

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	1
		ILLINOIS	CONTRACT NO. 60L79	

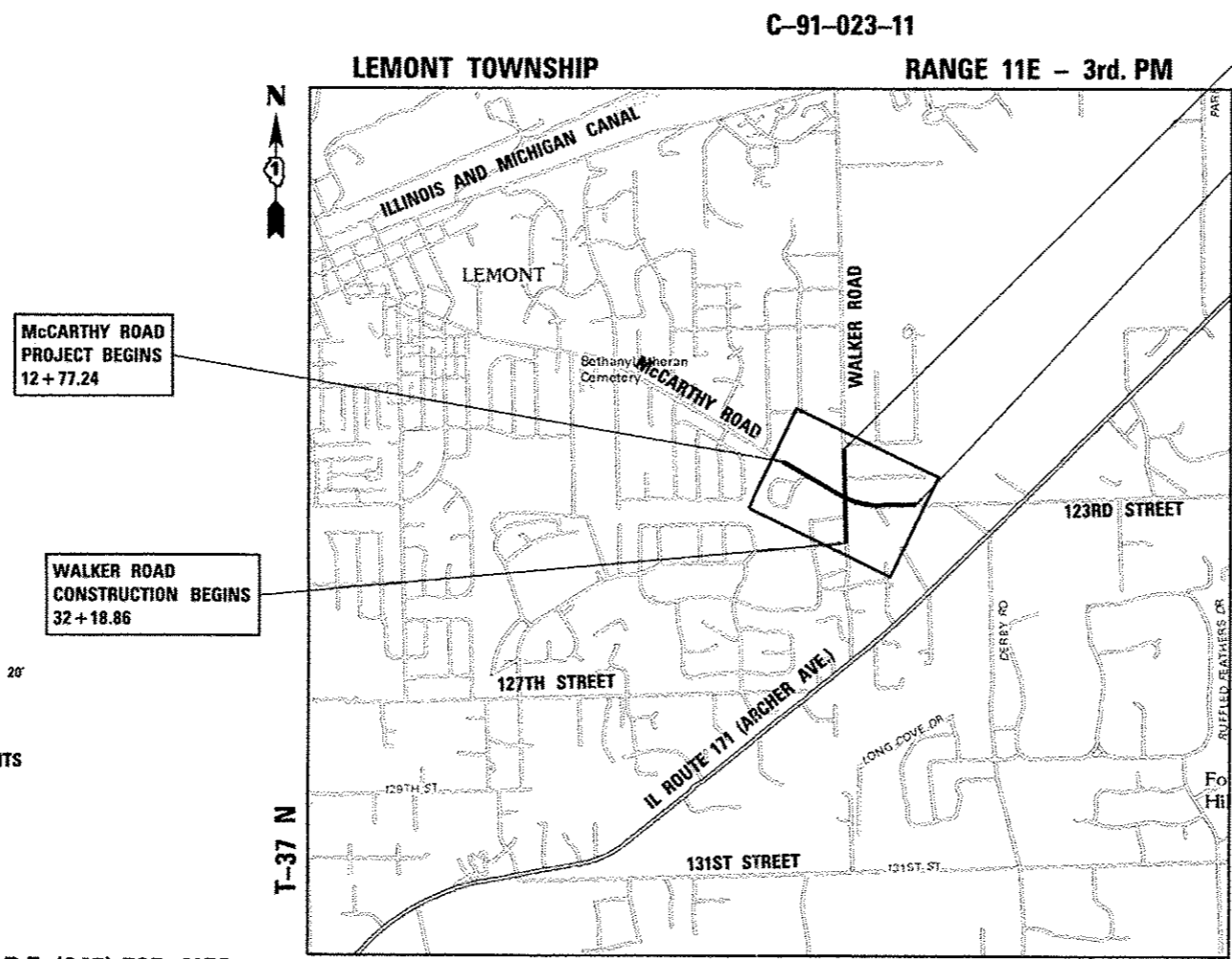
**DESIGN DESIGNATION**  
**MCCARTHY ROAD: OTHER PRINCIPAL ARTERIAL**  
**ADT 23,000 (2030)**  
**SPEED LIMIT 40 MPH**

**WALKER ROAD: LOCAL ROAD/STREET (URBAN)**  
**ADT 7,000 (2030)**  
**SPEED LIMIT 30 MPH**

**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

**PROPOSED**  
**HIGHWAY PLANS**  
**FAU ROUTE 1587 (MCCARTHY ROAD)**  
**AT WALKER ROAD**  
**SECTION 3098-R** *PROJ. ACM-1587(005)*  
**INTERSECTION CHANNELIZATION &**  
**TRAFFIC SIGNAL INSTALLATION**  
**COOK COUNTY**

**IMPROVEMENT LOCATED**  
**IN THE VILLAGE OF LEMONT, COOK COUNTY**



**WALKER ROAD**  
**CONSTRUCTION ENDS**  
**45 + 17.65**

**MCCARTHY ROAD**  
**PROJECT ENDS**  
**26 + 63.93**

**MCCARTHY ROAD**  
**PROJECT BEGINS**  
**12 + 77.24**

**WALKER ROAD**  
**CONSTRUCTION BEGINS**  
**32 + 18.86**



MATTHEW G. REMPFER  
 NO. 062-054553  
 EXPIRES 11-30-2013

SIGNED: *[Signature]*  
 DATE: 10-19-2012  
 FOR DRAWINGS: 1-56, 70-95



MIR ALIKHAN  
 NO. 062-054268  
 EXPIRES 11-30-2013

SIGNED: *[Signature]*  
 DATE: 10-17-2012  
 FOR DRAWINGS: 57-68, 69

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

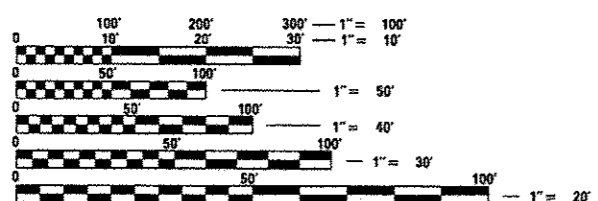
SUBMITTED *October 22, 2012*

*John Fortmann*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*Dec 7 2012*  
*John D. Baranelli* P.E./E.C.  
 ENGINEER OF DESIGN AND ENVIRONMENT

*Dec 7 2012*  
*William R. Frey*  
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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



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

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

**PROJECT MANAGER: MR. ISSAM RAYYAN, P.E. (847) 705-4178**  
**PROJECT ENGINEER: MR. ROBERT T. BORO, P.E. (847) 705-4237**

**CONTRACT NO. 60L79**

GROSS LENGTH = 2,700 FT. = 1.50 MILE  
 NET LENGTH = 2,700 FT. = 1.50 MILE

**COLLINS ENGINEERS**  
 123 N. WACKER DR., SUITE 300  
 CHICAGO, IL 60606  
 (312) 704-9300  
 ILLINOIS PROFESSIONAL DESIGN FIRM  
 LICENSE NO. 184-000993

INDEX OF SHEETS

1	TITLE SHEET
2	INDEX OF SHEETS, GENERAL NOTES AND HIGHWAY STANDARDS
3-14	SUMMARY OF QUANTITIES
15-18	TYPICAL SECTIONS
19	SCHEDULE OF QUANTITIES
20	ALIGNMENT, TIES, AND BENCHMARKS
21-24	REMOVAL PLAN
25-30	PLAN AND PROFILE
31-36	STAGING AND TRAFFIC CONTROL
37-39	EROSION AND SEDIMENT CONTROL
40-45	DRAINAGE PLAN
46	DRAINAGE SCHEDULE
47-52	PLAT OF HIGHWAYS
53	RAISED ISLAND DETAIL
54	INTERSECTION DETAIL
55	SUPERELEVATION DETAIL
56	PAVEMENT MARKING AND LANDSCAPING PLAN
57-68	TRAFFIC SIGNAL INSTALLATION PLAN (TS-1 - TS-12)
69	STREET LIGHTING PLAN (LTG-01)
70	BD01 - DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15'
71	BD02 - DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB IS LESS THAN 15'
72	BD08 - FRAMES AND LIDS ADJUSTMENT WITH MILLING; AND FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING
73	BD22 - PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
74	BD32 - BUTT JOINTS AND HMA TAPER
75	BD36 - FIRE HYDRANT TO BE MOVED
76	TC11 - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
77	TC13 - DISTRICT ONE TYPICAL PAVEMENT MARKINGS
78	TC16 - PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
79	TC22 - ARTERIAL ROAD INFORMATION SIGN
80	TC26 - DRIVEWAY ENTRANCE SIGNING
81-95	CROSS SECTIONS

INDEX OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001 - 06	SYMBOLS, ABBREVIATION, AND PATTERNS
280001 - 07	TEMPORARY EROSION CONTROL SYSTEMS
406201 - 01	MAILBOX TURNOUT, STATE SYSTEM
424001 - 07	PERPENDICULAR CURB RAMPS
424006 - 01	DIAGONAL CURB RAMPS
424011 - 01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
442201 - 03	CLASS C AND D PATCHES
482001 - 02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542001 - 03	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THROUGH 84"
542306 - 02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311 - 04	TRAVERSABLE PIPE GRATE
542401 - 01	METAL END SECTION FOR PIPE CULVERTS
602001 - 02	CATCH BASIN, TYPE A
602301 - 03	INLET TYPE A
602401 - 03	MANHOLE TYPE A
602601 - 02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701 - 02	MANHOLE STEPS
604001 - 03	FRAME AND LIDS, TYPE 1
604036 - 02	GRATE, TYPE B
604051 - 03	FRAME AND GRATE TYPE 11
604086 - 02	FRAME AND GRATE TYPE 23
604091 - 02	FRAME AND GRATE TYPE 24
606001 - 05	COMBINATION CONCRETE CURB AND GUTTER
606006 - 02	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24
606301 - 04	PCC ISLANDS AND MEDIANS
701006 - 04	OFF ROAD OPERATIONS 2L, 2W, 15 FEET TO 24 INCHES FROM PAVEMENT EDGE
701011 - 03	OFF ROAD MOVING OPERATIONS, DAY ONLY, 2L, 2W
701326 - 04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701501 - 06	URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
701801 - 05	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901 - 03	TRAFFIC CONTROL DEVICES
720001 - 01	SIGN PANEL MOUNTING DETAILS
720006 - 03	SIGN PANEL ERECTION DETAILS
720011 - 01	METAL POST FOR SIGNS, MARKERS, AND DELINEATORS
720016 - 03	MAST ARM MOUNTED STREET NAME SIGNS
782001	PRISMATIC CURB REFLECTORS
805001 - 01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001 - 02	HANDHOLES
814006 - 02	DOUBLE HANDHOLES
857001 - 01	STANDARD PHASE DESIGNATION DIAGRAM AND PHASE SEQUENCES
862001 - 01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001 - 02	TRAFFIC SIGNAL GROUNDING AND BONDING
876001 - 02	PEDESTRIAN PUSH BUTTON POST
877001 - 05	STEEL MAST ARM ASSEMBLY AND POLE 16' THRU 55'
878001 - 09	CONCRETE FOUNDATION DETAILS
880006 - 01	TRAFFIC SIGNAL MOUNTING DETAILS
886001 - 01	DETECTOR LOOP INSTALLATION

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

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

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

10 FT (3 M) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

PRIOR TO EMBANKMENT PLACEMENT, ALL VEGETATION, LOOSE MATERIAL, AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL. ANY EMBANKMENT WIDENING ON EXISTING SLOPES SHOULD BE BENCHED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

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

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW- PLOW RESISTANT) SHOWN IN THE PLANS.

THE RESIDENT ENGINEER SHALL CONTACT MS. PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, AT (708) 597-9800 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE UNIT WEIGHT USED TO CALCULATE ALL FERTILIZER QUANTITIES IS 90 LBS/ACRE FOR SEEDING AND 60 LBS/ACRE FOR SODDING.

THE DEPARTMENT HAS DETERMINED THAT IN STREAM WORK IS NOT REQUIRED FOR THE WORK SPECIFIED IN THIS CONTRACT. THE DEPARTMENT HAS NOT OBTAINED A 404 PERMIT. IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING A USACE 404 PERMIT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER USACE PERMIT.

THIS PROJECT WILL REQUIRE AUTHORIZATION UNDER NPDES ILR10 (SWPPP PERMIT).

CHANGEABLE MESSAGE SIGNS SHALL BE USED TO ANNOUNCE NEW SIGNAL TURN-ON FOR TWO (2) WEEKS PRIOR TO AND TWO (2) AFTER THE SIGNAL TURN-ON IN BOTH DIRECTIONS ALONG MCCARTHY ROAD AND WALKER ROAD.

I:\STUD\671218 - McCarthy at Walker Intersection\Info\CADD\GOOD SHEETS\88179.plt.dwg

FILE NAME :	USER NAME : mrcmpar	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MCCARTHY ROAD AND WALKER ROAD INDEX OF SHEETS, GENERAL NOTES, &amp; HIGHWAY STANDARDS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RG	REVISED -		1587	3098-R	COOK	95	2			
	PLOT SCALE : 2,0000' / 1" =	CHECKED - MGR	REVISED -		CONTRACT NO. 60L79							
	PLOT DATE : 10/26/2012	DATE - MARCH, 2012	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		







CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				URBAN		80% FED. / 20% STATE	80% FED/ 15% STATE / 5% LEMONT	<del>80% FED/ 15% STATE / 5% LEMONT</del>	100% LEMONT	<del>100% LEMONT</del>	<del>100% LEMONT</del>
				ROADWAY	TRAFFIC SIGNALS	TRAFFIC SIGNAL INTERCONNECT	SAFETY	EMERGENCY VEHICLE PREEMPTION (EVP)	LOCAL		
0004	0021	<del>0021</del>	0021	<del>0021</del>	<del>0021</del>						
35501312	HOT-MIX ASPHALT BASE COURSE, 7"	SQ YD	1341	1341							
35501316	HOT-MIX ASPHALT BASE COURSE, 8 1/2"	SQ YD	3298	3298							
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	8	8							
40600300	AGGREGATE (PRIME COAT)	TON	40	40							
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	978	978							
40600895	CONSTRUCTING TEST STRIP	EACH	2	2							
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	50	50							
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TONS	1405	1405							
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	99	99							
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	396	396							
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SQ FT	12365				12,365			12365	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH	SQ FT	334	334							
42400410	PORTLAND CEMENT CONCRETE SIDEWALK, 8 INCH	SQ FT	1234	1234							
42400800	DETECTABLE WARNINGS	SQ FT	134	134							
44000100	PAVEMENT REMOVAL	SQ YD	1380	1380							
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	7112	7112							

D:\ASSTEN\2012\12\18\1587-3098-R\1587-3098-R-005.dwg

Rev.

\* - DENOTES SPECIALTY ITEM

FILE NAME	USER NAME	DESIGNED	RG	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN	RG	REVISED									1587	3098-R	COOK	95	5		
	PLT SCALE	CHECKED	MGR	REVISED															
	PLT DATE	DATE	MARCH, 2012	REVISED														CONTRACT NO. 60L79	
												SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				URBAN		80% FED. / 20% STATE	80% FED/ 15% STATE / 5% LEMONT	<del>80% FED/ 15% STATE / 5% LEMONT</del>	100% LEMONT	<del>100% LEMONT</del>	<del>100% LEMONT</del>
				ROADWAY	TRAFFIC SIGNALS	TRAFFIC SIGNAL INTERCONNECT	SAFETY	EMERGENCY VEHICLE PREEMPTION (EVP)	LOCAL		
0004	0021	<del>0021</del>	0021	<del>0021</del>	<del>0021</del>						
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1568	1568							
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1189	1189							
44000600	SIDEWALK REMOVAL	SQ FT	864	864							
44201839	CLASS D PATCHES, TYPE II, 16 INCH	SQ YD	26	26							
44201843	CLASS D PATCHES, TYPE III, 16 INCH	SQ YD	38	38							
44201845	CLASS D PATCHES, TYPE IV, 16 INCH	SQ YD	27	27							
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	5262	5262							
48101600	AGGREGATE SHOULDERS, TYPE B, 8"	SQ YD	379	379							
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	813	813							
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1							
50105220	PIPE CULVERT REMOVAL	FOOT	774	774							
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4	4							
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2	2							
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1							
54214731	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - ELLIPTICAL, EQUIVALENT ROUND-SIZE 36"	EACH	1	1							
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	99	99							

Rev.

\* - DENOTES SPECIALTY ITEM

FILE NAME: 15	USER NAME: jgoff	DESIGNED: RG	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 6
PROJECT: I-55/US-41	PROJECT NO: 100000000	DRAWN: RG	REVISED:		SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60L79				
PROJECT TITLE: I-55/US-41	DATE: MARCH, 2012	CHECKED: MGR	REVISED:										
		DATE: MARCH, 2012	REVISED:										

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				<del>80% FED - 20% STATE</del>	80% FED/ 15% STATE/ 5% LEMONT	<del>80% FED/ 15% STATE/ 5% LEMONT</del>	100% LEMONT	<del>100% LEMONT</del>	<del>100% LEMONT</del>	
				ROADWAY	TRAFFIC SIGNALS	<del>TRAFFIC SIGNAL INTERCONNECT</del>	SAFETY	<del>EMERGENCY VEHICLE PREEMPTION (EVP)</del>	<del>LOCAL</del>	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	237	237						
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	469	469						
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	500	500						
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	325	325						
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	57	57						
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	250	250						
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	256	256						
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	94	94						
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	145	145						
550A4500	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	210	210						
55100500	STORM SEWER REMOVAL 12"	FOOT	35	35						
55100900	STORM SEWER REMOVAL 18"	FOOT	50	50						
55101200	STORM SEWER REMOVAL 24"	FOOT	618	618						
56400100	FIRE HYDRANTS TO BE MOVED	EACH	2	2						
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	5	5						
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2	2						

Rev.  
- - DENOTES SPECIALTY ITEM

FILE NAME:	USER NAME: rgall	DESIGNED: RG	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.U. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 7
PLST SCALE: 1/8"=1'-0"	CHECKED: MDR	DATE: MARCH, 2012	REVISED:	SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60L79							

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				<i>URBAN</i>	80% FED. / 15% STATE / 5% LEMONT	80% FED. / 15% STATE / 5% LEMONT	100% LEMONT	100% LEMONT	100% LEMONT	
				ROADWAY	TRAFFIC SIGNALS	<del>TRAFFIC SIGNAL INTERCONNECT</del>	SAFETY	<del>EMERGENCY VEHICLE PREEMPTION (EVP)</del>	<del>LOCAL</del>	
6010060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2	2						
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	694	694						
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	5	5						
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	1	1						
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	2	2						
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3	3						
60204505	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	6	6						
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	4	4						
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	3	3						
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	9	9						
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	2	2						
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	1	1						
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	1	1						
60255500	MANHOLES TO BE ADJUSTED	EACH	6	6						
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	3	3						

Rev.  
 \* - DENOTES SPECIALTY ITEM

FILE NAME	USER NAME	DESIGNED - RG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN - RG	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	1587	3098-R	COOK	95	6
		CHECKED - MGR	REVISED -												
		DATE - MARCH, 2012	REVISED -												

CONTRACT NO. 60L79  
ILLINOIS FED. AID PROJECT

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				80% FED. / 20% STATE	80% FED/ 15% STATE / 5% LEMONT	80% FED/ 15% STATE / 5% LEMONT	100% LEMONT	100% LEMONT	100% LEMONT	
				URBAN	ROADWAY	TRAFFIC SIGNALS	TRAFFIC SIGNAL-INTERCONNECT	SAFETY	EMERGENCY VEHICLE PREEMPTION (EVP)	LOCAL
				0004	0021	0021	0021	0021	0021	
60260100	INLETS TO BE ADJUSTED	EACH	3	3						
60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	2	2						
60500060	REMOVING INLETS	EACH	4	4						
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	29	29						
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1076	1076						
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1691	1691						
60618320	CONCRETE MEDIAN SURFACE, 6 INCH	SQ FT	1100	1100						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12						
67100100	MOBILIZATION	L SUM	1	1						
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2						
70300100	SHORT TERM PAVEMENT MARKING	FOOT	305	305						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2941	2941						
* 72000100	SIGN PANEL - TYPE 1	SQ FT	81	48	33					
* 72400100	REMOVE SIGN PANEL ASSEMBLY-TYPE A	EACH	1	1						
* 72400200	REMOVE SIGN PANEL ASSEMBLY-TYPE B	EACH	3	3						
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	11	11						

Rev.  
 \* - DENOTES SPECIALTY ITEM

FILE NAME	USER NAME	DESIGNED	RG	REVISED	RG	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN	RG	REVISED	RG		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	1587	3098-R	COOK	95	9
		CHECKED	MGR	REVISED	MGR												
		DATE	MARCH, 2012	REVISED	MARCH, 2012												CONTRACT NO. 60L79

H:\210\67012 - McArthur, Kellie - Interchange Top CAD\000000 SHEETS\PLAN\PLAN-500.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				URBAN	80% FED. / 20% STATE	80% FED/ 15% STATE / 5% LEMONT	<del>80% FED/ 15% STATE / 5% LEMONT</del>	100% LEMONT	<del>100% LEMONT</del>	400%
				ROADWAY	TRAFFIC SIGNALS	<del>TRAFFIC SIGNAL INTERCONNECT</del>	SAFETY	<del>EMERGENCY VEHICLE PREEMPTION (EVP)</del>	<del>LOCAL</del>	
				0004	0021	<del>0021</del>	0021	<del>0021</del>	<del>0021</del>	
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	9	9						
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2						
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	240	240						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10313	10313						
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1435	1435						
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	416	416						
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	727	727						
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	173	173						
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	153	153						
78100300	REPLACEMENT REFLECTOR	EACH	18	18						
78300100	PAVEMENT MARKING REMOVAL	SQ FT	408	408						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	69	69						
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1					
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1754		1754					
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	25		25					
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	61		61					

I:\8710-0718-08 - McFarley at Railcar - Intersections - Rep-600-CADD - SHEETS\601-781-11-000.dwg

Rev.

\* - DENOTES SPECIALTY ITEM

FILE NAME	USER NAME	DESIGNED	RG	REVISED		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				P.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN	RG	REVISED			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	1587	3098-R	COOK	95	10
		CHECKED	MGR	REVISED													
		DATE	MARCH, 2012	REVISED													CONTRACT NO. 60L79

ILLINOIS FED. AID PROJECT



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				URBAN					
				ROADWAY 0004	80% FED/ 15% STATE/ 5% LEMONT TRAFFIC SIGNALS 0021	<del>80% FED/ 15% STATE/ 5% LEMONT TRAFFIC SIGNAL INTERCONNECT 0021</del>	100% LEMONT SAFETY 0021	<del>400% LEMONT EMERGENCY VEHICLE PREEMPTION (EVP) 0021</del>	<del>400% LEMONT LOCAL 0021</del>
81028230	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	27		27				
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	661		661				
81400100	HANDHOLE	EACH	6		6				
81400200	HEAVY-DUTY HANDHOLE	EACH	6		6				
81400300	DOUBLE HANDHOLE	EACH	2		2				
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1				1		
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2				2		
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1		1				
86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1		1				
86400100	TRANSCEIVER - FIBER OPTIC	EACH	2		2				
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2533		2533				
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3061		467		2594		
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1457		1457				
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1481		1481				
87301295	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	467		467				
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1745		1745				

15-0710-0710-05 - MacCarty & Nelson Interchange Improvement Project - SHEET 15-0710-0710-05

Rev.  
- - DENOTES SPECIALTY ITEM

FILE NAME:	USER NAME:	DESIGNED: RG	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.U. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 11	CONTRACT NO. 60L79	
		DRAWN: RG	REVISED:															
		CHECKED: MGR	REVISED:															
		DATE: MARCH, 2012	REVISED:									SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				URBAN	<del>80% FED. / 20% STATE</del>	80% FED/ 15% STATE / 5% LEMONT	<del>80% FED/ 15% STATE / 5% LEMONT</del>	100% LEMONT	<del>100% LEMONT</del>	<del>100% LEMONT</del>	
				ROADWAY	TRAFFIC SIGNALS	<del>TRAFFIC SIGNAL INTERCONNECT</del>	<del>SAFETY</del>	SAFETY	<del>EMERGENCY VEHICLE PREEMPTION (EVP)</del>	<del>LOCAL</del>	
87301732	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 20 3C	FOOT	467					467			
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	80		80						
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	563		563						
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2		2						
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2		2						
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1		1						
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1						
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1						
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1		1						
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16						
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4						
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60		60						
87900200	DRILL EXISTING HANDHOLE	EACH	1		1						
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4		4						
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		4						
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4		4						

Rev.

\* - DENOTES SPECIALTY ITEM

FILE NAME: I:\6710-6712-18 - Asst. Intersectio... Eng\ASST-18-17-18-1500.dwg	USER NAME: rgnll	DESIGNED: RG	REVISIONS:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 12
PLANT SCALE: 1/8"=1'-0"	PLANT DATE: 10/24/2012	DRAWN: RG	CHECKED: MGR	DATE: MARCH, 2012	SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60L79				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				URBAN	80% FED- 20% STATE	80% FED/ 15% STATE/ 5% LEMONT	80% FED/ 15% STATE/ 5% LEMONT	100% LEMONT	100% LEMONT	100% LEMONT
				ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNAL INTERCONNECT <del>0021</del>	SAFETY 0021	EMERGENCY VEHICLE PREEMPTION (EVP) <del>0021</del>	LOCAL <del>0021</del>	
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6		6					
88102757	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2		2					
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8		8					
88500100	INDUCTIVE LOOP DETECTOR	EACH	8		8					
88600100	DETECTOR LOOP, TYPE I	FOOT	862		862					
88700200	LIGHT DETECTOR	EACH	2				2			
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2				2			
A2016616	TREE, QUERCUS ELLIPSOIDALIS (HILL'S OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4						
B2001666	TREE, CRATAEGUS CRUSGALLI INERMIS (THORNLESS COCKSPUR HAWTHORN), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	8	8						
K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	1	1						
X0301852	DEWATERING STRUCTURE NO. 1	EACH	2	2						
X0327301	RELOCATE EXISTING MAILBOX	EACH	8	8						
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	13	13						
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE ENTRANCE)	EACH	7	7						
X4023000	TEMPORARY ACCESS (ROAD)	EACH	4	4						
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	8	8						

Rev.

- - DENOTES SPECIALTY ITEM

FILE NAME:	USER NAME: jgall	DESIGNED: RG	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SUMMARY OF QUANTITIES				F.A.U. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 13			
	PLOT SCALE: 1/8"=1'-0"	DRAWN: RG	REVISIONS:																
	PLOT DATE: 10/29/2012	CHECKED: MGR	DATE: MARCH, 2012									CONTRACT NO. 60L79							
SCALE:												SHEET NO. OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT			

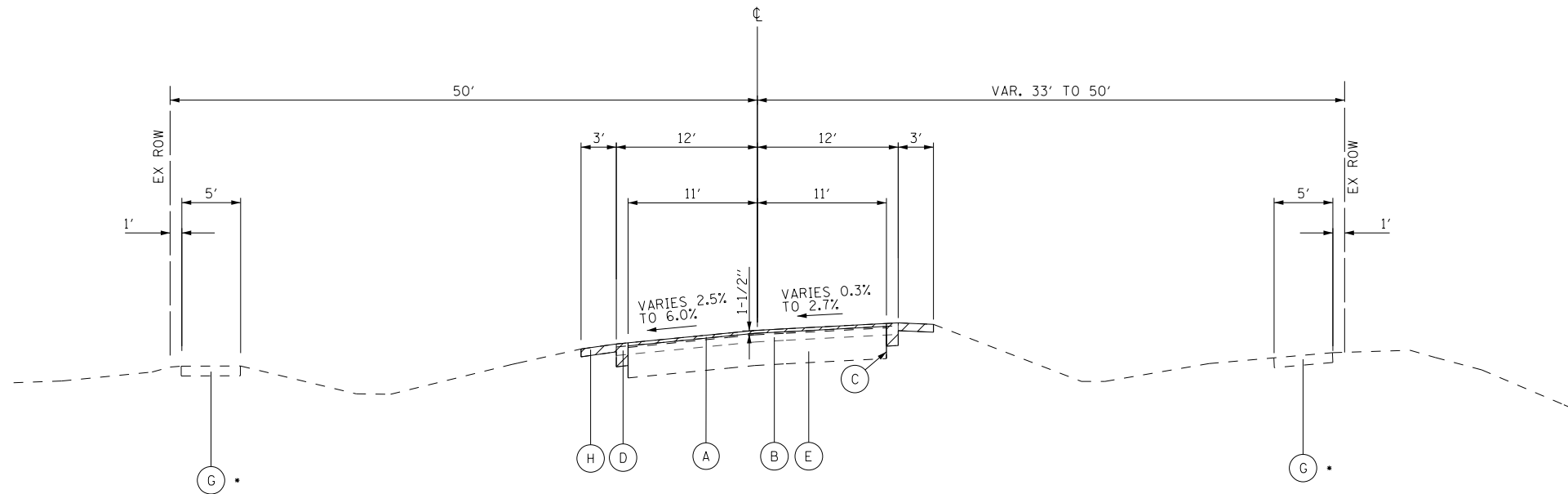
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				80% FED. 20% STATE	80% FED/ 15% STATE/ 5% LEMONT	80% FED/ 15% STATE/ 5% LEMONT	100% LEMONT	100% LEMONT	100% LEMONT		
				ROADWAY 0004	TRAFFIC SIGNALS 0021	TRAFFIC SIGNAL INTERCONNECT <del>0024</del>	SAFETY 0021	EMERGENCY VEHICLE PREEMPTION (EVP) <del>0024</del>	LOCAL <del>0021</del>		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1							
X7030030	WET REFLECTIVE TEMPORARY TAPE TYPE III, 4 INCH	FOOT	8496	8496							
X7030055	WET REFLECTIVE TEMPORARY TAPE TYPE III, 24 INCH	FOOT	54	54							
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1600		1600						
Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	573	573							
Z0004538	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 10"	SQ YD	290	290							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1							
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	191	191							
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4				4				
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	65	65							
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	12	12							
Z0056614	STORM SEWER (WATER MAIN REQUIREMENTS) 21 INCH	FOOT	95	95							
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	294	294							
Z0076600	TRAINEES	HOOR									

Rev.

- - DENOTES SPECIALTY ITEM

FILE NAME	USER NAME	DESIGNED	RG	REVISED		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN	RG	REVISED			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	1587	3098-R	COOK	95	14
		CHECKED	MGR	REVISED													CONTRACT NO. 60L79
		DATE	MARCH, 2012	REVISED												ILLINOIS FED. AID PROJECT	





McCARTHY ROAD  
EXISTING TYPICAL SECTION  
STA 21+40.81 TO STA 26+00.90

THE CONTRACTOR SHALL MILL FIRST  
BEFORE PATCHING

**EXISTING LEGEND**

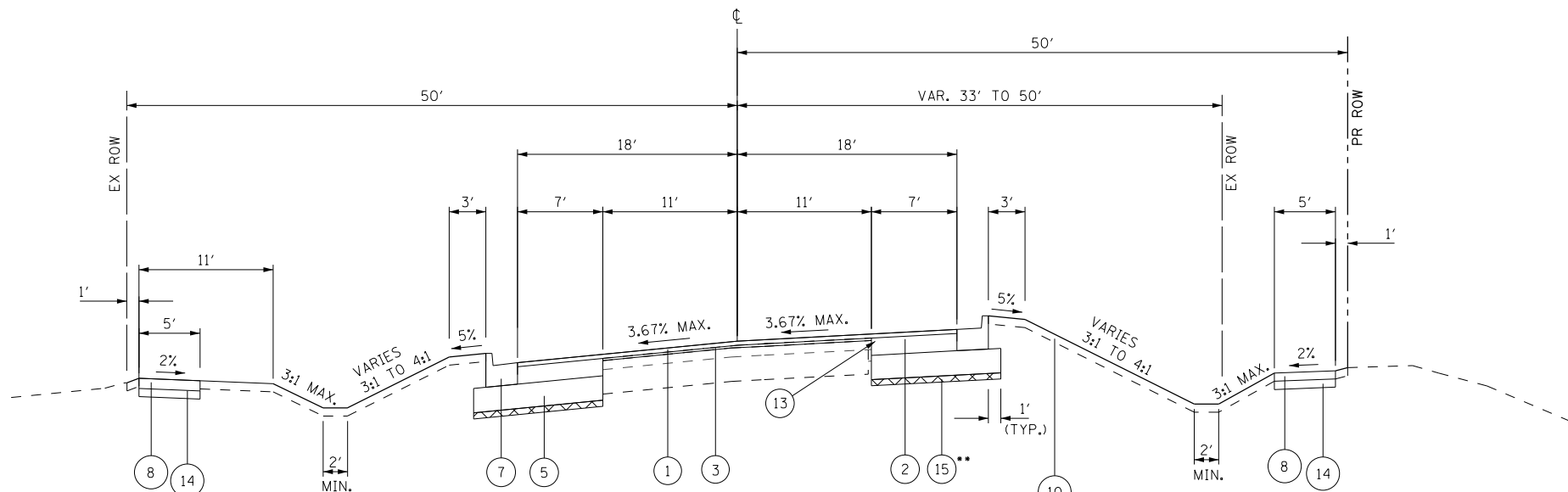
- (A) HMA SURFACE COURSE REMOVAL, 1-1/2"
- (B) EXISTING BITUMINOUS SURFACE APPROX. 6-1/4"
- (C) SAWCUT. INCLUDED IN THE COST OF PAVEMENT REMOVAL.
- (D) EXISTING HMA WIDENING (TO BE REMOVED)
- (E) EXISTING PCC PAVEMENT (10")
- (F) EXISTING AGGREGATE SHOULDER (TO BE REMOVED)
- (G) EXISTING PCC SIDEWALK
- (H) EXISTING PCC SIDEWALK (TO BE REMOVED)

• LEFT: STA. 22+05 TO STA. 25+40  
RIGHT: WALKER ROAD TO STA. 21+95

\*\* 12" - STA. 12+77 TO STA. 14+00  
6" - STA. 24+50 TO STA. 26+63

**PROPOSED LEGEND**

- (1) PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"
- (2) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 8 1/2"  
TO BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, 8 1/2"
- (3) PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" MIN.
- (5) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) PROPOSED HMA SHOULDER, 6" (2 LIFTS)
- (7) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) PROPOSED PCC SIDEWALK, 5"
- (9) PROPOSED AGGREGATE SHOULDER, TYPE B, 8"
- (10) TOPSOIL, FURNISH AND PLACE, 4"
- (11) SEEDING, CLASS 2A
- (13) PROPOSED STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (14) SUBBASE GRANULAR MATERIAL, TYPE B 4"
- (15) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT



STA. 25+40  
TO STA. 26+63.93

McCARTHY ROAD  
PROPOSED TYPICAL SECTION  
STA 21+40.81 TO STA 26+00.90

I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-supracal-McCarthy.dgn

FILE NAME =	USER NAME = rge11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 13.3400' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

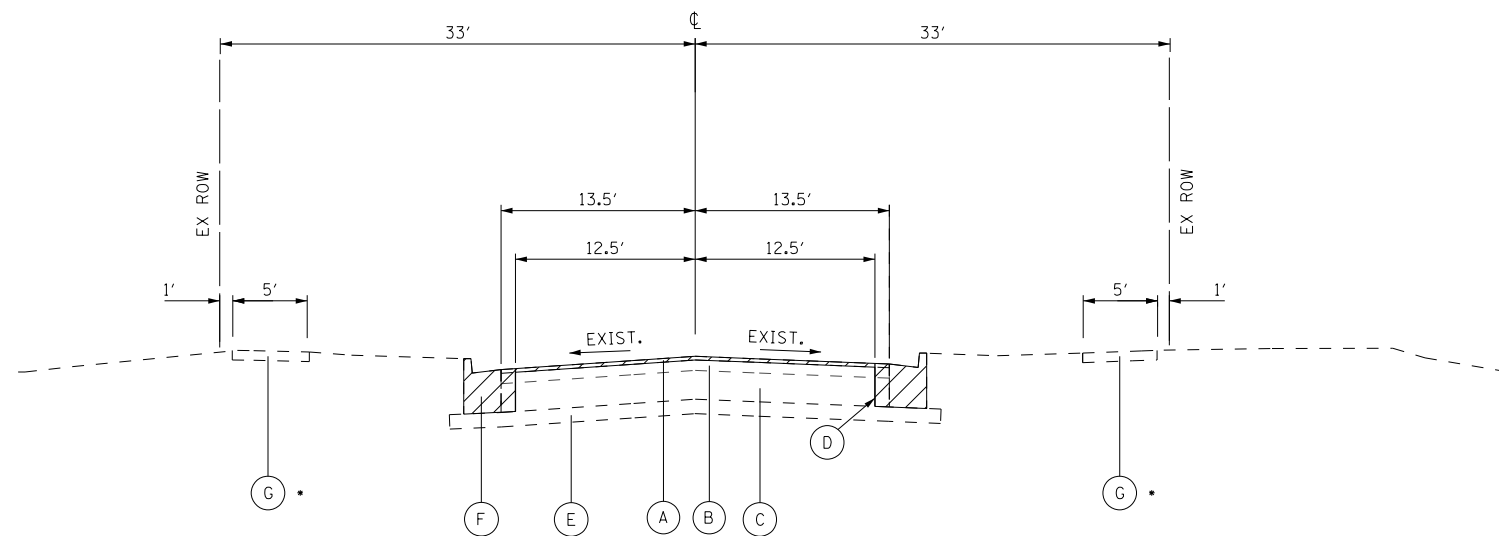
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MCCARTHY ROAD AT WALKER ROAD  
TYPICAL SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	16
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				





WALKER ROAD  
EXISTING TYPICAL SECTION  
STA 32+18.86 TO STA 37+12.78

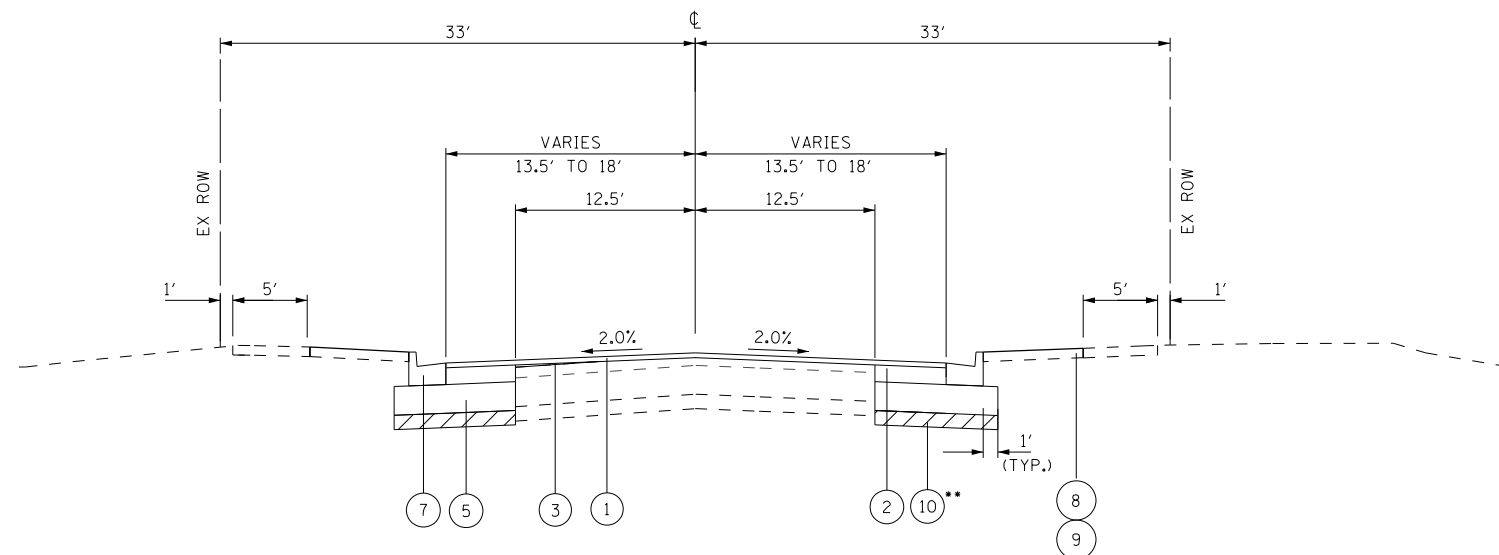
WALKER ROAD  
EXISTING TYPICAL SECTION  
McCARTHY INTERSECTION OMISSION  
STA 37+12.78 TO STA 38+60.24

THE CONTRACTOR SHALL MILL FIRST  
BEFORE PATCHING

EXISTING LEGEND

- (A) EXISTING HMA SURFACE REMOVAL, 1-1/2"
- (B) EXISTING HMA BINDER COURSE
- (C) EXISTING HMA BASE COURSE
- (D) SAWCUT. INCLUDED IN THE COST OF PAVEMENT REMOVAL
- (E) EXISTING SUBGRADE GRANULAR MATERIAL
- (F) EXISTING PCC CURB & GUTTER (TO BE REMOVED)
- (G) EXISTING PCC SIDEWALK

- LEFT: STA 32+18.86 TO STA 36+49.88 AND FROM McCARTHY ROAD TO STA 41+78
- RIGHT: STA 32+18.86 TO McCARTHY ROAD
- 12" - STA. 34+00 TO STA. 38+00



WALKER ROAD  
PROPOSED TYPICAL SECTION  
STA 32+18.86 TO STA 36+09.81

WALKER ROAD  
PROPOSED TYPICAL SECTION  
McCARTHY INTERSECTION OMISSION  
STA 36+09.81 TO STA 39+65.27

PROPOSED LEGEND

- (1) PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"
- (2) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 7"  
TO BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, 7"
- (3) PROPOSED HMA POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" MIN.
- (5) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) PROPOSED HMA SHOULDER, 6" (2 LIFTS)
- (7) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (8) TOPSOIL, FURNISH AND PLACE, 4"
- (9) SEEDING, CLASS 2A
- (10) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT

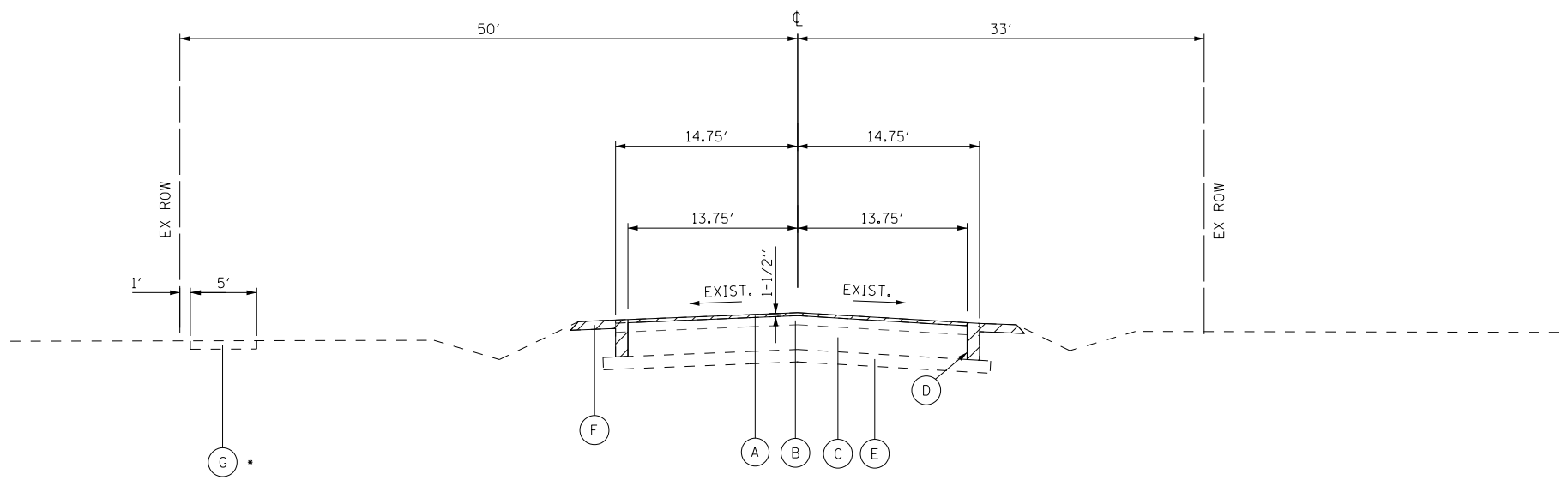
I:\6710\6710\_18 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-supcal-Walker.dgn

FILE NAME =	USER NAME = rge11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 13.3400' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>MCCARTHY ROAD AT WALKER ROAD TYPICAL SECTIONS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	17
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				



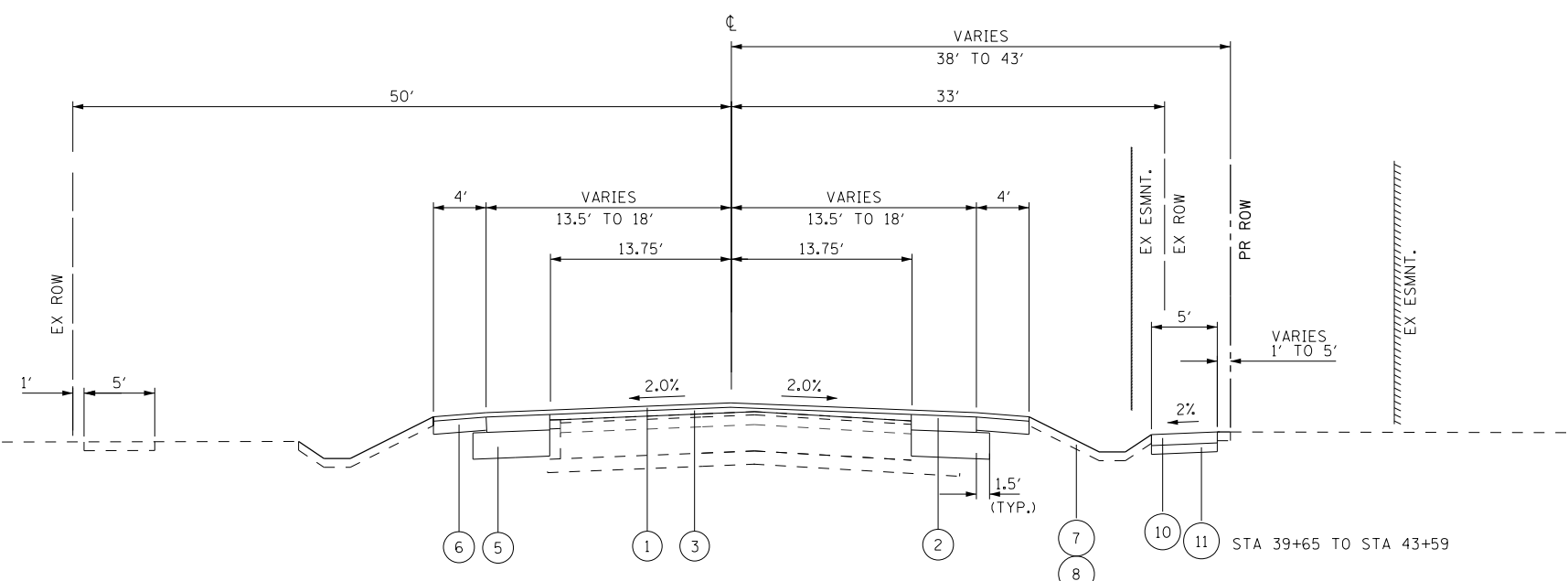
WALKER ROAD  
EXISTING TYPICAL SECTION  
STA 38+60.24 TO STA 45+17.65

THE CONTRACTOR SHALL MILL FIRST  
BEFORE PATCHING

EXISTING LEGEND

- (A) EXISTING HMA SURFACE REMOVAL, 1-1/2"
- (B) EXISTING HMA BINDER COURSE
- (C) EXISTING HMA BASE COURSE
- (D) SAWCUT, INCLUDED IN THE COST OF PAVEMENT REMOVAL
- (E) EXISTING SUBGRADE GRANULAR MATERIAL
- (F) EXISTING PCC CURB & GUTTER (TO BE REMOVED)
- (G) EXISTING PCC SIDEWALK

• LEFT: STA 32+18.86 TO STA 36+49.88 AND  
FROM MCCARTHY ROAD TO STA 41+78  
RIGHT: STA 32+18.86 TO MCCARTHY ROAD



WALKER ROAD  
PROPOSED TYPICAL SECTION  
STA 39+65.27 TO STA 45+17.65

PROPOSED LEGEND

- (1) PROPOSED HMA SURFACE COURSE, MIX "D", N70, 2"
- (2) PROPOSED HMA BINDER COURSE, IL-19.0, N70, 7"  
TO BE PAID FOR AS HOT-MIX ASPHALT BASE COURSE, 7"
- (3) PROPOSED HMA POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" MIN.
- (5) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- (6) PROPOSED HMA SHOULDER, 6" (2 LIFTS)
- (7) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (8) TOPSOIL, FURNISH AND PLACE, 4"
- (9) SEEDING, CLASS 2A
- (10) PROPOSED AGGREGATE SUBGRADE IMPROVEMENT
- (11) SUBBASE GRANULAR MATERIAL, TYPE B 4"

I:\6710\6710\_18 - McCarthy at Walker Intersection\_imp\CADD\CADD\_SHEETS\60L79-ht-supacal-Walker.dgn

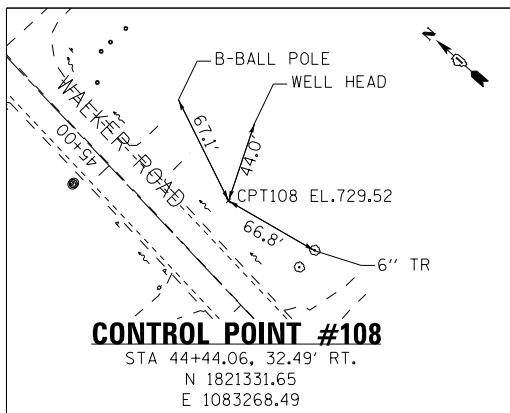
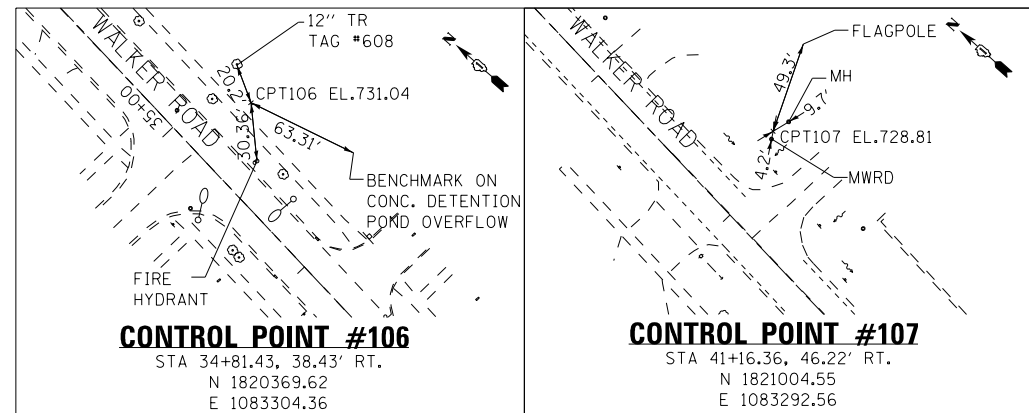
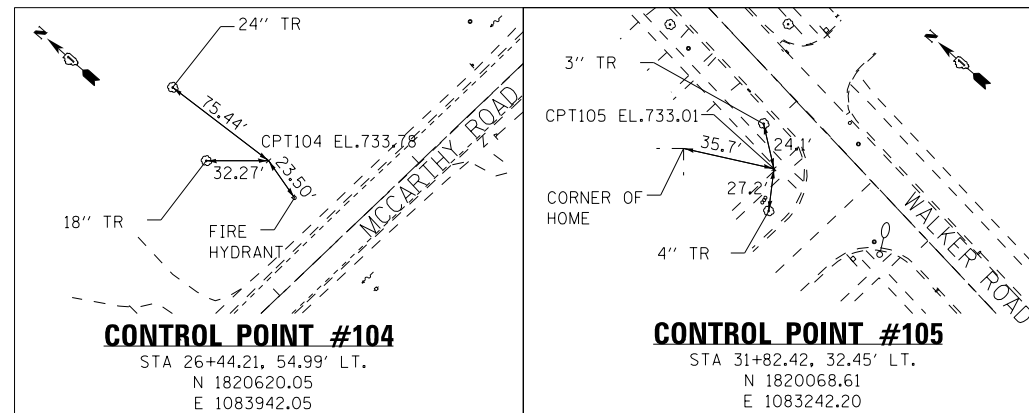
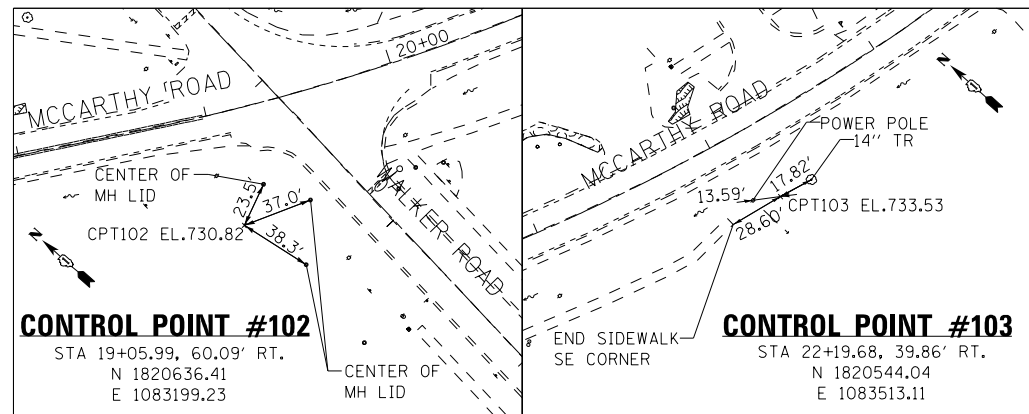
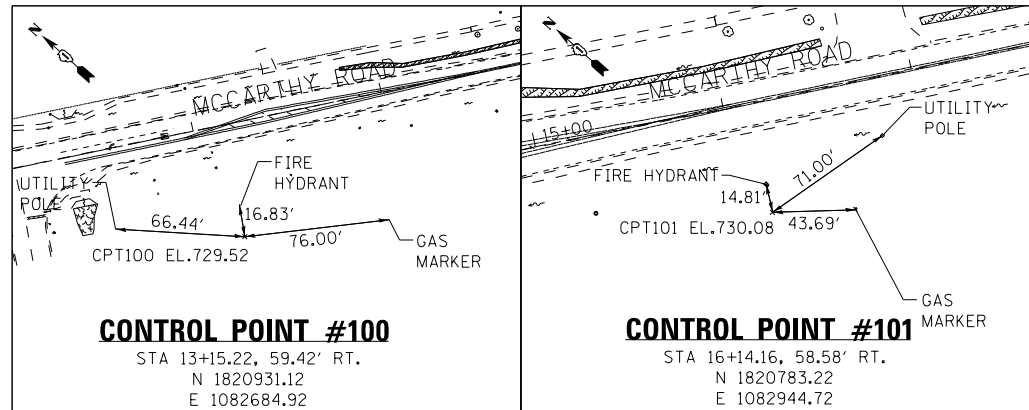
FILE NAME =	USER NAME = r9e11	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MCCARTHY ROAD AT WALKER ROAD TYPICAL SECTIONS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RG	REVISED -					1587	3098-R	COOK	95	18
	PLOT SCALE = 13.3400' / in.	CHECKED - MGR	REVISED -		CONTRACT NO. 60L79							
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

1	2	3	4	5	6	7
LOCATION	EARTH EXCAVATION	UNSUITABLE OR UNSTABLE MATERIAL	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	TOP SOIL FURNISH AND PLACE
	CU YD	CU YD	CU YD	CU YD	CU YD	SQ YD
McCarthy Road	1290	3365	1097	2705	-1609	6114
Walker Road	835	1470	710	395	315	3703
TOTAL	2125	4835	1806	3100	-1294	9817

EARTHWORK

I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-schedule.dgn

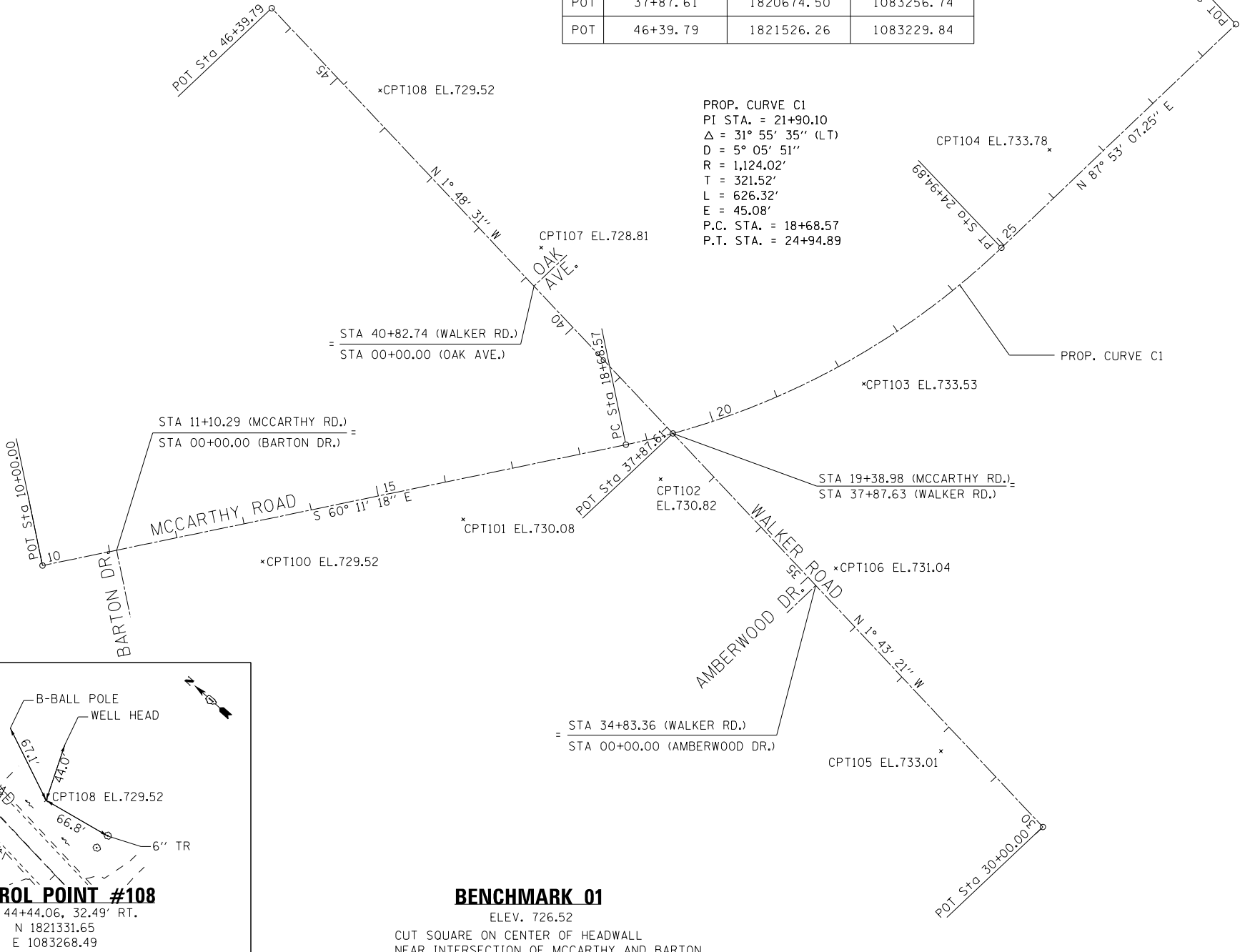
FILE NAME =	USER NAME = rge11	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RG	REVISED -					1587	3098-R	COOK	95	19
	PLOT SCALE = 100.0000' / in.	CHECKED - MGR	REVISED -		CONTRACT NO. 60L79							
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				



ALIGNMENT COORDINATES - MCCARTHY RD.			
STATION	N	E	
POT	10+00.00	1821139.38	1082440.96
PC	18+68.57	1820707.57	1083194.58
PT	24+94.89	1820559.59	1083794.87
POT	29+67.10	1820577.02	1084266.75

ALIGNMENT COORDINATES - WALKER RD.			
STATION	N	E	
POT	30+00.00	1819887.25	1083280.41
POT	37+87.61	1820674.50	1083256.74
POT	46+39.79	1821526.26	1083229.84



**BENCHMARK 01**  
ELEV. 726.52  
CUT SQUARE ON CENTER OF HEADWALL  
NEAR INTERSECTION OF MCCARTHY AND BARTON

**BENCHMARK 02**  
ELEV. 730.03  
CUT SQUARE ON THE WNW EDGE OF A  
DRAINAGE STRUCTURE AT ENTRANCE TO  
LEMONT CENTER (ON E. SIDE OF WALKER)

**BENCHMARK 03**  
ELEV. 731.29  
CUT SQUARE ON TOP/CURB AT SE QUADRANT  
OF OAK & WALKER INTERSECTION AT  
ROSEWOOD COURT CENTER

- NOTES:
- HORIZONTAL COORDINATES ARE BASED UPON AN ADJUSTED TRAVERSE ON IL EAST STATE PLANE (GRID - US SURVEY FEET), WHICH HAVE BEEN SHIFTED BY -0.569'N AND +0.835'E.
  - VERTICAL ELEVATIONS ARE BASED UPON NAVD88, SHIFTED -0.085'.

