - RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
 COUNTY OF LAKE } SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON BETWEEN SECTION 25, TOWNSHIP 36N., RANGE 9E. AND SECTION 26, TOWNSHIP 36N., RANGE 9E., OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS _____ DAY OF _____ 20__ A.D.

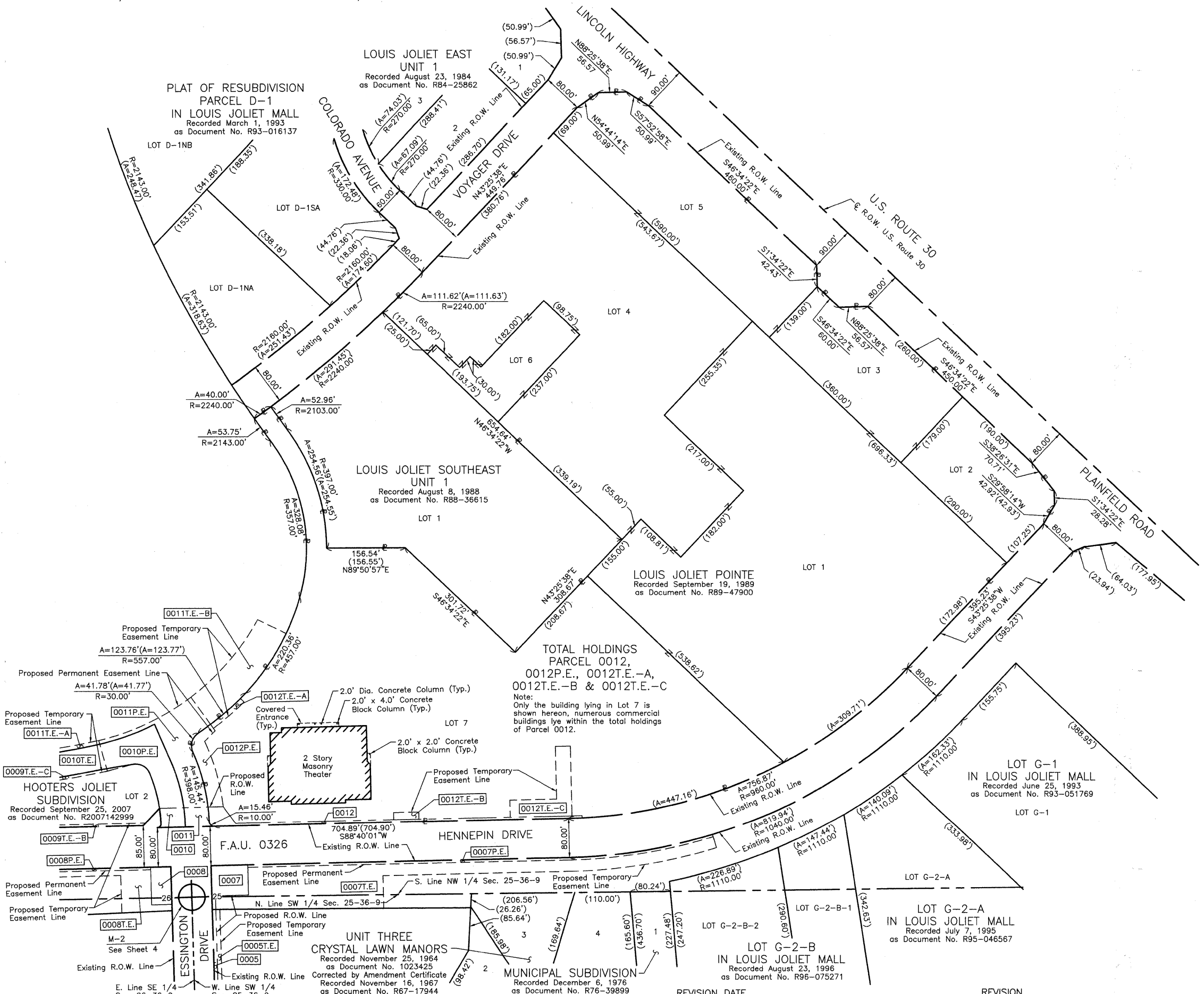
 PRESIDENT
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2008
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT
 ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

JORGENSEN & ASSOCIATES, INC.
 120 PARK AVENUE
 LAKE VILLA, ILLINOIS 60046
 (847) 356-3371

SHEET 1 IS A COVER
 SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 F.A.U. 0326 (ESSINGTON ROAD AT HENNEPIN DRIVE)
 SECTION 06-00130-00-CH WILL COUNTY
 PROJECT JOB NO. R-55-001-97
 STATION NONE TO STATION
 SCALE: 1"=100'

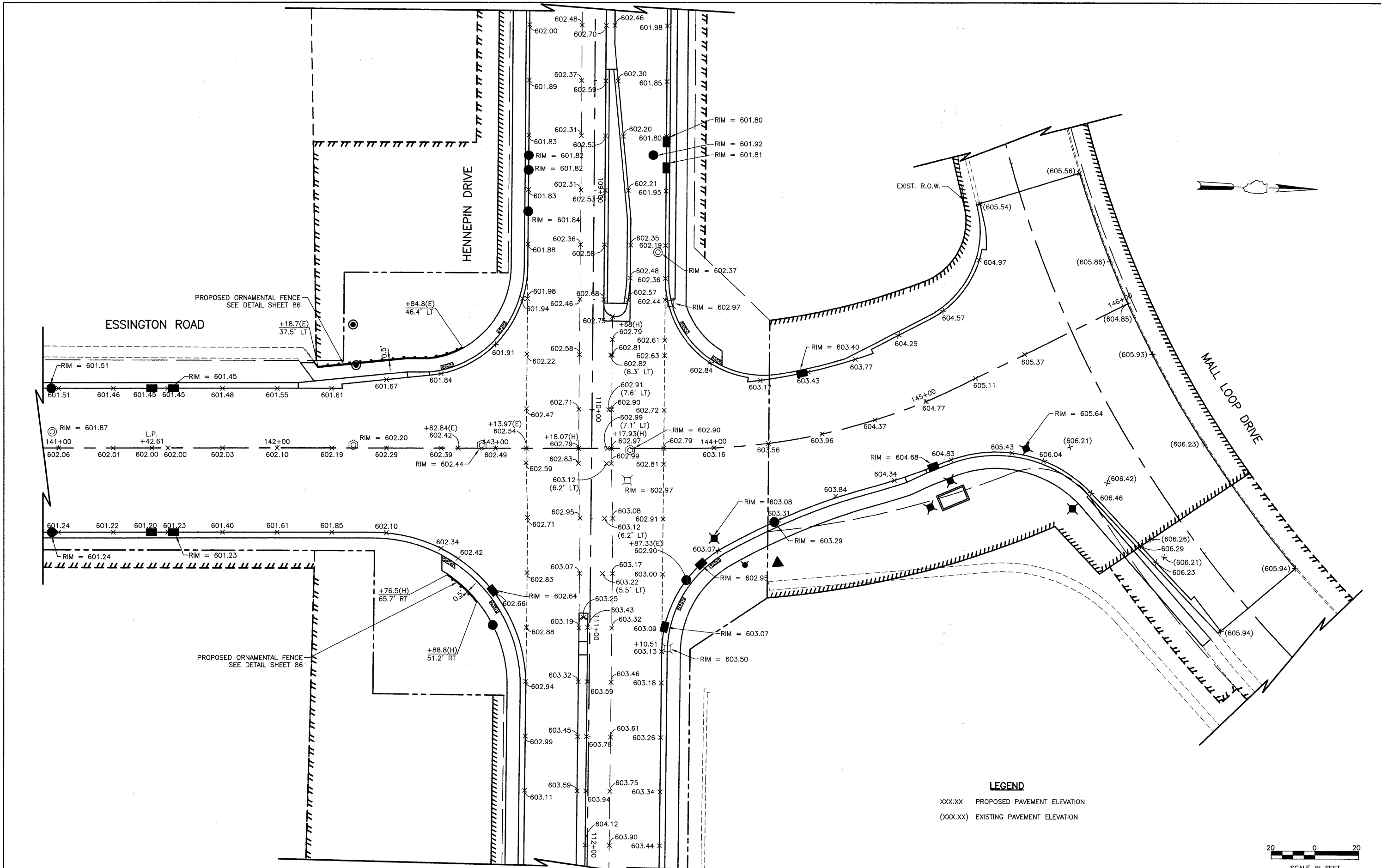
BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196



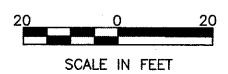
TOTAL HOLDINGS
 PARCEL 0012,
 0012P.E., 0012T.E.-A,
 0012T.E.-B & 0012T.E.-C
 Note:
 Only the building lying in Lot 7 is
 shown hereon, numerous commercial
 buildings lie within the total holdings
 of Parcel 0012.

DATE	
BY	
REVISIONS	
NO.	
PLAN	
NOTE BOOK	
NO.	
CHECKED	
FILE NAME	

DATE	
BY	
REVISIONS	
NO.	
PROFILE	
NOTE BOOK	
NO.	
CHECKED	
FILE NAME	



LEGEND
 xxx.xx PROPOSED PAVEMENT ELEVATION
 (xxx.xx) EXISTING PAVEMENT ELEVATION



FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION GRADING PLAN ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN BLG/KRK	REVISED --			0326	06-00130-00-CH	WILL	116	53	
		CHECKED DJK	REVISED --			CONTRACT NO. 63185					
		DATE 5-29-09	REVISED --			SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	STA. 141+50 TO STA. 146+02.41	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-8003(654)

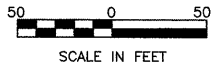
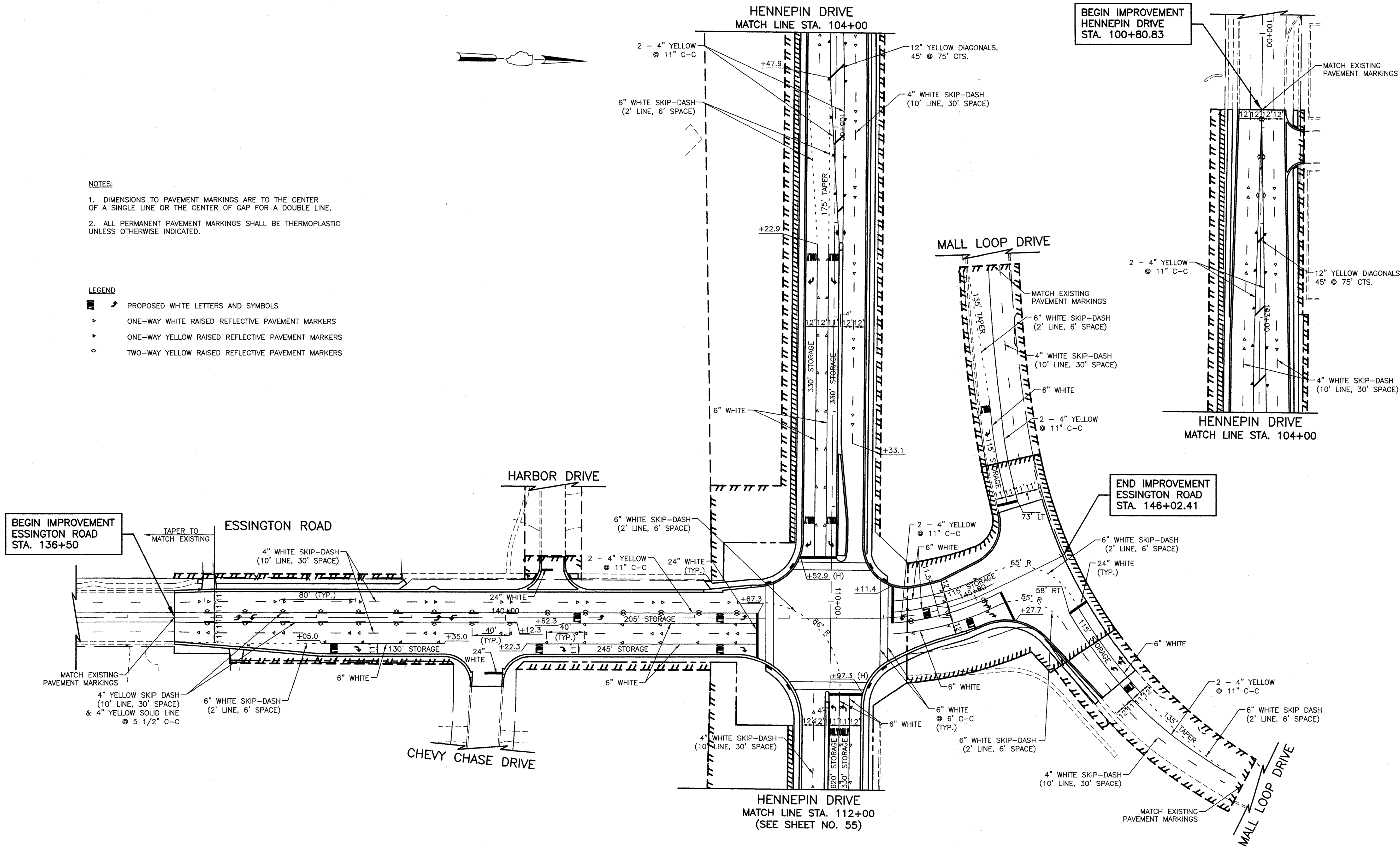


NOTES:

- 1. DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.
- 2. ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE INDICATED.

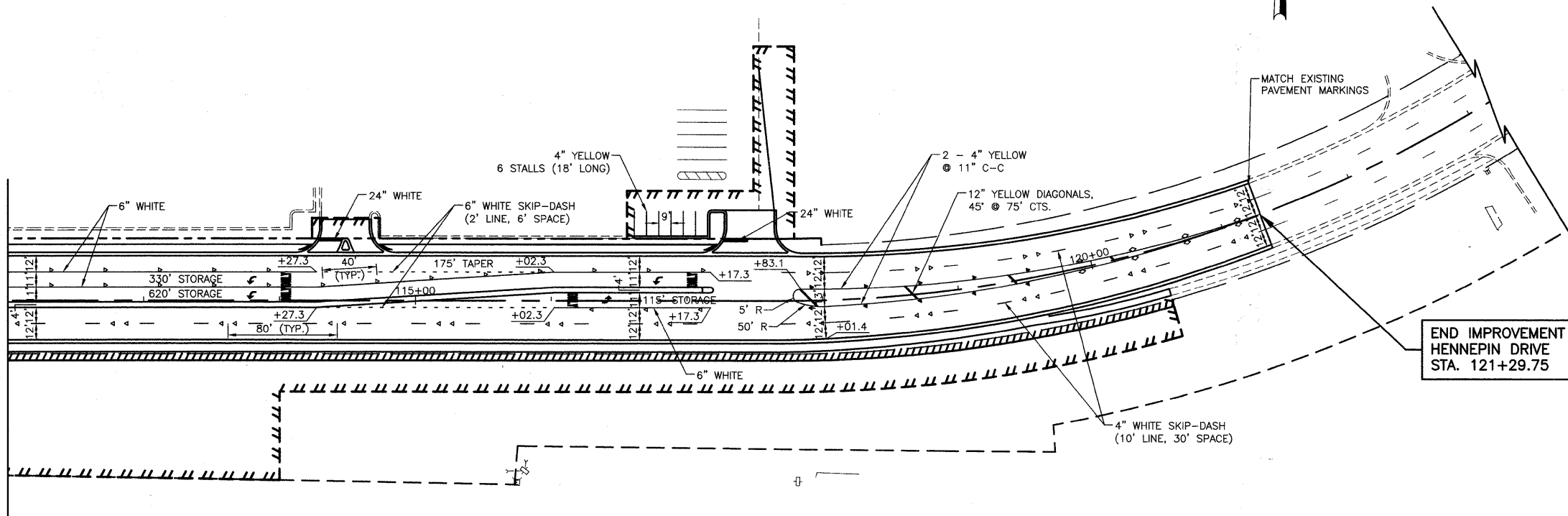
LEGEND

- PROPOSED WHITE LETTERS AND SYMBOLS
- ONE-WAY WHITE RAISED REFLECTIVE PAVEMENT MARKERS
- ONE-WAY YELLOW RAISED REFLECTIVE PAVEMENT MARKERS
- TWO-WAY YELLOW RAISED REFLECTIVE PAVEMENT MARKERS



FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRIPING PLAN ESSINGTON ROAD AT HENNEPIN DRIVE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN BLG/KRK	REVISED -		SCALE: 1"=50'	SHEET NO. 1 OF 2 SHEETS	0326	06-00130-00-CH	WILL	116	54
		CHECKED DJK	REVISED -				CONTRACT NO. 63185				
		DATE 5-29-09	REVISED -				FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)				

HENNEPIN DRIVE
MATCH LINE STA. 112+00
(SEE SHEET NO. 54)



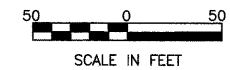
END IMPROVEMENT
HENNEPIN DRIVE
STA. 121+29.75

NOTES:

1. DIMENSIONS TO PAVEMENT MARKINGS ARE TO THE CENTER OF A SINGLE LINE OR THE CENTER OF GAP FOR A DOUBLE LINE.
2. ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE INDICATED.

LEGEND

- PROPOSED WHITE LETTERS AND SYMBOLS
- ONE-WAY WHITE RAISED REFLECTIVE PAVEMENT MARKERS
- ONE-WAY YELLOW RAISED REFLECTIVE PAVEMENT MARKERS
- TWO-WAY YELLOW RAISED REFLECTIVE PAVEMENT MARKERS



FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRIPING PLAN HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	55		
		PLOT SCALE =	CHECKED <i>DJK</i>			REVISED -	CONTRACT NO. 63185					
		PLOT DATE =	DATE <i>5-29-09</i>			REVISED -	FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					



HENNEPIN DRIVE
MATCH LINE STA. 104+00

BEGIN IMPROVEMENT
HENNEPIN DRIVE
STA. 100+80.83

NOTES:

- SEE SHEET NO. 3 FOR ADDITIONAL SIGNING REQUIREMENTS.
- SIGNS SHOWN TO BE REPLACED SHALL INCLUDE THE FOLLOWING:
 - REMOVAL OF THE EXISTING SIGN
 - NEW SIGN PANEL, OF THE TYPE REQUIRED - SIGN PANELS SHALL HAVE HIGH INTENSITY REFLECTIVE SHEETING
 - NEW TELESCOPING STEEL SIGN SUPPORT, UNLESS OTHERWISE NOTED.
 WHEN THE PROPOSED SIGN IS SHOWN TO BE INSTALLED ON AN EXISTING POST, THE EXISTING POST SHALL BE RELOCATED TO THE NEW LOCATION, AS DIRECTED BY THE ENGINEER. THE RELOCATION OF THE POST SHALL BE INCLUDED IN THE COST OF THE PROPOSED SIGN PANEL.

LEGEND

- EXISTING SIGN
- PROPOSED SIGN
- REMOVE SIGN PANEL ASSEMBLY, TYPE A

BEGIN IMPROVEMENT
ESSINGTON ROAD
STA. 136+50

ESSINGTON ROAD

HARBOR DRIVE

Harbor Drive

MALL LOOP DRIVE

HENNEPIN DRIVE
MATCH LINE STA. 104+00

END IMPROVEMENT
ESSINGTON ROAD
STA. 146+02.41

CHEVY CHASE DRIVE

HENNEPIN DRIVE
MATCH LINE STA. 112+00
(SEE SHEET NO. 57)

MALL LOOP DRIVE

TO MALL
TO MALL

SPECIAL
30" x 30"
REM

ONLY

R3-5R
30" x 36"
NEW
STA 137+96.88,
43.0' RT

WARNING
NEIGHBORHOOD
WATCH
PROTECTED
AREA

SPECIAL
24" x 30"
REPLACE AT
STA 139+60.03,
63.9' RT

STOP

R1-1
30" x 30"
REPLACE AT
STA 140+02.90,
58.2' RT

Essington
Chevy Chase

SPECIAL
12" x 6" (x2)
REPLACE AT
STA 140+09.81,
48.4' RT
ON EXIST. POST

TO MALL
TO MALL

SPECIAL
30" x 30"
REM

TO

M4-5
24" x 12"
REPLACE AT
STA 142+28.88,
43.0' RT

M1-4
24" x 24"
REPLACE AT
STA 140+23.00,
41.3' RT

M6-1
21" x 15"

NO
TURN
ON
RED

R10-11A
24" x 30"

2PM-8PM
SPECIAL
24" x 12"
REM

NOT A
THROUGH
STREET

R5-2
24" x 24"
REPLACE ON
PR. SIGNAL POST

SPECIAL
30" x 30"
REPLACE AT
STA 140+65.87,
49.4' LT
ON EXIST. POST

ONLY

R3-5L
30" x 36"
NEW
STA 106+39.50
7.0' LT
(FACING WEST)
(CORED IN MEDIAN
PAVEMENT)

SPEED
LIMIT
35

R2-1
24" x 30"
REPLACE AT
STA. 108+00,
36.0' RT

STOP

R1-1
30" x 30"
REM

CROSS TRAFFIC
DOES NOT STOP

W4-4P
24" x 12"
REM

R5-2
24" x 24"
REPLACE AT
STA 145+52.59,
55.7' LT

THRU
TRAFFIC
MERGE
LEFT

W4-1L
36" x 36"
NEW
STA 101+46.25
29.0' RT

W1-7
48" x 24"
REPLACE ON PROP.
SIGNAL POST

STOP

R1-1
30" x 30"
REM

Ring Rd
Entrance

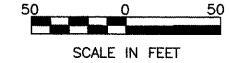
SPECIAL
12" x 6" (x2)
REPLACE AT
STA 145+45.72,
75.0' RT
ON EXISTING
POST

Essington
Hennepin

SPECIAL
12" x 6" (x2)
REM

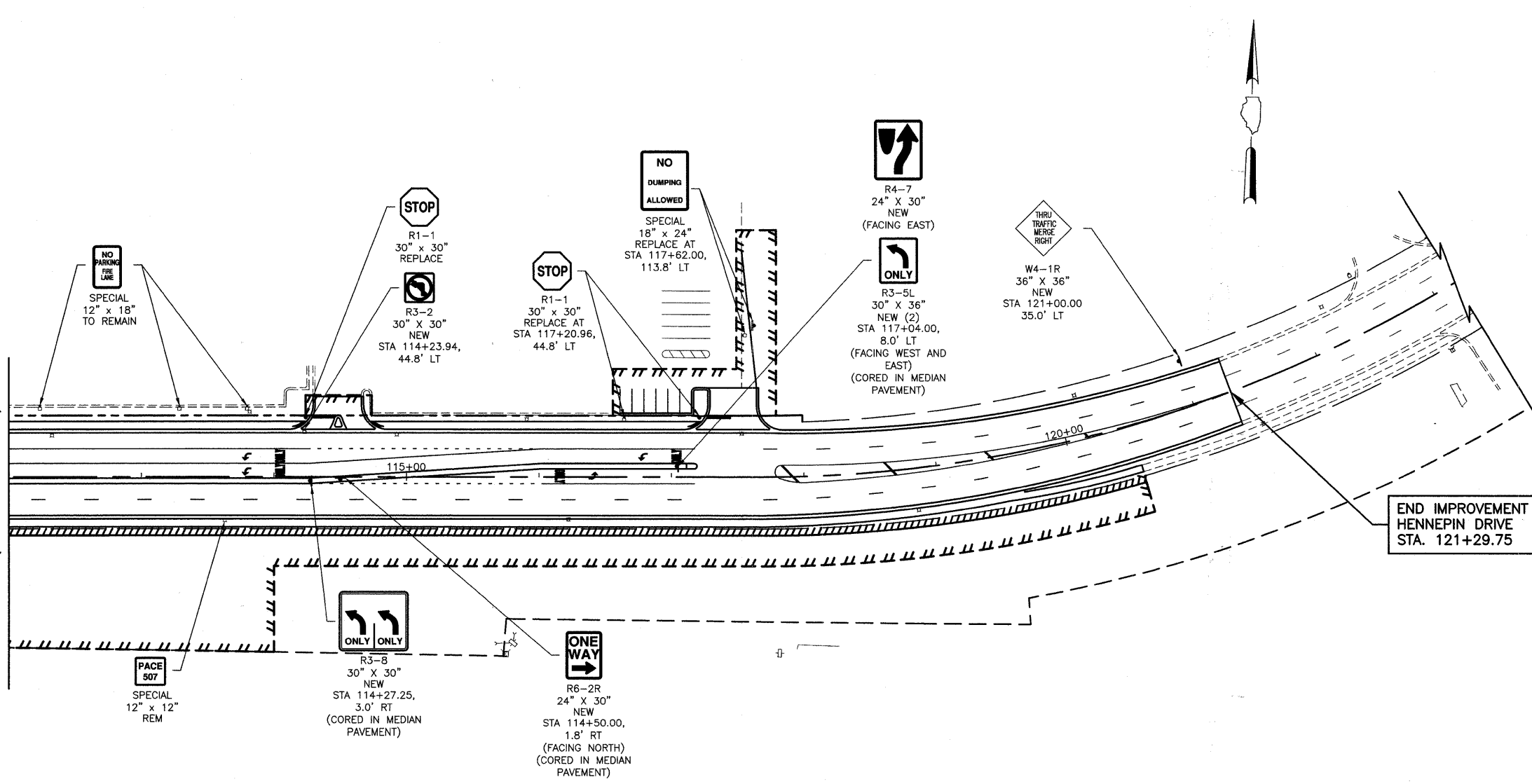
NO
PARKING
TWO
HOURS

SPECIAL
12" x 18"
TO REMAIN



FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNING PLAN ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	56	
PLOT SCALE =	CHECKED <i>DJK</i>		REVISED -			CONTRACT NO. 63185					
PLOT DATE =	DATE <i>5-29-09</i>		REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					
					SCALE: 1"=50'	SHEET NO. 1 OF 2 SHEETS					

HENNEPIN DRIVE
MATCH LINE STA. 112+00
(SEE SHEET NO. 56)



END IMPROVEMENT
HENNEPIN DRIVE
STA. 121+29.75

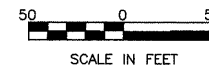
NOTES:

1. SEE SHEET NO. 3 FOR ADDITIONAL SIGNING REQUIREMENTS.

2. SIGNS SHOWN TO BE REPLACED SHALL INCLUDE THE FOLLOWING:
 - REMOVAL OF THE EXISTING SIGN
 - NEW SIGN PANEL, OF THE TYPE REQUIRED - SIGN PANELS SHALL HAVE HIGH INTENSITY REFLECTIVE SHEETING
 - NEW TELESCOPING STEEL SIGN SUPPORT, UNLESS OTHERWISE NOTED.
 WHEN THE PROPOSED SIGN IS SHOWN TO BE INSTALLED ON AN EXISTING POST, THE EXISTING POST SHALL BE RELOCATED TO THE NEW LOCATION, AS DIRECTED BY THE ENGINEER. THE RELOCATION OF THE POST SHALL BE INCLUDED IN THE COST OF THE PROPOSED SIGN PANEL.

LEGEND

- EXISTING SIGN
- ▲ PROPOSED SIGN
- REM REMOVE SIGN PANEL ASSEMBLY, TYPE A

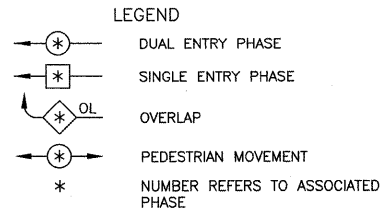
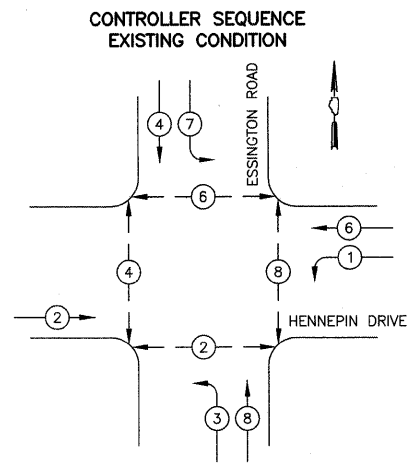


FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -
		DRAWN <i>BLG/KRK</i>	REVISED -
	PLOT SCALE =	CHECKED <i>DJK</i>	REVISED -
	PLOT DATE =	DATE <i>5-29-09</i>	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

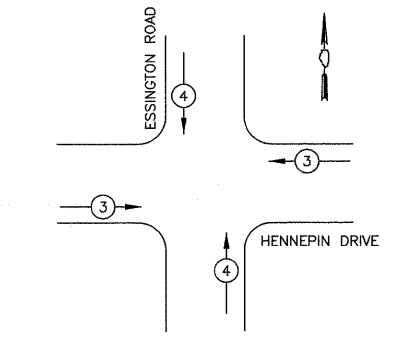
**SIGNING PLAN
HENNEPIN DRIVE**
SCALE: 1"=50' SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	57
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 63185	
FED. AID PROJECT M-8003(654)				

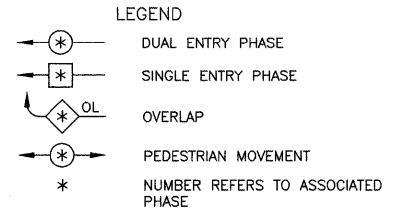
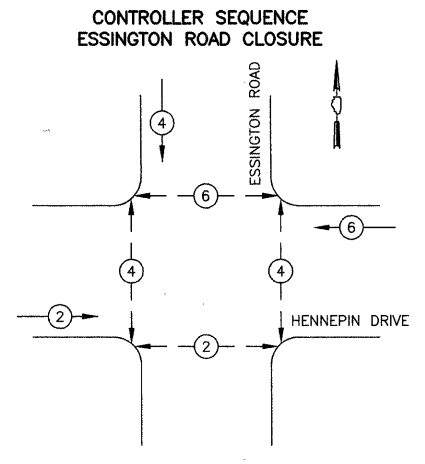


PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE EXISTING CONDITION

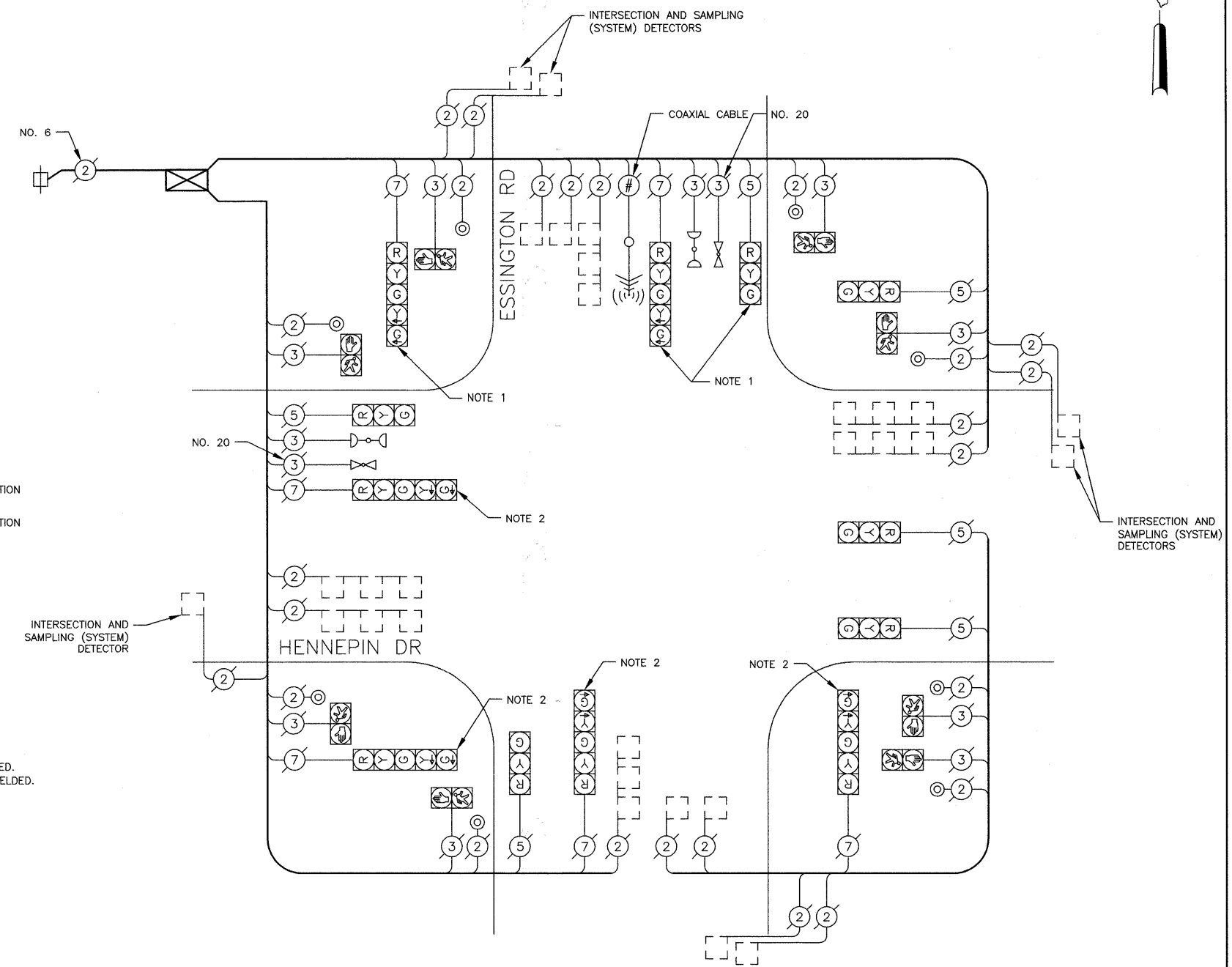


PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		



CABLE PLAN LEGEND

EXISTING	PROPOSED	
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE CONNECTION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
		GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
		SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD.
		RAILROAD CONTROL CABINET
		ILLUMINATED SIGN, "NO LEFT TURN"
		ILLUMINATED SIGN, "NO RIGHT TURN"
		GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
		GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		UNINTERRUPTIBLE POWER SUPPLY
		Street Name L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN
		RADIO ANTENNA



NOTES

- THESE SIGNAL HEADS SHALL BE BAGGED AND DISCONNECTED DURING ESSINGTON ROAD CLOSURE PRIOR TO MOT STAGE 1.
 - THE LEFT TURN ARROW SECTIONS OF THESE SIGNAL HEADS SHALL BE BAGGED AND THE ASSOCIATED PHASES DISCONNECTED DURING ESSINGTON ROAD CLOSURE PRIOR TO MOT STAGE 1.
- NOTE: THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS INTERSECTION SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	12		17	0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	12		12	0.10	15
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
TOTAL =					537

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
CONTACT: DOLORES KREMNITZER
PHONE: (815) 724-5241
COMPANY: COM ED

ENERGY SUPPLY:

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION
- ⊙ TEMPORARY WOOD POLE (CLASS 4 OR BETTER) 55 FOOT (16.8m) MIN.
- ⊠ TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- PEDESTRIAN PUSHBUTTON DETECTOR
- ▲ EMERGENCY VEHICLE LIGHT DETECTOR
- ▲ CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- CT COMMON TRENCH
- UD UNIT DUCT
- G.S. CONDUIT IN TRENCH OR PUSHED
- HANDHOLE
- ⊠ HEAVY DUTY HANDHOLE
- ⊙^R RELOCATED RADIO ANTENNA
- VIDEO VEHICLE DETECTOR

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- ← EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- △ EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- ⊠ EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- ⊠ EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSHBUTTON TO BE REMOVED
- ▲ EMERGENCY VEHICLE SYSTEM DETECTOR TO BE REMOVED
- ▲ CONFIRMATION BEACON TO BE REMOVED
- ⊠ EXISTING HEAVY DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE TO BE REMOVED

TEMPORARY TRAFFIC SIGNAL NOTES

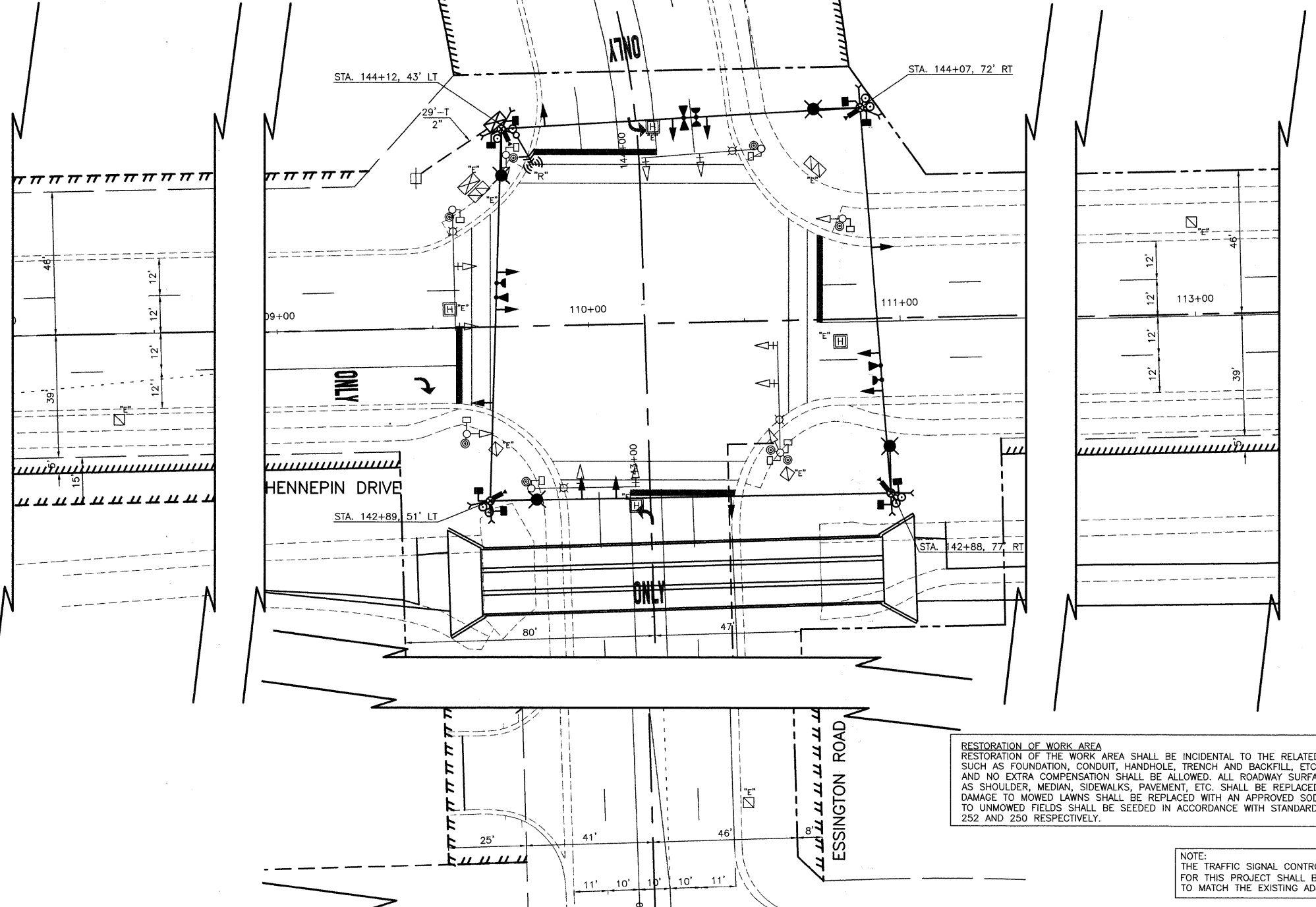
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSORS BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12". HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. ALL STATIONS AND OFFSETS ARE DIMENSIONED FROM THE CENTERLINE OF ESSINGTON ROAD.
8. THE 2" DIAMETER GALVANIZED STEEL CONDUIT FROM THE TEMPORARY CABINET TO THE TEMPORARY SERVICE INSTALLATION SHALL BE INCIDENTAL TO "TEMPORARY TRAFFIC SIGNAL INSTALLATION."
9. TEMPORARY LUMINAIRES SHALL BE INCLUDED ON THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE LUMINAIRES SHALL BE SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT. THE LUMINAIRES SHALL BE MOUNTED AT A HEIGHT OF 45 FEET ON A 15 FOOT TEMPORARY MAST ARM. THIS WORK SHALL BE INCIDENTAL TO THE PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION."
10. THE TEMPORARY WOOD POLES SHALL BE A MINIMUM OF 55 FEET IN HEIGHT, CLASS 4 OR BETTER.
11. THE EXISTING RADIO ANTENNA AND RADIO TRANSCEIVER SHALL BE RELOCATED FROM THE EXISTING SIGNAL INSTALLATION TO THE TEMPORARY SIGNAL. THIS WORK SHALL BE PAID FOR AS "RELOCATE EXISTING RADIO INTERCONNECT SYSTEM."

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE CITY OF JULIET. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE CITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER AND CABINET COMPLETE
- 2 EACH LIGHT DETECTOR
- 1 EACH LIGHT DETECTOR AMPLIFIER

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

- 6 EACH 1-FACE 3-SECTION SIGNAL HEAD
- 6 EACH 1-FACE 5-SECTION SIGNAL HEAD
- 6 EACH 1-FACE PEDESTRIAN SIGNAL HEAD
- 1 EACH 2-FACE PEDESTRIAN SIGNAL HEAD
- 8 EACH PEDESTRIAN PUSH-BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- 4 EACH LUMINAIRE
- 4 EACH TRAFFIC SIGNAL POST

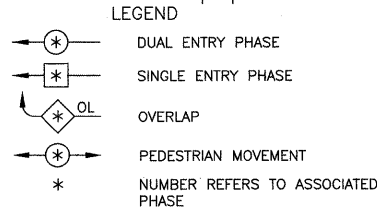
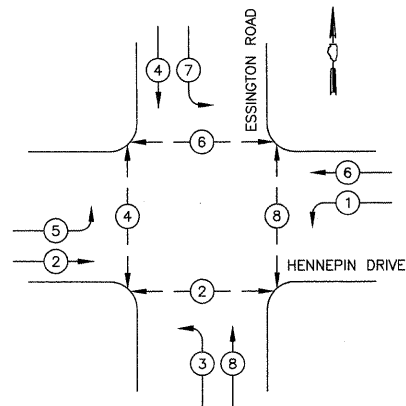


RESTORATION OF WORK AREA
 RESTORATION OF THE WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN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

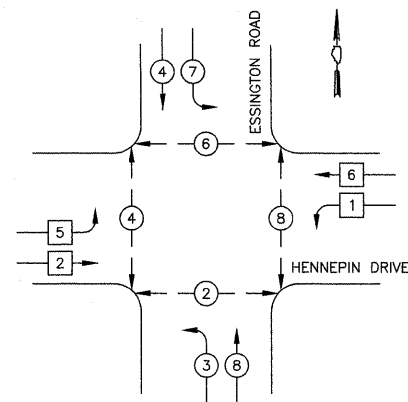
NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME =	DESIGNED JSH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL & REMOVAL PLAN ESSINGTON ROAD & HENNEPIN DRIVE	F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 59	
	PLOT SCALE = 1"=20'	CHECKED JJE	REVISED -			SCALE: 1"=20'	SHEET NO. 1 OF 1 SHEETS	CONTRACT NO. 63185		FED. ROAD DIST. NO. 7 ILLINOIS	
	PLOT DATE = 3-13-2009	DATE 5-29-09	REVISED -					FED. AID PROJECT M-8003(654)			

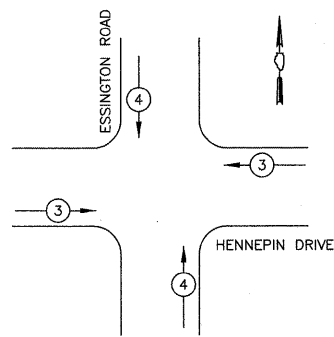
**TEMPORARY CONTROLLER SEQUENCE
MOT STAGE 1**



**PHASE DESIGNATION DIAGRAM
TEMPORARY CONTROLLER SEQUENCE
MOT STAGE 2 THROUGH FINAL CONDITIONS**



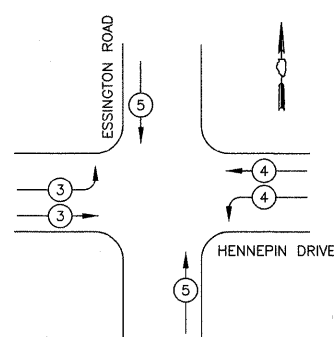
**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
MOT STAGE 1**



PROPOSED EMERGENCY VEHICLE PREEMPTORS

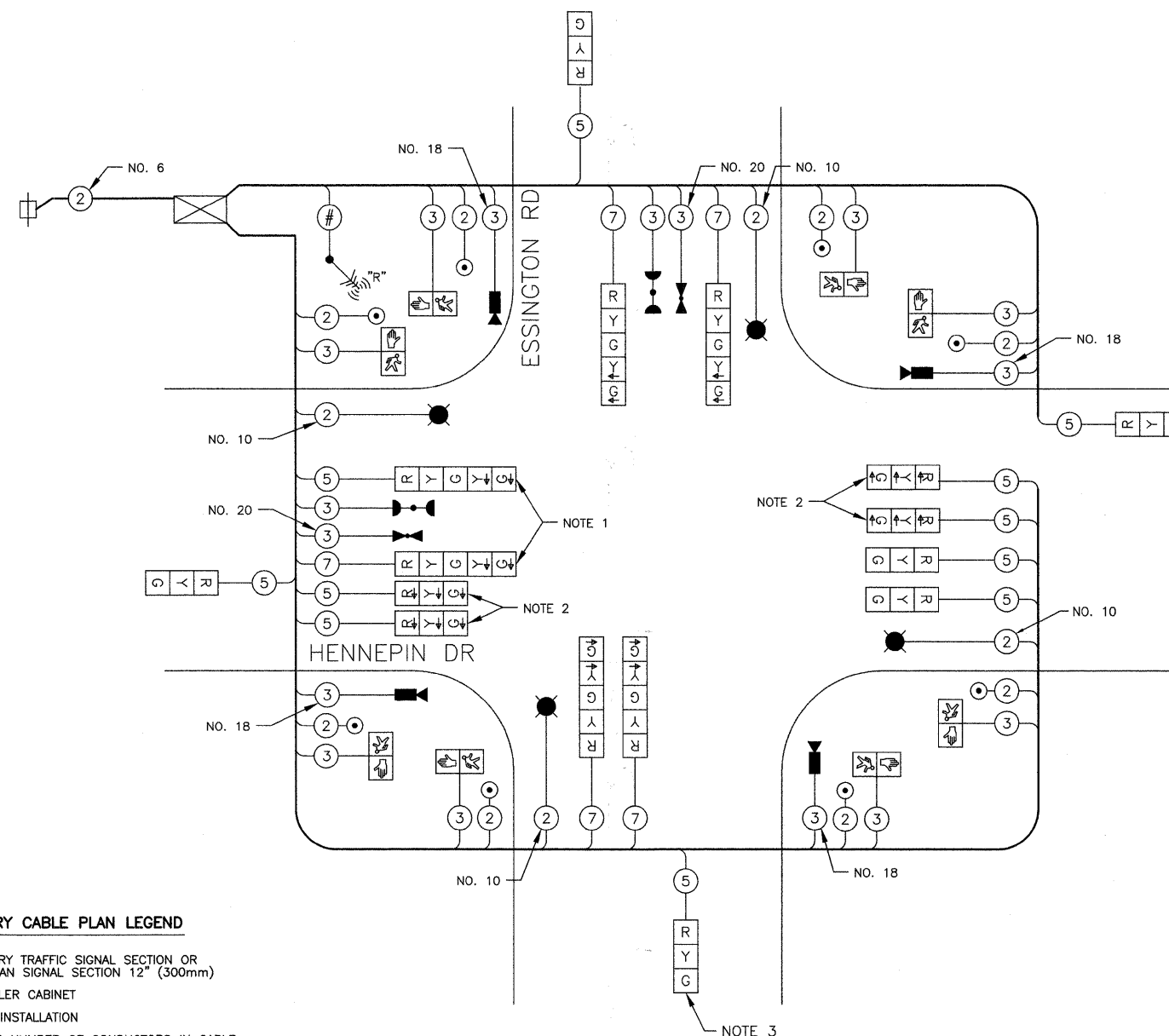
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↑	→

**TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
MOT STAGE 2 THROUGH FINAL CONDITIONS**



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	↑	→	↑



TEMPORARY CABLE PLAN LEGEND

- ⊠ TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- ⊠ CONTROLLER CABINET
- ⊠ SERVICE INSTALLATION
- ⊠ INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED
- ⊠ CONFIRMATION BEACON
- ⊠ EMERGENCY VEHICLE LIGHT DETECTOR
- ⊠ VEHICLE DETECTOR, INDUCTION LOOP
- ⊠ PEDESTRIAN PUSHBUTTON DETECTOR
- ⊠ 12" (300mm) PEDESTRIAN SIGNAL SECTION
- ⊠ RELOCATED ANTENNA
- ⊠ VIDEO VEHICLE DETECTOR
- ⊠ LUMINAIRE

**CABLE PLAN
NOT TO SCALE**

- NOTES**
- THE LEFT TURN ARROW SECTIONS OF THIS SIGNAL HEAD SHALL BE BAGGED AND THE ASSOCIATED PHASES DISCONNECTED UPON THE START OF MOT STAGE 2.
 - THESE SIGNAL HEADS SHALL NOT BE OPERATIONAL PRIOR TO THE START OF MOT STAGE 2.

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

**I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	12		12	0.10	15
PED. SIGNAL	8		25	1.00	200
CONTROLLER	1		100	1.00	100
VIDEO SYSTEMS	1		150	1.00	150
TOTAL =					761

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
CONTACT: DOLORES KREMNIETZ
PHONE: (815) 724-5241
COMPANY: COM ED

FILE NAME =	USER NAME =	DESIGNED JSH	REVISED --
		DRAWN CEC	REVISED --
	PLOT SCALE = N.T.S.	CHECKED JJE	REVISED --
	PLOT DATE = 3-13-2009	DATE 5-29-09	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN
ESSINGTON ROAD & HENNEPIN DRIVE**

SCALE: NOT TO SCALE SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	60
CONTRACT NO. 63185				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT M-8003(654)	

TRAFFIC SIGNAL LEGEND

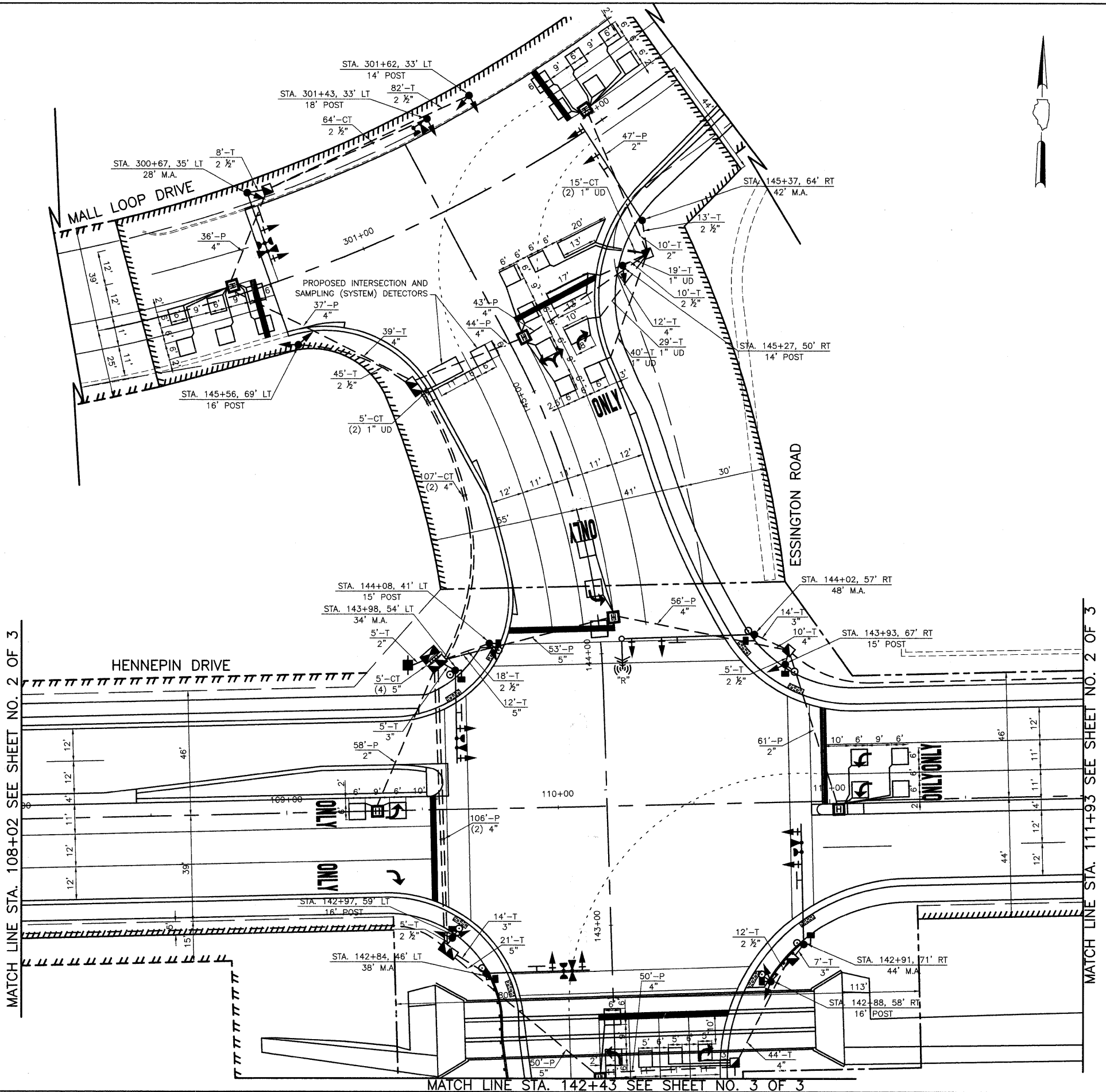
	EXISTING	PROPOSED
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
COMMON TRENCH		
UNIT DUCT		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROLLER		
TELEPHONE CONNECTION		
ILLUMINATED SIGN, "NO LEFT TURN"		
ILLUMINATED SIGN, "NO RIGHT TURN"		
UNINTERRUPTIBLE POWER SUPPLY		
L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN		
RELOCATED RADIO ANTENNA		

TRAFFIC SIGNAL NOTES

- ALL STATIONS AND OFFSETS ARE DIMENSIONED FROM THE CENTERLINE OF ESSINGTON ROAD, UNLESS OTHERWISE NOTED.
- THE EQUIPMENT ON THE NORTH SIDE OF MALL LOOP DRIVE IS DIMENSIONED FROM THE CENTERLINE OF MALL LOOP DRIVE.
- THE RADIO ANTENNA AND RADIO TRANSCIVER SHALL BE RELOCATED FROM THE TEMPORARY TRAFFIC SIGNAL INSTALLATION TO THE PROPOSED SIGNAL. THIS WORK SHALL BE PAID FOR AS "RELOCATE EXISTING RADIO INTERCONNECT SYSTEM."
- THE CONCRETE FOUNDATIONS FOR THE COMBINATION MAST ARM ASSEMBLY AND POLES AT THE INTERSECTION OF ESSINGTON ROAD AND HENNEPIN DRIVE SHALL INCLUDE AN ADDITIONAL 2 1/2" RACEWAY FOR FUTURE LIGHTING IMPROVEMENTS.
- THE COMBINATION MAST ARM ASSEMBLY AND POLES AT THE INTERSECTION OF ESSINGTON ROAD AND HENNEPIN DRIVE SHALL HAVE A HEIGHT OF 45 FEET WITH A 12 FOOT LUMINAIRE ARM.

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

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



MATCH LINE STA. 108+02 SEE SHEET NO. 2 OF 3

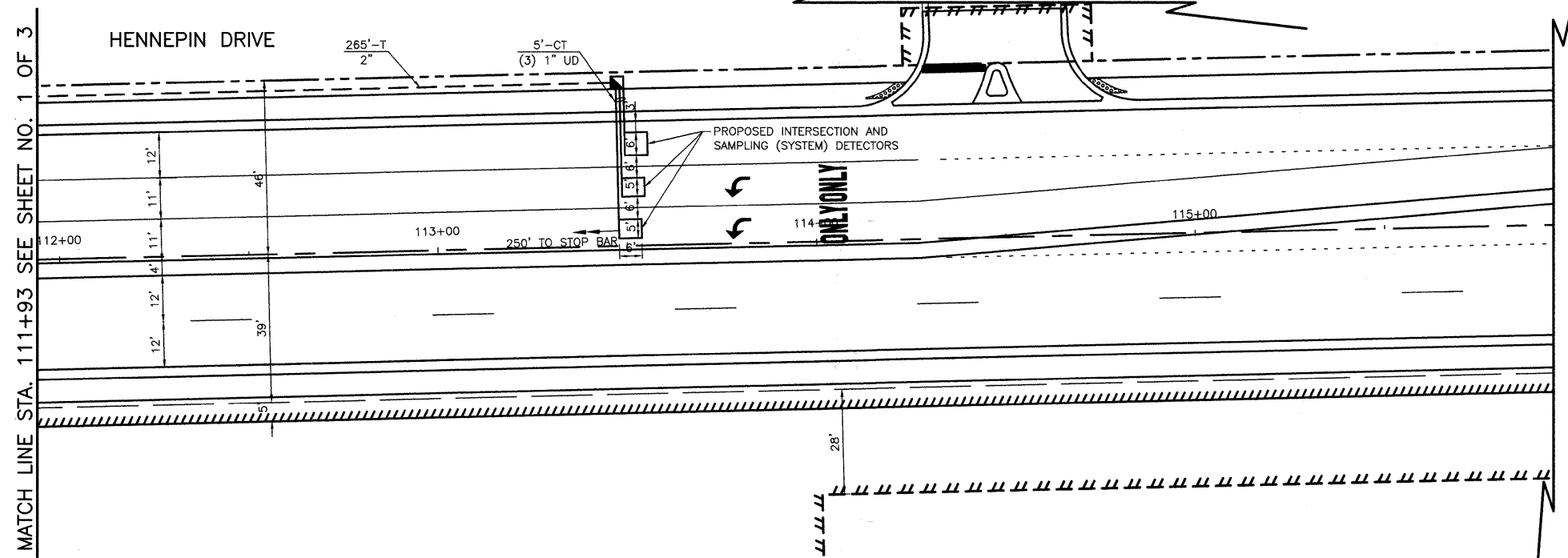
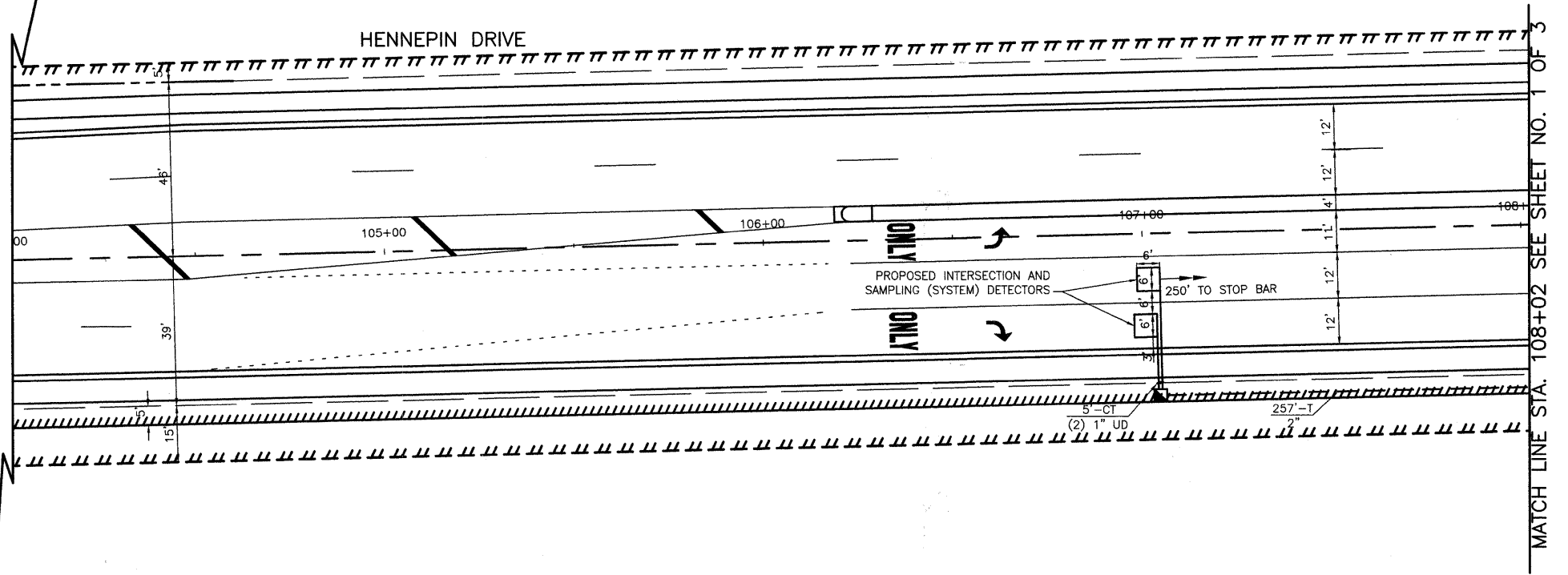
MATCH LINE STA. 111+93 SEE SHEET NO. 2 OF 3

MATCH LINE STA. 142+43 SEE SHEET NO. 3 OF 3

FILE NAME =	USER NAME =	DESIGNED JSH	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN ESSINGTON ROAD & HENNEPIN DRIVE - ESSINGTON ROAD & MALL LOOP DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 1"=20'	DRAWN CEC	REVISED --			0326	06-00130-00-CH	WILL	116	61	
	PLOT DATE = 3-13-2009	CHECKED JJE	REVISED --			CONTRACT NO. 63185					
		DATE 5-29-09	REVISED --			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					

TRAFFIC SIGNAL LEGEND

	EXISTING	PROPOSED
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
COMMON TRENCH		
UNIT DUCT		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROLLER		
TELEPHONE CONNECTION		
ILLUMINATED SIGN, "NO LEFT TURN"		
ILLUMINATED SIGN, "NO RIGHT TURN"		
UNINTERRUPTIBLE POWER SUPPLY		
L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN		
RELOCATED RADIO ANTENNA		



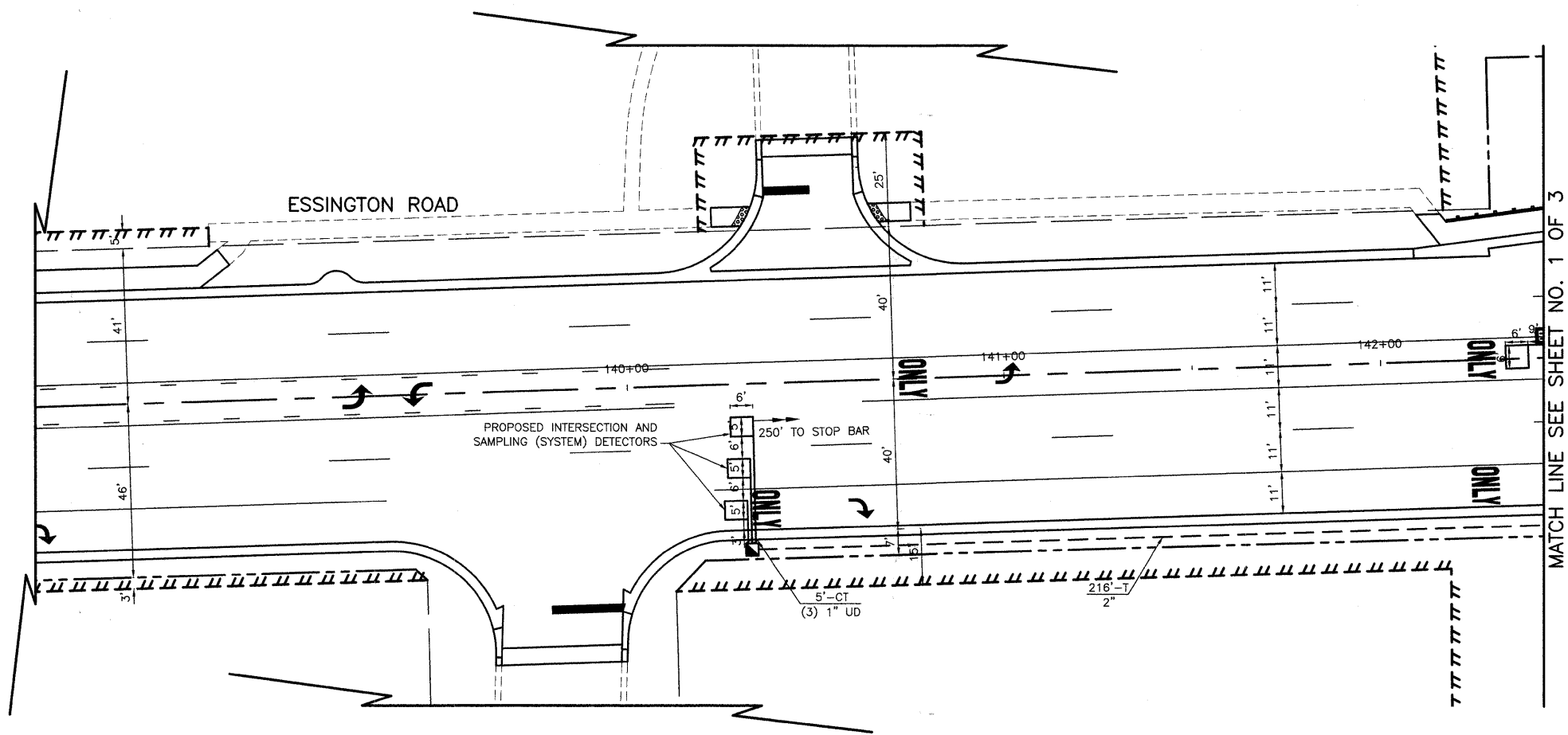
RESTORATION OF WORK AREA
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NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME =	DESIGNED JSH	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN CEC	REVISED --		ESSINGTON ROAD & HENNEPIN DRIVE - ESSINGTON ROAD & MALL LOOP DRIVE		0326	06-00130-00-CH	WILL	116	62
		CHECKED JJE	REVISED --		SCALE: 1"=20'		SHEET NO. 2 OF 3 SHEETS		CONTRACT NO. 63185		
		DATE 5-29-09	REVISED --		FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT M-8003(654)				

TRAFFIC SIGNAL LEGEND

	EXISTING	PROPOSED
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
COMMON TRENCH		
UNIT DUCT		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROLLER		
TELEPHONE CONNECTION		
ILLUMINATED SIGN, "NO LEFT TURN"		
ILLUMINATED SIGN, "NO RIGHT TURN"		
UNINTERRUPTIBLE POWER SUPPLY		
L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN		
RELOCATED RADIO ANTENNA		



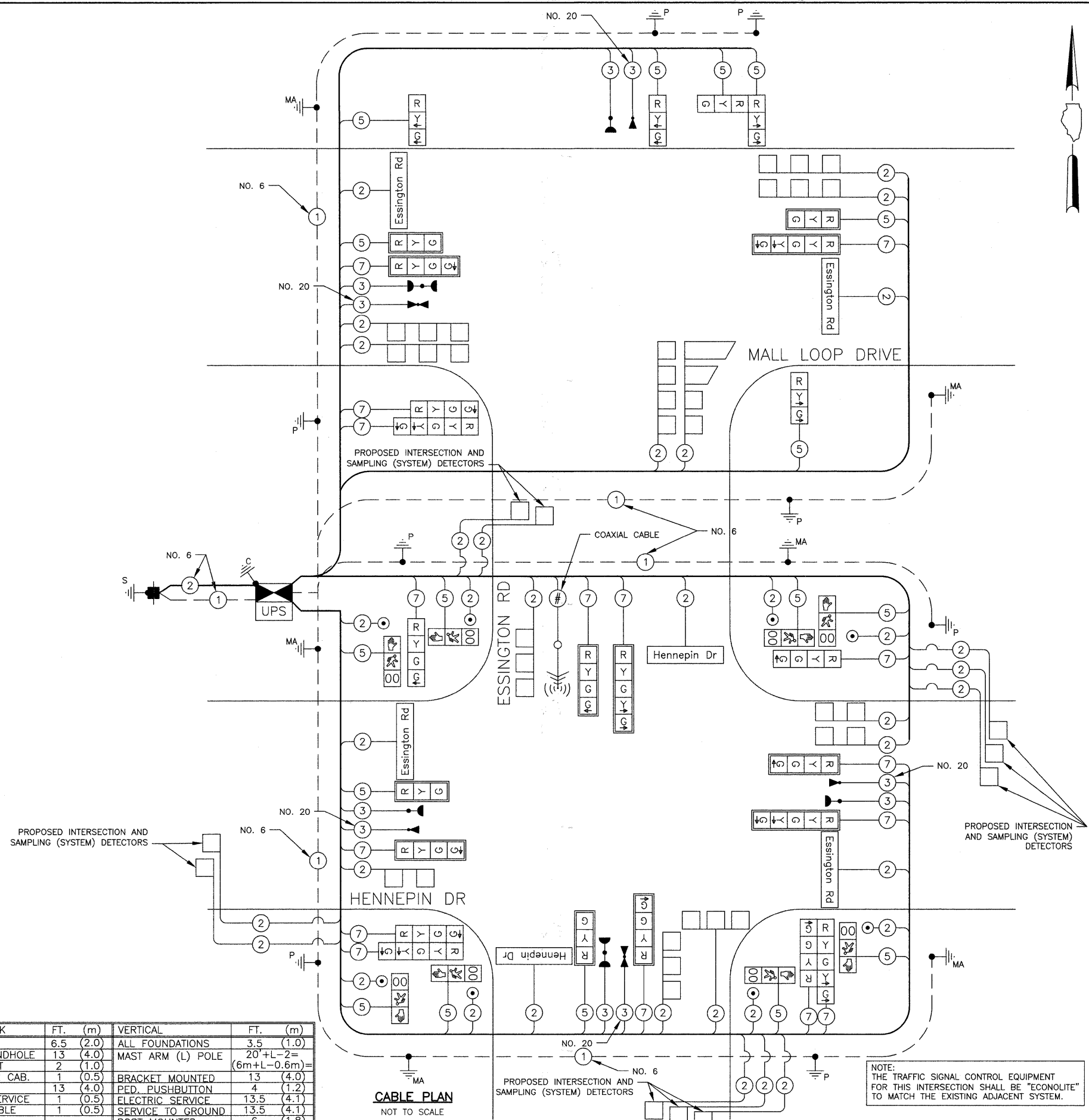
RESTORATION OF WORK AREA
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NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME =	DESIGNED JSH	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL INSTALLATION PLAN ESSINGTON ROAD & HENNEPIN DRIVE - ESSINGTON ROAD & MALL LOOP DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN CEC	REVISED --			0326	06-00130-00-CH	WILL	116	63	
		CHECKED JJE	REVISED --			CONTRACT NO. 63185					
		DATE 5-29-09	REVISED --			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					
				SCALE: 1"=20'		SHEET NO. 3 OF 3 SHEETS					

CABLE PLAN LEGEND

EXISTING	PROPOSED	
		8" (200mm) TRAFFIC SIGNAL SECTION
		12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION WITH COUNTDOWN TIMER
		CONTROLLER CABINET
		SERVICE INSTALLATION
		TELEPHONE CONNECTION
		VEHICLE DETECTOR, INDUCTION LOOP
		MAGNETIC DETECTOR
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
		FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
		SIGNAL FACE WITH BACKPLATE "P" INDICATES PROGRAMMED HEAD.
		RAILROAD CONTROL CABINET
		ILLUMINATED SIGN, "NO LEFT TURN"
		ILLUMINATED SIGN, "NO RIGHT TURN"
		GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
		GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
		GROUND ROD AT ELECTRIC SERVICE INSTALLATION
		UNINTERRUPTIBLE POWER SUPPLY
		Street Name L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN
		RELOCATED RADIO ANTENNA



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	25	17	0.50	213	
(YELLOW)	25	25	0.25	157	
(GREEN)	35	15	0.25	132	
ARROW	12	12	0.10	15	
PED. SIGNAL	8	25	1.00	200	
CONTROLLER	1	100	1.00	100	
ILLUM. SIGN	6	60	0.50	180	
TOTAL =					997

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
CONTACT: DOLORES KREMNITZER
PHONE: (815) 724-5241
COMPANY: COM ED

ENERGY SUPPLY:

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2= (6m+L-0.6m)=
E - M. ARM POLE	1 (0.5)	SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QNTY.
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	753
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	262
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	40
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	319
CONDUIT IN TRENCH, 5" DIA., GALVANIZED STEEL	FOOT	53
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	166
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	478
CONDUIT PUSHED, 5" DIA., GALVANIZED STEEL	FOOT	103
HANDHOLE	EACH	8
HEAVY-DUTY HANDHOLE	EACH	7
DOUBLE HANDHOLE	EACH	3
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1208
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2982
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1377
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4082
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3999
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	24
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1355
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	1344
ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	254
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	6129
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	36
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	75
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	3
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, L.E.D., 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	3
SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12
INDUCTIVE LOOP DETECTOR	EACH	22
DETECTOR LOOP, TYPE I	FOOT	1715
LIGHT DETECTOR	EACH	5
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	8
REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
RELOCATE EXISTING RADIO INTERCONNECT SYSTEM	EACH	2
SERVICE INSTALLATION, GROUND MOUNTED	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	6
TEMPORARY TRAFFIC SIGNAL TIMINGS	EACH	1

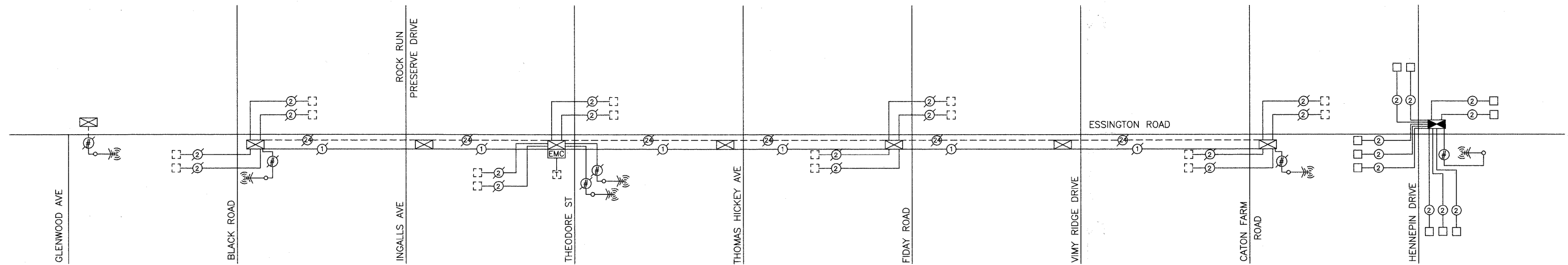
SEQUENCE OF OPERATION

MOVEMENT	MALL LOOP DRIVE		MALL LOOP DRIVE		MALL LOOP DRIVE		MALL LOOP DRIVE		MALL LOOP DRIVE	
	1	2	3	4	5	6	7	8	9	10
PHASE	1 + 6		1 + 5		1 + 7		2 + 8		3 + 8	
INTERVAL	1	2	3	3A	4	4A	5	5A	6	7
CHANGE TO			1 + 5	1 + 7	2 + 8	3 + 8			1 + 6	1 + 7
ESSINGTON ROAD AT HENNEPIN DRIVE NEAR RIGHT AND RIGHT MAST ARM SIGNALS	NB	G	G	Y	R	Y	R	Y	R	R
ESSINGTON ROAD AT HENNEPIN DRIVE FAR LEFT AND END MAST ARM SIGNALS	NB	G	G	Y	R	Y	R	Y	R	R
ESSINGTON ROAD AT HENNEPIN DRIVE RIGHT MAST ARM SIGNAL	SB	R	R	R	R	R	R	R	R	R
ESSINGTON ROAD AT HENNEPIN DRIVE FAR LEFT AND END MAST ARM SIGNALS	SB	R	R	R	R	R	R	R	R	R
HENNEPIN DRIVE NEAR RIGHT AND RIGHT MAST ARM SIGNALS	EB	R	R	R	R	R	R	R	R	R
HENNEPIN DRIVE FAR LEFT AND END MAST ARM SIGNALS	EB	R	R	R	R	R	R	R	R	R
HENNEPIN DRIVE RIGHT MAST ARM SIGNAL	WB	R	R	R	R	R	R	R	R	R
HENNEPIN DRIVE FAR LEFT AND END MAST ARM SIGNALS	WB	R	R	R	R	R	R	R	R	R
ESSINGTON ROAD AT MALL LOOP DRIVE NEAR RIGHT AND RIGHT POST SIGNALS	NB	G	G	G	G	G	Y	R	Y	R
ESSINGTON ROAD AT MALL LOOP DRIVE FAR LEFT AND LEFT POST SIGNALS	NB	G	G	G	G	G	Y	R	Y	R
MALL LOOP DRIVE NEAR RIGHT AND RIGHT MAST ARM SIGNALS	EB	R	R	R	R	R	R	R	R	R
MALL LOOP DRIVE FAR LEFT AND END MAST ARM SIGNALS	EB	R	R	R	R	R	R	R	R	R
MALL LOOP DRIVE RIGHT MAST ARM SIGNAL	WB	R	R	R	R	R	R	R	R	R
MALL LOOP DRIVE FAR LEFT AND END MAST ARM SIGNALS	WB	R	R	R	R	R	R	R	R	R
PEDESTRIAN SIGNALS CROSSING HENNEPIN DRIVE ON EAST SIDE OF ESSINGTON ROAD		*P	**FH	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING HENNEPIN DRIVE ON WEST SIDE OF ESSINGTON ROAD		H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING ESSINGTON ROAD ON SOUTH SIDE OF HENNEPIN DRIVE		H	H	H	H	H	H	H	H	H
PEDESTRIAN SIGNALS CROSSING ESSINGTON ROAD ON NORTH SIDE OF HENNEPIN DRIVE		H	H	H	H	H	H	H	H	H

* TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
 ** FLASHING "H" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN CLEARANCE INTERVAL
 P = ILLUMINATED PERSON = "WALK"
 FH = ILLUMINATED FLASHING HAND = FLASHING "DON'T WALK"
 H = ILLUMINATED SOLID HAND = "DON'T WALK"

INTERCONNECT SCHEMATIC LEGEND

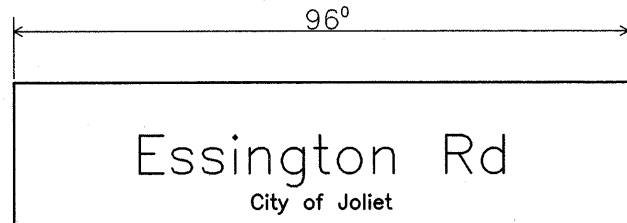
EXISTING INTERSECTION CONTROLLER		EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	
PROPOSED INTERSECTION CONTROLLER		PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	
EXISTING MASTER CONTROLLER		EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	
PROPOSED MASTER CONTROLLER		PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	
MASTER MASTER CONTROLLER		EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS		PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		EXISTING LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED	
EXISTING SAMPLING (SYSTEM) DETECTORS		PROPOSED LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED	
PROPOSED SAMPLING (SYSTEM) DETECTORS		EXISTING ELECTRIC CABLE 1/C (AS SPECIFIED)	
EXISTING SAMPLING (SYSTEM) DETECTORS PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS		PROPOSED ELECTRIC CABLE 1/C (AS SPECIFIED)	
EXISTING SAMPLING (SYSTEM) DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS		EXISTING COAXIAL CABLE IN CONDUIT	
EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		PROPOSED COAXIAL CABLE IN CONDUIT	
PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		EXISTING TELEPHONE CONNECTION	
EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS		PROPOSED TELEPHONE CONNECTION	
PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS		RADIO ANTENNA	



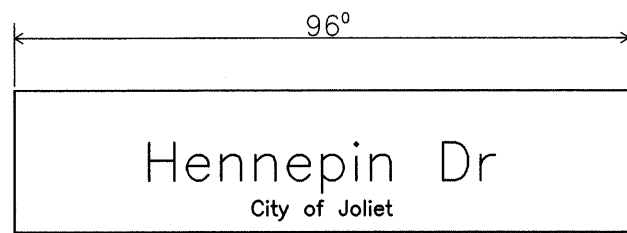
NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

FILE NAME =	USER NAME =	DESIGNED JSH	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERCONNECT SCHEMATIC ESSINGTON ROAD & HENNEPIN DRIVE - ESSINGTON ROAD & MALL LOOP DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = N.T.S.	DRAWN CEC	REVISED --			0326	06-00130-00-CH	WILL	116	67
	PLOT DATE = 3-13-2009	CHECKED JJE	REVISED --			CONTRACT NO. 63185				
	DATE 5-29-09	REVISED --		SCALE: NOT TO SCALE	SHEET NO. 1 OF 1 SHEETS	FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT M-8003(654)		

PANEL SIGN DESIGN TYPE 1



4 Required (Double Sided)
Design Series D



2 Required (Double Sided)
Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS.

Note: L.E.D. Illuminated Street Name Signs Available Only In 2-Foot Increments

UPPER TO LOWER CASE
SPACING CHART 8-6 INCH SERIES "C & D" EXAMPLE, 2 ③—DENOTES 3/8"

SERIES	SECOND LETTER															
	a c d e		b h i k		f w		j		s t		v y		x		z	
	g	o	q	l	m	n	p	r								
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

LETTER WIDTHS
UPPER AND LOWER CASE

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

LOWER CASE TO LOWER CASE

SPACING CHART 6 INCH SERIES "C" & "D"

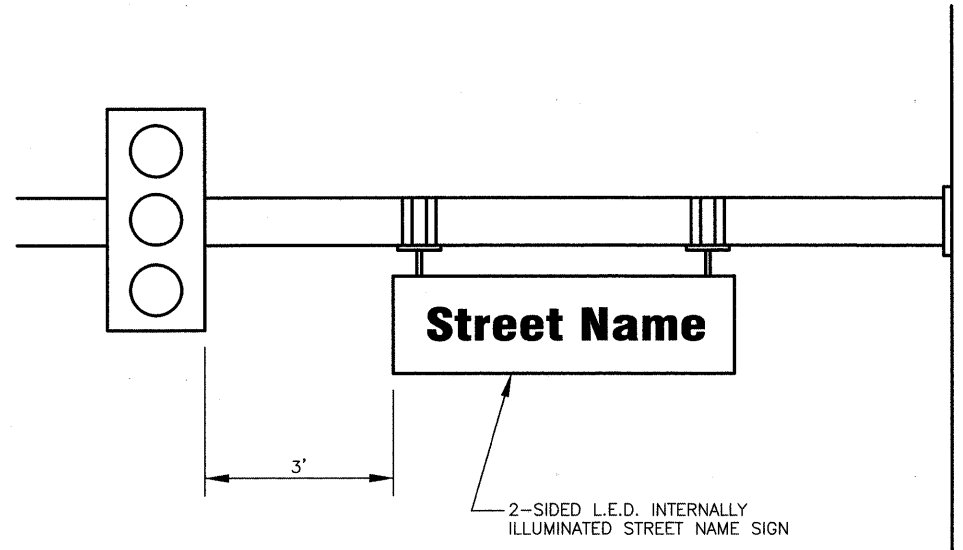
SERIES	SECOND LETTER															
	a c d e		b h i k		f w		j		s t		v y		x		z	
	g	o	q	l	m	n	p	r								
I R S T	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
L	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
E	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
T	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
T	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
R	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
R	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

NUMBER TO NUMBER

SPACING CHART 8 INCH SERIES "C" & "D"

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

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

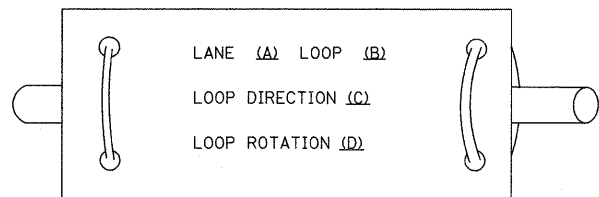


2-SIDED L.E.D. INTERNALLY ILLUMINATED STREET NAME SIGN

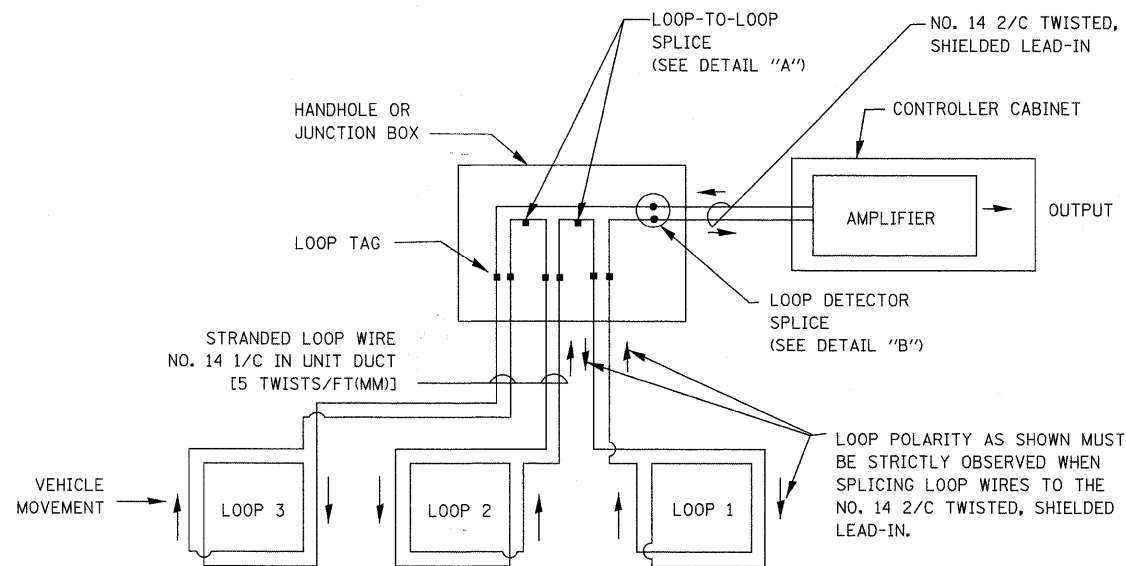
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

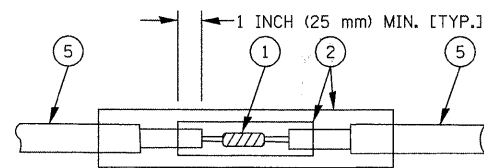


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

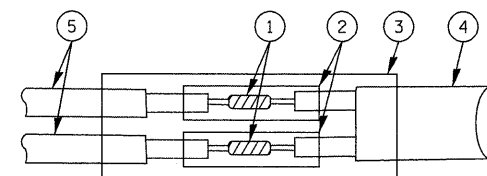


DETECTOR LOOP WIRING SCHEMATIC

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



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



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

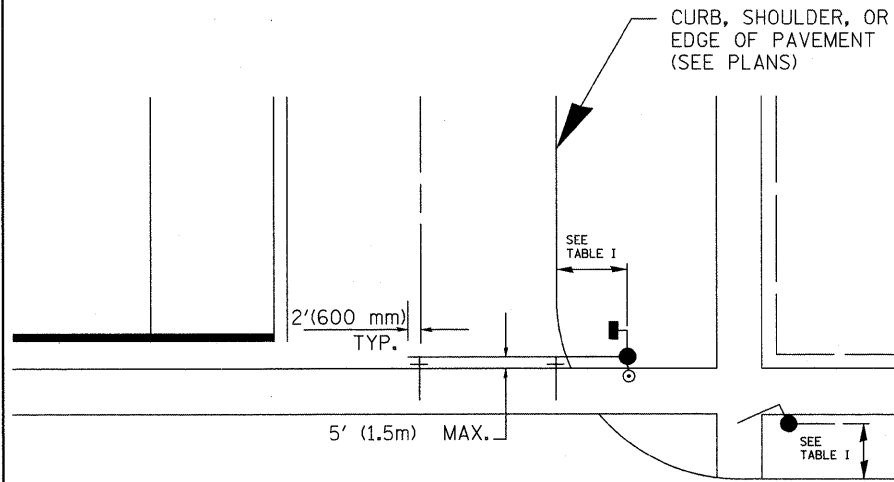
LOOP DETECTOR SPLICE

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

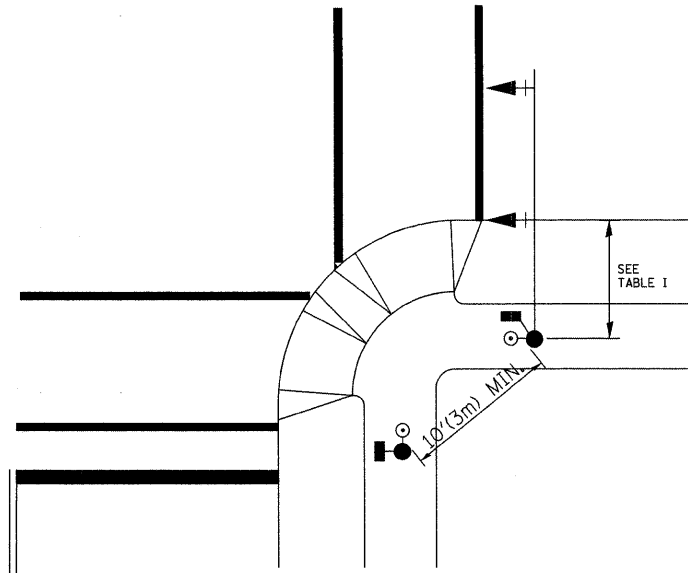
FILE NAME =	USER NAME =	DESIGNED DAD	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN RWP	REVISED --			0326	06-00130-00-CH	WILL	116	69	
		CHECKED DAZ	REVISED --			CONTRACT NO. 63185					
		DATE 5-29-09	REVISED --			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					
		PLOT SCALE = N.T.S.		SCALE: NOT TO SCALE SHEET NO. 1 OF 4 SHEETS							
		PLOT DATE = 3-13-2009									

TRAFFIC SIGNAL MAST ARM AND POST

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



PEDESTRIAN SIGNAL PUSHBUTTON



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

NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:
 - A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
 - B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
 - C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
 - D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
 - E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

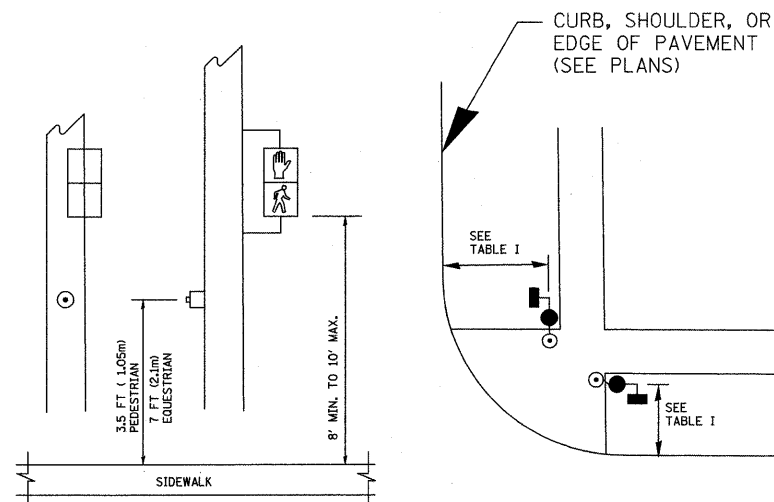


TABLE I

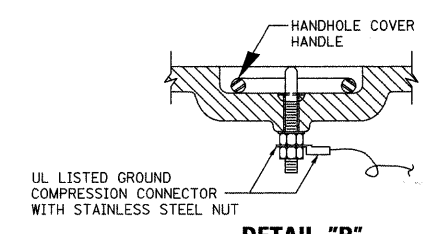
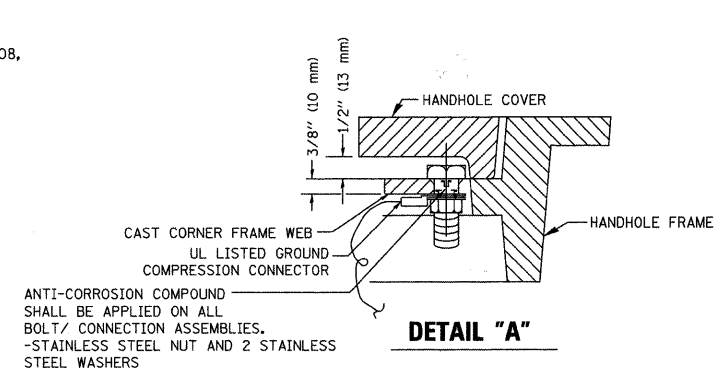
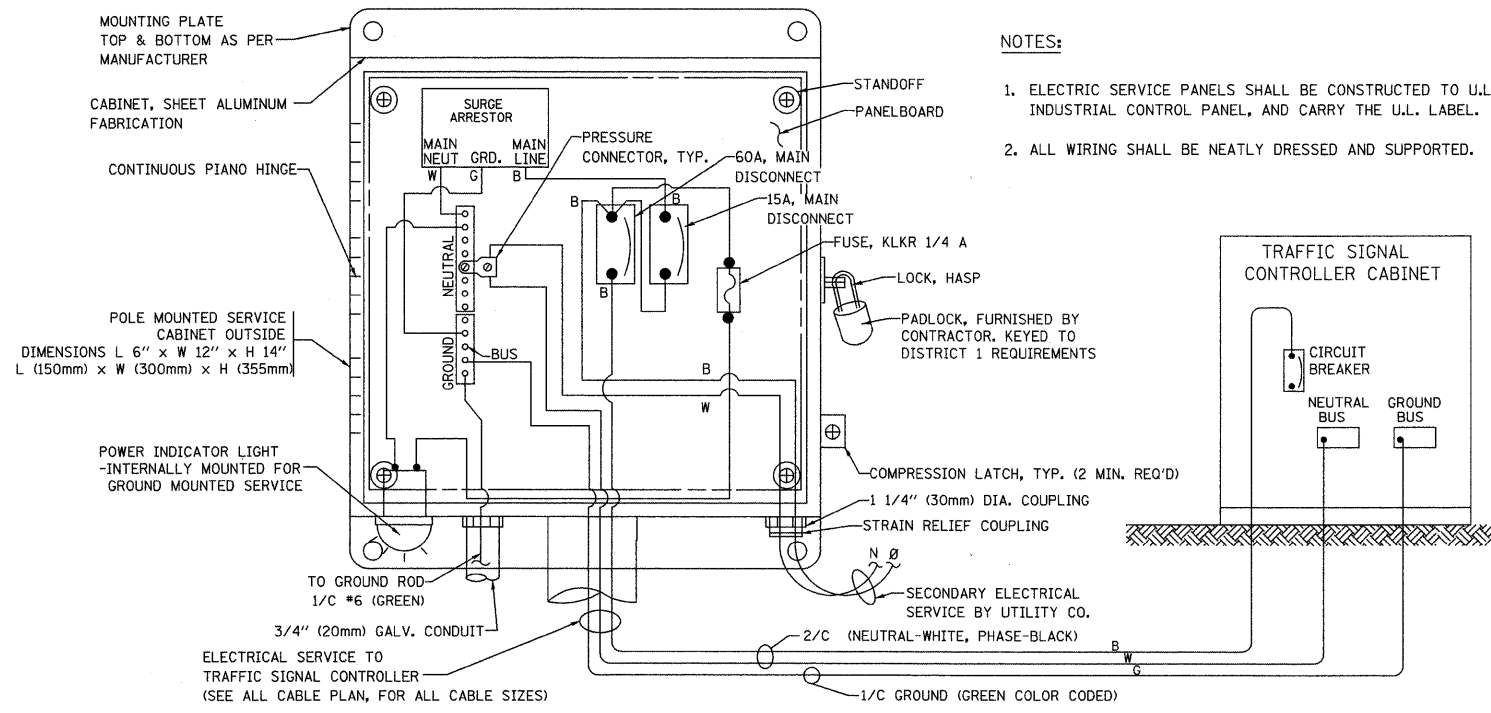
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m),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