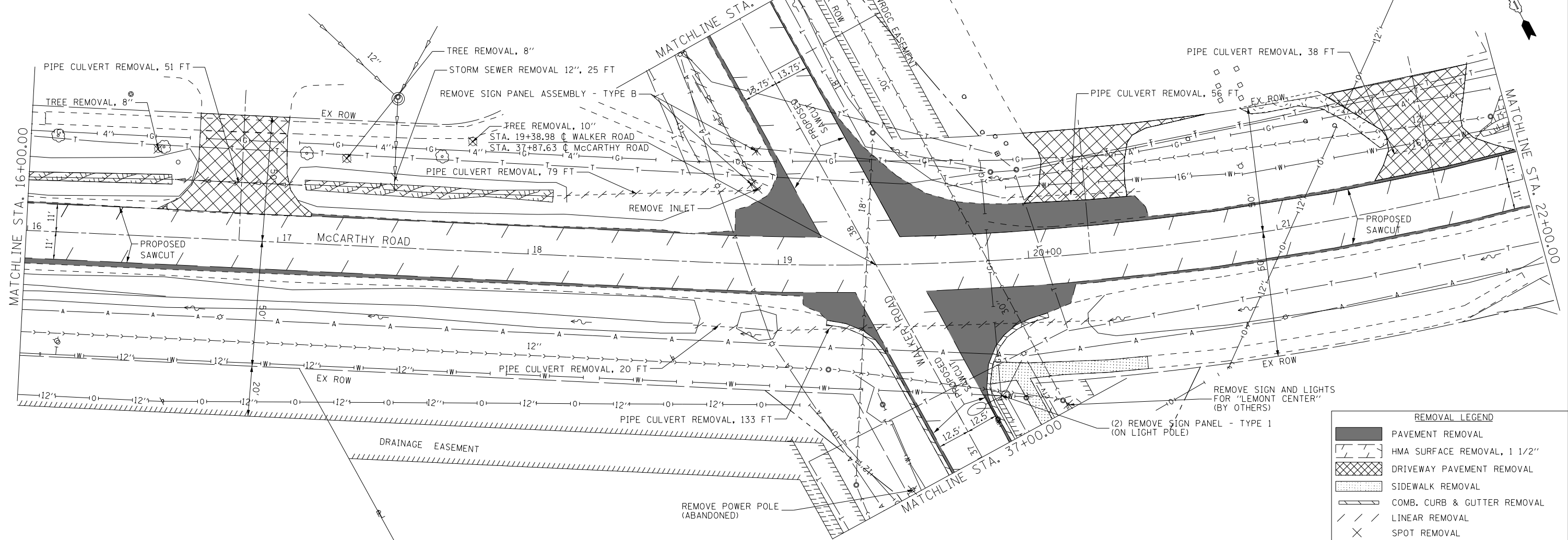
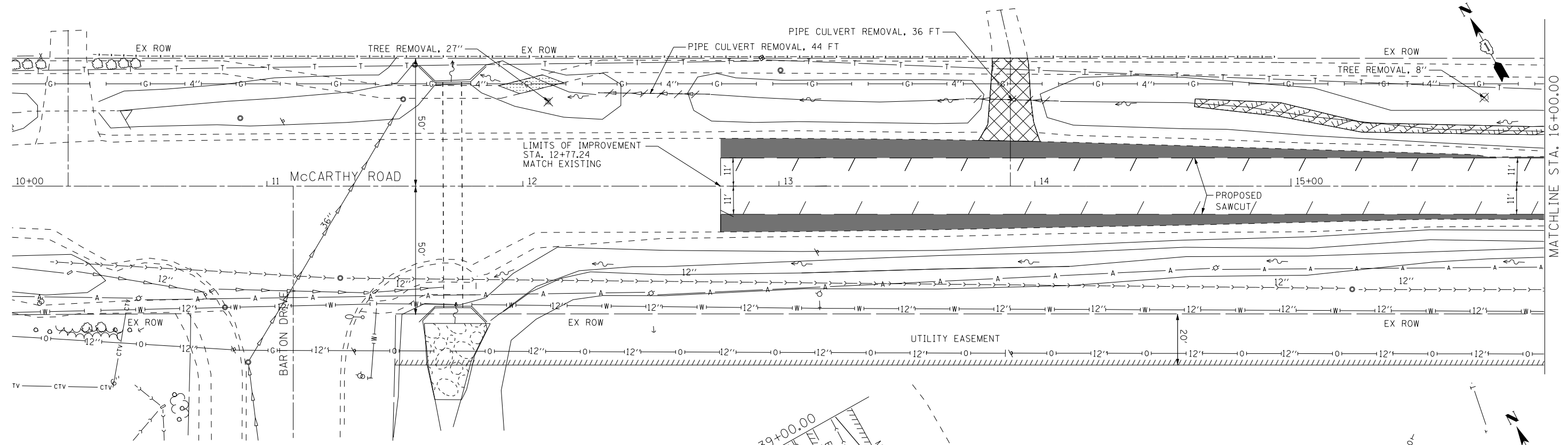
I:\6710\671018 - McCarthy at Walker Intersection Imp\CADD\CADD SHEETS\60L79-ht-atb-REV.dwg

FILE NAME =	USER NAME = rgo11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 200.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	20
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				



I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-rem-McCarthy.dgn

FILE NAME =  
#FILE#

USER NAME = r9011  
PLOT SCALE = 40.0000' / in.  
PLOT DATE = 10/19/2012

DESIGNED - RG  
DRAWN - RG  
CHECKED - MGR  
DATE - MARCH, 2012

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

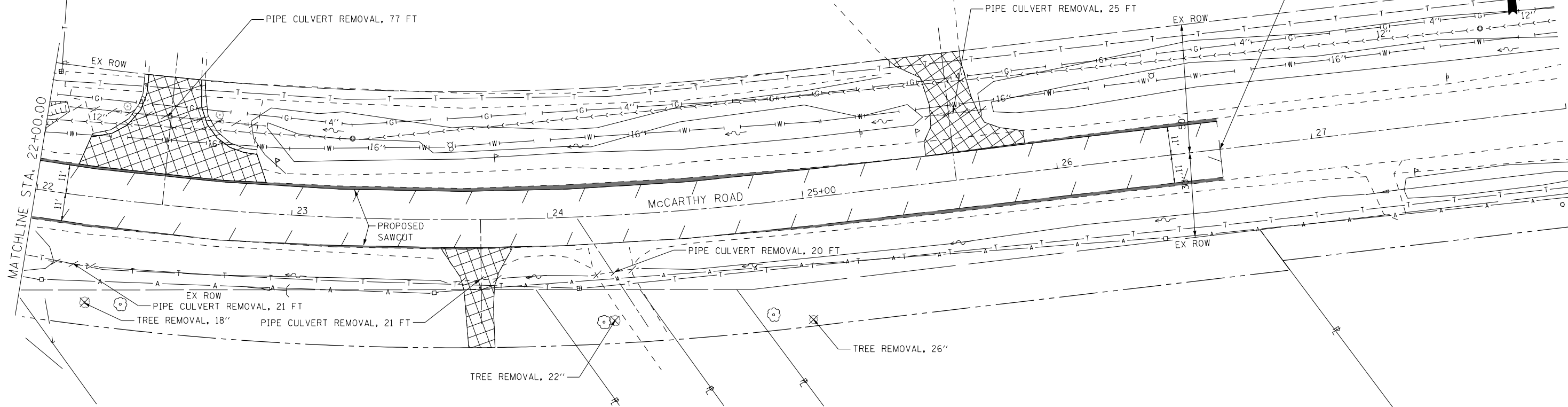
**REMOVAL PLANS  
McCARTHY ROAD**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

REMOVAL LEGEND			
	PAVEMENT REMOVAL		
	HMA SURFACE REMOVAL, 1 1/2"		
	DRIVEWAY PAVEMENT REMOVAL		
	SIDEWALK REMOVAL		
	COMB. CURB & GUTTER REMOVAL		
	LINEAR REMOVAL		
	SPOT REMOVAL		

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	21
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				

LIMITS OF IMPROVEMENT  
 STA. 26+63.93 = STA. 296+74 (ADJACENT PROJECT)  
 MATCH FUTURE CROSS-SECTION AND ELEVATION



REMOVAL LEGEND	
	PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 1 1/2"
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB & GUTTER REMOVAL
	LINEAR REMOVAL
	SPOT REMOVAL

I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-rem-McCarthy.dgn

FILE NAME =	USER NAME = r9e11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

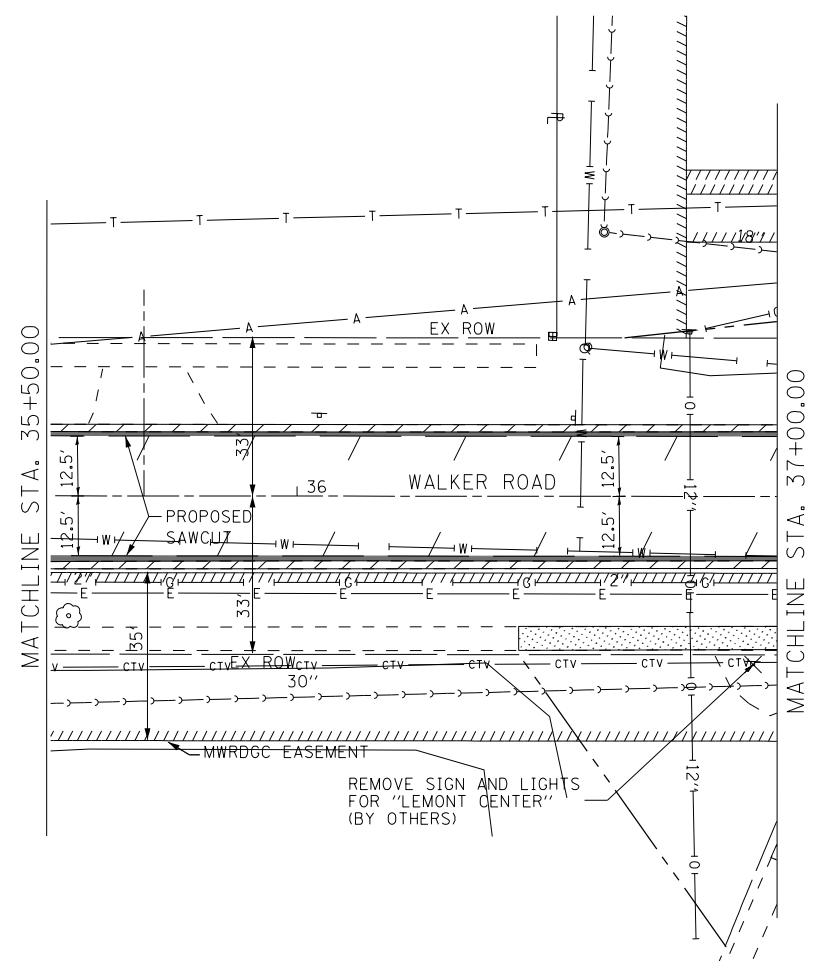
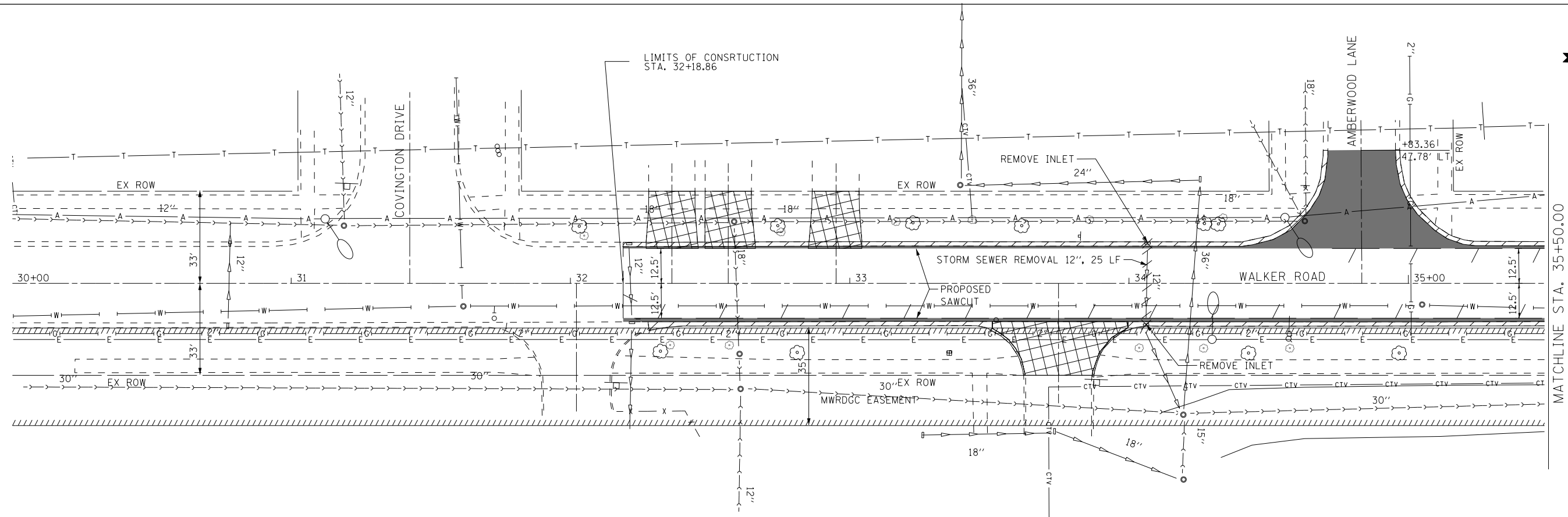
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS  
 McCARTHY ROAD**

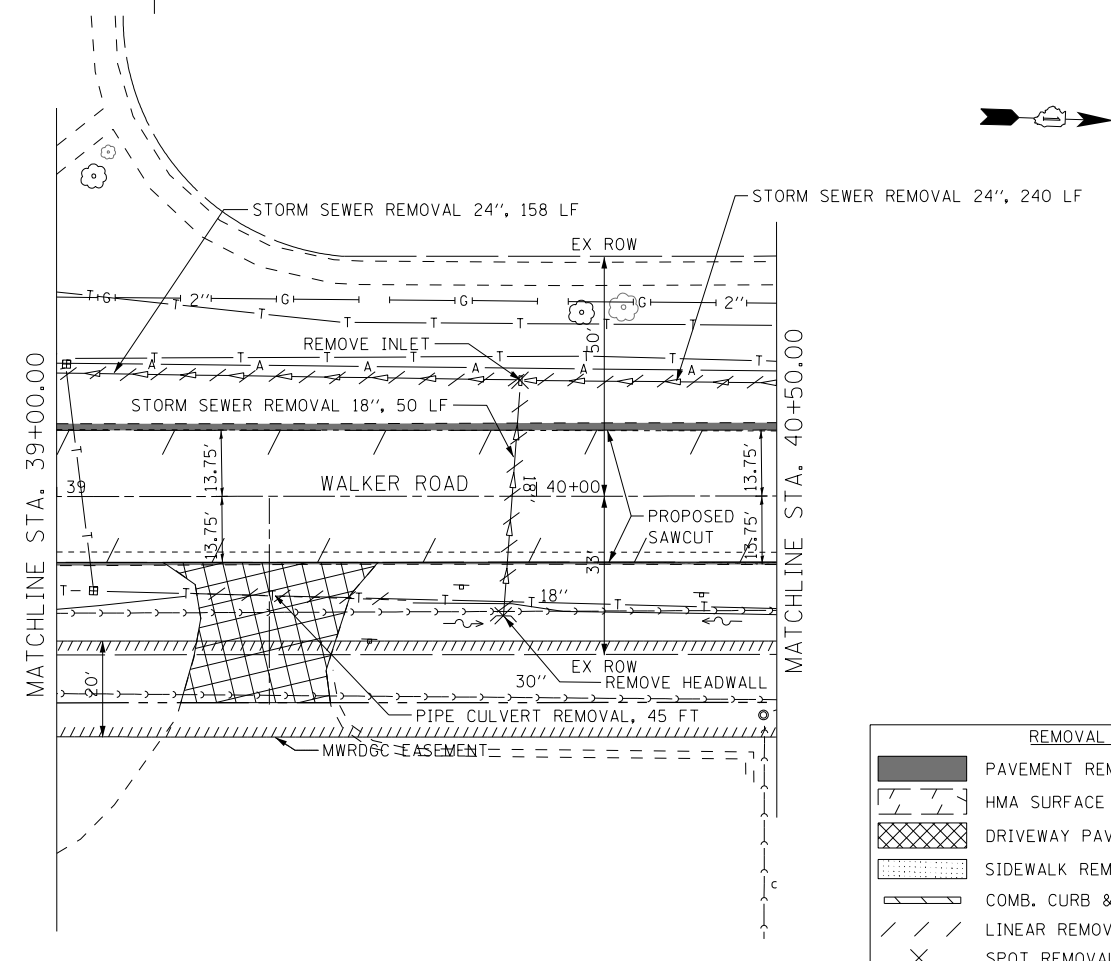
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	22
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				





SEE MCCARTHY ROAD  
REMOVAL PLAN  
SHEET 14  
FOR REMOVAL ITEMS  
AT INTERSECTION



REMOVAL LEGEND	
	PAVEMENT REMOVAL
	HMA SURFACE REMOVAL, 1 1/2"
	DRIVEWAY PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	COMB. CURB & GUTTER REMOVAL
	LINEAR REMOVAL
	SPOT REMOVAL

I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-rem-Walker.dgn

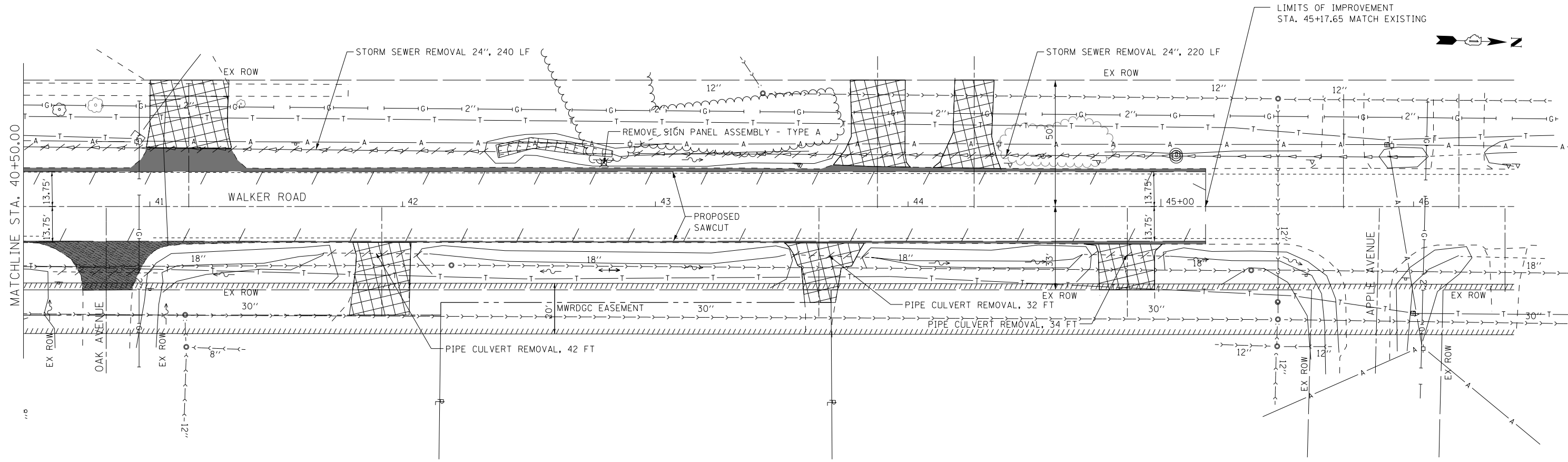
FILE NAME =	USER NAME = r9011	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 48.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

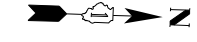
**REMOVAL PLANS  
WALKER ROAD**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
--------	-----------	-----------	------	---------

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	23
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				



LIMITS OF IMPROVEMENT  
STA. 45+17.65 MATCH EXISTING



I:\6710\6710\_18 - McCarthy at Walker Intersection\_imp\CADD\CADD\_SHEETS\60L79-shr-em-Walker.dgn

REMOVAL LEGEND				
	PAVEMENT REMOVAL			
	HMA SURFACE REMOVAL, 1 1/2"			
	DRIVEWAY PAVEMENT REMOVAL			
	SIDEWALK REMOVAL			
	COMB. CURB & GUTTER REMOVAL			
	LINEAR REMOVAL			
	SPOT REMOVAL			

FILE NAME =	USER NAME = r9e11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

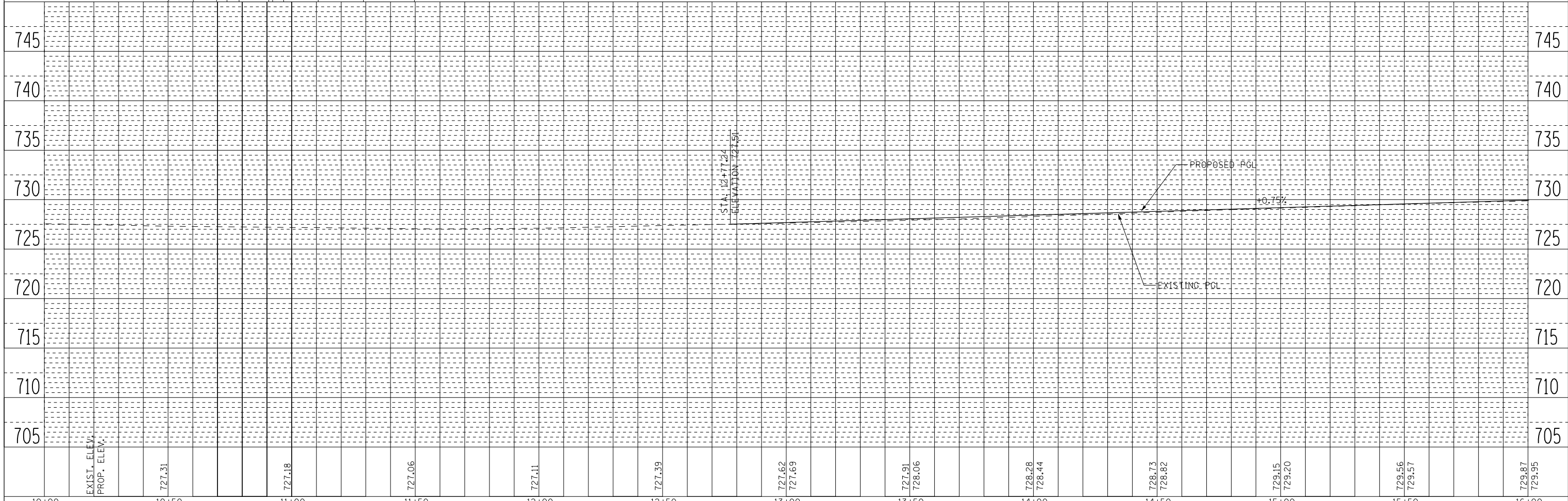
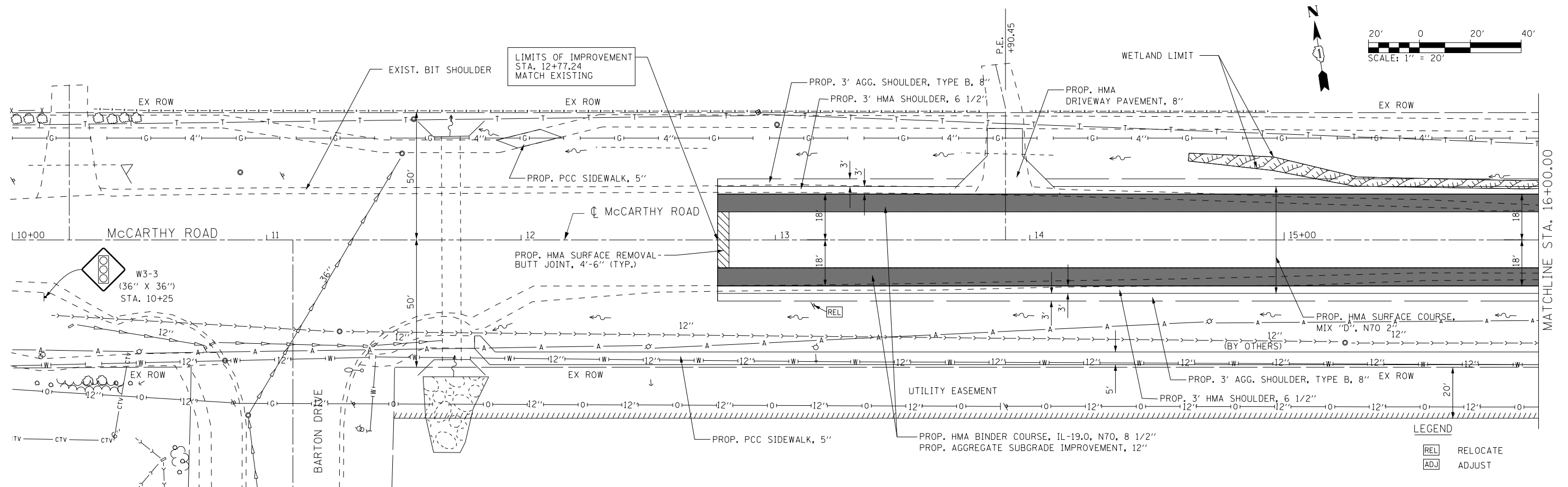
**REMOVAL PLANS  
WALKER ROAD**

SCALE:      SHEET NO.      OF SHEETS      STA.      TO STA.

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	24
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	NO.	
	STRUCTURE	
	NOTATIS CHFD	
	NO.	

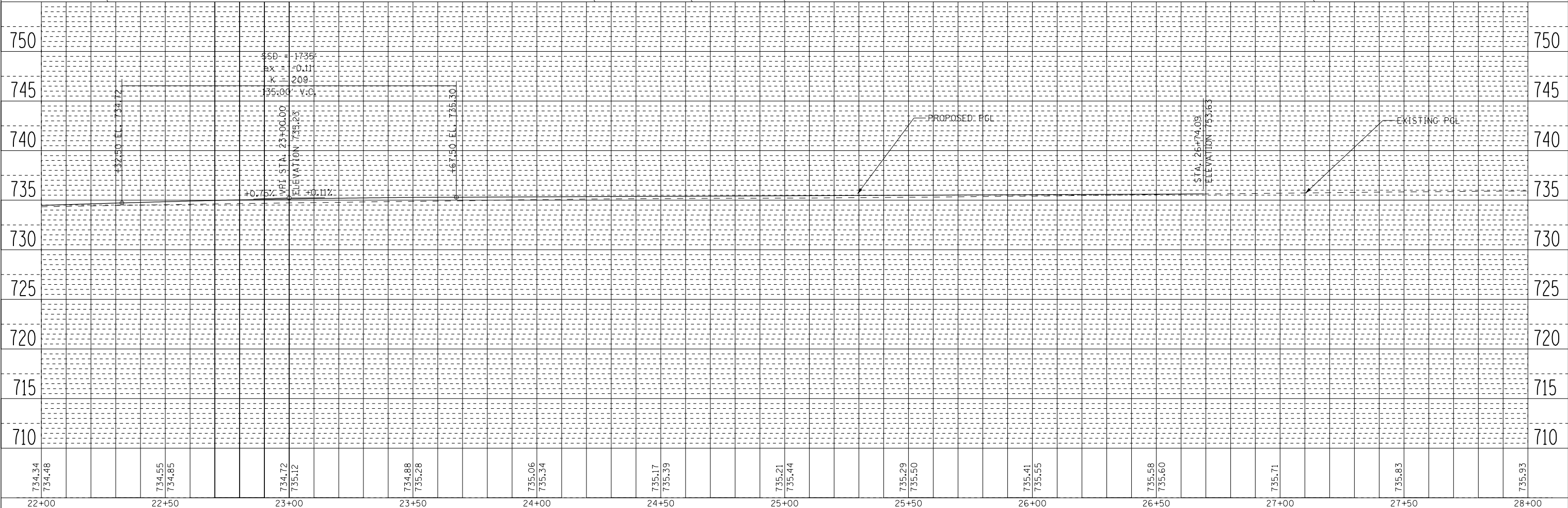
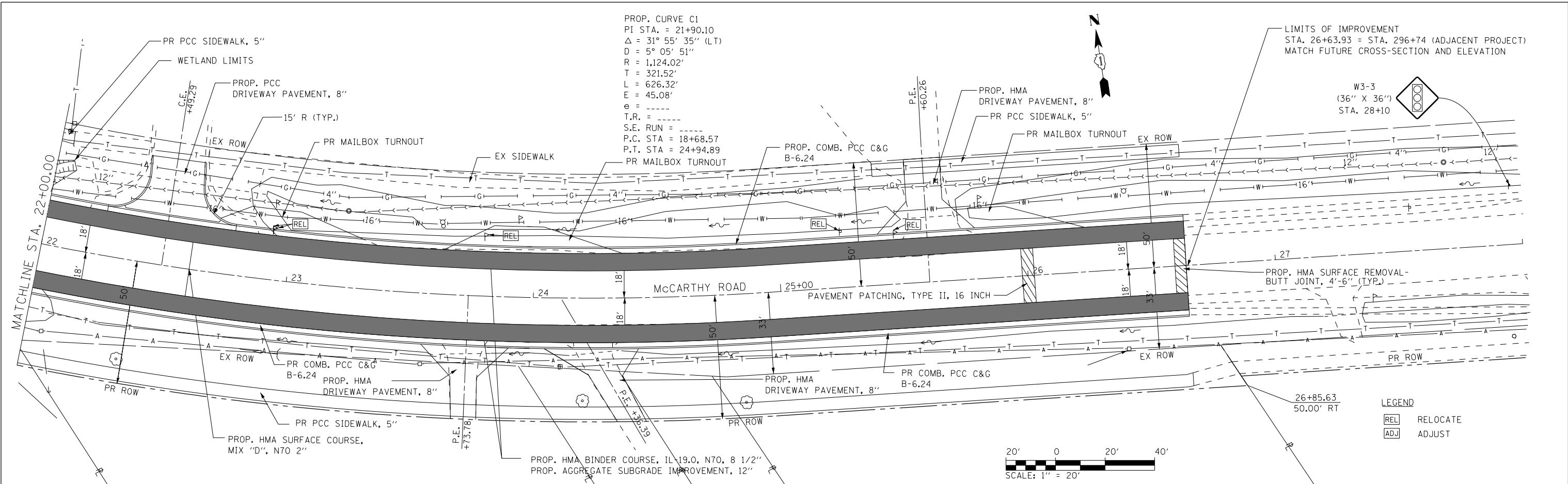


FILE NAME =	USER NAME = r9a11	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MCCARTHY ROAD (FAU 1587) ROADWAY PLAN AND PROFILE</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL*	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -			1587	3098-R	COOK	95	25	
	PLOT DATE = 10/19/2012	CHECKED -	REVISED -			CONTRACT NO. 60L79					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	NOTATIONS	
	NO.	



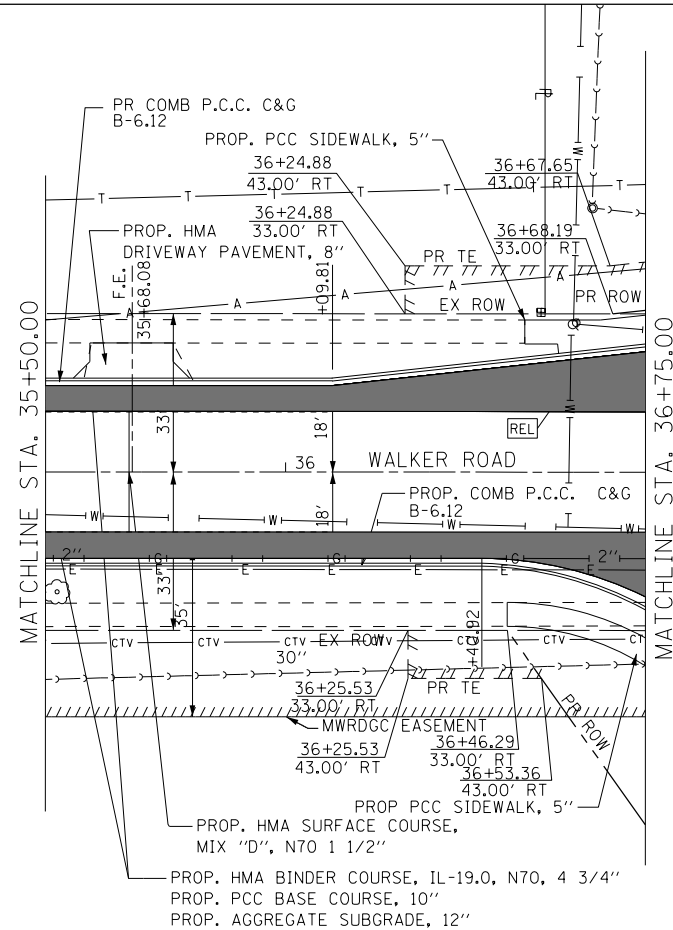
FILE NAME =	USER NAME = r9011	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MCCARTHY ROAD (FAU 1587) ROADWAY PLAN AND PROFILE</b>			F.A. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 27
*FILEL*	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET NO. 3 OF 3 SHEETS	STA. 22+00 TO STA. 26+74.09	ILLINOIS FED. AID PROJECT				
	PLOT DATE = 10/19/2012	DATE -	REVISED -									



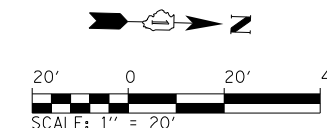
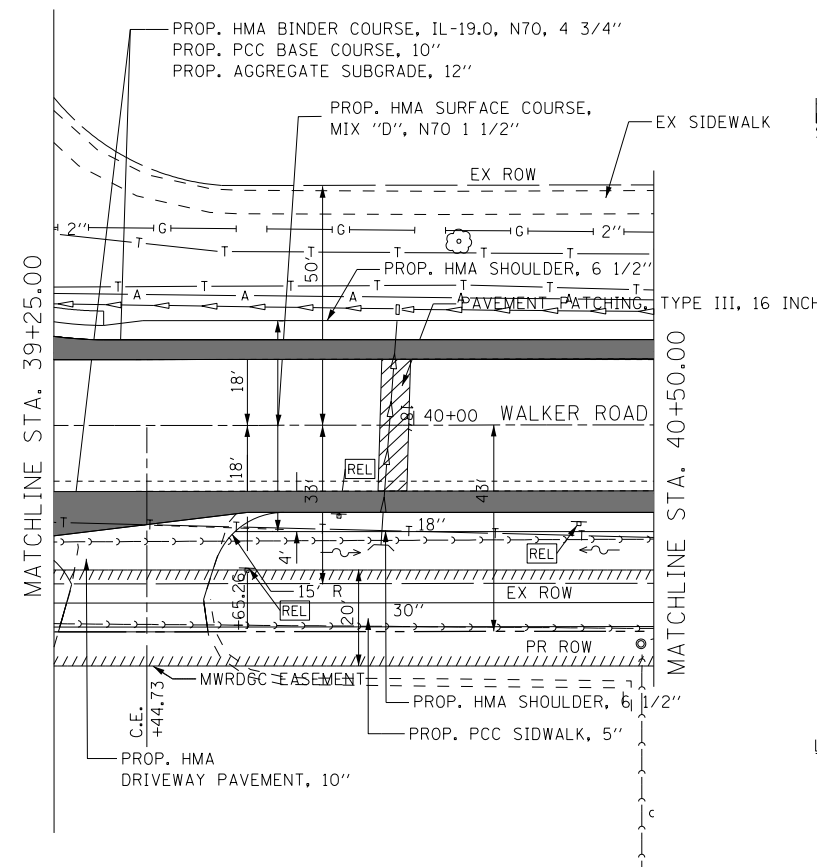


PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
NOTE BOOK NO.	CADD FILE NAME	

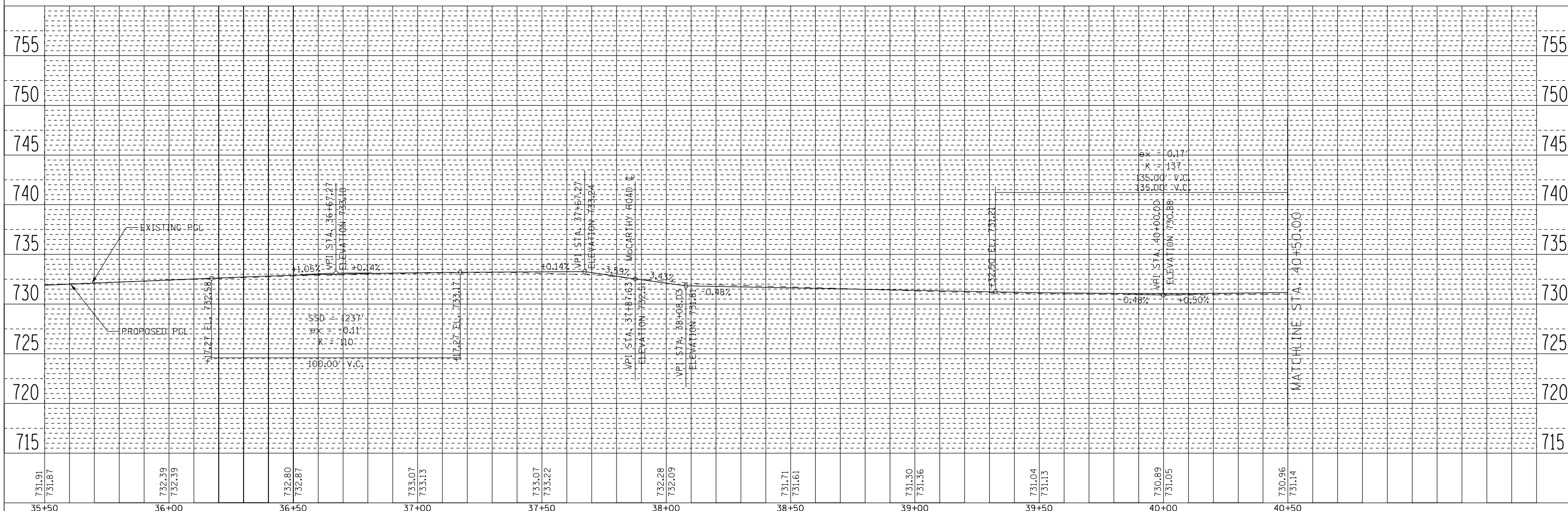
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	NOTATIONS CHECKED	



SEE MCCARTHY ROAD  
PLAN AND PROFILE  
SHEET 19 AND  
INTERSECTION DETAIL SHEET 41  
FOR INTERSECTION  
INFORMATION



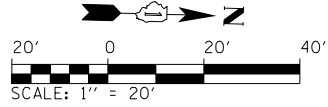
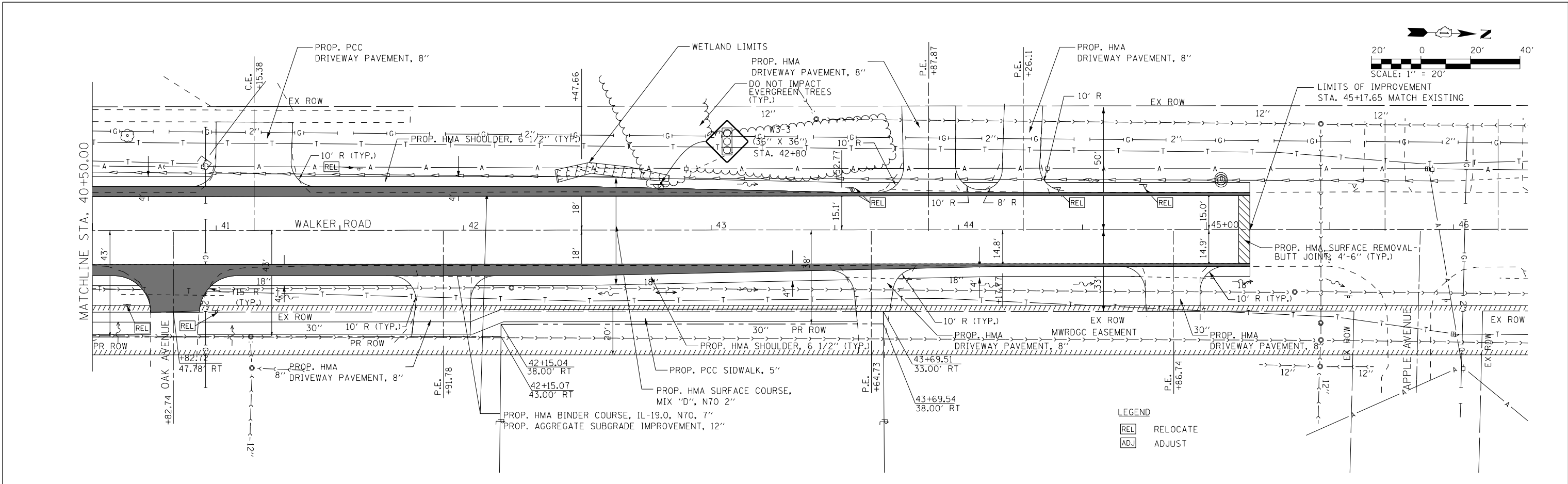
LEGEND  
 [REL] RELOCATE  
 [ADJ] ADJUST



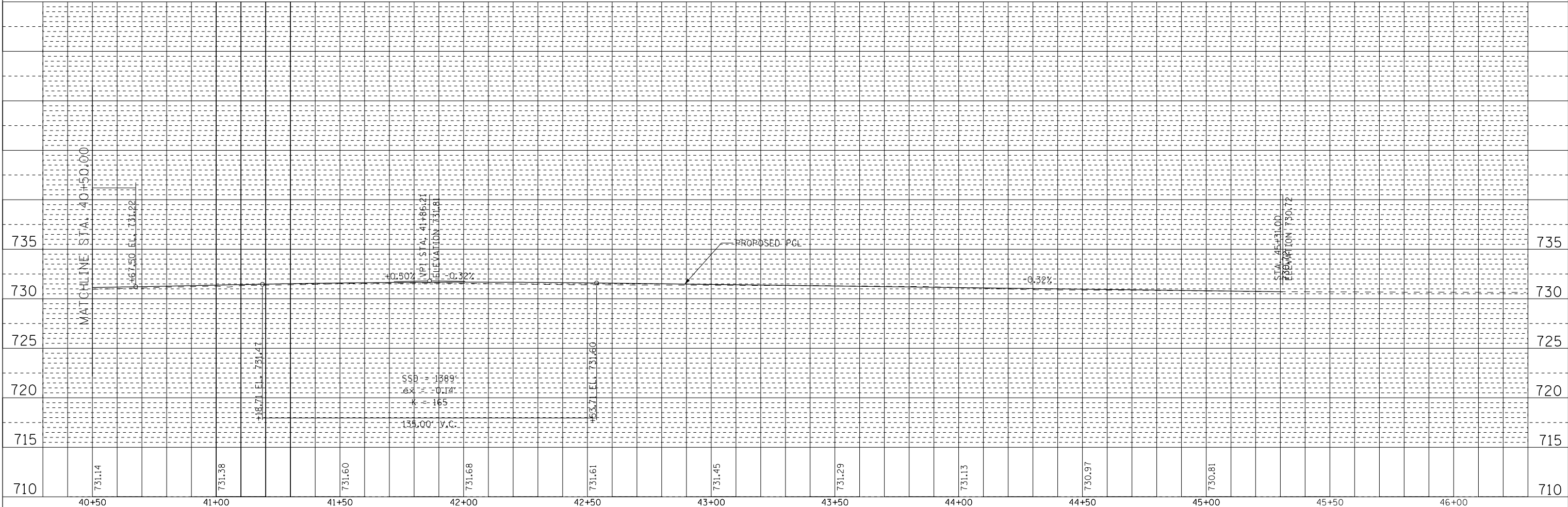
FILE NAME =	USER NAME = r9a11	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>WALKER ROAD ROADWAY PLAN AND PROFILE</b>	F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILE.L*		DRAWN -	REVISED -			1587	3098-R	COOK	95	29
		CHECKED -	REVISED -			CONTRACT NO. 60L79				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	CHECKED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS CHECKED		
	NO.		

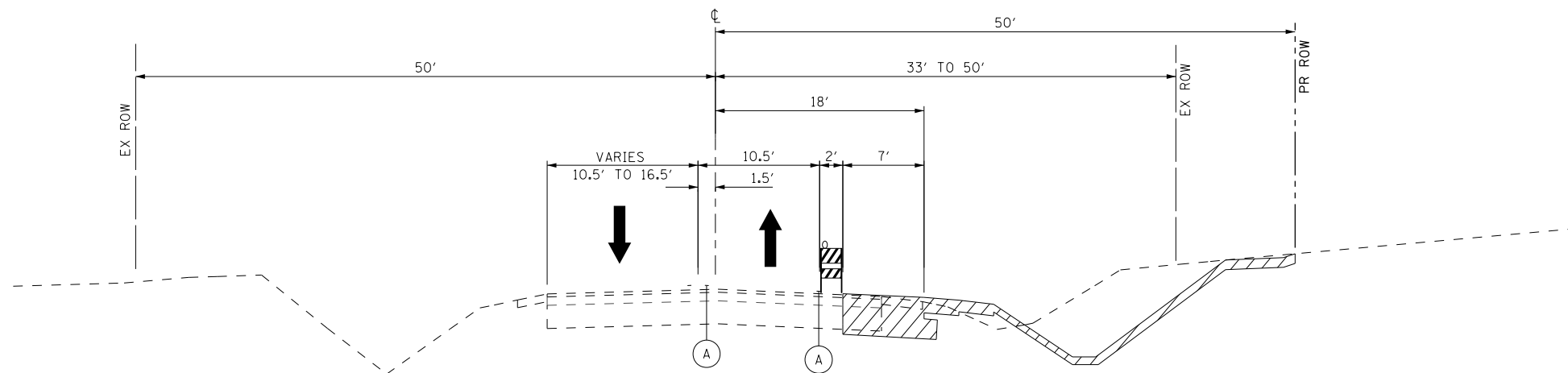


LEGEND  
 [REL] RELOCATE  
 [ADJ] ADJUST





FILE NAME =	USER NAME = r9011	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>WALKER ROAD</b> <b>ROADWAY PLAN AND PROFILE</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILEL#		DRAWN -	REVISED -				1587	3098-R	COOK	95	30	
		CHECKED -	REVISED -				CONTRACT NO. 60L79					
		DATE -	REVISED -				ILLINOIS FED. AID PROJECT					

SCALE: SHEET NO. 3 OF 3 SHEETS STA. 40+50.00 TO STA. 45+17.65



McCARTHY ROAD  
 MAINTENANCE OF TRAFFIC - STAGE I  
 STA. 12+77.24 TO STA. 26+63.93

LEGEND

-  PROPOSED TEMPORARY PAVEMENT MARKING
-  WORK ZONE

STAGE I

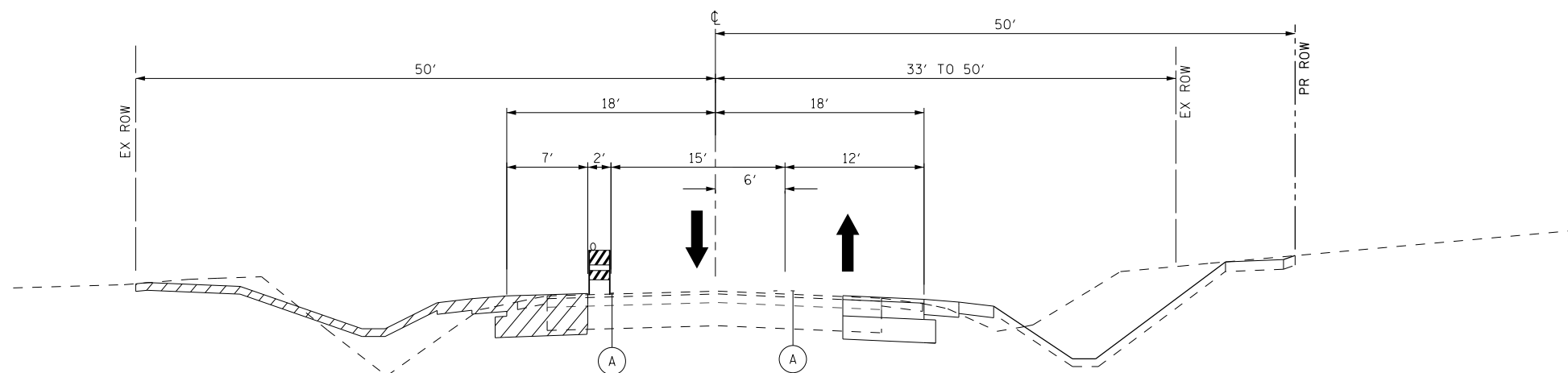
1. MILL EXISTING PAVEMENT
2. INSTALL TRAFFIC CONTROL AND TEMPORARY PAVEMENT MARKING SHIFTING TRAFFIC FOR CONSTRUCTION ON SOUTH SIDE OF McCARTHY ROAD AND EAST SIDE OF WALKER ROAD
3. CONSTRUCT UP TO BINDER COURSE FOR WIDENING
4. CONSTRUCT DRIVEWAY APPROACHES AND SIDEWALKS

STAGE II

1. INSTALL TRAFFIC CONTROL AND TEMPORARY PAVEMENT MARKING SHIFTING TRAFFIC FOR CONSTRUCTION ON NORTH SIDE OF McCARTHY ROAD AND WEST SIDE OF WALKER ROAD
2. CONSTRUCT UP TO BINDER COURSE FOR WIDENING
3. CONSTRUCT DRIVEWAY APPROACHES AND SIDEWALKS

STAGE III

1. CONSTRUCT ISLANDS
2. INSTALL SIGNAL EQUIPMENT
3. PLACE SURFACE COURSE
4. UNBAG AND TURN ON SIGNAL HEADS
5. PLACE PERMANENT PAVEMENT MARKING



McCARTHY ROAD  
 MAINTENANCE OF TRAFFIC - STAGE II  
 STA. 12+77.24 TO STA. 26+63.93

I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-staging\typical-McCarthy.dgn

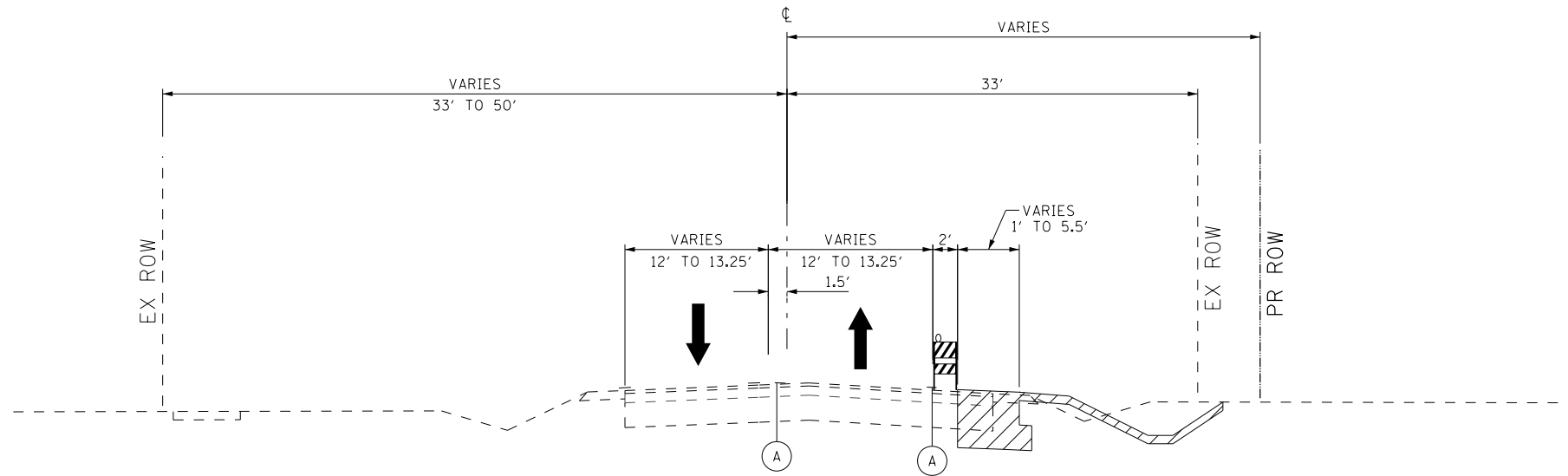
FILE NAME =	USER NAME = rge11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 13.3400' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

McCARTHY ROAD  
 MAINTENANCE OF TRAFFIC  
 TYPICAL SECTIONS


SCALE: SHEET NO. OF SHEETS STA. TO STA.

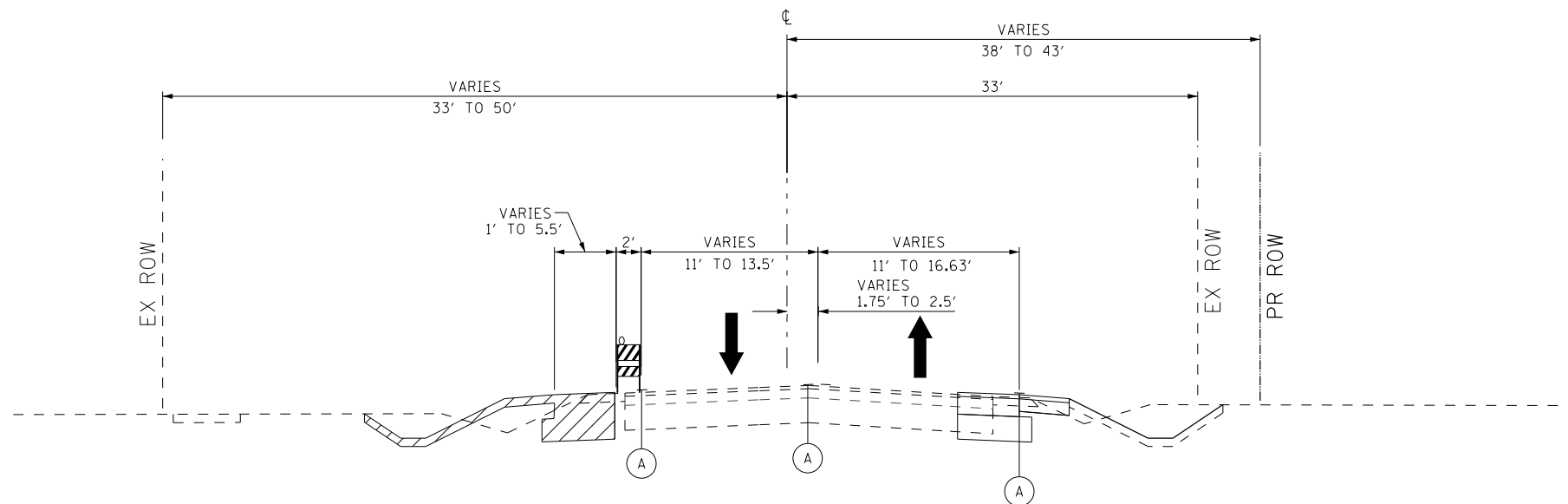
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	31
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				



WALKER ROAD  
 MAINTENANCE OF TRAFFIC - STAGE I  
 STA 39+65.27 TO STA 45+17.65

LEGEND

- (A) PROPOSED TEMPORARY PAVEMENT MARKING
-  WORK ZONE



WALKER ROAD  
 MAINTENANCE OF TRAFFIC - STAGE II  
 STA 39+65.27 TO STA 45+17.65

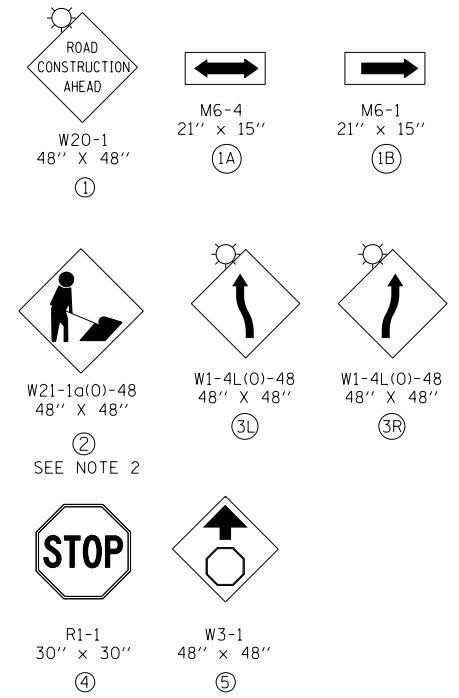
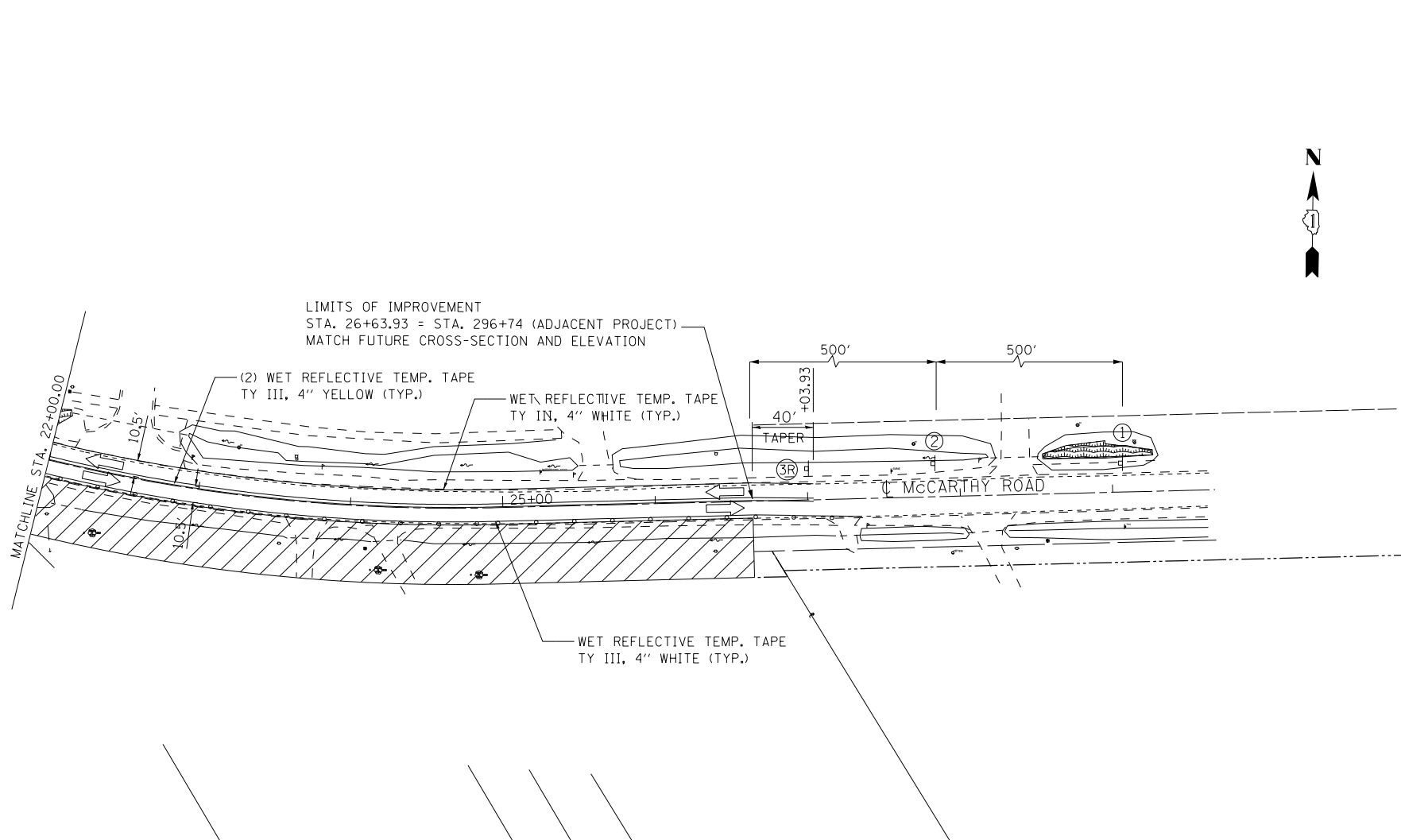
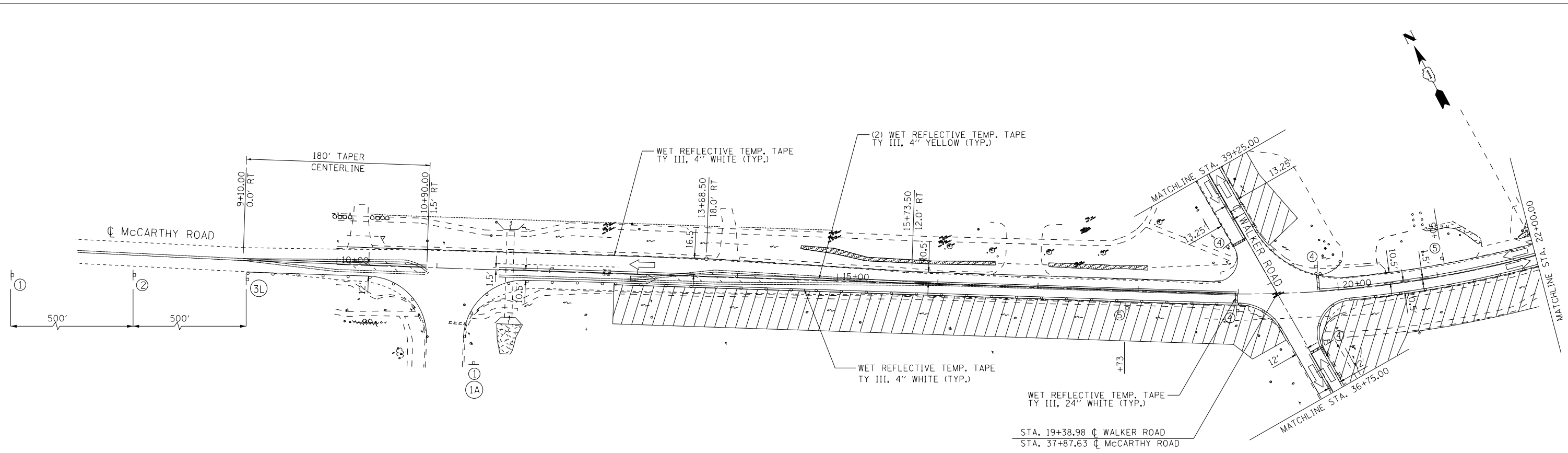
I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-staging\typical-walker.dgn

FILE NAME =	USER NAME = rge11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 13.3400' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

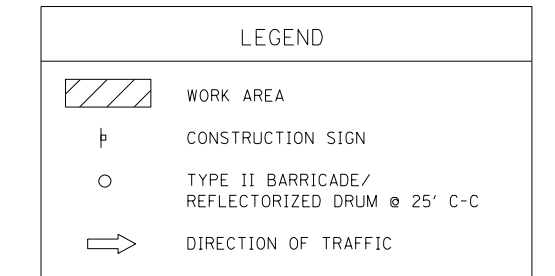
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

<b>WALKER ROAD    MAINTENANCE OF TRAFFIC    TYPICAL SECTIONS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	32
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				



NOTE:  
 1. THE EXISTING POSTED SPEED LIMIT IS 40 MPH.  
 2. "WORKERS" SIGN SHALL BE THE SYMBOLIC VERSION AND SHALL BE REMOVED WHEN NO WORKERS ARE PRESENT.