FILE NAME =	USER NAME =	DESIGNED DAD	REVISED --
		DRAWN RWP	REVISED --
		CHECKED DAZ	REVISED --
		DATE 5-29-09	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS
SCALE: NOT TO SCALE SHEET NO. 2 OF 4 SHEETS

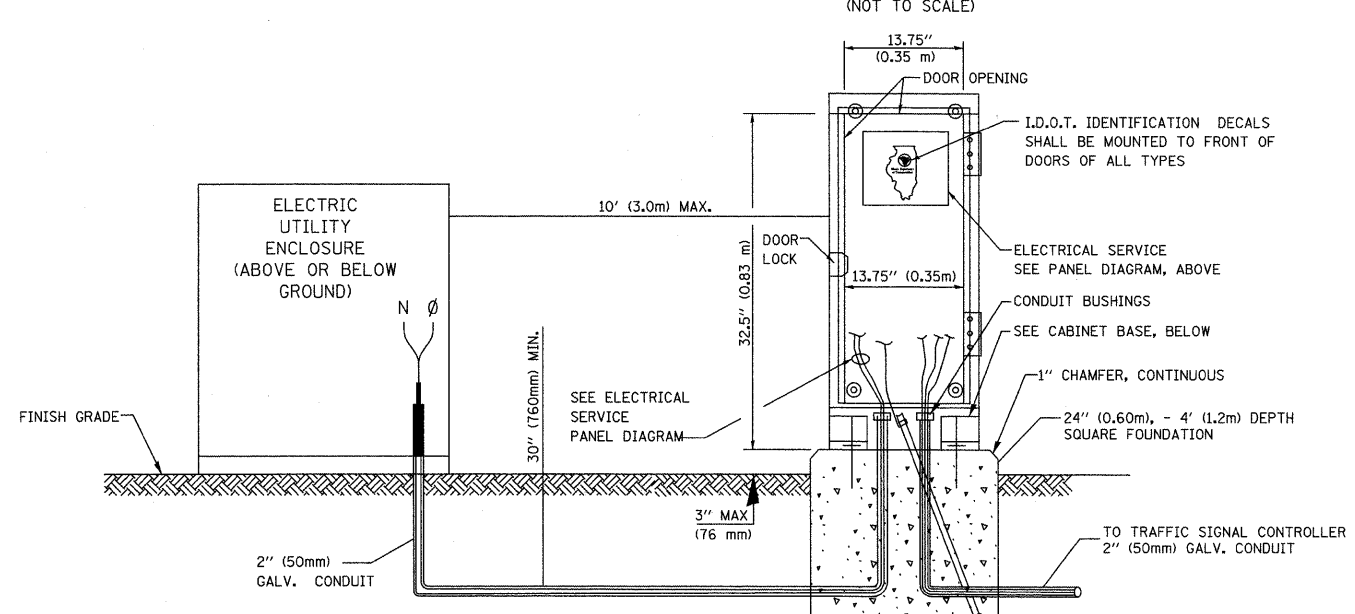
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	70
CONTRACT NO. 63185				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT M-8003(654)	



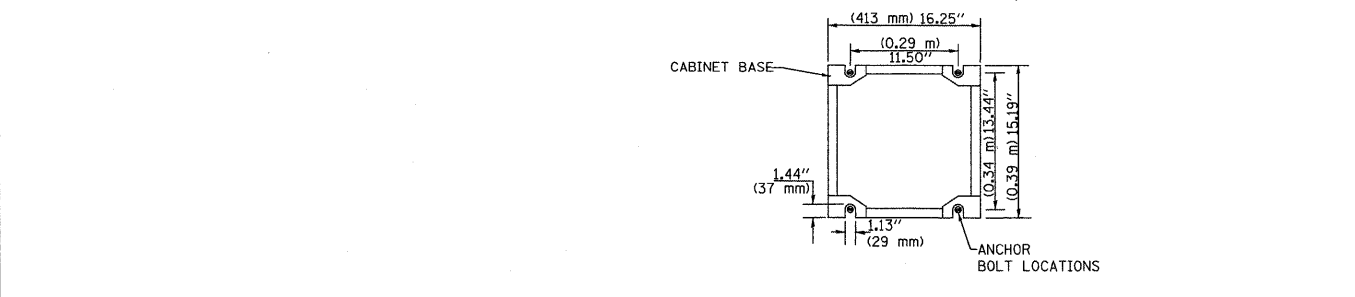
- NOTES:**
- GROUNDING SYSTEM**
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED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

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

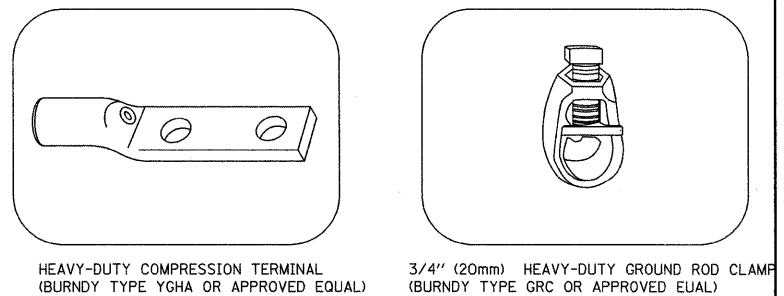
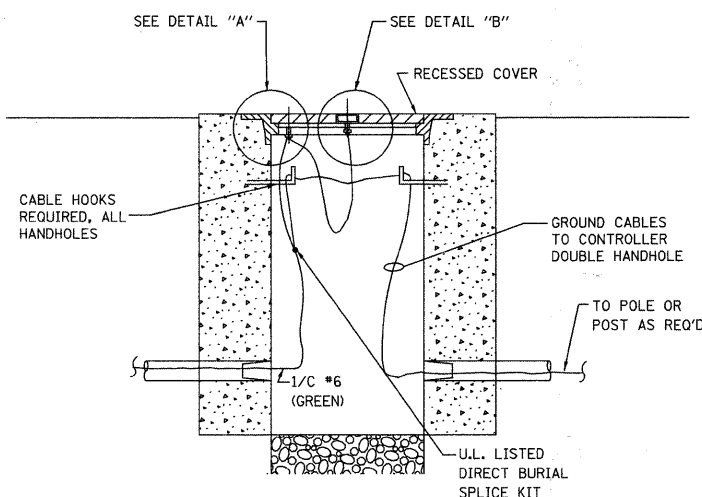
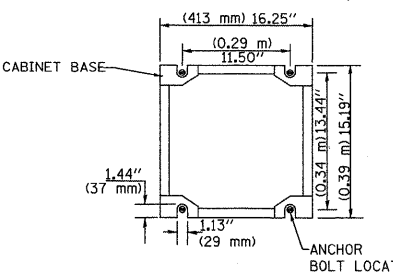
SERVICE INSTALLATION POLE MOUNT (SHOWN)



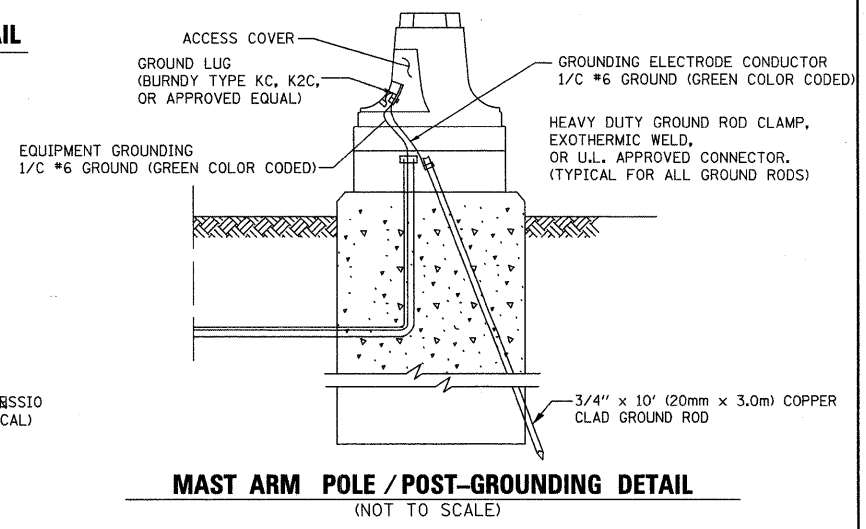
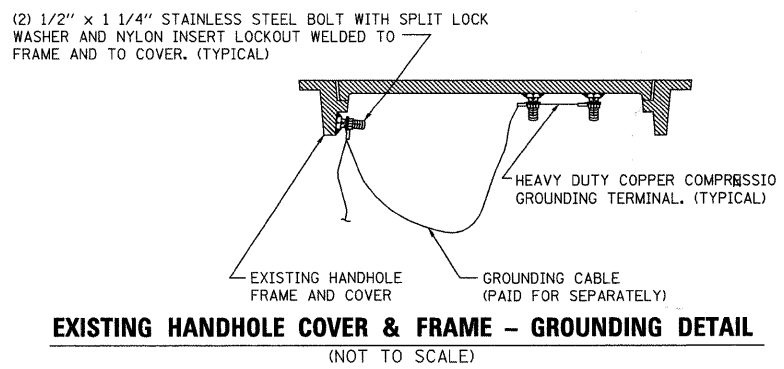
SERVICE INSTALLATION GROUND MOUNT



CABINET - BASE BOLT PATTERN



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



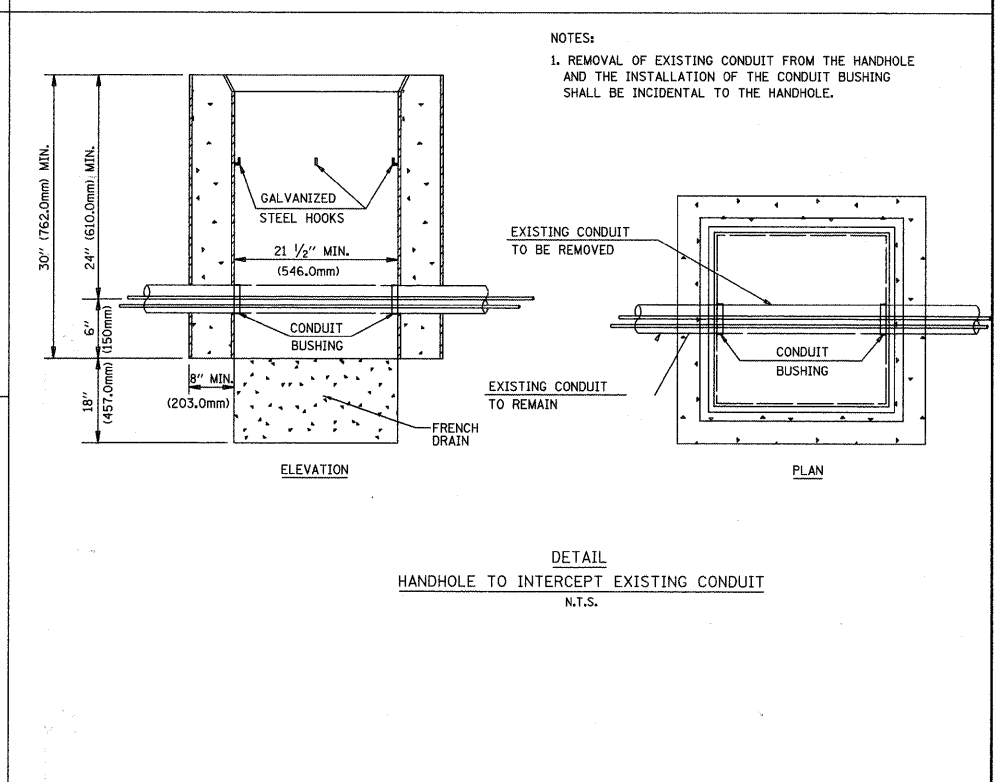
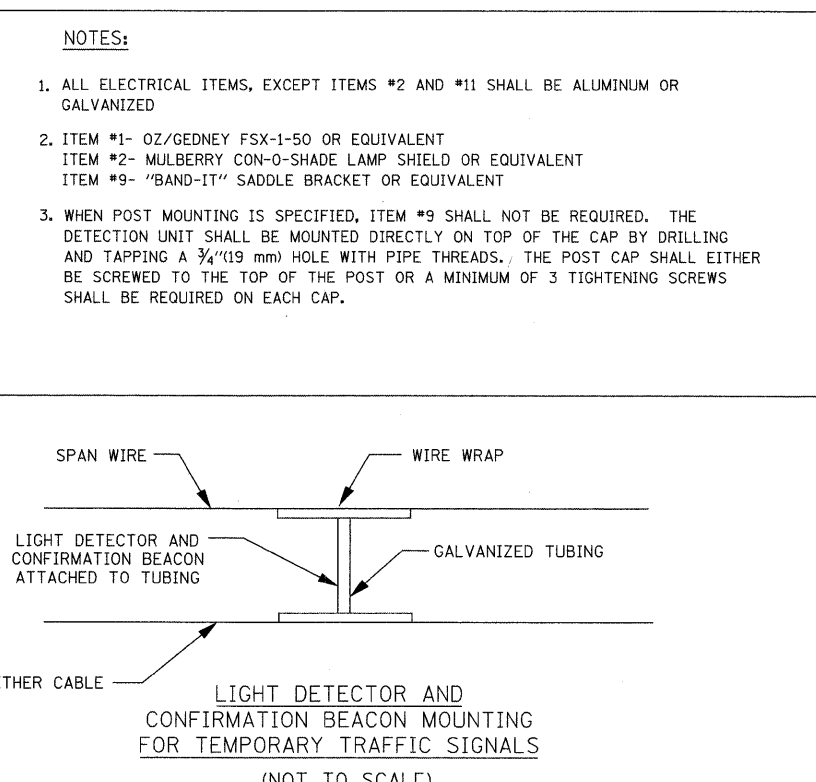
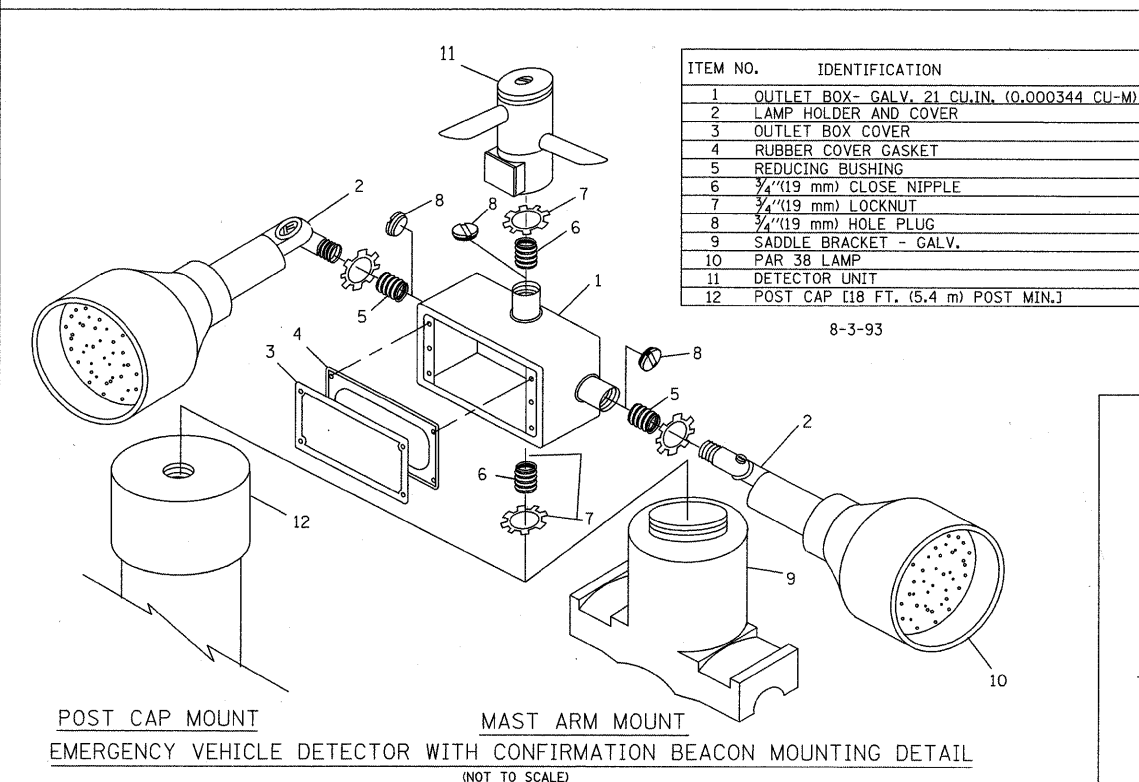
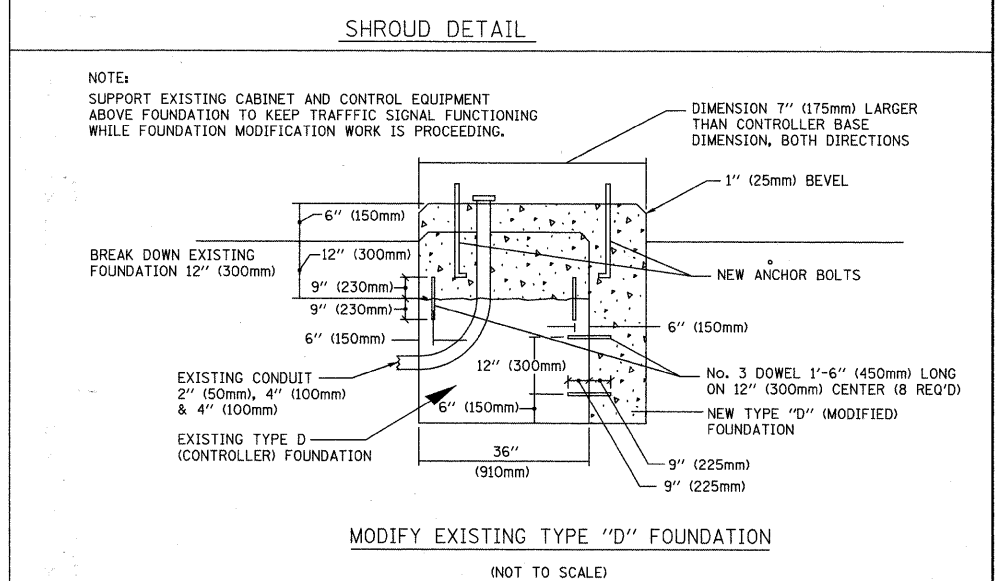
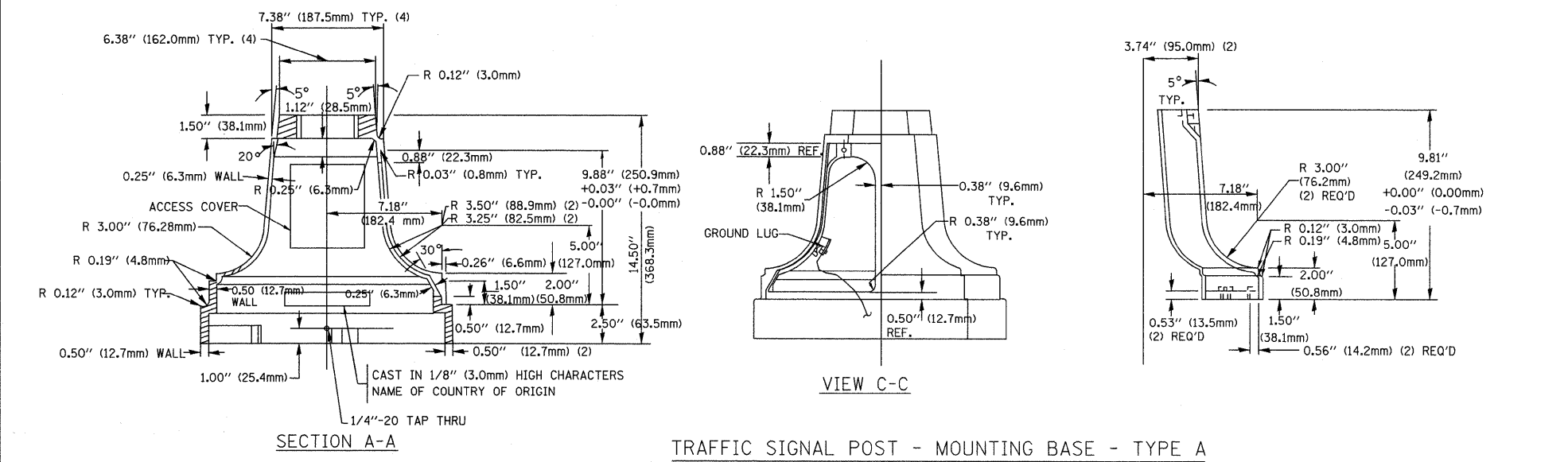
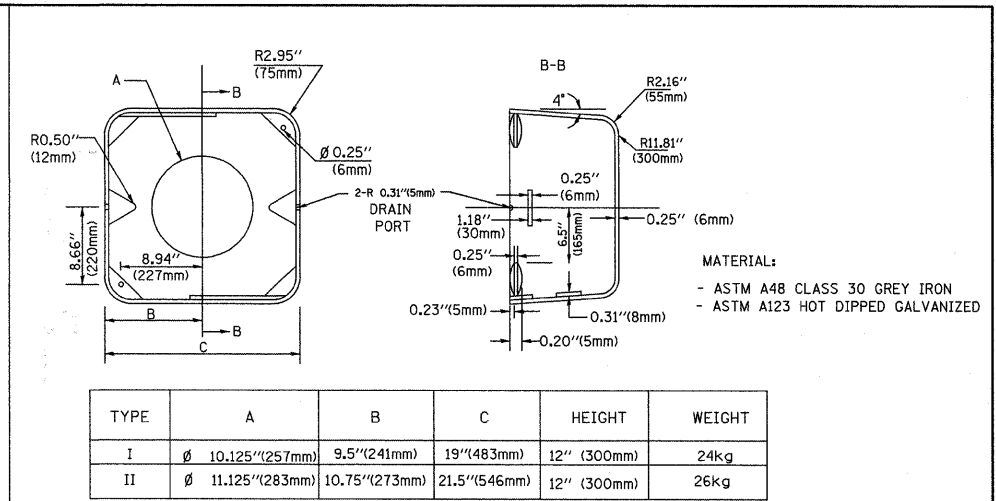
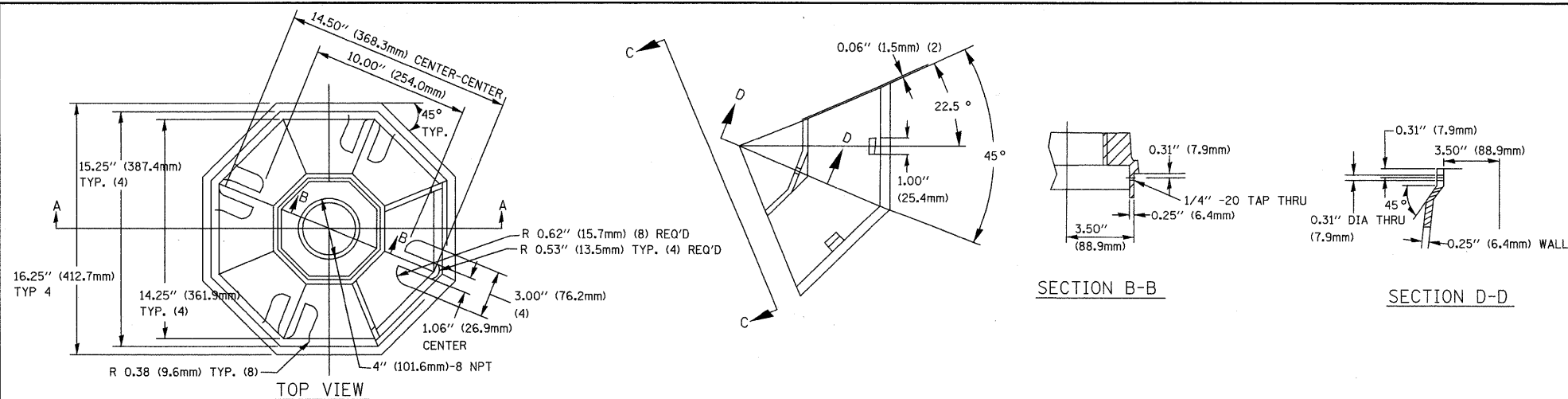
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		DRAWN RWP	REVISED -
		CHECKED DAZ	REVISED -
		DATE 5-29-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NOT TO SCALE SHEET NO. 3 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	71
CONTRACT NO. 63185				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT M-8003(654)	





HENNEPIN DRIVE
MATCH LINE STA. 104+00

BEGIN IMPROVEMENT
HENNEPIN DRIVE
STA. 100+80.83

NOTE:
TEMPORARY LIGHTING SHALL REMAIN OPERATIONAL UNTIL PROPOSED LIGHTING IS COMPLETE. PROPOSED LIGHTING IS NOT INCLUDED IN THIS CONTRACT. PROPOSED LIGHTING WILL BE IN A SEPARATE CONTRACT LET BY THE CITY.

REMOVAL OF EXISTING LIGHTING UNIT;
LIGHTING FOUNDATION REMOVAL
(TYP.)

PULL EXISTING CABLES IN CONDUIT FROM EXIST. LIGHT POLE @ STA. 101+62 (RT.) AND SPLICE EXISTING CABLES TO AERIAL CABLES ON TEMPORARY WOOD POLE. (SEE "WIRING CONNECTION DETAIL - WOOD POLE TO EXISTING LIGHTING CONTROLLER OR LIGHT POLE" ON SHEET NO. 76)

SPLICE AERIAL CABLES TO EXISTING LIGHTING CABLES (SEE DETAIL "AERIAL CABLE CONNECTION TO EXISTING LIGHT POLE" ON SHEET NO. 76.)

AERIAL CABLE 3-1/C NO. 8 WITH MESSENGER WIRE.

STA. 100+94, 41.6' LT
CIRCUIT NW

AERIAL CABLE, 5-1/C NO. 8 WITH MESSENGER WIRE (TYP.)

STA. 101+93, 41.6' LT
CIRCUIT NW

TEMPORARY WOOD POLE, 55 FT., CLASS 4, 15 FT. MAST ARM (TYP.)

STA. 102+93, 43.1' LT
CIRCUIT NW

STA. 103+93, 46.6' LT
CIRCUIT NW

HENNEPIN DRIVE
MATCH LINE STA. 104+00

MALL LOOP DRIVE

AERIAL CABLE, 5-1/C NO. 8 WITH MESSENGER WIRE (TYP.)

STA. 104+93, 48.0' LT
CIRCUIT NW

TEMPORARY WOOD POLE, 55 FT., CLASS 4, 15 FT. MAST ARM (TYP.)

STA. 105+93, 48.0' LT
CIRCUIT NW

STA. 106+93, 48.0' LT
CIRCUIT NW

STA. 107+93, 48.0' LT
CIRCUIT NW

STA. 108+88, 48.0' LT
CIRCUIT NW

SEE "WIRING CONNECTION DETAIL - WOOD POLE TO EXISTING LIGHTING CONTROLLER OR LIGHT POLE" ON SHEET NO. 76

MODIFY EXISTING LIGHTING CONTROLLER

END IMPROVEMENT
ESSINGTON ROAD
STA. 146+02.41

AERIAL CABLE, 3-1/C NO. 8 WITH MESSENGER WIRE

HARBOR DRIVE

SPLICE AERIAL CABLES TO EXISTING LIGHTING CABLES (SEE DETAIL "AERIAL CABLE CONNECTION TO EXISTING LIGHT POLE" ON SHEET NO. 76)

BEGIN IMPROVEMENT
ESSINGTON ROAD
STA. 136+50

ESSINGTON ROAD

LEGEND

- REMOVAL OF EXISTING LIGHTING UNIT
- TEMPORARY COMBINATION POLE
- TEMPORARY WOOD POLE, 45 FT., CLASS 4
- TEMPORARY LIGHTING UNIT WOOD POLE, 55 FT., CLASS 4, 15 FT. MAST ARM LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT
- AERIAL CABLE
- EXISTING LIGHTING CONTROLLER 240/480V

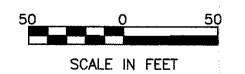
TEMPORARY COMBINATION TRAFFIC SIGNAL/LIGHTING POLE (SEE TEMPORARY TRAFFIC SIGNAL SHEET) (TYP.)

TEMPORARY WOOD POLE, 45 FT., CLASS 4 (TYP.)

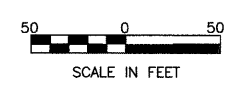
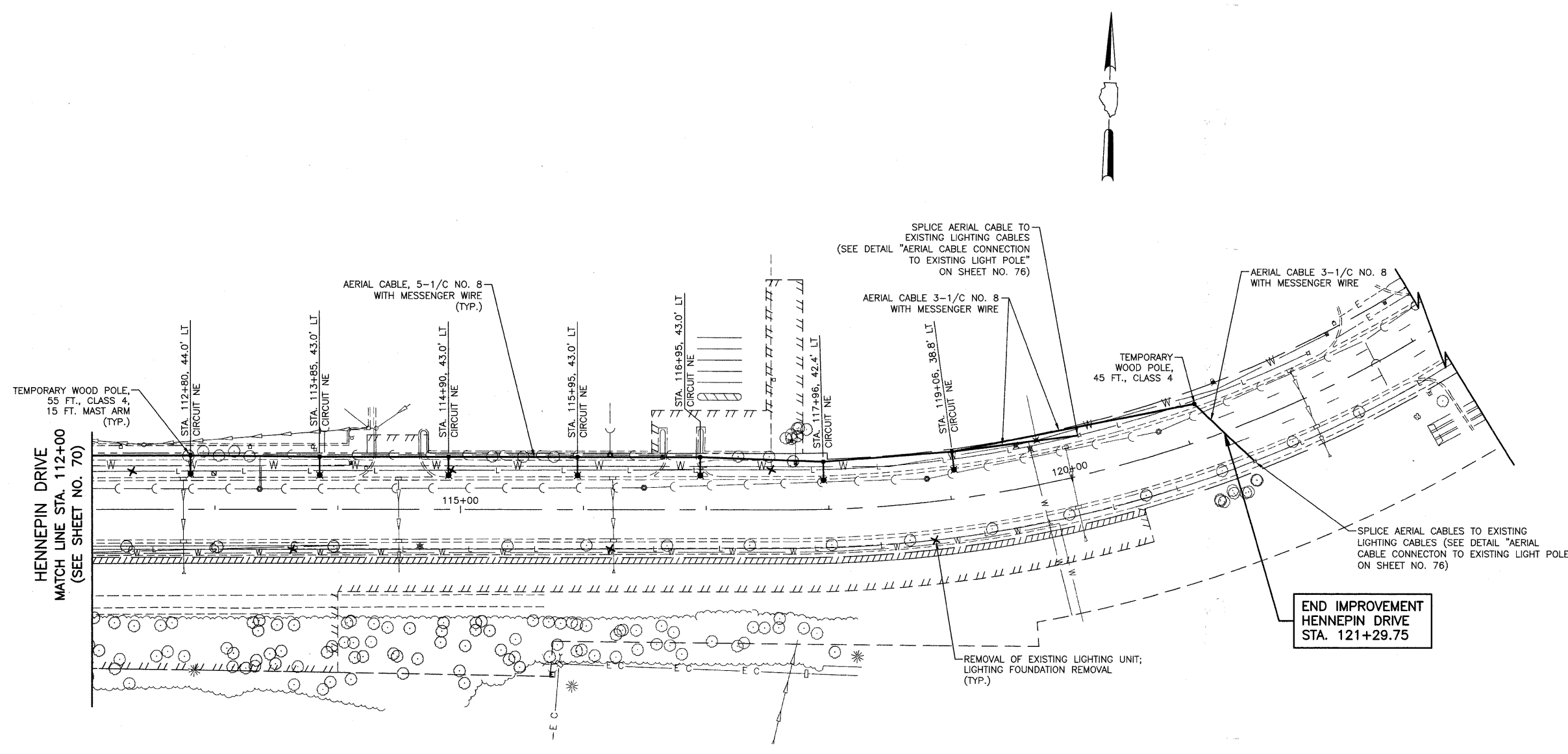
STA. 111+85, 44.0' LT
CIRCUIT NE

HENNEPIN DRIVE
MATCH LINE STA. 112+00
(SEE SHEET NO. 74)

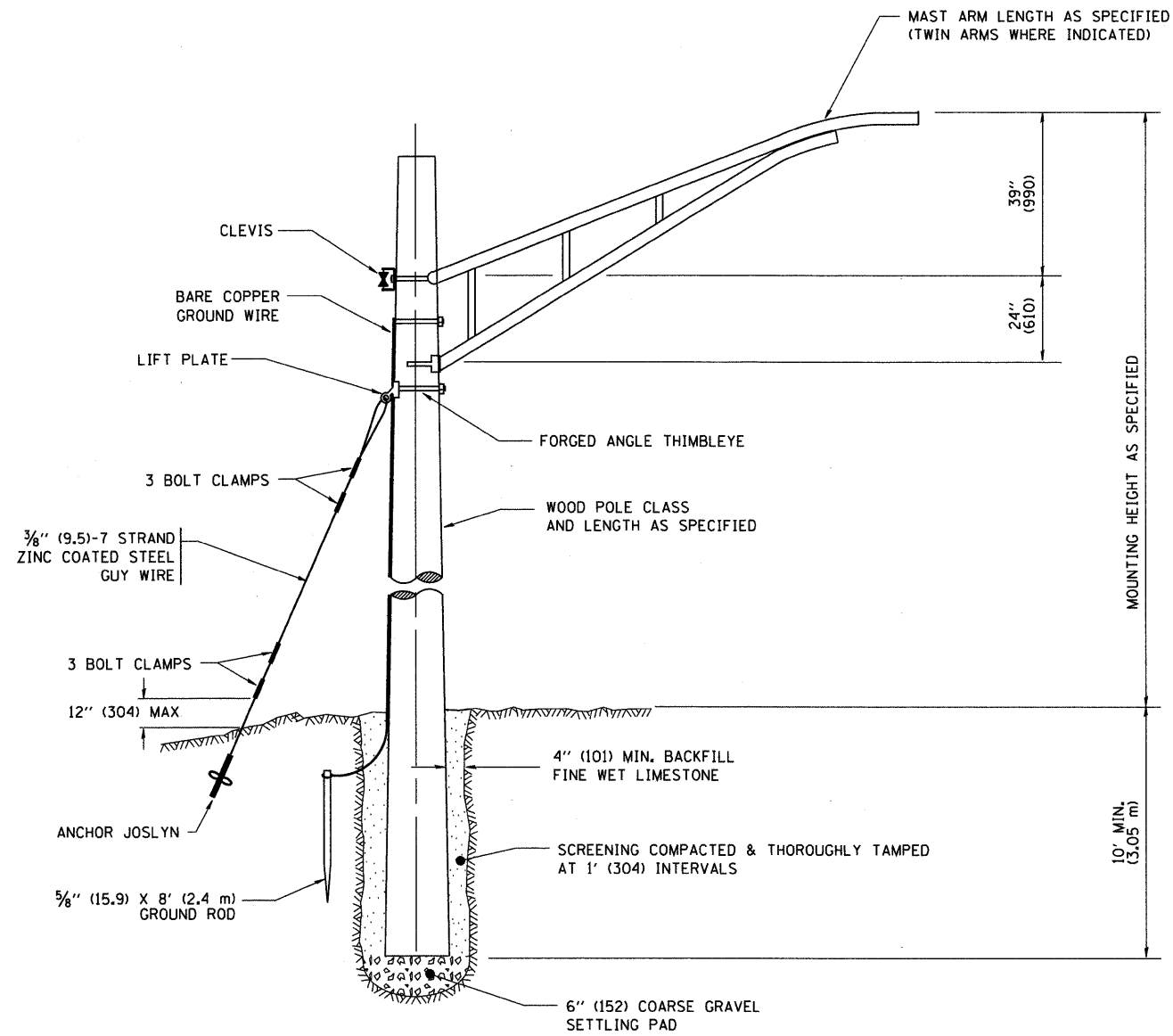
CHEVY CHASE DRIVE



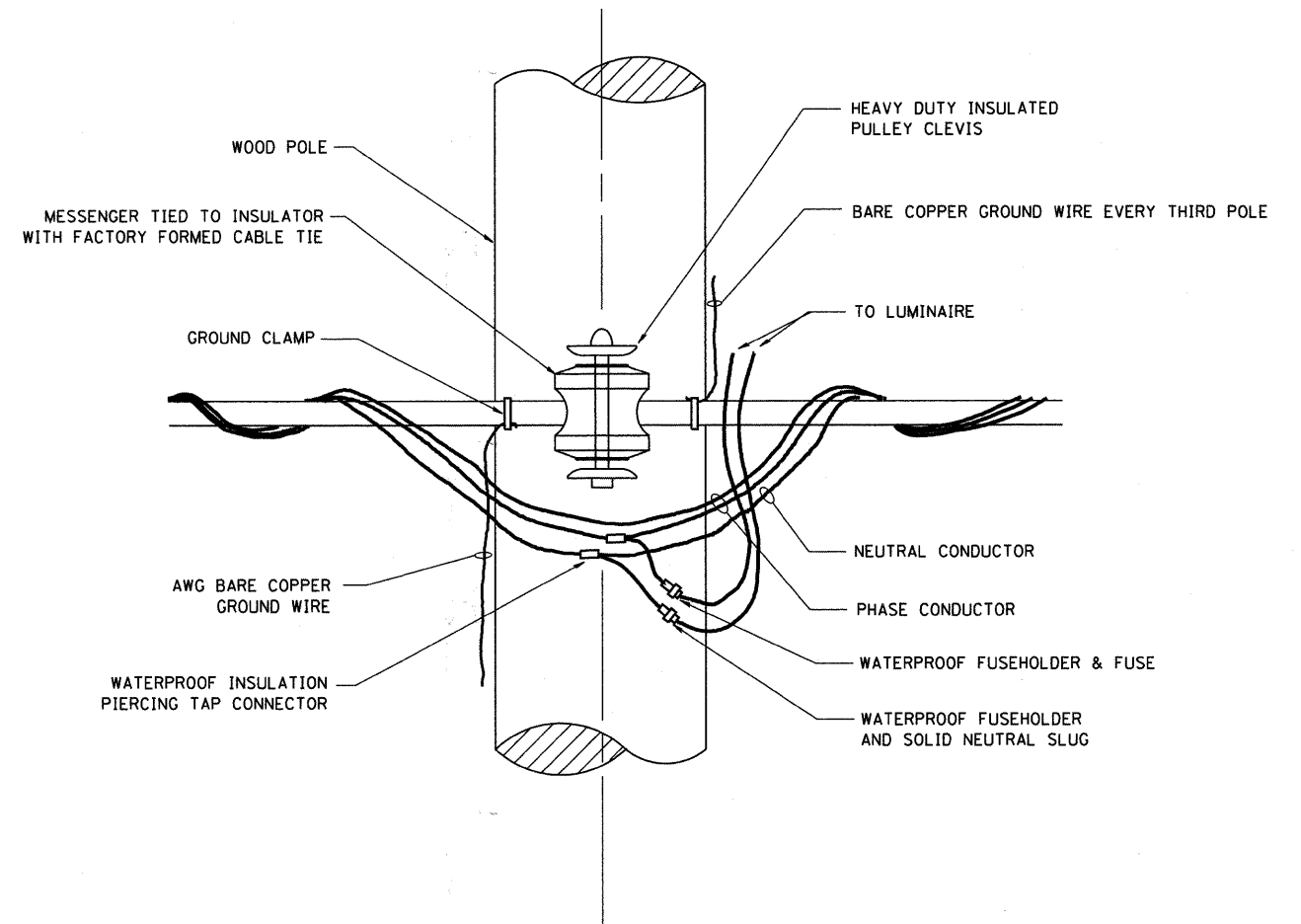
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		DRAWN C.D.C.	REVISED --			0326	06-00130-00-CH	WILL	116	73	
		CHECKED D.N.M.	REVISED --			CONTRACT NO. 63185					
		DATE 5-29-09	REVISED --			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					
					SCALE: 1" = 50'	SHEET NO. 1 OF 2 SHEETS					



FILE NAME =	USER NAME =	DESIGNED S.J.C.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY STREET LIGHTING RECONNECTION PLAN HENNEPIN DRIVE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN C.D.C.	REVISED -		SCALE: 1" = 50'	SHEET NO. 2 OF 2 SHEETS	0326	06-00130-00-CH	WILL	116	74
		CHECKED D.N.M.	REVISED -				CONTRACT NO. 63185				
		DATE 5-29-09	REVISED -				FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)				



TEMPORARY LIGHT POLE DETAIL

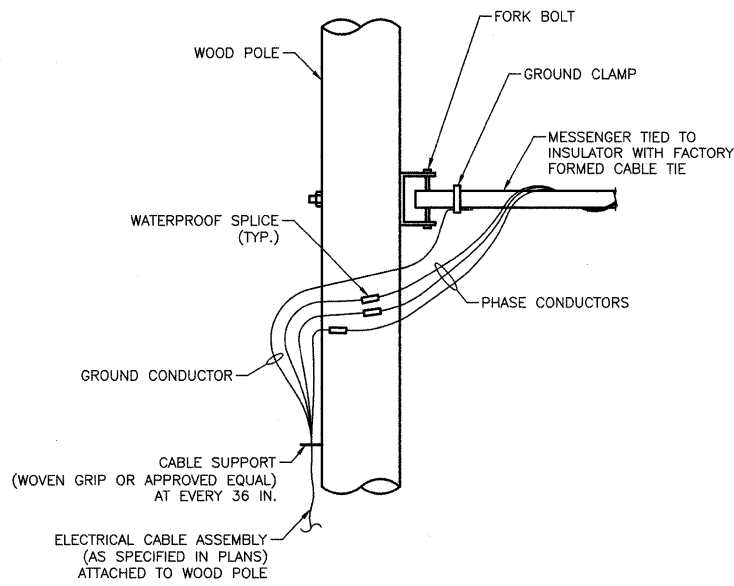


TEMPORARY LIGHT POLE ATTACHMENT DETAIL

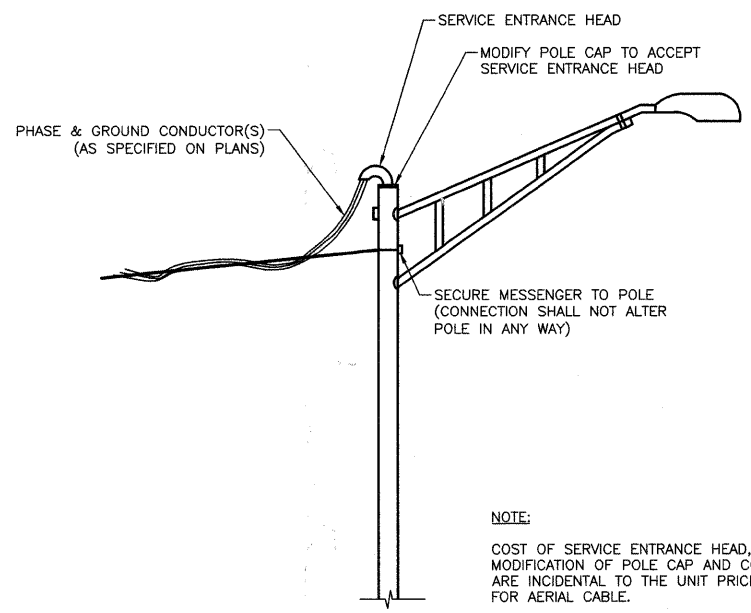
NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED

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PLOT DATE = 1/4/2008	DATE -	REVISED -	REVISED -	SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(654)		
								BE-800		CONTRACT NO. 63185		

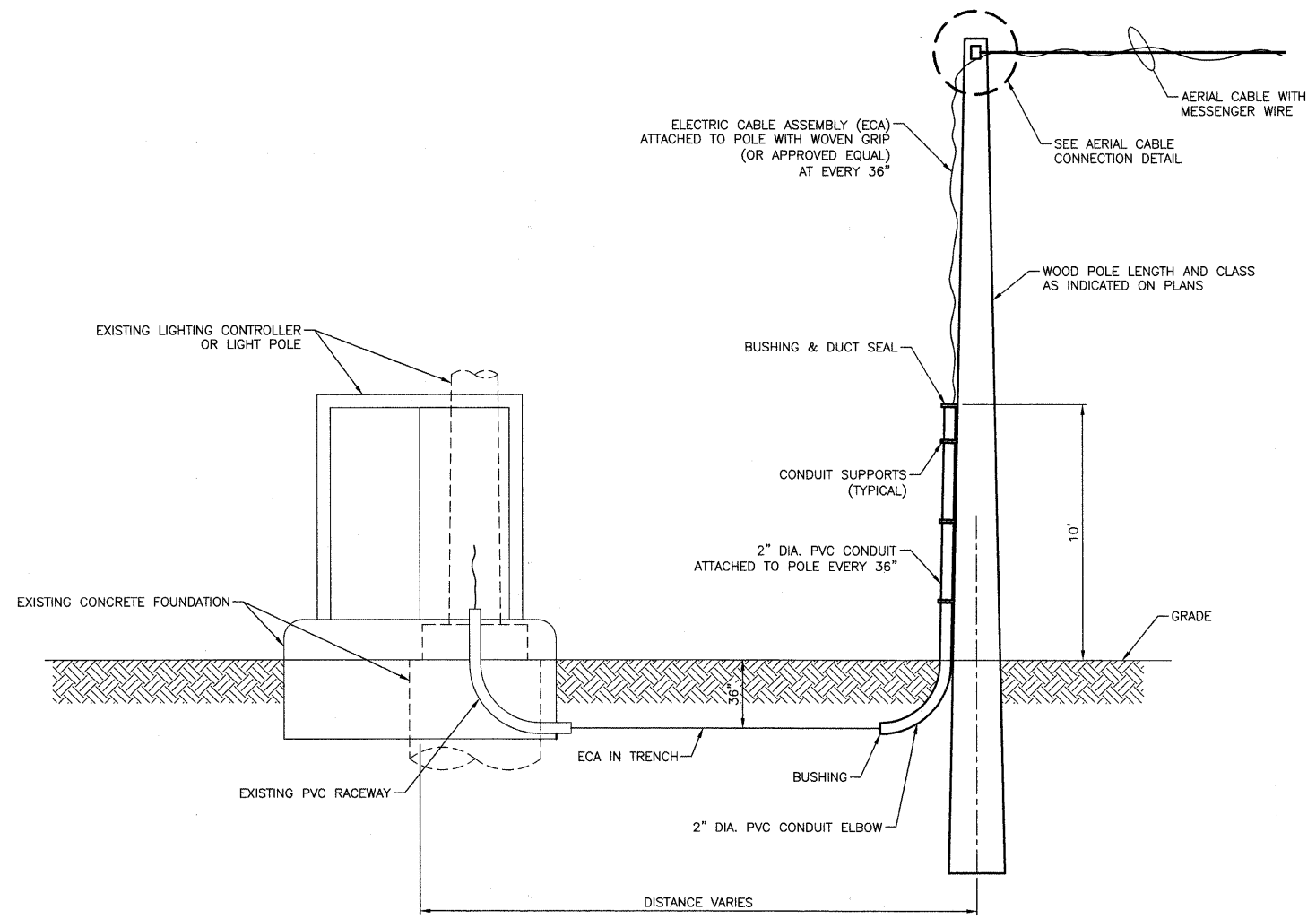


AERIAL CABLE CONNECTION DETAIL
N.T.S.