I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-staging-1-McCarthy.dgn

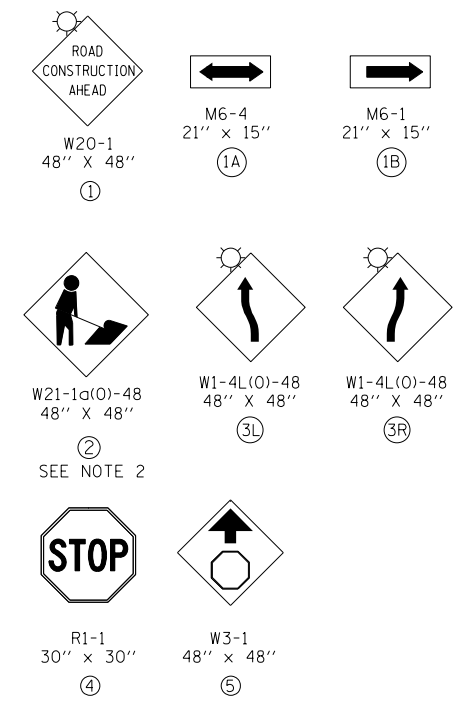
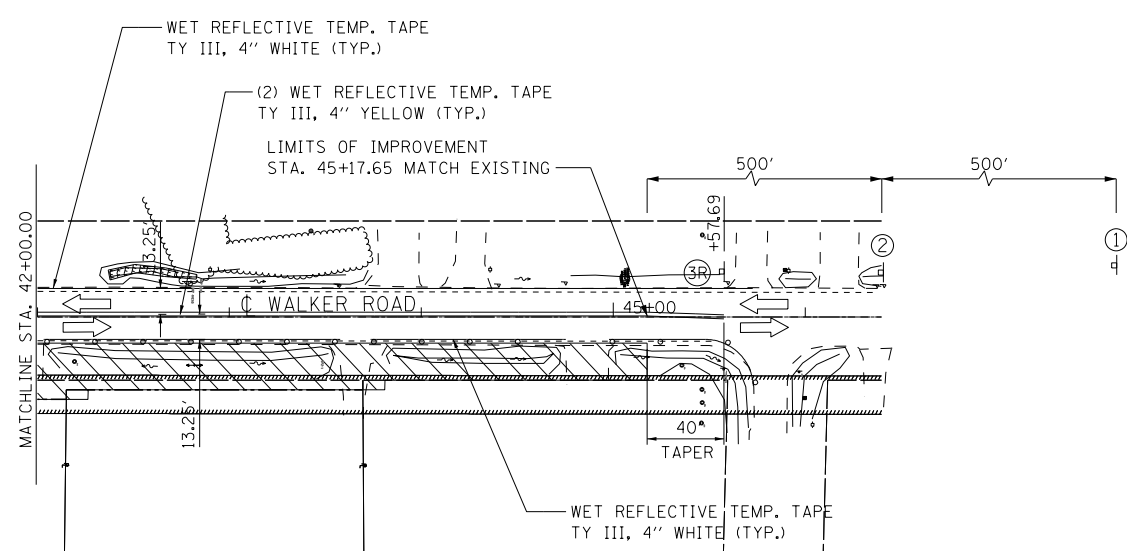
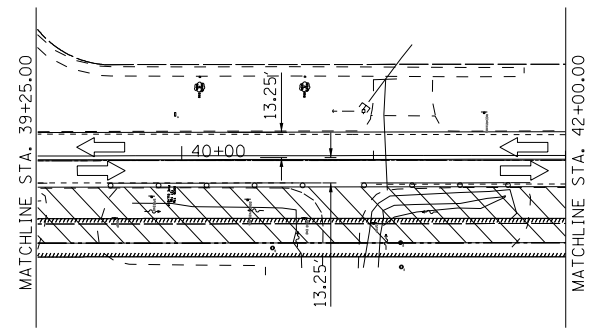
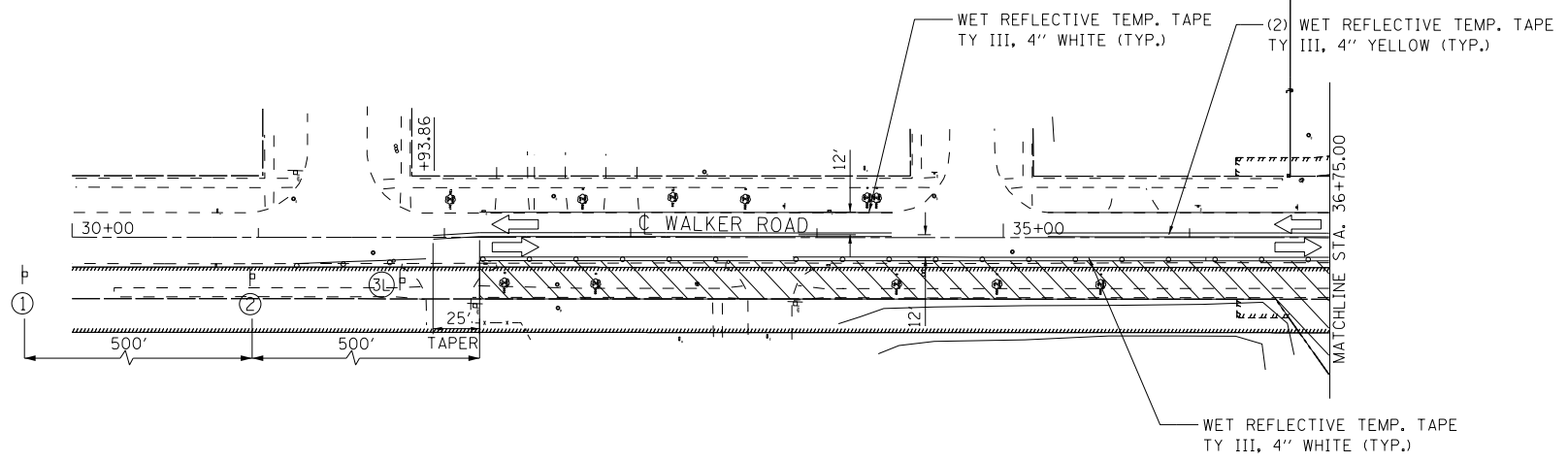
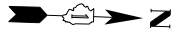
FILE NAME =	USER NAME = r9011	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

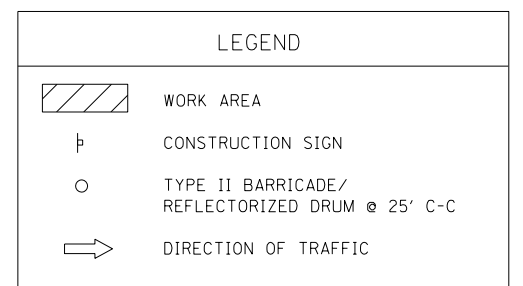
**STAGING PLANS  
McCARTHY ROAD  
STAGE I**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
--------	-----------	-----------	------	---------

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	33
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				



NOTE:  
 1. THE EXISTING POSTED SPEED LIMIT IS 40 MPH.  
 2. "WORKERS" SIGN SHALL BE THE SYMBOLIC VERSION AND SHALL BE REMOVED WHEN NO WORKERS ARE PRESENT.



I:\6710\6710\_18 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-staging-1-Walker.dgn

FILE NAME =	USER NAME = r9e11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

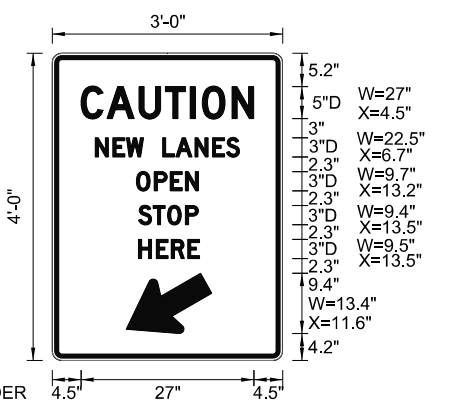
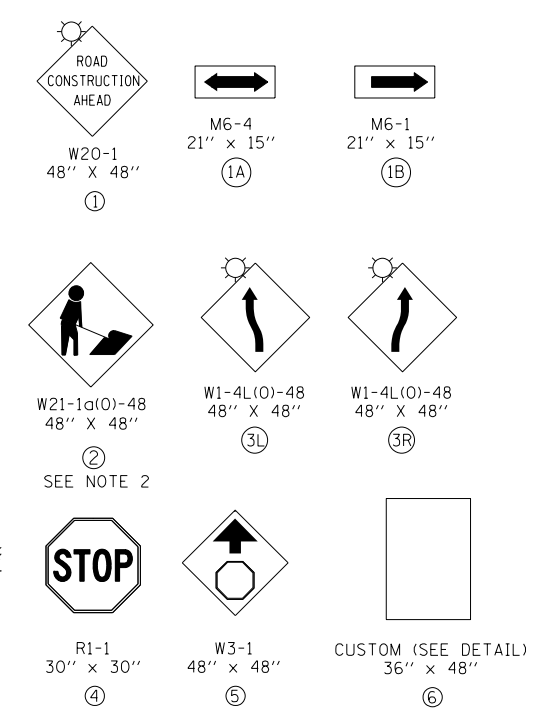
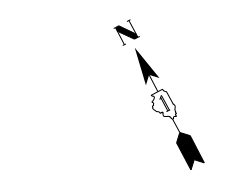
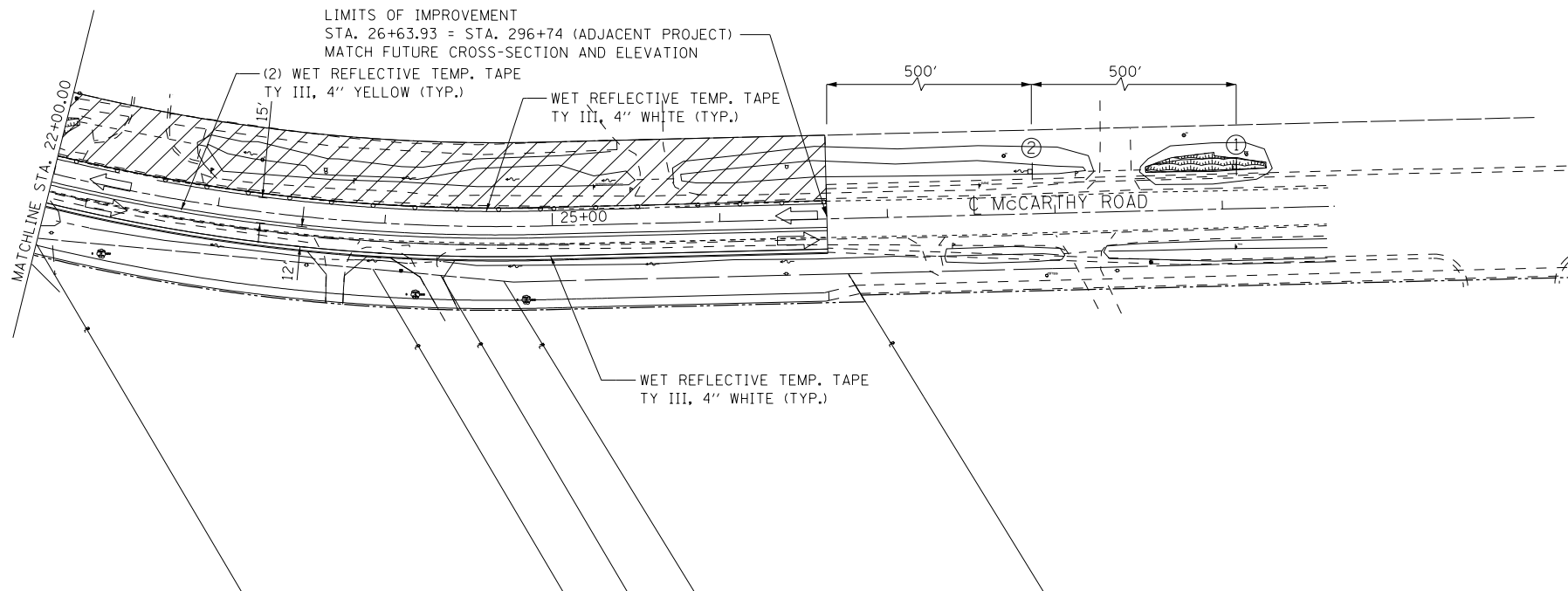
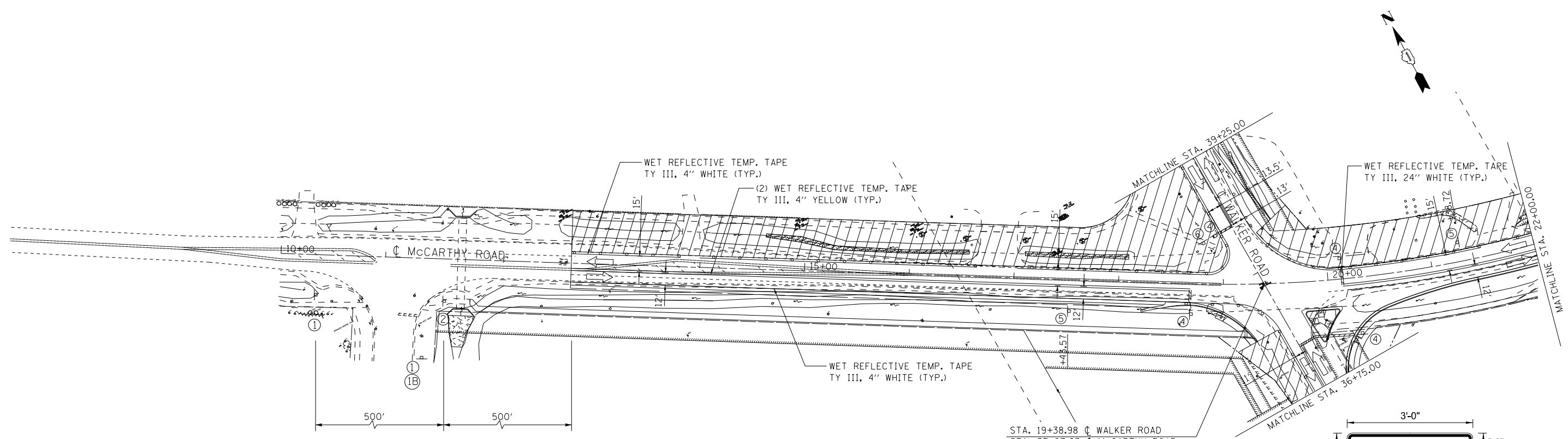
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGING PLANS  
WALKER ROAD  
STAGE I**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	34
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				

I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-hht-staging II-McCarthy.dgn



BORDER  
R=1.13"  
TH=0.63"  
IN=0.38"

Panel Style: regulatory.ssi  
M.U.T.C.D.: 2009 Edition  
SIGN ⑥ DETAIL

- NOTE:
1. THE EXISTING POSTED SPEED LIMIT IS 40 MPH.
  2. "WORKERS" SIGN SHALL BE THE SYMBOLIC VERSION AND SHALL BE REMOVED WHEN NO WORKERS ARE PRESENT.

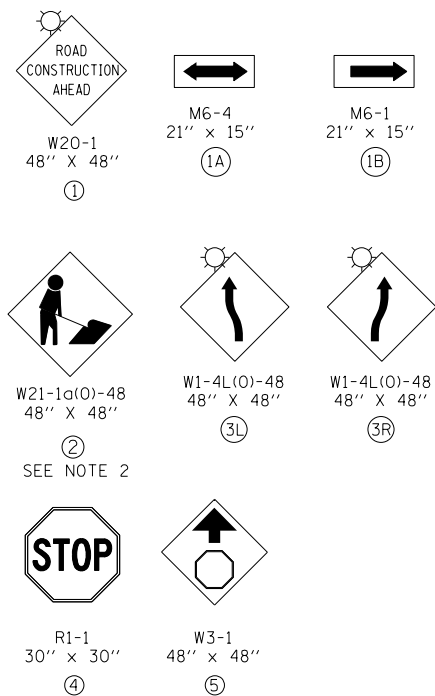
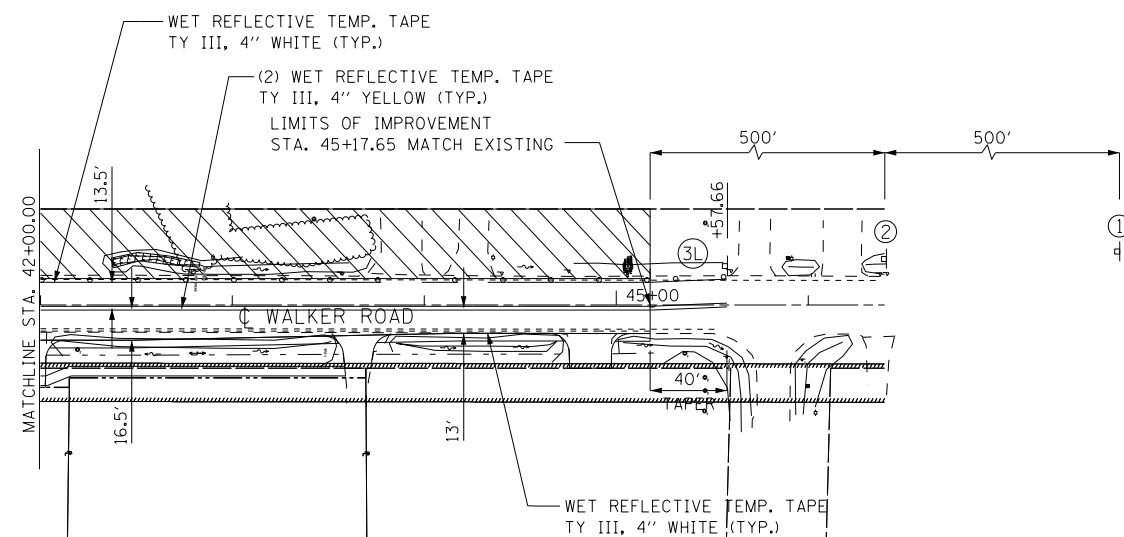
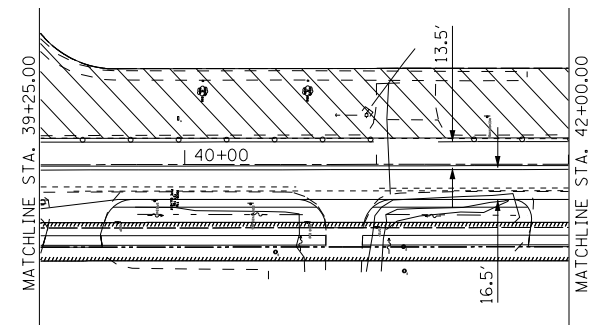
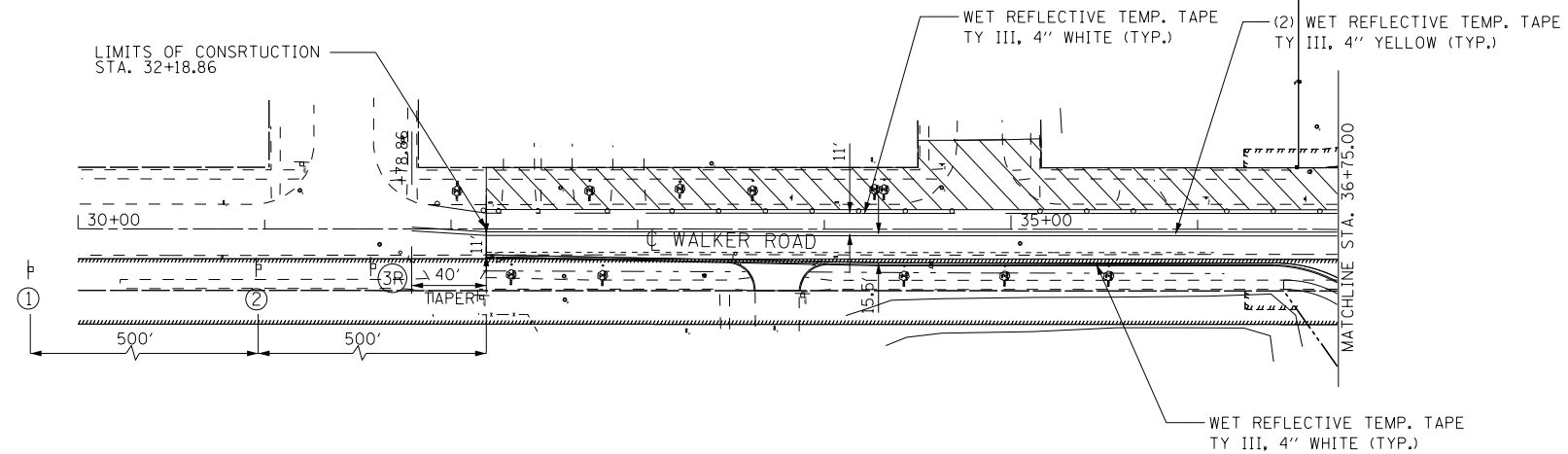
LEGEND				
	WORK AREA			
	CONSTRUCTION SIGN			
	TYPE II BARRICADE/ REFLECTORIZED DRUM @ 25' C-C			
	DIRECTION OF TRAFFIC			

FILE NAME =	USER NAME = r9011	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>STAGING PLANS McCARTHY ROAD STAGE II</b>				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	35
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				



- NOTE:
- THE EXISTING POSTED SPEED LIMIT IS 40 MPH.
  - "WORKERS" SIGN SHALL BE THE SYMBOLIC VERSION AND SHALL BE REMOVED WHEN NO WORKERS ARE PRESENT.

LEGEND			
	WORK AREA		
	CONSTRUCTION SIGN		
	TYPE II BARRICADE/ REFLECTORIZED DRUM @ 25' C-C		
	DIRECTION OF TRAFFIC		

I:\6710\6710\_18 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-staging II-Walker.dgn

FILE NAME =	USER NAME = r9011	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

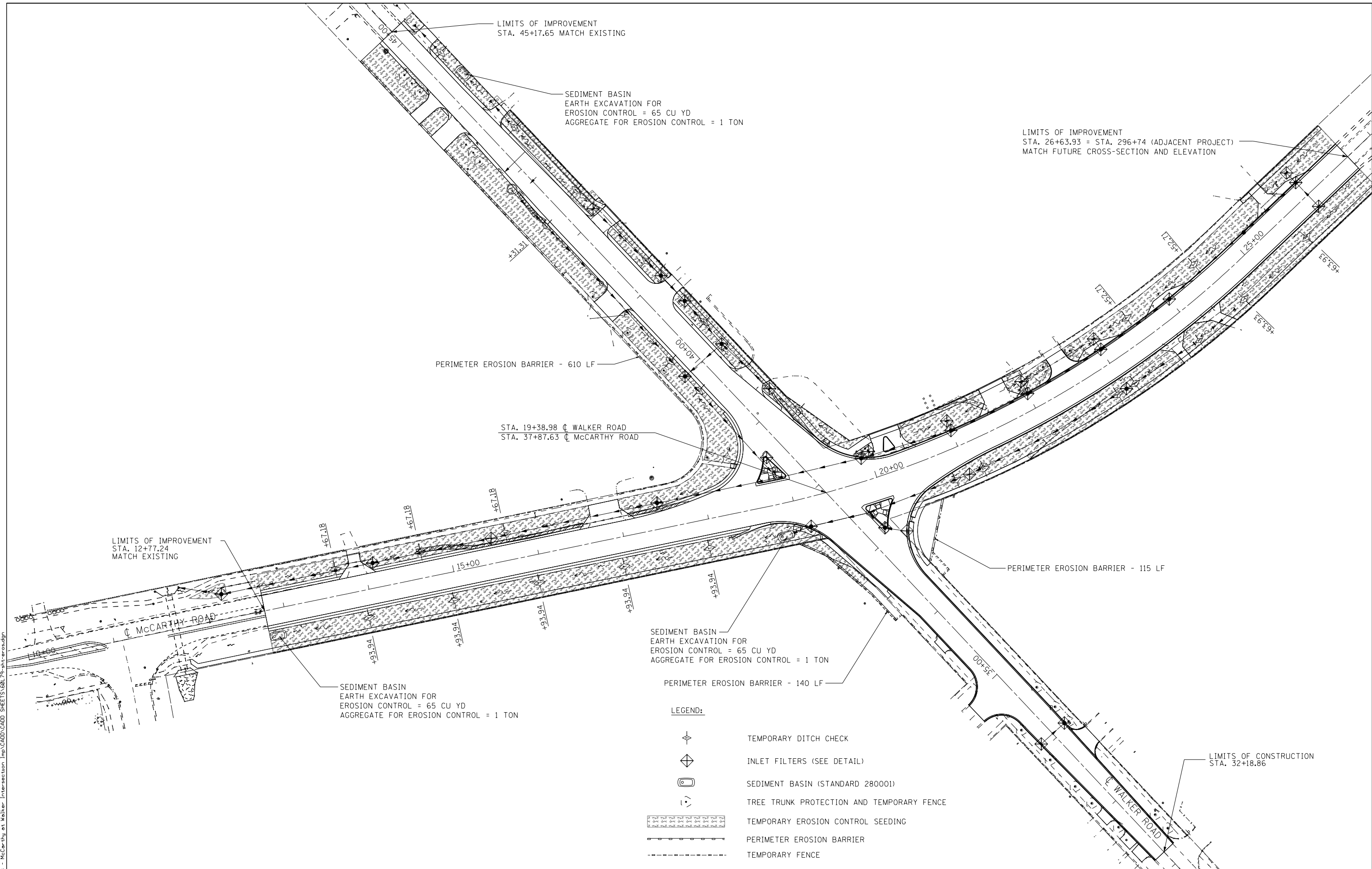
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGING PLANS  
WALKER ROAD  
STAGE II**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	36
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				





LIMITS OF IMPROVEMENT  
STA. 45+17.65 MATCH EXISTING

SEDIMENT BASIN  
EARTH EXCAVATION FOR  
EROSION CONTROL = 65 CU YD  
AGGREGATE FOR EROSION CONTROL = 1 TON

LIMITS OF IMPROVEMENT  
STA. 26+63.93 = STA. 296+74 (ADJACENT PROJECT)  
MATCH FUTURE CROSS-SECTION AND ELEVATION

PERIMETER EROSION BARRIER - 610 LF

STA. 19+38.98  $\oslash$  WALKER ROAD  
STA. 37+87.63  $\oslash$  MCCARTHY ROAD

LIMITS OF IMPROVEMENT  
STA. 12+77.24  
MATCH EXISTING





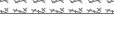

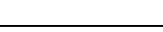
PERIMETER EROSION BARRIER - 115 LF

SEDIMENT BASIN  
EARTH EXCAVATION FOR  
EROSION CONTROL = 65 CU YD  
AGGREGATE FOR EROSION CONTROL = 1 TON

SEDIMENT BASIN  
EARTH EXCAVATION FOR  
EROSION CONTROL = 65 CU YD  
AGGREGATE FOR EROSION CONTROL = 1 TON

PERIMETER EROSION BARRIER - 140 LF

**LEGEND:**

-  TEMPORARY DITCH CHECK
-  INLET FILTERS (SEE DETAIL)
-  SEDIMENT BASIN (STANDARD 280001)
-  TREE TRUNK PROTECTION AND TEMPORARY FENCE
-  TEMPORARY EROSION CONTROL SEEDING
-  PERIMETER EROSION BARRIER
-  TEMPORARY FENCE

LIMITS OF CONSTRUCTION  
STA. 32+18.86

I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-hkt-eros.dgn

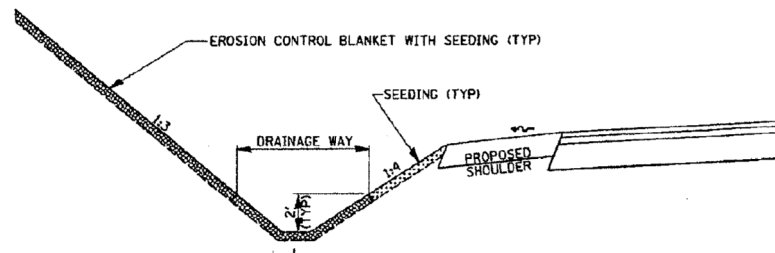
FILE NAME =	USER NAME = r9e11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MCCARTHY ROAD AT WALKER ROAD  
EROSION CONTROL PLAN**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	37
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				



- NOTES:
- 1 - ALL SLOPES GREATER THAN 4% SHALL HAVE EROSION CONTROL BLANKET FOR STABILIZATION.
  - 2 - ALL DRAINAGE WAYS SHALL HAVE EROSION CONTROL BLANKET TO A MINIMUM DEPTH OF 2' FOR STABILIZATION.
  - 3 - SEE LANDSCAPING PLAN SHEET FOR LOCATION OF VARIOUS SEED MIXTURES.

**EROSION CONTROL BLANKET**

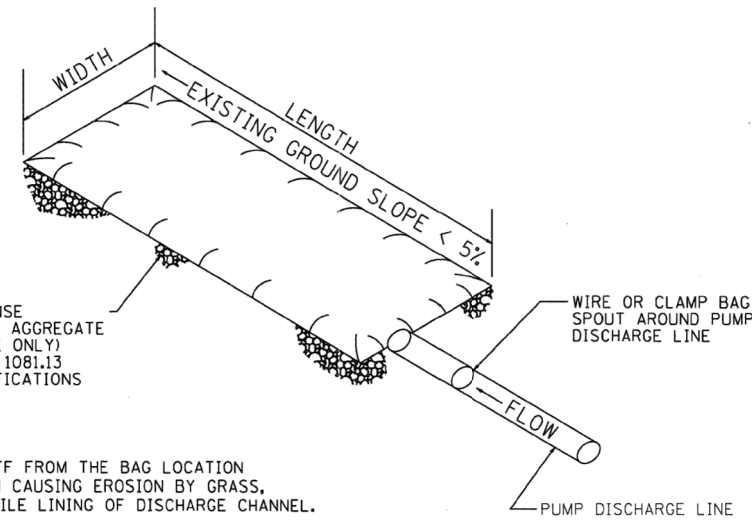
PLACE FILTERBAG ON DENSE MATURE GRASS OR ON AN AGGREGATE BASE (COARSE AGGREGATE ONLY) CONFORMING TO SECTION 1081.13 OF THE STANDARD SPECIFICATIONS

ENSURE THAT RUNOFF FROM THE BAG LOCATION IS PREVENTED FROM CAUSING EROSION BY GRASS, STONE, OR GEOTEXTILE LINING OF DISCHARGE CHANNEL.

REMOVE SILT WHEN BAG IS HALF FULL OR MORE OFTEN IF RECOMMENDED BY THE MANUFACTURER. DISPOSE OF SILT BY TRANSPORTING THE FILLED BAG TO DISPOSAL AREA. SLIT THE BAG, BLEND SILT INTO EXISTING TOPOGRAPHY, SEED AND MULCH

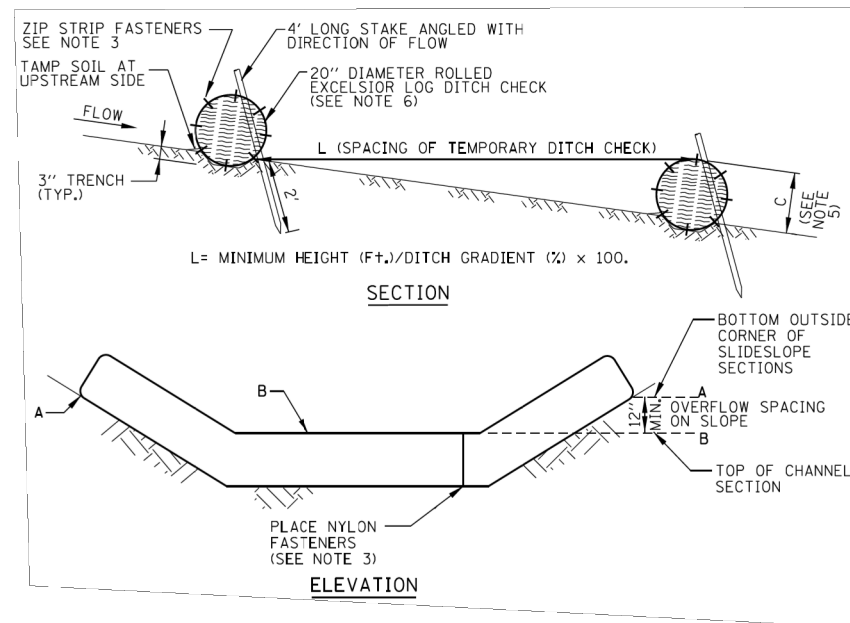
MAINTAIN EXTRA FILTER BAGS ON SITE. REPLACE DAMAGED BAGS PROMPTLY.

TYPICAL FLOW RATE: 10 GPM x W x L



**FIGURE S1. SEDIMENT FILTER BAG**

NOTE: DEWATERING SYSTEM DETAILS SHALL BE USED IN CONJUNCTION WITH THE PROJECT SPECIAL PROVISIONS.



**NOTES:**

1. ROLLED EXCELSIOR LOG SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 3" AND SOIL SHALL BE TAMPED AGAINST THE UPSTREAM SIDE TO ASSURE THAT STORM WATER IS FORCED THROUGH THE LOG, RATHER THAN UNDER IT.
2. STAKES SHALL BE 4' LONG, DRIVEN AT A SPACING OF 2' ON CENTER, 2' INTO THE GROUND. STAKES SHALL BE ENTWINED WITH THE MESH COVERING OF THE ROLL ON THE DOWNSTREAM SIDE AND ANGLED WITH THE DIRECTION OF FLOW. WOOD STAKES TO BE A MINIMUM OF 1" SQUARE. METAL STAKES SHALL BE A MINIMUM OF 1" DIAMETER.
3. WHEN MORE THAN ONE LOG IS REQUIRED TO SPAN THE DITCH, BUTT LOGS TIGHTLY TOGETHER END TO END AND FASTEN TOGETHER WITH A MINIMUM OF EIGHT EQUALLY SPACED ZIP STRIP NYLON FASTENERS.
4. ROLLED EXCELSIOR LOG DITCH CHECKS ARE SUPPLIED IN STANDARD 10 FOOT LENGTHS AND SHOULD NOT BE CUT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND SILT SHALL BE REMOVED WHEN IT REACHES 50% OF ROLL HEIGHT. WHEN EXCELSIOR LOG HEIGHT BECOMES LESS THAN 10", IT SHALL BE REPLACED.
6. TEMPORARY DITCH CHECK TO BE USED TO CONTROL FLOW IN DITCHES. THE DITCH CHECK IS NOT A SUBSTITUTE FOR SEDIMENT TRAPS OR BASINS. PLACE UPSTREAM OF TRAPS OR BASINS AND MAINTAIN IN PLACE UNTIL SEEDING IS ESTABLISHED.

**DITCH CHECK DETAIL**

**SEDIMENTATION AND EROSION CONTROL**

1. THE CONSTRUCTION LIMITS WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTACT OR FOR CHANGED CONSTRUCTION LIMITS.
2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO THE CONSTRUCTION LIMITS AS INDICATED ON THE ESC PLAN. THE RESIDENT ENGINEER SHALL MAKE THE FINAL DETERMINATION ON THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.
3. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE. ALL CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE NOTED ON THE SITE PLAN.
4. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF THE YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
5. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
6. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR RE-DISTURBANCE. A QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED FOR AREAS THAT ARE DISTURBED BUT WILL NOT BE RESTORED WITHIN 14 DAYS.
7. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
8. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, AS APPROVED BY THE ENGINEER.
9. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PRIME CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR; THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION CONTROL MEASURES ON A WEEKLY BASIS OR AFTER A ONE- HALF INCH RAINFALL AND REPLACE, REPAIR OR CLEAN THEM ON A TIMELY BASIS. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED AFTER EACH SIGNIFICANT SNOW MELT. ALL OFF SITE BORROW, WASTE, AND USE AREAS ARE PART OF CONSTRUCTION SITE AND ARE TO BE INSPECTED AT THE SAME FREQUENCY OF ON SITE INSPECTIONS.
10. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. ALL PRECAUTIONS SHALL BE TAKEN TO AVOID TRACKING DURING CONSTRUCTION.
11. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES STOCKPILES OR SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN UNDISTURBED FOR MORE THAN 14 DAYS WILL RECEIVE TEMPORARY SEEDING WITHIN 7 CALENDAR DAYS.
12. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, SILT FILTER BAG (SPECIAL) OR OTHER APPROPRIATE MEASURE.
13. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
14. THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER ARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVED TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.
15. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE LATEST EDITION OF THE ILLINOIS URBAN MANUAL.
16. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFF SITE BORROW, WASTE, USE (BWU) AREAS, PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.5.a and b OF THE SWPPP. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
17. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER.
18. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENT SET FORTH BY THE ILLINOIS EPA.
19. PERMANENT STABILIZATION ON STAGE 1 MUST BE COMPLETED PRIOR TO SWITCHING TRAFFIC TO THE STAGE 2 CONFIGURATION.

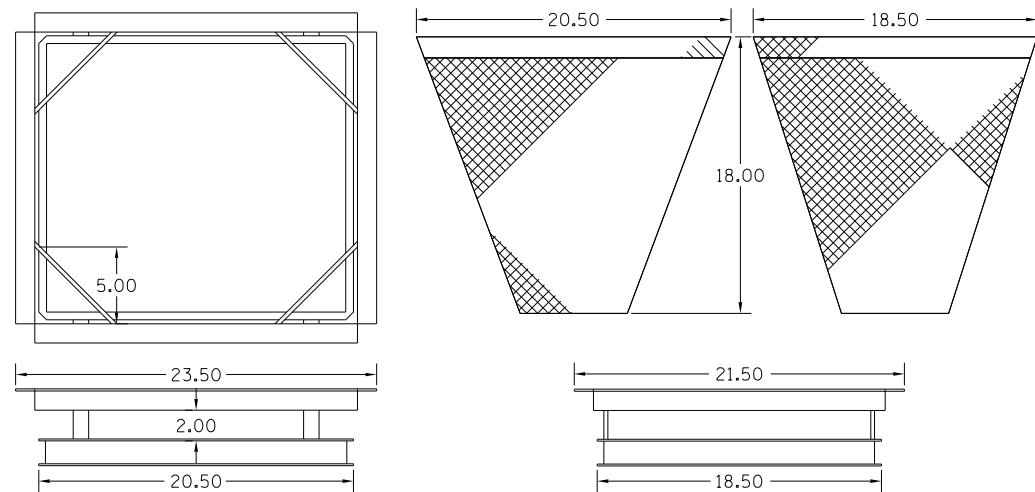
I:\6710\671018 - McCarthy at Walker - Intersection\_imp\CADD\CADD SHEETS\60L79-ht-arcs.dwt.dgn

FILE NAME =	USER NAME = rgo11	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION CONTROL DETAILS AND GENERAL NOTES</b>				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - RG	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	1587	3098-R	COOK	95 38
		CHECKED - MGR	REVISED -		CONTRACT NO. 60L79									
		DATE - MARCH, 2012	REVISED -		ILLINOIS FED. AID PROJECT									

TYPE 24 INLET FILTER

NOTES:

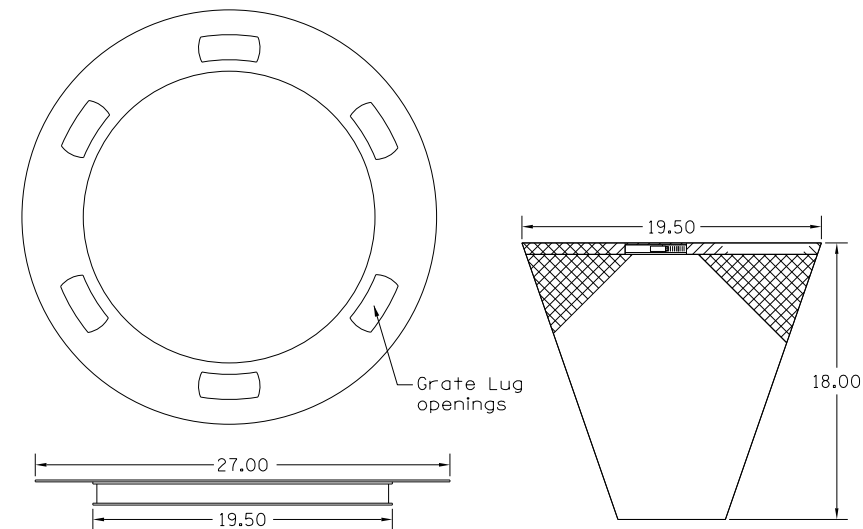
FRAME: Top piece shall be fabricated from 1 1/4" x 1 1/4" x 1/8" angle. Base piece shall be fabricated from 1 1/2" x 1/2" x 1/8" channel. Handles and suspension brackets shall be fabricated from 1 1/4" x 1/4" flat stock. Domestic steel conforming to ASTM-A36.  
 SEDIMENT BAG: Shall be fabricated from 4 oz./sq. yd. non-woven polypropylene geotextile and shall be reinforced with polyester mesh. The bag shall be secured to the base piece with a stainless steel strap and lock.



TYPE 8 INLET FILTER

NOTES:

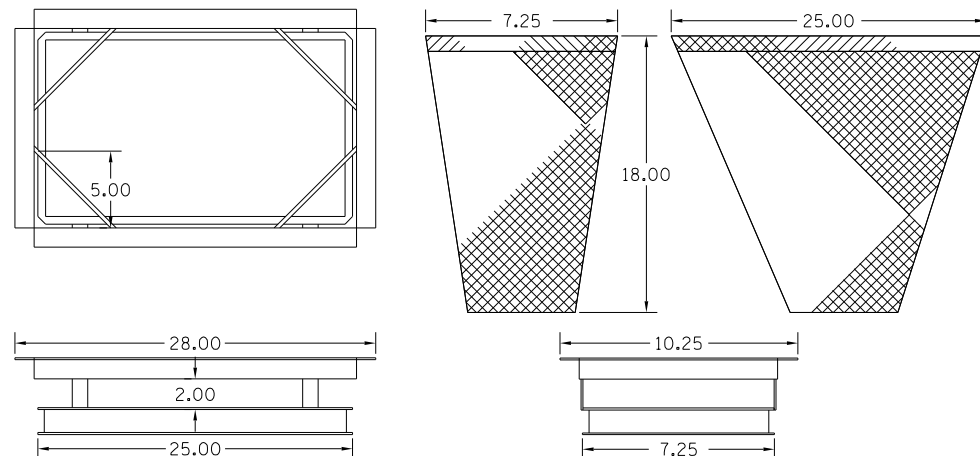
FRAME: Flange shall be fabricated from 1/8" flat stock. Base ring shall be fabricated from 1 1/2" x 1/2" x 1/8" channel. Domestic steel conforming to ASTM-A36.  
 SEDIMENT BAG: Shall be fabricated from 4 oz./sq. yd. non-woven polypropylene geotextile and shall be reinforced with polyester mesh. The bag shall be secured to the base ring with a stainless steel strap and lock.



TYPE 11 INLET FILTER

NOTES:

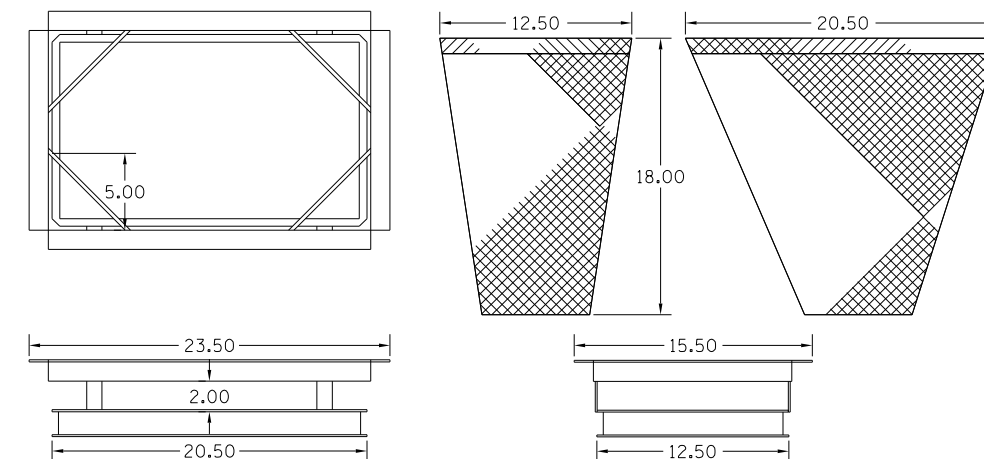
FRAME: Top piece shall be fabricated from 1 1/4" x 1 1/4" x 1/8" angle. Base piece shall be fabricated from 1 1/2" x 1/2" x 1/8" channel. Handles and suspension brackets shall be fabricated from 1 1/4" x 1/4" flat stock. Domestic steel conforming to ASTM-A36.  
 SEDIMENT BAG: Shall be fabricated from 4 oz./sq. yd. non-woven polypropylene geotextile and shall be reinforced with polyester mesh. The bag shall be secured to the base piece with a stainless steel strap and lock.



TYPE 23 INLET FILTER

NOTES:

FRAME: Top piece shall be fabricated from 1 1/4" x 1 1/4" x 1/8" angle. Base piece shall be fabricated from 1 1/2" x 1/2" x 1/8" channel. Handles and suspension brackets shall be fabricated from 1 1/4" x 1/4" flat stock. Domestic steel conforming to ASTM-A36.  
 SEDIMENT BAG: Shall be fabricated from 4 oz./sq. yd. non-woven polypropylene geotextile and shall be reinforced with polyester mesh. The bag shall be secured to the base piece with a stainless steel strap and lock.



NOTE: ALL UNITS ARE IN INCHES UNLESS OTHERWISE NOTED

I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-eros.detail.dgn

FILE NAME =	USER NAME = rge11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL  
INLET FILTER DETAIL

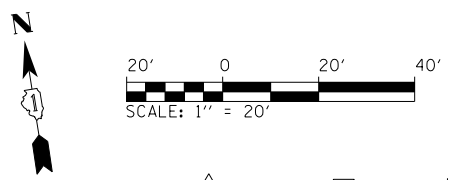
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	39
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				

**NOTES:**  
 1. THE CONTRACTOR SHALL VERIFY EXISTING DRAINAGE STRUCTURE DATA IN FIELD PRIOR TO INSTALLATION OF DRAINAGE ITEMS. GRADES OF EXISTING SEWER LINES WERE DETERMINED FROM AVAILABLE PLANS AND SURVEY. THE INVERTS OF THE PROPOSED DRAINAGE STRUCTURES MAY REQUIRE REVISIONS TO MEET EXISTING FIELD CONDITIONS, ANY ADJUSTMENTS SHALL BE AS DIRECTED BY THE ENGINEER.  
 2. CONNECTION OF EXISTING PIPES TO PROPOSED STRUCTURES SHALL BE INCIDENTAL TO INSTALLATION OF STRUCTURE. CONNECTION OF PROPOSED PIPES TO EXISTING STRUCTURES SHALL ALSO BE INCIDENTAL TO INSTALLATION.

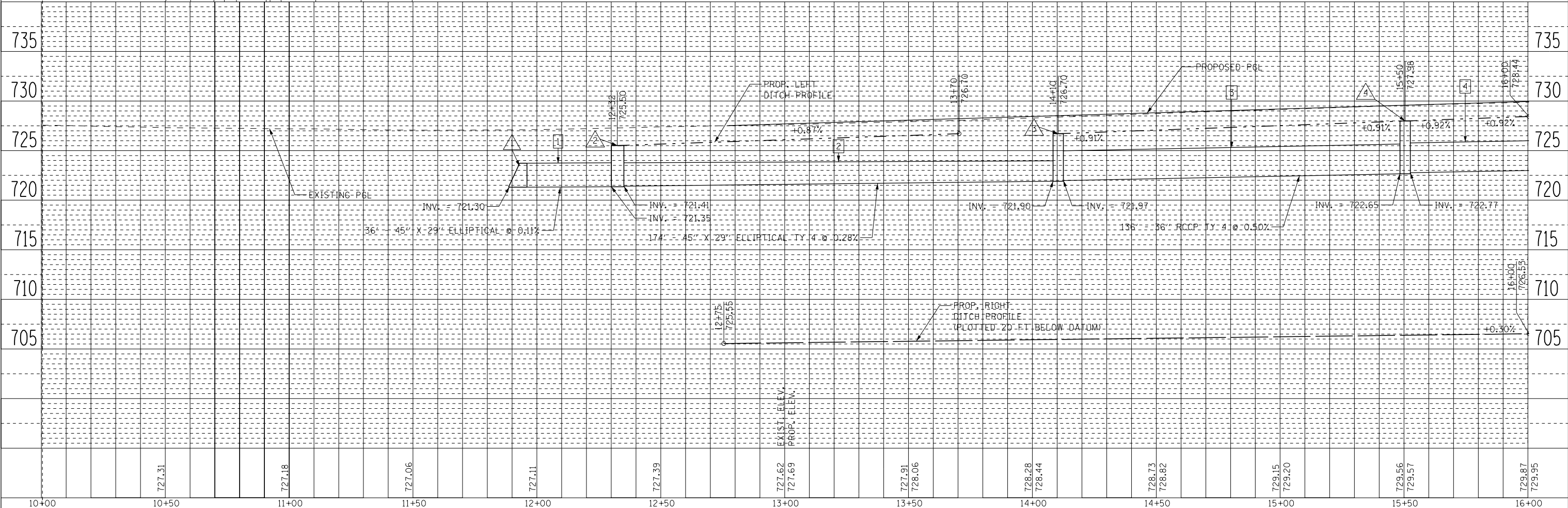
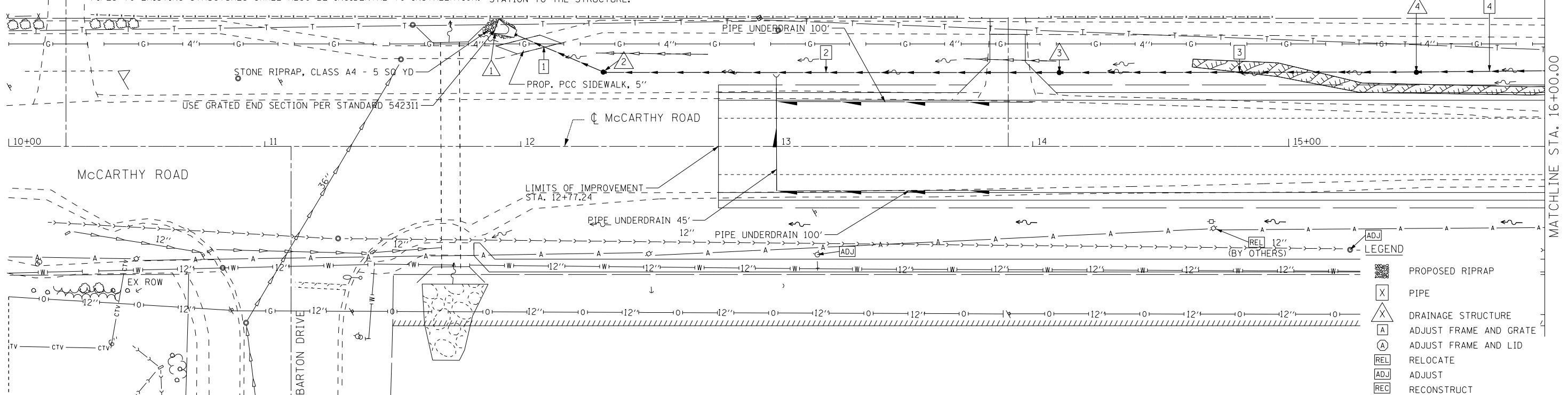
3. OFFSETS AND ELEVATIONS FOR INLETS AND CATCH BASINS AT CURB AND GUTTER LOCATIONS ARE GIVEN AT THE EDGE OF PAVEMENT. OFFSETS AND ELEVATIONS FOR INLETS, CATCH BASINS, AND MANHOLES IN GRASS AREAS ARE GIVEN AT THE STR. CENTER. EXCEPTIONS INCLUDE THE FOLLOWING: NO. 6 HAS AN OFFSET AND ELEVATION AT CENTER OF STR., NO. 7 & NO. 11 HAVE OFFSETS AND ELEVATIONS AT THE GUTTER ELEVATION, AND NO. 10 HAS AN OFFSET AND ELEVATION AT EDGE OF PAVEMENT. OFFSETS AND ELEVATIONS FOR FLARED END SECTIONS ARE GIVEN AT THE LOCATION WHERE THE END SECTION APRON MEETS THE DITCH. IN ALL CASES OFFSETS ARE GIVEN AS THE PERPENDICULAR DISTANCE FROM HORIZONTAL ALIGNMENT STATION TO THE STRUCTURE.

4. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES TO MAINTAIN EXISTING UTILITIES, SEWERS AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.



PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	



FILE NAME	USER NAME = r9a11	DESIGNED -	REVISED -
*FILEL*		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/19/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

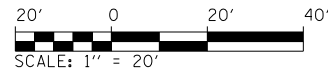
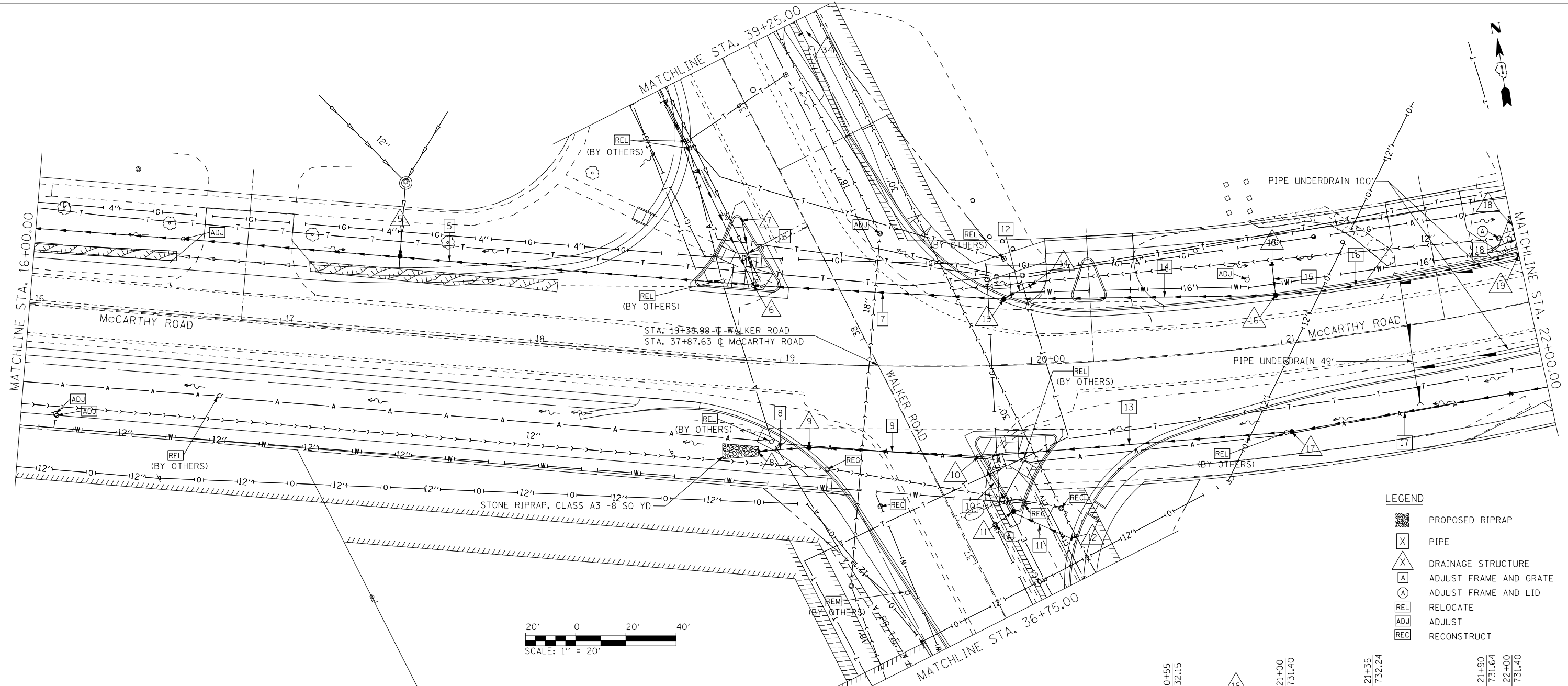
**DRAINAGE PLAN AND PROFILE  
McCARTHY ROAD**

SCALE: SHEET NO. 1 OF 3 SHEETS STA. 10+00 TO STA. 16+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	40
CONTRACT NO. 60L79			ILLINOIS FED. AID PROJECT	

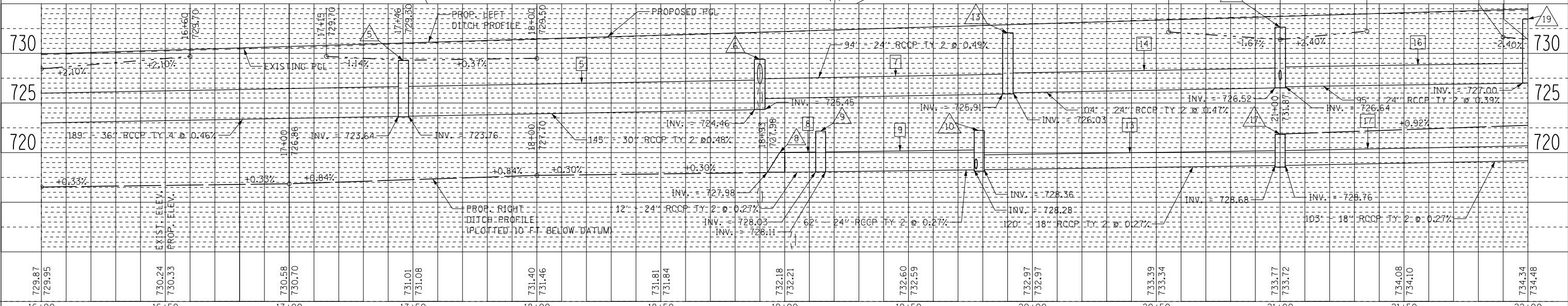
PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. OF SHEETS	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO. OF SHEETS	
	BY	
	DATE	



**LEGEND**

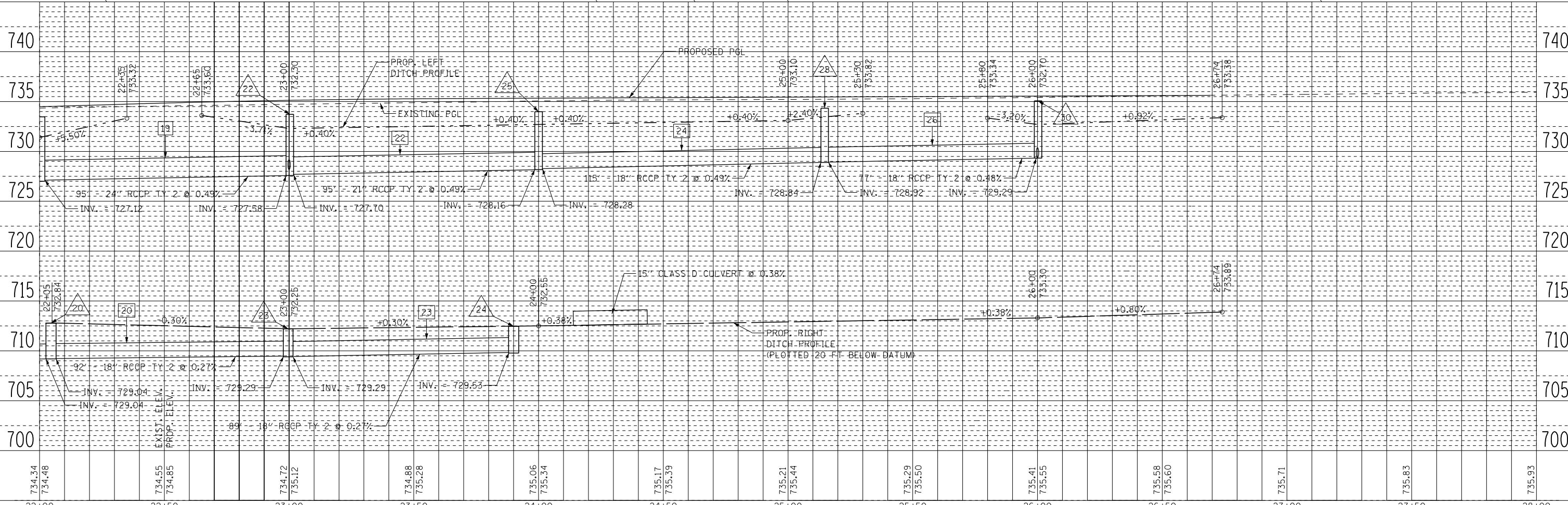
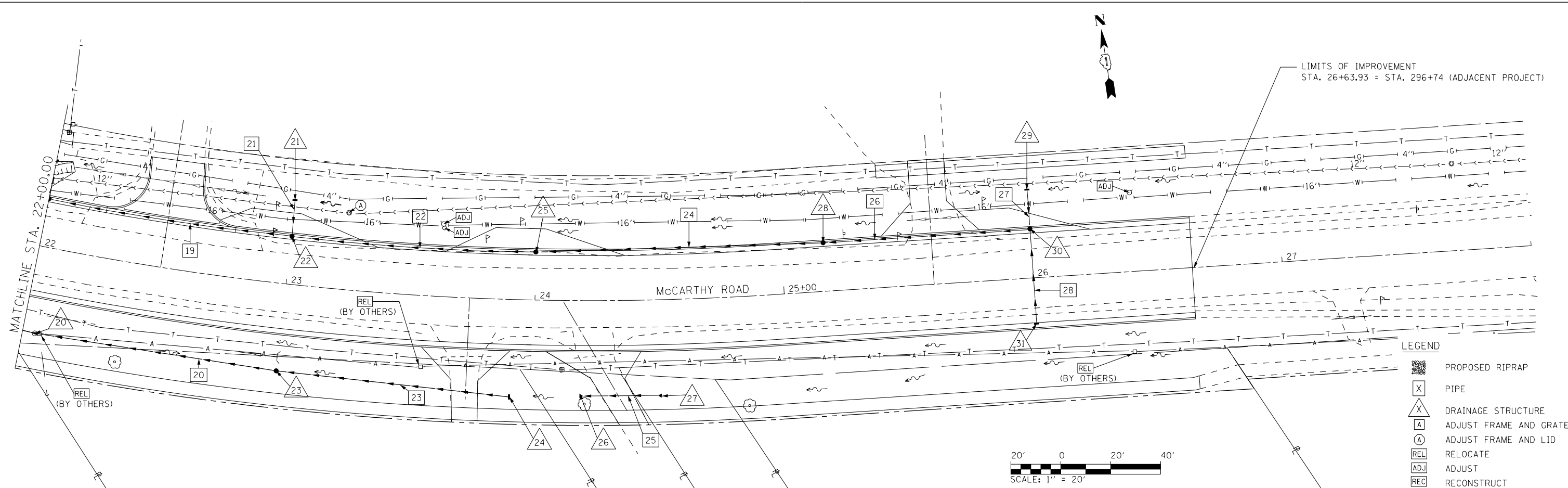
[Hatched Box]	PROPOSED RIPRAP
[X]	PIPE
[X with A]	DRAINAGE STRUCTURE
[A]	ADJUST FRAME AND GRATE
[A with A]	ADJUST FRAME AND LID
[REL]	RELOCATE
[ADJ]	ADJUST
[REC]	RECONSTRUCT



FILE NAME =	USER NAME = r9e11	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PLAN AND PROFILE</b>			F.A. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL*		DRAWN -	REVISED -		<b>McCarthy Road</b>			1587	3098-R	COOK	95	41
		CHECKED -	REVISED -		SCALE:      SHEET NO. 2 OF 3 SHEETS      STA. 16+00      TO STA. 22+00			CONTRACT NO. 60L79				
		DATE - 10/19/2012	REVISED -		ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	NO. 1	
	FILE NAME	

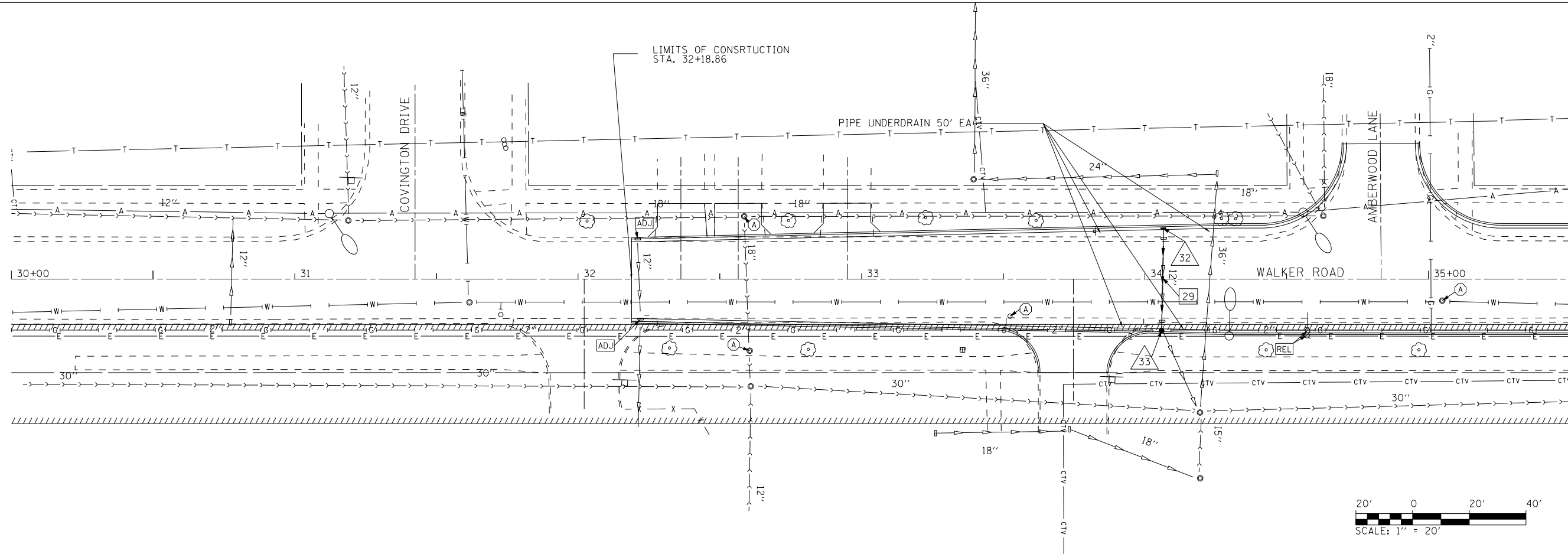
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATRS CHKD	
	NO. 1	



FILE NAME =	USER NAME = r9011	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PLAN AND PROFILE McCARTHY ROAD</b>		F.A. RTE. = 1587	SECTION = 3098-R	COUNTY = COOK	TOTAL SHEETS = 95	SHEET NO. = 42
*FILEL*	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET NO. 3 OF 3 SHEETS	STA. 22+00 TO STA. 26+74.09	CONTRACT NO. 60L79		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 10/19/2012	DATE -	REVISED -								

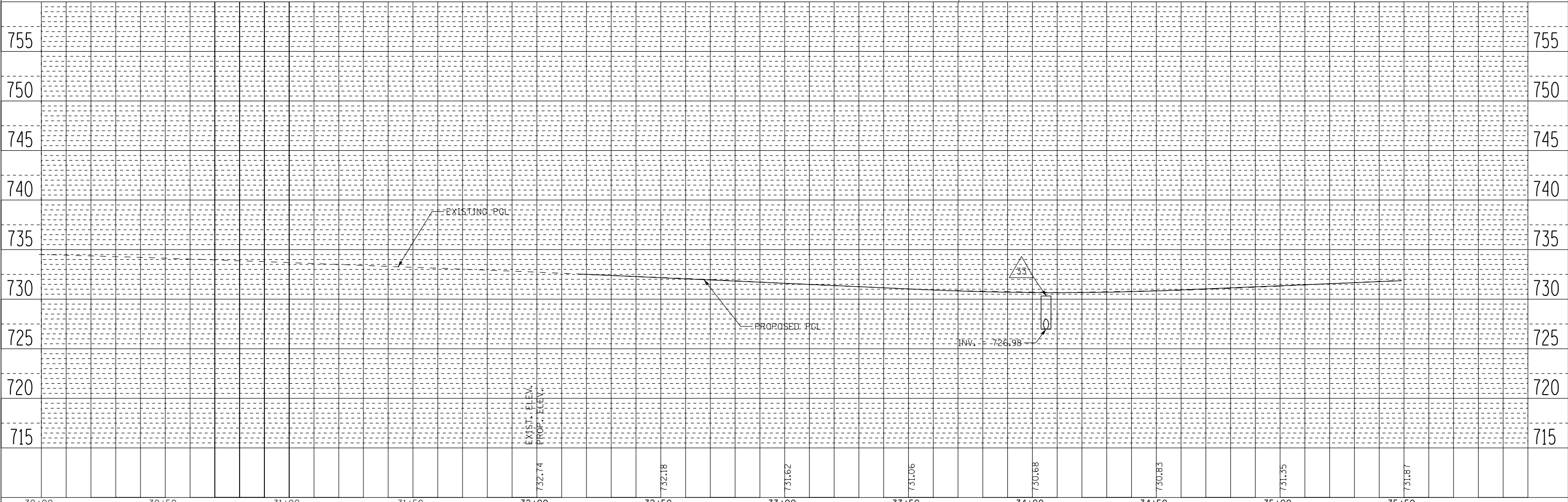
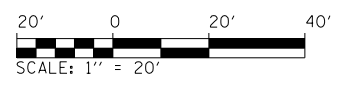
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
NOTE BOOK NO.	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
NOTE BOOK NO.	NOTATIONS CHECKED		



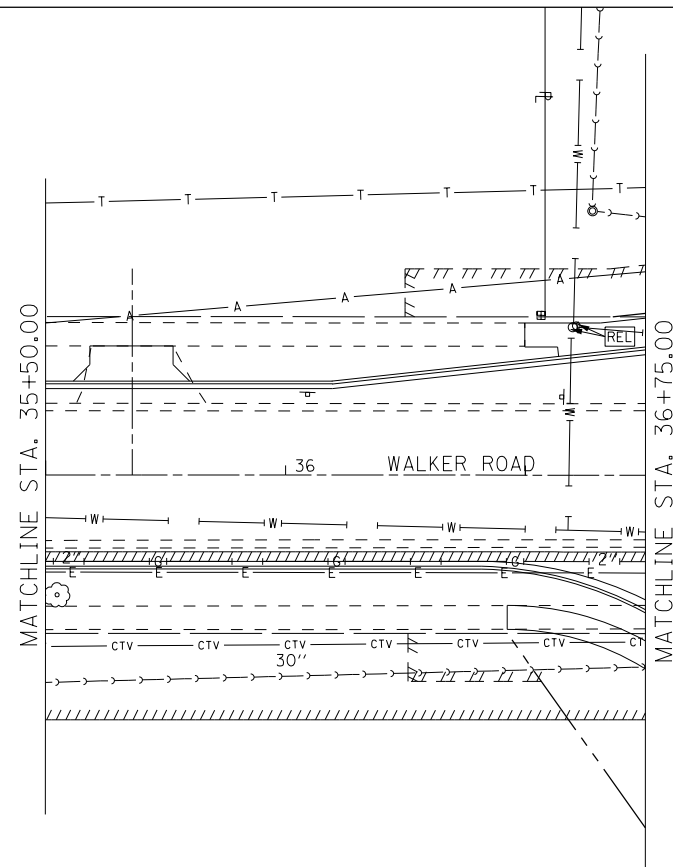
LEGEND

- PROPOSED RIPRAP
- PIPE
- DRAINAGE STRUCTURE
- ADJUST FRAME AND GRATE
- ADJUST FRAME AND LID
- RELOCATE
- ADJUST
- RECONSTRUCT

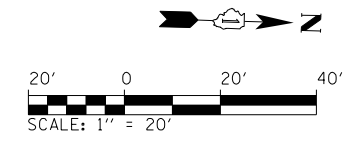
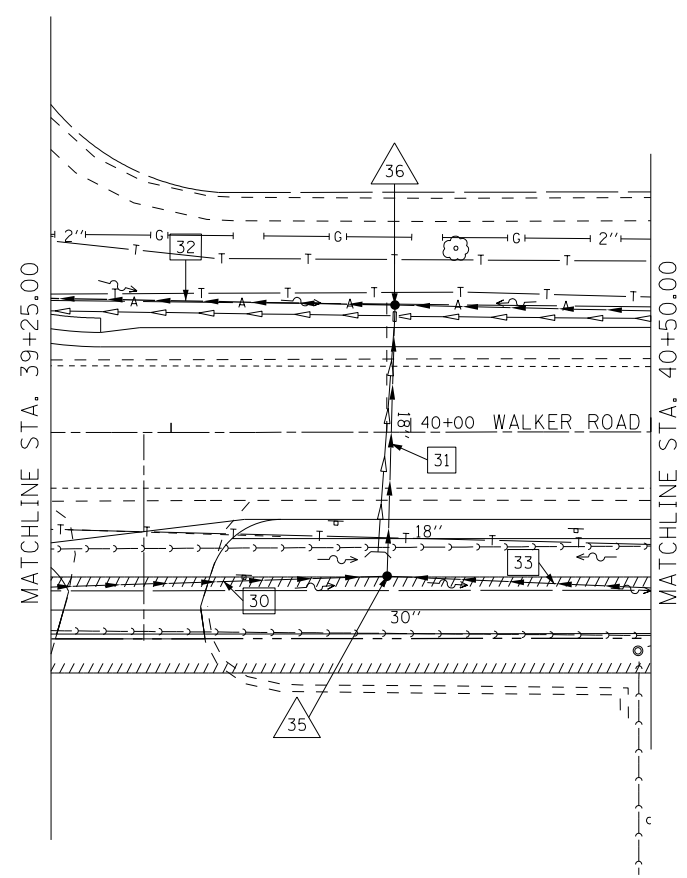


FILE NAME =	USER NAME = r9e11	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PLAN AND PROFILE WALKER ROAD</b>				F.A. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 43
*FILEL*		DRAWN -	REVISED -		SCALE: SHEET NO. 1 OF 3 SHEETS STA. 32+18.86 TO STA. 35+50.00				CONTRACT NO. 60L79				
		CHECKED -	REVISED -						ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -										

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
NOTE BOOK NO.	FILE NAME		



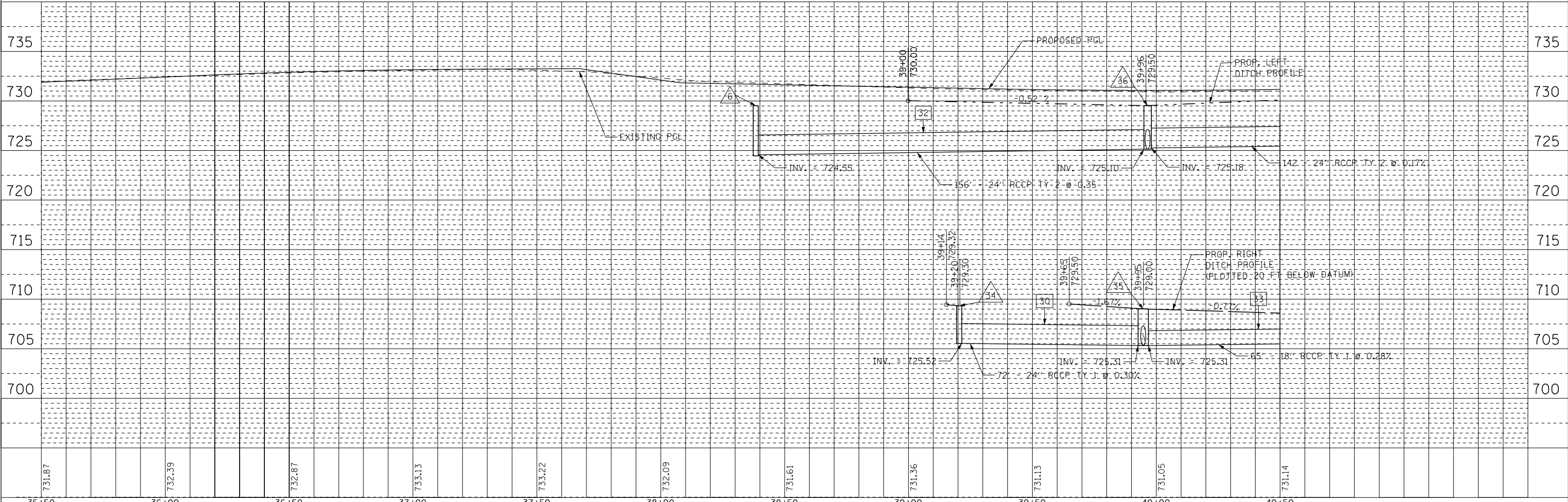
SEE MCCARTHY ROAD DRAINAGE PLAN AND PROFILE SHEET 34 FOR INTERSECTION INFORMATION



**LEGEND**

- PROPOSED RIPRAP
- PIPE
- DRAINAGE STRUCTURE
- ADJUST FRAME AND GRATE
- ADJUST FRAME AND LID
- RELOCATE
- ADJUST
- RECONSTRUCT

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
NOTE BOOK NO.	NOTATION CHG NO.		

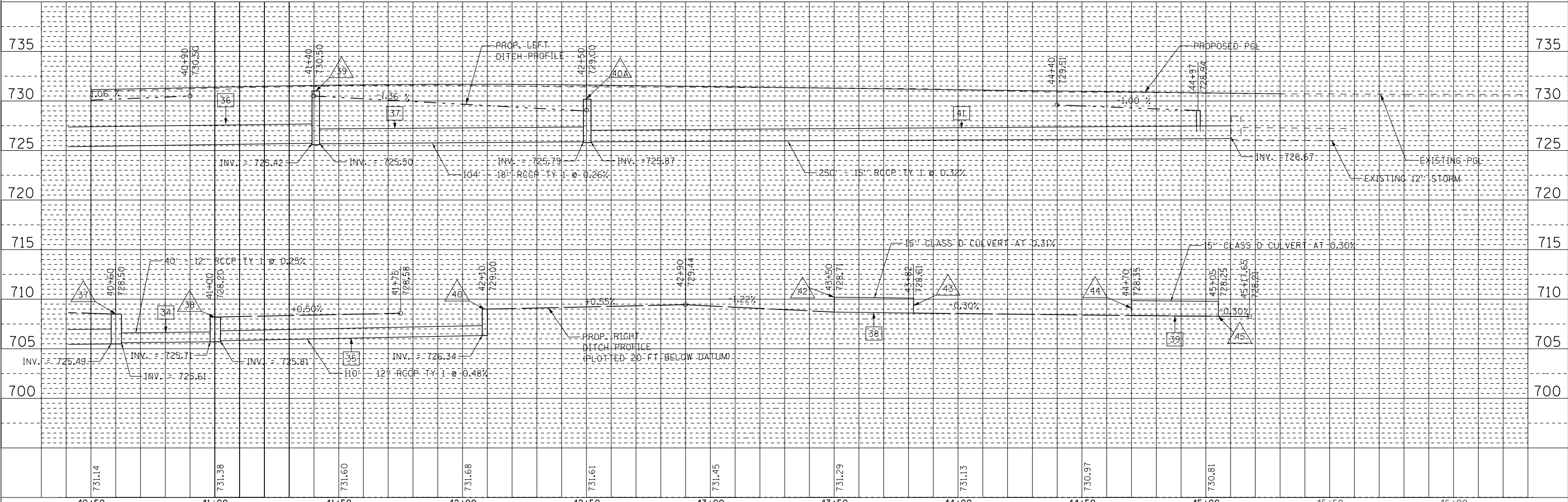
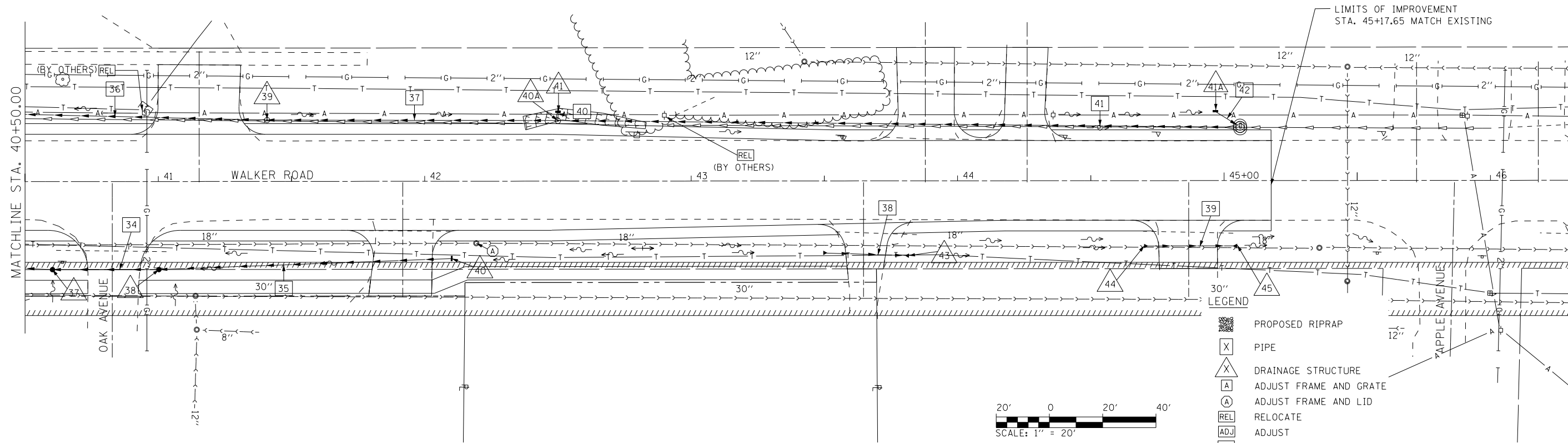


FILE NAME =	USER NAME = r9all	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PLAN AND PROFILE WALKER ROAD</b>				F.A. RTE. = 1587	SECTION = 3098-R	COUNTY = COOK	TOTAL SHEETS = 95	SHEET NO. = 44
*FILEL*	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 60L79					
	PLOT DATE = 10/19/2012	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										



PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOTATIS CHFD	
	NO.	



FILE NAME =	USER NAME = r9e11	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE PLAN AND PROFILE WALKER ROAD</b>		F.A. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILEL*		DRAWN -	REVISED -		1587	3098-R	COOK	95	45		
		CHECKED -	REVISED -		CONTRACT NO. 60L79						
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

STRUCTURE SCHEDULE													
STR NO	STA	OFFSET		STRUCTURE TYPE/SIZE			F&G	INVERT					RIM
		(FT)	LT/RT	INLET	CB	MH		N	S	E	W	NW	ELEVATION
1	11+85	46.6	LT	PRC FES 45" X 29"			-						-
2	12+32	29.0	LT		A-5		8		721.41	721.35			725.50
3	14+10	29.0	LT		A-5		8		721.97	721.90			726.70
4	15+50	29.0	LT		A-5		8		722.77	722.65			727.98
5	17+46	30.5	LT		A-5		8	726.7+/-	723.76	723.64			729.30
6	18+87.14	30.06	LT			A-5	1CL	726.95	725.45	724.46	724.55		731.85
7	38+64.08	28.89	LT	A			23		727.18				730.94
8	18+93	35.88	RT	PRC FES 24"			-				727.98		-
9	19+12.35	34.2	RT		A-4		23		728.11	728.03			732.44
10	19+77.26	36.75	RT			A-5	1CL		728.36	728.36	728.28		732.81
11	37+11.62	22.14	RT		A-4		23	728.57		728.65			732.55
12	36+91.76	37.43	RT	A			11				728.87		732.29
13	19+89.20	25.49	LT		A-5		24	727.10		726.03	725.91		731.90
14	20+00.30	31.32	LT	A			8				727.20		731.20
15	21+00	32.0	LT	A			8		727.40				731.40
16	21+00	18.0	LT		A-5		24	727.30		726.64	726.52		733.07
17	21+00	35.7	RT		A-4		8			728.76	728.68		731.87
18	22+00	35.0	LT	A			8		727.40				731.40
19	22+00	18.0	LT		A-5		24	727.28		727.12	727.00		733.83
20	22+05	35.0	RT			A-4	1CL			729.04	729.04		732.84
21	23+00	34.0	LT	A			8		728.30				732.30
22	23+00	18.0	LT		A-5		24	728.18		727.7	727.58		734.47
23	23+00	35.5	RT		A-4		8			729.29	729.29		732.25
24	23+90	39.0	RT	A			8				729.53		732.52
25	24+00	18.0	LT		A-4		24			728.28	728.16		734.69
26	24+18	40.0	RT	FES 15"			-				732.62		-
27	24+50	40.0	RT	FES 15"			-			732.74			-
28	25+17	18.0	LT		A-4		24			728.92	728.84		735.05
29	26+00	35.5	LT	A			8		729.49				732.70
30	26+00	18.0	LT		A-4		24	729.37	730.86		729.29		735.19
31	26+00	18.0	RT	A			24	731.20					735.20
32	34+06.54	17.47	LT	A			11			727.31			730.32
33	34+06.54	17.55	RT		A-4		11		MATCH EX	726.98			730.32
34	39+20	32.0	RT	A			8	725.52					729.30
35	39+95	30.0	RT		A-5		8	725.31	725.31		725.31		729.00
36	39+96	26.5	LT		A-5		8	725.24	725.10	725.18			729.50
37	40+60	33.0	RT		A-4		8	725.61	725.49				728.50
38	41+00	33.0	RT		A-4		8	725.81	725.69				728.20
39	41+40	23.0	LT			A-4	1CL	725.86	725.80				730.50
40	42+10	29.0	RT	A			8			726.34			729.00
41	42+90	27.0	LT	A			8			725.9			729.00
42	4250	27.0	RT	FES 15"			-			728.70			-
43	43+82	27.0	RT	FES 15"			-	728.61					-
44	44+70	24.5	RT	FES 15"			-			728.35			-
45	45+05	27.0	RT	FES 15"			-	728.25					-
40A	42+50	22.6	LT			A-5	1CL	725.87	725.79		725.88		730.9
41A	44+97	25.0	LT		A-4		8	726.64	726.56				728.94

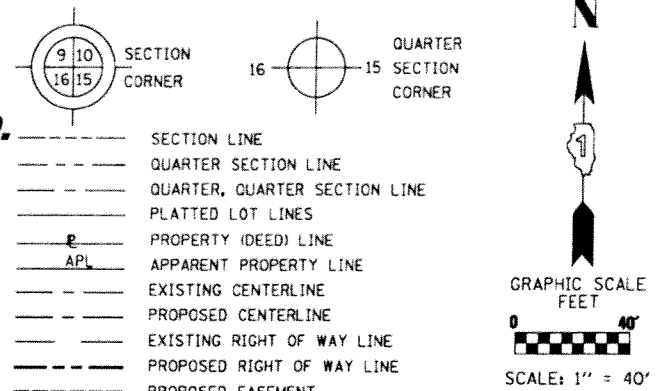
PIPE SCHEDULE					
PIPE NO.	DESCRIPTION	DIA. (IN)	L	S <sub>f</sub>	TBF (CU YD)
1	ELLIPTICAL, EQ 36"	45" X 29"	36.0	0.11%	0
2	ELLIPTICAL, EQ 36"	45" x 29"	174.0	0.28%	0
3	RCCP TY 1	36	136.0	0.50%	0
4	RCCP TY 1	36	189.0	0.46%	0
5	RCCP TY 2	30	145.0	0.48%	96
6	RCCP TY 2	12	23.0	1.00%	5
7	RCCP TY 2	24	94.0	0.49%	60
8	RCCP TY 1	24	12.0	0.27%	1
9	RCCP TY 1	24	62.0	0.27%	11
10	STORM SEW WM REQ	12	21.0	1.00%	4
11	RCCP TY 1	12	22.0	1.00%	3
12	STORM SEW WM REQ	12	10.0	1.00%	3
13	RCCP TY 1	18	120.0	0.27%	15
14	STORM SEW WM REQ	24	104.0	0.47%	66
15	STORM SEW WM REQ	12	10.0	1.00%	3
16	STORM SEW WM REQ	24	95.0	0.39%	69
17	RCCP TY 1	18	103.0	0.27%	0
18	STORM SEW WM REQ	12	12.0	1.00%	6
19	STORM SEW WM REQ	24	95.0	0.49%	72
20	RCCP TY 1	18	92.0	0.27%	0
21	STORM SEW WM REQ	12	12.0	1.00%	6
22	STORM SEW WM REQ	21	95.0	0.49%	69
23	RCCP TY 1	18	89.0	0.27%	0
24	RCCP TY 2	18	115.0	0.49%	76
25	CLASS D CULVERT	15	32.0	0.38%	0
26	RCCP TY 2	18	77.0	0.48%	47
27	STORM SEW WM REQ	15	12.0	1.00%	3
28	RCCP TY 2	12	34.0	1.00%	7
29	RCCP TY 1	12	31.0	1.07%	3
30	RCCP TY 1	24	72.0	0.30%	5
31	RCCP TY 1	24	56.0	23.00%	7
32	RCCP TY 1	24	156.0	0.35%	32
33	RCCP TY 1	18	65.0	0.28%	0
34	RCCP TY 1	12	40.0	0.25%	2
35	RCCP TY 1	12	110.0	0.48%	0
36	RCCP TY 1	24	142.0	0.40%	26
37	RCCP TY 1	18	64.0	0.26%	9
38	CLASS D CULVERT	15	32.0	0.31%	0
39	CLASS D CULVERT	15	35.0	0.30%	0
40	RCCP TY 1	12	25.0	0.50%	0
41	RCCP TY 2	15	250.0	0.32%	32
42	RCCP TY 1	12	9.0	0.32%	0

I:\6710\671018 - McCerthy at Walker Intersection\_imp\CADD\CADD\_SHEETS\60L79-htr-drain-schedule.dgn

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
OH0001	STANDARD BANK AND TRUST COMPANY AS TRUSTEE UNDER TRUST AGREEMENT DATED MAY 3, 1993 AND KNOWN AS TRUST NO. 13867	7.034	0.034	0.000	7.000			22-28-202-004	
OH0001TE			0.000			0.014	TEMPORARY		
OH0002TE	LEMONT PARK DISTRICT, AN ILLINOIS PARK DISTRICT AND UNIT OF LOCAL GOVERNMENT	1.331	0.000	0.000	1.331	0.006 (261 SF)	TEMPORARY	22-28-401-033	

**PART OF THE NORTHWEST AND SOUTHWEST QUARTER OF SECTION 27 & PART OF THE NORTHEAST & SOUTHWEST QUARTER OF SECTION 28, ALL IN TWP. 37 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.**

**LEGEND**



**COORDINATE/STATION TABLE**

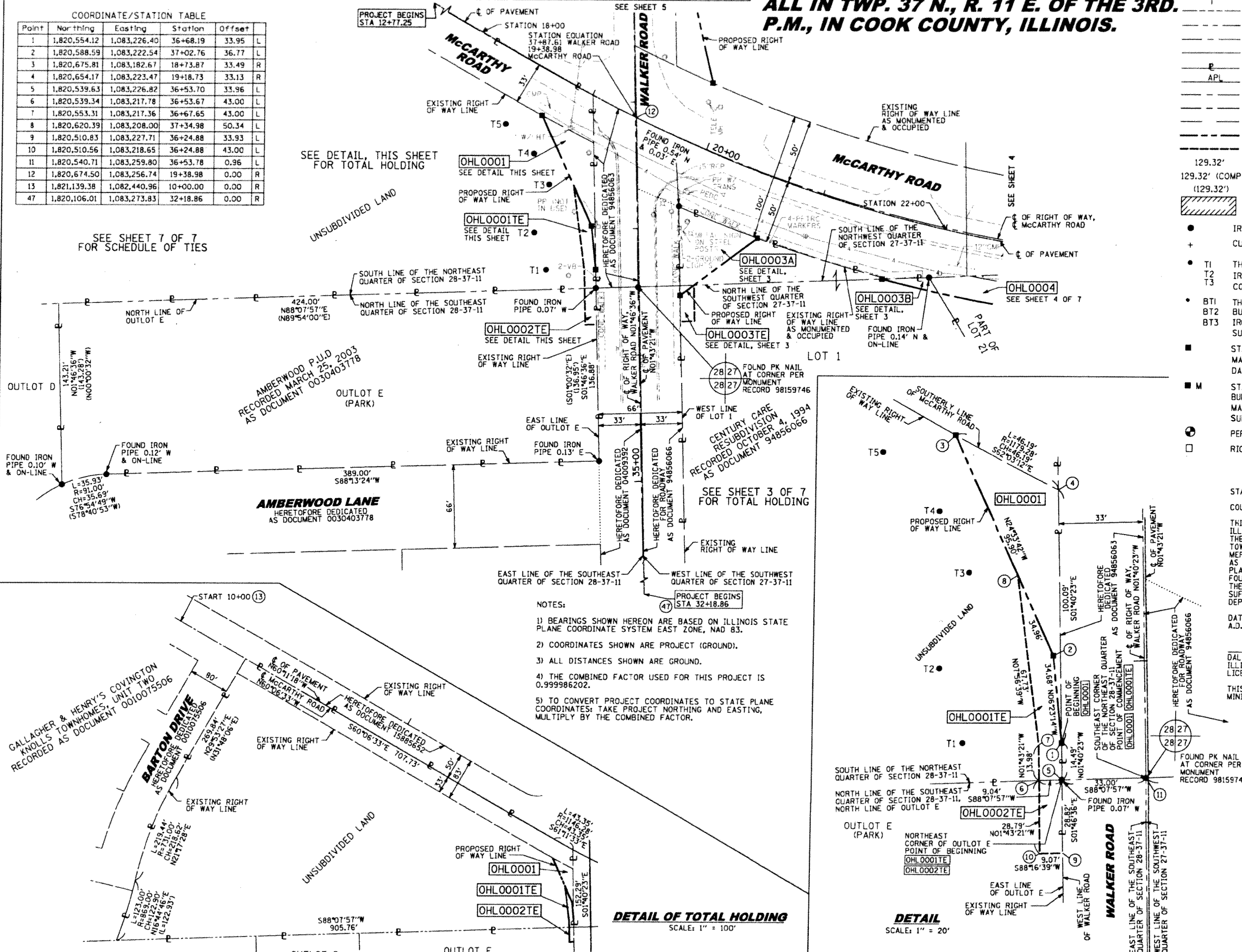
Point	Northing	Eastng	Station	Offset	
1	1,820,554.12	1,083,226.40	36+68.19	33.95	L
2	1,820,588.59	1,083,222.54	37+02.76	36.77	L
3	1,820,675.81	1,083,182.67	18+73.87	33.49	R
4	1,820,654.17	1,083,223.47	19+18.73	33.13	R
5	1,820,539.63	1,083,226.82	36+53.70	33.96	L
6	1,820,539.34	1,083,217.78	36+53.67	43.00	L
7	1,820,553.31	1,083,217.36	36+67.65	43.00	L
8	1,820,620.39	1,083,208.00	37+34.98	50.34	L
9	1,820,510.83	1,083,227.71	36+24.88	33.93	L
10	1,820,510.56	1,083,218.65	36+24.88	43.00	L
11	1,820,540.71	1,083,259.80	36+53.78	0.36	L
12	1,820,674.50	1,083,256.74	19+38.98	0.00	R
13	1,821,139.38	1,082,440.96	10+00.00	0.00	R
47	1,820,106.01	1,083,273.83	32+18.86	0.00	R

SEE SHEET 7 OF 7 FOR SCHEDULE OF TIES

SEE DETAIL, THIS SHEET FOR TOTAL HOLDING

SEE SHEET 3 OF 7 FOR TOTAL HOLDING

BY	DATE	SDS	DAG
DRAWN	05/04/2011	SDS	DAG
APPROVED	05/04/2011	DAG	
REVISED	05/24/2011	DAG	



- NOTES:**
- 1) BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.
  - 2) COORDINATES SHOWN ARE PROJECT (GROUND).
  - 3) ALL DISTANCES SHOWN ARE GROUND.
  - 4) THE COMBINED FACTOR USED FOR THIS PROJECT IS 0.999986202.
  - 5) TO CONVERT PROJECT COORDINATES TO STATE PLANE COORDINATES: TAKE PROJECT NORTING AND EASTING, MULTIPLY BY THE COMBINED FACTOR.

STATE OF ILLINOIS  
COUNTY OF COOK

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27 AND 28, TOWNSHIP 37 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 RE-TRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

RECEIVED  
JUL 09 2012  
PLATS & LEGALS

DALE A. GRAY  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057  
LICENSE EXPIRES: NOVEMBER 30, 2012

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

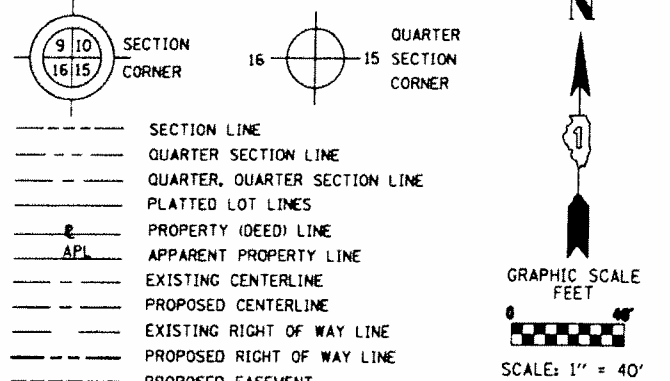
**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
**McCarthy Road**

SECTION: AT WALKER ROAD COUNTY: COOK  
PROJECT: McCarthy Road JOB NO.: R-90-012-10  
STATION: 18+00 TO STATION: 22+00  
SCALE: 1" = 40' SHEET 2 OF 7

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

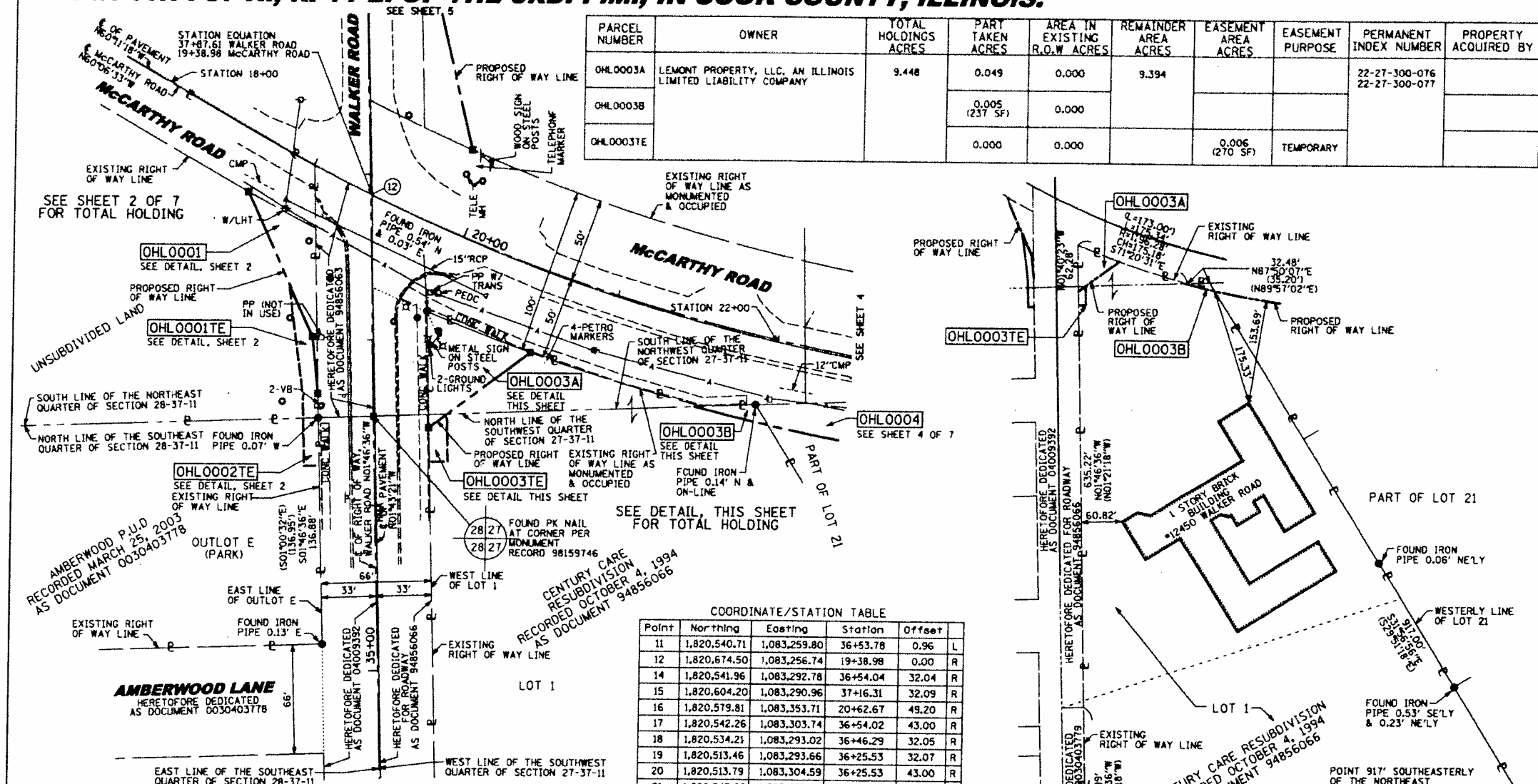
**PART OF THE NORTHWEST AND SOUTHWEST QUARTER OF SECTION 27 & PART OF THE NORTHEAST & SOUTHWEST QUARTER OF SECTION 28, ALL IN TWP. 37 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.**

**LEGEND**



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
0HL0003A	LEMONT PROPERTY, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	9.448	0.049	0.000	9.394			22-27-300-076	
0HL0003B			0.005 (237 SF)	0.000				22-27-300-077	
0HL0003TE			0.000	0.000		0.006 (270 SF)	TEMPORARY		

DATE	BY
05/04/2011	SOS
06/04/2011	DAG
07/02/2012	DAG



**COORDINATE/STATION TABLE**

Point	Northing	Easting	Station	Offset
11	1,820,540.71	1,083,259.80	36+53.78	0.96 L
12	1,820,674.50	1,083,256.74	19+38.98	0.00 R
14	1,820,541.96	1,083,292.78	36+54.04	32.04 R
15	1,820,604.20	1,083,290.96	37+16.31	32.09 R
16	1,820,579.81	1,083,353.71	20+62.67	49.20 R
17	1,820,542.26	1,083,303.74	36+54.02	43.00 R
18	1,820,534.21	1,083,293.02	36+46.29	32.05 R
19	1,820,513.46	1,083,293.66	36+25.53	32.07 R
20	1,820,513.79	1,083,304.59	36+25.53	43.00 R
21	1,820,548.00	1,083,452.65	21+62.23	50.00 R
22	1,820,549.39	1,083,489.39	21+96.20	39.78 R
23	1,820,537.16	1,083,497.02	22+05.96	50.00 R

- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1, T2, T3: 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, BT2, BT3: 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.
- 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. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
 COUNTY OF COOK )

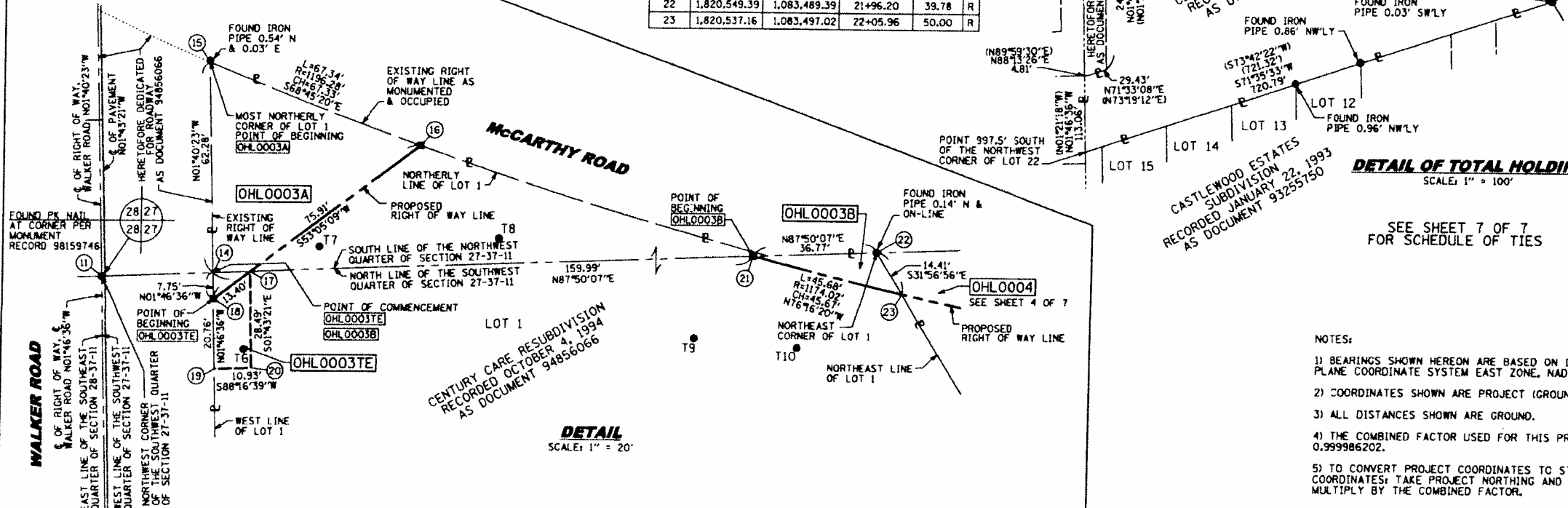
THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27 AND 28, TOWNSHIP 37 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN 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 ROSEMONT, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

**RECEIVED**  
 DALE A. GRAY  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057  
 LICENSE EXPIRES: NOVEMBER 30, 2012

GF JUL 09 2012  
 PLATS & LEGALS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



- NOTES:**
- 1) BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.
  - 2) COORDINATES SHOWN ARE PROJECT (GROUND).
  - 3) ALL DISTANCES SHOWN ARE GROUND.
  - 4) THE COMBINED FACTOR USED FOR THIS PROJECT IS 0.999986202.
  - 5) TO CONVERT PROJECT COORDINATES TO STATE PLANE COORDINATES, TAKE PROJECT NORTHING AND EASTING, MULTIPLY BY THE COMBINED FACTOR.

**Mackie Consultants, LLC**  
 9575 W. Higgins Road, Suite 500  
 Rosemont, IL 60018  
 (847)696-1400  
 www.mackieconsult.com

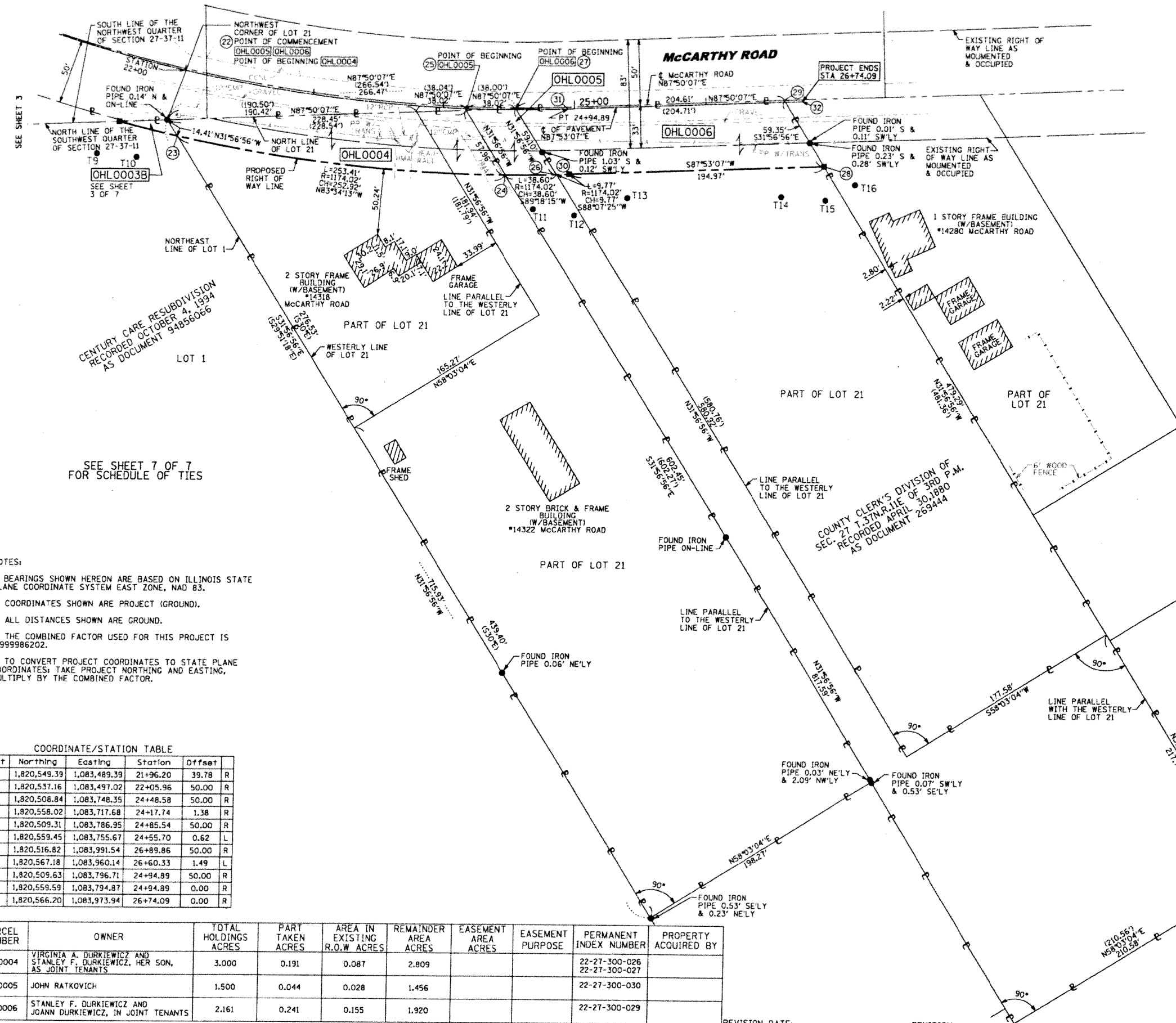
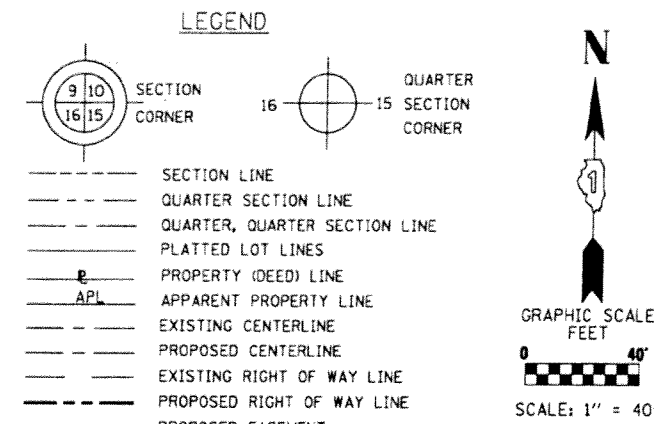
**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 MCCARTHY ROAD

SECTION: AT WALKER ROAD COUNTY: COOK  
 PROJECT: MCCARTHY ROAD JOB NO.: R-90-012-10  
 STATION: 18+00 TO STATION: 22+00  
 SCALE: 1" = 40' SHEET 3 OF 7

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



**PART OF THE NORTHWEST AND SOUTHWEST QUARTER OF SECTION 27 & PART OF THE NORTHEAST & SOUTHWEST QUARTER OF SECTION 28, ALL IN TWP. 37 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.**



BY	DATE	SDS	DAG
DRAWN	05/04/2011	APPROVED	07/02/2012
REVISOR	07/02/2012		

SEE SHEET 7 OF 7 FOR SCHEDULE OF TIES

- NOTES:
- 1) BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.
  - 2) COORDINATES SHOWN ARE PROJECT (GROUND).
  - 3) ALL DISTANCES SHOWN ARE GROUND.
  - 4) THE COMBINED FACTOR USED FOR THIS PROJECT IS 0.999986202.
  - 5) TO CONVERT PROJECT COORDINATES TO STATE PLANE COORDINATES, TAKE PROJECT NORTHING AND EASTING, MULTIPLY BY THE COMBINED FACTOR.

COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset	
22	1,820,549.39	1,083,489.39	21+96.20	39.78	R
23	1,820,537.16	1,083,497.02	22+05.96	50.00	R
24	1,820,508.84	1,083,748.35	24+48.58	50.00	R
25	1,820,558.02	1,083,717.68	24+17.74	1.38	R
26	1,820,509.31	1,083,786.95	24+85.54	50.00	R
27	1,820,559.45	1,083,755.67	24+55.70	0.62	L
28	1,820,516.82	1,083,991.54	26+89.86	50.00	R
29	1,820,567.18	1,083,960.14	26+60.33	1.49	L
30	1,820,509.63	1,083,796.71	24+94.89	50.00	R
31	1,820,559.59	1,083,794.87	24+94.89	0.00	R
32	1,820,566.20	1,083,973.94	26+74.09	0.00	R

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
OH.L0004	VIRGINIA A. DURKIEWICZ AND STANLEY F. DURKIEWICZ, HER SON, AS JOINT TENANTS	3.000	0.191	0.087	2.809			22-27-300-026 22-27-300-027	
OH.L0005	JOHN RATKOVICH	1.500	0.044	0.028	1.456			22-27-300-030	
OH.L0006	STANLEY F. DURKIEWICZ AND JOANN DURKIEWICZ, IN JOINT TENANTS	2.161	0.241	0.155	1.920			22-27-300-029	

STATE OF ILLINOIS )  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27 AND 28, TOWNSHIP 37 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 ROSEMONT, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

RECEIVED  
JUL 09 2012

DALE A. GRAY  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057  
LICENSE EXPIRES: NOVEMBER 30, 2012

PLATS & LEGALS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

**Mackie Consultants, LLC**  
9575 W. Higgins Road, Suite 500  
Rosemont, IL 60018  
(847)896-1400  
www.mackieconsult.com

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
McCARTHY ROAD

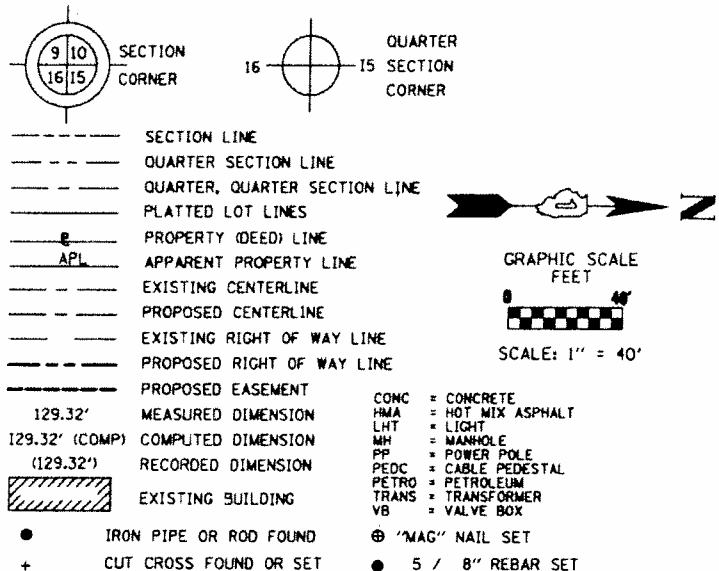
SECTION: AT WALKER ROAD COUNTY: COOK  
PROJECT: McCARTHY ROAD JOB NO.: R-90-012-10  
STATION: 22+00 TO STATION: 26+74.09  
SCALE: 1"= 40' SHEET 4 OF 7

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

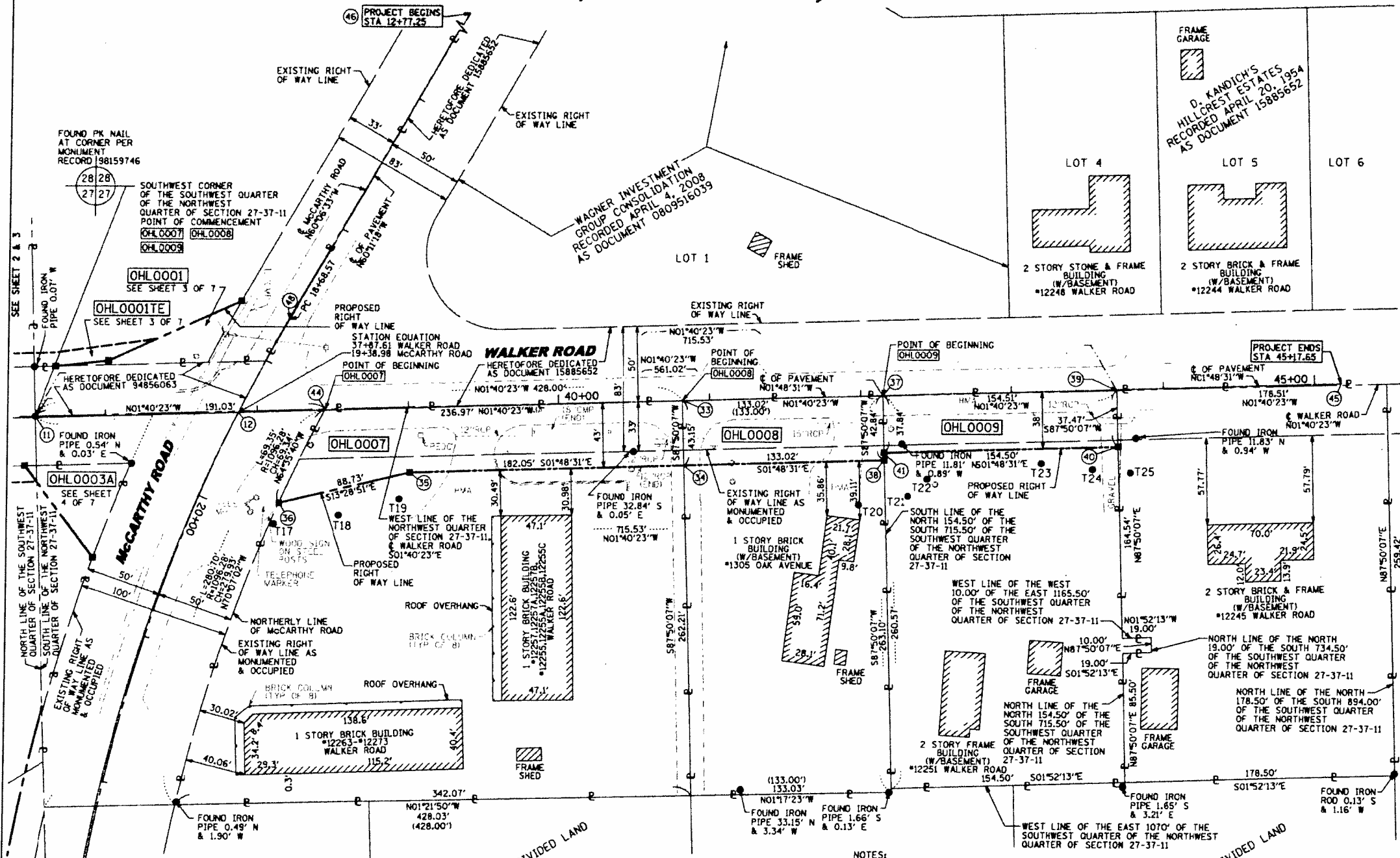
M\1992\Survey\Existing of Highway-0401

**PART OF THE NORTHWEST AND SOUTHWEST QUARTER OF SECTION 27 &  
PART OF THE NORTHEAST & SOUTHWEST QUARTER OF SECTION 28,  
ALL IN TWP. 37 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.**

**LEGEND**



BY	DATE	DESCRIPTION
SDS	05/04/2011	DRAWN
DAG	05/04/2011	APPROVED
JDC	05/09/2012	REVISED



- 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 PLUSH 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. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
COUNTY OF COOK )  
THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27 AND 28, TOWNSHIP 37 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 ROSEMONT, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

RECEIVED  
JUL 09 2012  
PLATS & LEGALS

DALE A. GRAY  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057  
LICENSE EXPIRES: NOVEMBER 30, 2012

- NOTES:
- 1) BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.
  - 2) COORDINATES SHOWN ARE PROJECT (GROUND).
  - 3) ALL DISTANCES SHOWN ARE GROUND.
  - 4) THE COMBINED FACTOR USED FOR THIS PROJECT IS 0.999986202.
  - 5) TO CONVERT PROJECT COORDINATES TO STATE PLANE COORDINATES; TAKE PROJECT NORTHING AND EASTING, MULTIPLY BY THE COMBINED FACTOR.