AERIAL CABLE CONNECTION TO EXISTING LIGHT POLE
N.T.S.

NOTE:
COST OF SERVICE ENTRANCE HEAD, MODIFICATION OF POLE CAP AND CONNECTION ARE INCIDENTAL TO THE UNIT PRICE FOR AERIAL CABLE.



WIRING CONNECTION DETAIL
WOOD POLE TO EXISTING LIGHTING CONTROLLER OR LIGHT POLE
N.T.S.

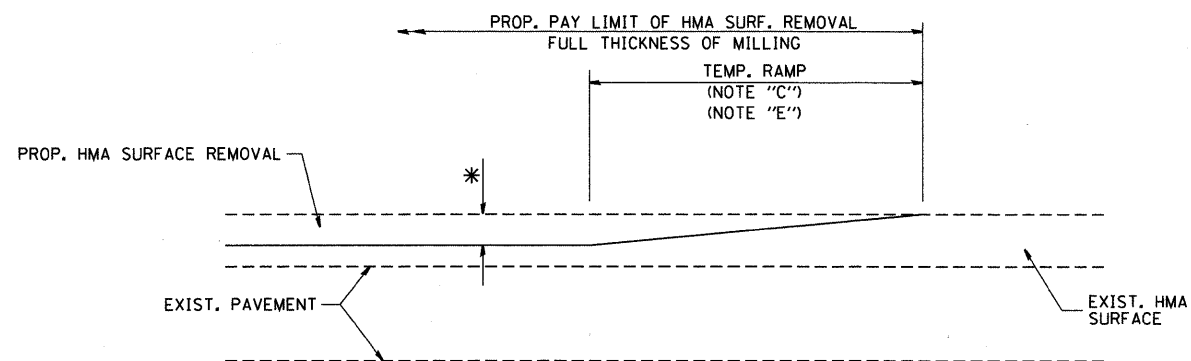
NOTE:
COST OF SPLICES, ELECTRIC CABLES IN TRENCH, ELECTRIC CABLES ATTACHED TO POLE, 2" DIA. PVC CONDUIT AND MOUNTING HARDWARE ARE INCIDENTAL TO THE UNIT PRICE FOR AERIAL CABLE.

FILE NAME =	USER NAME =	DESIGNED SJC	REVISED --
		DRAWN CDC	REVISED --
	PLOT SCALE =	CHECKED DNM	REVISED --
	PLOT DATE =	DATE 5-29-09	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

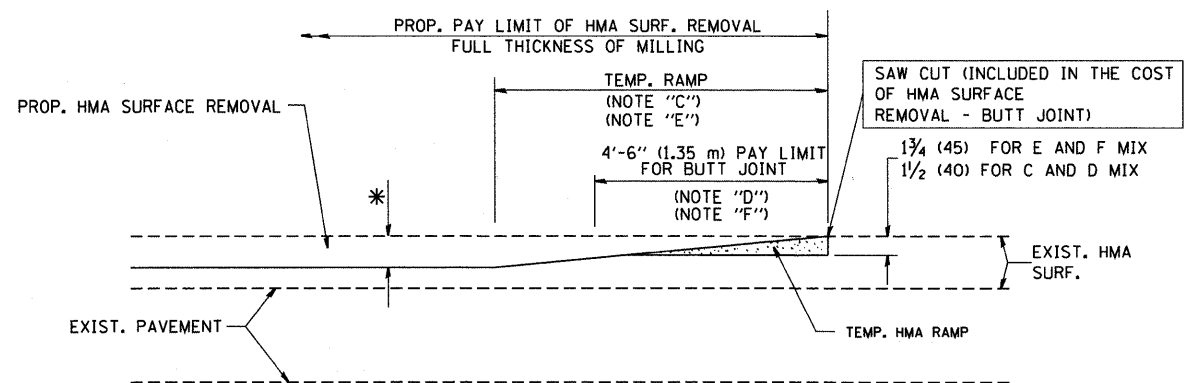
TEMPORARY LIGHTING DETAILS
ESSINGTON ROAD AT HENNEPIN DRIVE
SCALE: NOT TO SCALE SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	76
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT M-8003(654)	



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

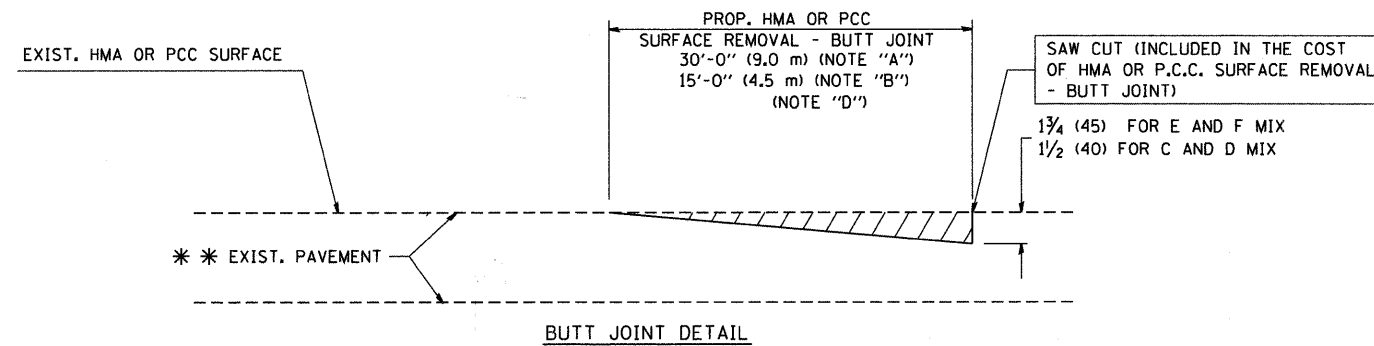
OPTION 1



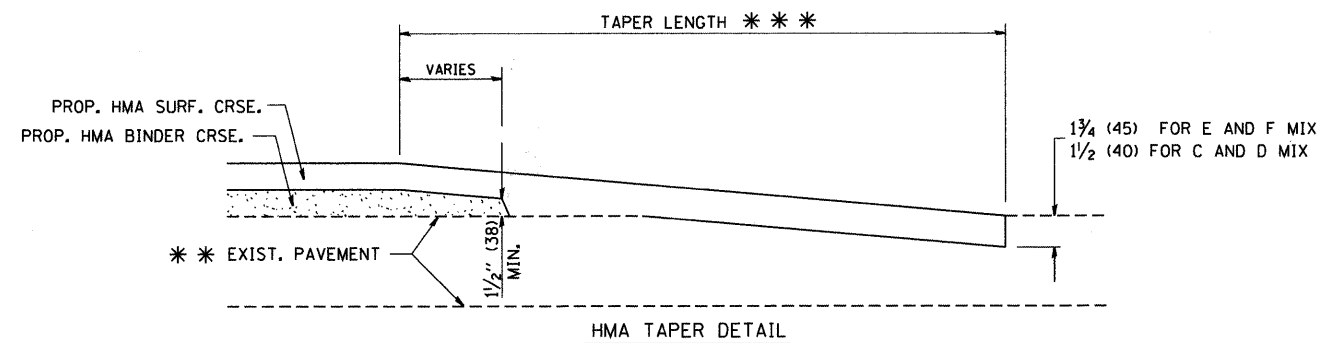
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

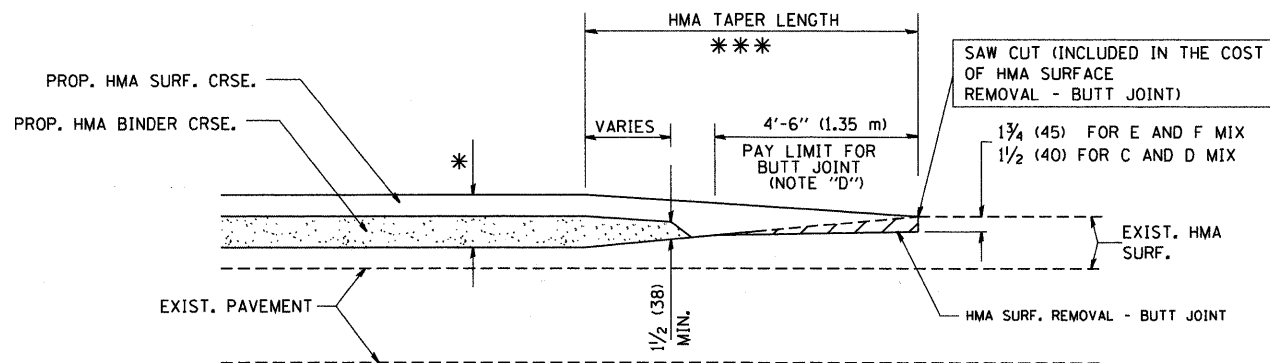
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

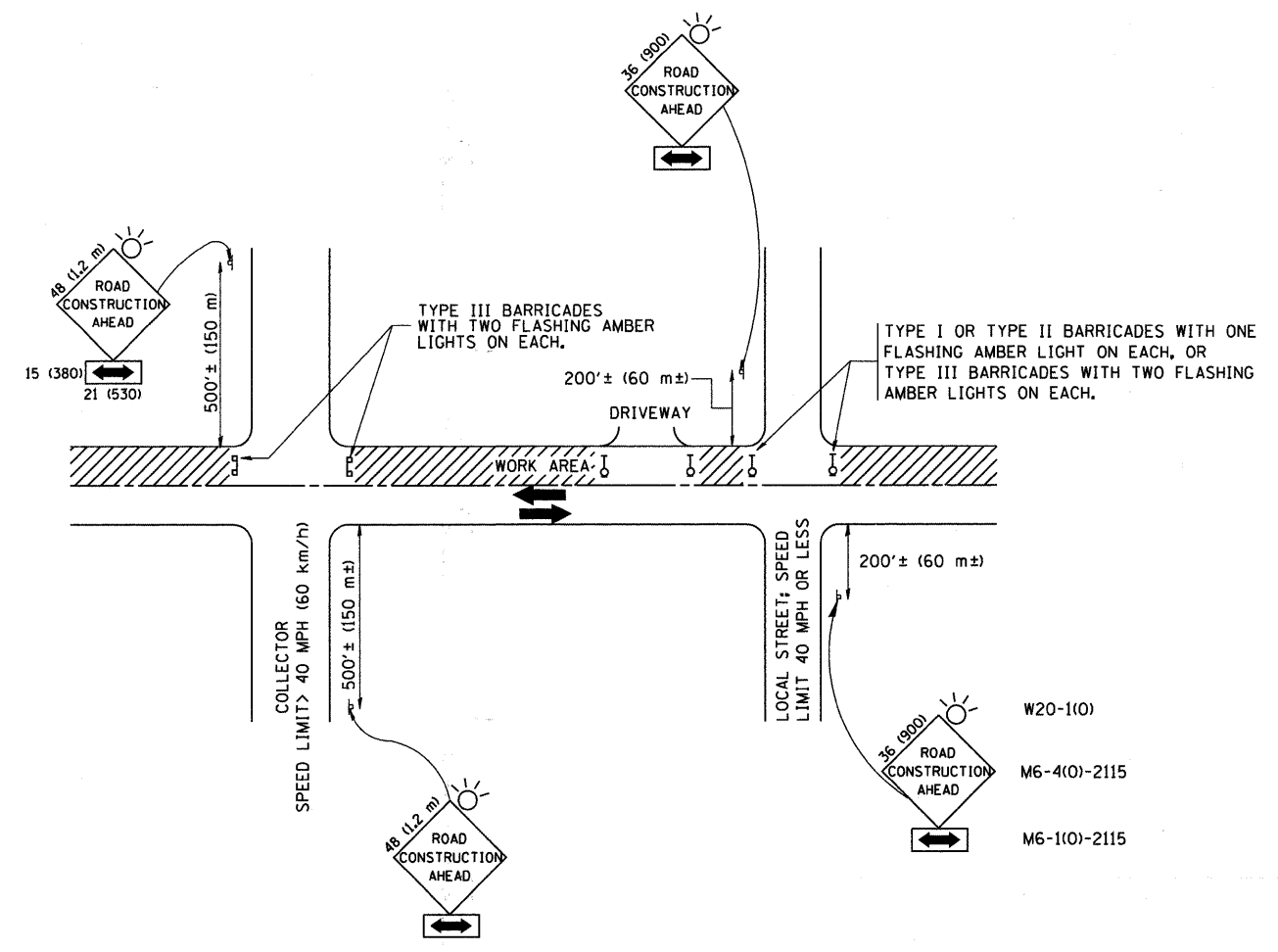
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PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 77
BD400-05 BD32		CONTRACT NO. 63185		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(654)				



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS:
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

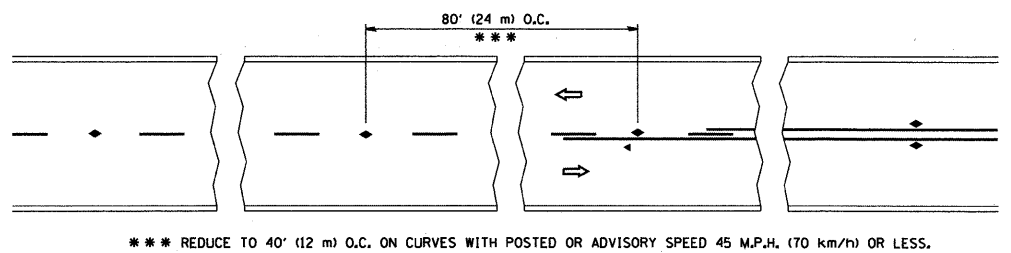
All dimensions are in millimeters (inches) unless otherwise shown.

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		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

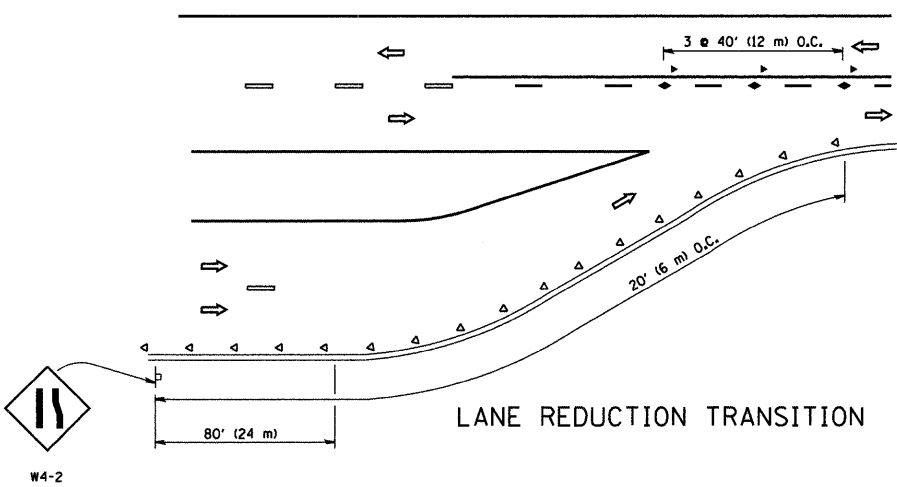
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

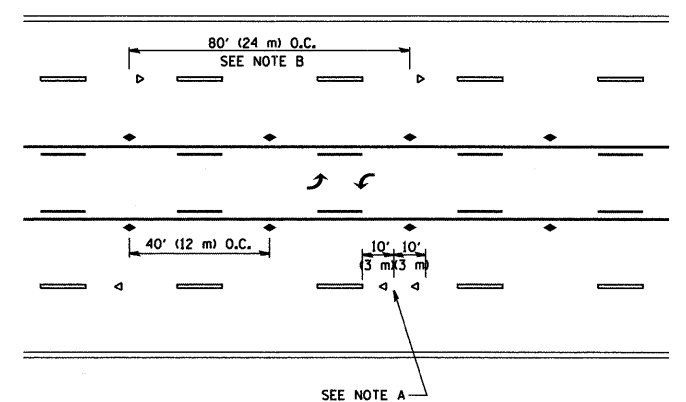
F.A.U. R.T.E. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 78
TC-10		CONTRACT NO. 63185		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(654)				



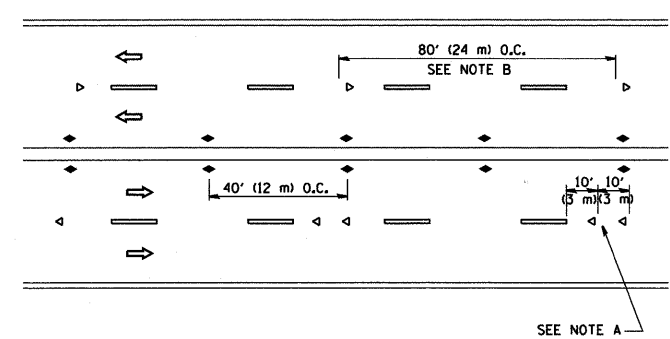
TWO-LANE/TWO-WAY



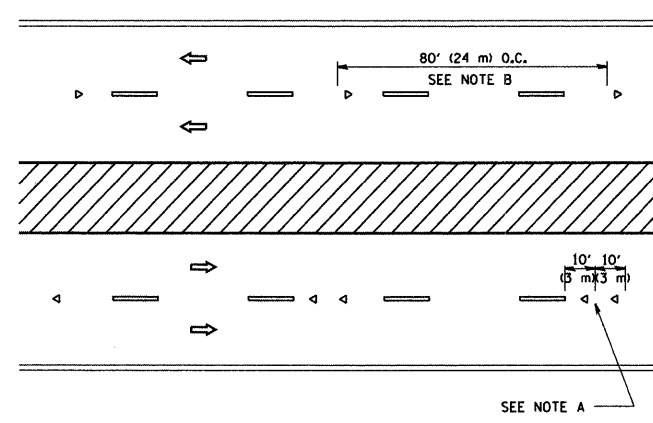
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

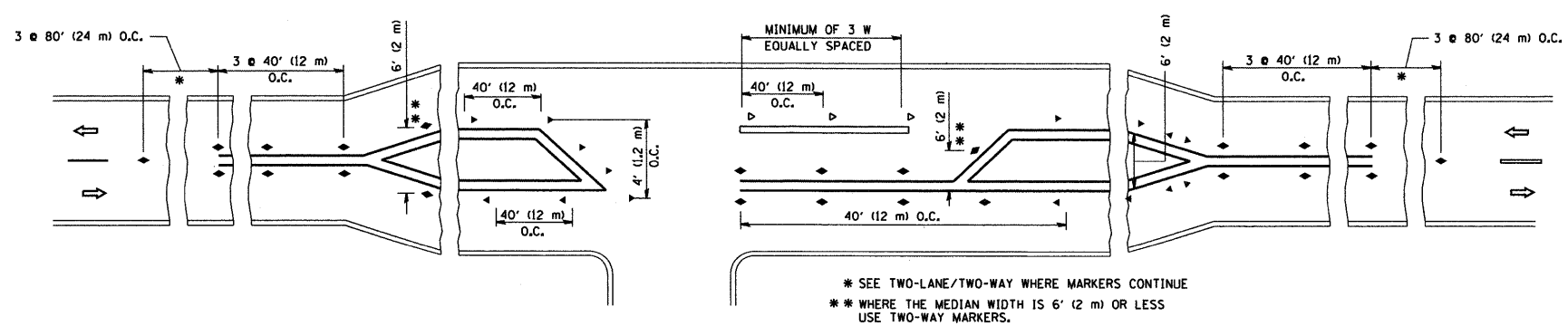
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

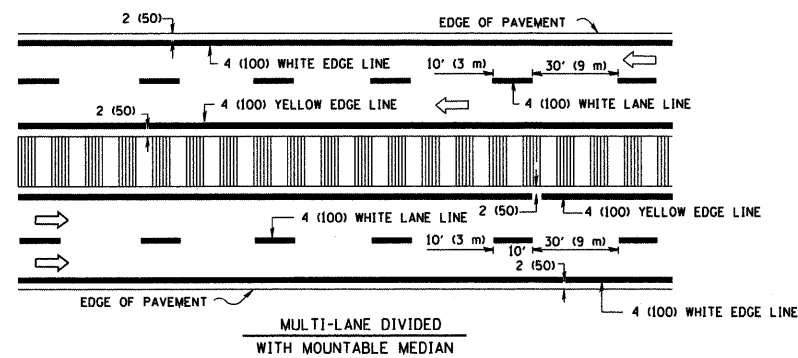
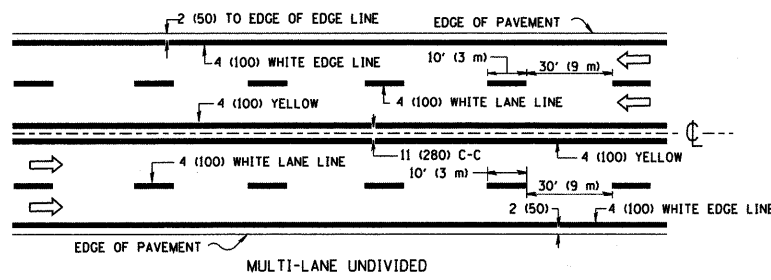
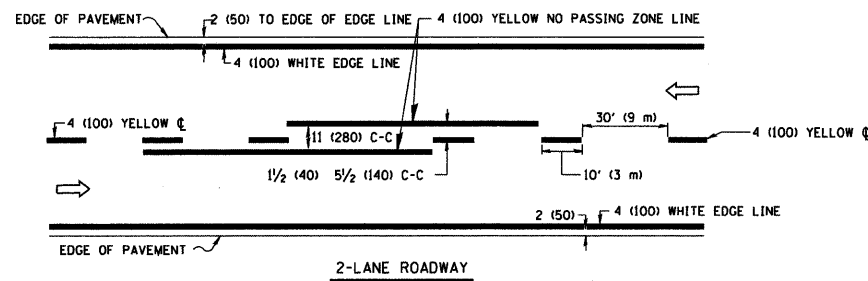
1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD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



LEFT TURN

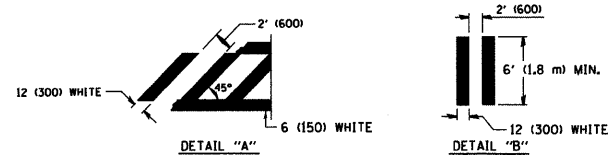
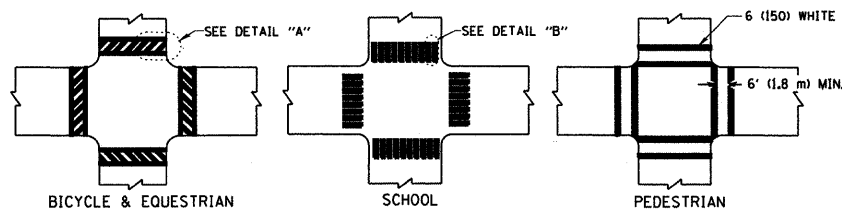
All dimensions are in inches (millimeters) unless otherwise shown.

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	PLOT SCALE = 50,000' / IN.	DRAWN -	REVISED - T. RAMMACHER 03-12-99		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	0326	06-00130-00-CH	WILL	116
PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 01-06-00	REVISED -	TC-11			CONTRACT NO. 63185		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(854)			

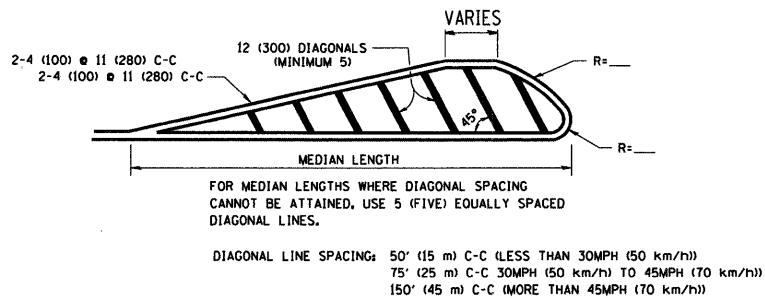
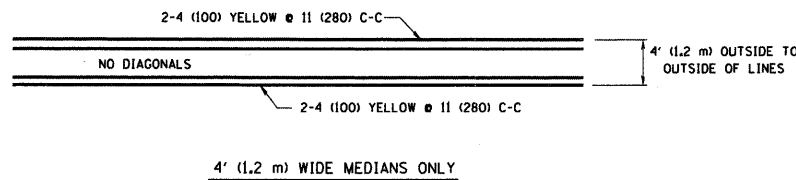


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

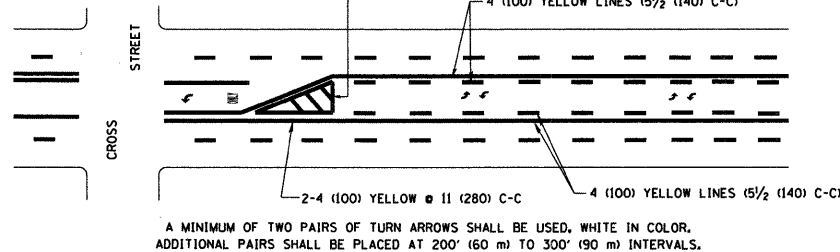
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

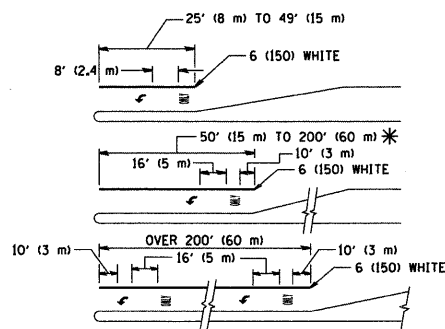


MEDIANS OVER 4' (1.2 m) WIDE



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

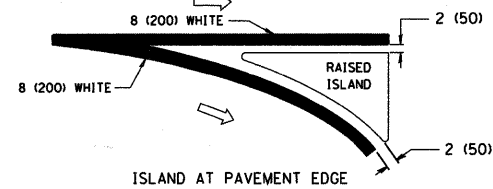
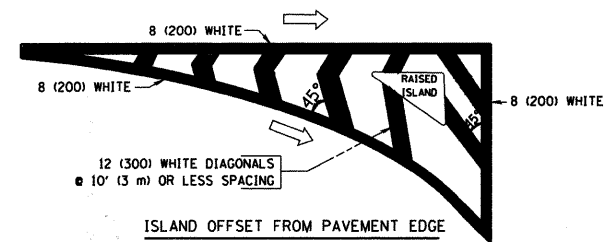


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

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

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PLOT DATE = 1/4/2009

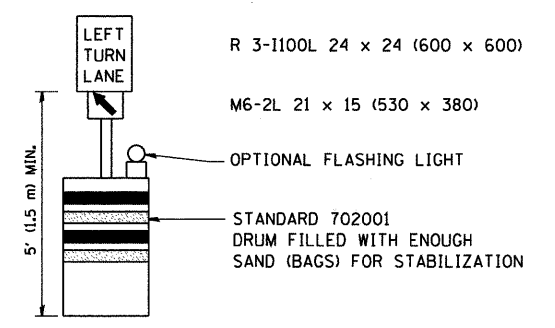
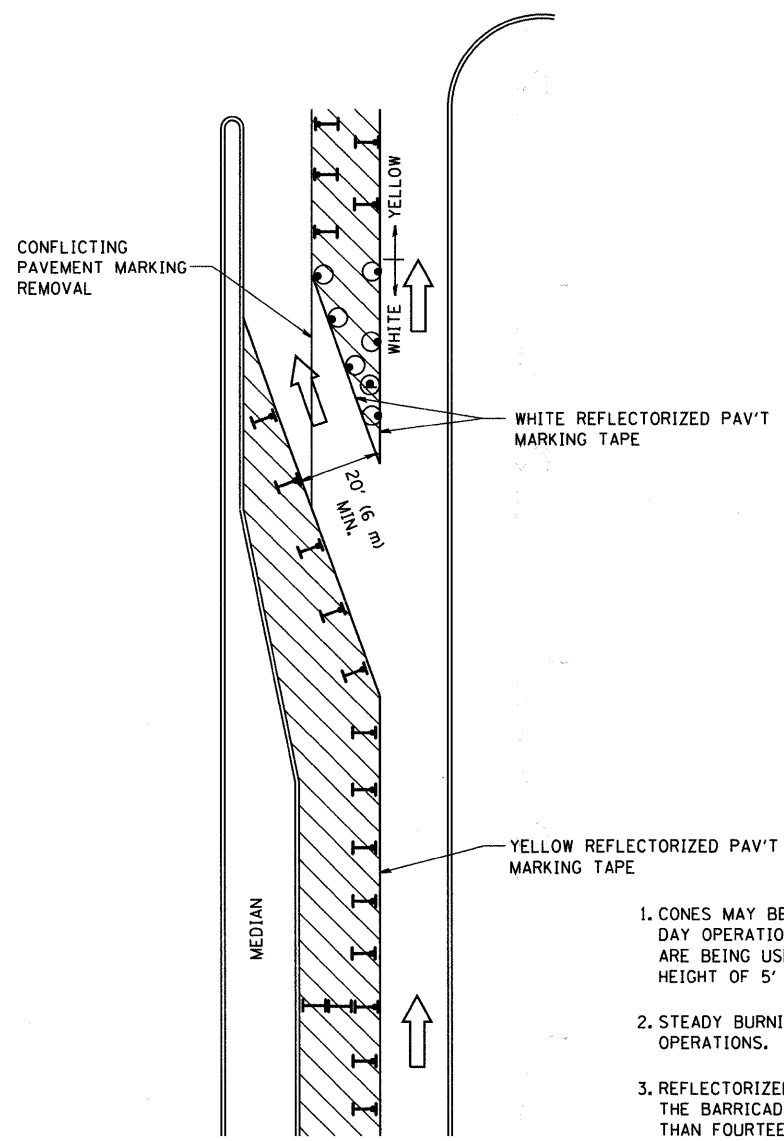
DESIGNED - EVERS
DRAWN -
CHECKED -
DATE - 03-19-90
REVISED -T, RAMMACHER 10-27-94
REVISED -A, HOUSEH 10-09-96
REVISED -A, HOUSEH 10-17-96
REVISED -T, RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

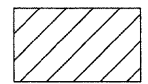
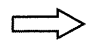




F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	80
TC-13		CONTRACT NO. 63185		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(654)				



GENERAL NOTES

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

LEGEND

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

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

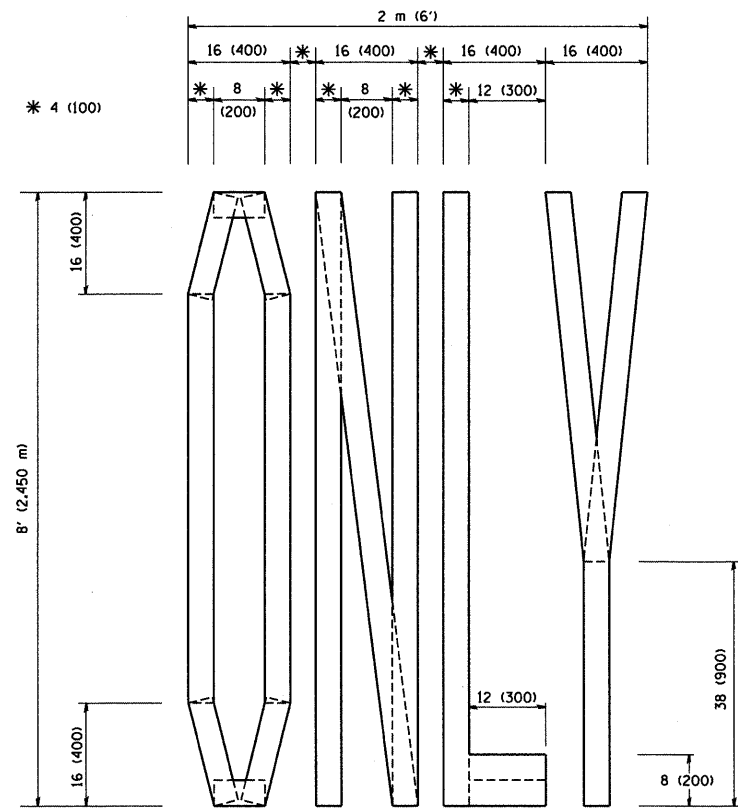
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		DRAWN -	REVISED - A. HOUSEH 11-07-95
		CHECKED -	REVISED - A. HOUSEH 10-12-96
		DATE -	REVISED -T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

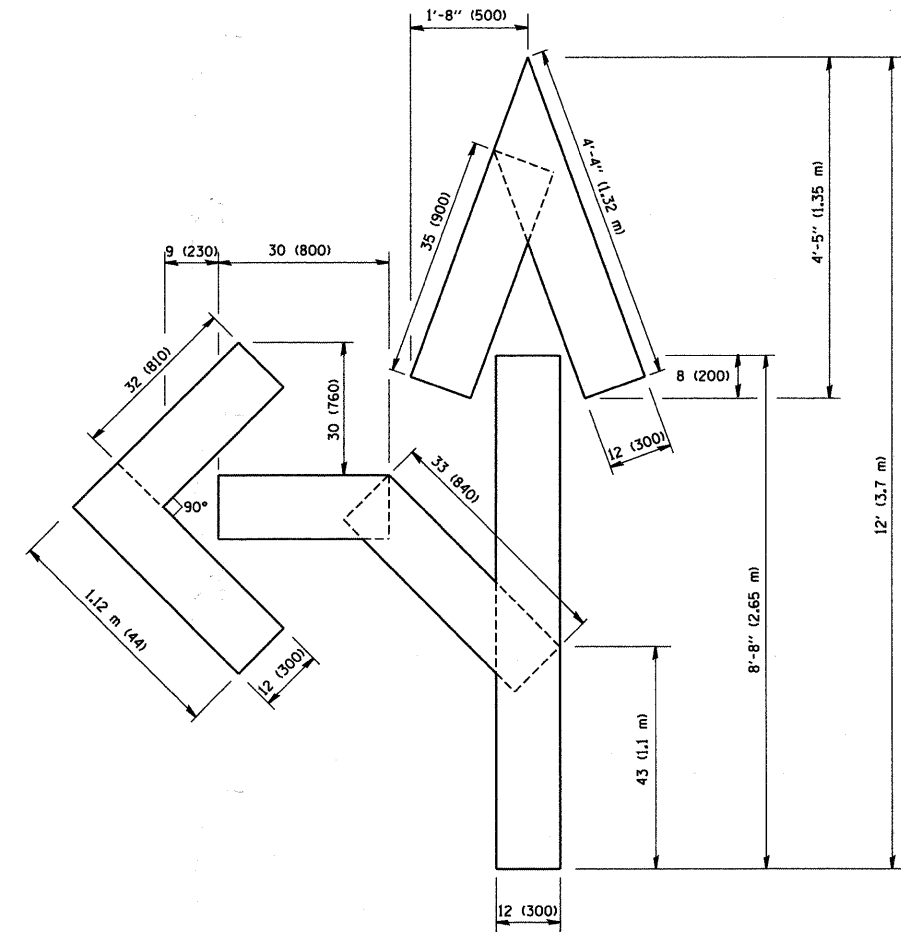
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	81
TC-14		CONTRACT NO. 63185		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(654)				

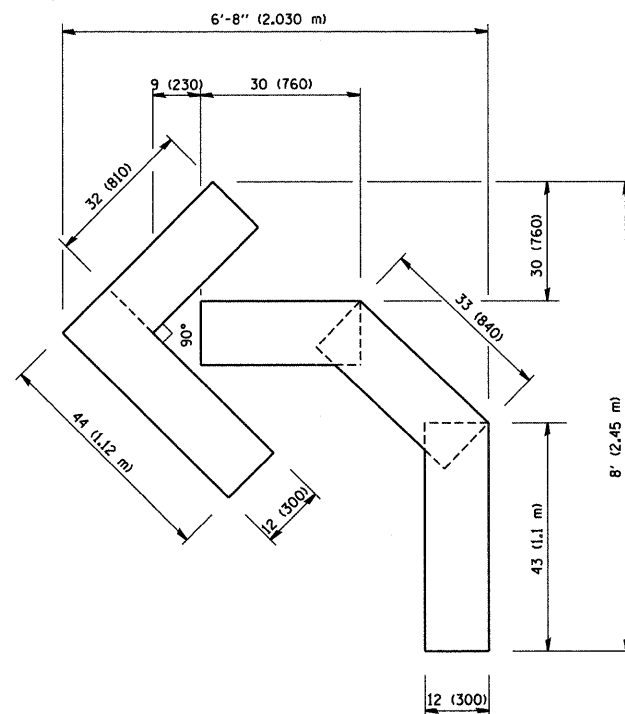
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.



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



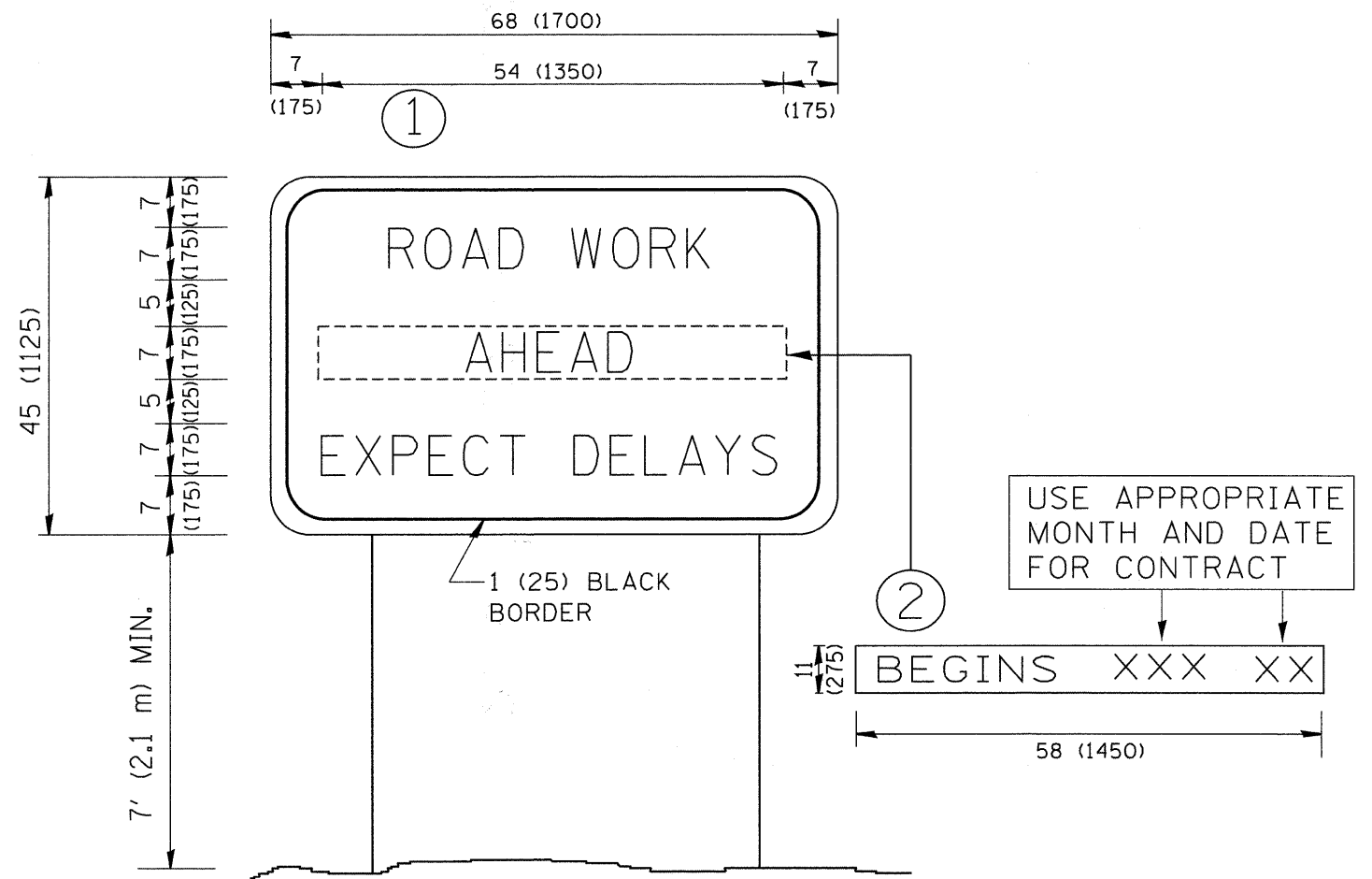
QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



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

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

FILE NAME = W:\diststd\22x34\1c16.dgn	USER NAME = geglienobt	DESIGNED - DRAWN -	REVISED -T. RAMMACHER 06-05-96 REVISED -T. RAMMACHER 11-04-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			F.A.L. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 82
PLOT SCALE = 50,0000 / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-16		CONTRACT NO. 63185		
PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(654)									

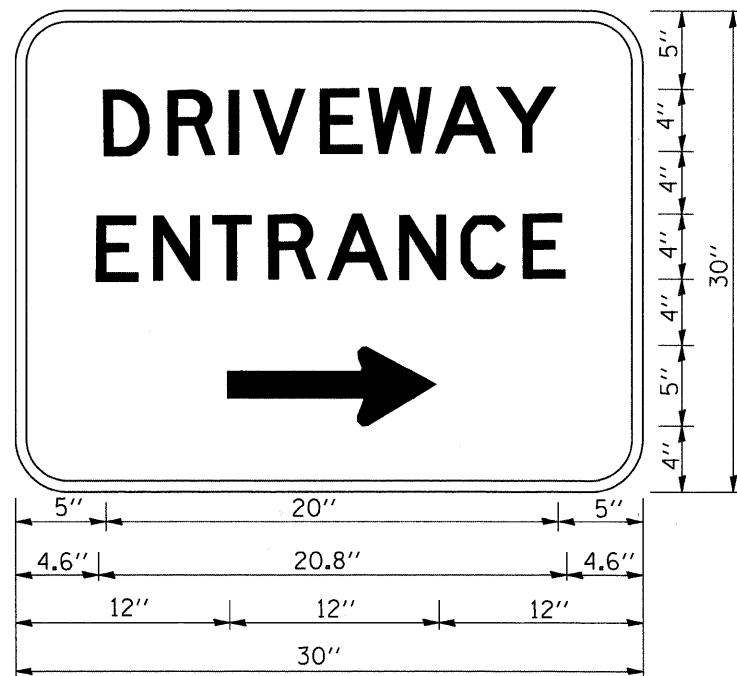


NOTES:

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

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

FILE NAME = W:\dist\td\22x34\tc22.dgn	USER NAME = goglionob	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 83
		DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	TC-22 CONTRACT NO. 63185	
		PLOT SCALE = 50,000' / IN.	REVISED - T. RAMMACHER 02-02-99		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(654)							
		PLOT DATE = 1/4/2008	REVISED - C. JUCIUS 01-31-07									

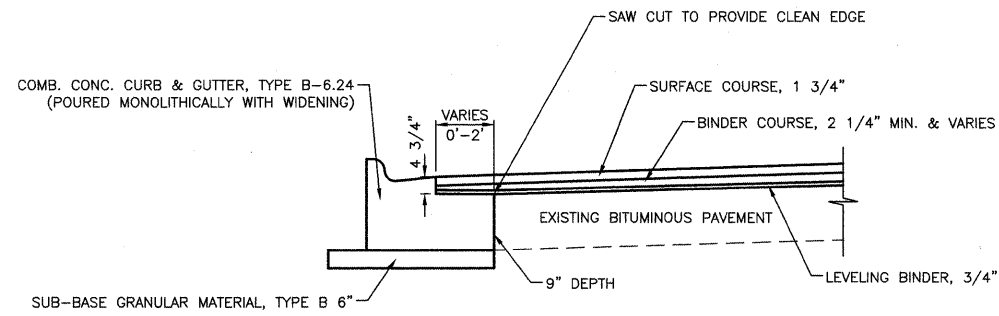


3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

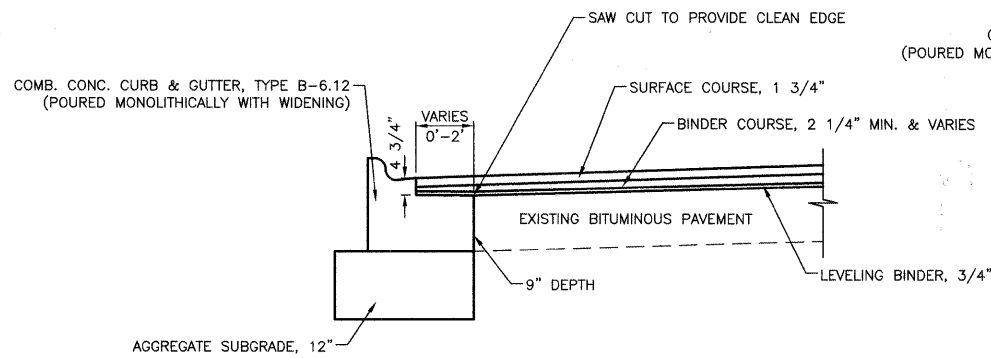
NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

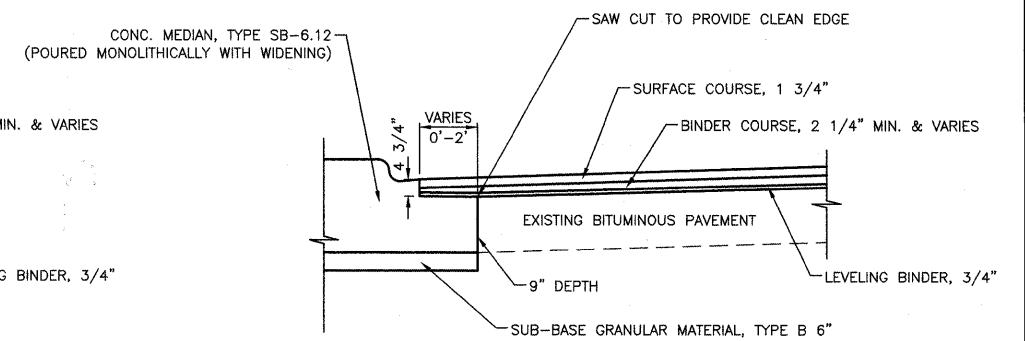
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	PLOT SCALE = 50,000' / IN.	DRAWN -	REVISED -					0326	06-00130-00-CH	WILL	116	84
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -		TC-26			CONTRACT NO. 63185				
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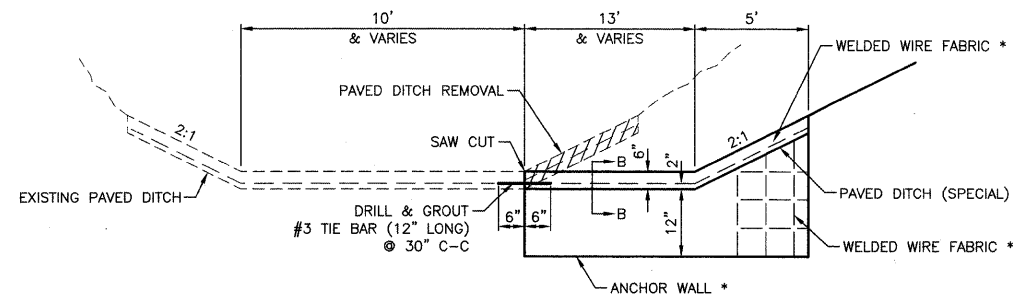
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MODIFIED)
AT LOCATIONS WHERE WIDENING IS 2' OR LESS



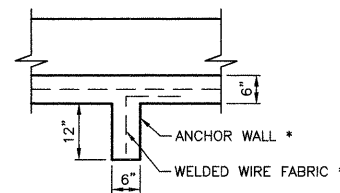
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)
AT LOCATIONS WHERE WIDENING IS 2' OR LESS



CONCRETE MEDIAN, TYPE SB-6.12
AT LOCATIONS WHERE WIDENING IS 2' OR LESS

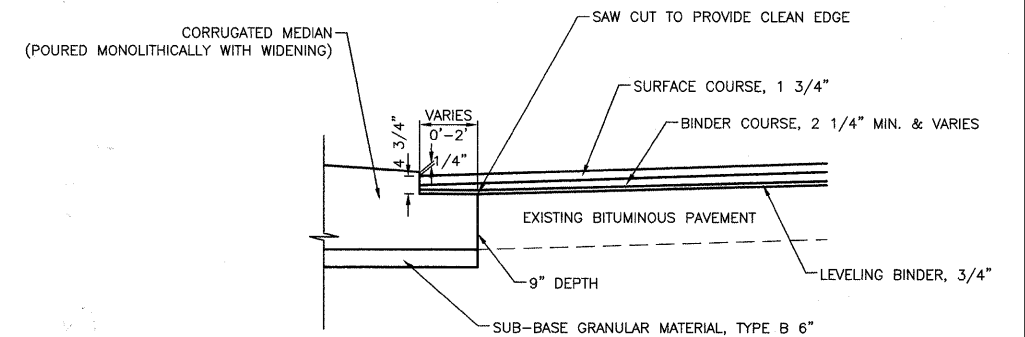


SECTION A-A
DETAIL OF PAVED DITCH (SPECIAL)

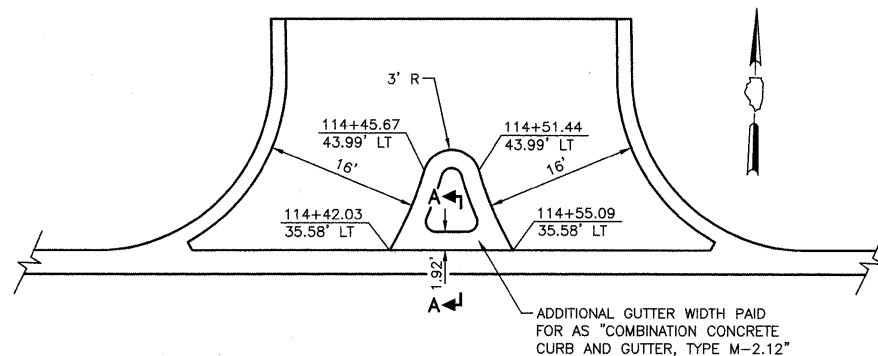


SECTION B-B
DETAIL OF ANCHOR WALL

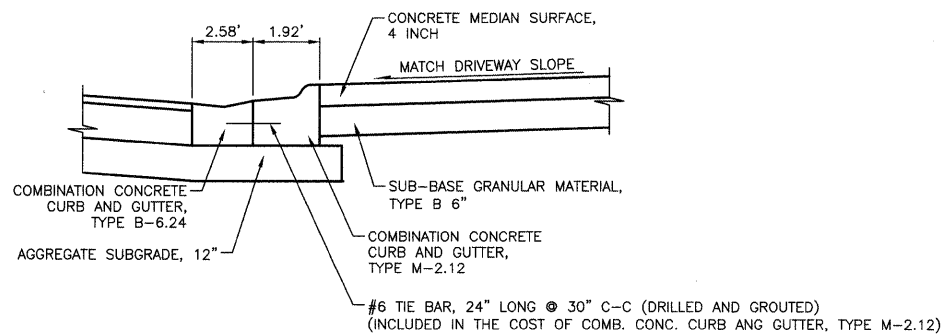
ANCHOR WALL SPACING SHALL MATCH LOCATIONS OF EXISTING ANCHOR WALL OR BE AT 50' MAXIMUM SPACING.



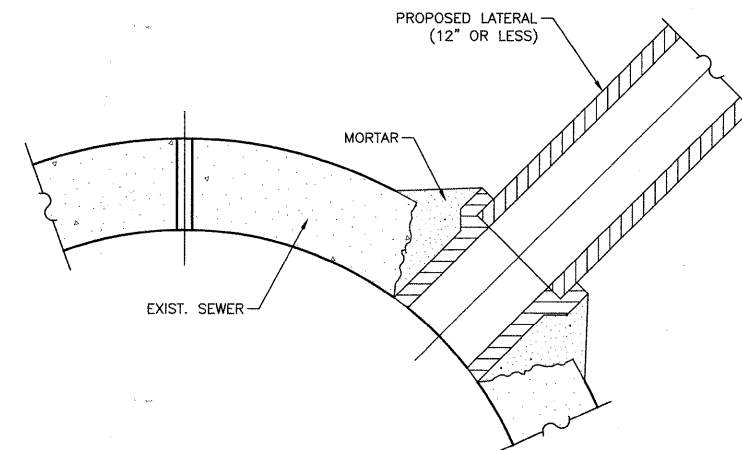
CORRUGATED MEDIAN
AT LOCATIONS WHERE WIDENING IS 2' OR LESS



CONCRETE MEDIAN DETAIL
HENNEPIN DRIVE
STA. 114+49



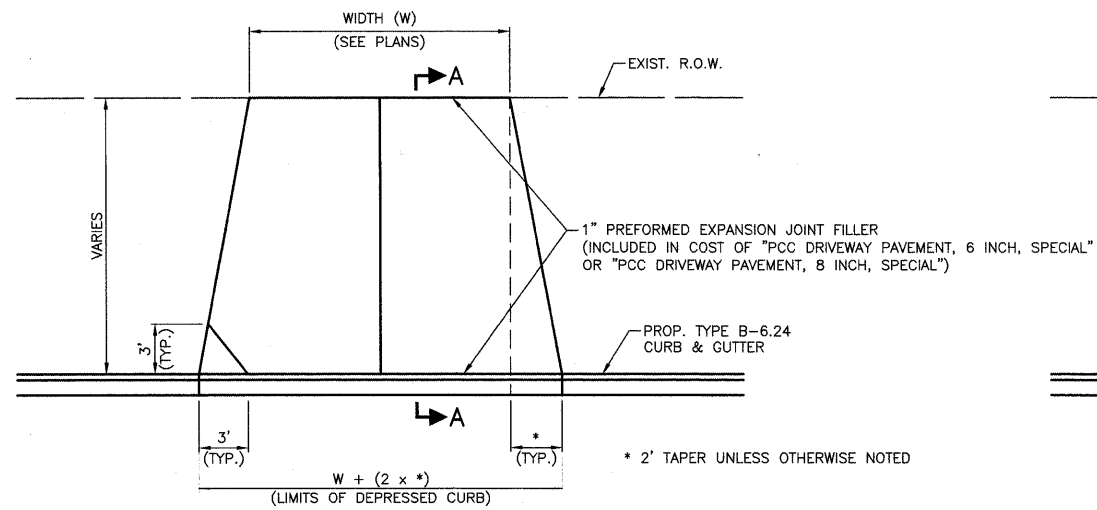
SECTION A-A
NOT TO SCALE



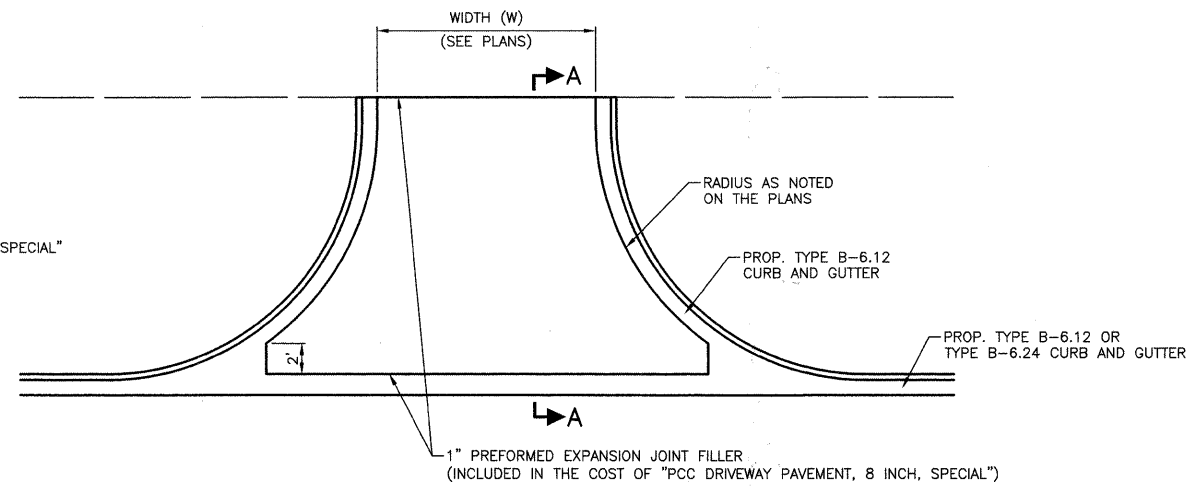
LATERAL CONNECTION DETAIL

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" OR LARGER
PROPOSED HOLE SHALL ONLY BE MADE WITH A CORE DRILL UNLESS APPROVED BY THE ENGINEER
THE COST OF MAKING THIS CONNECTION SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER BEING CONSTRUCTED.

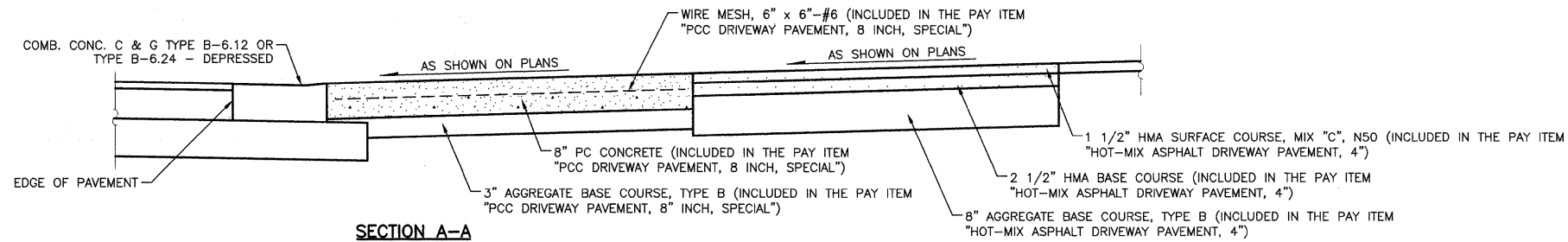
FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	85	
		CHECKED <i>DJK</i>	REVISED -			CONTRACT NO. 63185					
		DATE <i>5-29-09</i>	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					
					SCALE: NOT TO SCALE	SHEET NO. 1 OF 1 SHEETS					



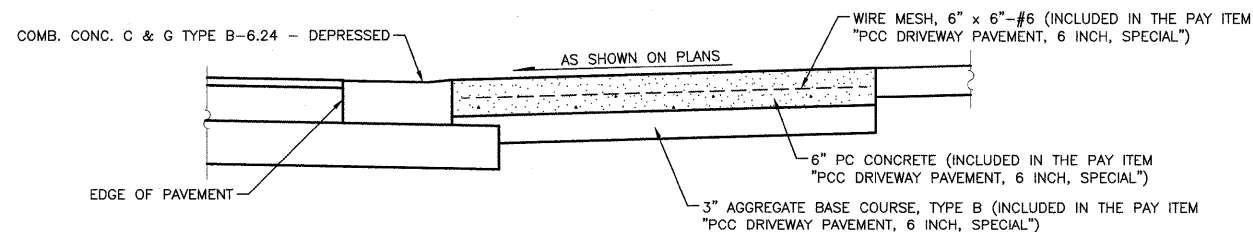
STRAIGHT TAPER PLAN VIEW



RADIUS TAPER PLAN VIEW



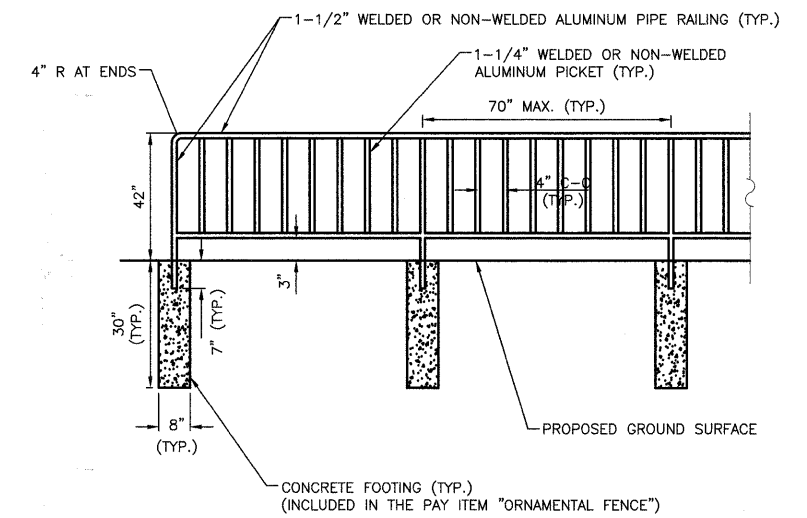
**SECTION A-A
FOR PCC DRIVEWAY PAVEMENT, 8 INCH, SPECIAL AND HMA DRIVEWAY PAVEMENT, 4"**



**SECTION A-A
FOR PCC DRIVEWAY PAVEMENT, 6 INCH, SPECIAL**

DRIVEWAY DETAILS

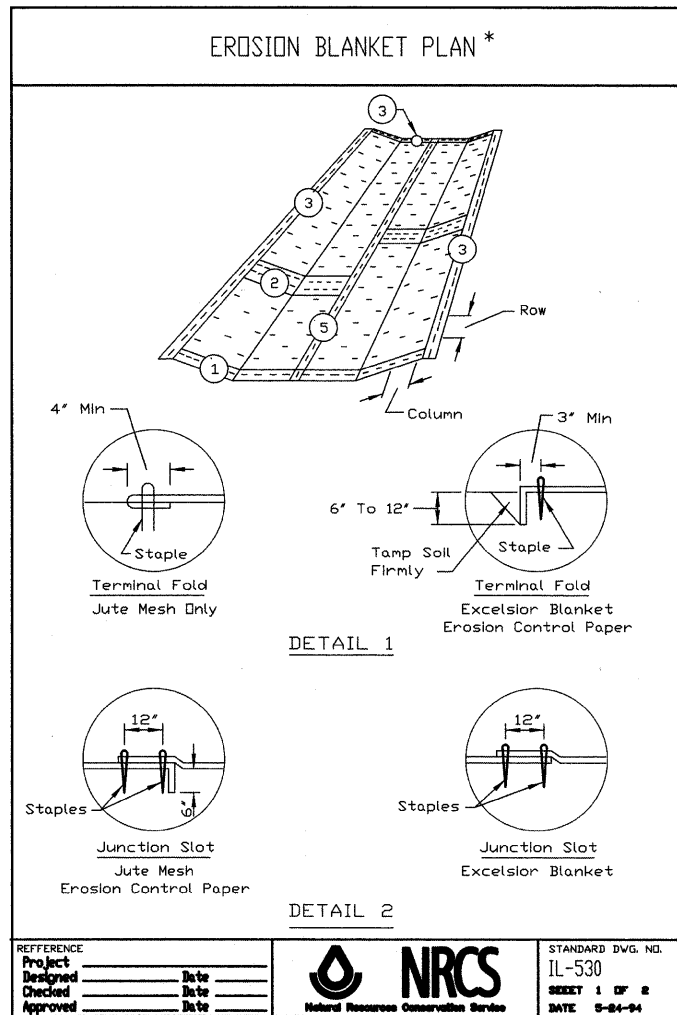
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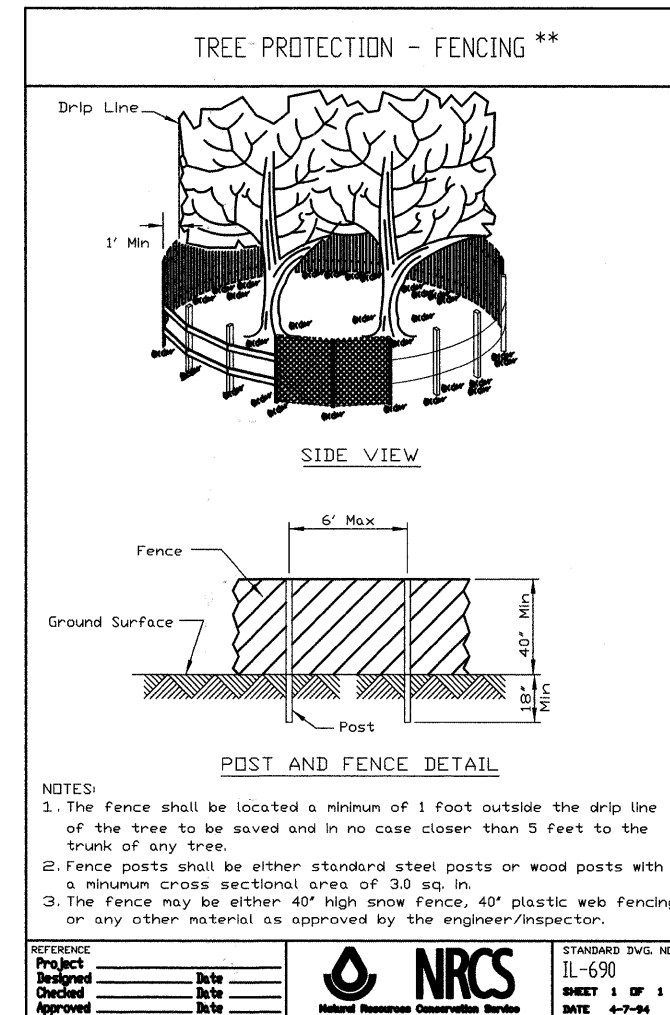
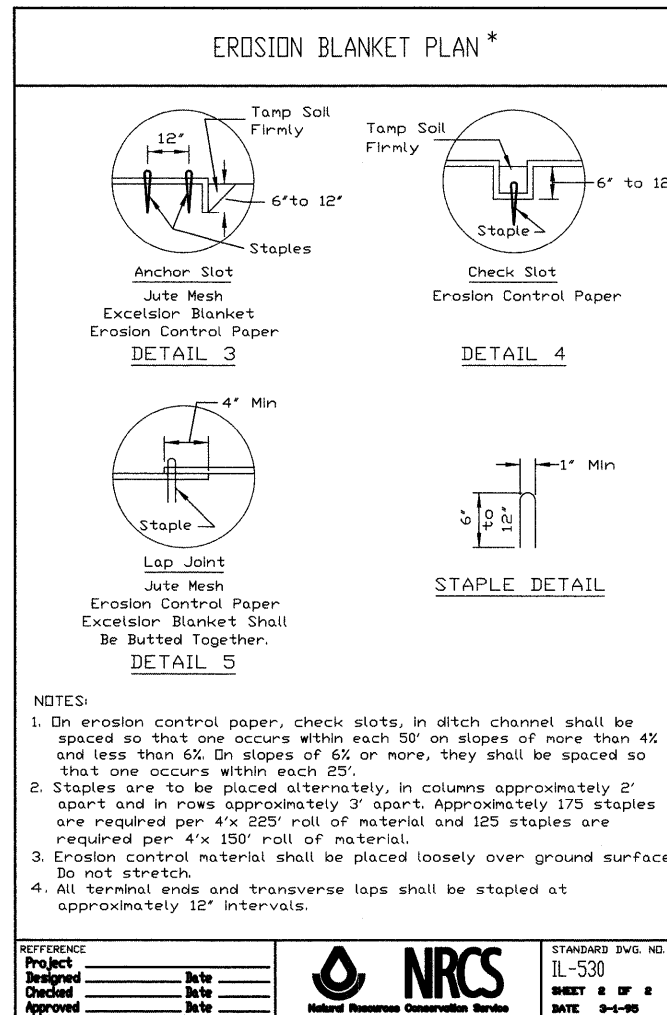
ORNAMENTAL FENCE

NOT TO SCALE

FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN BLG/KRK	REVISED --			0326	06-00130-00-CH	WILL	116	86	
	PLOT SCALE =	CHECKED DJK	REVISED --			CONTRACT NO. 63185					
	PLOT DATE =	DATE 5-29-09	REVISED --			SCALE: NOT TO SCALE SHEET NO. 1 OF 1 SHEETS		FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT M-8003(654)	

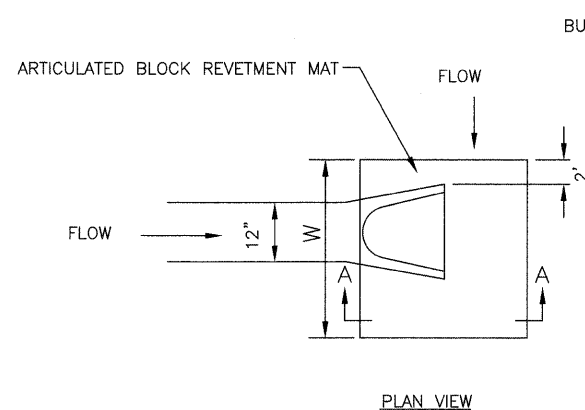


* PAID FOR AS "EROSION CONTROL BLANKET"

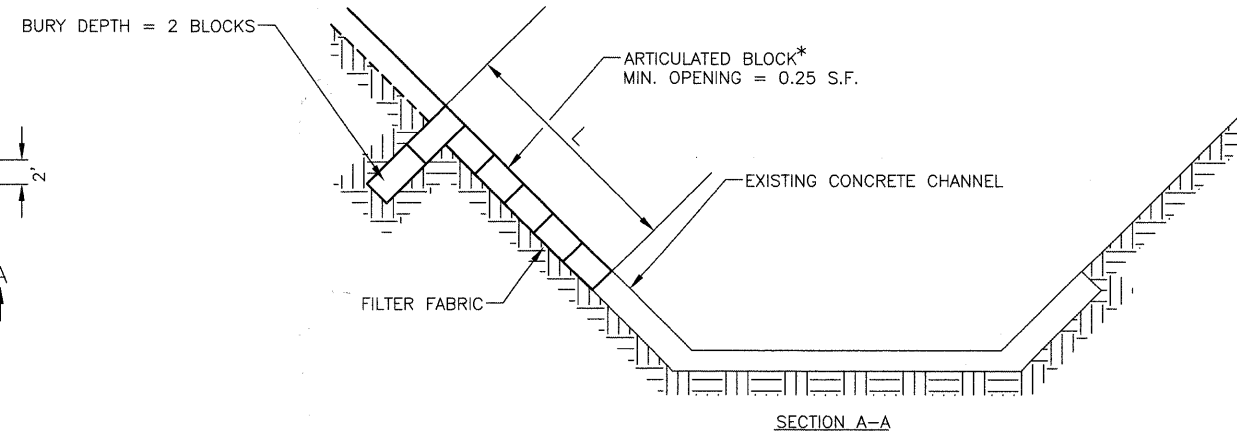


** PAID FOR AS "TEMPORARY FENCE"

ARTICULATED BLOCK REVETMENT MAT DETAILS					
STRUCTURE NUMBER	STA.	LOCATION OFFSET	W (FEET)	L (FEET)	QUANTITY (SQ. YD.)
61	112+74.29	54.9' RT	8	12	11
66	114+49.72	55.5' RT	8	11	10
71	116+24.59	52.9' RT	8	13	12
76	119+99.54	52.6' RT	8	13	12



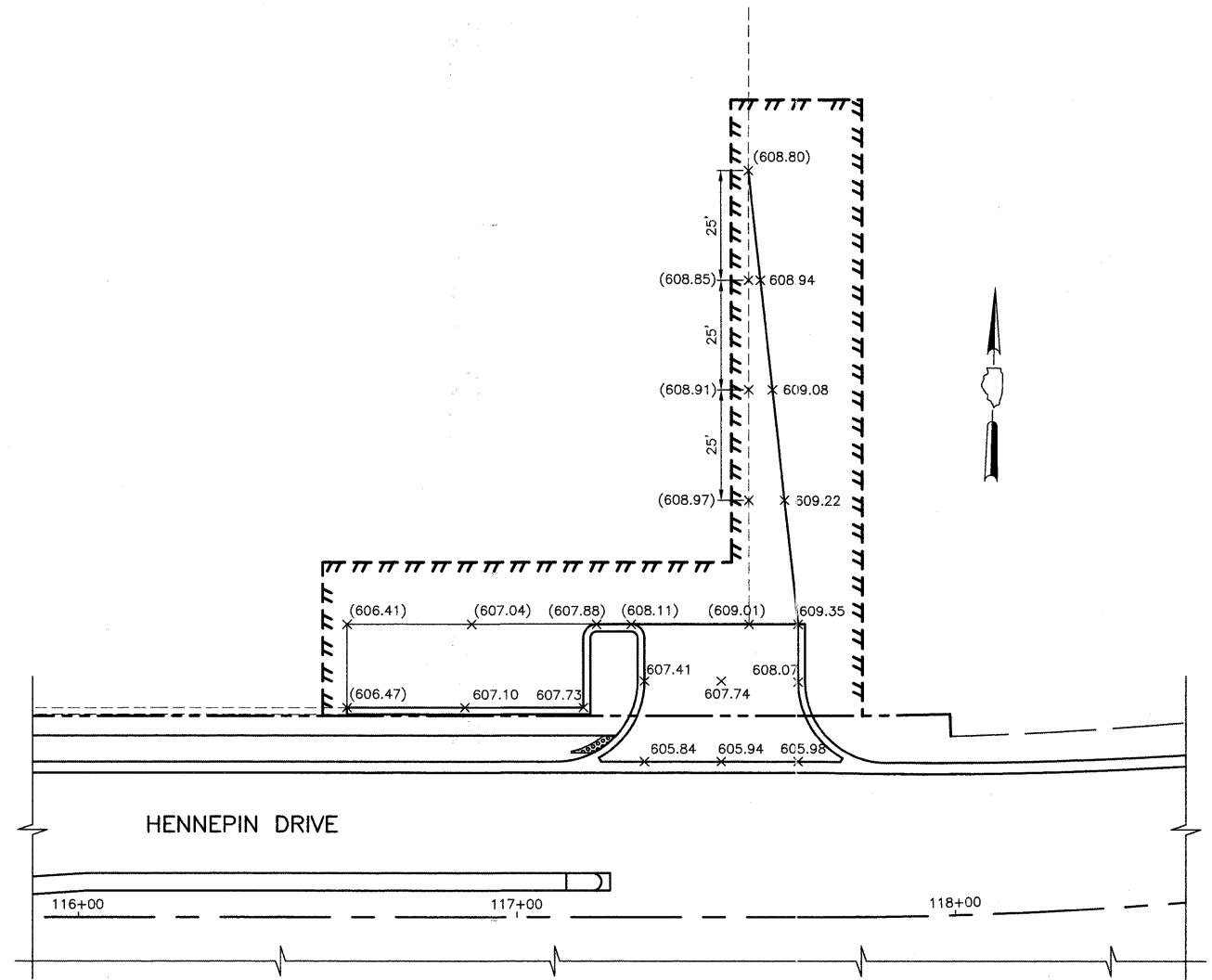
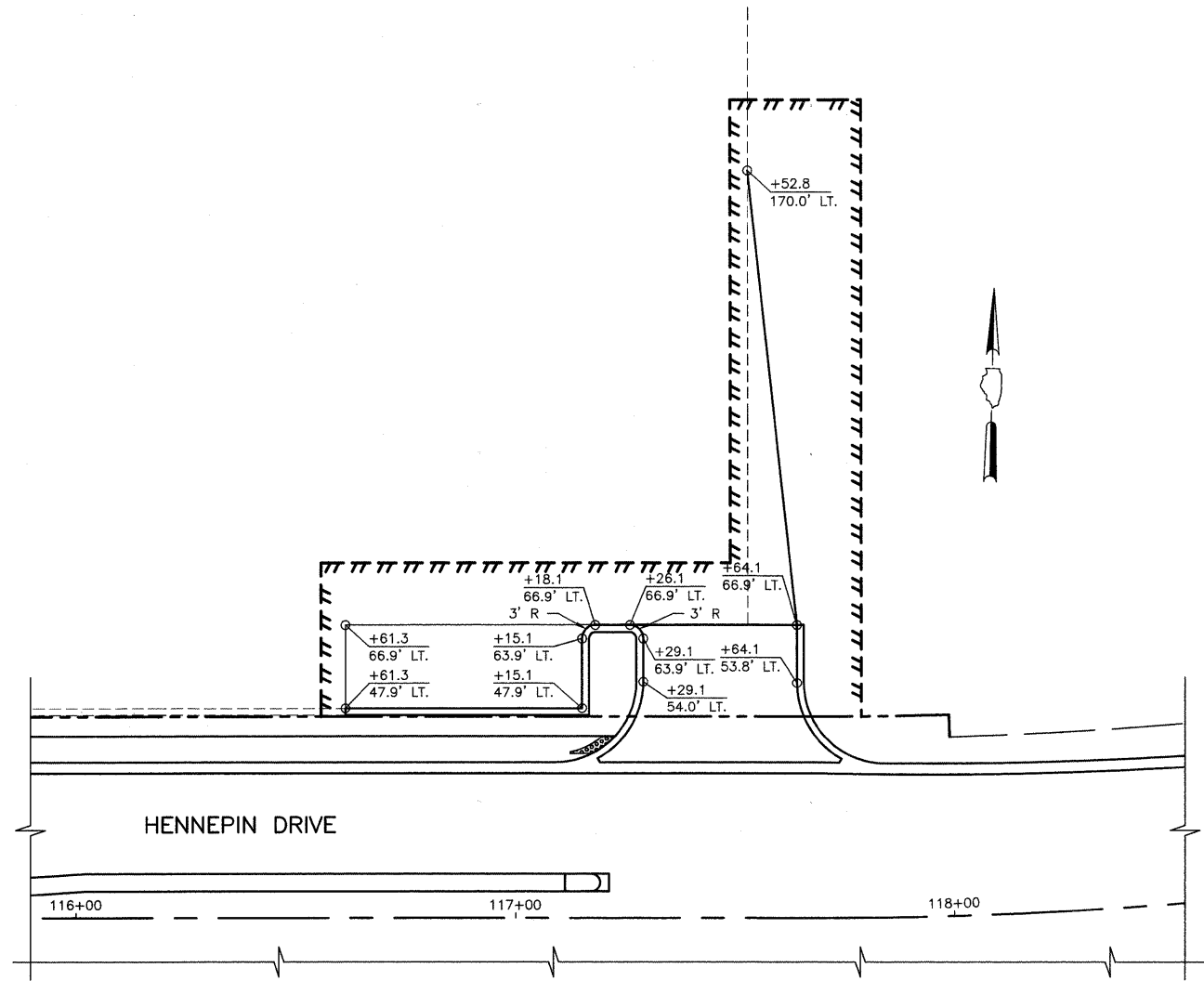
ARTICULATED BLOCK REVETMENT MAT DETAIL
NOT TO SCALE



* INCLUDED IN THE COST OF ARTICULATED BLOCK REVETMENT MAT

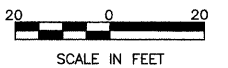
PLAN	DESIGNED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	DESIGNED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	B.M. NOTED	
	STRUCTURE	
	NOTATION	
	CHANGED	
	NO.	



LEGEND

- XXX.XX PROPOSED PAVEMENT ELEVATION
- (XXX.XX) EXISTING PAVEMENT ELEVATION



FILE NAME =	USER NAME =	DESIGNED BLG/KRK	REVISED --
		DRAWN BLG/KRK	REVISED --
	PLOT SCALE =	CHECKED DJK	REVISED --
	PLOT DATE =	DATE 5-29-09	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAIL
HENNEPIN DRIVE**

SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 116+00 TO STA. 121+29.75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	88
CONTRACT NO. 63185				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT M-8003(654)	

Benchmark:
TBM #3 Box cut in southeast corner of concrete pad of 2 electric transformers in the Northwest quadrant of the intersection of Essington Road & Hennepin Drive, Elevation 604.12

Existing Structure:
Structure No. 099-6468 consists of (3) 87"x63" CMP Arches. Traffic on Essington Road is to be detoured during construction.

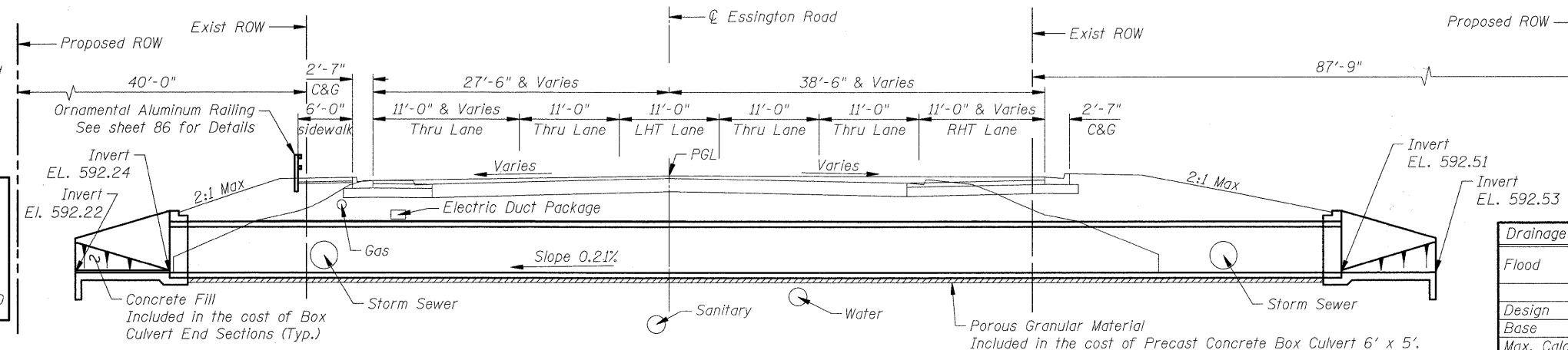
Salvage: None

SUNNYLAND DRAIN
BUILT 20__ BY
CITY OF JOLIET
SECTION 06-00130-00-CH
F.A.U. RT. 0326 STA. 142+63
STR. NO. 099-6469 LOADING HS20

NAME PLATE
See Std. 515001

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 0326	06-00130-00-CH	WILL	116	89
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	M-8003(654)	

Contract #63185



INDEX OF CULVERT DRAWINGS

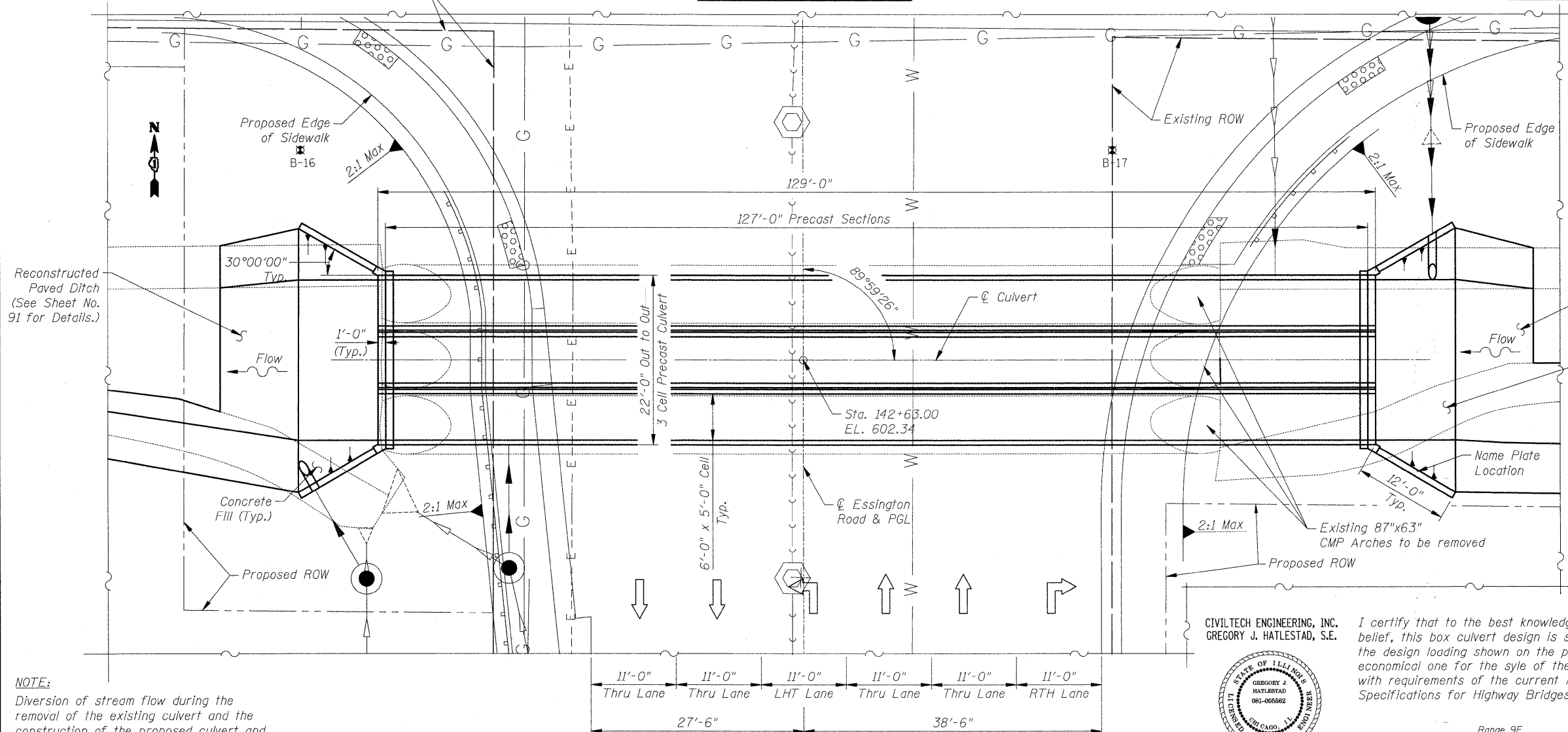
- C1 General Plan & Elevation
- C2 Culvert Details I
- C3 Culvert Details II
- C4 Soil Boring Logs

WATERWAY INFORMATION

Drainage Area = 2.07 sq miles Low Grade Elev. 602.21 @ Sta. 142+00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	200	40.32	30.80	594.42	0.52	0.49	594.94	594.91
Base	50	365	77.31	69.70	596.38	0.60	0.41	596.98	596.79
Max. Calc.	100	460	93.00	90.00	598.34	0.95	0.63	599.29	598.97
	500	770	93.00	90.00	600.01	2.52	2.01	602.53	602.02

LONGITUDINAL SECTION



TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Pipe Culvert Removal	Foot	327
Box Culvert End Sections	Each	2
Precast Concrete Box Culvert 6' x 5'	Foot	381
Name Plates	Each	1

DESIGN SPECIFICATIONS

2002 AASHTO

DESIGN STRESSES

FIELD UNITS

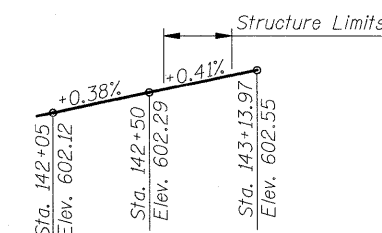
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 5,000 psi
fy = 65,000 psi (Welded Wire Fabric)

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface



PROPOSED PROFILE GRADE
ESSINGTON ROAD
(Along PGL)

C1 of C4

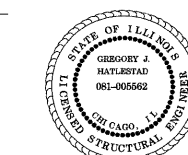
NOTE:
Diversion of stream flow during the removal of the existing culvert and the construction of the proposed culvert and all required erosion control measures shall be included in the cost of Precast Concrete Box Culvert 6' x 5'. (See Sheet No. 33 for details.)

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
- Precast concrete box culvert sections shall conform to the requirements of Article 540.06 of the Standard Specifications and the applicable requirements of AASHTO M259.
- Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.

PLAN

CIVILTECH ENGINEERING, INC.
GREGORY J. HATLESTAD, S.E.

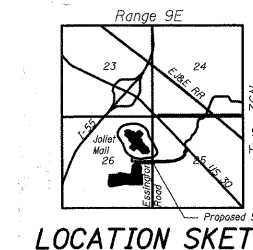


GREGORY J. HATLESTAD, S.E.
081-005562

EXP 6/30/10

DATE 5/27/09

I certify that to the best knowledge, information and belief, this box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of the structure and complies with requirements of the current AASHTO Standard Specifications for Highway Bridges.