COORDINATE/STATION TABLE

Point	Northing	Easting	Station	Offset
11	1,820,540.71	1,083,259.80	36+53.78	0.96 L
12	1,820,674.50	1,083,256.74	19+38.98	0.00 R
33	1,820,968.53	1,083,247.30	40+81.78	0.15 L
34	1,820,970.16	1,083,290.42	40+82.05	43.00 R
35	1,820,788.20	1,083,296.17	39+00.00	43.00 R
36	1,820,701.91	1,083,316.86	38+13.10	60.95 R
37	1,821,101.49	1,083,243.42	42+14.80	0.17 R
38	1,821,103.11	1,083,286.23	42+15.07	43.00 R
39	1,821,255.93	1,083,238.91	43+69.31	0.53 R
40	1,821,257.35	1,083,276.35	43+69.54	38.00 R
41	1,821,102.92	1,083,281.23	42+15.04	38.00 R
44	1,820,731.66	1,083,254.22	38+44.81	0.71 L
45	1,821,404.18	1,083,233.70	45+17.65	0.00 R
46	1,821,001.55	1,082,681.52	12+77.25	0.00 R
48	1,820,707.57	1,083,194.58	18+68.57	0.00 R

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
OHL0007	ROSEWOOD CENTER, INC., AN ILLINOIS CORPORATION	1.776	0.264	0.186	1.512			22-27-100-12	
OHL0008	ROBERT S. KULPINSKI AND LYNETTE M. KULPINSKI, IN JOINT TENANCY	0.802	0.131	0.101	0.671			22-27-100-11	
OHL0009	RAYMOND R. COLLINS AND JESSIE M. COLLINS, HIS WIFE, AS JOINT TENANTS	0.928	0.134	0.117	0.794			22-27-100-061	

SEE SHEET 7 OF 7 FOR SCHEDULE OF TIES

**Mackie Consultants, LLC**  
9675 W. Higgins Road, Suite 500  
Rosemont, IL 60018  
(847)698-1400  
www.mackieconsult.com

**PLAT OF HIGHWAYS**  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
McCarthy Road

SECTION: AT WALKER ROAD COUNTY: COOK  
PROJECT: MCCARTHY ROAD JOB NO.: R-90-012-10  
STATION: 37+87.61 TO STATION: 45+17.65  
SCALE: 1" = 40' SHEET 5 OF 7

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

**PART OF THE NORTHWEST AND SOUTHWEST QUARTER OF SECTION 27 & PART OF THE NORTHEAST & SOUTHWEST QUARTER OF SECTION 28, ALL IN TWP. 37 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.**

**LEGEND**

SECTION CORNER: 9 10 16 15  
 QUARTER CORNER: 16 15

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER, QUARTER SECTION LINE  
 PLATTED LOT LINES  
 PROPERTY (DEED) LINE  
 APPARENT PROPERTY LINE  
 EXISTING CENTERLINE  
 PROPOSED CENTERLINE  
 EXISTING RIGHT OF WAY LINE  
 PROPOSED RIGHT OF WAY LINE  
 PROPOSED EASEMENT

MEASURED DIMENSION: 129.32'  
 COMPUTED DIMENSION: 129.32' (COMP)  
 RECORDED DIMENSION: (129.32')

EXISTING BUILDING

CONC = CONCRETE  
 HMA = HOT MIX ASPHALT  
 LHT = LIGHT  
 MH = MANHOLE  
 PP = POWER POLE  
 PEDC = CABLE PEDESTAL  
 PETRO = PETROLEUM  
 TRANS = TRANSFORMER  
 VB = VALVE BOX

IRON PIPE OR ROD FOUND  
 CUT CROSS FOUND OR SET

TI, T2, T3: 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, BT2, BT3: 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.

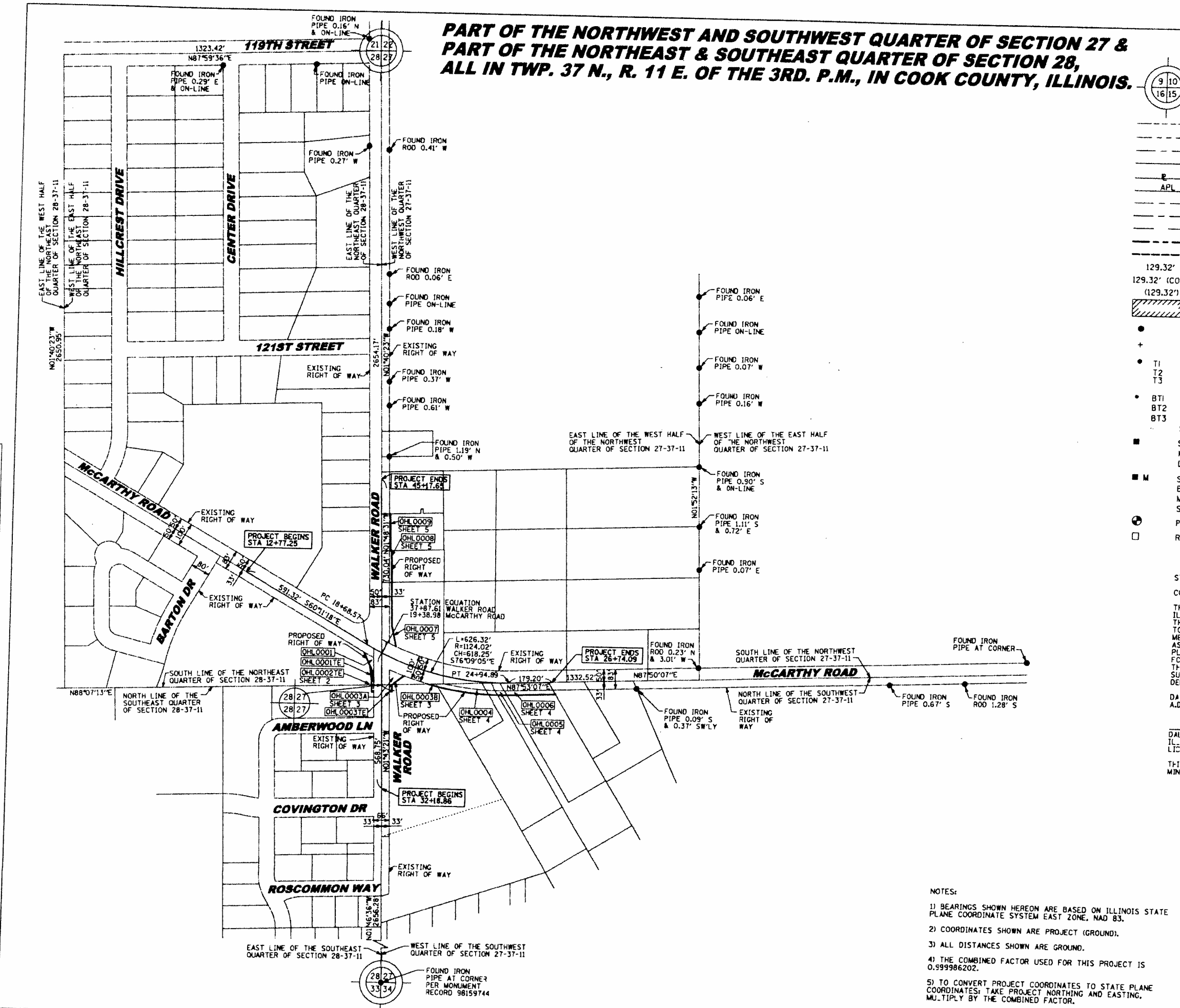
STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)

RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE: 1" = 200'

DATE	BY
DRAWN	05/04/2011 SDS
APPROVED	05/04/2011 DAG
REVISED	05/08/2012 JDC



STATE OF ILLINOIS )  
 COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27 AND 28, TOWNSHIP 37 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 RE-Traced, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT ROSEMONT, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

RECEIVED  
 DALE A. GRAY  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057  
 LICENSE EXPIRES: NOVEMBER 30, 2012  
 JUN 05 2012  
 PLATS & LEGALS

- NOTES:
- 1) BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.
  - 2) COORDINATES SHOWN ARE PROJECT (GROUND).
  - 3) ALL DISTANCES SHOWN ARE GROUND.
  - 4) THE COMBINED FACTOR USED FOR THIS PROJECT IS 0.999986202.
  - 5) TO CONVERT PROJECT COORDINATES TO STATE PLANE COORDINATES: TAKE PROJECT NORTING AND EASTING, MULTIPLY BY THE COMBINED FACTOR.

**Mackie Consultants, LLC**  
 9575 W. Higgins Road, Suite 500  
 Rosemont, IL 60018  
 (847)896-1400  
 www.mackieconsult.com

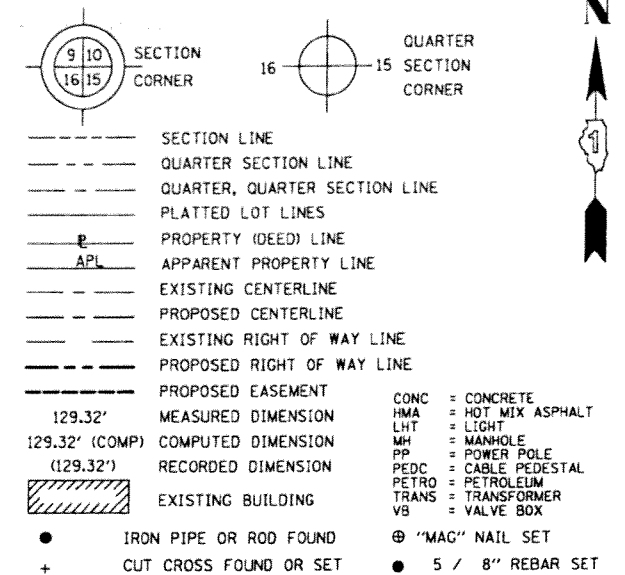
**PLAT OF HIGHWAYS**  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 MccARTHY ROAD

SECTION: AT WALKER ROAD COUNTY: COOK  
 PROJECT: MccARTHY ROAD JOB NO.: R-90-012-10  
 STATION: N/A TO STATION: N/A  
 SCALE: 1"= 200' SHEET 6 OF 7

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

**PART OF THE NORTHWEST AND SOUTHWEST QUARTER OF SECTION 27 & PART OF THE NORTHEAST & SOUTHWEST QUARTER OF SECTION 28, ALL IN TWP. 37 N., R. 11 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.**

**LEGEND**



**SCHEDULE OF TIES**

POINT	TIE TO POINT	TIE DISTANCE (FEET)
1	T1	39.01
	T2	56.91
	T3	77.02
2	T1	49.31
	T2	45.15
	T3	46.99
3	T3	54.77
	T4	30.72
	T5	29.20
16	T6	79.34
	T7	42.01
	T8	35.91
18	T6	17.45
	T7	34.94
	T8	86.29
21	T8	75.50
	T9	29.64
	T10	30.12
28	T14	40.31
	T15	26.00
	T16	27.92

**SCHEDULE OF TIES**

POINT	TIE TO POINT	TIE DISTANCE (FEET)
30	T11	38.14
	T12	31.74
	T13	47.85
35	T17	95.94
	T18	54.87
	T19	18.85
36	T17	14.26
	T18	40.29
	T19	79.58
38	T20	30.80
	T21	28.65
	T22	31.74
40	T23	51.45
	T24	22.38
	T25	19.08
41	T20	35.14
	T21	33.01
	T22	34.17

DATE	BY
05/04/2011	SDS
05/04/2011	DAG
07/02/2012	DAG
	DRAWN
	APPROVED
	REVISED

- TI 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.
- BTI 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. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS )  
COUNTY OF COOK )

THIS IS TO CERTIFY THAT WE, MACKIE CONSULTANTS, LLC, AN ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-002694, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 27 AND 28, TOWNSHIP 37 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK 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 ROSEMONT, ILLINOIS THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_ A.D.

RECEIVED

DALE A. GRAY  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003057  
LICENSE EXPIRES: NOVEMBER 30, 2012

JUL 09 2012

PLATS & LEGALS

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

**Mackie Consultants, LLC**  
9575 W. Higgins Road, Suite 500  
Rosemont, IL 60018  
(847)696-1400  
www.mackieconsult.com

**PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
McCARTHY ROAD**

SECTION: AT WALKER ROAD COUNTY: COOK  
PROJECT: McCARTHY ROAD JOB NO.: R-90-012-10  
STATION: N/A TO STATION: N/A  
SCALE: 1"= N/A SHEET 7 OF 7

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

**NOTES:**

- 1) BEARINGS SHOWN HEREON ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE, NAD 83.
- 2) COORDINATES SHOWN ARE PROJECT (GROUND).
- 3) ALL DISTANCES SHOWN ARE GROUND.
- 4) THE COMBINED FACTOR USED FOR THIS PROJECT IS 0.999986202.
- 5) TO CONVERT PROJECT COORDINATES TO STATE PLANE COORDINATES: TAKE PROJECT NORTHING AND EASTING, MULTIPLY BY THE COMBINED FACTOR.

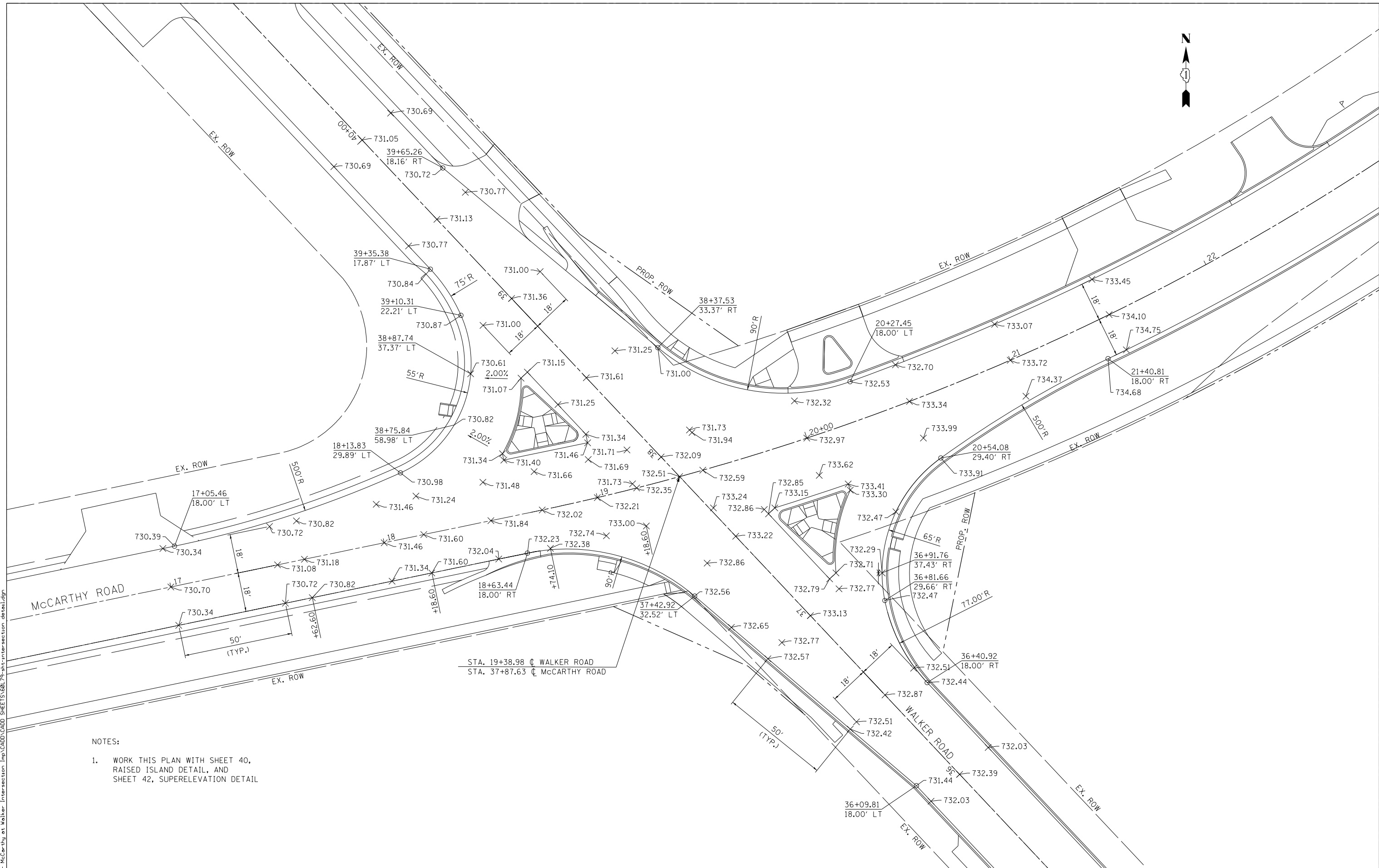
REVISION DATE:

REVISION

MADE BY







- NOTES:
1. WORK THIS PLAN WITH SHEET 40, RAISED ISLAND DETAIL, AND SHEET 42, SUPERELEVATION DETAIL

FILE NAME =  
 USER NAME = rge11  
 PLOT SCALE = 48.0000' / in.  
 PLOT DATE = 10/19/2012

DESIGNED - RG  
 DRAWN - RG  
 CHECKED - MGR  
 DATE - MARCH, 2012

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

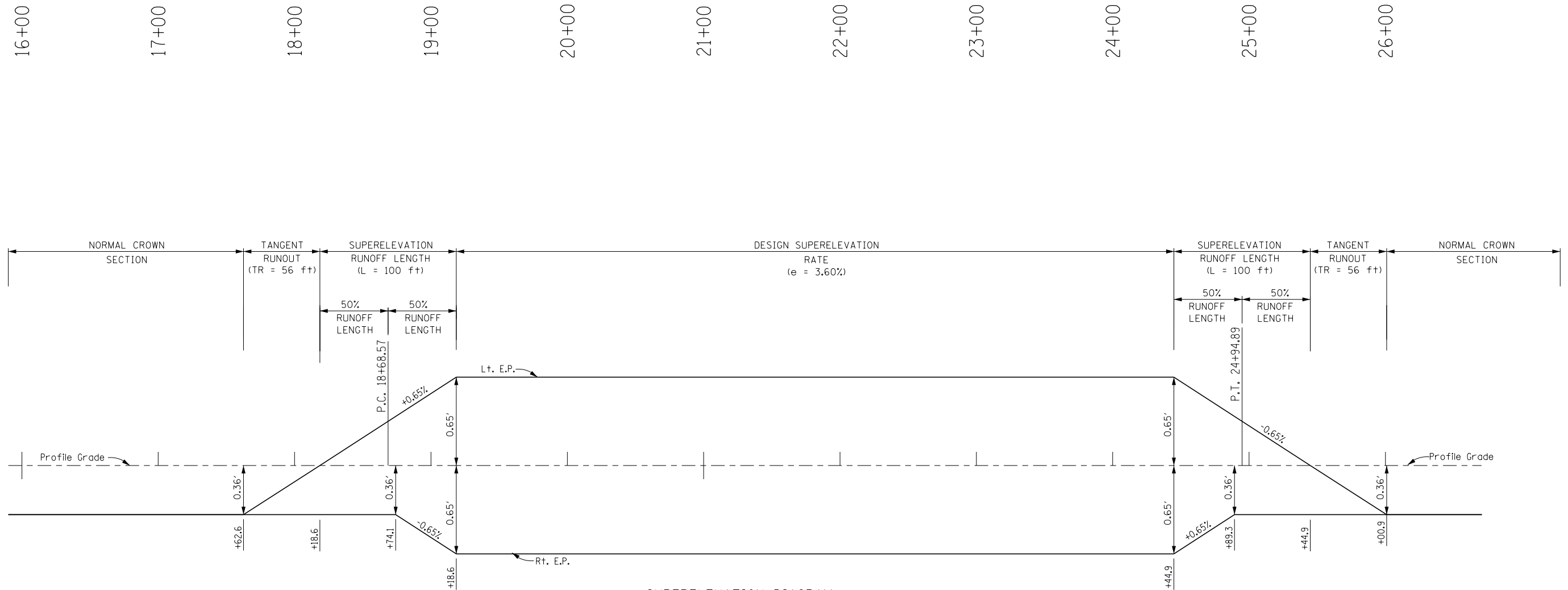
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**MCCARTHY ROAD AT WALKER ROAD  
 INTERSECTION DETAIL**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	54
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				

I:\6710\671018 - McCarthy at Walker Intersection Imp\CADD\CADD SHEETS\60L79-hh-intersection detail.dgn



**SUPERELEVATION DIAGRAM**  
 P.I. STA. 21+90.10 McCARTHY ROAD  
 DESIGN SPEED = 45 mph  
 R = 1124.02'  
 SE = 3.60%

I:\6710\671018 - McCarthy at Walker Intersection\_imp\CADD\CADD SHEETS\60L79-ht-super.dgn

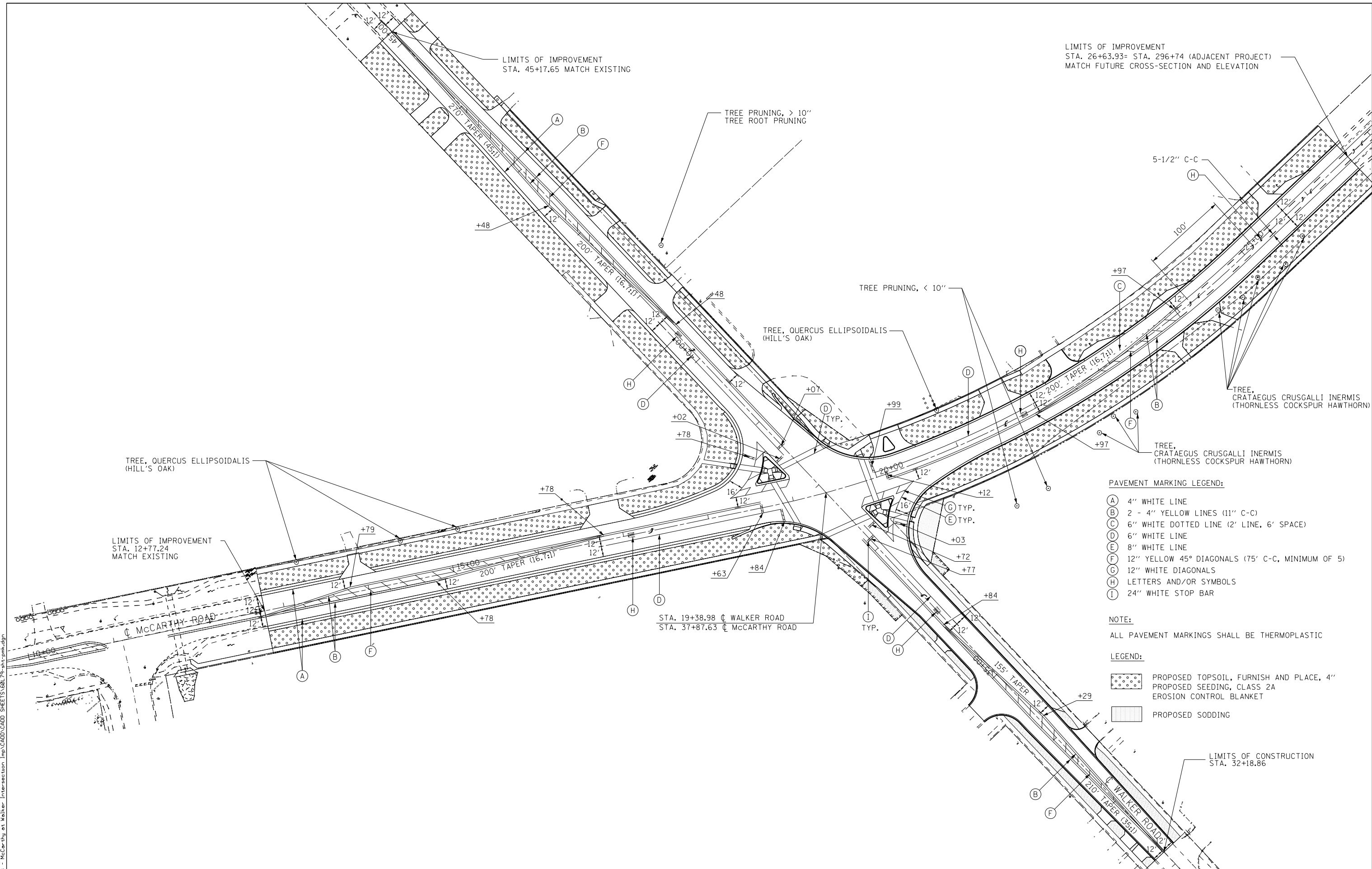
FILE NAME =	USER NAME = rge11	DESIGNED - RG	REVISED -
		DRAWN - RG	REVISED -
	PLOT SCALE = 8.0000' / in.	CHECKED - MGR	REVISED -
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISED -

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

<b>McCARTHY ROAD</b>			
<b>SUPERELEVATION DETAIL</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	55
CONTRACT NO. 60L79				
ILLINOIS FED. AID PROJECT				

I:\6710\671018 - McCarthy at Walker Intersection Imp\CADD\CADD SHEETS\60L79-htr-omb.dgn



LIMITS OF IMPROVEMENT  
 STA. 26+63.93- STA. 296+74 (ADJACENT PROJECT)  
 MATCH FUTURE CROSS-SECTION AND ELEVATION

LIMITS OF IMPROVEMENT  
 STA. 45+17.65 MATCH EXISTING

LIMITS OF IMPROVEMENT  
 STA. 12+77.24  
 MATCH EXISTING

- PAVEMENT MARKING LEGEND:**
- (A) 4" WHITE LINE
  - (B) 2 - 4" YELLOW LINES (11" C-C)
  - (C) 6" WHITE DOTTED LINE (2' LINE, 6' SPACE)
  - (D) 6" WHITE LINE
  - (E) 8" WHITE LINE
  - (F) 12" YELLOW 45° DIAGONALS (75' C-C, MINIMUM OF 5)
  - (G) 12" WHITE DIAGONALS
  - (H) LETTERS AND/OR SYMBOLS
  - (I) 24" WHITE STOP BAR

**NOTE:**  
 ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC

- LEGEND:**
- PROPOSED TOPSOIL, FURNISH AND PLACE, 4"  
 PROPOSED SEEDING, CLASS 2A  
 EROSION CONTROL BLANKET
  - PROPOSED SODDING

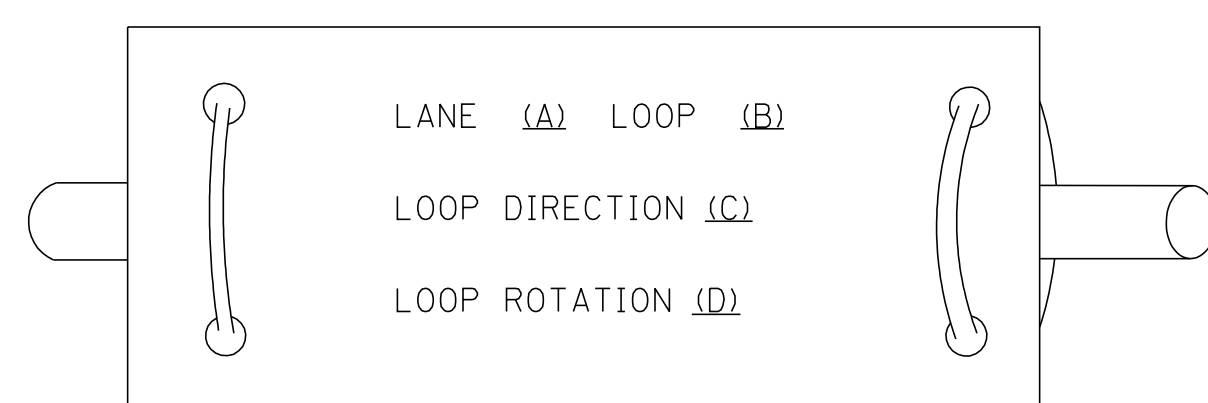
LIMITS OF CONSTRUCTION  
 STA. 32+18.86

FILE NAME =	USER NAME = r9e11	DESIGNED - RG	REVISED -	<b>STATE OF ILLINOIS          DEPARTMENT OF TRANSPORTATION</b>	<b>McCARTHY ROAD AT WALKER ROAD          PAVEMENT MARKING AND LANDSCAPING PLAN</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" =	CHECKED - MGR	REVISIED -		1587	3098-R	COOK	95	56			
	PLOT DATE = 10/19/2012	DATE - MARCH, 2012	REVISIED -		SCALE:      SHEET NO.    OF    SHEETS    STA.                    TO STA.			CONTRACT NO. 60L79				
											ILLINOIS FED. AID PROJECT	

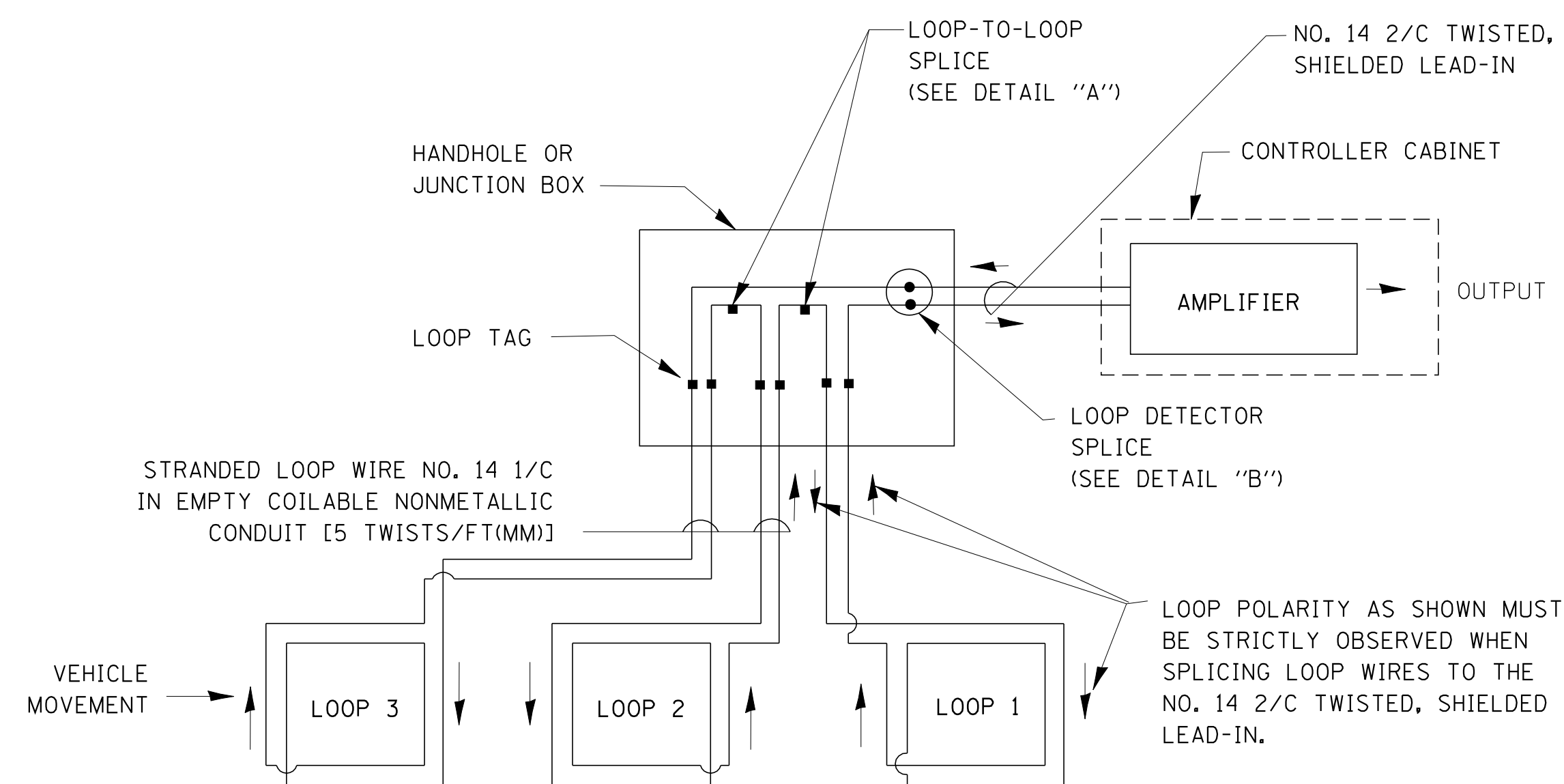
## LOOP DETECTOR NOTES

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

### LOOP LEAD-IN CABLE TAG

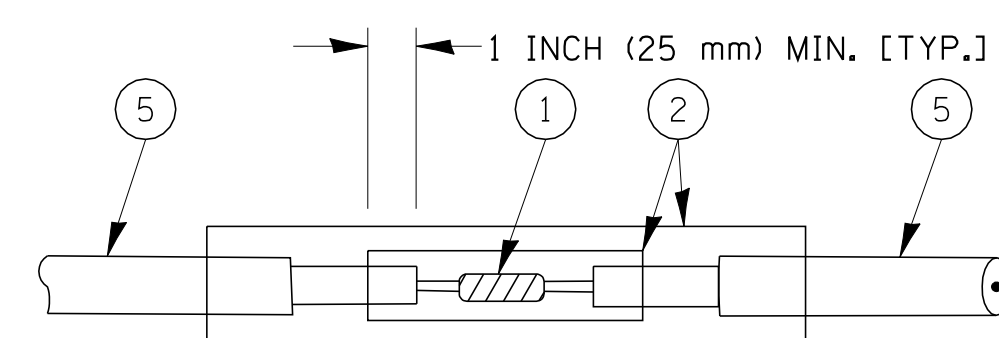


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

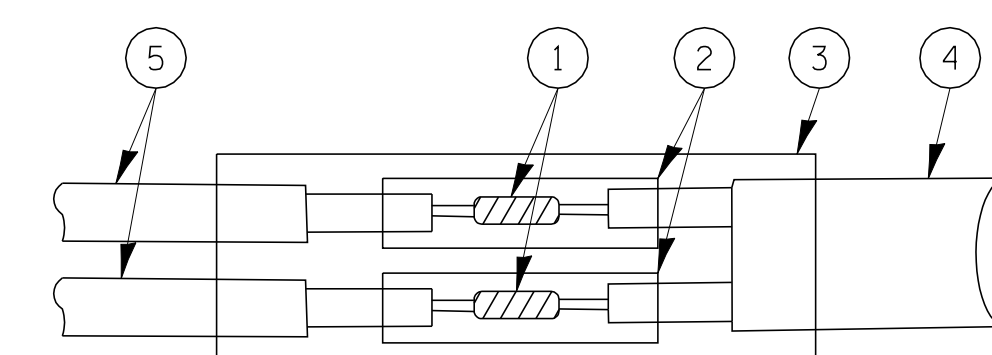


DETECTOR LOOP WIRING SCHEMATIC

- 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.

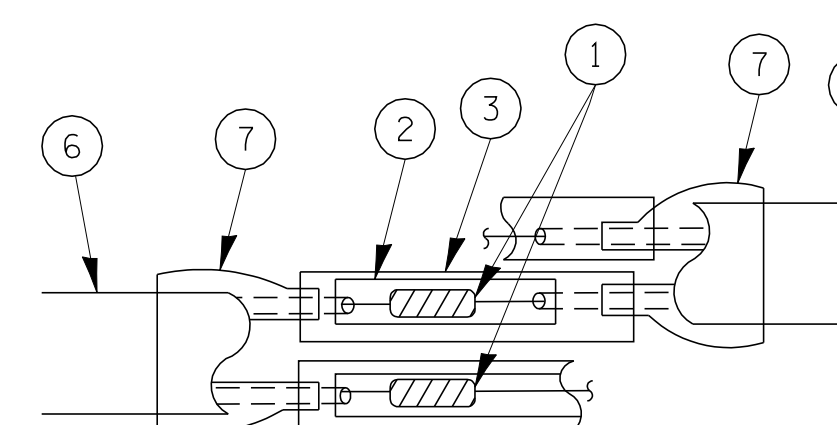


DETAIL "A"  
LOOP-TO-LOOP SPLICE

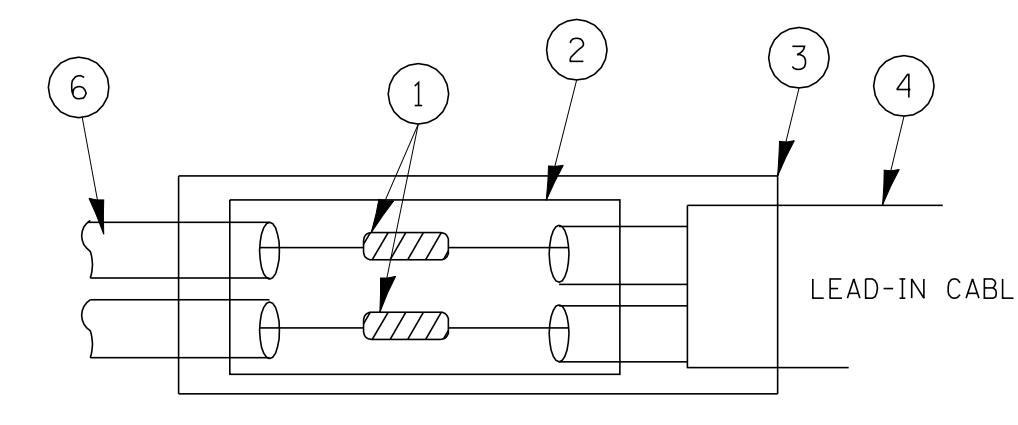


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

### TYPE I LOOP



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

### LOOP DETECTOR SPLICE

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

FILE NAME =	USER NAME = kanthapixaybc	DESIGNED - DAD	REVISED -
et:\pwork\pwork\DOT\KANTHAPHIXAYBC\d011264\tr\of\ic.legend.v7.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10/28/09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

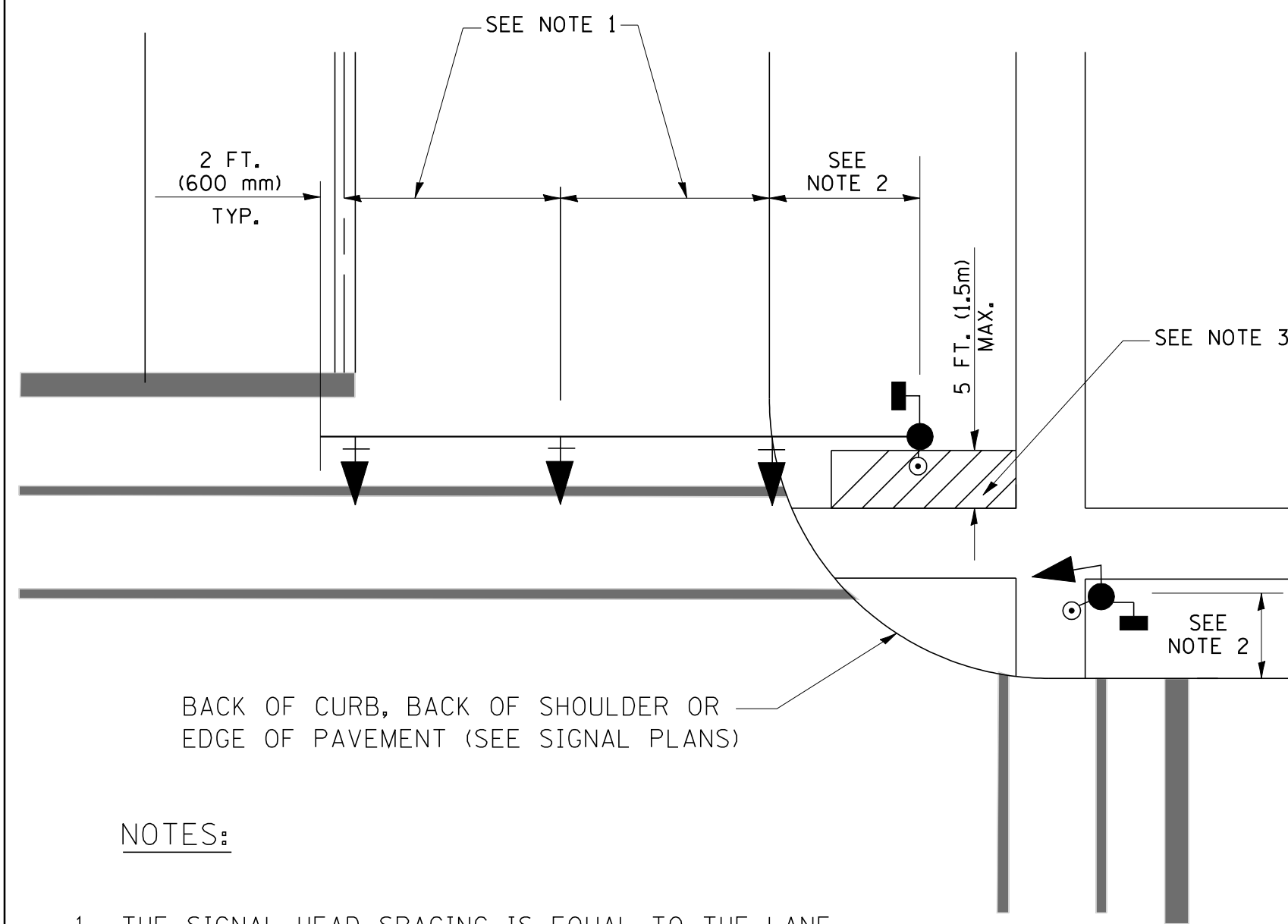
DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: SHEET NO. 1 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	57
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60L79	

**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

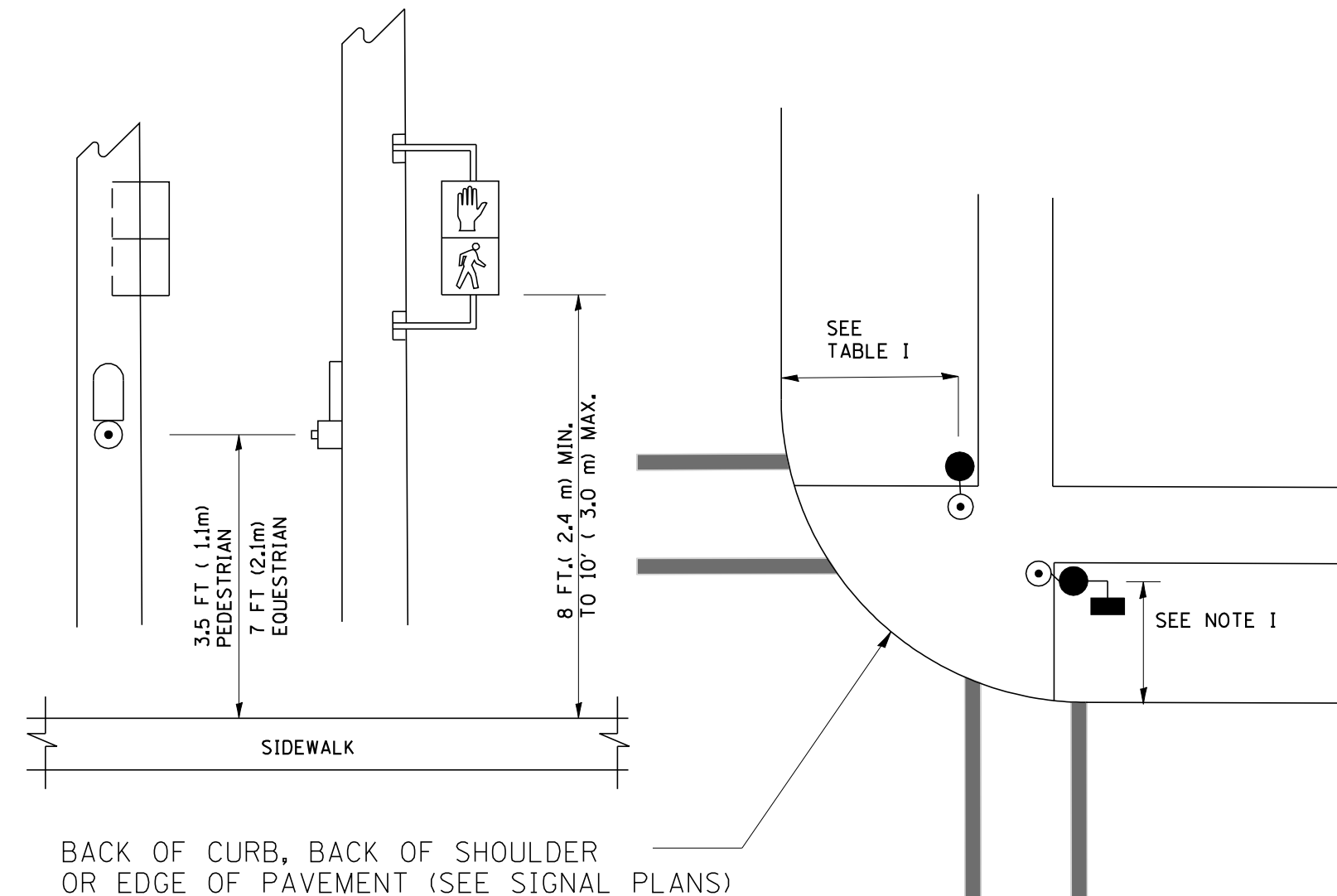
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

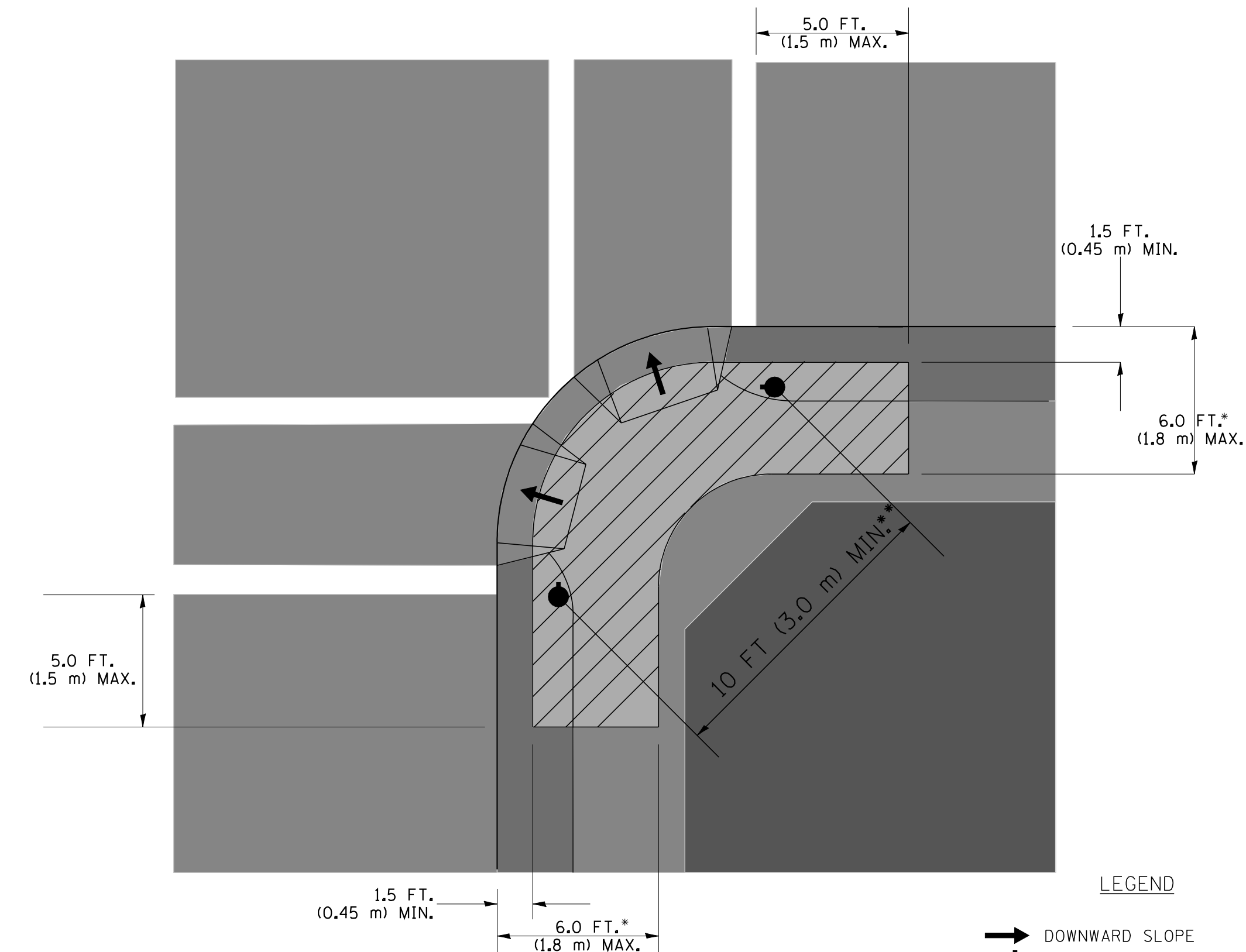
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



**LEGEND**

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

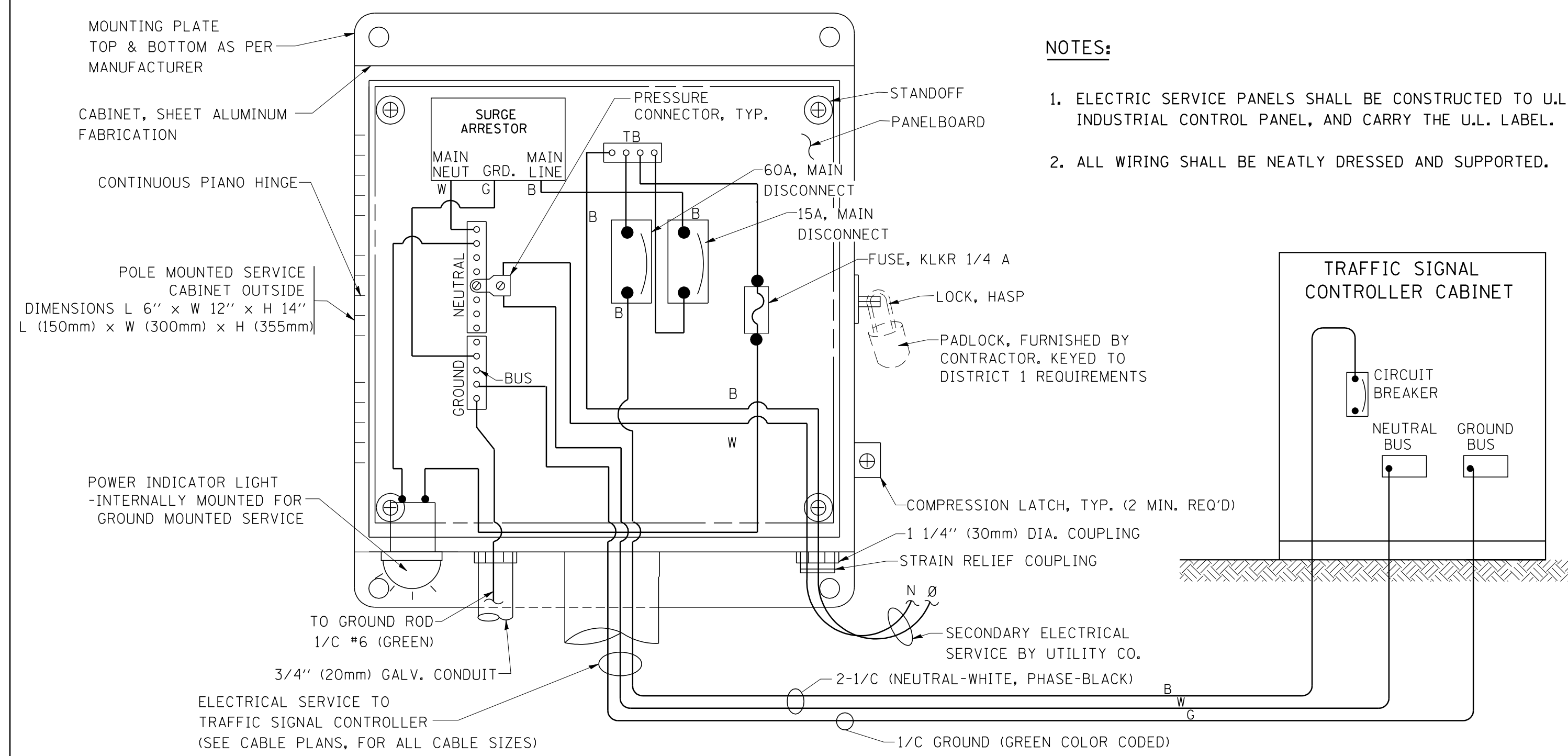
**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

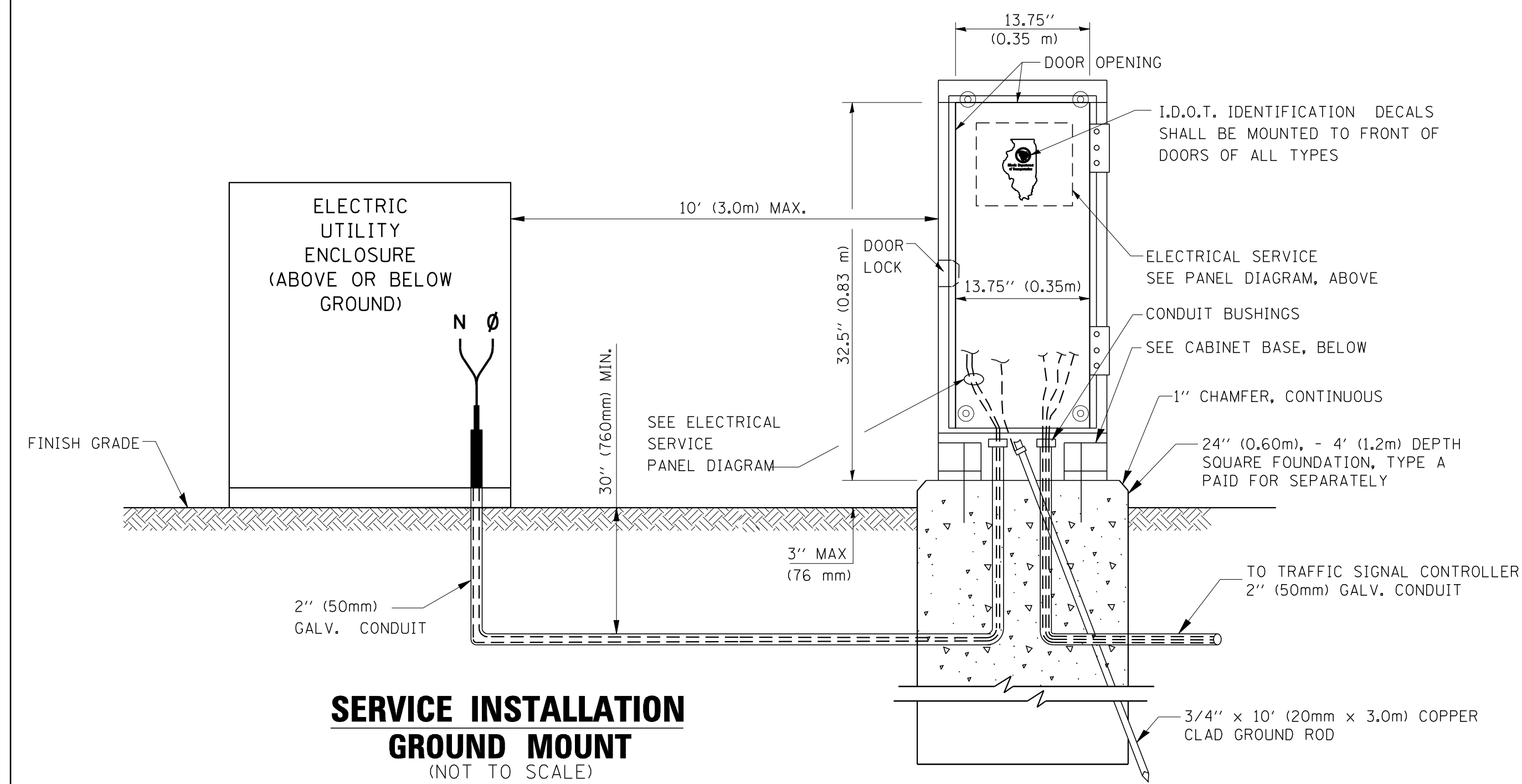
**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

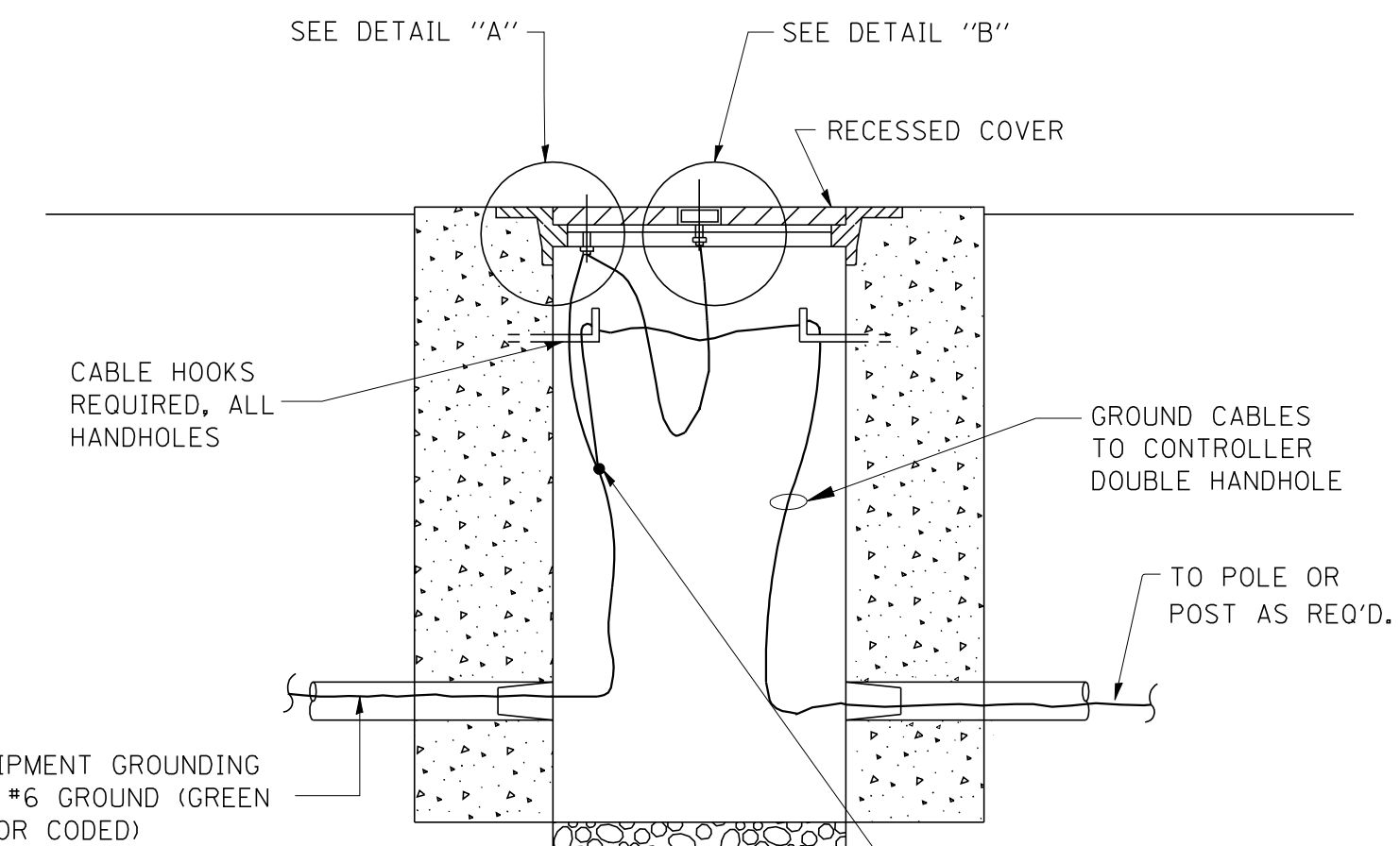
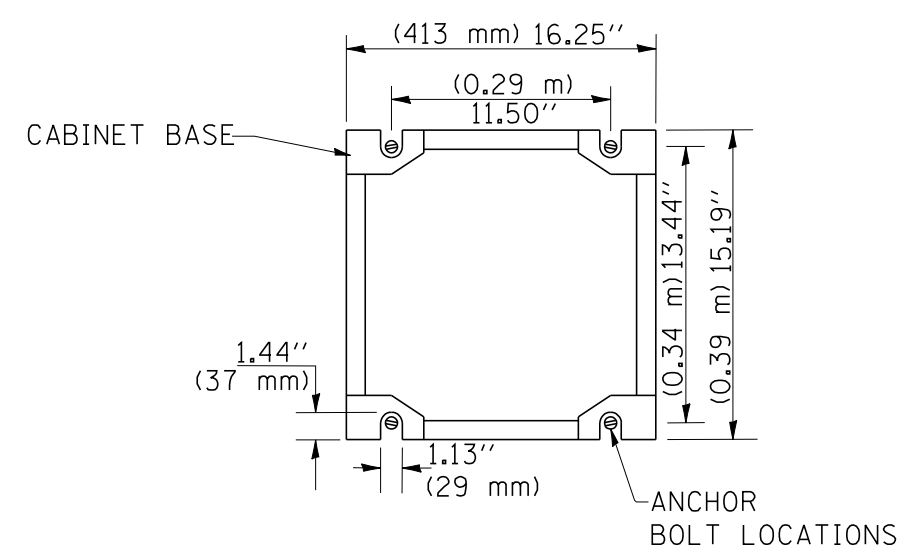