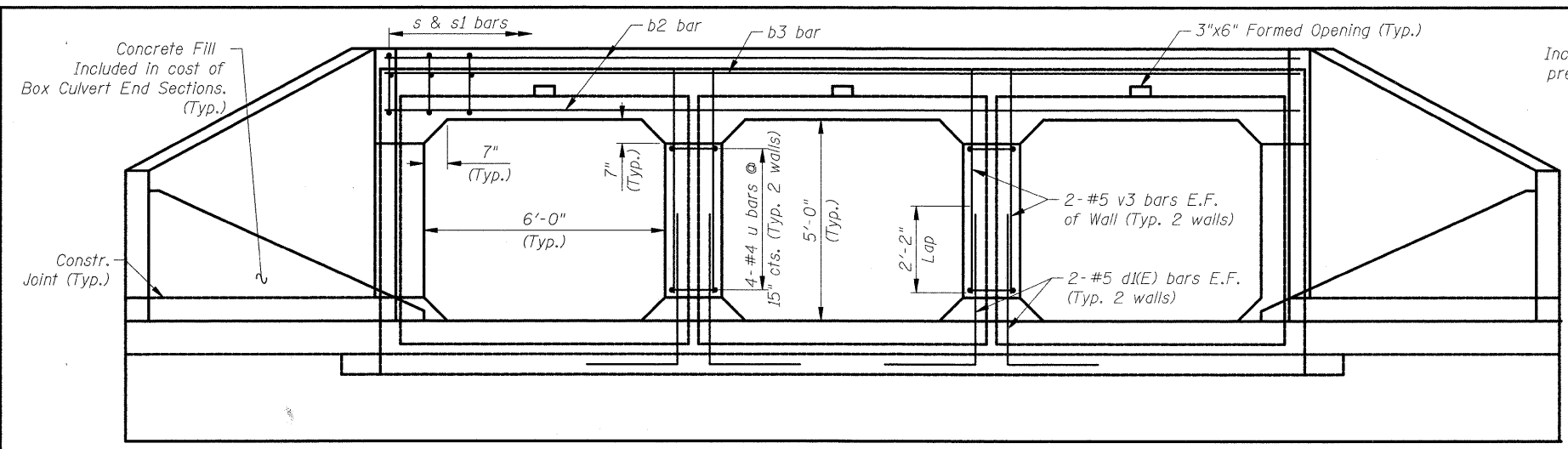
LOCATION SKETCH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
GENERAL PLAN & ELEVATION
ESSINGTON ROAD OVER SUNNYLAND DRAIN
STATION 142+63.00
SECTION 06-00130-00-CH WILL COUNTY
STRUCTURE 099-6469

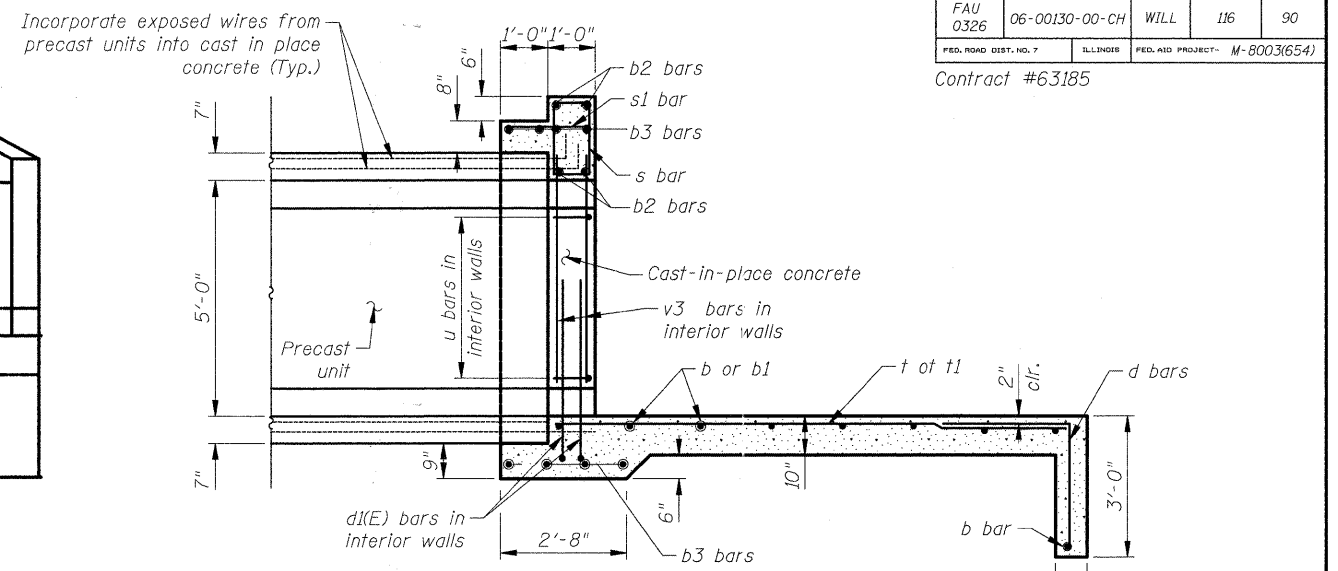
Scale: None
Date: May 29, 2009
By: M. Lange
Checked: G. Hatlestad

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 0326	06-00130-00-CH	WILL	116	90
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	M-8003(654)	

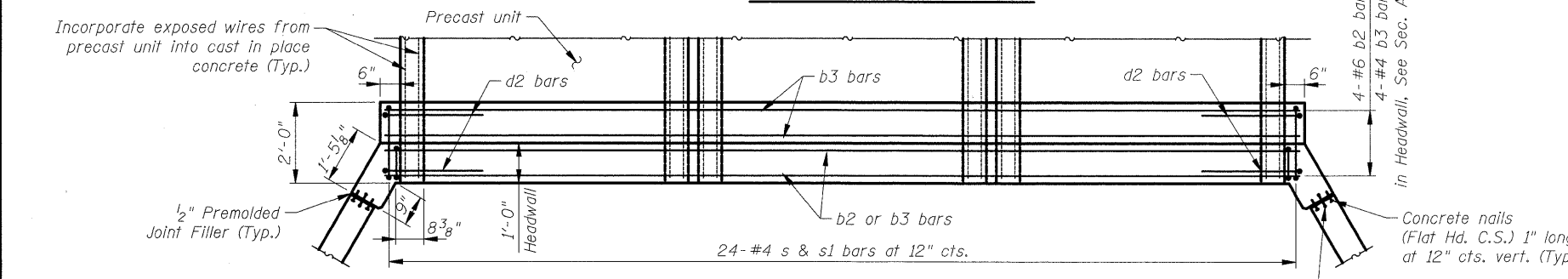
Contract #63185



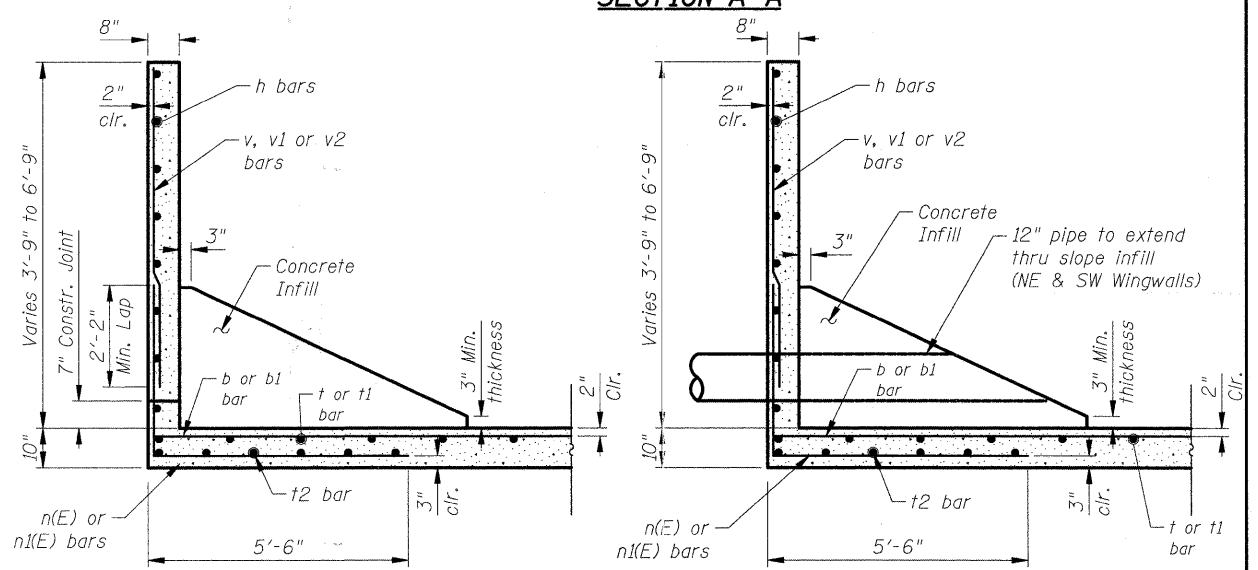
END VIEW - ELEVATION



SECTION A-A

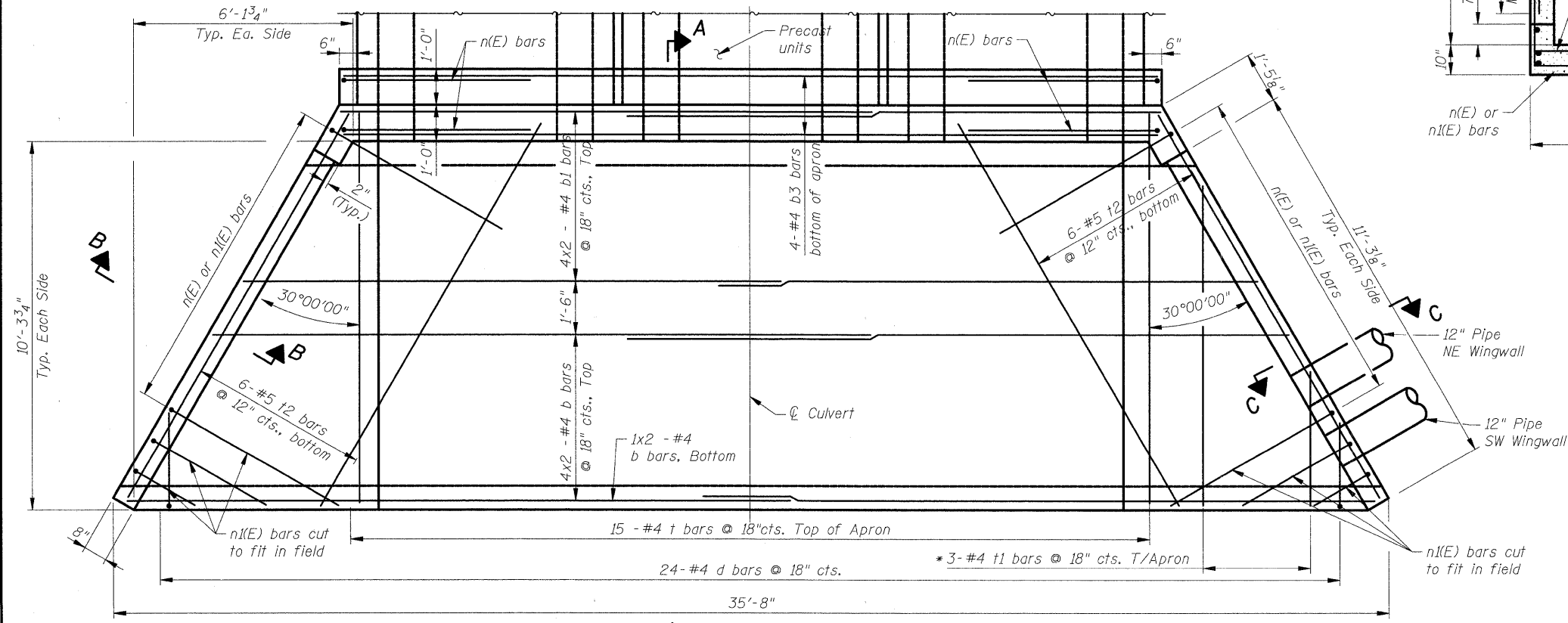


HEADWALL & CORNER DETAIL - PLAN



SECTION B-B

SECTION C-C



PARTIAL PLAN

West End similar, except rotated 180°
* Remainder to be used on opposite side

C2 of C4

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
CULVERT DETAILS I

ESSINGTON ROAD OVER SUNNYLAND DRAIN
STATION 142+63.00
SECTION 06-00130-00-CH WILL COUNTY
STRUCTURE 099-6469

Scale: None
Date: May 29, 2009

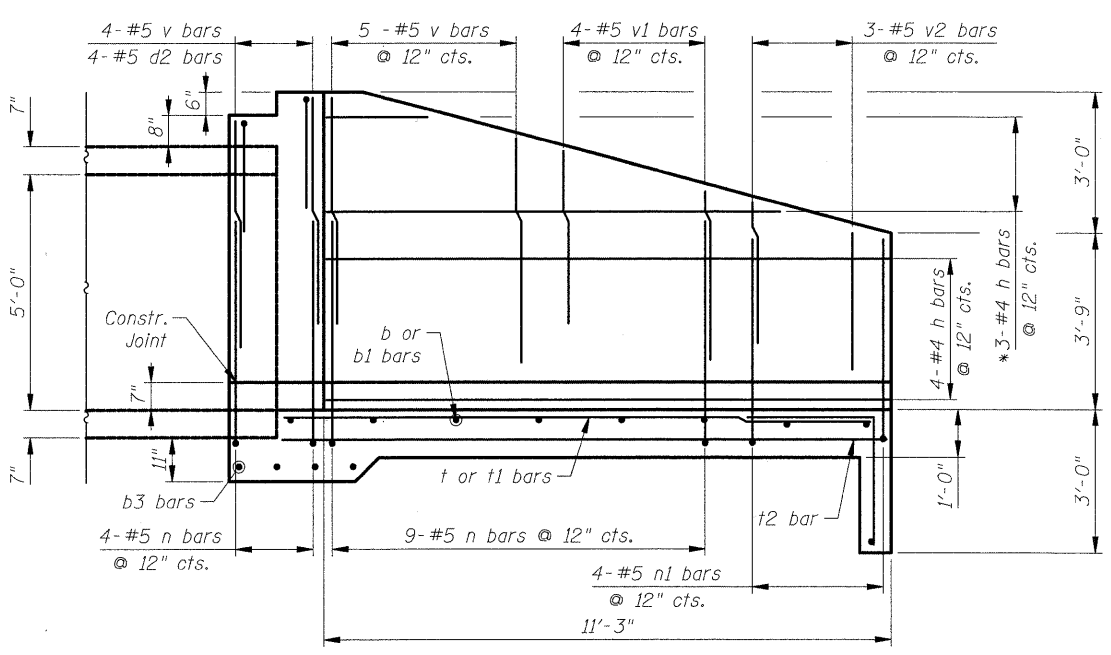
By: M. Lange
Checked: G. Hatlestad

CIVILTECH

450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

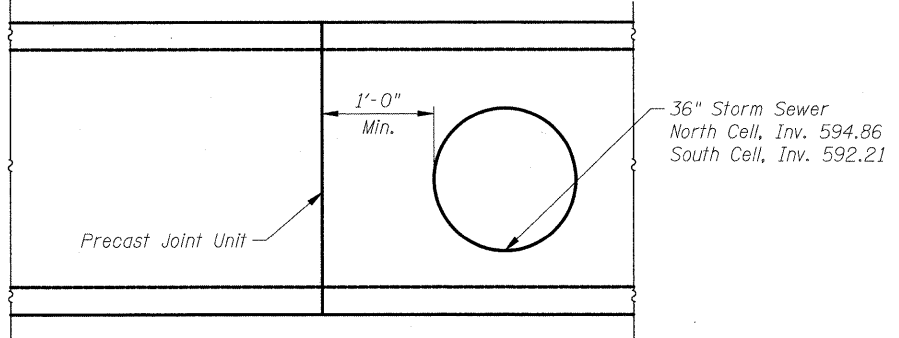
9/19/02 AM 5/27/2009 J:\2145\CAD\Struct\02_culvert_details.dgn

Contract #63185

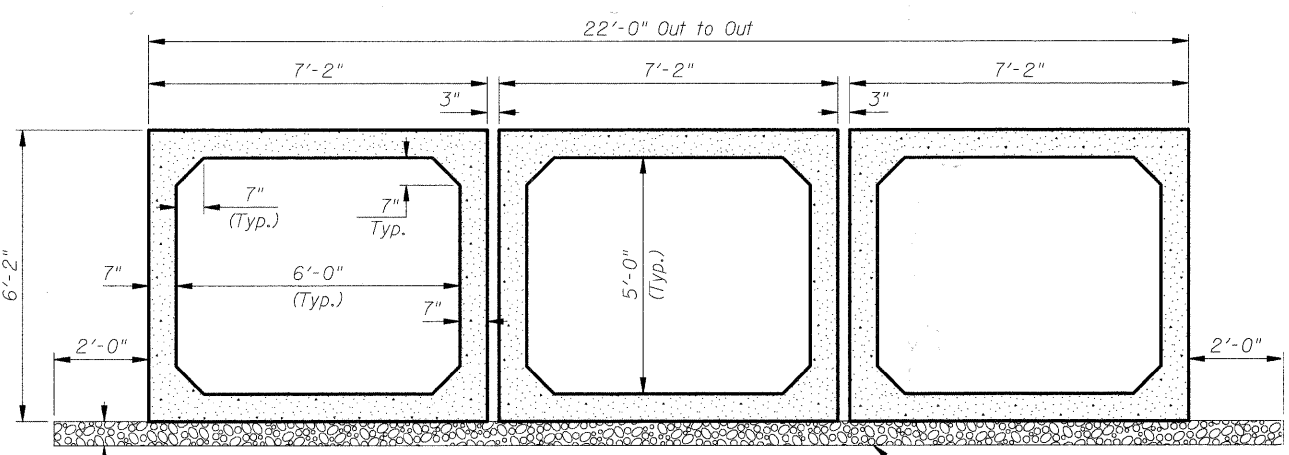


SE & NW WINGWALLS

Looking at Back Face
* Remainder to used on opposite wingwall

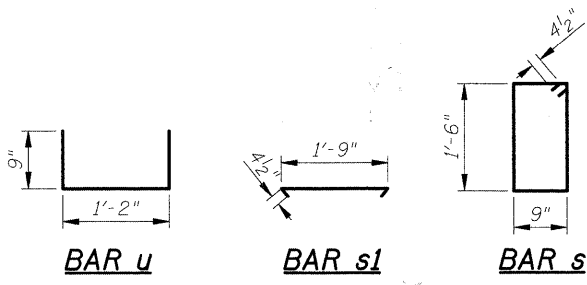


OPENINGS IN PRECAST CELLS



SECTION THRU BARREL

Porous Granular Material Included in cost of Precast Concrete Box Culvert 6' x 5'.



BAR LIST

(For 2 Box Culvert End Sections)

BAR	NO.	SIZE	LENGTH	SHAPE
b	20	#4	18'-4"	—
b1	16	#4	14'-10"	—
b2	8	#6	22'-8"	—
b3	16	#4	22'-8"	—
d	48	#4	5'-4"	L
d1(E)	16	#5	6'-3"	L
d2	16	#5	4'-8"	L
h	22	#5	10'-11"	—
n(E)	52	#5	10'-2"	L
n1(E)	16	#5	9'-9"	L
s	48	#4	5'-3"	□
s1	48	#4	2'-6"	└
t	30	#4	11'-0"	—
t1	6	#4	13'-5"	—
t2	24	#5	12'-2"	—
u	16	#4	2'-8"	└
v	36	#5	4'-9"	—
v1	16	#5	3'-7"	—
v2	12	#5	3'-0"	—
v3	16	#5	5'-5"	—
v4	6	#5	2'-0"	—

ITEM	UNIT	QUANTITY
*** Concrete Structures	Cu. Yd.	37.4
*** Reinforcement Bars	Pound	2,690
*** Reinforcement Bars, Epoxy Coated	Pound	830

*** Quantities for information only. Cost included with cost of Box Culvert End Sections.

BAR	A	B
d	2'-8"	2'-8"
d1(E)	4'-0"	2'-3"
d2	2'-4"	2'-4"
n(E)	4'-9"	5'-5"
n1(E)	4'-4"	5'-5"

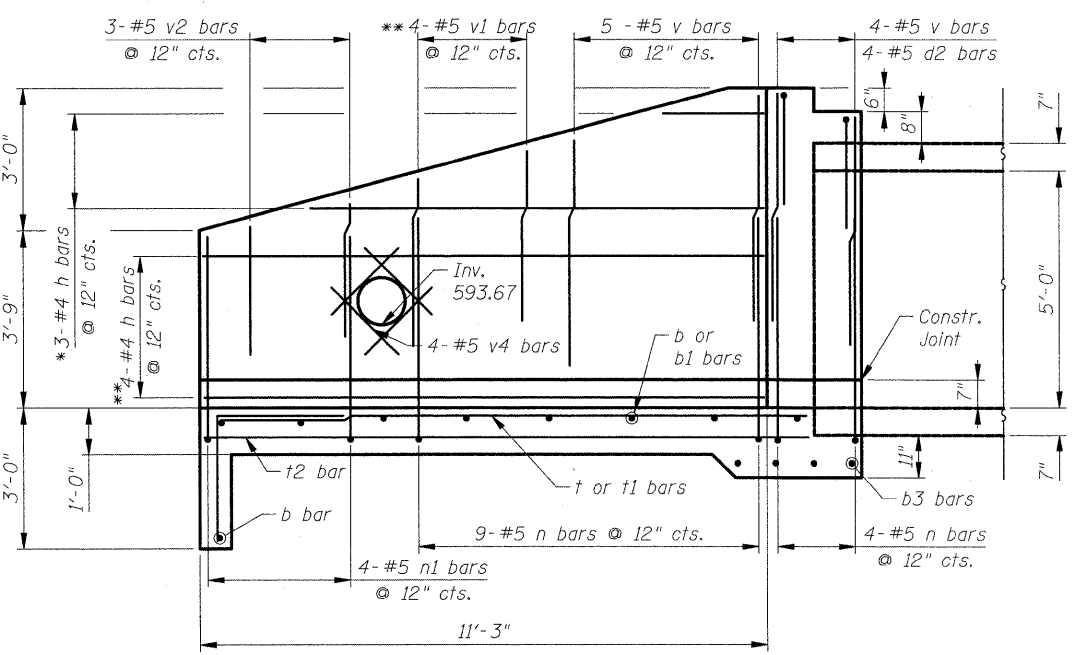
BAR d, d1(E), n(E) & n1(E)

C3 of C4

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
CULVERT DETAILS II

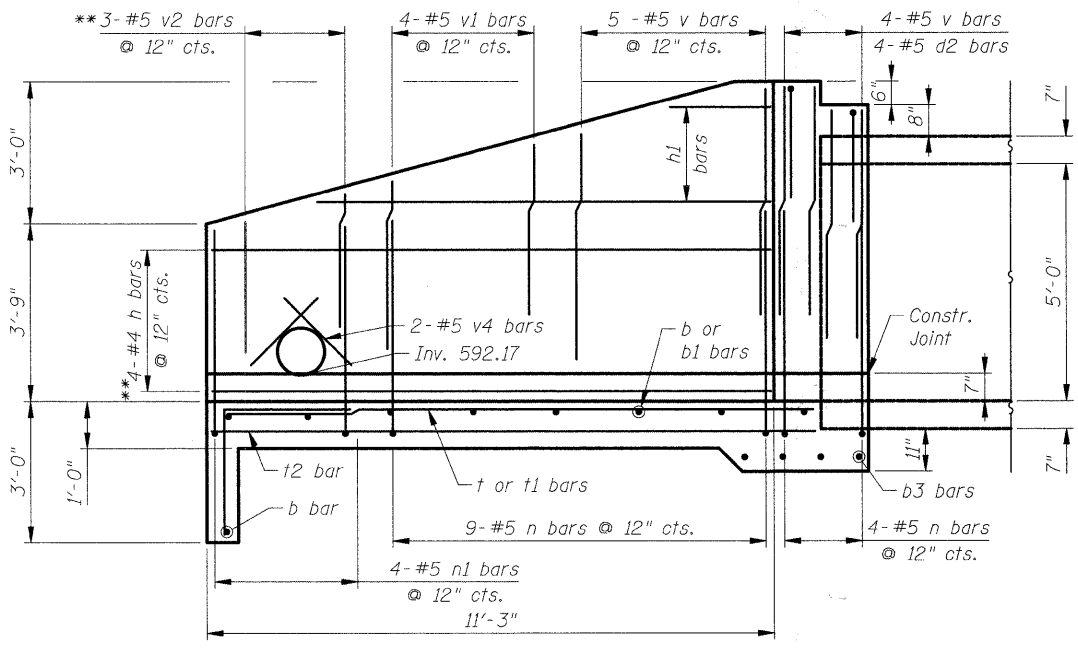
ESSINGTON ROAD OVER SUNNYLAND DRAIN
STATION 142+63.00
SECTION 06-00130-00-CH WILL COUNTY
STRUCTURE 099-6469

Scale: None
Date: May 29, 2009
By: M. Lange
Checked: G. Hatlestad



NE WINGWALL

Looking at Back Face
* Remainder to used on opposite wingwall
** Adjust bars around opening



SW WINGWALL

Looking at Back Face
** Adjust bars around opening

J:\2145\CAD\Struct\03_culvert_details.dgn 9/20/09 9:20:51 AM

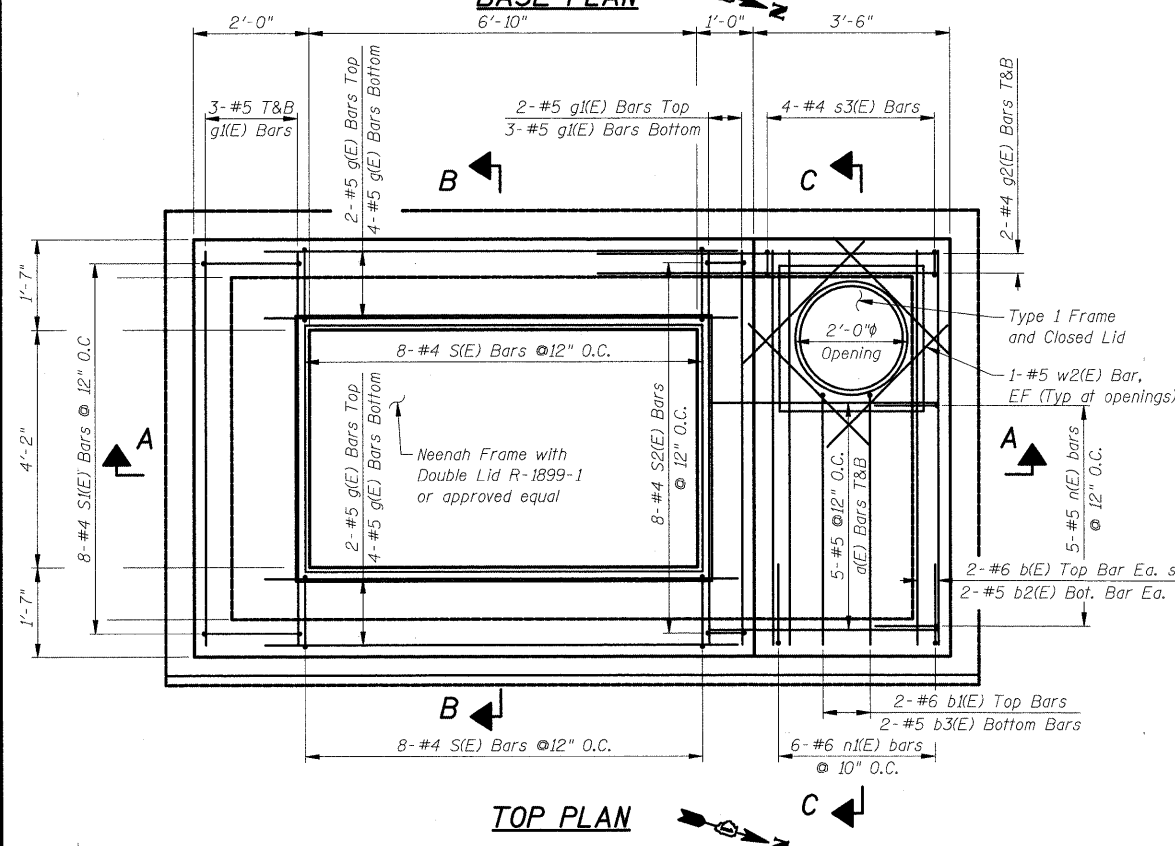
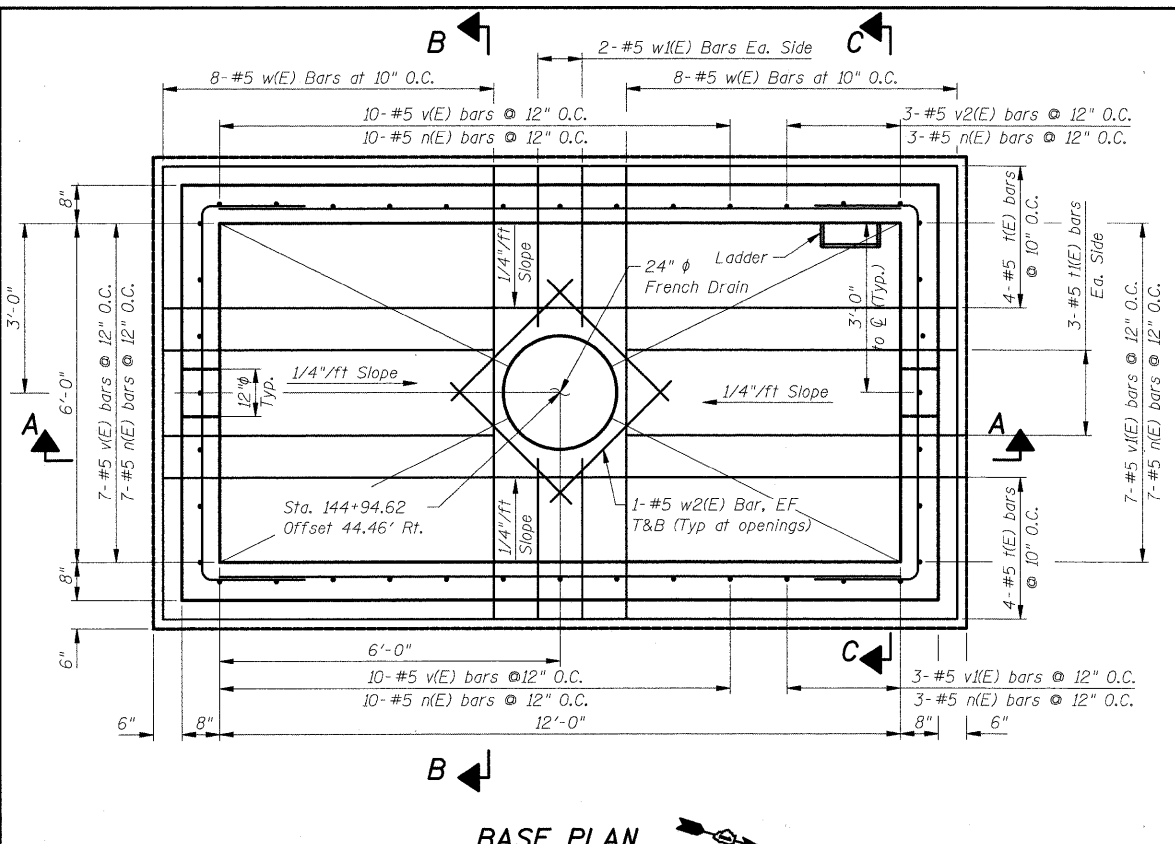
CIVILTECH
450 E Devon Ave, Suite 300
Itasca, Illinois 60143
Tel: 630.773.3900 Fax: 630.773.3975
www.civiltechinc.com

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 0326	06-00130-00-CH	WILL	116	92
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT -	M-8003(654)	

Contract #63185

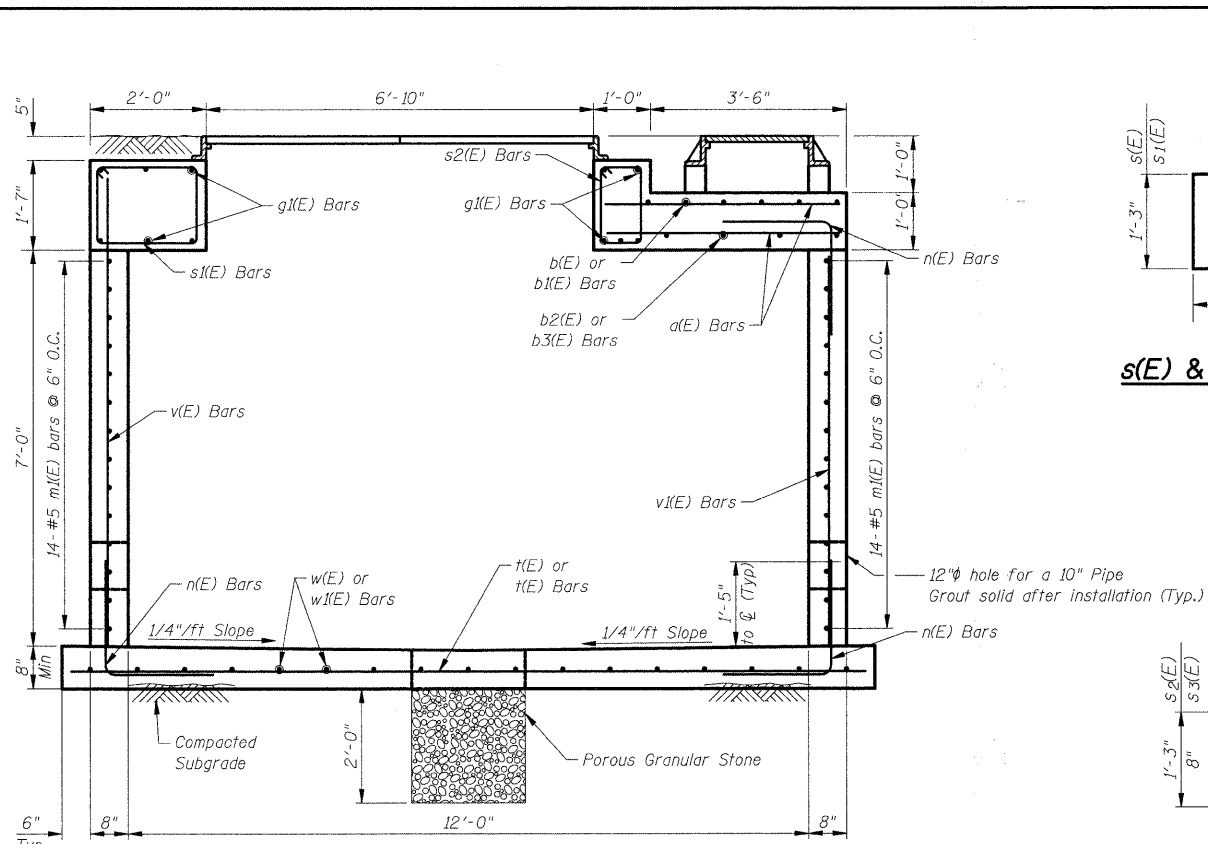
MSET PROJECT NO.: 88239		LOG OF BORING NO. B-16		Page 1 of 2		
PROJECT: Essington Road Culverts		SITE LOCATION: Joliet, Illinois		CLIENT: Civiltech Engineering, Inc.		
BORING LOCATION: Essington Rd., Sta. 143+00, 65' L						
DEPTH (feet)	SOIL TYPE	MATERIAL DESCRIPTION	Elevation	SAMPLE TYPE/ INTERVAL	TESTS	REMARKS
		Ground Surface	601±			
0		±12" Dark Brown Silty CLAY/ TOPSOIL				
1	SS	Dark Brown and Grey Gravelly Clay LOAM: FILL		1 19 8	4.5+ (Qp)	
2	SS	to Brown and Grey Silty CLAY, A-6: FILL		2 12 14	3.0 (Qp)	
3	SS			3 11 21	3.68	
4	SS	Olive-Grey Silty Clay LOAM		4 6 23	1.05	
5	SS	Yellow-Brown Gravelly Clay LOAM, A-6, moist				
6	SS	Grey Silty CLAY, A-6		5 6 18	1.01	
7	SS			6 6 16	1.28	
8	SS	Grey SAND (f-c) and GRAVEL, A-1		7 27 8		
9	SS			8 21 8		
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Contract #63185

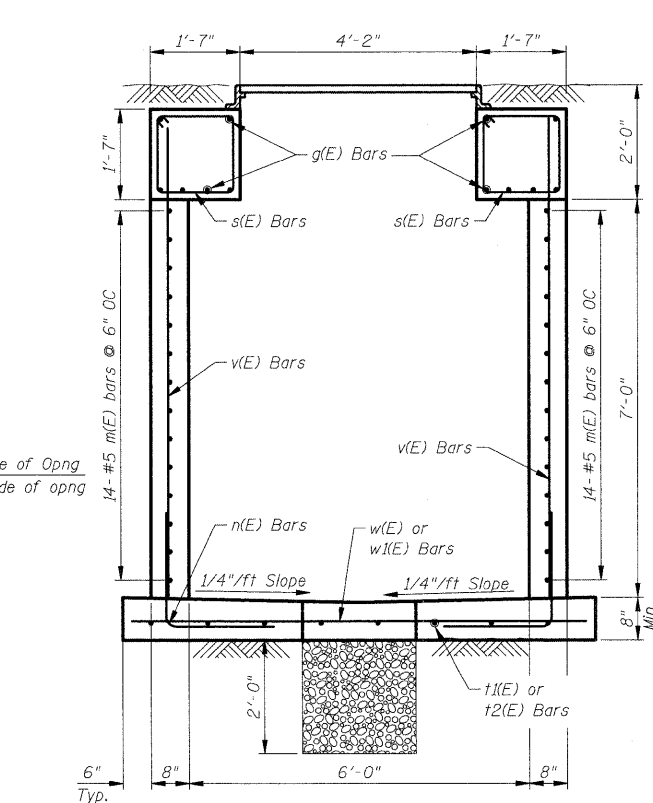


NOTES:

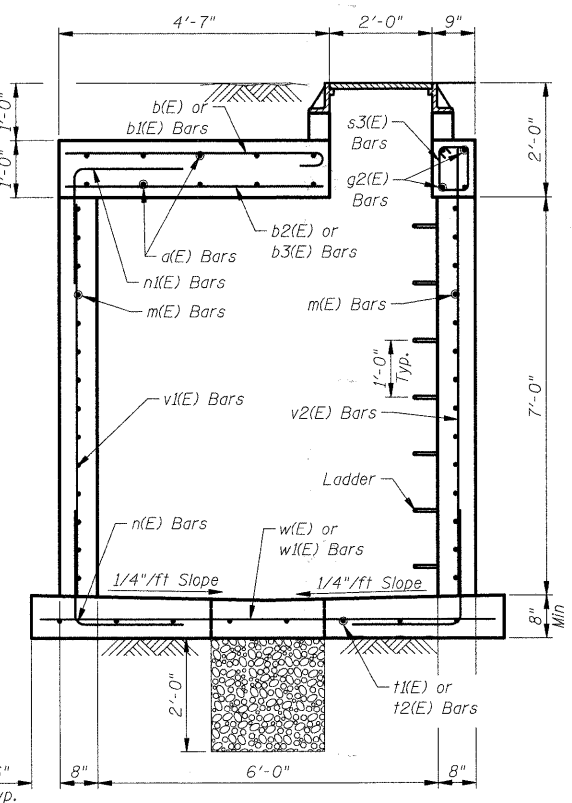
1. Reinforcement bars designated (e) shall be epoxy coated.
2. At contractor's option, vault can be precast. Submit signed and sealed calculations by an SE in the State of Illinois and shop drawings for approval.
3. See standard 602701 for details of manhole steps.



SECTION A-A



SECTION B-B



SECTION C-C

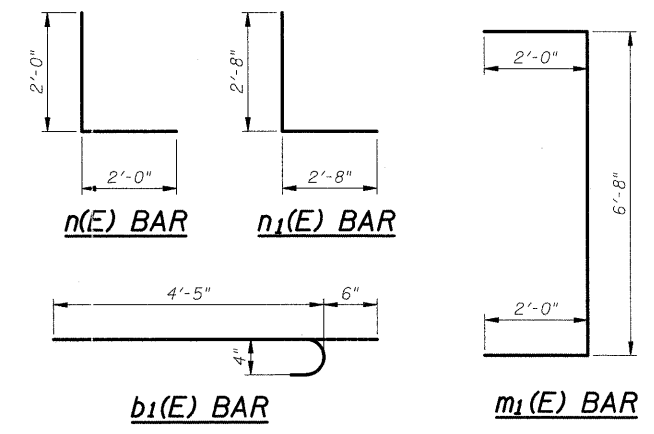
s(E) & s1(E) BARS

s2(E) & s3(E) BARS

BAR LIST

BAR	NO.	SIZE	LENGTH	SHAPE
d(E)	10	#5	4'-2"	—
b(E)	4	#6	6'-11"	—
b1(E)	2	#6	4'-11"	—
b2(E)	4	#5	6'-11"	—
b3(E)	2	#5	4'-5"	—
g(E)	12	#5	8'-4"	—
g1(E)	11	#5	6'-10"	—
g2(E)	4	#5	6'-0"	—
m(E)	28	#5	12'-0"	—
m1(E)	28	#5	10'-8"	—
n(E)	45	#5	4'-0"	L
n1(E)	6	#6	5'-4"	L
s(E)	16	#4	5'-9"	□
s1(E)	8	#4	6'-8"	□
s2(E)	8	#4	4'-7"	□
s3(E)	4	#4	2'-11"	□
t(E)	8	#5	14'-0"	—
t1(E)	6	#5	5'-10"	—
v(E)	27	#5	8'-4"	—
v1(E)	10	#5	6'-8"	—
v2(E)	3	#5	7'-8"	—
w(E)	16	#5	8'-0"	—
w1(E)	4	#5	2'-10"	—
w2(E)	16	#5	2'-10"	—
ITEM		UNIT	QUANTITY	
* Concrete Structures		Cu. Yd.	13.1	
* Reinforcement Bars, Epoxy Coated		Pound	2070	

* For information only



WATER METER VAULT
 STA. 144+94.62 TO ϕ OF VAULT
 OFFSET 44.46' RT. TO ϕ OF VAULT

BILL OF MATERIAL

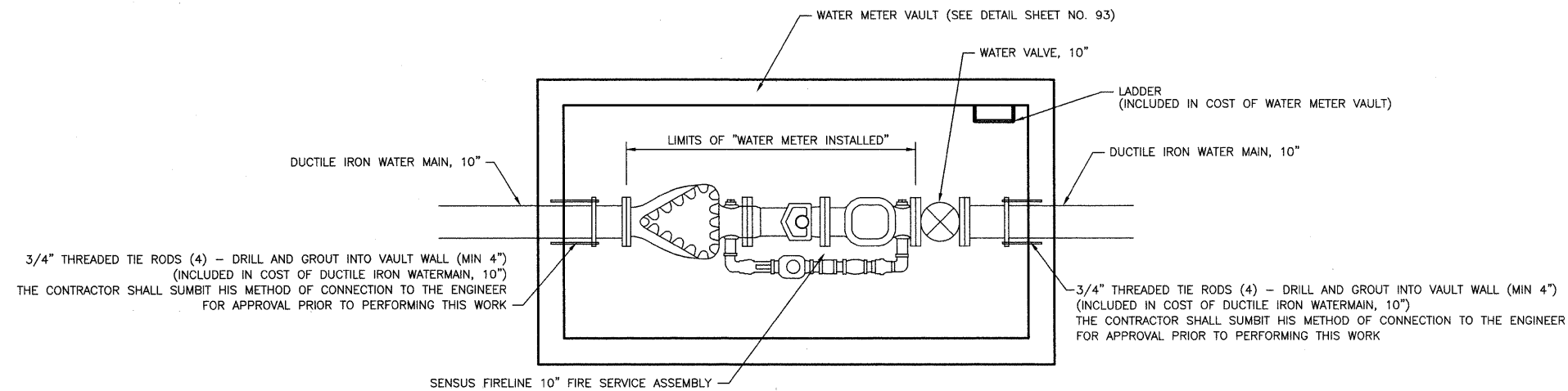
ITEM	UNIT	TOTAL
Water Meter Vault	Each	1

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 WATER METER VAULT DETAILS

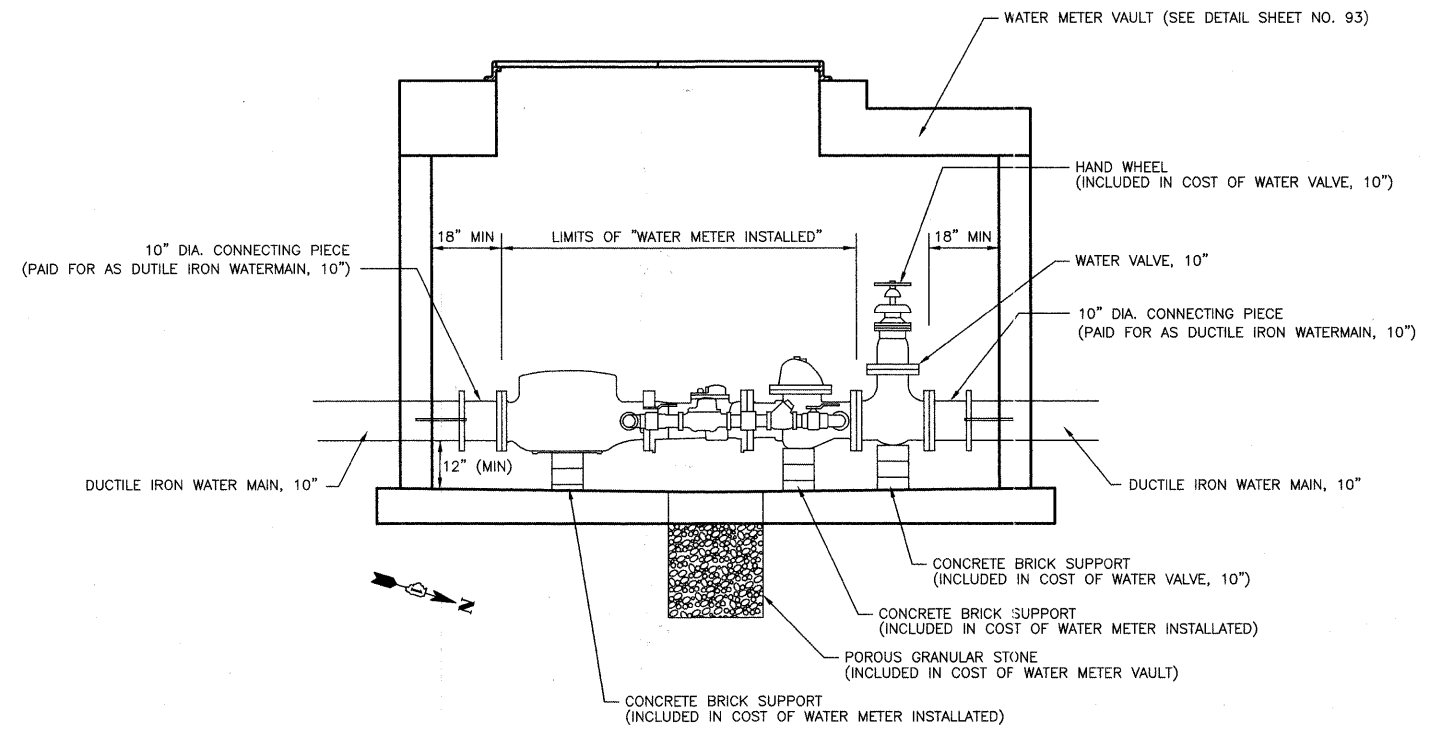
ESSINGTON ROAD AT HENNEPIN DRIVE
 STATION 144+94.62, OFFSET 44.46' RIGHT
 SECTION 06-00130-00-CH WILL COUNTY

Scale: None
 Date: May 29, 2009

By: M. Lange
 Checked: G. Hatlestad



PLAN VIEW



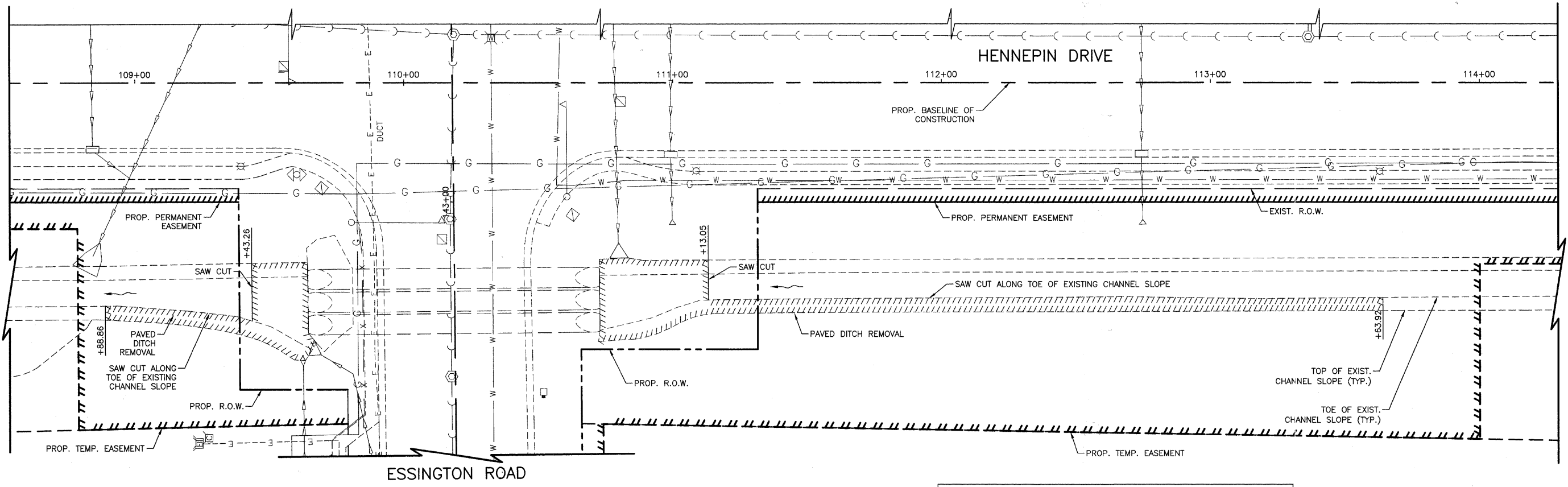
ELEVATION

WATER METER INSTALLED
NOT TO SCALE

FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WATER METER VAULT DETAILS ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	94	
		CHECKED <i>DJK</i>	REVISED -			CONTRACT NO. 63185					
		DATE <i>5-29-09</i>	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(854)					
SCALE: NOT TO SCALE SHEET NO. 1 OF 1 SHEETS											

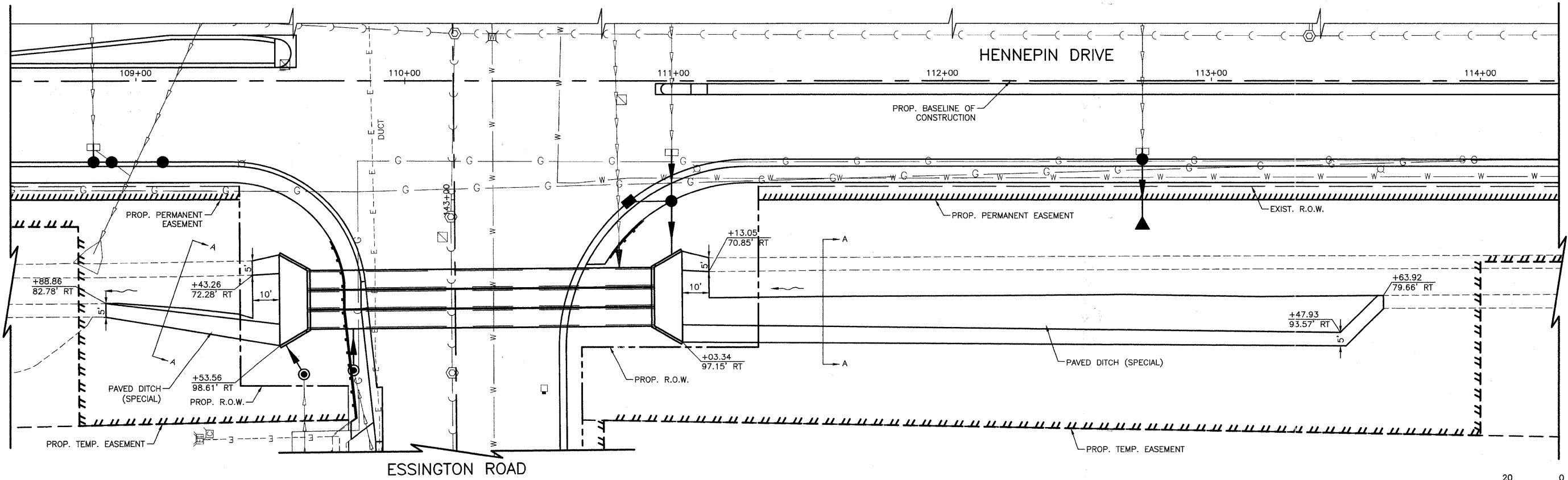
DATE	
BY	
PLANNING	
DESIGNED	
DRAWN	
CHECKED	
DATE	

DATE	
BY	
PROFILE	
DESIGNED	
DRAWN	
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DATE	



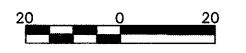
REMOVAL PLAN

NOTE:
ALL EXCAVATION REQUIRED TO CONSTRUCT THE PROPOSED PAVED DITCH WIDENING SHALL BE PERFORMED FROM THE SLOPE ADJACENT TO THE PAVED DITCH. THE CONTRACTOR SHALL NOT BE ALLOWED TO PLACE CONSTRUCTION EQUIPMENT IN THE EXISTING PAVED DITCH, UNLESS OTHERWISE APPROVED BY THE ENGINEER.



PROPOSED PLAN

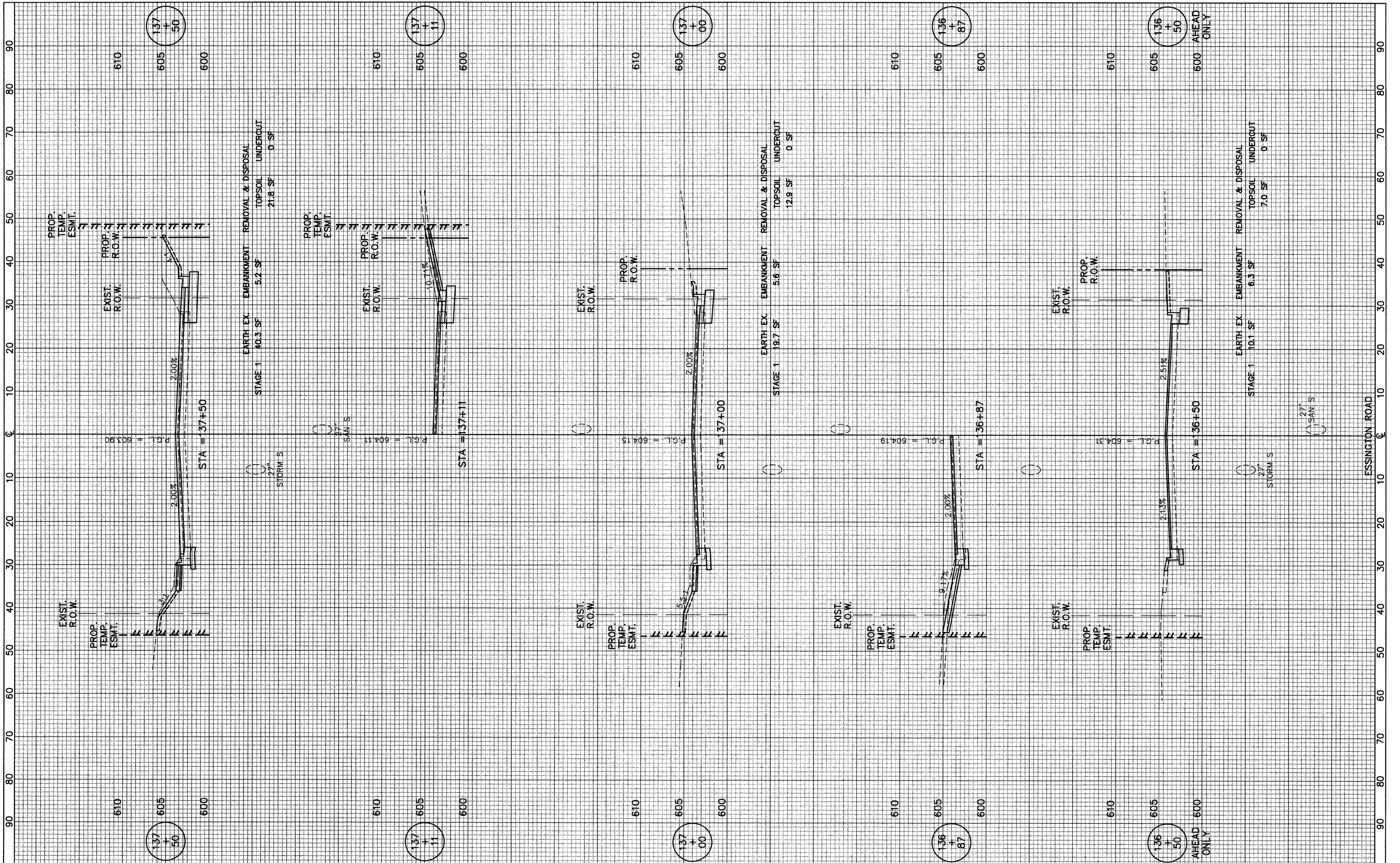
SEE SHEET 91 FOR DETAILS AND SECTION VIEW.



FILE NAME =	USER NAME =	DESIGNED <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVED DITCH - PLAN HENNEPIN DRIVE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN <i>BLG/KRK</i>	REVISED -					0326	06-00130-00-CH	WILL	116	95
		CHECKED <i>DJK</i>	REVISED -		SCALE: 1"=20' SHEET NO. 1 OF 1 SHEETS STA. 110+50 TO STA. 116+00			CONTRACT NO. 63185				
		DATE <i>5-29-09</i>	REVISED -		FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)							

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

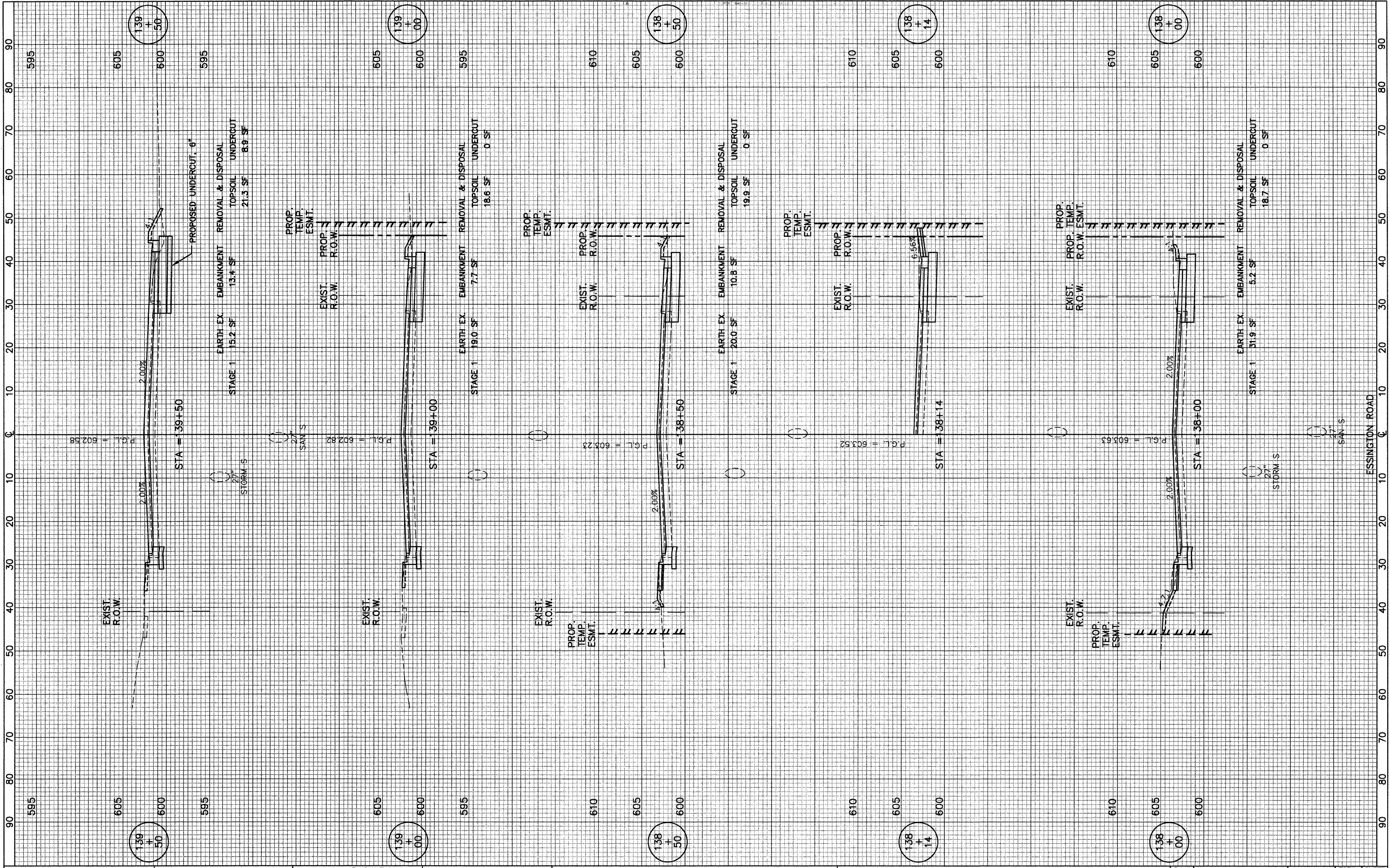
ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
TEMPLATE		
AREAS CHECKED		
NO.		



FILE NAME =	USER NAME =	DESIGNED - <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	CHECKED - <i>DJK</i>	REVISIONS -	0326			06-00130-00-CH	WILL	116	96	
PLOT DATE =	DATE - <i>5-29-09</i>	REVISIONS -	CONTRACT NO. 63185							
			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)							

FINAL SURVEY BY: DATE: SURVEYED PLANNED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY BY: DATE: SURVEYED PLANNED TEMPLATE AREAS CHECKED



FILE NAME =
 USER NAME =
 PLOT SCALE =
 PLOT DATE =

DESIGNED -	BLG/KRK	REVISED -	
DRAWN -	BLG/KRK	REVISED -	
CHECKED -	DJK	REVISED -	
DATE -	5-29-09	REVISED -	

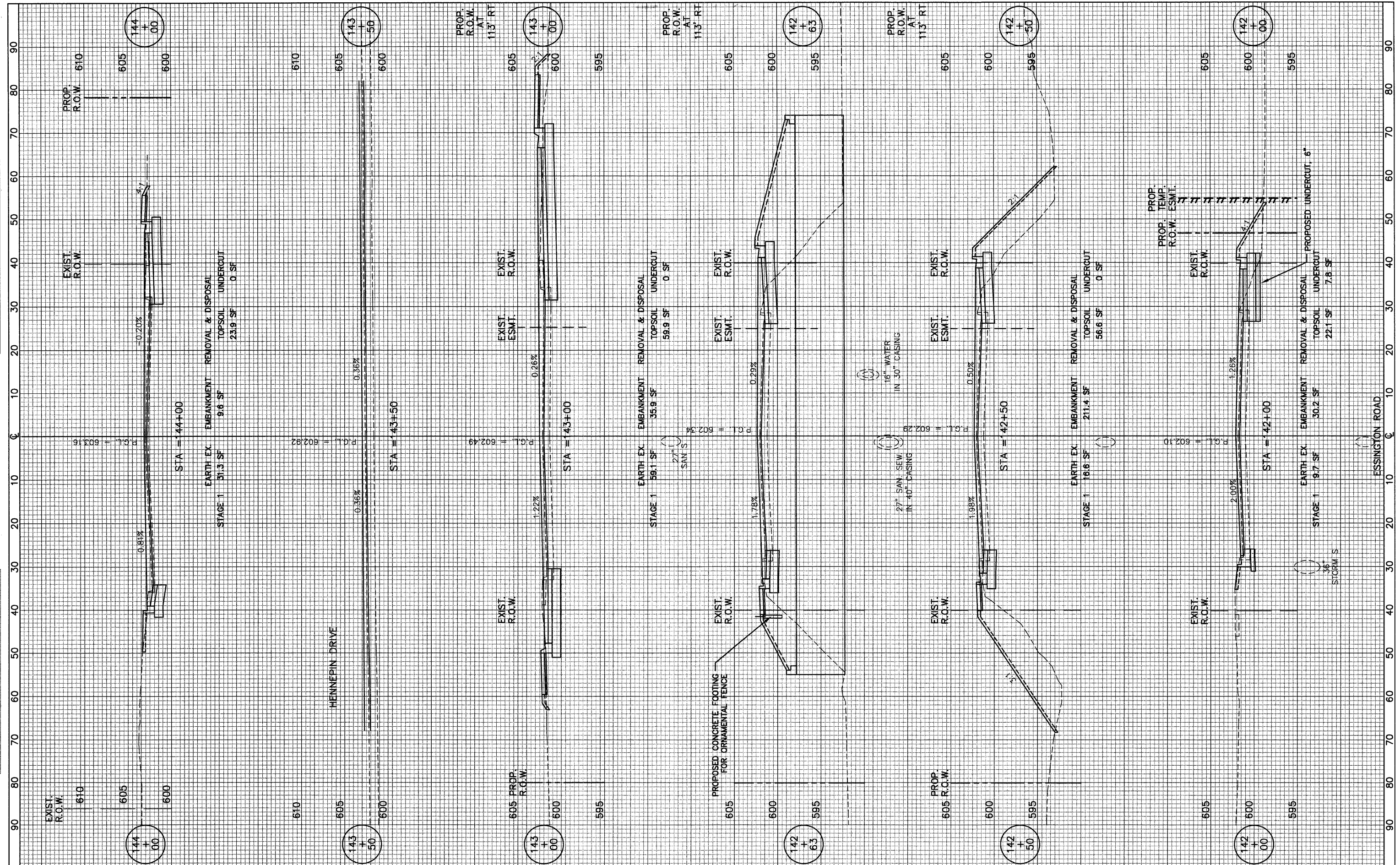
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ESSINGTON ROAD AT HENNEPIN DRIVE
 SHEET NO. 2 OF 5 SHEETS
 STA. 138+00 TO STA. 139+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	97
CONTRACT NO. 63185			FED. ROAD DIST. NO. 7 ILLINOIS	
FED. AID PROJECT M-8003(654)				

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

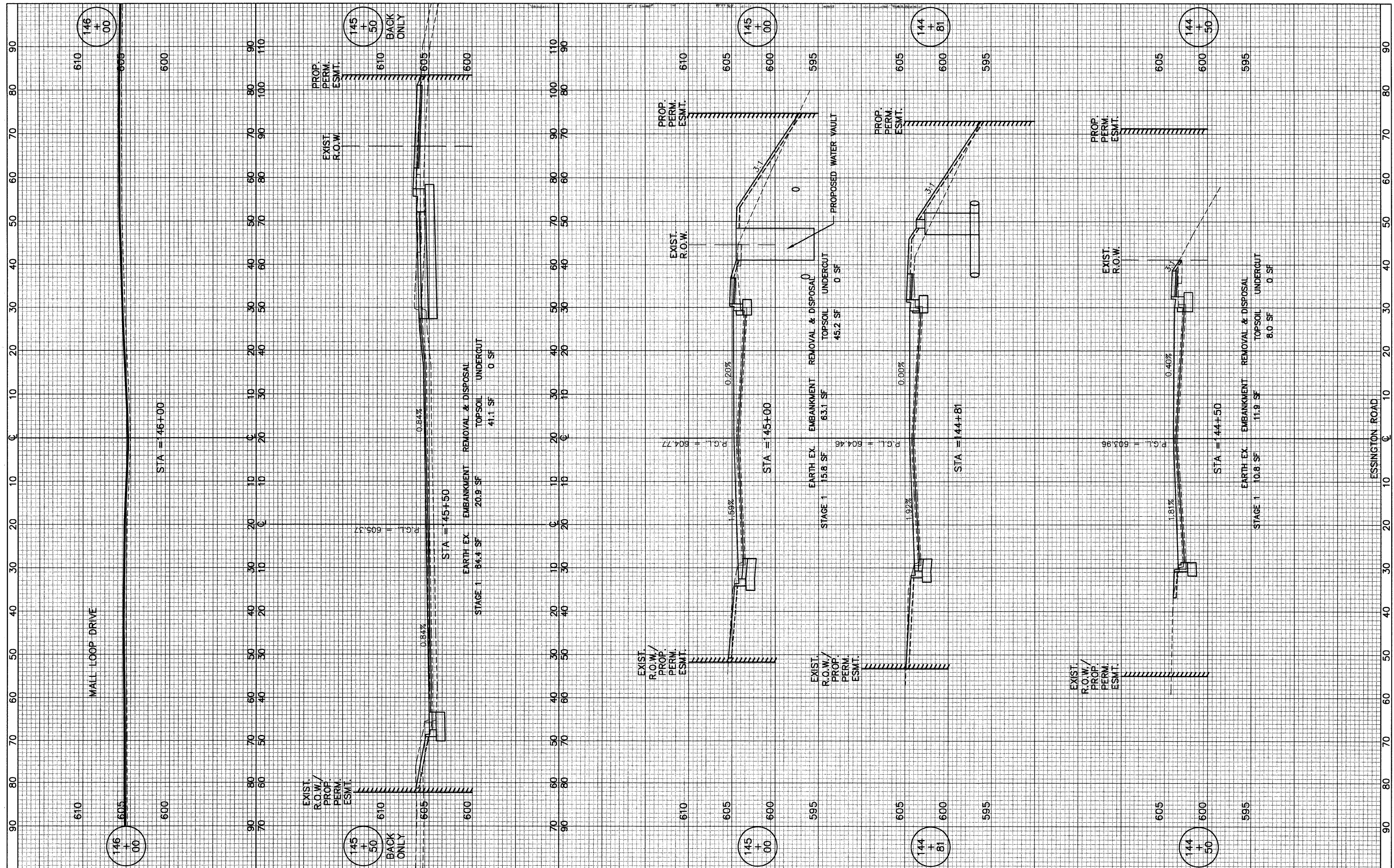
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NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	NO.		



FILE NAME =	USER NAME =	DESIGNED - <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 99	
PLOT SCALE =	CHECKED - <i>DJK</i>	REVISIED -				SHEET NO. 4 OF 5 SHEETS		STA. 142+00 TO STA. 144+00		CONTRACT NO. 63185	
PLOT DATE =	DATE - 5-29-09	REVISIED -				FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT M-8003(654)			

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	NO.
TEMPLATE	AREAS CHECKED
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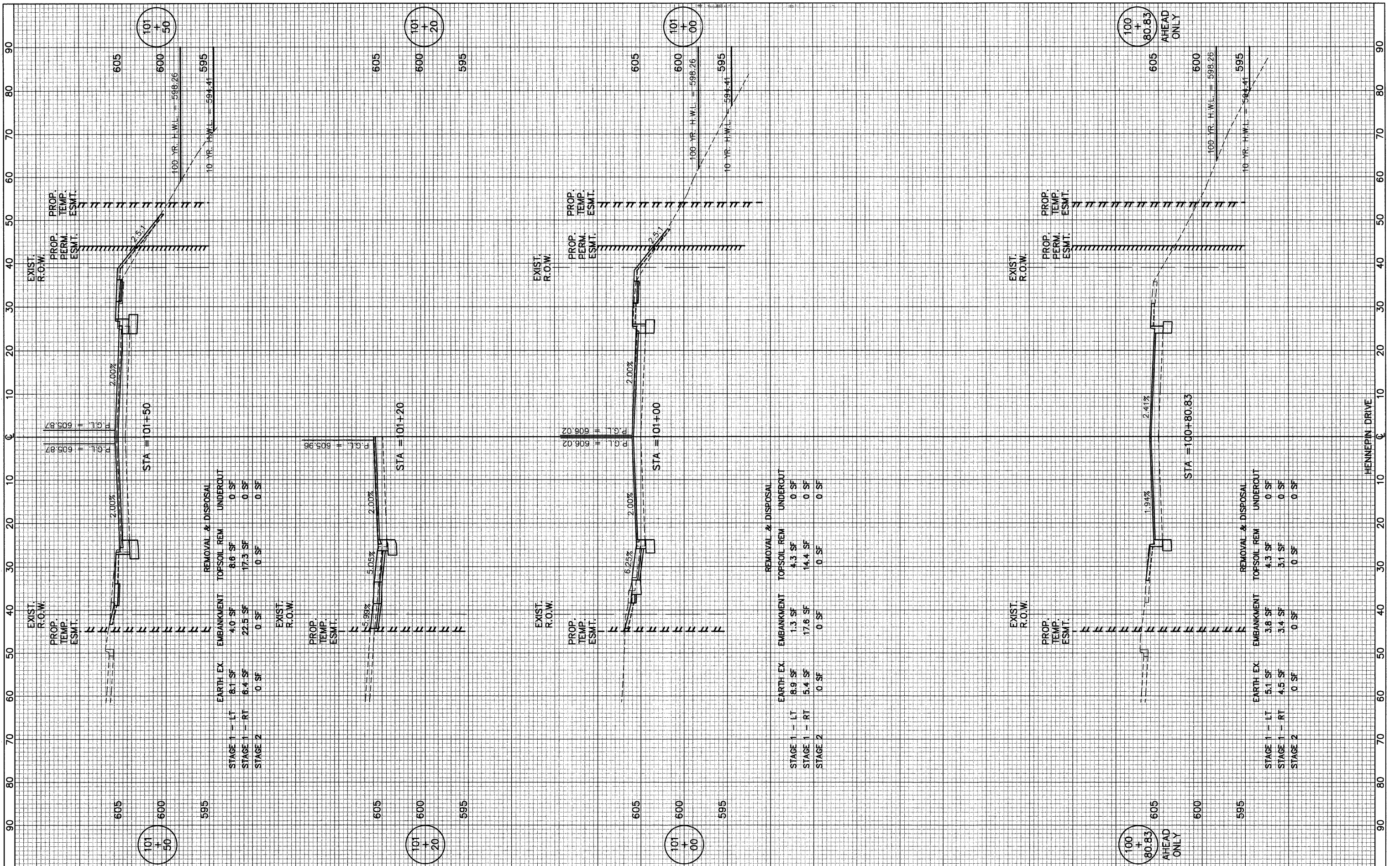
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SURVEYED	BY
NOTE BOOK	NO.
TEMPLATE	AREAS CHECKED
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FILE NAME =	USER NAME =	DESIGNED - <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 100	
PLOT SCALE =	CHECKED - <i>DJK</i>	DRAWN - <i>BLG/KRK</i>	REVISED -			SHEET NO. 5 OF 5 SHEETS	STA. 144+50 TO STA. 146+00	CONTRACT NO. 63185		FED. AID PROJECT M-8003(654)	
PLOT DATE =	DATE - 5-29-09	DATE - 5-29-09	REVISED -								

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

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



STAGE 1 - LT 8.1 SF
 STAGE 1 - RT 6.4 SF
 STAGE 2 0 SF

EMBANKMENT
 4.0 SF
 22.5 SF
 0 SF

REMOVAL & DISPOSAL
 TOPSOIL REM 8.6 SF
 UNDERCUT 0 SF
 17.3 SF
 0 SF
 0 SF

STAGE 1 - LT 8.9 SF
 STAGE 1 - RT 5.4 SF
 STAGE 2 0 SF

EMBANKMENT
 1.3 SF
 17.6 SF
 0 SF

REMOVAL & DISPOSAL
 TOPSOIL REM 4.3 SF
 UNDERCUT 0 SF
 14.4 SF
 0 SF
 0 SF

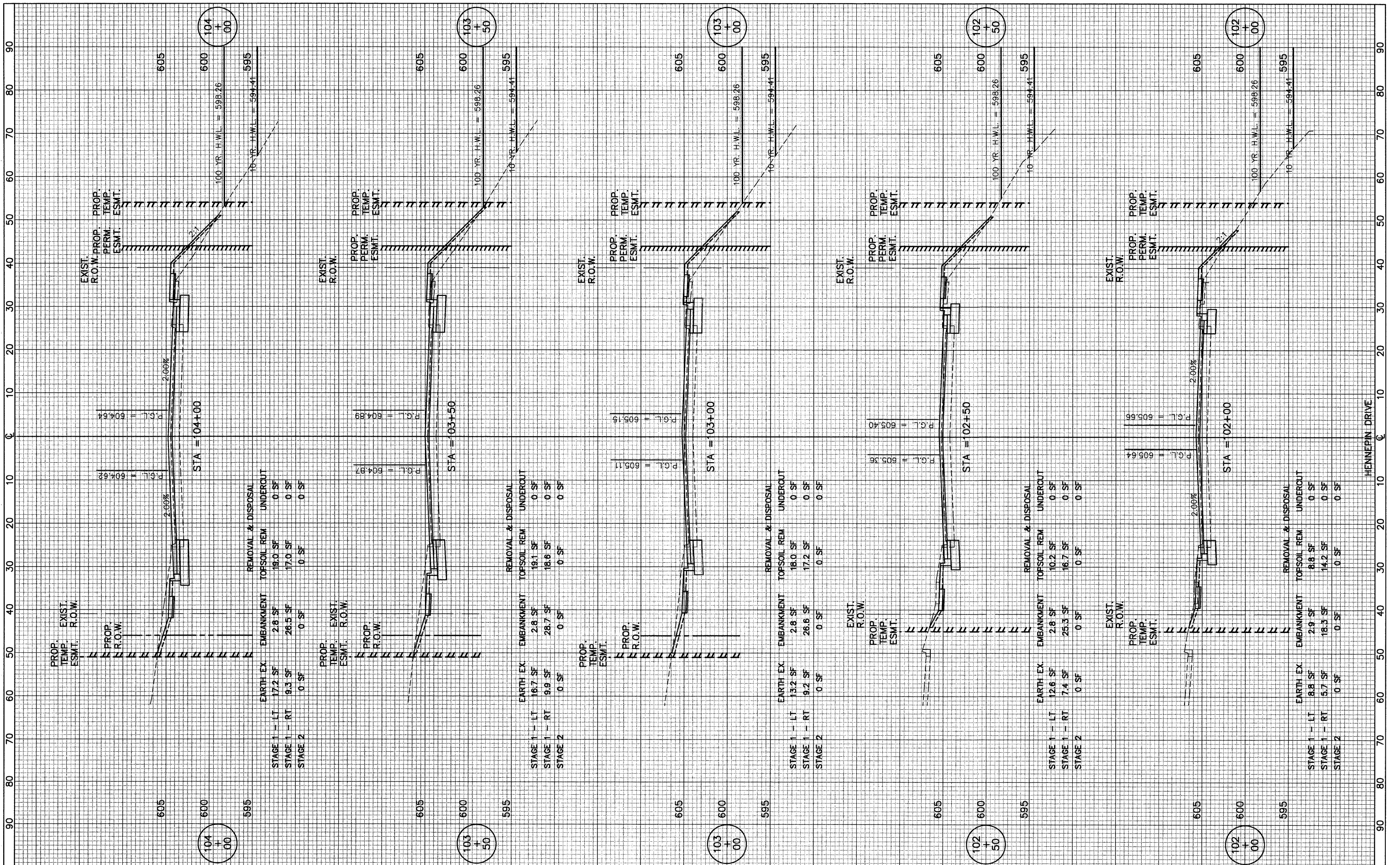
STAGE 1 - LT 5.1 SF
 STAGE 1 - RT 4.5 SF
 STAGE 2 0 SF

EMBANKMENT
 3.8 SF
 3.4 SF
 0 SF

REMOVAL & DISPOSAL
 TOPSOIL REM 4.3 SF
 UNDERCUT 0 SF
 3.1 SF
 0 SF
 0 SF

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

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



REMOVAL & DISPOSAL

STAGE	LT	RT	TOPSOIL REM	UNDERCUT
STAGE 1	17.2 SF	2.8 SF	19.0 SF	0 SF
STAGE 2	0 SF	0 SF	0 SF	0 SF

REMOVAL & DISPOSAL

STAGE	LT	RT	TOPSOIL REM	UNDERCUT
STAGE 1	16.7 SF	2.8 SF	19.1 SF	0 SF
STAGE 2	0 SF	0 SF	0 SF	0 SF

REMOVAL & DISPOSAL

STAGE	LT	RT	TOPSOIL REM	UNDERCUT
STAGE 1	13.2 SF	2.8 SF	18.0 SF	0 SF
STAGE 2	0 SF	0 SF	0 SF	0 SF

REMOVAL & DISPOSAL

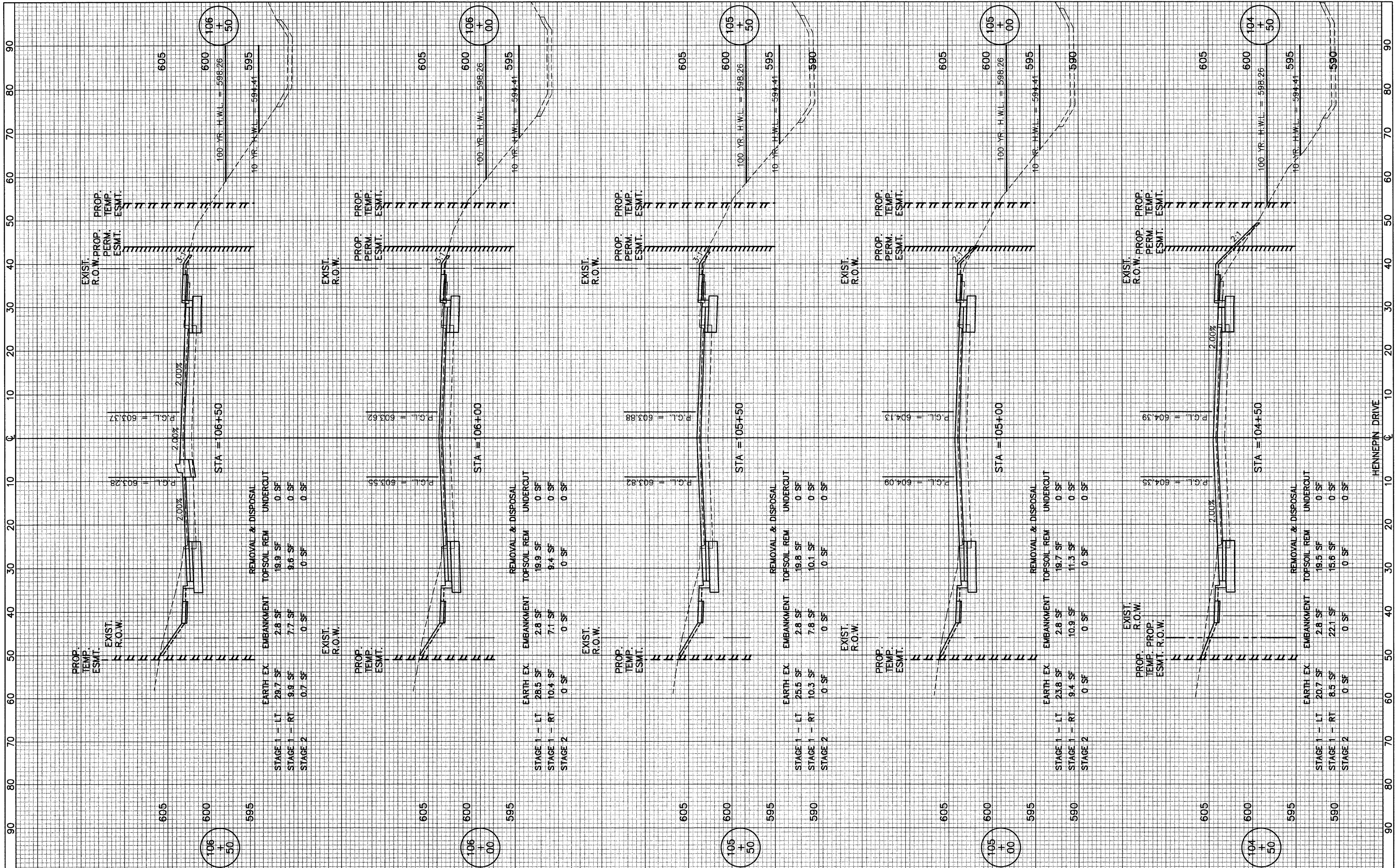
STAGE	LT	RT	TOPSOIL REM	UNDERCUT
STAGE 1	12.6 SF	2.8 SF	10.2 SF	0 SF
STAGE 2	0 SF	0 SF	0 SF	0 SF

REMOVAL & DISPOSAL

STAGE	LT	RT	TOPSOIL REM	UNDERCUT
STAGE 1	8.8 SF	2.9 SF	8.8 SF	0 SF
STAGE 2	0 SF	0 SF	0 SF	0 SF

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

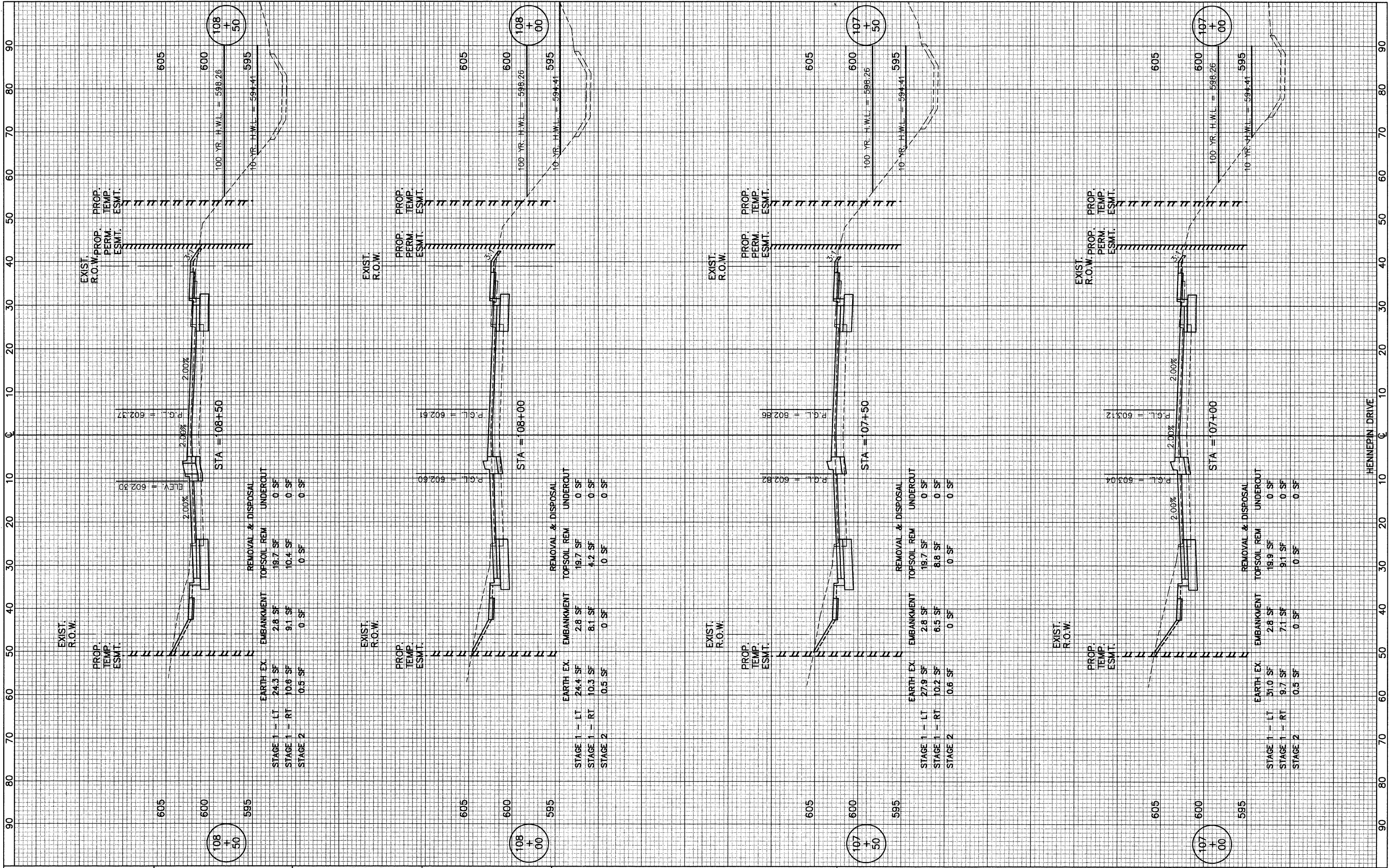
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 SURVEY PLOTTED BY DATE
 NOTE BOOK NO. TEMPLATE AREAS CHECKED



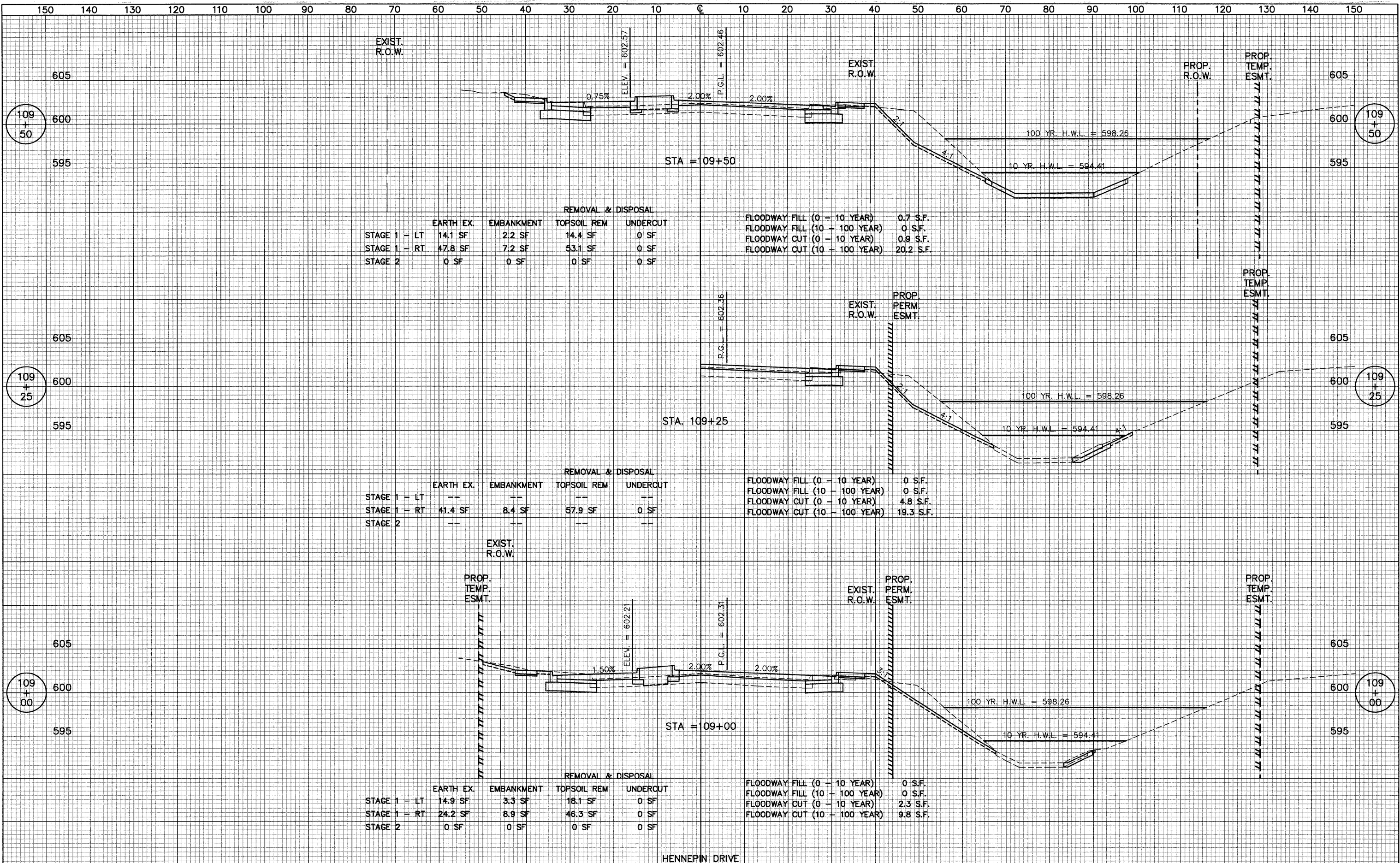
FILE NAME =	USER NAME =	DESIGNED - <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ESSINGTON ROAD AT HENNEPIN DRIVE		F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 103
	PLOT SCALE =	DRAWN - <i>BLG/KRK</i>	REVISED -		SHEET NO. 86 OF SHEETS		STA. 104+50 TO STA. 106+50	CONTRACT NO. 63185			
	PLOT DATE =	CHECKED - <i>DJK</i>	REVISED -		DATE - 5-29-09			FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT M-8003(654)	
		DATE - 5-29-09	REVISED -								

DATE: _____
 BY: _____
 SURVEYED: _____
 FINISHED: _____
 SURVEY: _____
 NOTE BOOK: _____
 NO.: _____
 AREAS CHECKED: _____

DATE: _____
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 SURVEY: _____
 NOTE BOOK: _____
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 AREAS CHECKED: _____



FILE NAME =	USER NAME =	DESIGNED - <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ESSINGTON ROAD AT HENNEPIN DRIVE	F.A.U. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
PLOT SCALE =	CHECKED - <i>DJK</i>	DRAWN - <i>BLG/KRK</i>	REVISED -			0326	06-00130-00-CH	WILL	116	104	
PLOT DATE =	DATE - <i>5-29-09</i>	CHECKED - <i>DJK</i>	REVISED -			CONTRACT NO. 63185					
		DATE - <i>5-29-09</i>	REVISED -			FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT M-8003(654)					

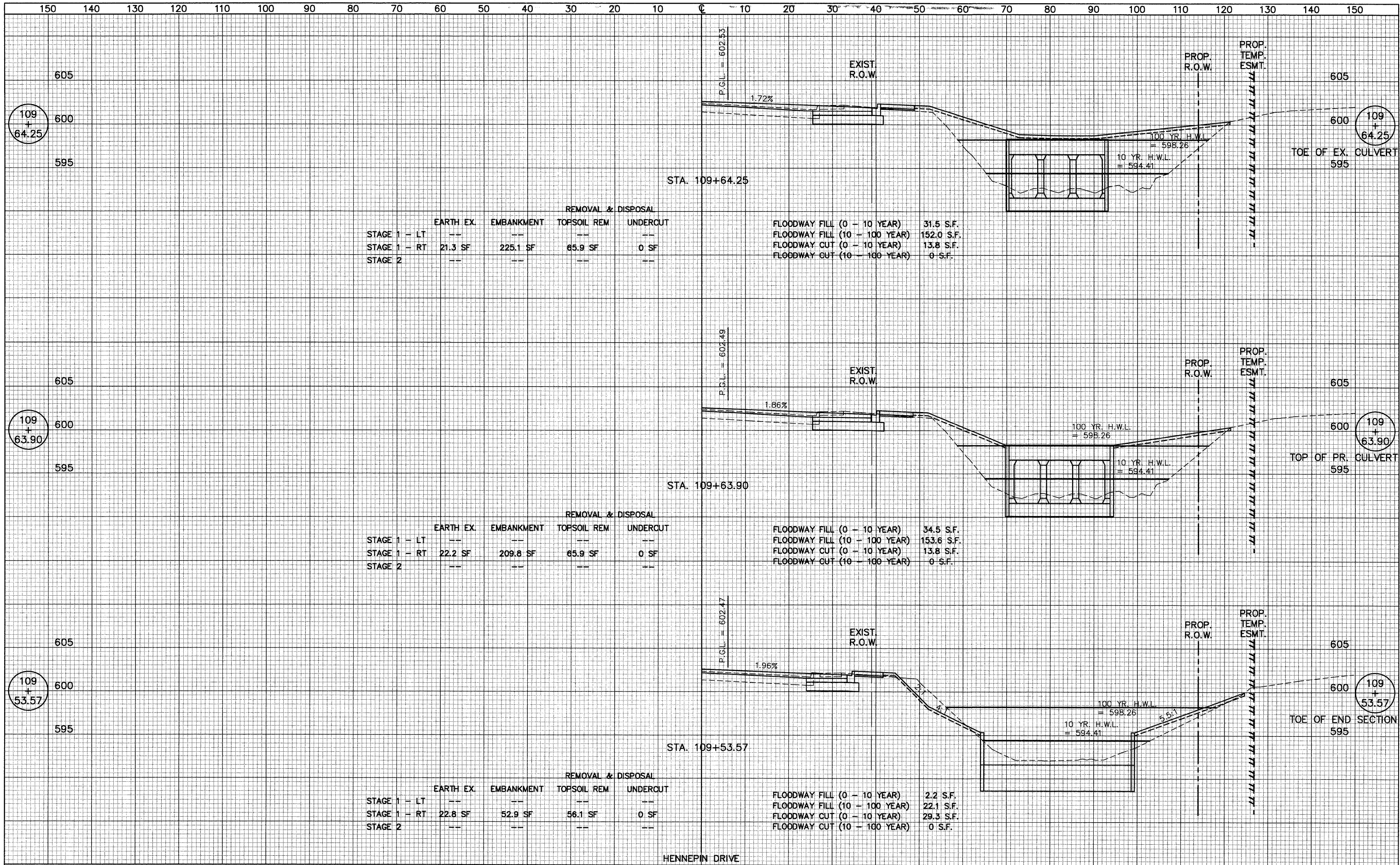


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 TRIMMED _____
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DATE _____
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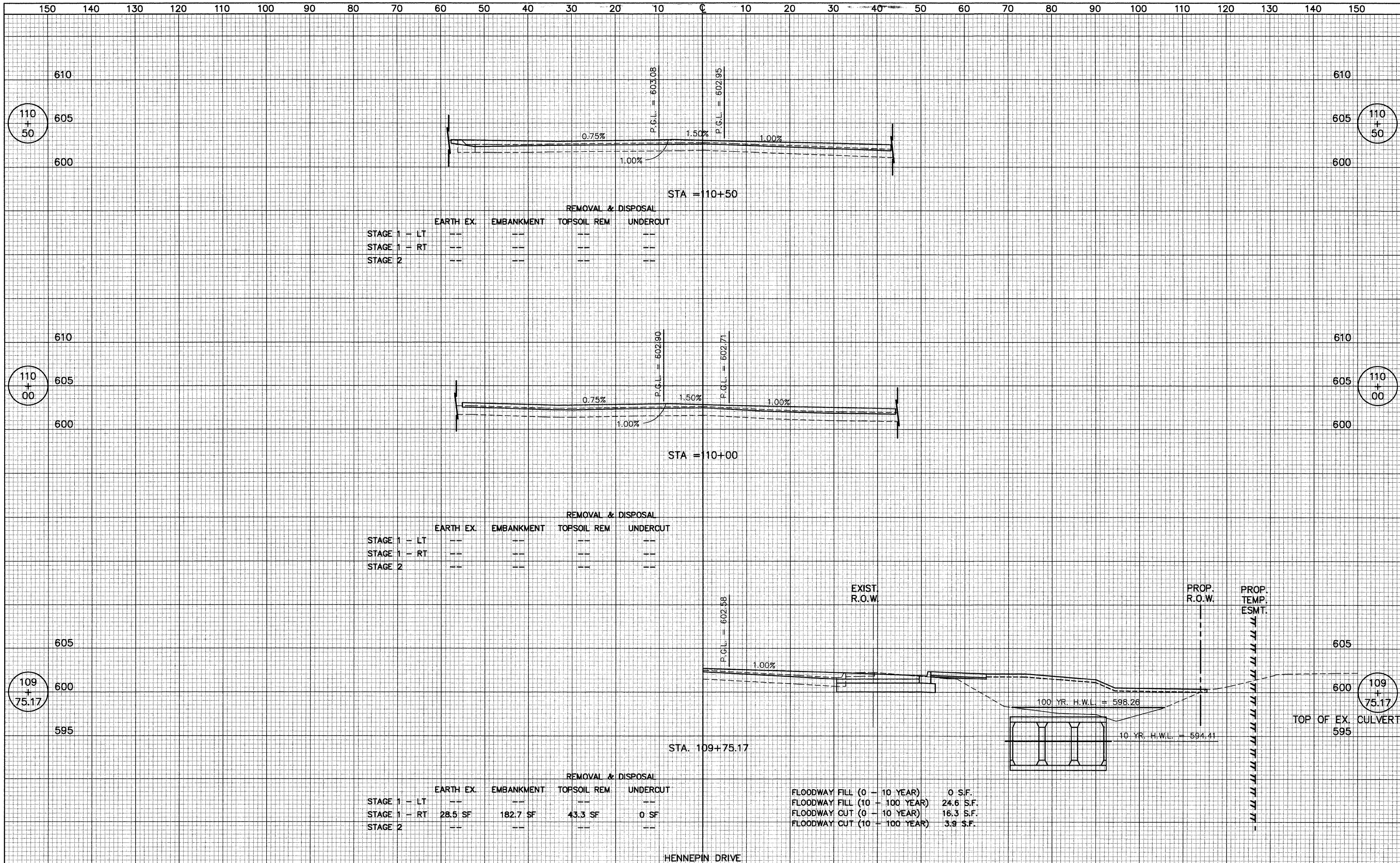
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DATE _____
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 NOTE BOOK _____
 TEMPLATE _____
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DATE _____
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 ORIGINAL SURVEY _____
 NOTE BOOK _____
 TEMPLATE _____
 AREAS CHECKED _____
 NO. _____