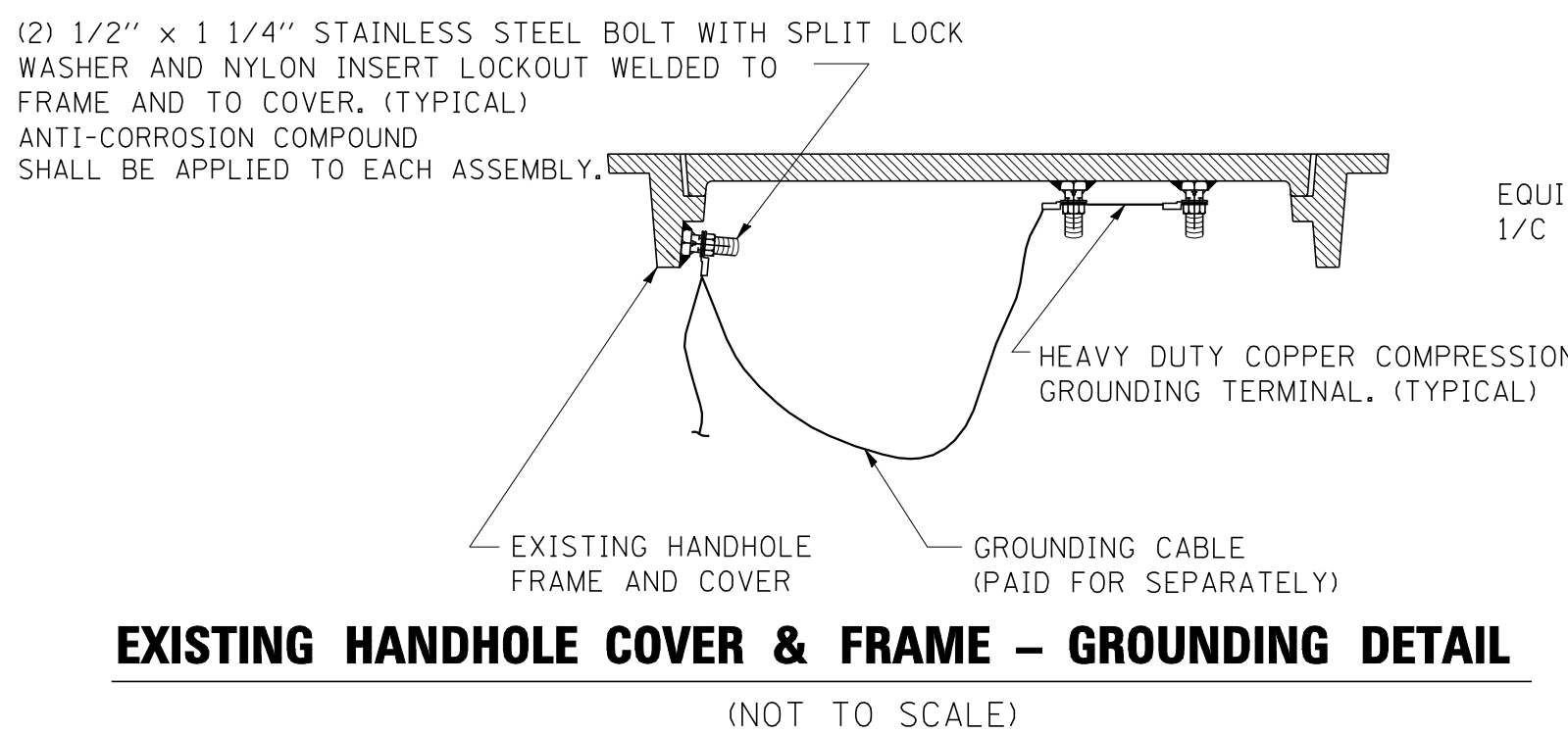
**ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)**  
**SERVICE INSTALLATION POLE MOUNT (SHOWN)**  
 (NOT TO SCALE)



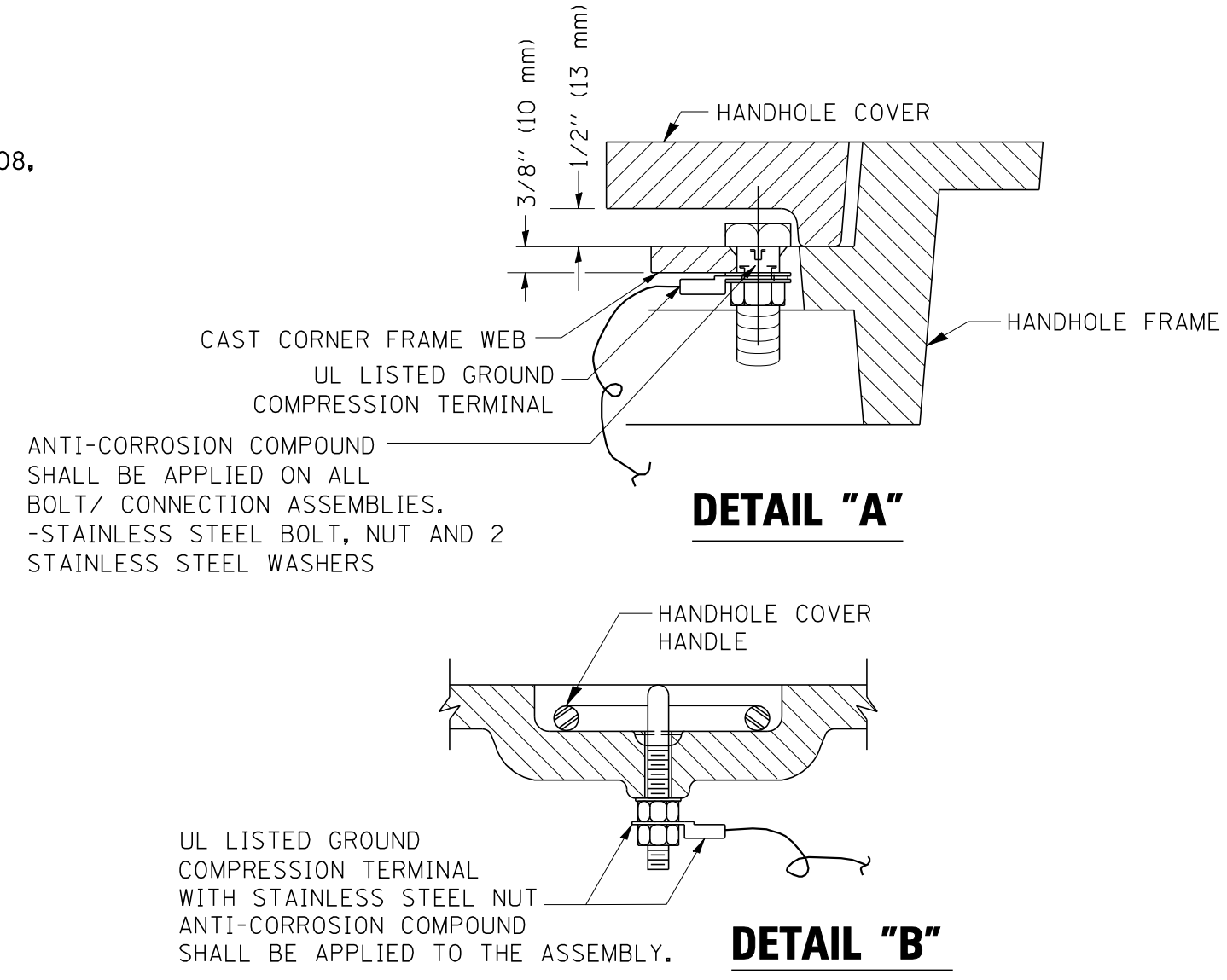
**CABINET – BASE BOLT PATTERN**  
 (NOT TO SCALE)



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



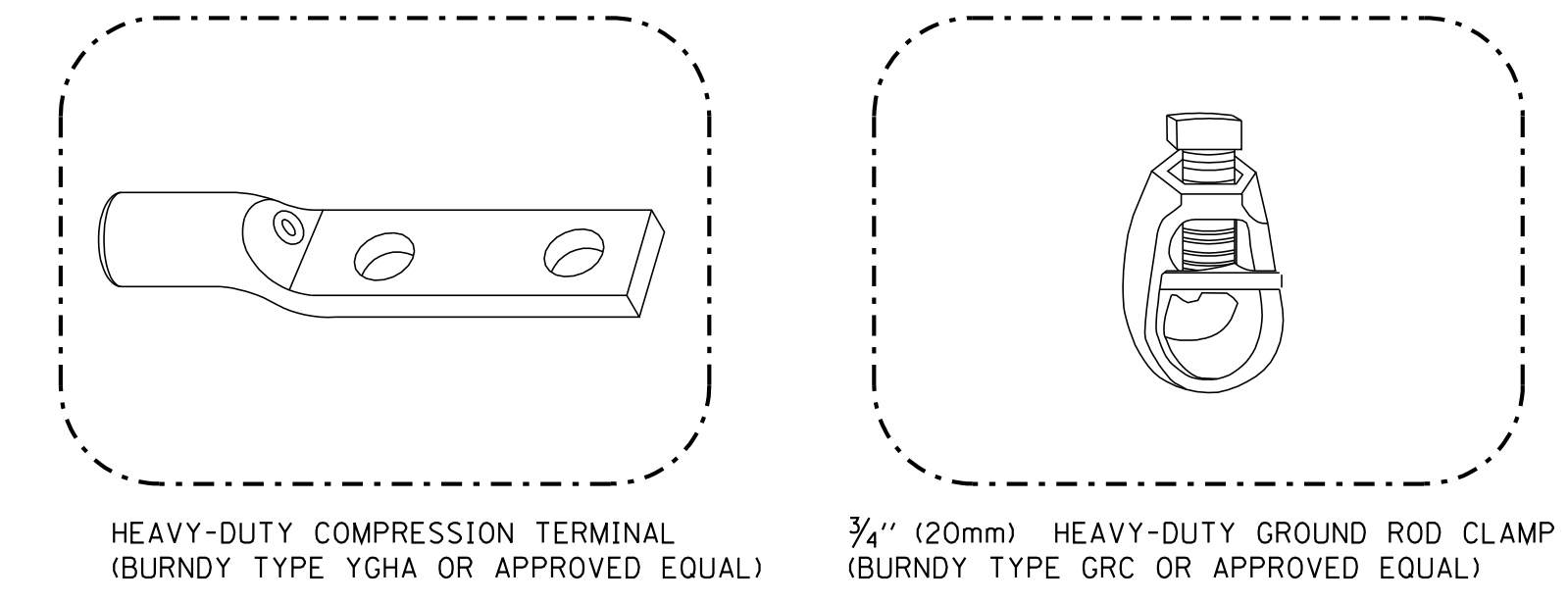
**EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL**  
 (NOT TO SCALE)



**NOTES:**

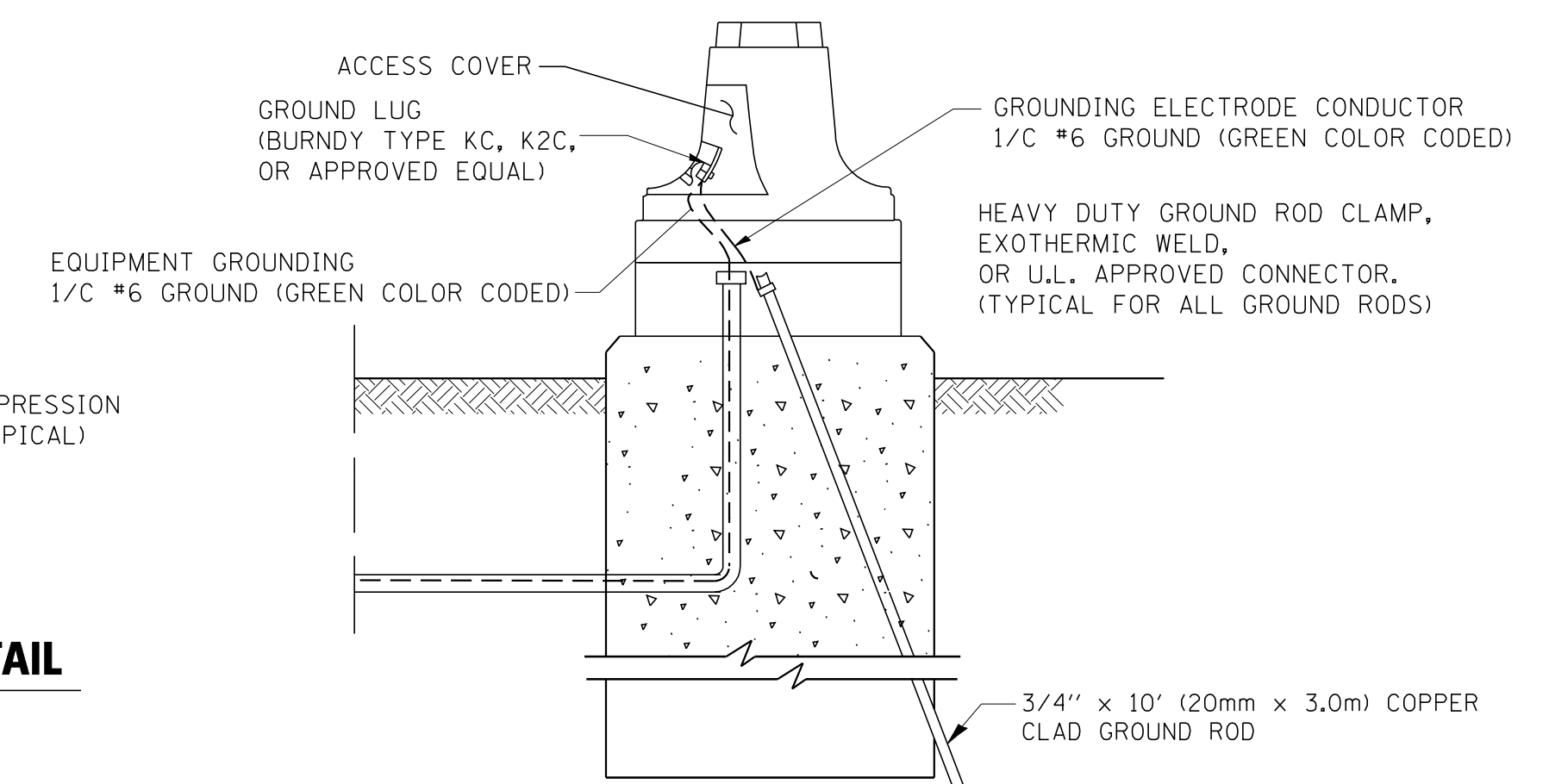
**GROUNDING SYSTEM**

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



**NOTES:**

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



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

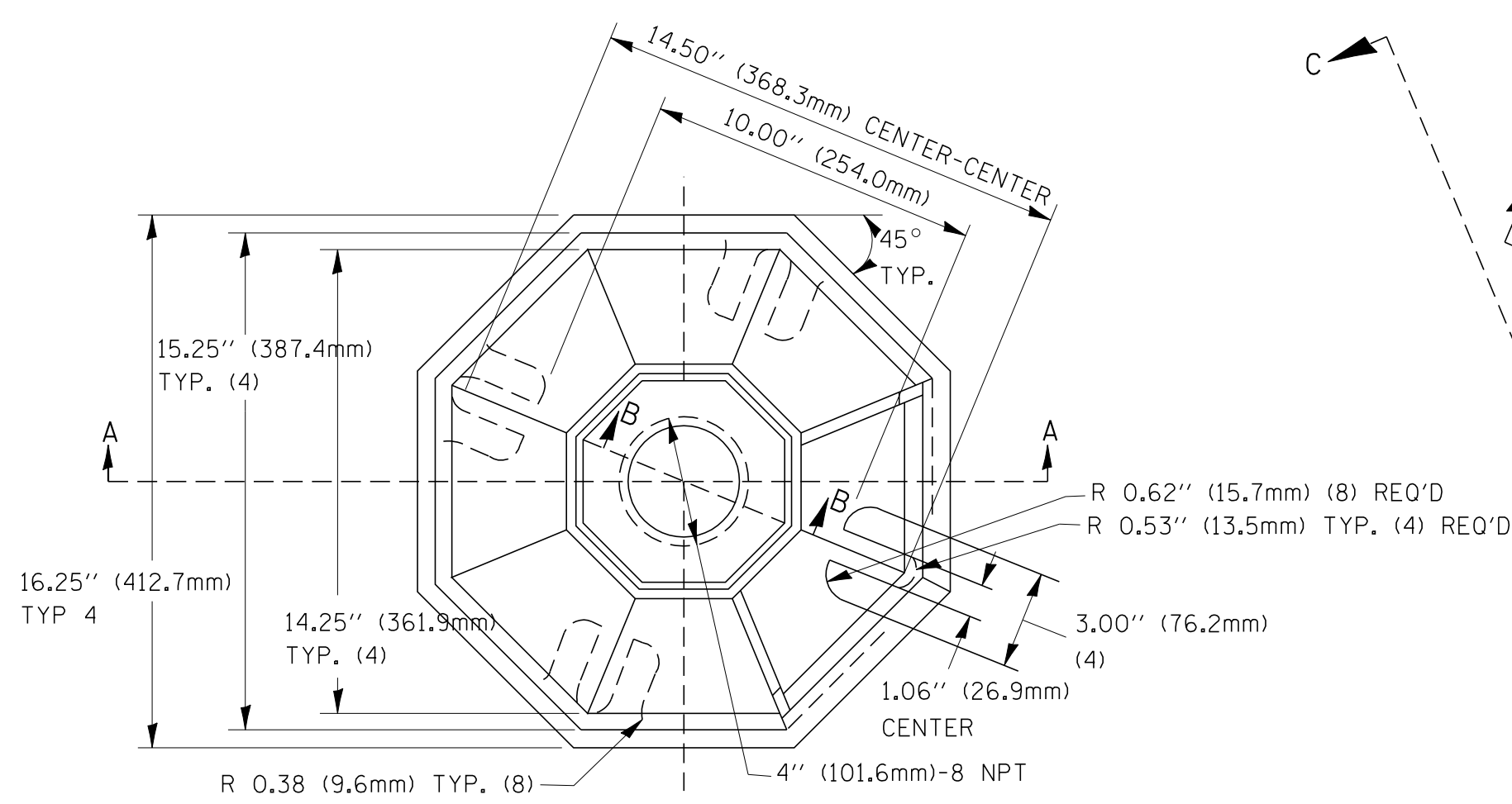
FILE NAME =	USER NAME = kanthapixaybc	DESIGNED - DAD	REVISED -
et:\pwork\pwork\DOT\KANTHAPIXAYBC\d011264\tr of fic.legend.v7.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10/28/09	REVISED -

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

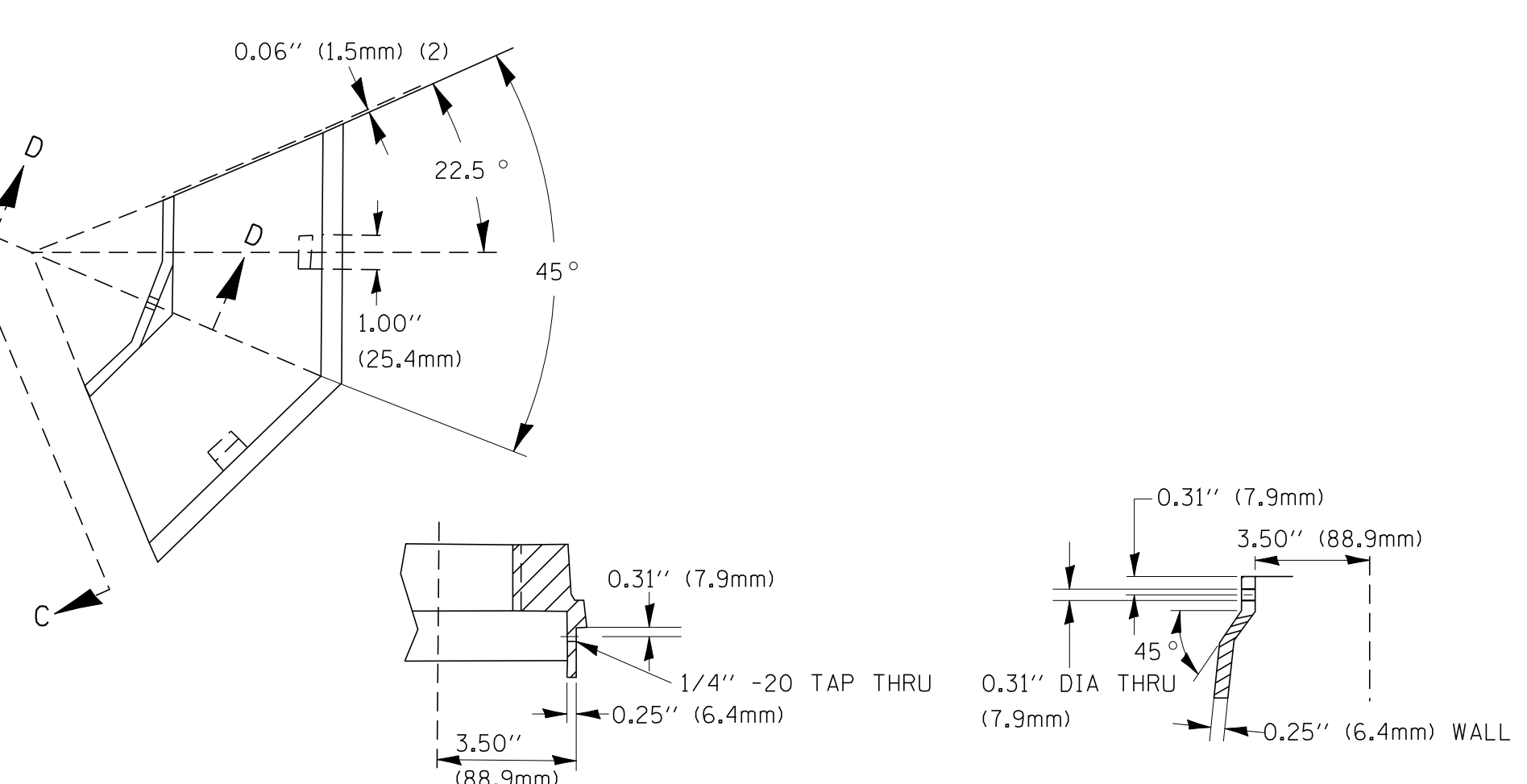
DISTRICT 1  
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	59
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60L79

SCALE: SHEET NO. 3 OF 6 SHEETS STA. TO STA.

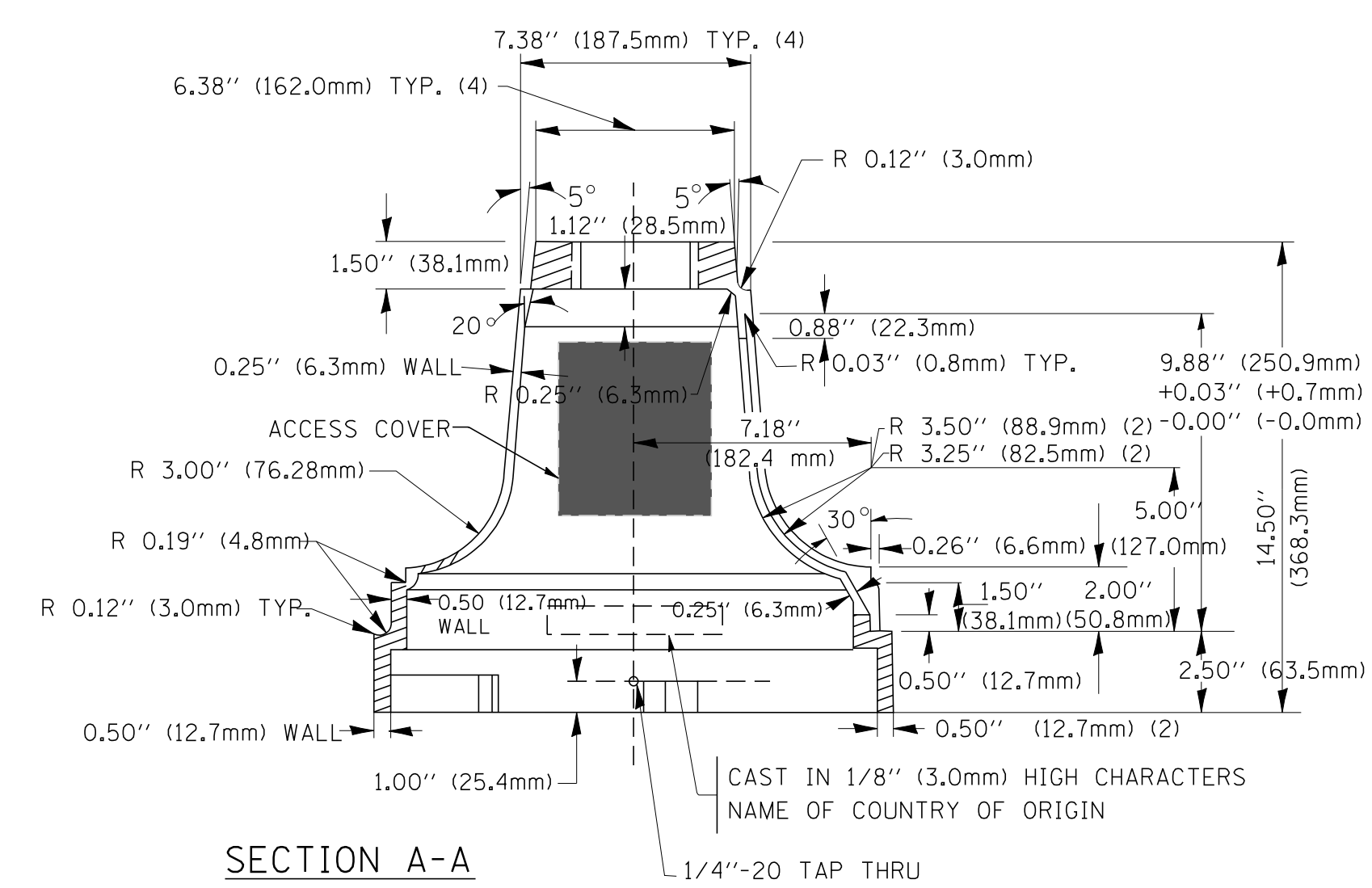


TOP VIEW

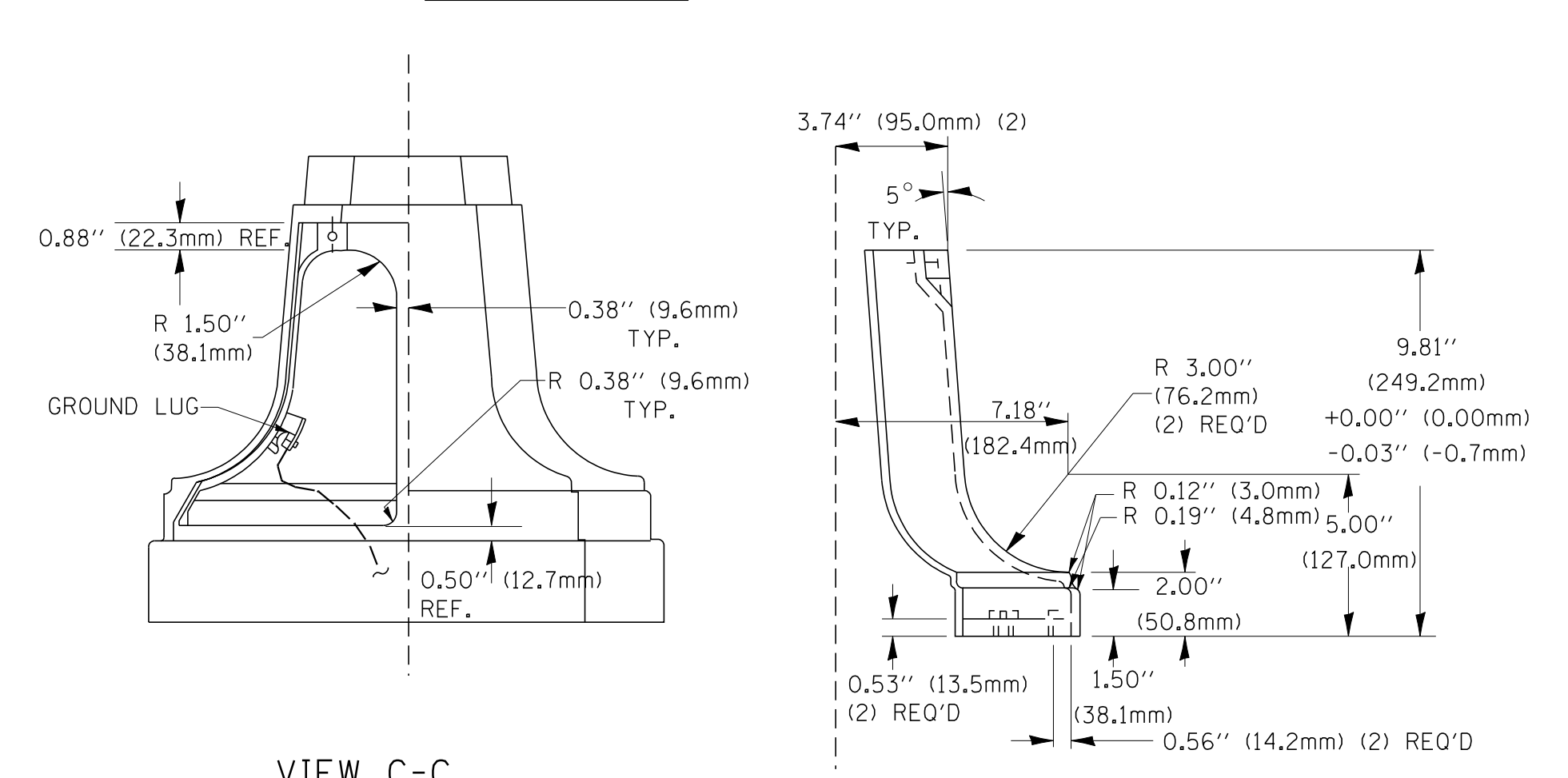


SECTION B-B

SECTION D-D

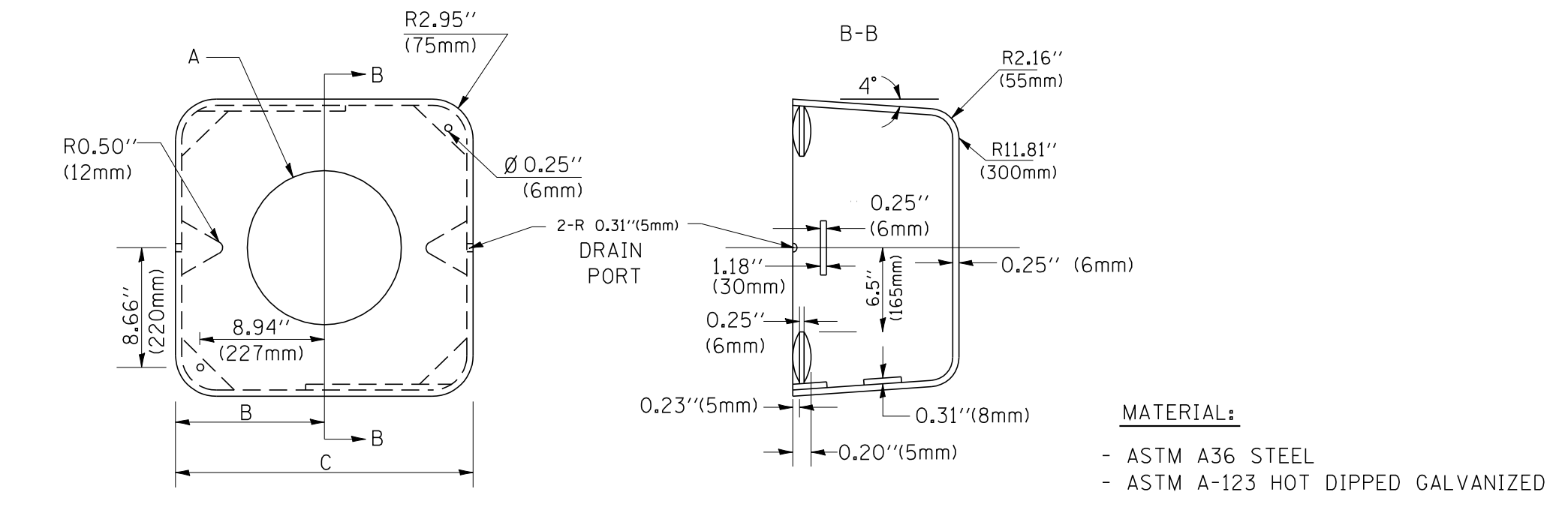


SECTION A-A



VIEW C-C

TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A

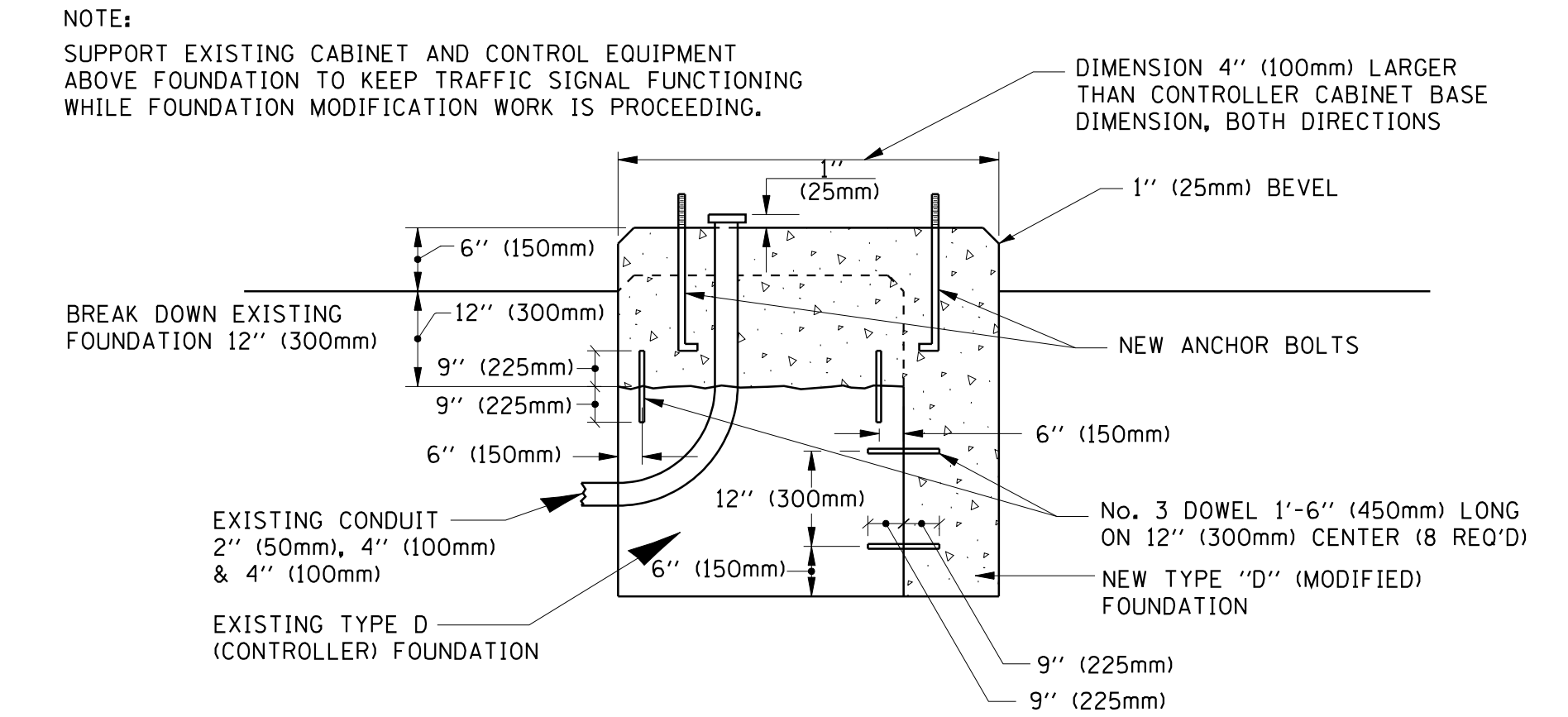


SHROUD

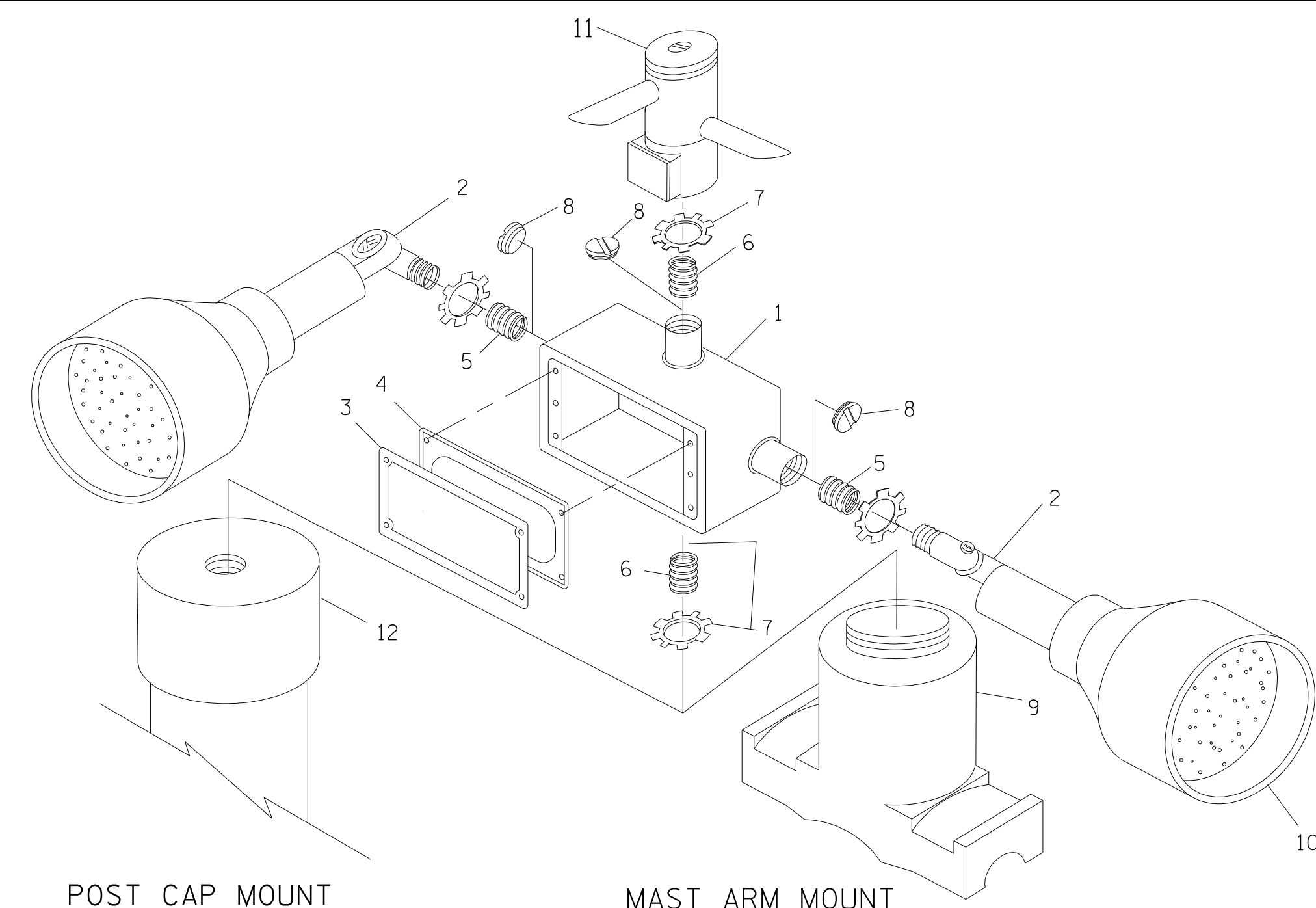
A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5\"(241mm)	19\"(483mm)	7\"(178mm) - 12\"(300mm)	53 lbs (24kg)
VARIABLES	10.75\"(273mm)	21.5\"(546mm)	7\"(178mm) - 12\"(300mm)	68 lbs (31 kg)
VARIABLES	13.0\"(330mm)	26\"(660mm)	7\"(178mm) - 12\"(300mm)	81 lbs (37 kg)
VARIABLES	18.5\"(470mm)	37\"(940mm)	7\"(178mm) - 12\"(300mm)	126 lbs (57 kg)

NOTES:

- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.



MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

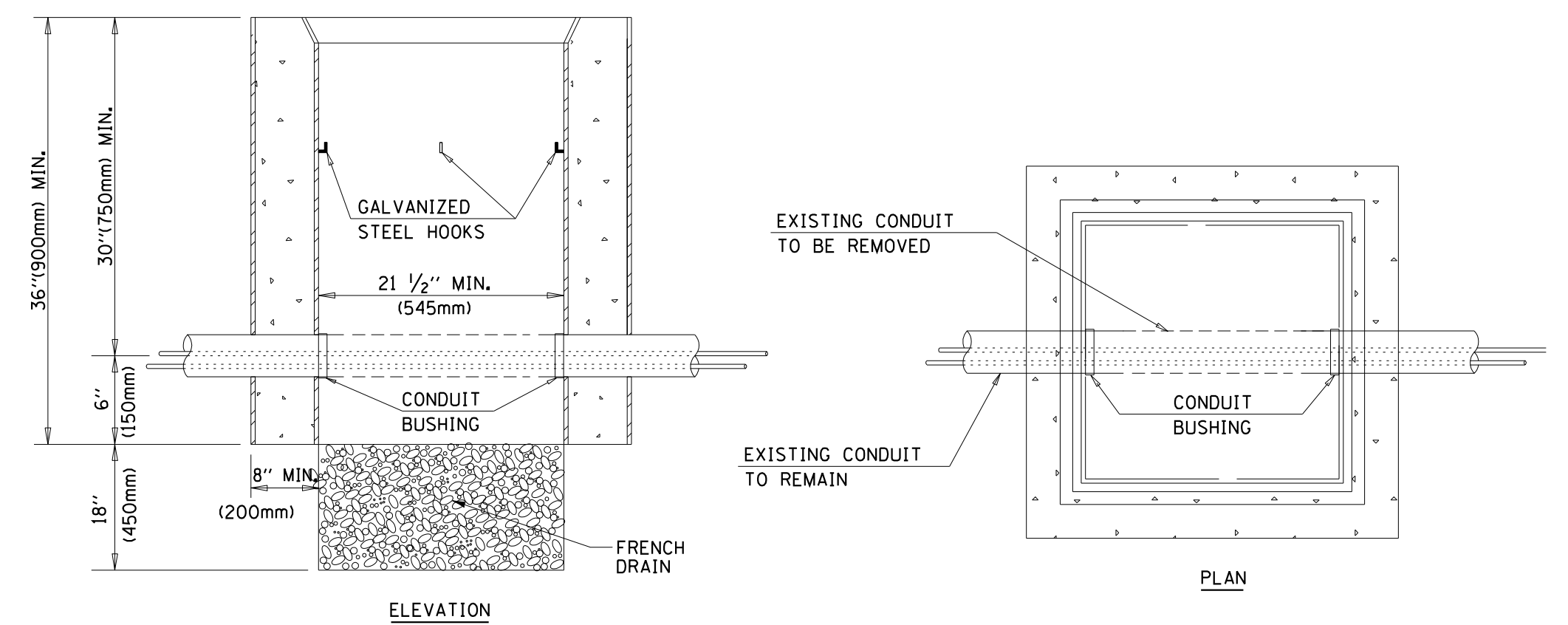
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-0-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4\"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
- REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME =	USER NAME = kanthapixaybc	DESIGNED - DAG	REVISED -
es:\pwork\pwwid\KANTHAPIXAYBC\d011264\tr\ofic.legend.v7.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10/28/09	REVISED -

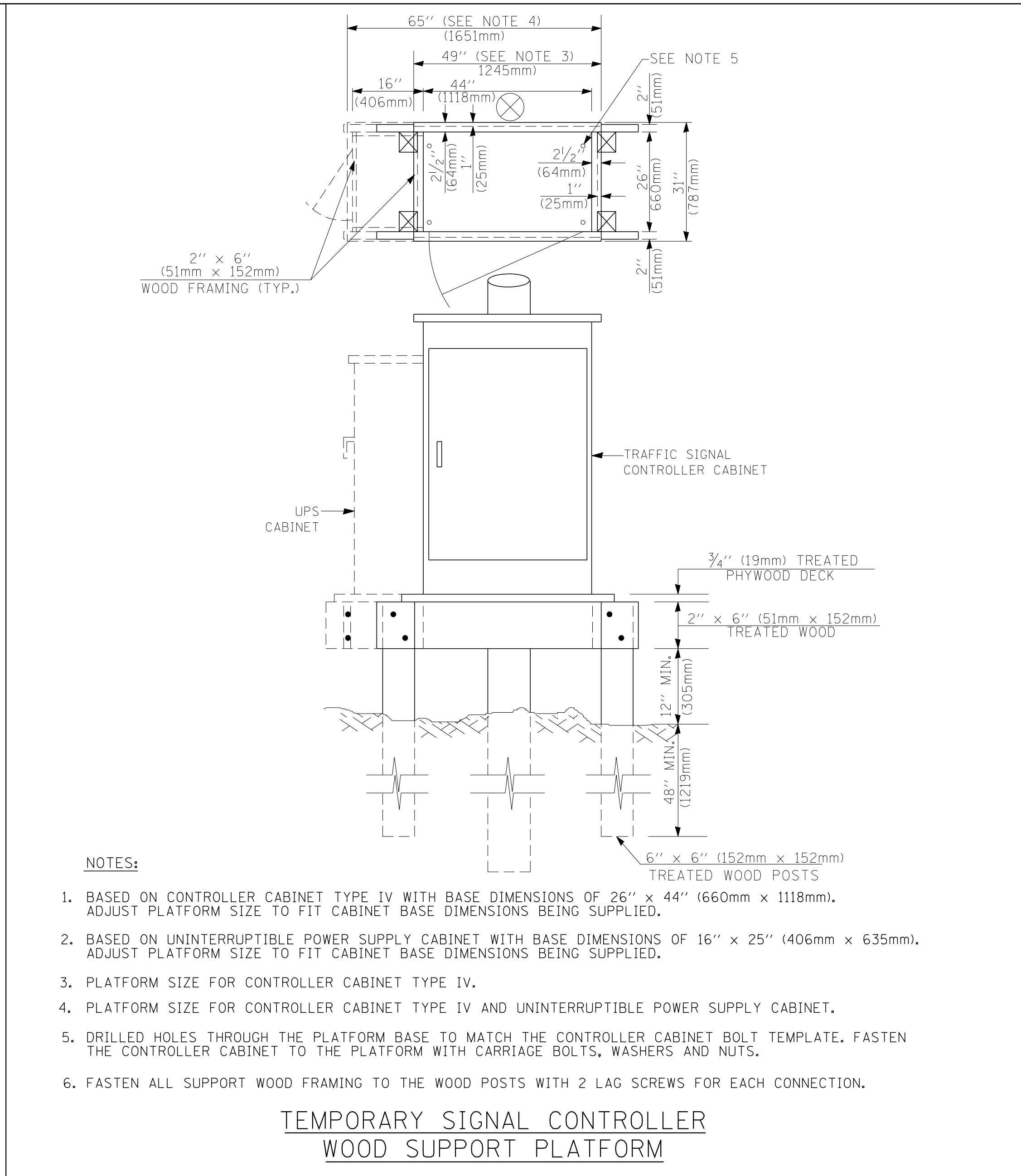
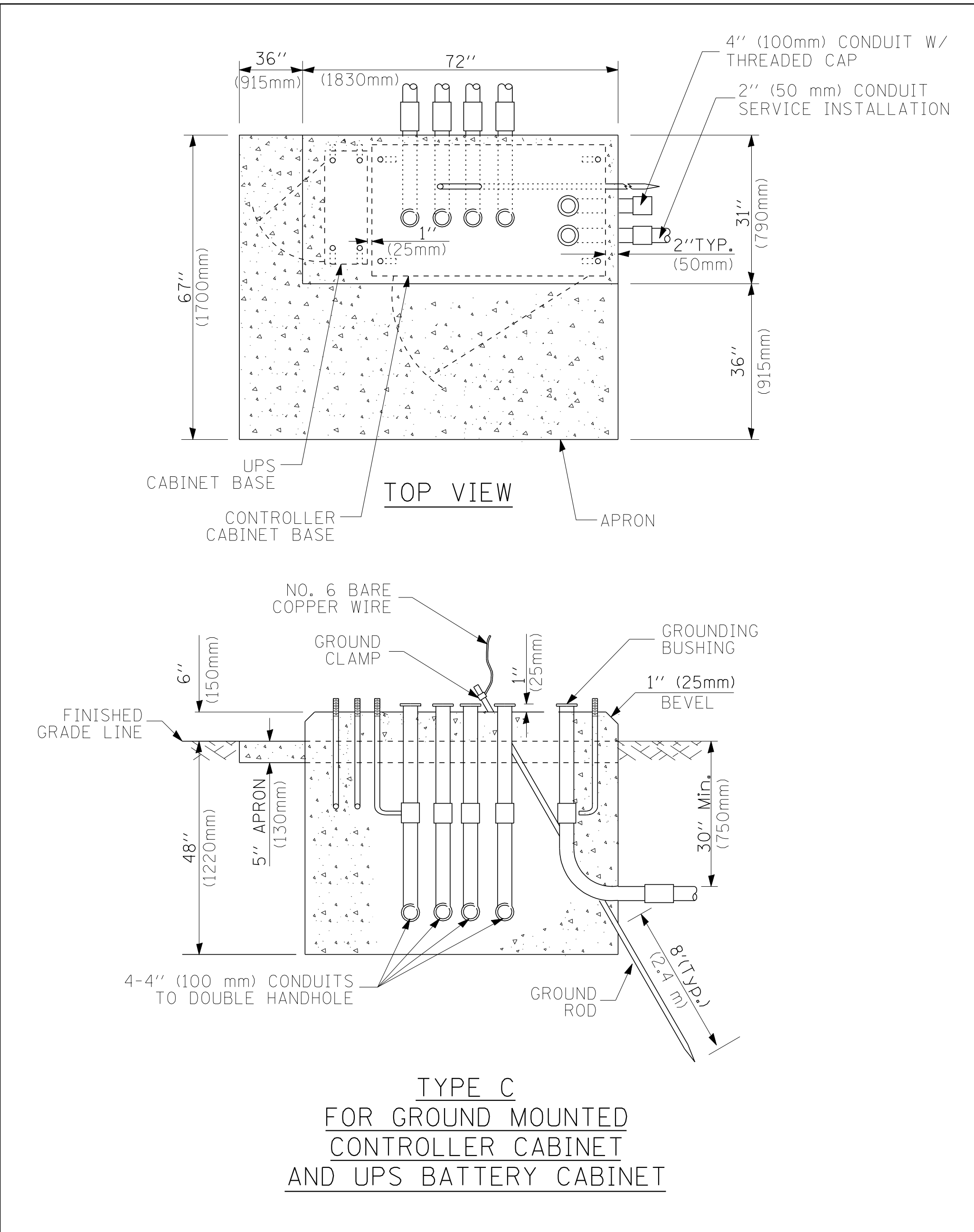
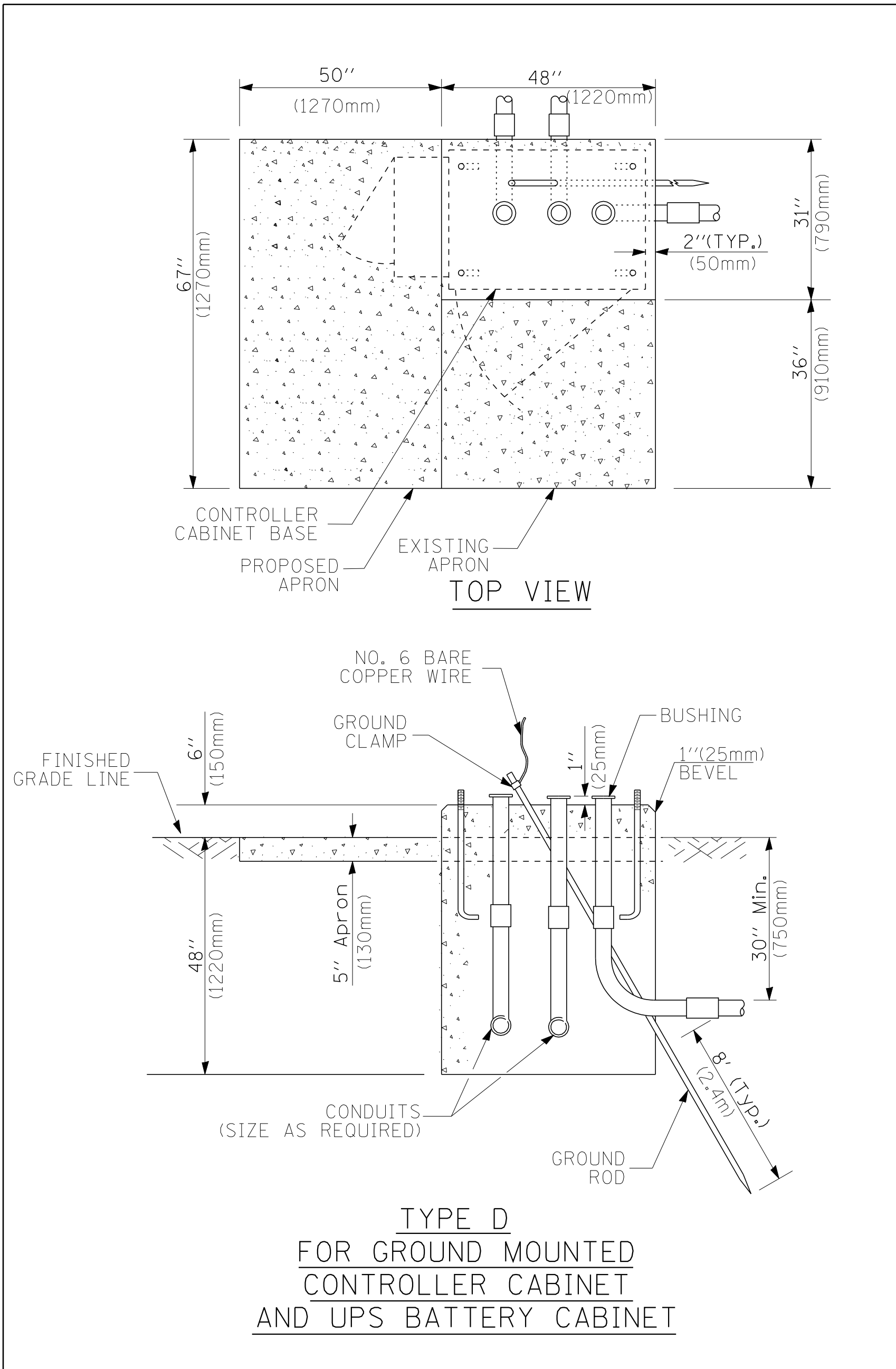
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT 1  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	60
CONTRACT NO. 60L79				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 4 OF 6 SHEETS STA. TO STA.





- NOTES:**
1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
  2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
  3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
  4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
  5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
  6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
  2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
  3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
  4. For mast arm assemblies with dual arms refer to state standard 878001.

**CABLE SLACK**

**VERTICAL CABLE LENGTH**

**DEPTH OF FOUNDATION**

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**

FILE NAME =	USER NAME = kanthaphixaybc	DESIGNED - DAG	REVISED -
et:\pwwork\pwwidot\KANTHAPHIXAYBC\d011264\tr\of\fig.legend.v7.dgn		DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
		DATE - 10/28/09	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

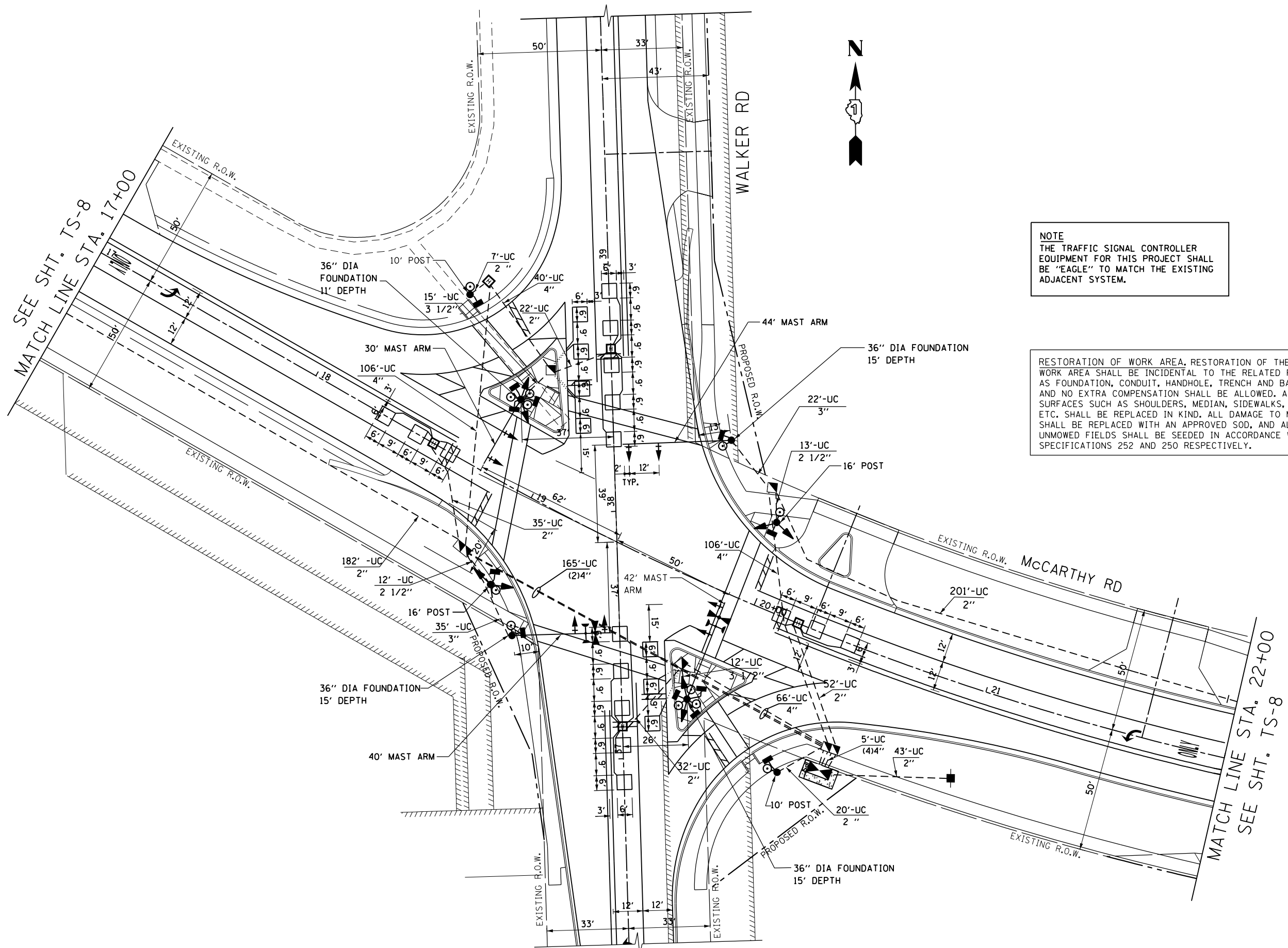
**DISTRICT 1  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET NO. 5 OF 6 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	61
CONTRACT NO. 60L79			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

# TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM21F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				<b>RAILROAD SYMBOLS</b>			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				RAILROAD CONTROL CABINET			
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT				RAILROAD CANTILEVER MAST ARM			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER				FLASHING SIGNAL			
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED				CROSSING GATE			
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)				CROSSBUCK			
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											



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

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, 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.

FILE NAME = C:\Projects\1004 (War\_Ver-Collins)\18 (McCarthy\_Rd)\Design\Sht\07 - TRAFFIC SIGNAL PLAN.dgn

**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 1341 Warren Avenue  
 Downers Grove, IL 60515

USER NAME = sahsan	DESIGNED - AS	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - MSA	REVISED -
PLOT DATE = 9/21/2012	CHECKED - TM/MSA	REVISED -
	DATE - 09-12-2012	REVISED -

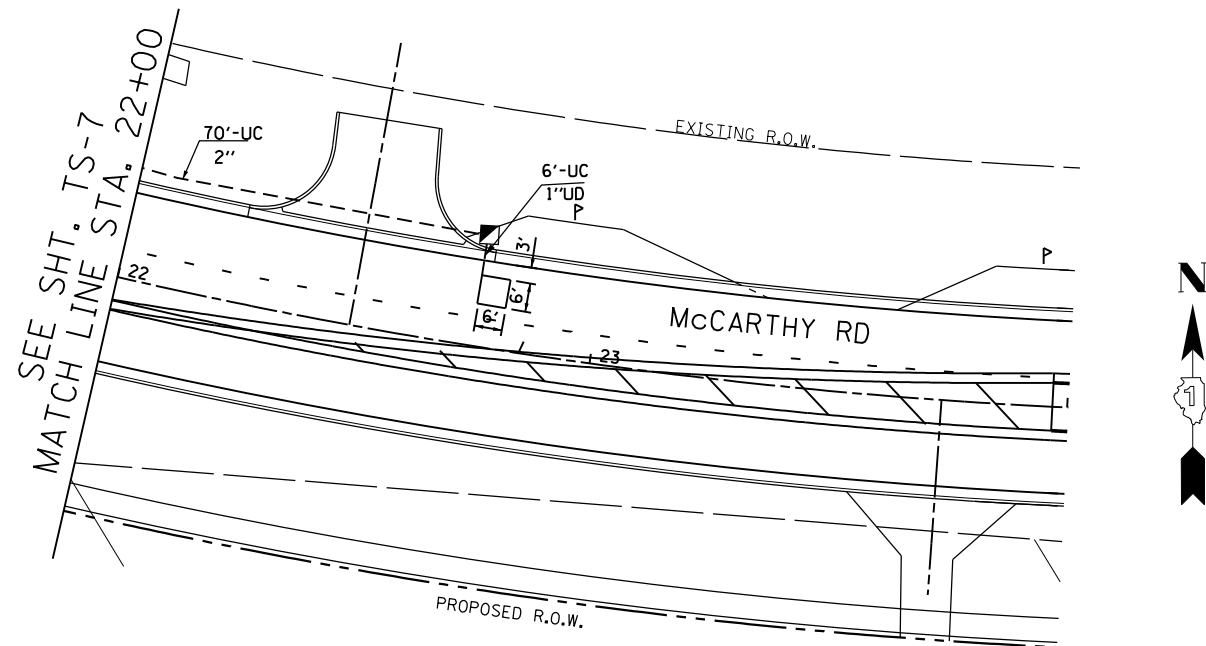
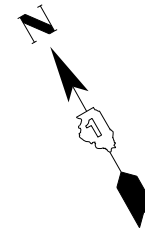
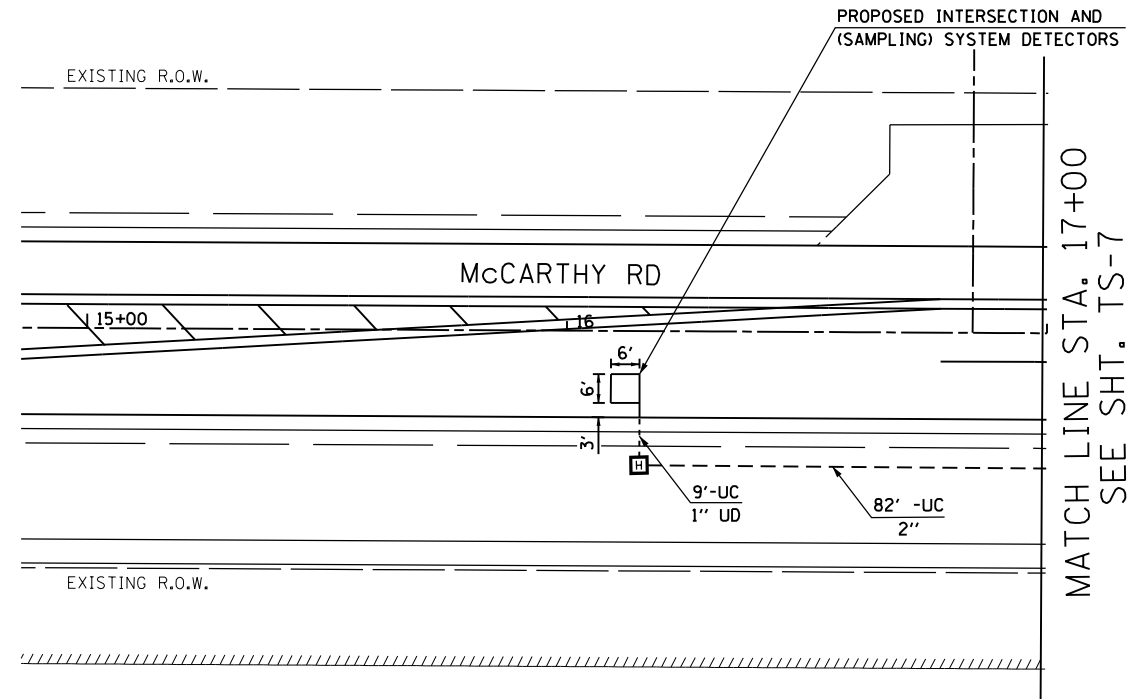
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN - SHEET 1 OF 2  
 MCCARTHY ROAD AND WALKER ROAD**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
--------	-----------	----	--------	------	----	------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	63
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60L79	

TS-7



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

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, 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.

FILE NAME =  
\$FILEL\$

**AMES Engineering, Inc.**  
CONSULTING ENGINEERS  
1341 Warren Avenue  
Downers Grove, IL 60515

USER NAME = \$USER\$	DESIGNED - AS	REVISED -
DRAWN - MSA	CHECKED - TM/MSA	REVISED -
DATE - 09-12-2012		REVISED -

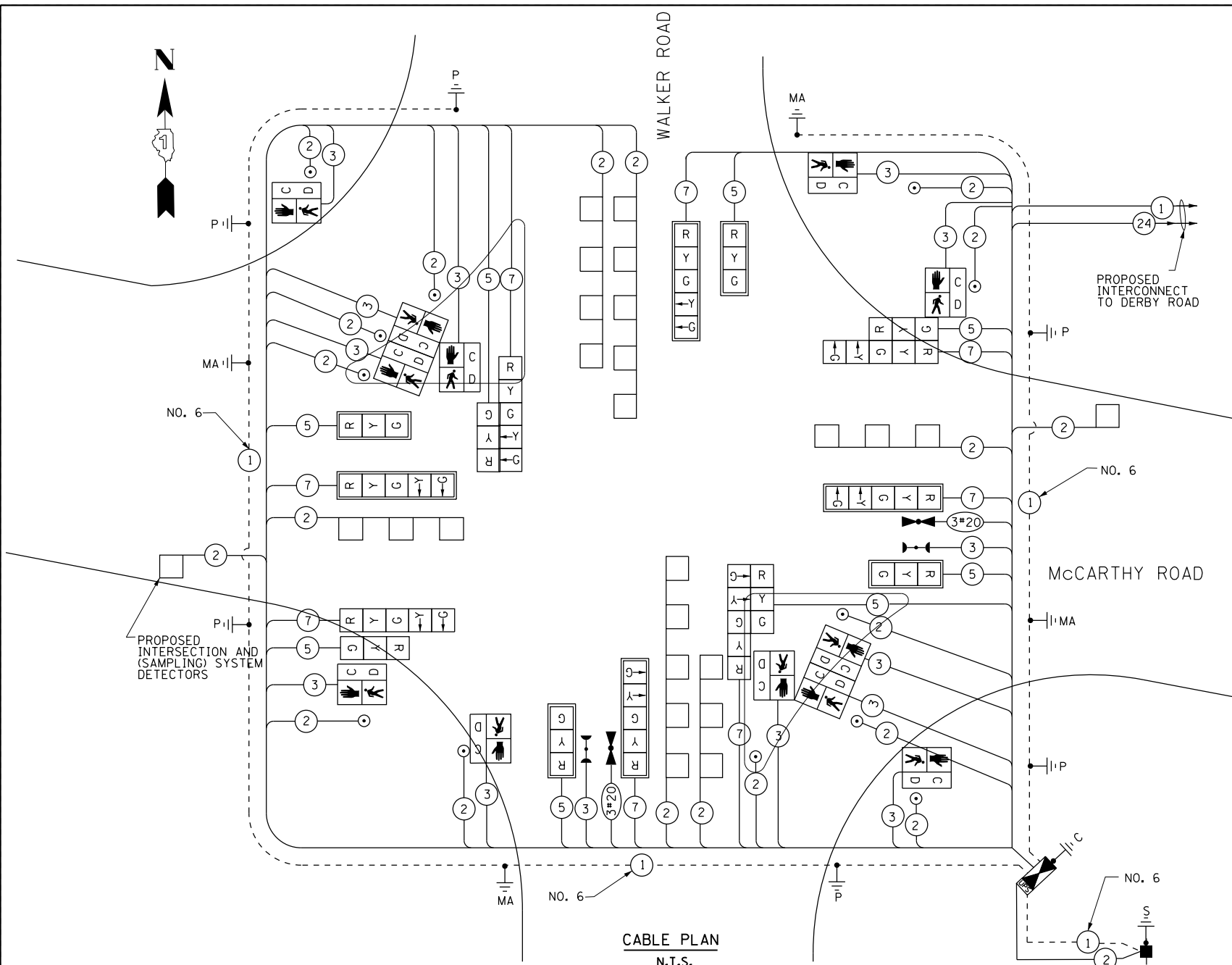
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN - SHEET 2 OF 2  
McCARTHY ROAD AND WALKER ROAD

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
--------	-----------	----	--------	------	----	------

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	64
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO.			60L79	

TS-8

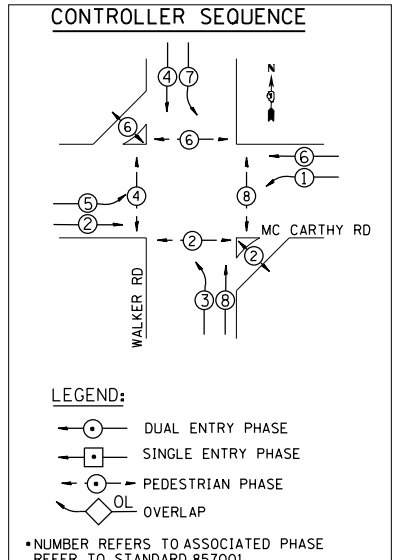
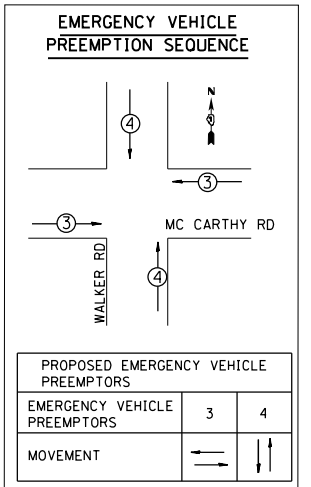


CODE	ITEM	UNIT	QNTY.
72000100	SIGN PANEL-TYPE 1	SQFT	33
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	735
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	15
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	73
81028230	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	27
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	651
81400100	HANDHOLE	EACH	4
81400200	HEAVY-DUTY HANDHOLE	EACH	6
81400300	DOUBLE HANDHOLE	EACH	2
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2533
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3061
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1457
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1481
87301295	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3C	FOOT	467
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1745
87301732	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 20 3C	FOOT	467
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	80
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	563
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	6
88102757	PEDESTRIAN SIGNAL HEAD, LED, 3-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
88500100	INDUCTIVE LOOP DETECTOR	EACH	8
88600100	DETECTOR LOOP, TYPE I	FOOT	862
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2

CABLE PLAN  
N.T.S.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL VOLTAGE
TYPE	NO. LAMPS	WATTAGE INCAND	WATTAGE LED	% OPERATION	
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	16		15	0.25	60
ARROW	8		12	0.10	9.6
PED. SIGNAL	12		25	1.00	300
CONTROLLER	1		100	1.00	100
ILLUM. SIGN LUMINAIRE				0.05	-
				0.50	-
FLASHER				0.50	-
				TOTAL =	705.6

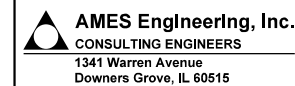
ENERGY COST TO: VILLAGE OF LEMONT  
418 MAIN STREET  
LEMONT, IL 60439  
ENERGY SUPPLY: CONTACT: Mr. Jim Glover  
PHONE: 815-724-5054  
COMPANY: ComEd



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, 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 SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

FILE NAME =  
\$FILEL\$



USER NAME = \$USER\$  
DESIGNED - AS  
DRAWN - MSA  
PLOT SCALE = \$SCALE\$  
PLOT DATE = \$DATE\$

REVISIONS:  
REVISOR -  
DATE - 09-12-2012

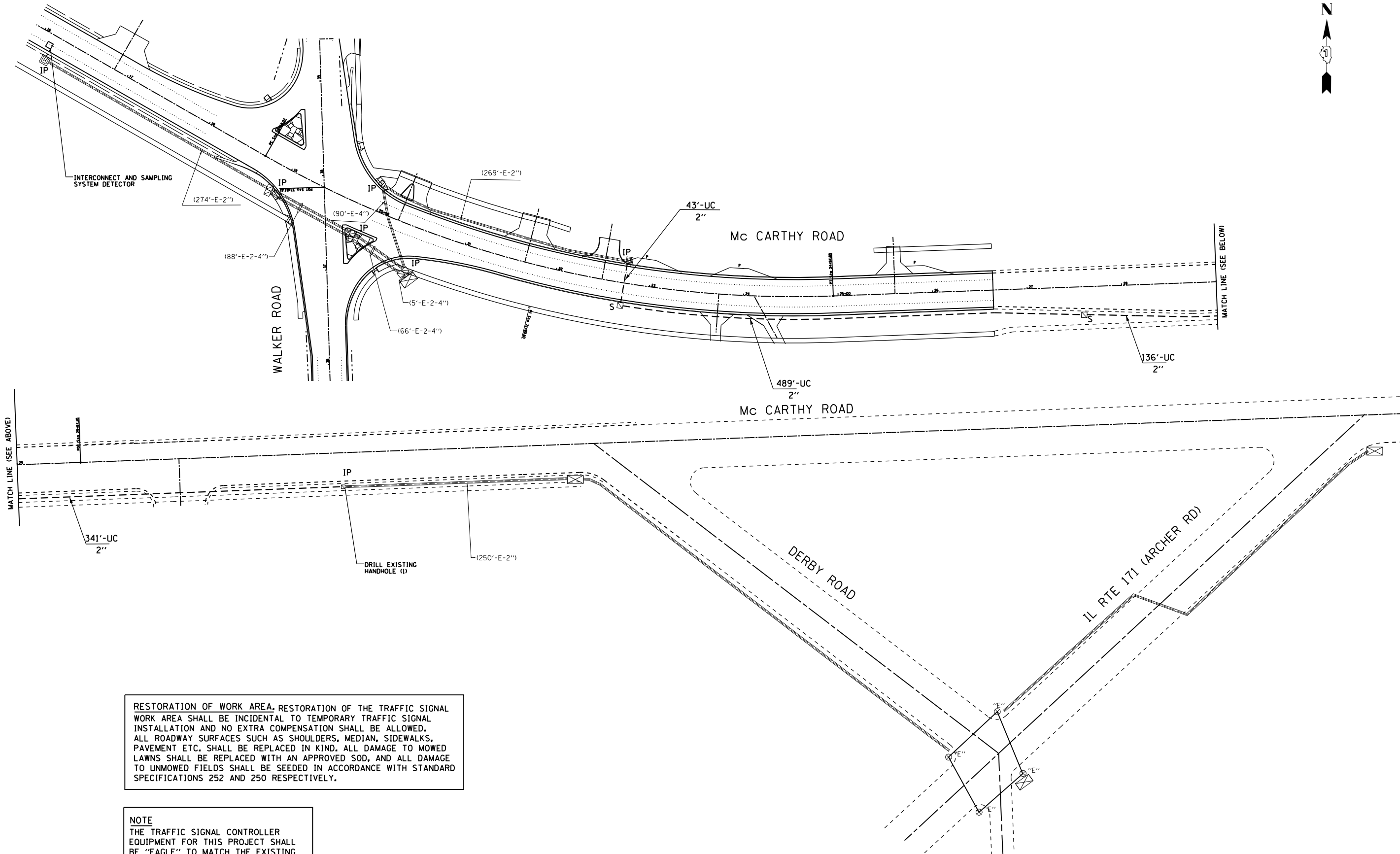
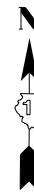
DESIGNED - AS  
DRAWN - MSA  
CHECKED - TM/MSA  
DATE - 09-12-2012

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM AND SCHEDULE OF QUANTITIES  
MC CARTHY ROAD AND WALKER ROAD

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

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	65
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L79	



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, 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 SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

TS-10

FILE NAME =  
\$FILEL\$

**AMES Engineering, Inc.**  
CONSULTING ENGINEERS  
1341 Warren Avenue  
Downers Grove, IL 60515

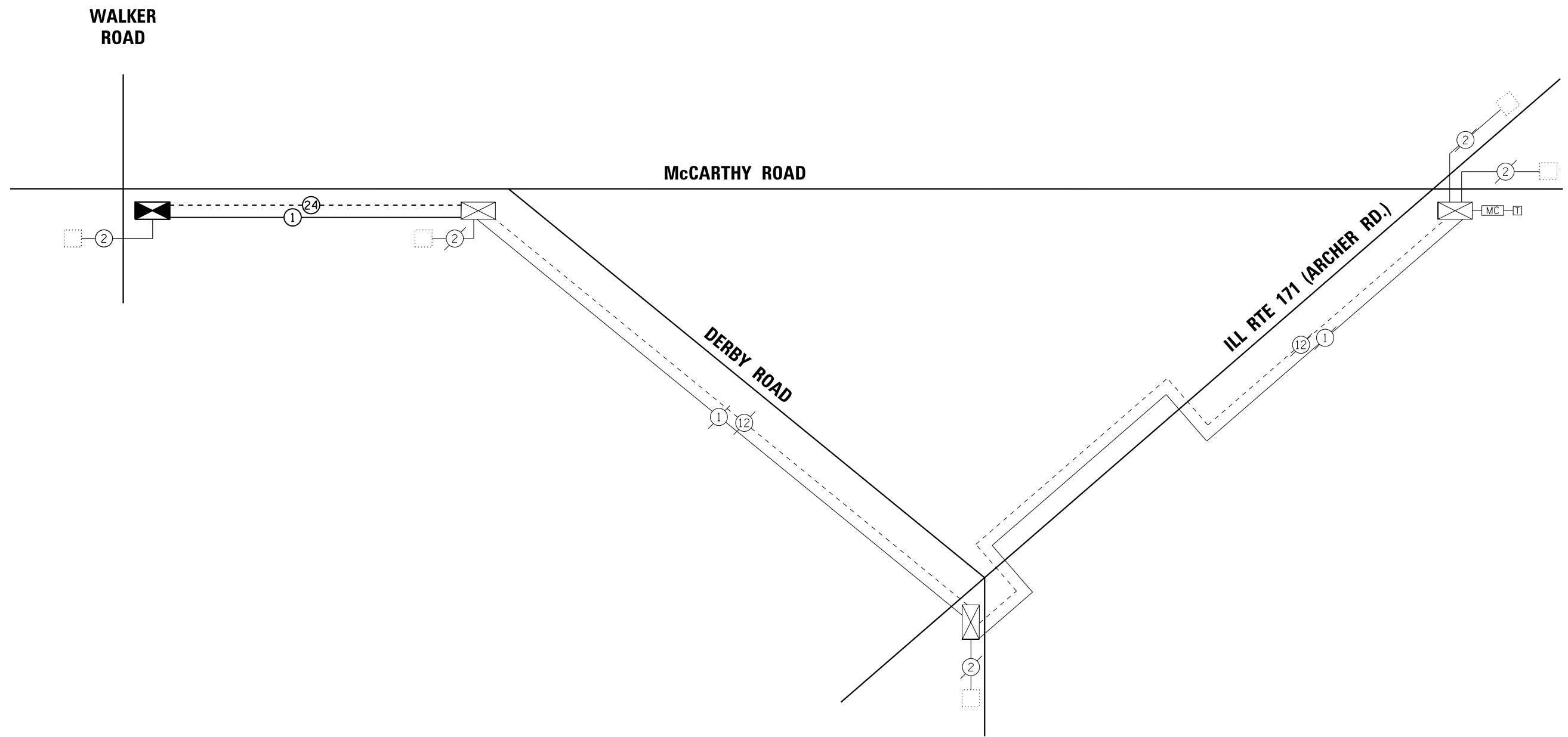
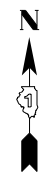
USER NAME = \$USER\$	DESIGNED - AS	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN - MSA	REVISED -
PLOT DATE = \$DATE\$	CHECKED - TM/MSA	REVISED -
	DATE - 09-12-2012	REVISED -

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

**INTERCONNECT PLAN**  
**MC CARTHY RD FROM WALKER RD TO DERBY RD**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 66
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60L79	



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

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO TEMPORARY TRAFFIC SIGNAL INSTALLATION AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, 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.

CODE	ITEM	UNIT	QNTY.
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1009
81400100	HANDHOLE	EACH	2
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1
	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	1600
87900200	DRILL EXISTING HANDHOLE	EACH	1

TS-11

FILE NAME =  
 \$FILEL\$

<b>AMES Engineering, Inc.</b> CONSULTING ENGINEERS 1341 Warren Avenue Downers Grove, IL 60515	USER NAME = \$USER\$	DESIGNED - AS	REVISED -
		DRAWN - MSA	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - TM/MSA	REVISED -
	PLOT DATE = \$DATE\$	DATE - 9-12-2012	REVISED -

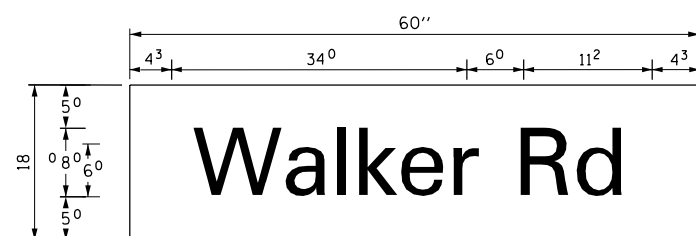
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC  
 McCARTHY ROAD FROM WALKER ROAD TO DERBY ROAD**

SCALE:      SHEET NO.    OF    SHEETS    STA.      TO STA.

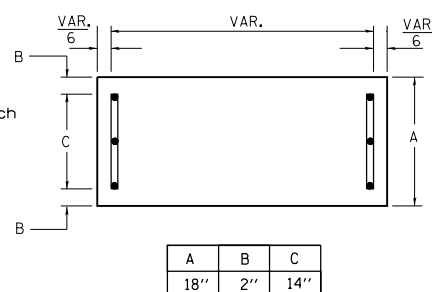
F.A. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 67
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 60L79				

PANEL SIGN DESIGN TYPE 1



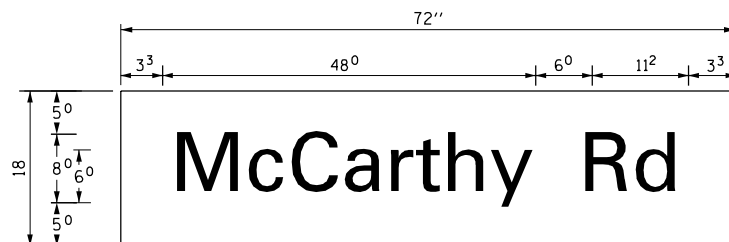
7.5 Sq. Ft. each  
2 Required  
Design Series D

SUPPORTING CHANNELS

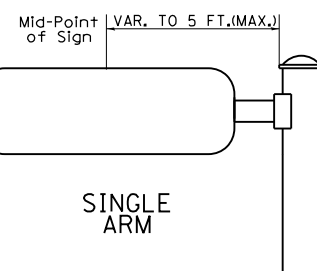


A	B	C
18"	2"	14"

PANEL SIGN DESIGN TYPE 1



9.00 Sq. Ft. each  
2 Required  
Design Series D



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

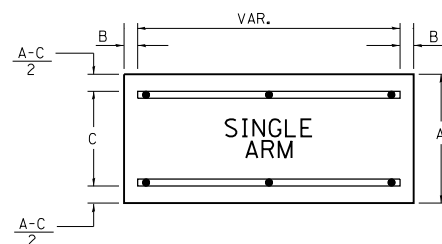
SERIES	SECOND LETTER																	
	a g	c o	d q	e	b m	h n	i o	k p	l r	f	w	j	s	t	v	y	x	z
A W X	1 2	1 4	1 4	1 5	1 2	1 4	1 4	1 0	1 1	1 4	1 0	1 1	1 2	1 2	1 2	1 2	1 4	
B	1 4	1 5	2 0	2 1	1 4	1 5	1 1	1 2	1 4	1 5	1 2	1 4	1 2	1 4	1 6	1 7		
C E G	1 4	1 5	2 0	2 1	1 2	1 4	1 0	1 2	1 4	1 2	1 4	1 4	1 5	1 4	1 5	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

EXAMPLE, 2<sup>3</sup> DENOTES  $\frac{3}{8}$ "

UPPER AND LOWER CASE  
LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	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

SUPPORTING CHANNELS



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

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

SERIES	SECOND LETTER																	
	a g	c o	d q	e	b m	h n	i o	k p	l r	f	w	j	s	t	v	y	x	z
a d h g l j	1 6	1 7	2 2	2 4	1 6	1 7	1 2	1 4	1 4	1 5	1 4	1 5	1 6	1 7	1 6	1 7		
i m n q u	1 6	1 7	2 2	2 4	1 6	1 7	1 2	1 4	1 4	1 5	1 4	1 5	1 6	1 7	1 6	1 7		
b f k o p s	1 2	1 4	1 6	1 7	1 1	1 2	0 5	0 6	1 1	1 1	1 2	1 2	1 4	1 2	1 4			
c e	1 2	1 4	1 6	1 7	1 2	1 4	0 6	1 0	1 2	1 4	1 2	1 4	1 2	1 4	1 2	1 4		
r	0 6	1 0	1 2	1 4	0 6	1 0	0 3	0 3	0 5	0 6	0 5	0 6	0 6	1 0	0 6	1 0		
t z	1 2	1 4	1 6	1 7	1 2	1 4	0 6	1 0	1 1	1 2	1 1	1 2	1 2	1 4	1 2	1 4		
v y	1 1	1 2	1 4	1 5	1 1	1 2	0 5	0 6	0 6	1 0	0 6	1 0	1 1	1 2	1 1	1 2		
w	1 1	1 2	1 4	1 5	1 1	1 2	0 5	0 6	1 1	1 2	1 1	1 2	1 1	1 2	1 2	1 4		
x	1 2	1 4	1 6	1 7	1 1	1 2	0 5	0 6	1 1	1 2	1 1	1 2	1 1	1 2	1 2	1 4		

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

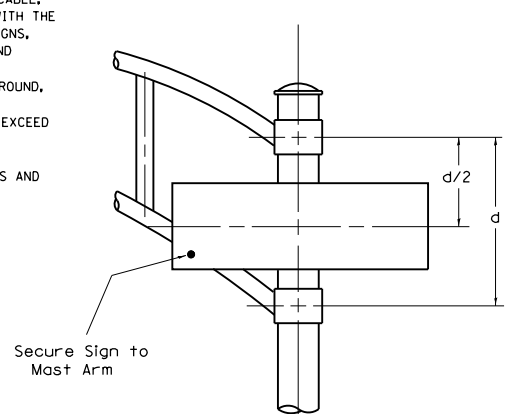
SERIES	SECOND NUMBER																			
	0	1	2	3	4	5	6	7	8	9										
0 9	1 6	1 7	1 6	1 7	1 4	1 5	1 2	1 4	1 4	1 5	1 4	1 5	1 6	1 7	1 2	1 4	1 6	1 7	1 6	1 7
1	2 0	2 1	2 0	2 1	2 0	2 1	1 6	1 7	1 4	1 5	2 0	2 1	2 0	2 1	1 4	1 5	2 0	2 1	2 0	2 1
2 3 4	1 4	1 5	1 4	1 5	1 4	1 5	1 2	1 4	1 2	1 4	1 4	1 5	1 4	1 5	1 1	1 2	1 6	1 7	1 4	1 5
5	1 4	1 5	1 4	1 5	1 4	1 5	1 1	1 2	1 1	1 2	1 4	1 5	1 4	1 5	1 1	1 2	1 4	1 5	1 4	1 5
6	1 6	1 7	1 4	1 5	1 4	1 5	1 2	1 4	1 4	1 5	1 4	1 5	1 4	1 5	1 1	1 2	1 4	1 5	1 4	1 5
7	1 2	1 4	1 2	1 4	1 4	1 5	1 2	1 4	1 2	1 4	1 4	1 5	1 4	1 5	1 1	1 2	1 4	1 5	1 2	1 4
8	1 6	1 7	1 6	1 7	1 4	1 5	1 2	1 4	1 4	1 5	1 6	1 7	1 2	1 4	1 6	1 7	1 4	1 5	1 4	1 5

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

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

GENERAL NOTES

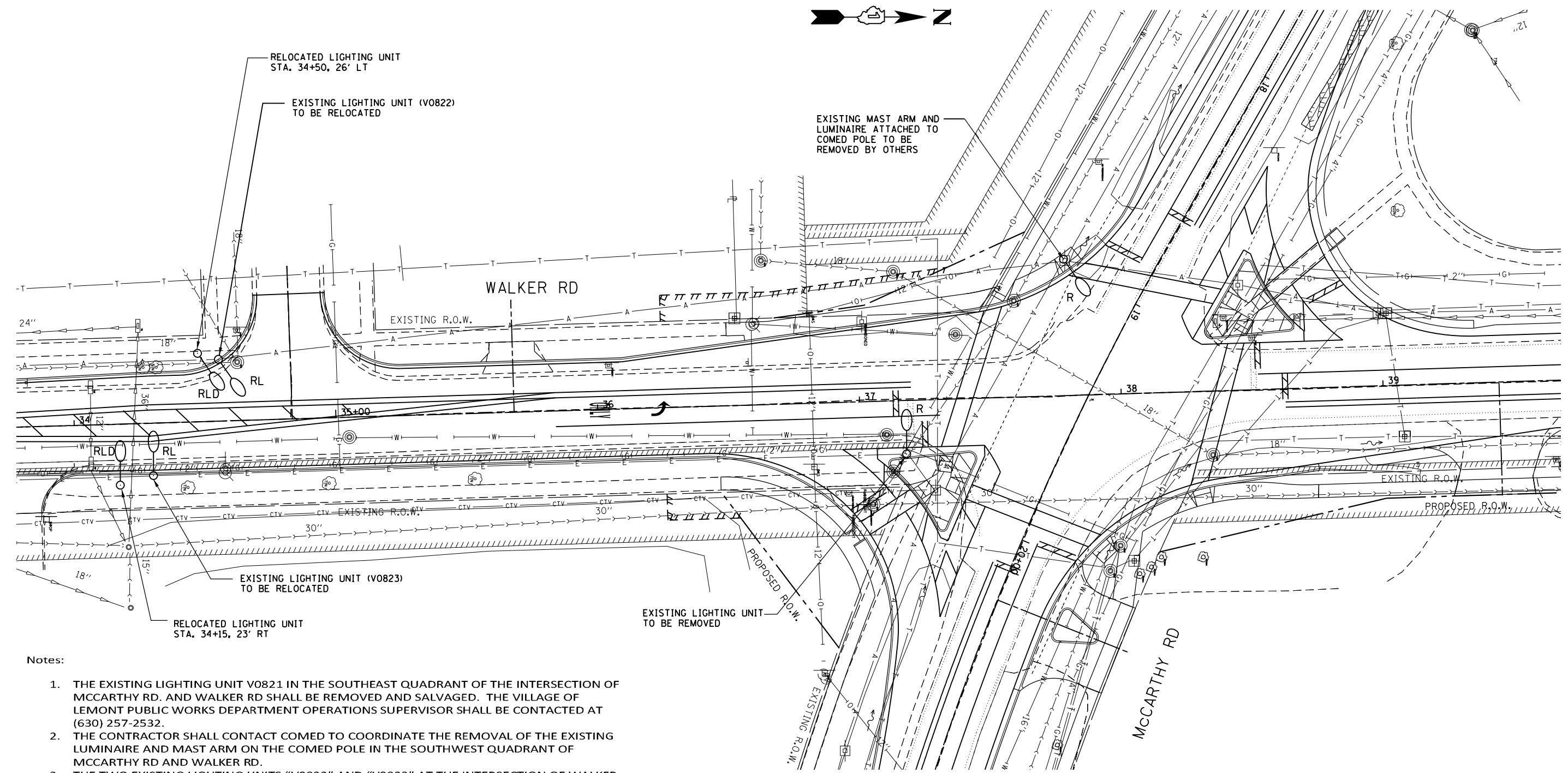
- WHERE MAINT ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAINT ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
  - ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
  - THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
  - ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
  - SIGNIFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNIFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
    - \* A.K.T. CORPORATION (SCHAMBURG, IL)
    - \* TUCKER COMPANY, INC. (WAUWATOSA, WI)
    - \* AMERICAN FABRICATION CO. (CHICAGO HEIGHTS, IL)
    - \* WESTERN TRAFFIC CONTROL INC. (CICERO, IL)
- PARTS LISTING:  
SIGN CHANNEL PART \*HPN053 (MED. CHANNEL)  
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
- BRACKETS PART \*HPN034 (UNIVERSAL)  
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
- OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.



DUAL ARM

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





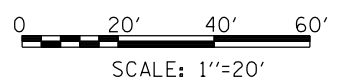
**Notes:**

1. THE EXISTING LIGHTING UNIT V0821 IN THE SOUTHEAST QUADRANT OF THE INTERSECTION OF MCCARTHY RD. AND WALKER RD SHALL BE REMOVED AND SALVAGED. THE VILLAGE OF LEMONT PUBLIC WORKS DEPARTMENT OPERATIONS SUPERVISOR SHALL BE CONTACTED AT (630) 257-2532.
  2. THE CONTRACTOR SHALL CONTACT COMED TO COORDINATE THE REMOVAL OF THE EXISTING LUMINAIRE AND MAST ARM ON THE COMED POLE IN THE SOUTHWEST QUADRANT OF MCCARTHY RD AND WALKER RD.
  3. THE TWO EXISTING LIGHTING UNITS "V0822" AND "V0823" AT THE INTERSECTION OF WALKER RD AND AMBERWOOD LN SHALL BE RELOCATED AS INDICATED ON PLAN. THE LIGHTING UNITS SHALL BE RELOCATED SUCH THAT THE EXISTIING CABLE CAN BE RECONNECTED AT THE NEW POLE LOCATION.
  4. WHEN A CONDUIT OR DUCT EXTENSION IS REQUIRED, THE CONDUIT AND/OR DUCT MAY BE SPLICED AND A NEW SPAN OF CABLE SHALL BE INSTALLED. THE ENGINEER WILL INSPECT ALL CONDUIT AND/OR DUCT SPLICES BEFORE BACKFILLING.
- THE COST FOR THIS EXTENSION IF REQUIRED SHALL BE INCLUDED IN THE COST OF PAY ITEM "RELOCATE EXISITNG LIGHTING UNIT".
5. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
  6. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF LEMONT TO LOCATE AND MARK/STAKE ALL VILLAGE OWNED UNDERGROUND UTILITIES.

**BILL OF MATERIALS**

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	1
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	1

\* REQUIRES SPECIAL PROVISIONS



LTC-01

FILE NAME = \$FILEL\$

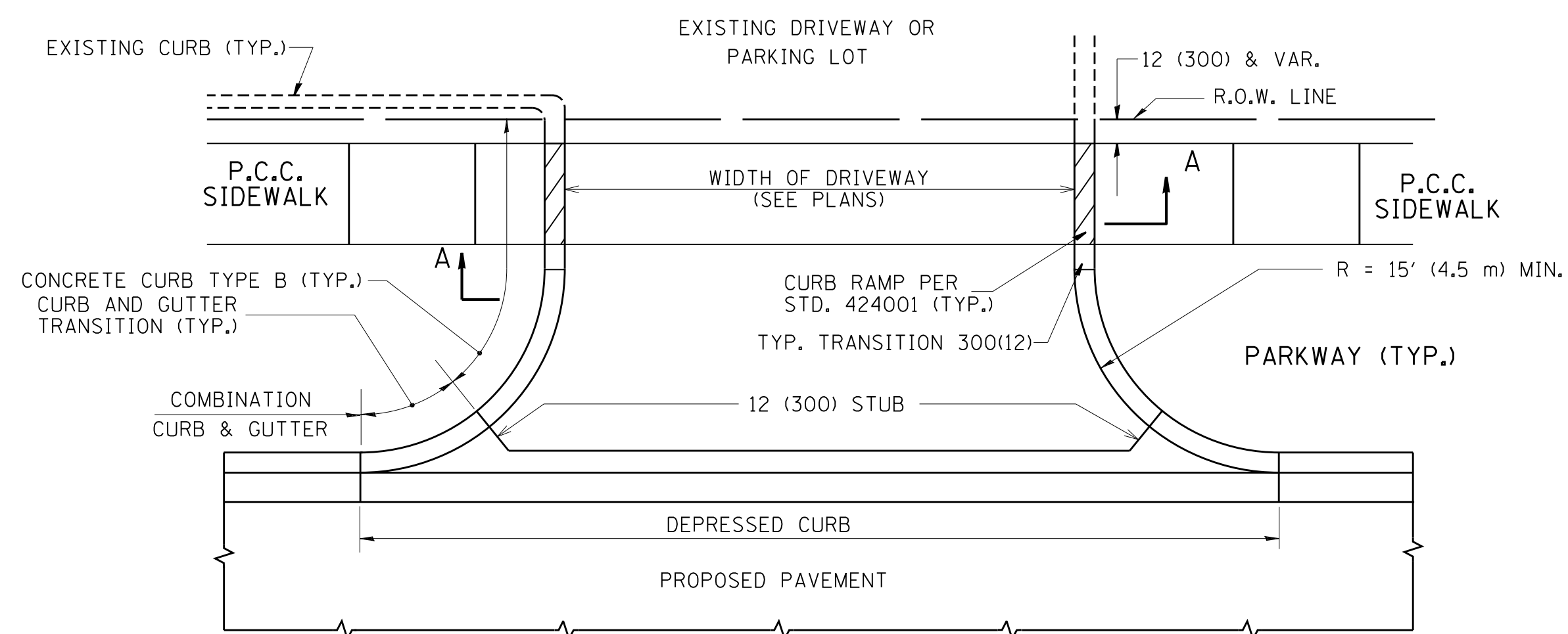
<p><b>AMES Engineering, Inc.</b> CONSULTING ENGINEERS 1341 Warren Avenue Downers Grove, IL 60515</p>	USER NAME = \$USER\$	DESIGNED - BL	REVISED -
		DRAWN - MSA	REVISED -
	PLOT SCALE = \$SCALE\$	CHECKED - MSA	REVISED -
	PLOT DATE = \$DATE\$	DATE - 09-12-2012	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

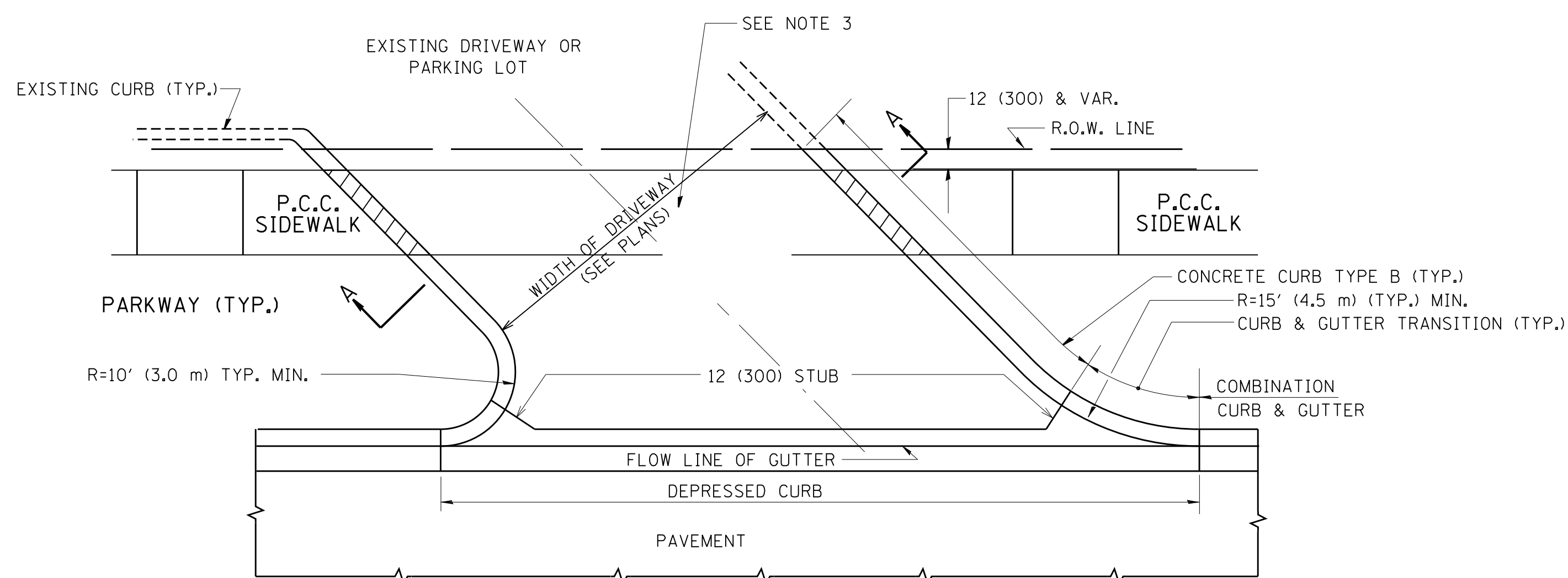
**LIGHTING REMOVAL AND RELOCATION PLAN  
MC CARTHY ROAD AND WALKER ROAD**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
--------	-----------	-----------	------	---------

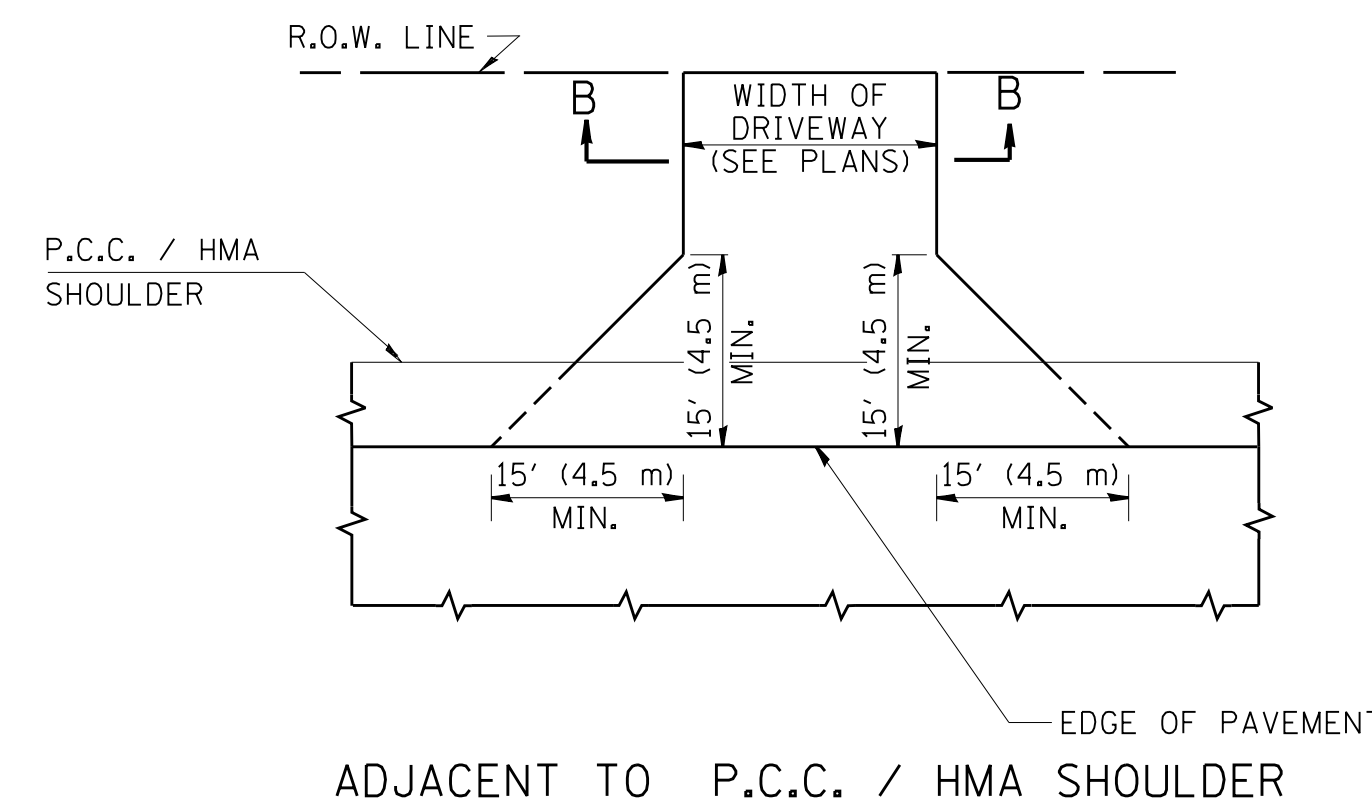
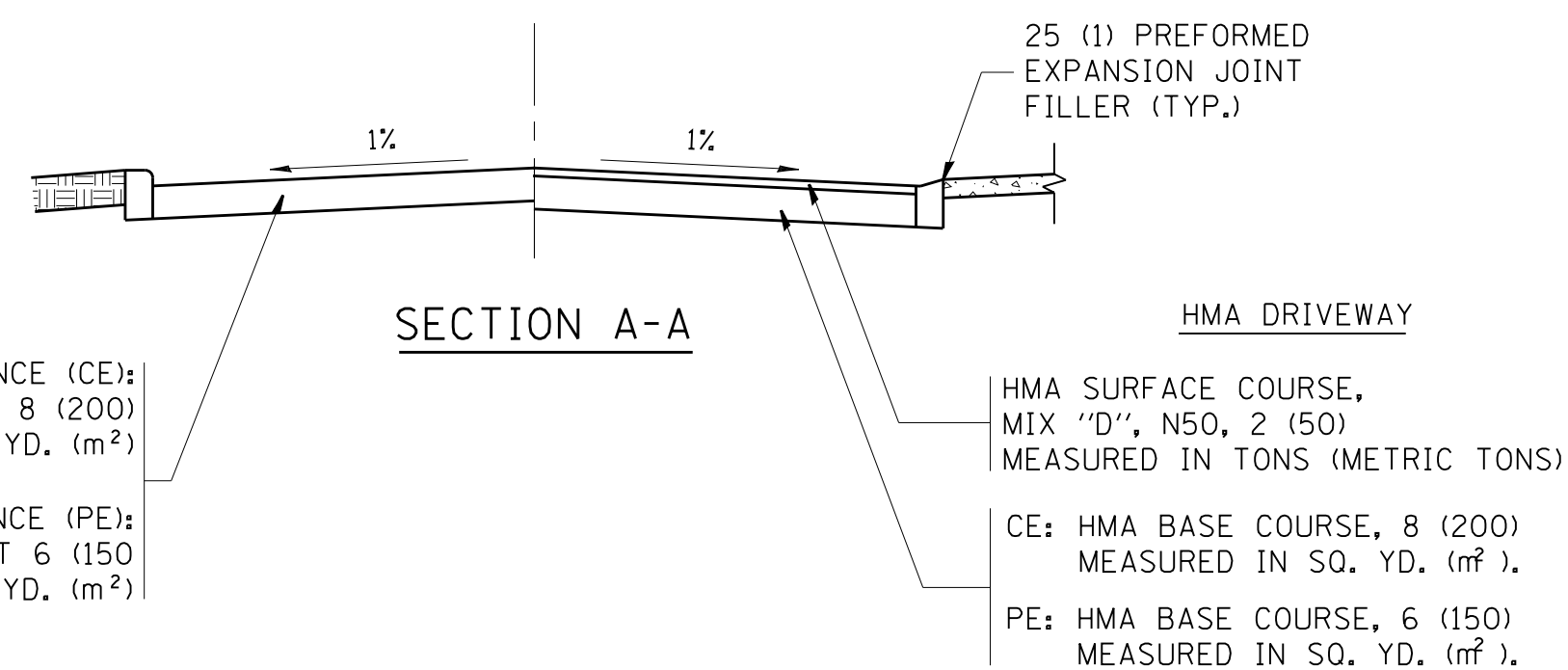
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00042-00-TL	COOK	95	69
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



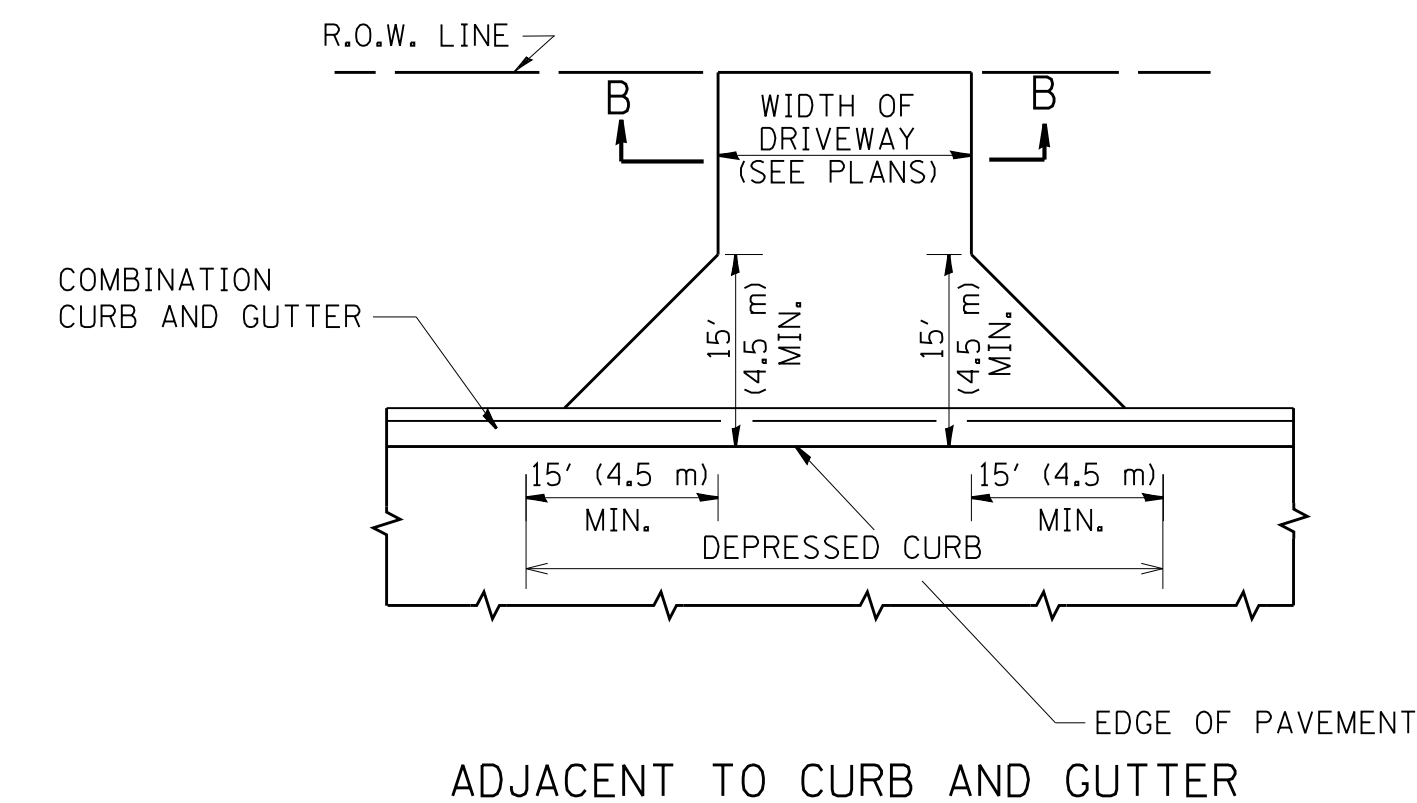
WITH CONCRETE CURB, TYPE B



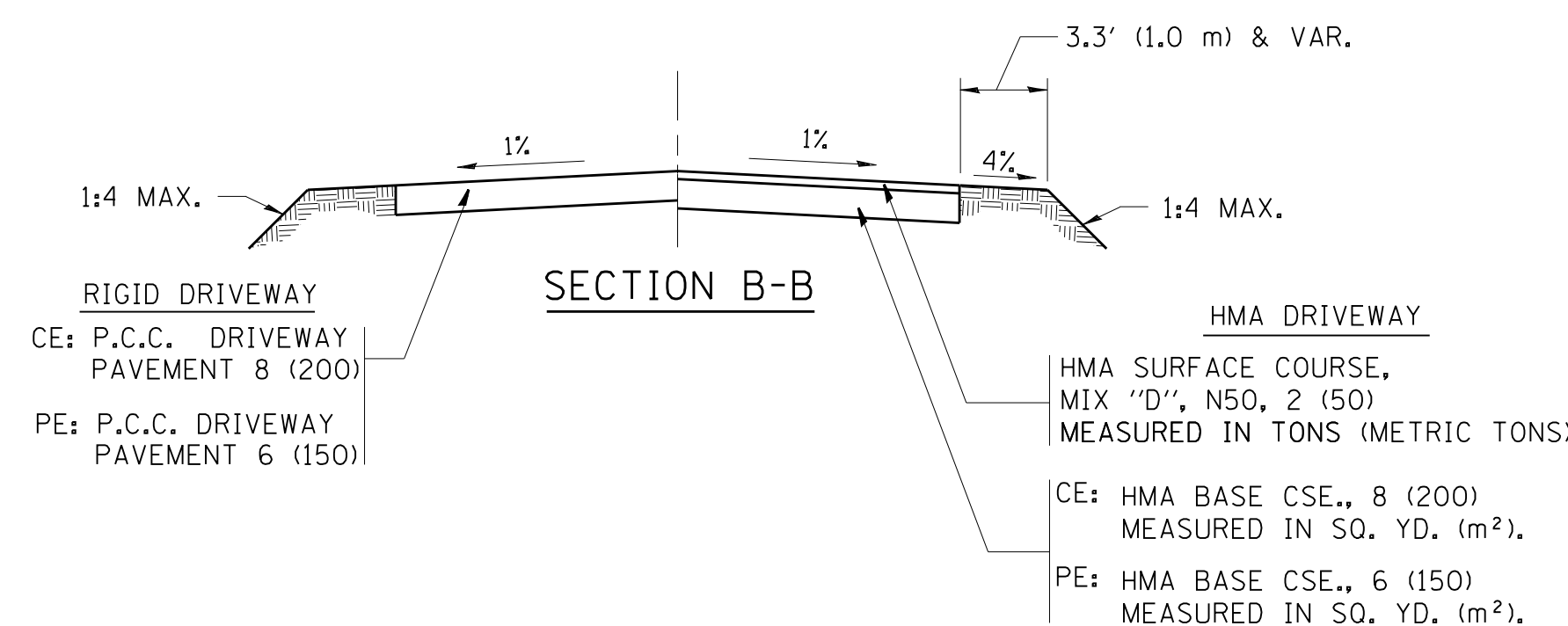
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)  
HMA SURFACE COURSE,  
MIX "D", N50, 2 (50)  
MEASURED IN TONS (METRIC TONS)  
AGGREGATE BASE CSE., TYPE B, 8 (200)  
MEASURED IN SQ. YD. (m<sup>2</sup>).