REMOVAL & DISPOSAL

	EARTH EX.	EMBANKMENT	TOPSOIL REM	UNDERCUT
STAGE 1 - LT	--	--	--	--
STAGE 1 - RT	--	--	--	--
STAGE 2	--	--	--	--

REMOVAL & DISPOSAL

	EARTH EX.	EMBANKMENT	TOPSOIL REM	UNDERCUT
STAGE 1 - LT	--	--	--	--
STAGE 1 - RT	--	--	--	--
STAGE 2	--	--	--	--

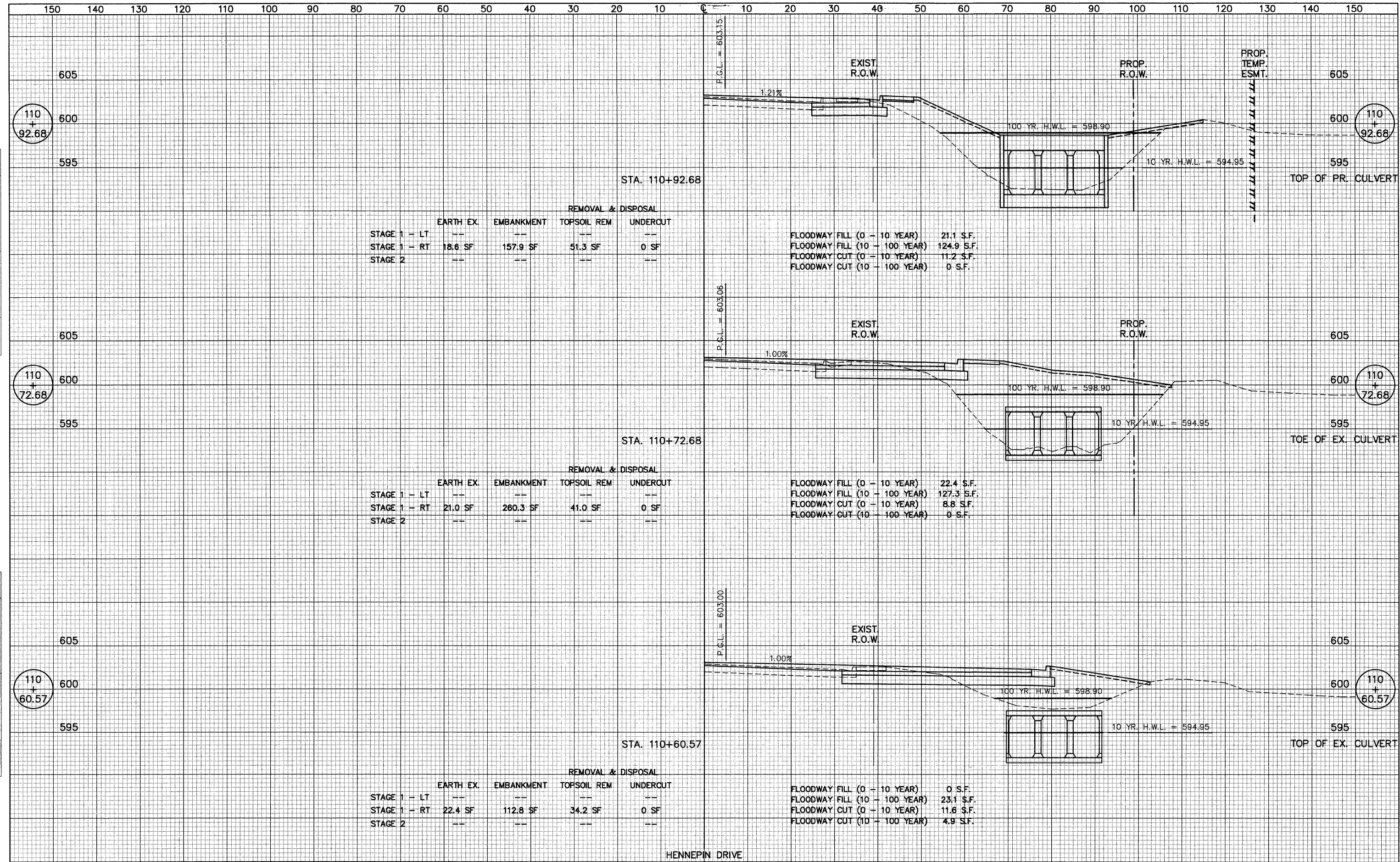
REMOVAL & DISPOSAL

	EARTH EX.	EMBANKMENT	TOPSOIL REM	UNDERCUT
STAGE 1 - LT	--	--	--	--
STAGE 1 - RT	28.5 SF	182.7 SF	43.3 SF	0 SF
STAGE 2	--	--	--	--

FLOODWAY FILL (0 - 10 YEAR) 0 S.F.
 FLOODWAY FILL (10 - 100 YEAR) 24.6 S.F.
 FLOODWAY CUT (0 - 10 YEAR) 16.3 S.F.
 FLOODWAY CUT (10 - 100 YEAR) 3.9 S.F.

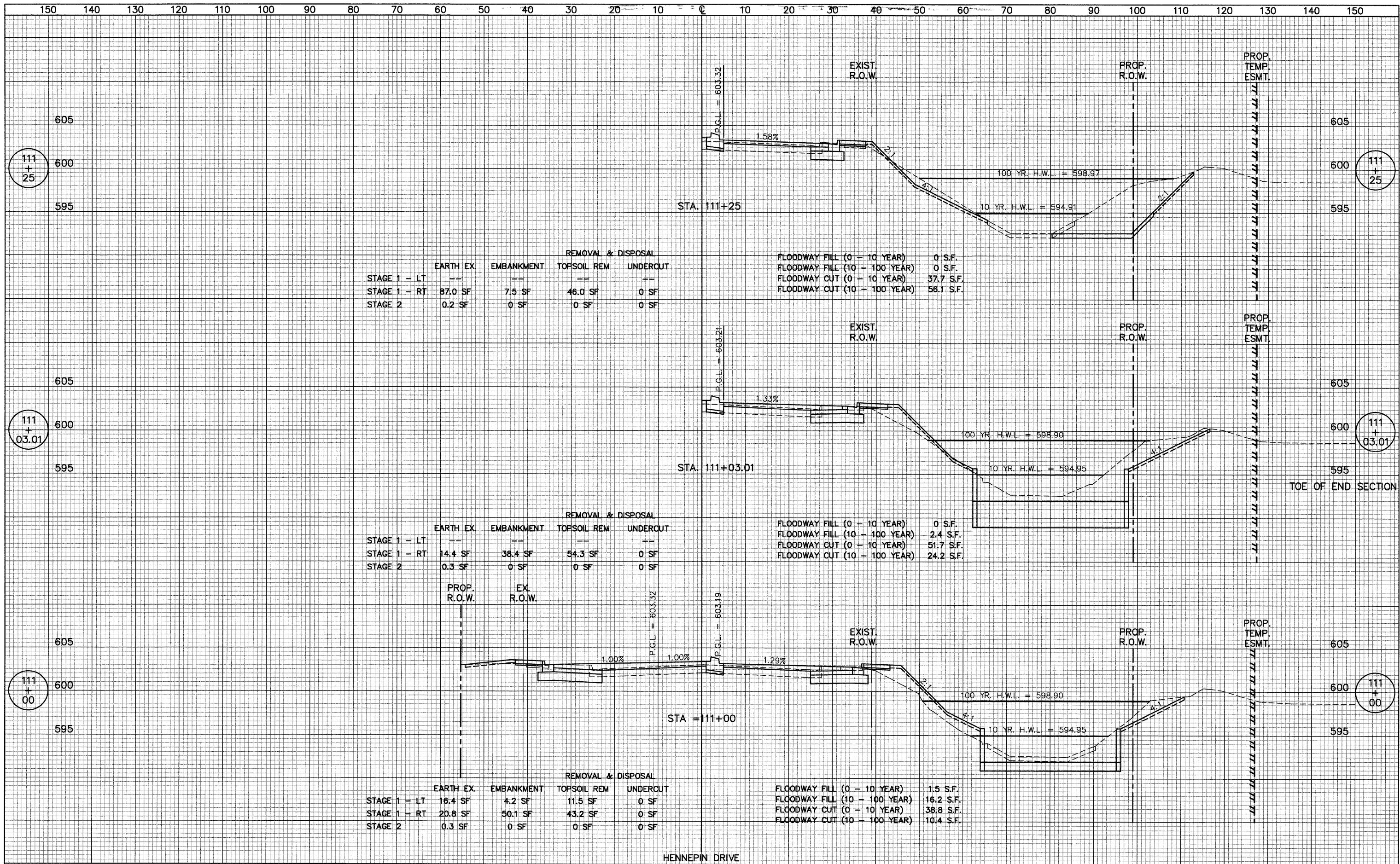
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 NOTE BOOK _____
 TEMPLATE _____
 AREAS CHECKED _____
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DATE _____
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 ORIGINAL SURVEY _____
 NOTE BOOK _____
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DATE _____
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 PLAN _____
 TEMPLATE _____
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	EARTH EX.	EMBANKMENT	REMOVAL & DISPOSAL	
			TOPSOIL REM	UNDERCUT
STAGE 1 - LT	--	--	--	--
STAGE 1 - RT	87.0 SF	7.5 SF	46.0 SF	0 SF
STAGE 2	0.2 SF	0 SF	0 SF	0 SF

FLOODWAY FILL (0 - 10 YEAR)	0 S.F.
FLOODWAY FILL (10 - 100 YEAR)	0 S.F.
FLOODWAY CUT (0 - 10 YEAR)	37.7 S.F.
FLOODWAY CUT (10 - 100 YEAR)	56.1 S.F.

	EARTH EX.	EMBANKMENT	REMOVAL & DISPOSAL	
			TOPSOIL REM	UNDERCUT
STAGE 1 - LT	--	--	--	--
STAGE 1 - RT	14.4 SF	38.4 SF	54.3 SF	0 SF
STAGE 2	0.3 SF	0 SF	0 SF	0 SF

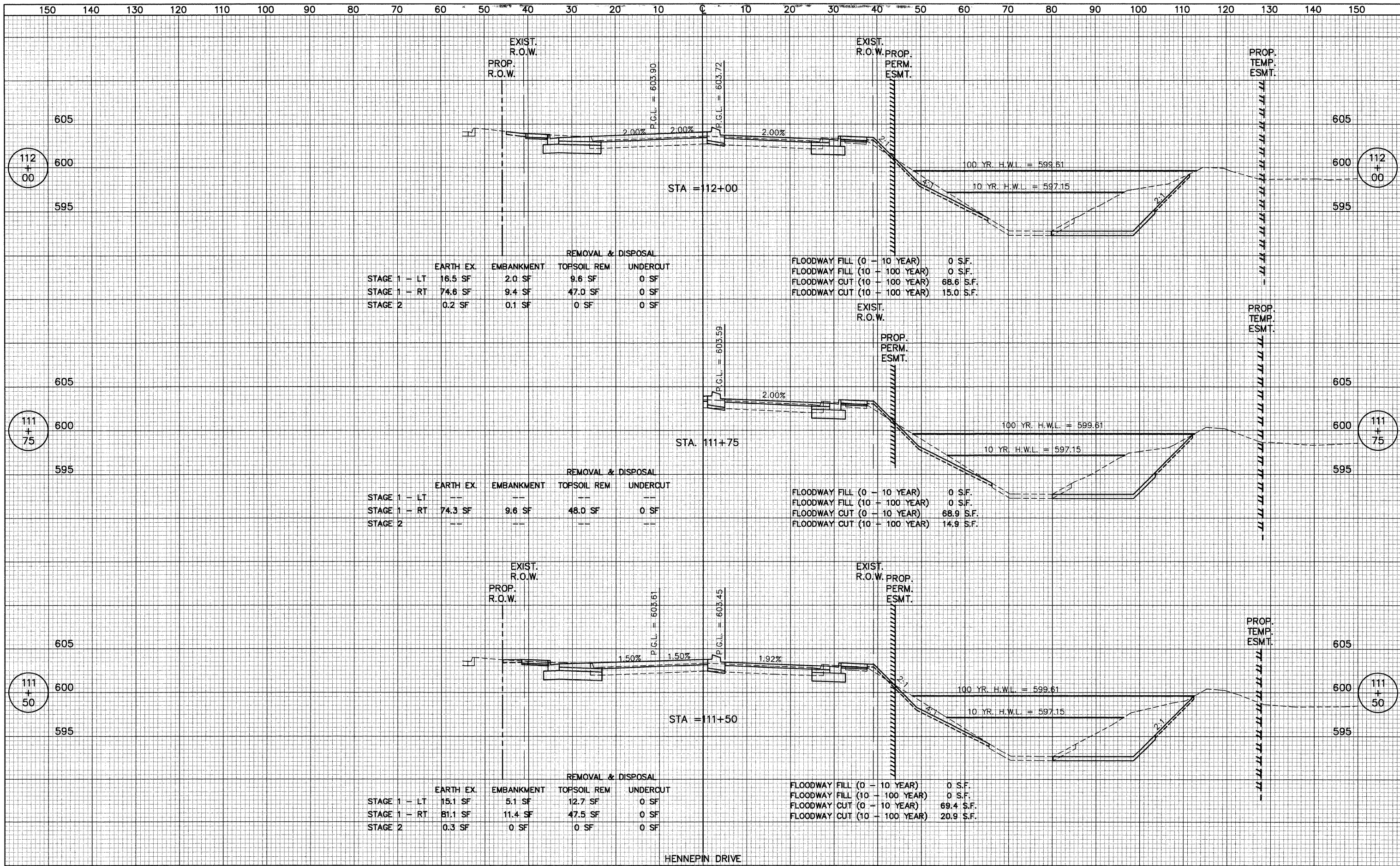
FLOODWAY FILL (0 - 10 YEAR)	0 S.F.
FLOODWAY FILL (10 - 100 YEAR)	2.4 S.F.
FLOODWAY CUT (0 - 10 YEAR)	51.7 S.F.
FLOODWAY CUT (10 - 100 YEAR)	24.2 S.F.

	EARTH EX.	EMBANKMENT	REMOVAL & DISPOSAL	
			TOPSOIL REM	UNDERCUT
STAGE 1 - LT	16.4 SF	4.2 SF	11.5 SF	0 SF
STAGE 1 - RT	20.8 SF	50.1 SF	43.2 SF	0 SF
STAGE 2	0.3 SF	0 SF	0 SF	0 SF

FLOODWAY FILL (0 - 10 YEAR)	1.5 S.F.
FLOODWAY FILL (10 - 100 YEAR)	16.2 S.F.
FLOODWAY CUT (0 - 10 YEAR)	38.8 S.F.
FLOODWAY CUT (10 - 100 YEAR)	10.4 S.F.

DATE	
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DATE	
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ORIGINAL SURVEY	
NOTE BOOK	
TEMPERATURE	
AREAS	
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	EARTH EX.	EMBANKMENT	REMOVAL & DISPOSAL	
			TOPSOIL REM	UNDERCUT
STAGE 1 - LT	16.5 SF	2.0 SF	9.6 SF	0 SF
STAGE 1 - RT	74.6 SF	9.4 SF	47.0 SF	0 SF
STAGE 2	0.2 SF	0.1 SF	0 SF	0 SF

FLOODWAY FILL (0 - 10 YEAR)	0 S.F.
FLOODWAY FILL (10 - 100 YEAR)	0 S.F.
FLOODWAY CUT (10 - 100 YEAR)	68.6 S.F.
FLOODWAY CUT (10 - 100 YEAR)	15.0 S.F.

	EARTH EX.	EMBANKMENT	REMOVAL & DISPOSAL	
			TOPSOIL REM	UNDERCUT
STAGE 1 - LT	--	--	--	--
STAGE 1 - RT	74.3 SF	9.6 SF	48.0 SF	0 SF
STAGE 2	--	--	--	--

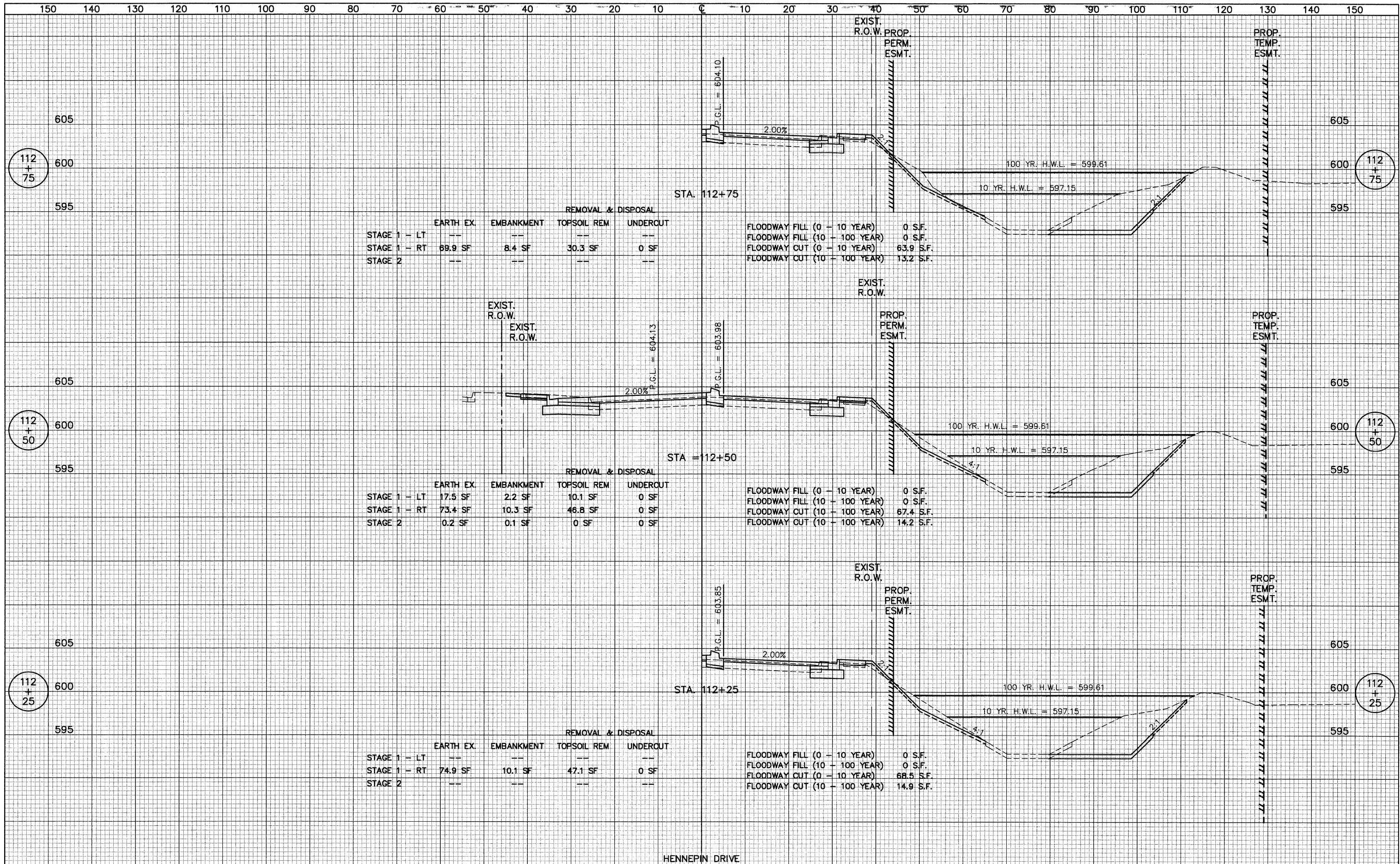
FLOODWAY FILL (0 - 10 YEAR)	0 S.F.
FLOODWAY FILL (10 - 100 YEAR)	0 S.F.
FLOODWAY CUT (0 - 10 YEAR)	68.9 S.F.
FLOODWAY CUT (10 - 100 YEAR)	14.9 S.F.

	EARTH EX.	EMBANKMENT	REMOVAL & DISPOSAL	
			TOPSOIL REM	UNDERCUT
STAGE 1 - LT	15.1 SF	5.1 SF	12.7 SF	0 SF
STAGE 1 - RT	81.1 SF	11.4 SF	47.5 SF	0 SF
STAGE 2	0.3 SF	0 SF	0 SF	0 SF

FLOODWAY FILL (0 - 10 YEAR)	0 S.F.
FLOODWAY FILL (10 - 100 YEAR)	0 S.F.
FLOODWAY CUT (0 - 10 YEAR)	69.4 S.F.
FLOODWAY CUT (10 - 100 YEAR)	20.9 S.F.

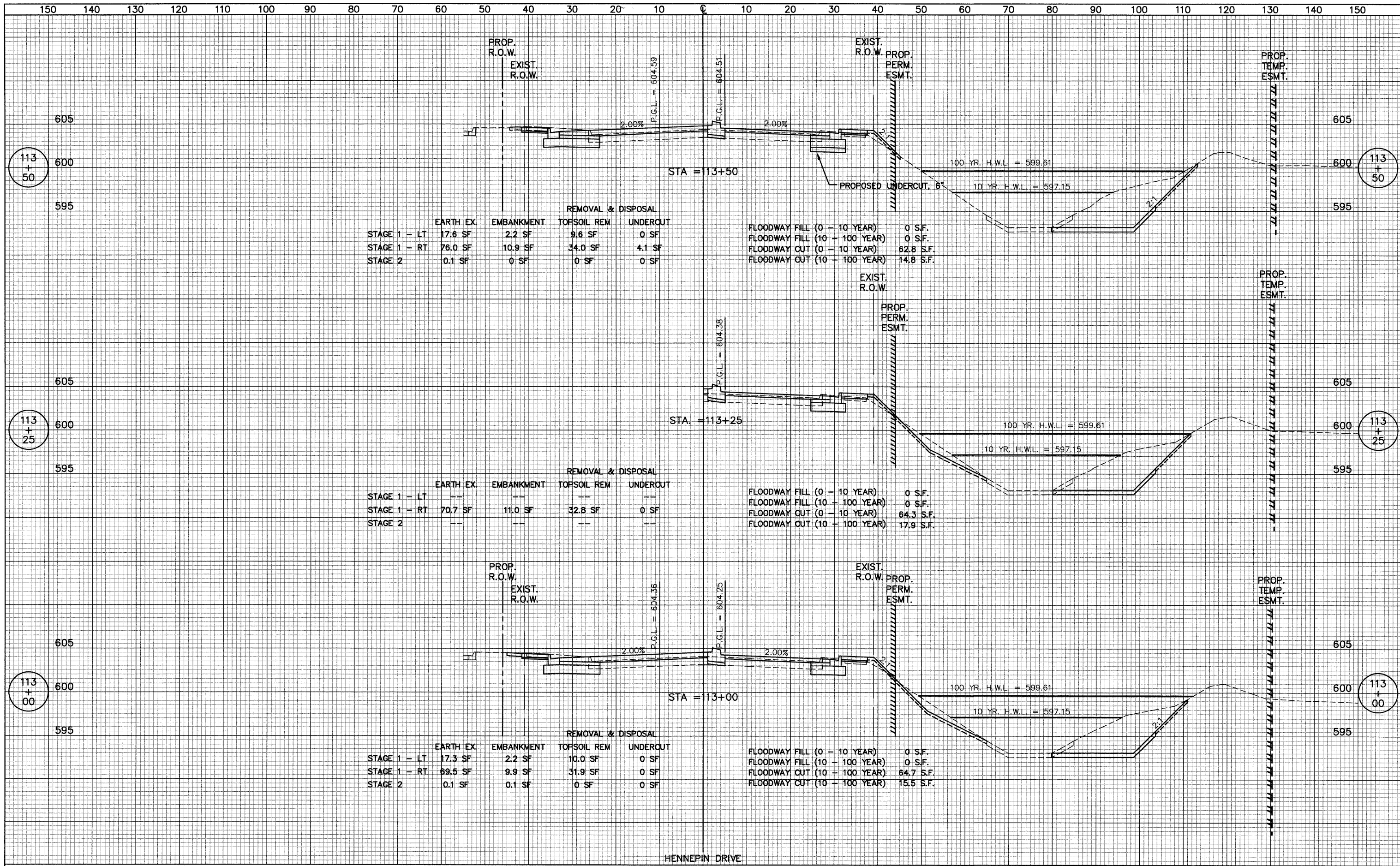
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DATE	
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NOTE BOOK	
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ORIGINAL SURVEY	
NOTE BOOK	
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	EARTH EX.	EMBANKMENT	REMOVAL & DISPOSAL	UNDERCUT
STAGE 1 - LT	17.6 SF	2.2 SF	9.6 SF	0 SF
STAGE 1 - RT	76.0 SF	10.9 SF	34.0 SF	4.1 SF
STAGE 2	0.1 SF	0 SF	0 SF	0 SF

FLOODWAY FILL (0 - 10 YEAR)	0 S.F.
FLOODWAY FILL (10 - 100 YEAR)	0 S.F.
FLOODWAY CUT (0 - 10 YEAR)	62.8 S.F.
FLOODWAY CUT (10 - 100 YEAR)	14.8 S.F.

	EARTH EX.	EMBANKMENT	REMOVAL & DISPOSAL	UNDERCUT
STAGE 1 - LT	--	--	--	--
STAGE 1 - RT	70.7 SF	11.0 SF	32.8 SF	0 SF
STAGE 2	--	--	--	--

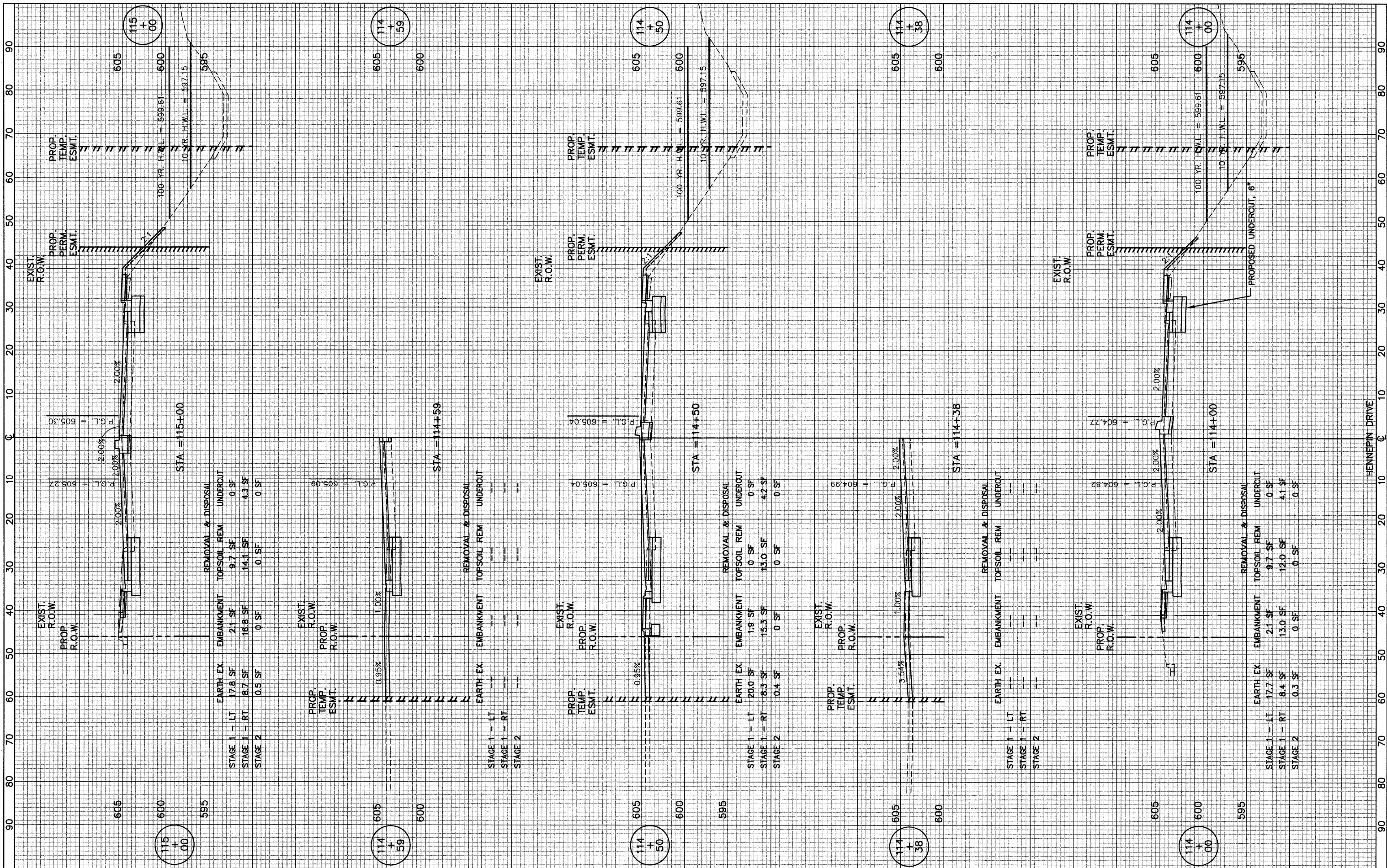
FLOODWAY FILL (0 - 10 YEAR)	0 S.F.
FLOODWAY FILL (10 - 100 YEAR)	0 S.F.
FLOODWAY CUT (0 - 10 YEAR)	64.3 S.F.
FLOODWAY CUT (10 - 100 YEAR)	17.9 S.F.

	EARTH EX.	EMBANKMENT	REMOVAL & DISPOSAL	UNDERCUT
STAGE 1 - LT	17.3 SF	2.2 SF	10.0 SF	0 SF
STAGE 1 - RT	69.5 SF	9.9 SF	31.9 SF	0 SF
STAGE 2	0.1 SF	0.1 SF	0 SF	0 SF

FLOODWAY FILL (0 - 10 YEAR)	0 S.F.
FLOODWAY FILL (10 - 100 YEAR)	0 S.F.
FLOODWAY CUT (10 - 100 YEAR)	64.7 S.F.
FLOODWAY CUT (10 - 100 YEAR)	15.5 S.F.

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

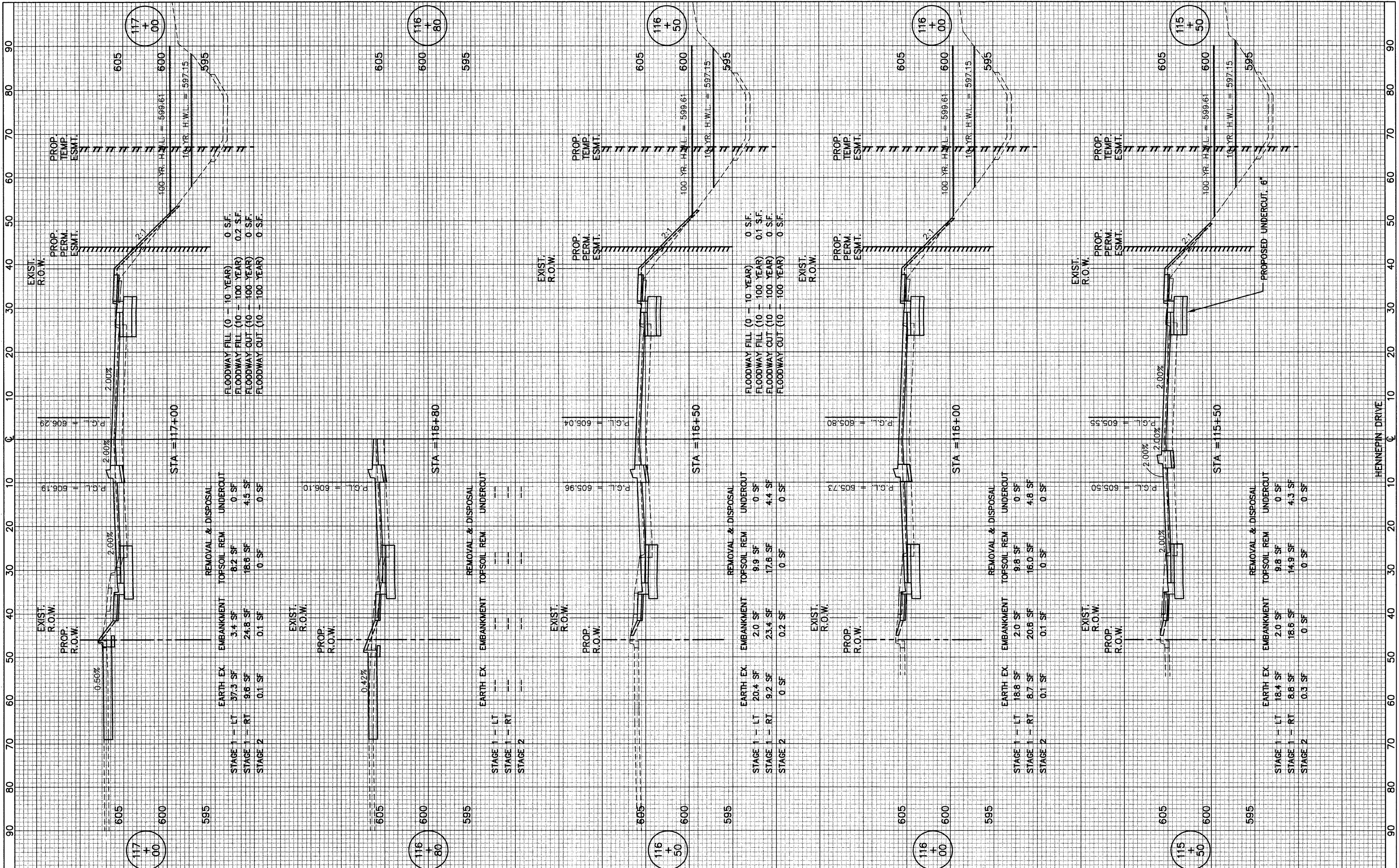
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 NOTE BOOK NO. TEMPLATE AREAS CHECKED



FILE NAME =	USER NAME =	DESIGNED - <i>BLG/KRK</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ESSINGTON ROAD AT HENNEPIN DRIVE		F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 113	
PLOT SCALE =	CHECKED - <i>DJK</i>	DATE - 5-29-09	REVISED -		SHEET NO. 13 OF 16 SHEETS	STA. 114+00 TO STA. 115+00	FED. ROAD DIST. NO. 7 ILLINOIS	CONTRACT NO. 63185				
PLOT DATE =	DATE - 5-29-09	REVISED -			FED. AID PROJECT M-8003(654)							

FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED



FILE NAME =	USER NAME =	DESIGNED - <i>BLG/KRK</i>	REVISED -
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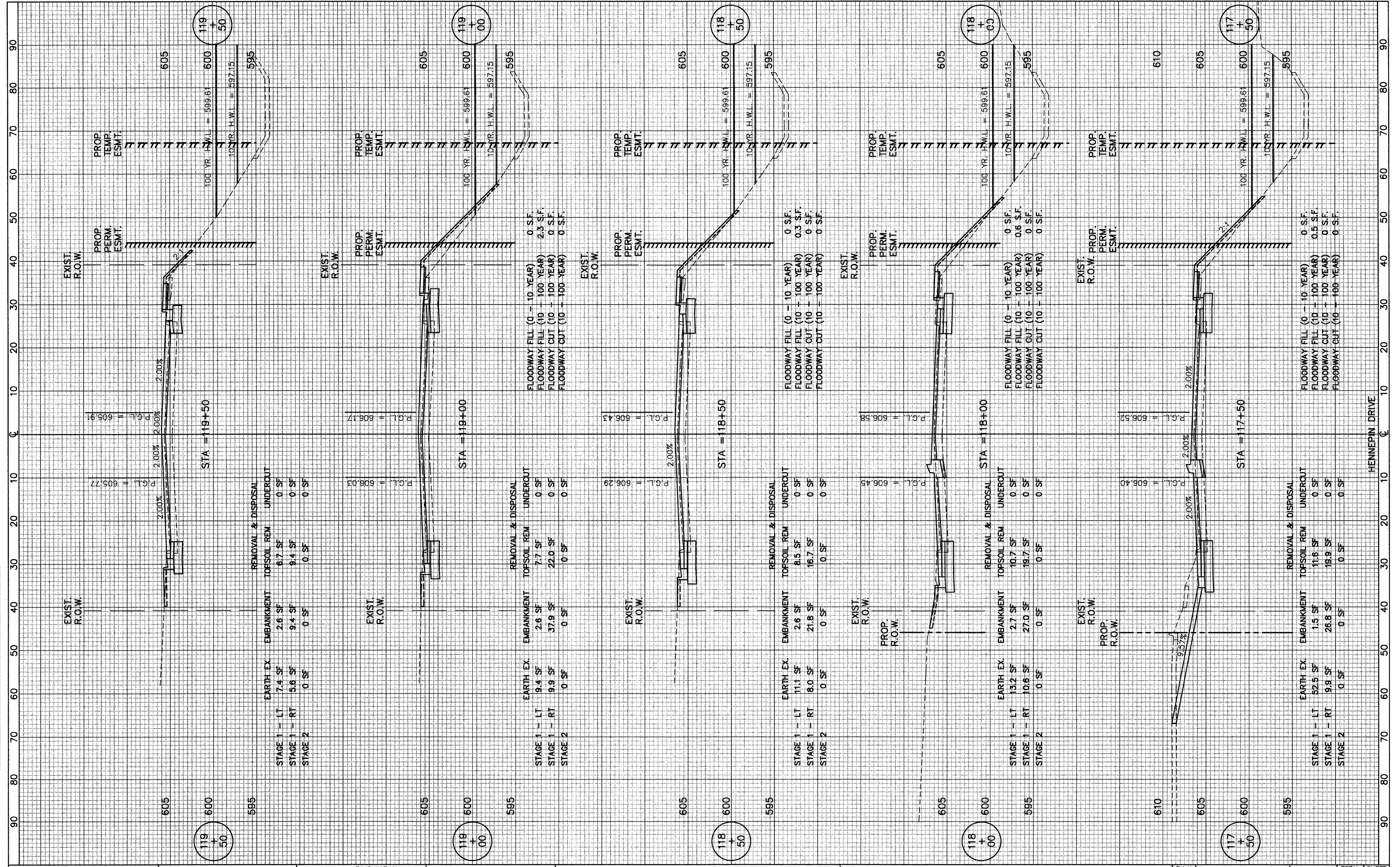
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ESSINGTON ROAD AT HENNEPIN DRIVE
SHEET NO. 14 OF 16 SHEETS
STA. 115+50 TO STA. 117+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	114
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 63185	
FED. AID PROJECT M-8003(654)				

DATE: _____ BY: _____
 ORIGINAL SURVEY: _____
 SURVEY PLOTTED: _____
 NOTE BOOK: _____
 AREAS CHECKED: _____

DATE: _____ BY: _____
 ORIGINAL SURVEY: _____
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FILE NAME = _____
 USER NAME = _____
 PLOT SCALE = _____
 PLOT DATE = _____

DESIGNED - <i>BLG/KRK</i>	REVISED -
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CHECKED - <i>DJK</i>	REVISED -
DATE - <i>5-29-09</i>	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

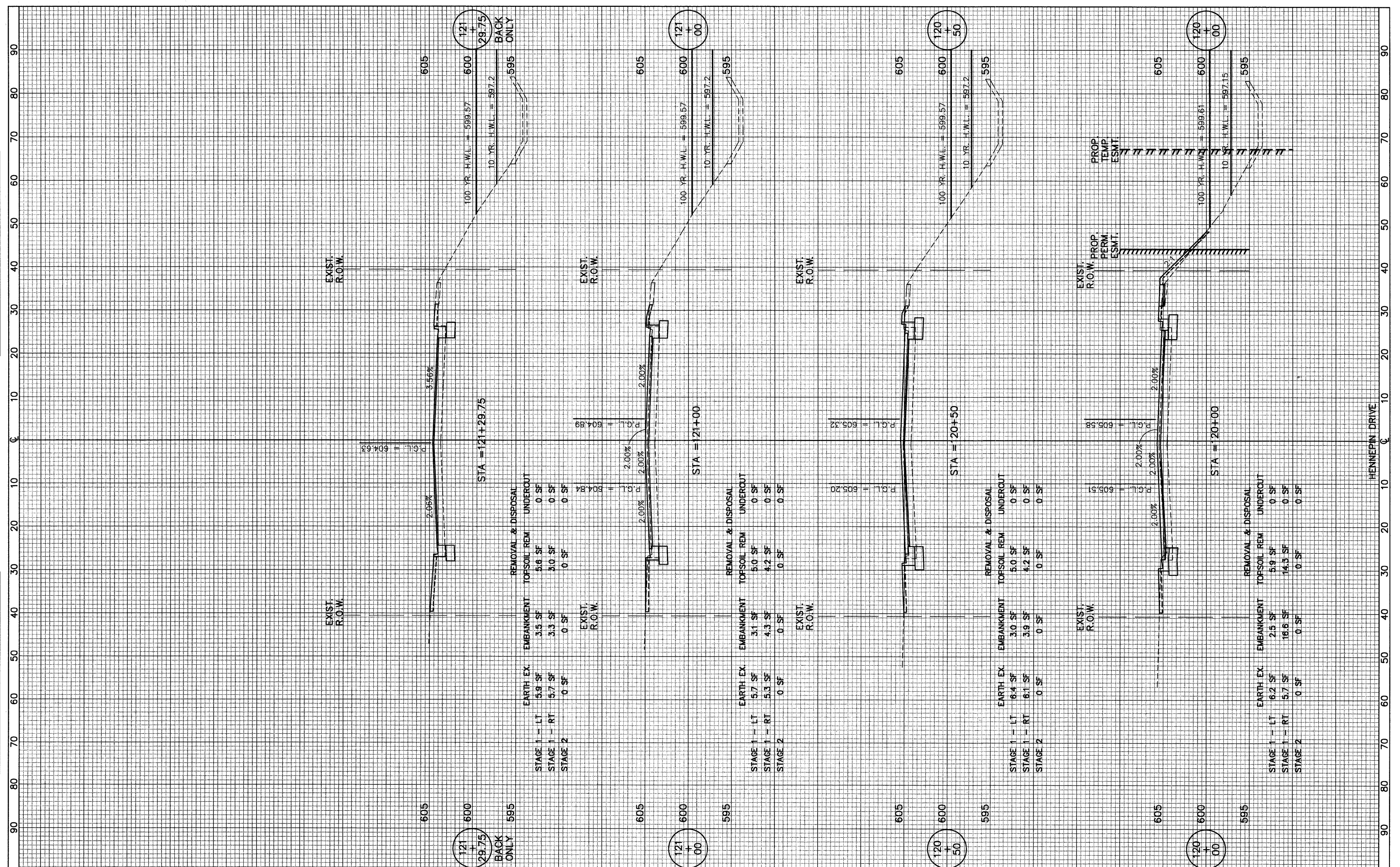
ESSINGTON ROAD AT HENNEPIN DRIVE

SHEET NO. 15 OF 16 SHEETS STA. 117+50 TO STA. 119+50

F.A.U. RTE. 0326	SECTION 06-00130-00-CH	COUNTY WILL	TOTAL SHEETS 116	SHEET NO. 115
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 63185	
			FED. AID PROJECT M-8003(654)	

FINAL SURVEY NO. _____
 SURVEYED BY _____ DATE _____
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 TEMPLATE AREAS CHECKED _____
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ORIGINAL SURVEY NO. _____
 SURVEYED BY _____ DATE _____
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FILE NAME = _____
 USER NAME = _____
 PLOT SCALE = _____
 PLOT DATE = _____

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DRAWN -	BLG/KRK	REVISED -	
CHECKED -	DJK	REVISED -	
DATE -	5-29-09	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ESSINGTON ROAD AT HENNEPIN DRIVE
 SHEET NO. 16 OF 16 SHEETS
 STA. 120+00 TO STA. 121+29.75

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0326	06-00130-00-CH	WILL	116	116
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 63185	
FED. AID PROJECT M-8003(654)				