**GENERAL NOTES:**

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

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

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

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

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

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

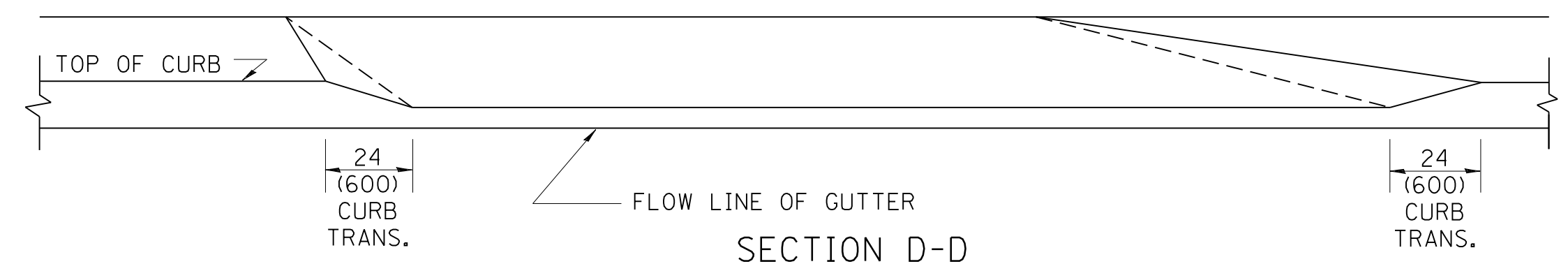
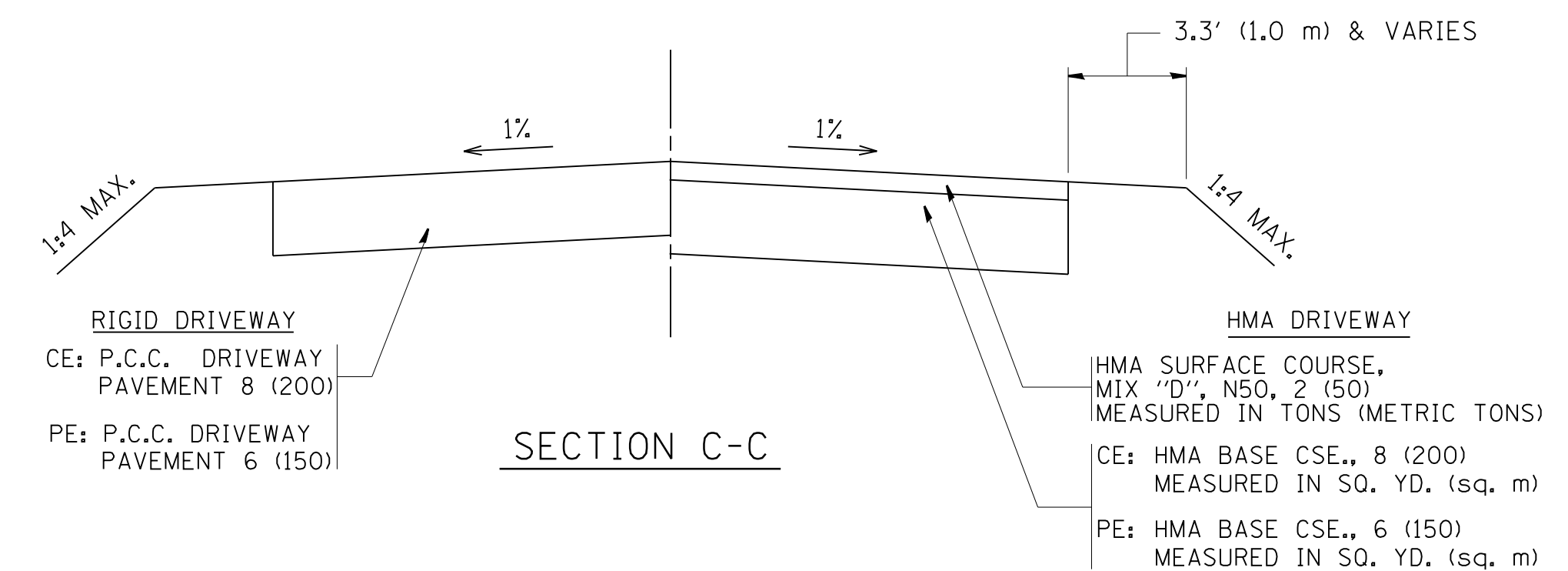
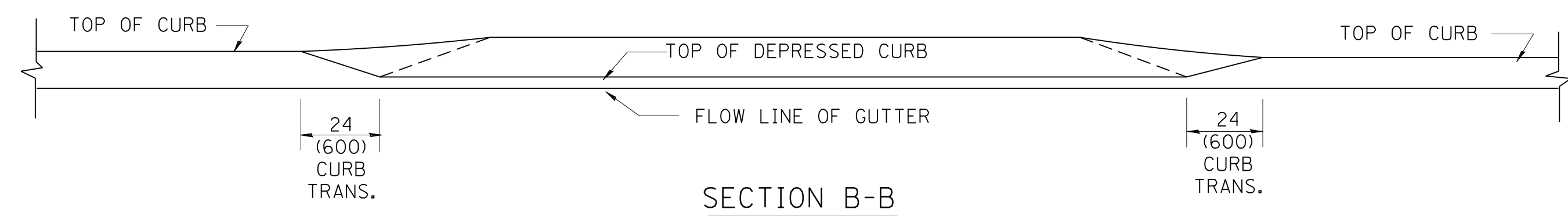
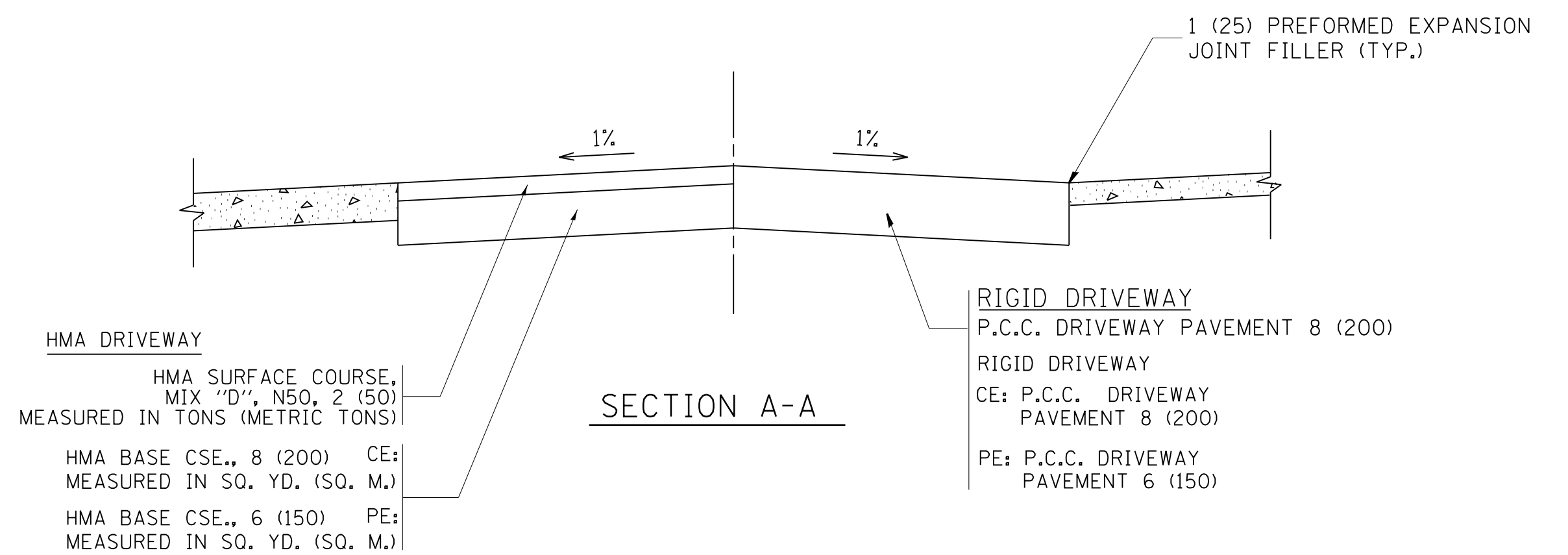
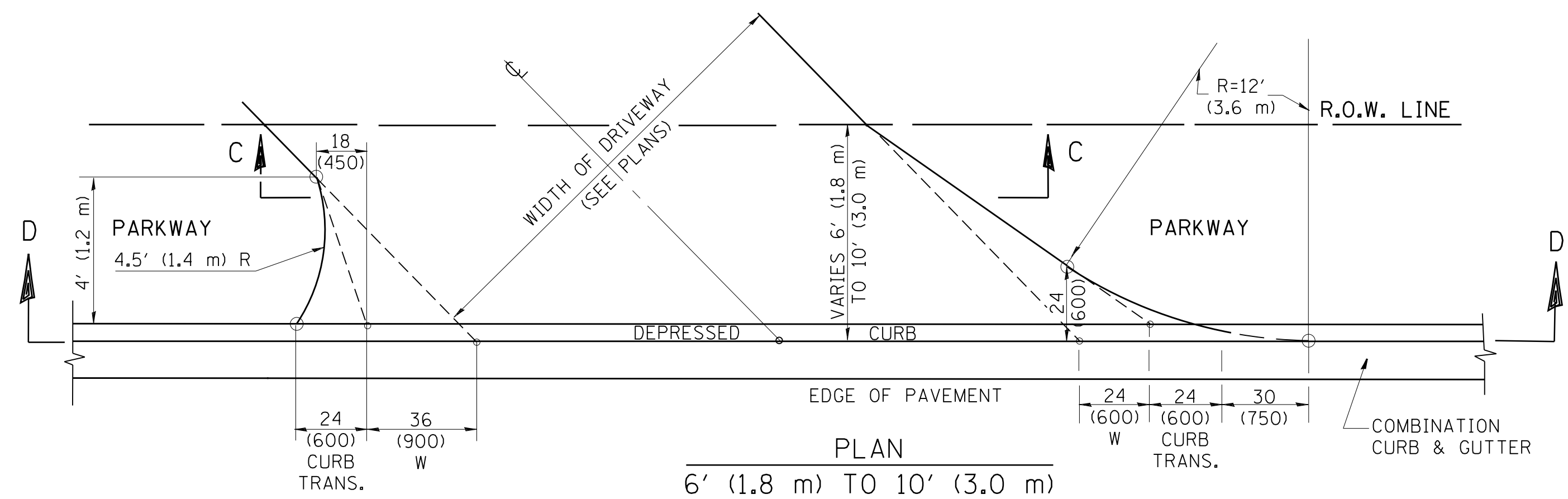
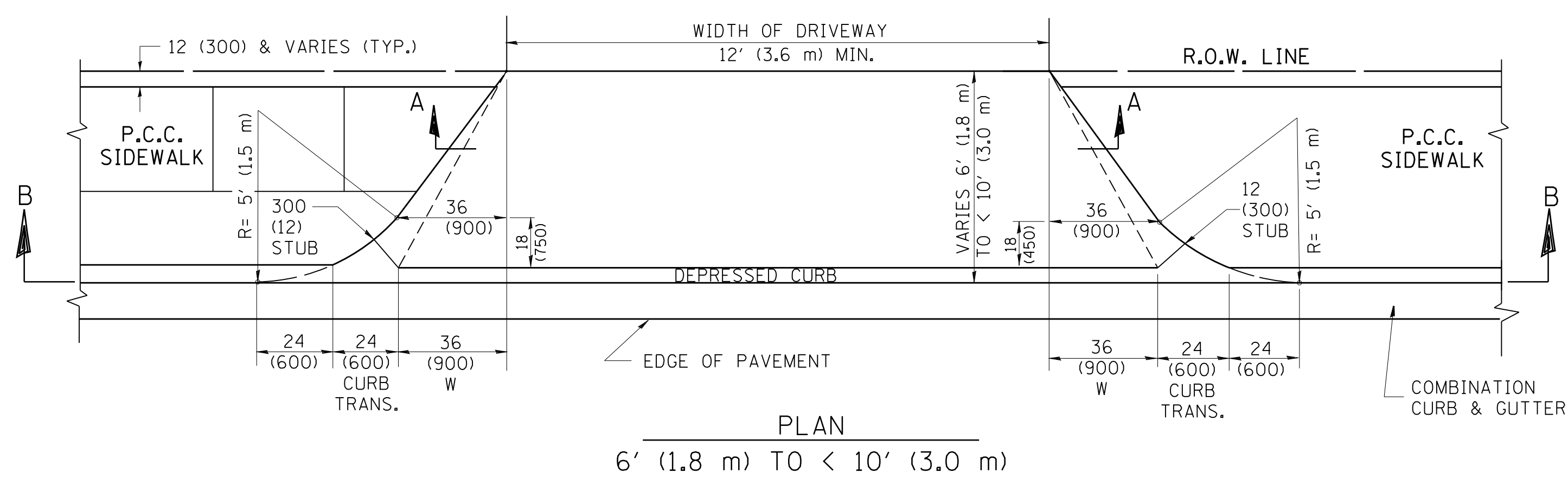
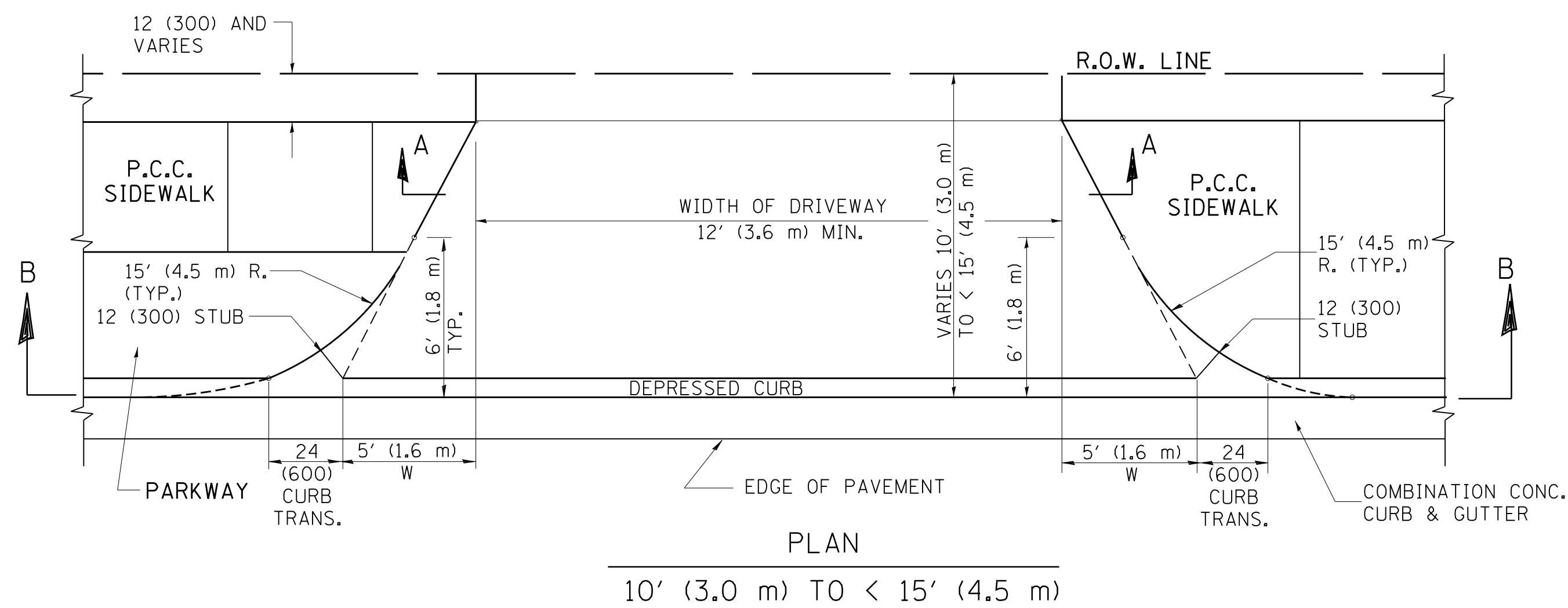
FILE NAME = c:\pwork\pwork\leusa\d0108315\bd01.dgn	USER NAME = leusa	DESIGNED - R. SHAH	REVISED - P. LoFLUER 04-15-03
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.  
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	70
BD0156-07 (BD-01)			CONTRACT NO. 60L79	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

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

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

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

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

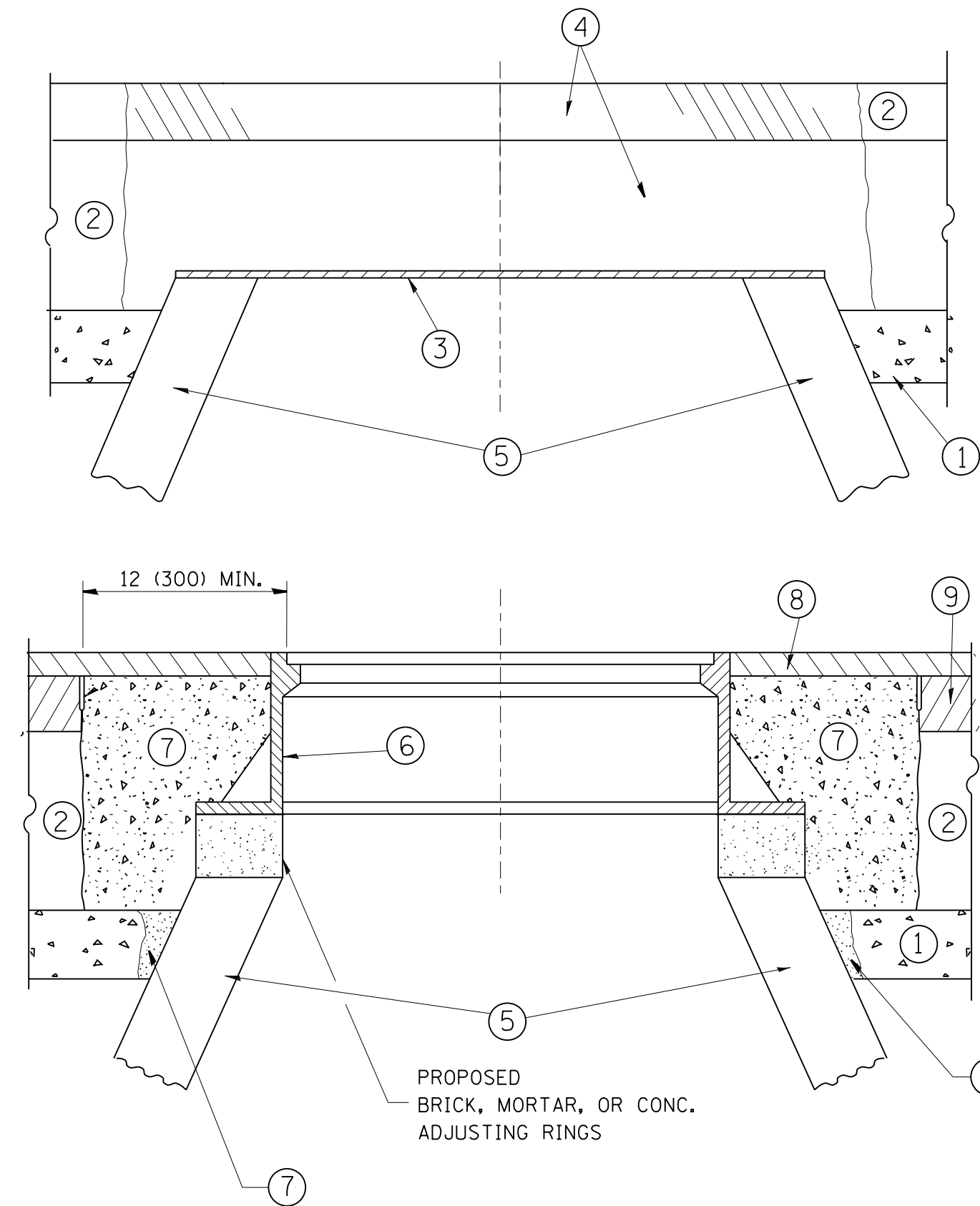
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = lrysa	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
et:\pw_work\pwwork\lrysa\d0108315\bd02.dgn		DRAWN -	REVISED - P. LOFLEUR 04-15-03
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	71
BD400-02 (BD-02)		CONTRACT NO. 60L79		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

**CONSTRUCTION PROCEDURES**

**STAGE 1 (BEFORE PAVEMENT MILLING)**

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

**STAGE 2 (AFTER PAVEMENT MILLING)**

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1\* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

\* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

**LEGEND**

- ① SUB-BASE GRANULAR MATERIAL
- ⑥ FRAME AND LID (SEE NOTES)
- ② EXISTING PAVEMENT
- ⑦ CLASS PP-1\* CONCRETE
- ③ 36 (900) DIAMETER METAL PLATE
- ⑧ PROPOSED HMA SURFACE COURSE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑨ PROPOSED HMA BINDER COURSE
- ⑤ EXISTING STRUCTURE

**LOCATION OF STRUCTURES:**

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

**BASIS OF PAYMENT:**

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

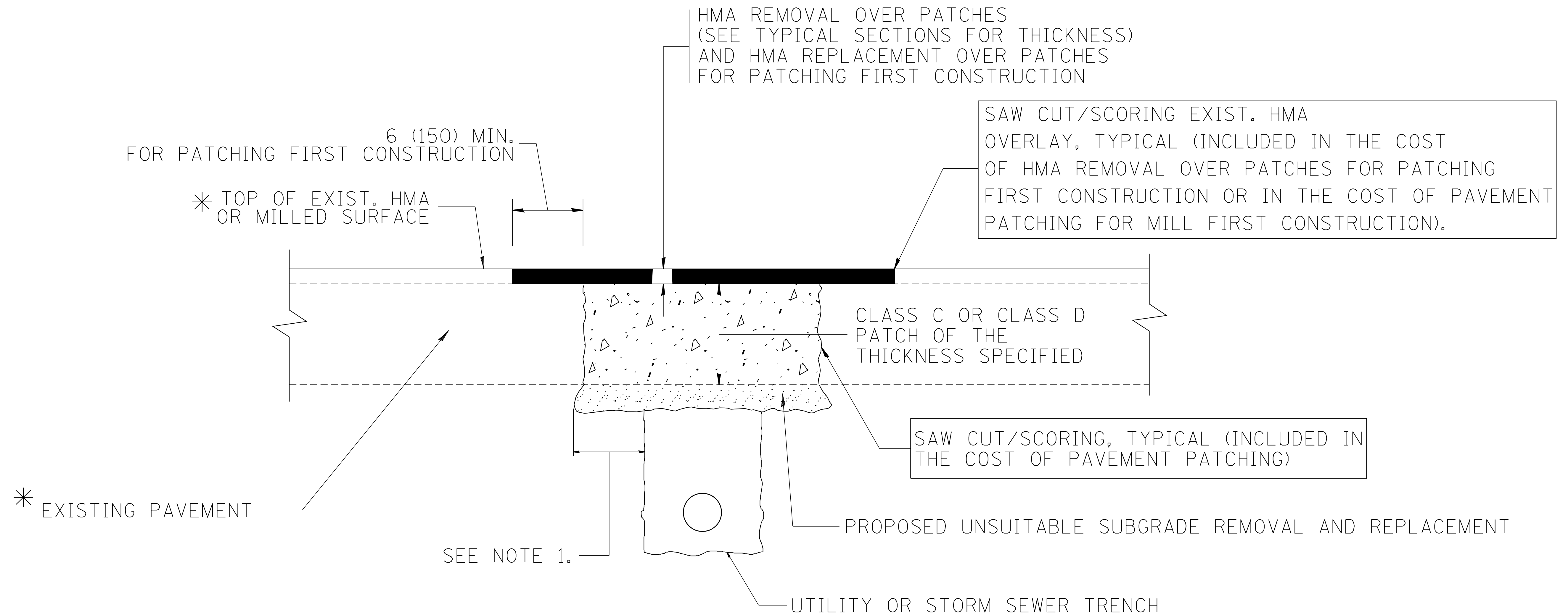
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
et:\pw_work\pwwork\baueard\0108315\bd08.dgn		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1/968.5000 "/ m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	72
<b>BD600-03 (BD-8)</b>		CONTRACT NO. 60L79		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



\* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

**NOTES:**

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

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

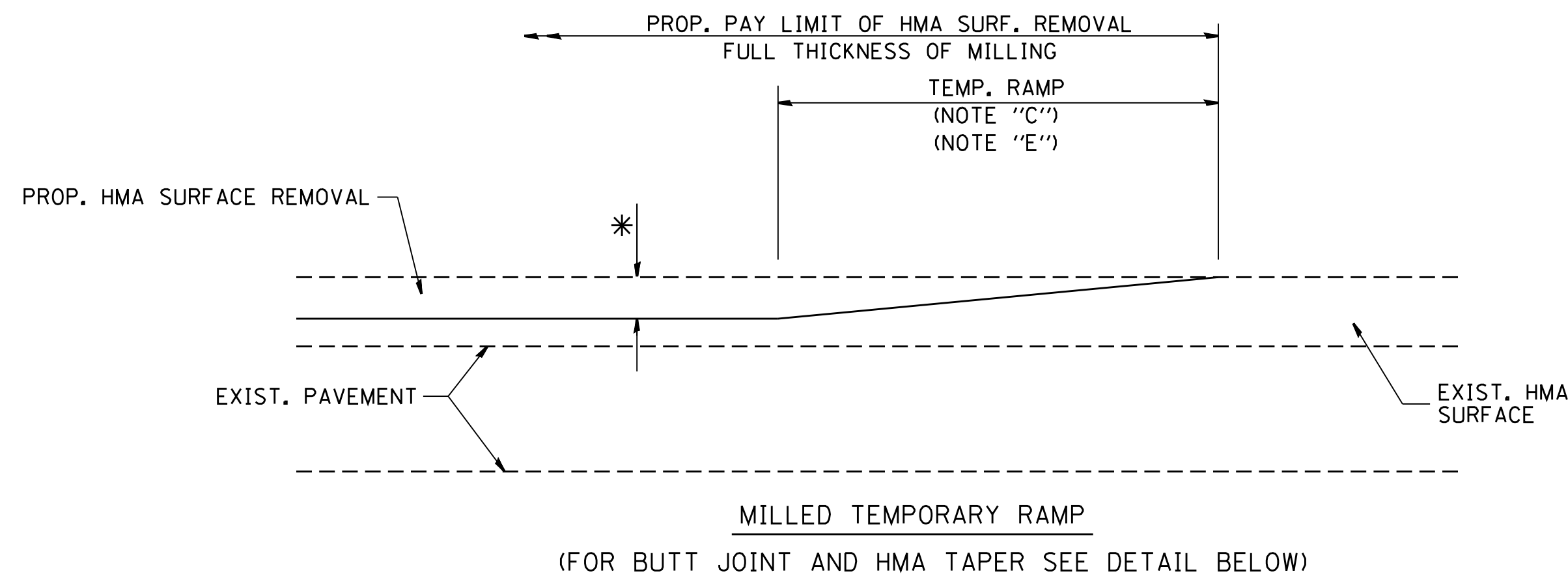
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
		CHECKED -	REVISED - R. BORO 09-04-07
		DATE - 10-25-94	REVISED - K. ENG 10-27-08

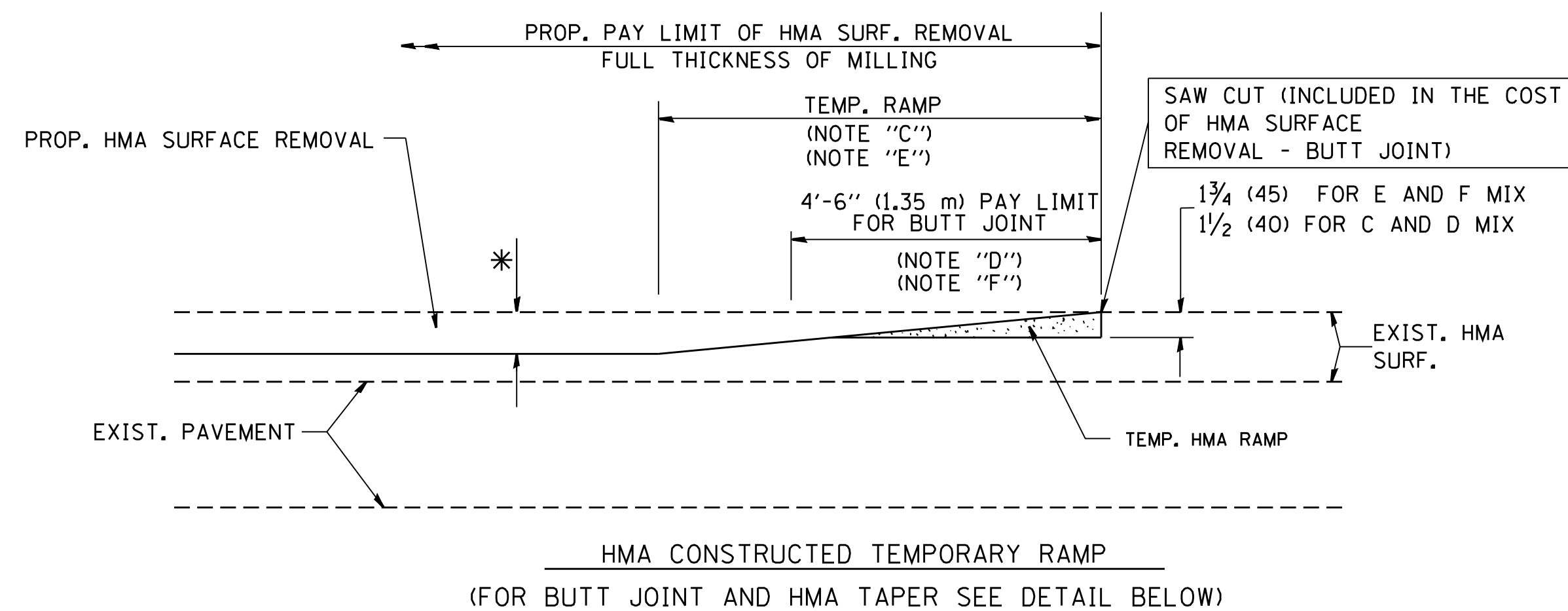
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 73
BD400-04 (BD-22)			CONTRACT NO. 60L79	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

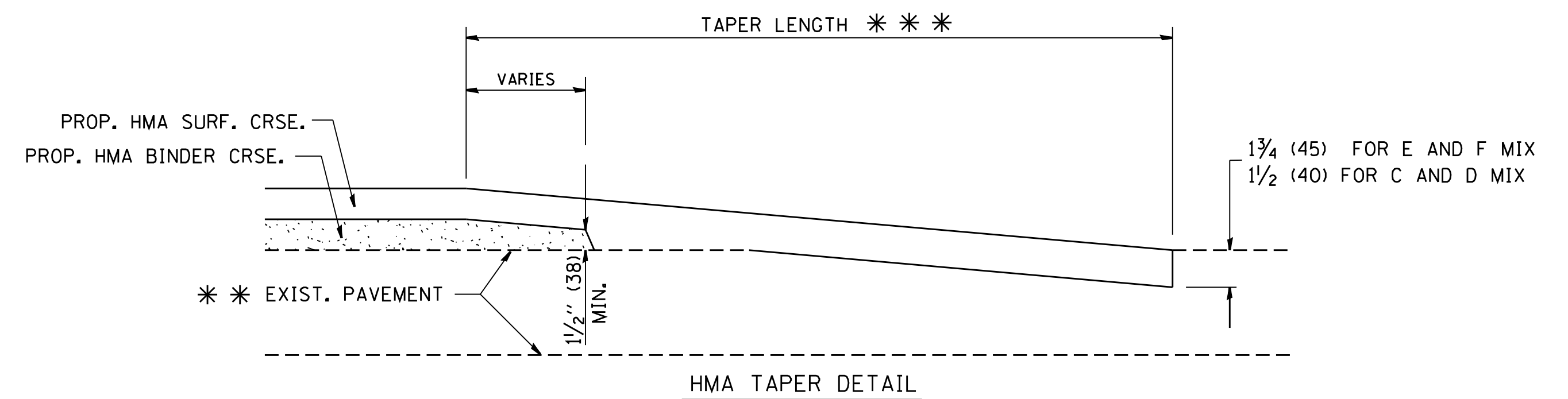
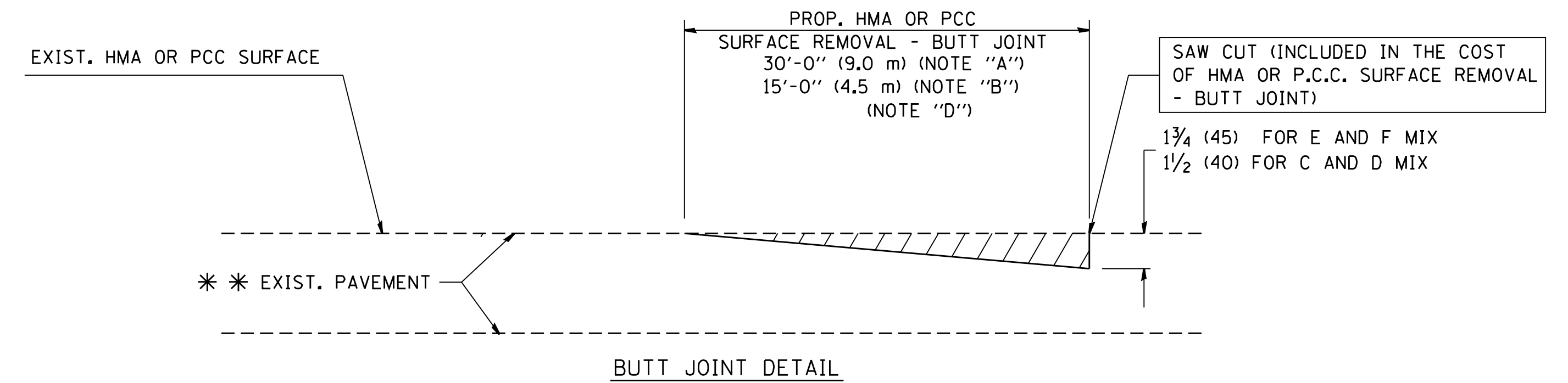


**OPTION 1**



**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

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

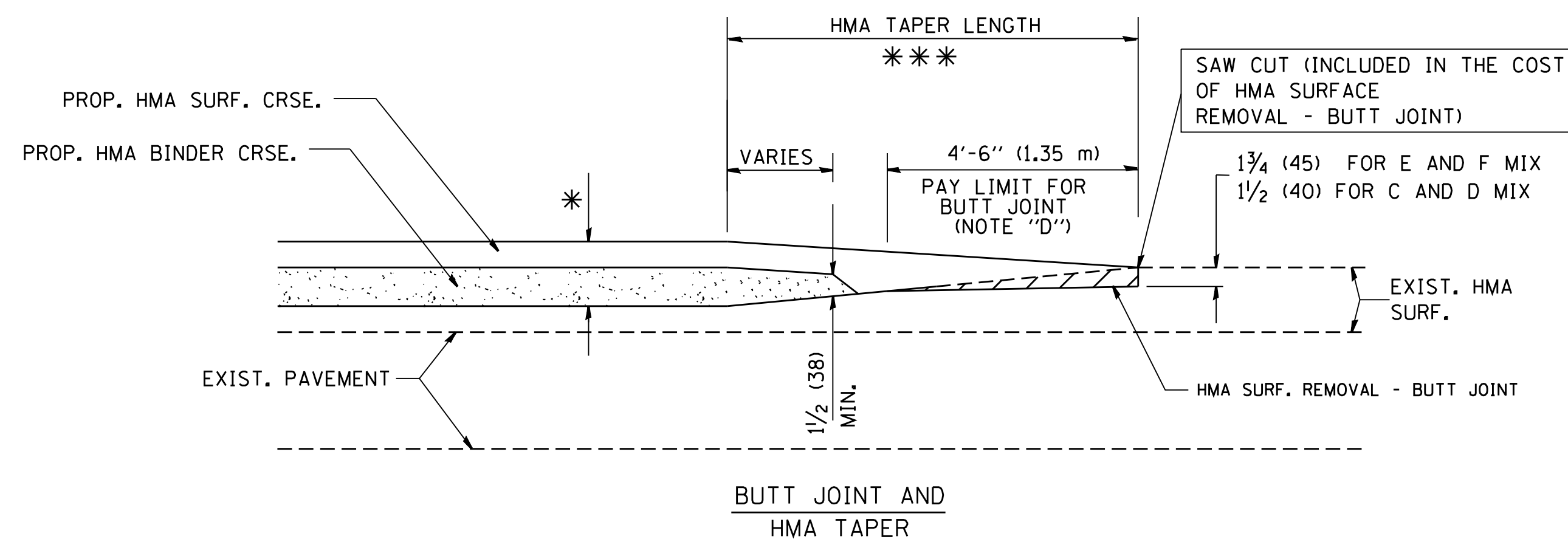
**NOTES**

- 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.



**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gajlonobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

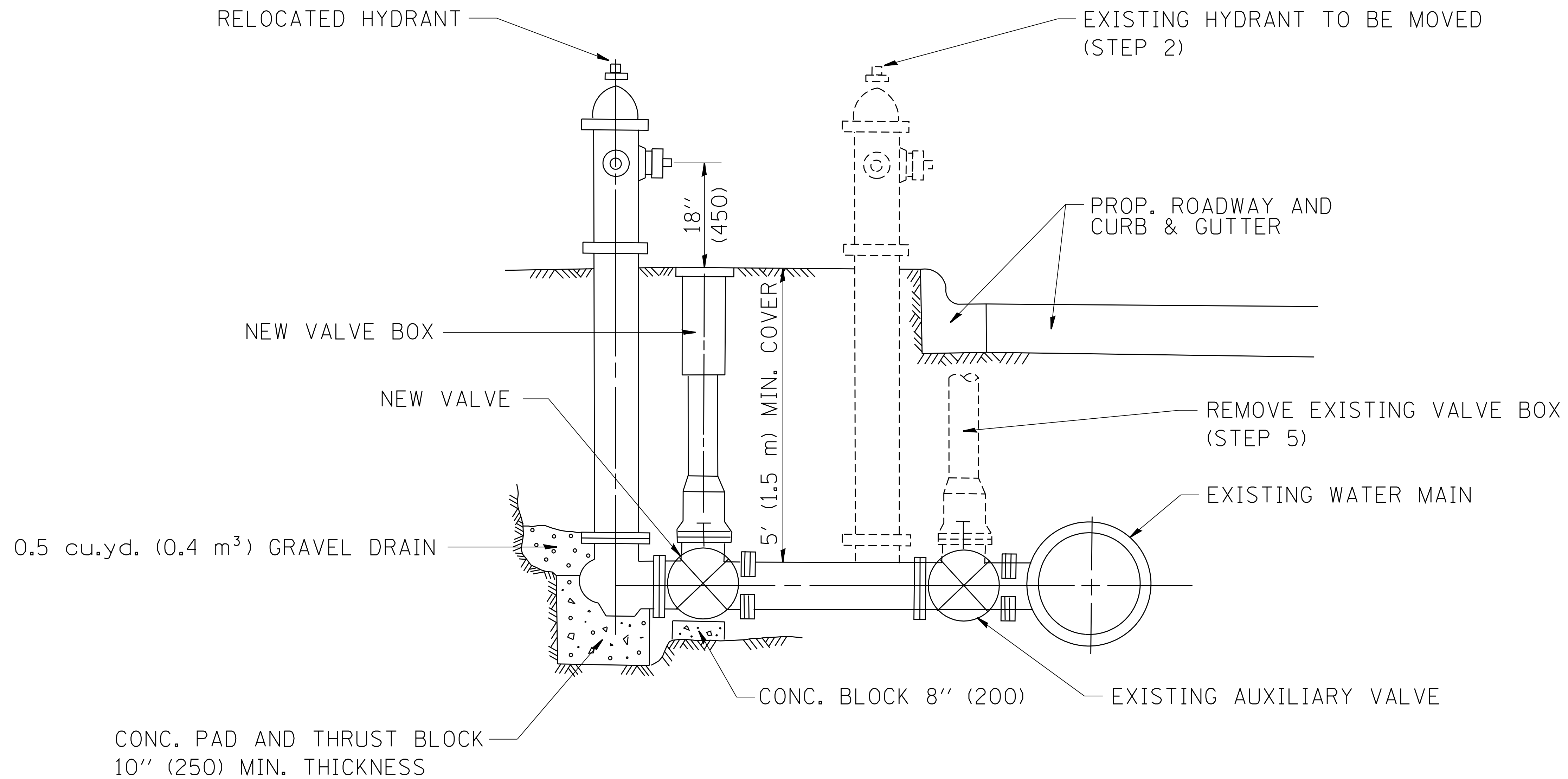
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND  
HMA TAPER DETAILS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	74
BD400-05 BD32			CONTRACT NO. 60L79	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





SEQUENCE OF CONSTRUCTION:

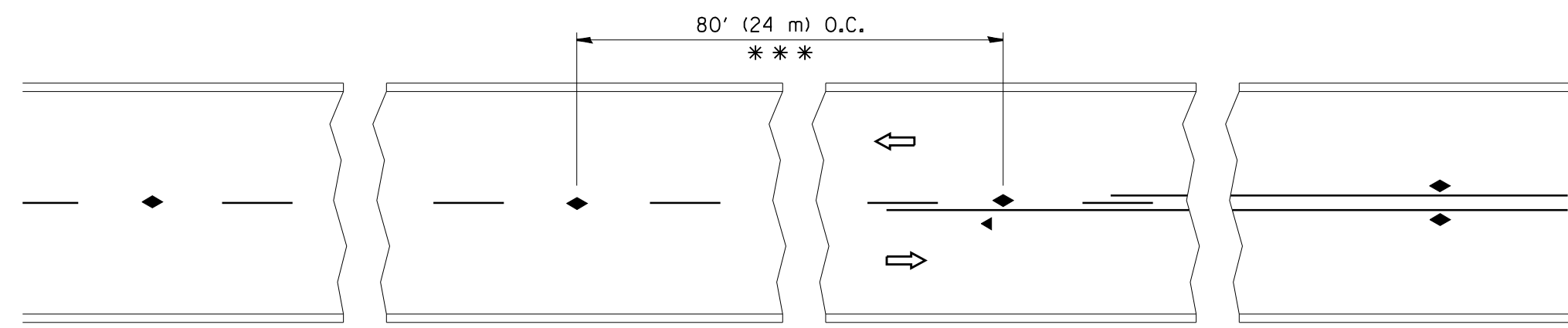
1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

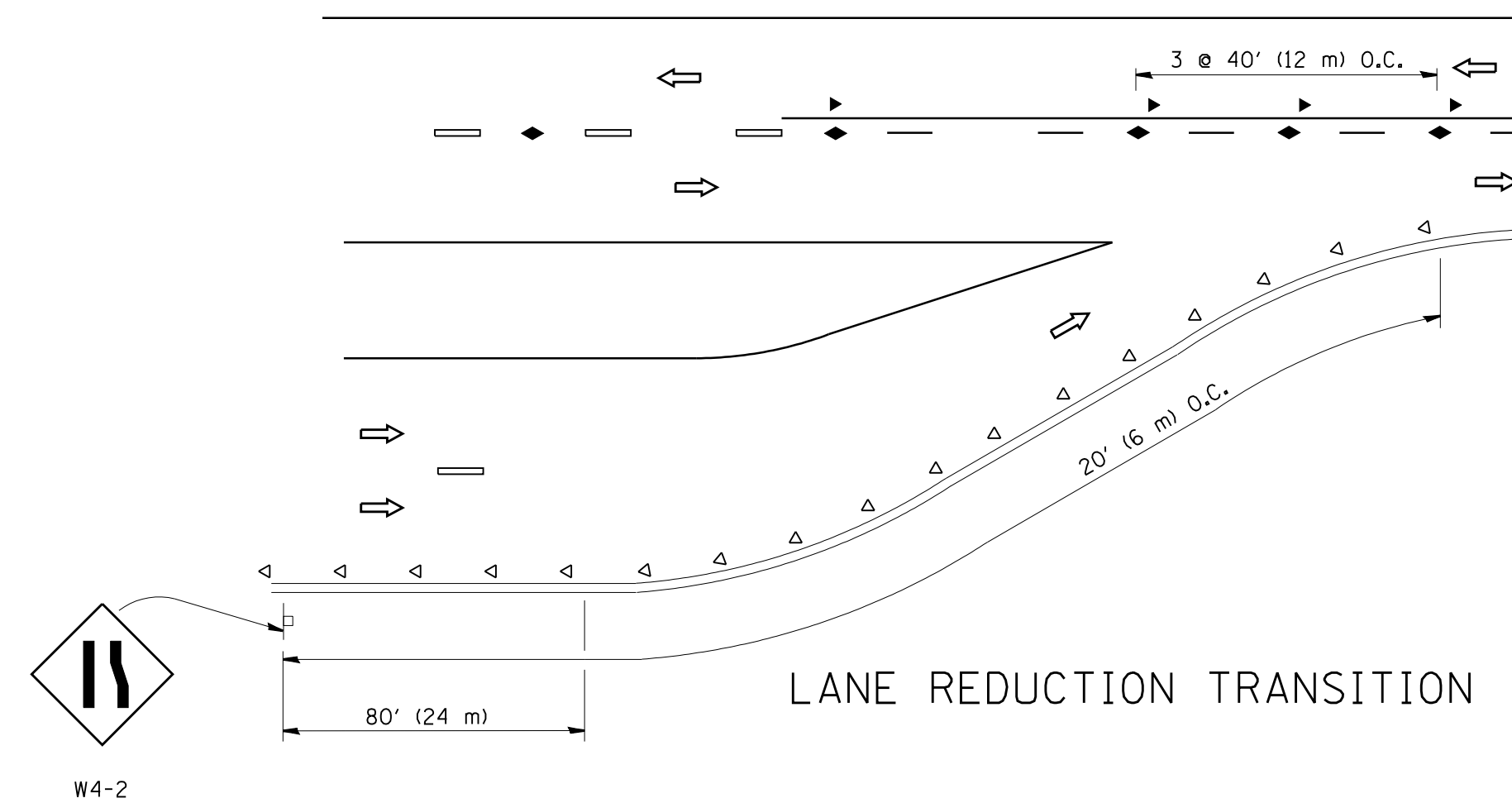
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\bd36.dgn	USER NAME = gajlonobt	DESIGNED -	REVISED - R. SHAH 09-09-94	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FIRE HYDRANT TO BE MOVED</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - R. SHAH 10-25-94					1587	3098-R	COOK	95	75
PLOT DATE = 1/4/2008	DATE -	CHECKED -	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	<b>BD-36</b>		CONTRACT NO. 60L79		
								FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

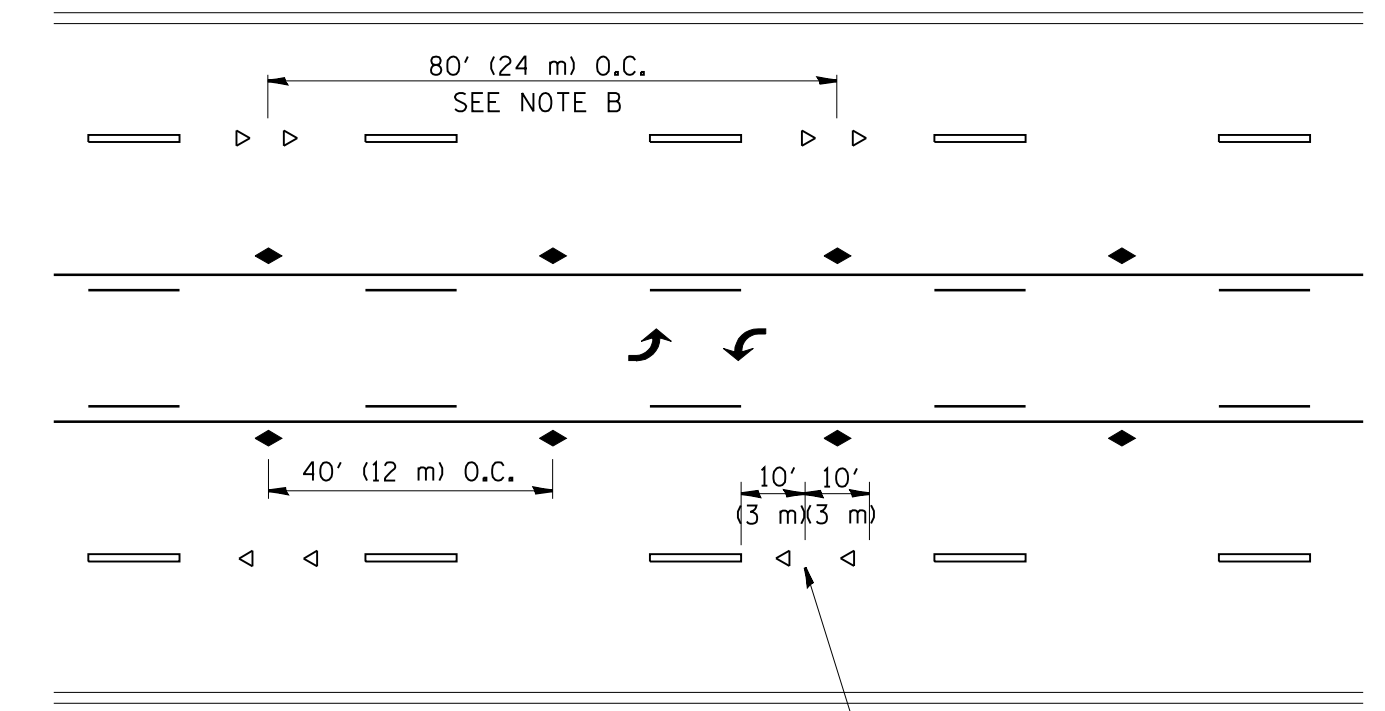


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

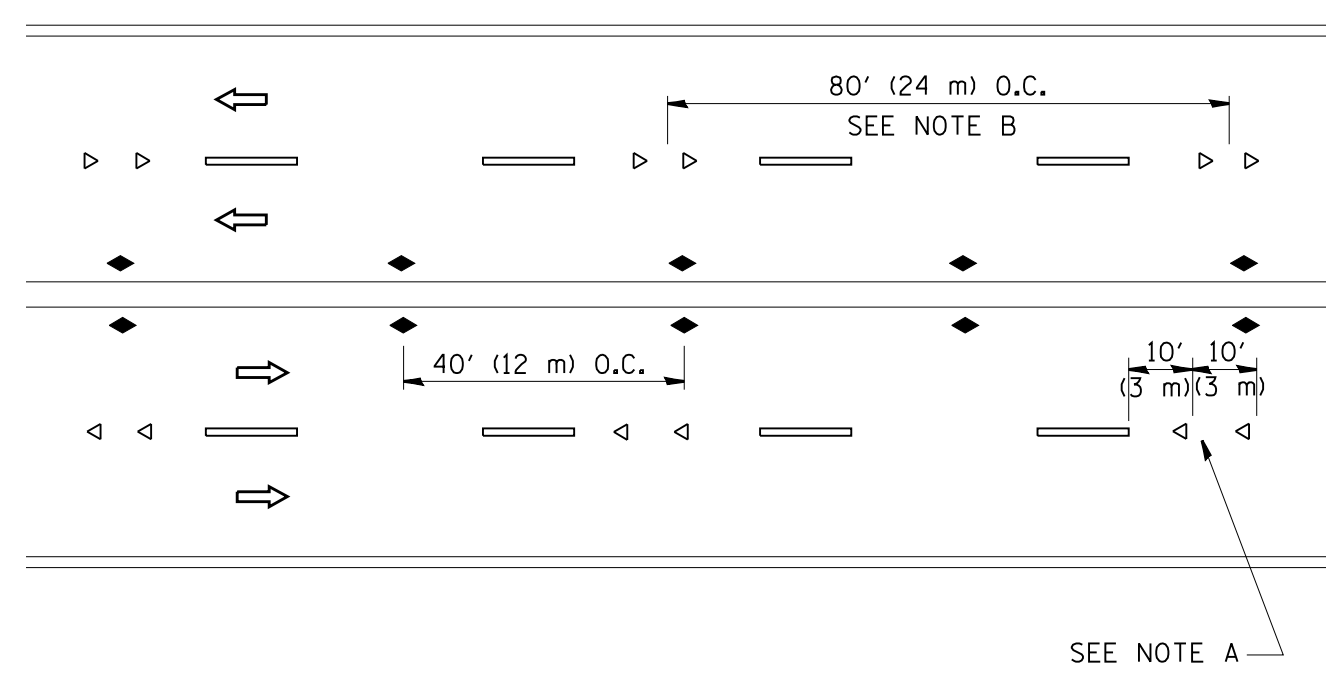
TWO-LANE/TWO-WAY



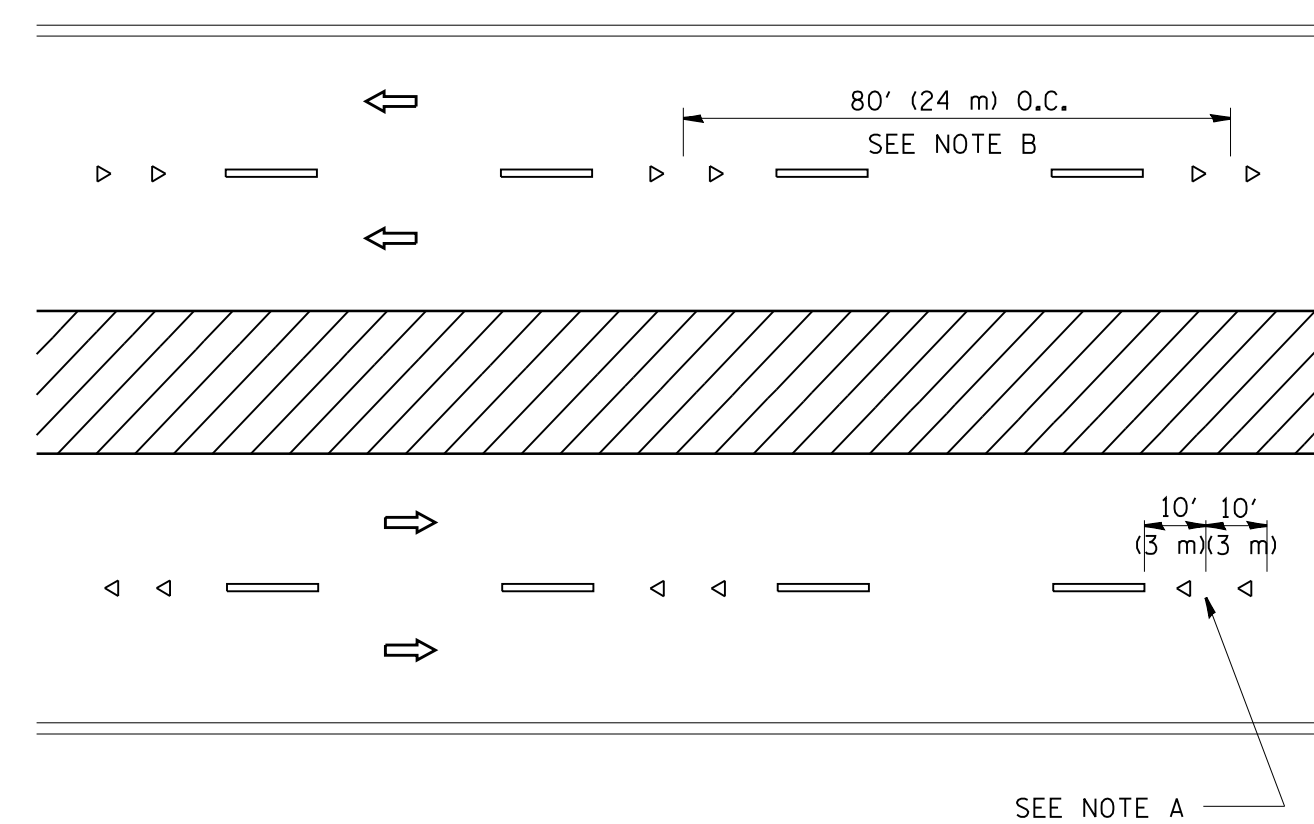
LANE REDUCTION TRANSITION



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

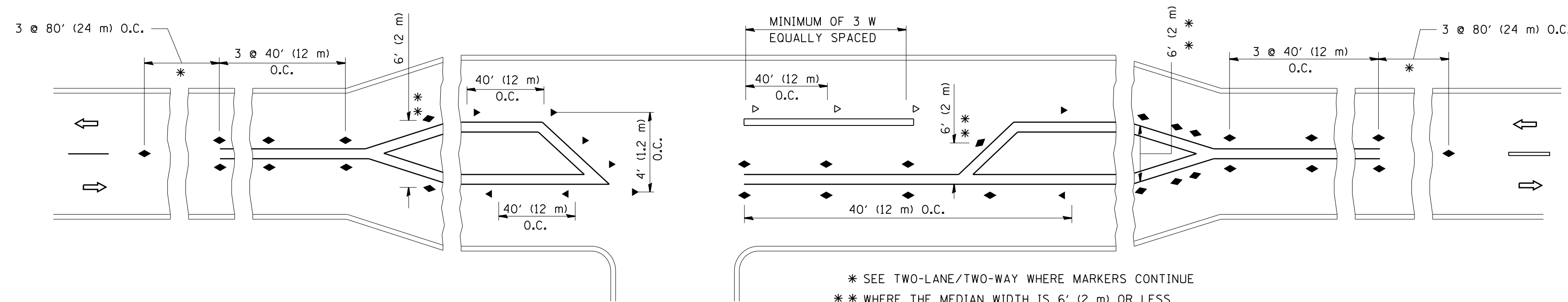
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- 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.

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 SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
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

\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

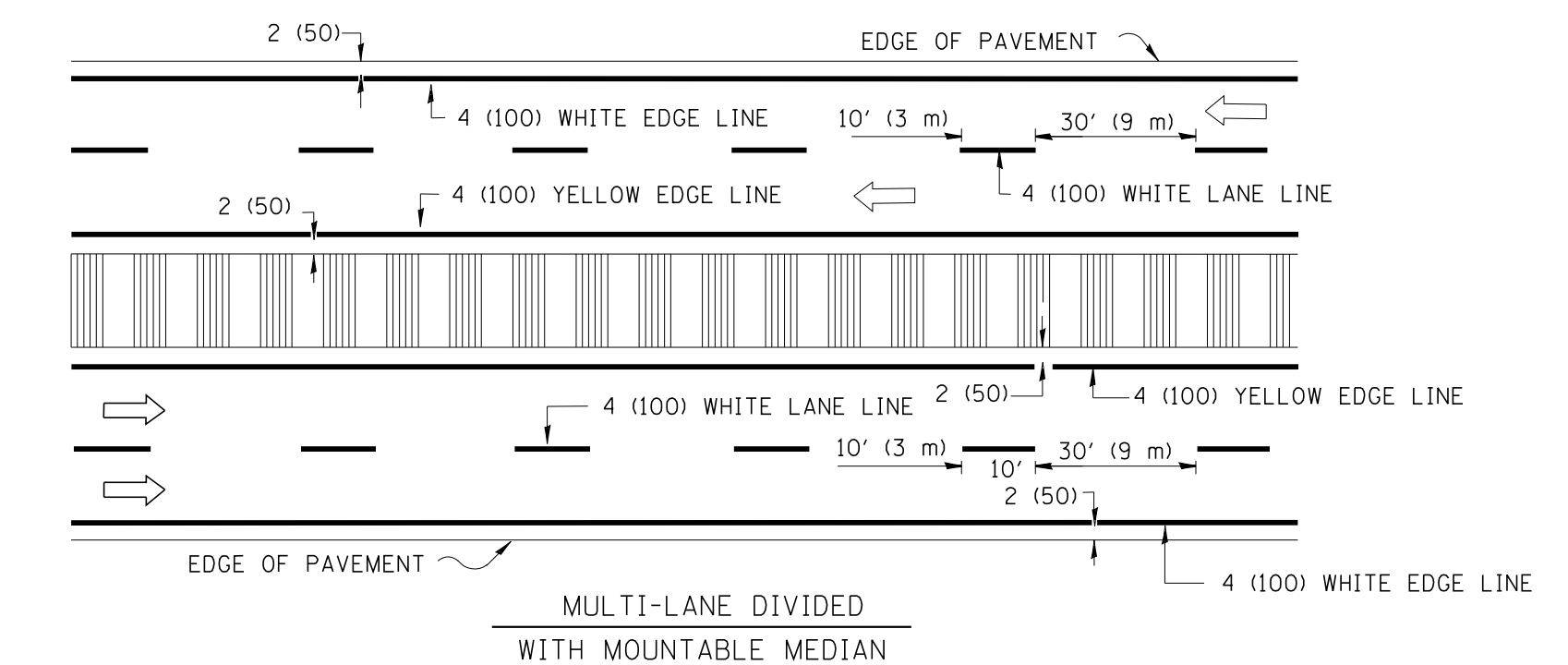
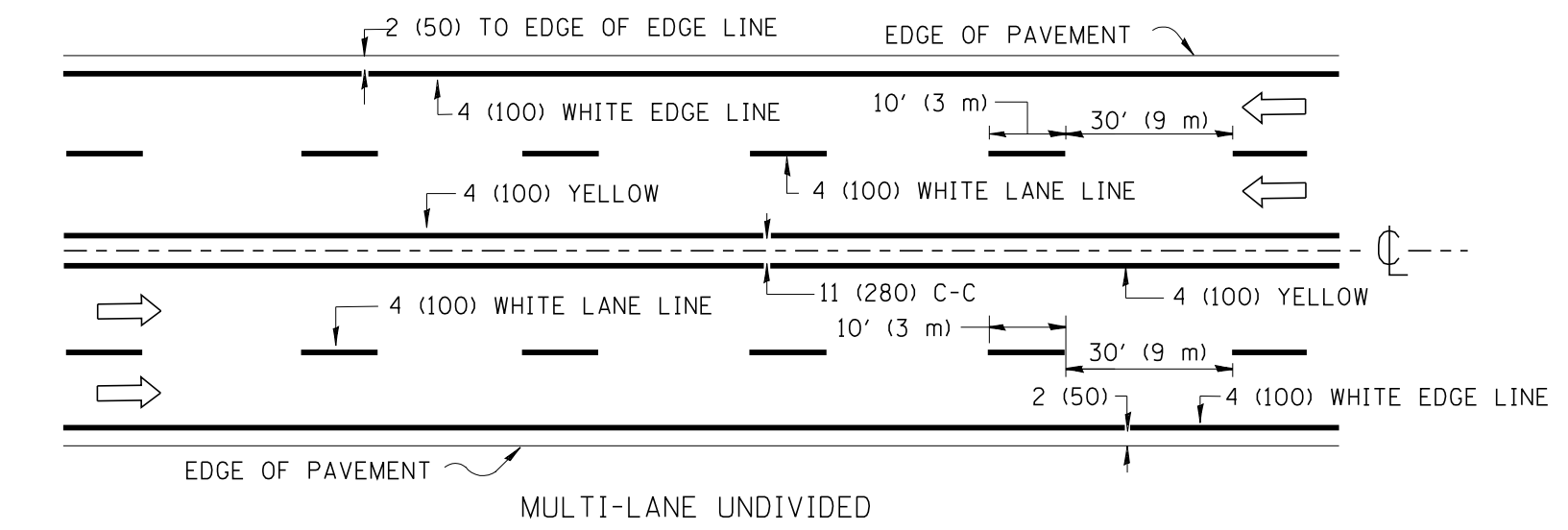
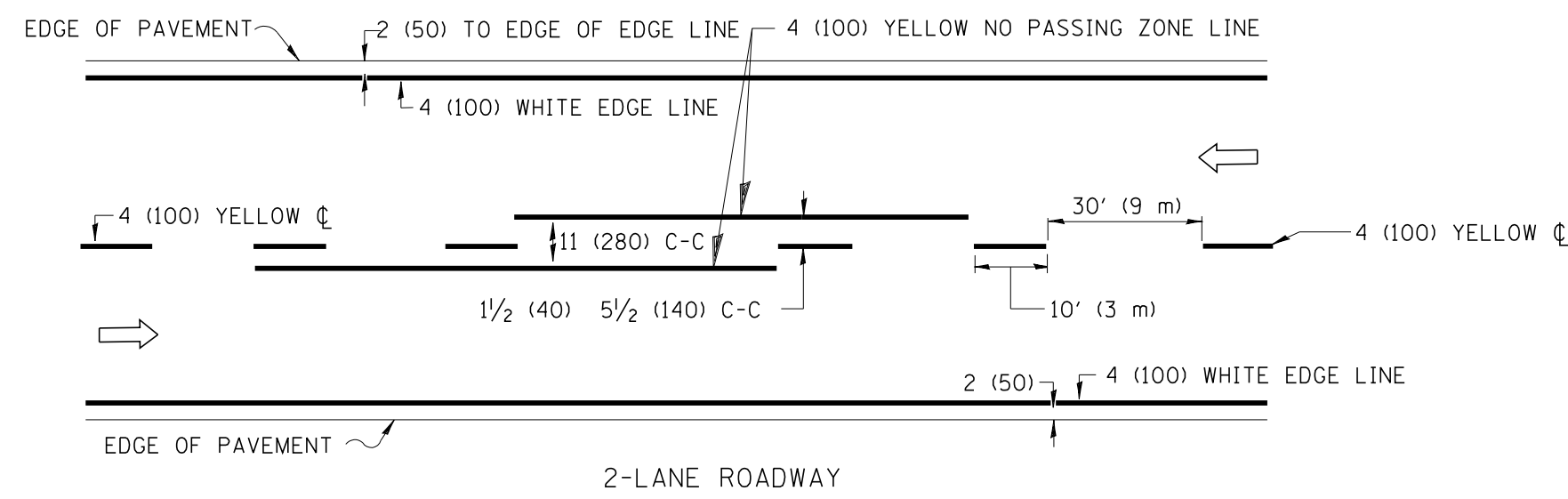
FILE NAME =	USER NAME = lrysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
et:\pw_work\pwidot\lrysa\d0108315\te11.dgn		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

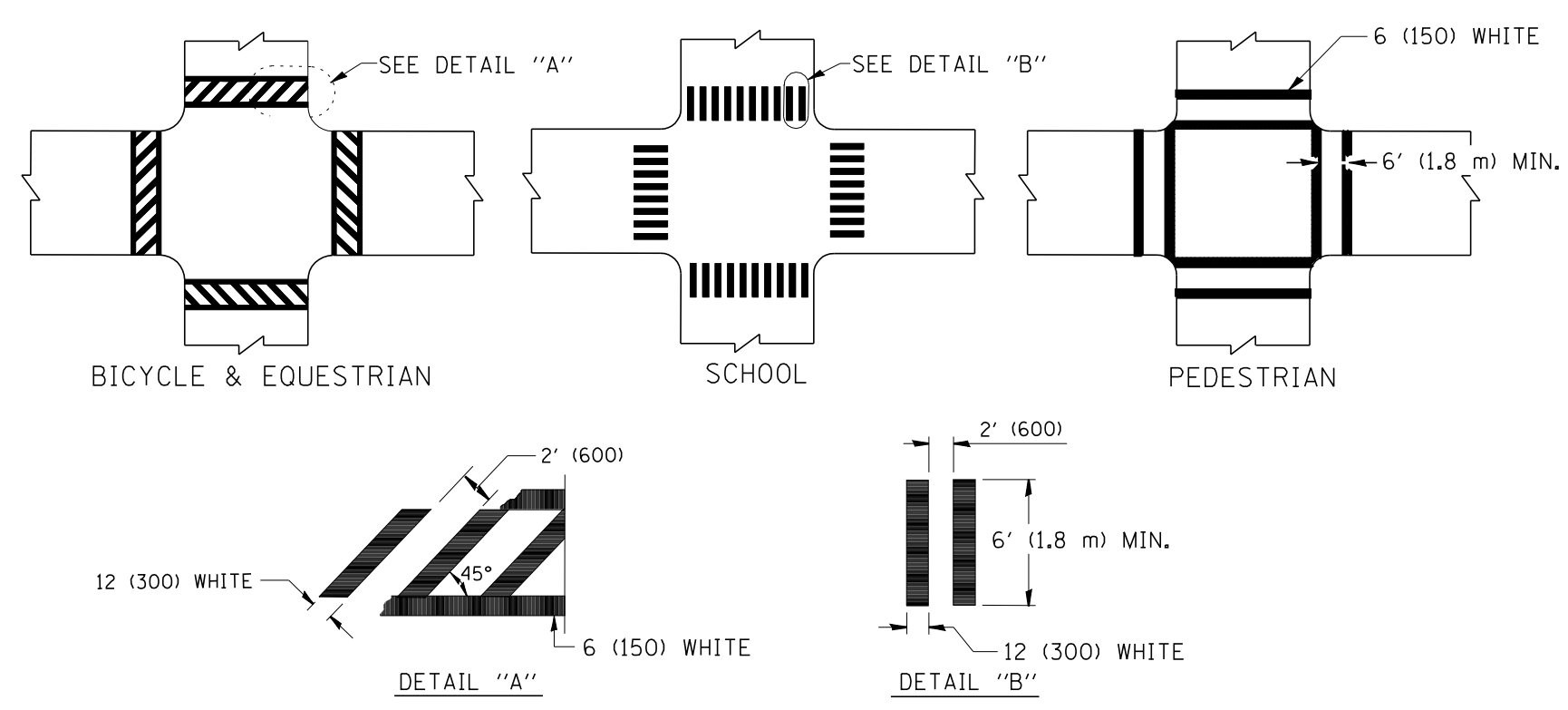
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	76
TC-11			CONTRACT NO. 60L79	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



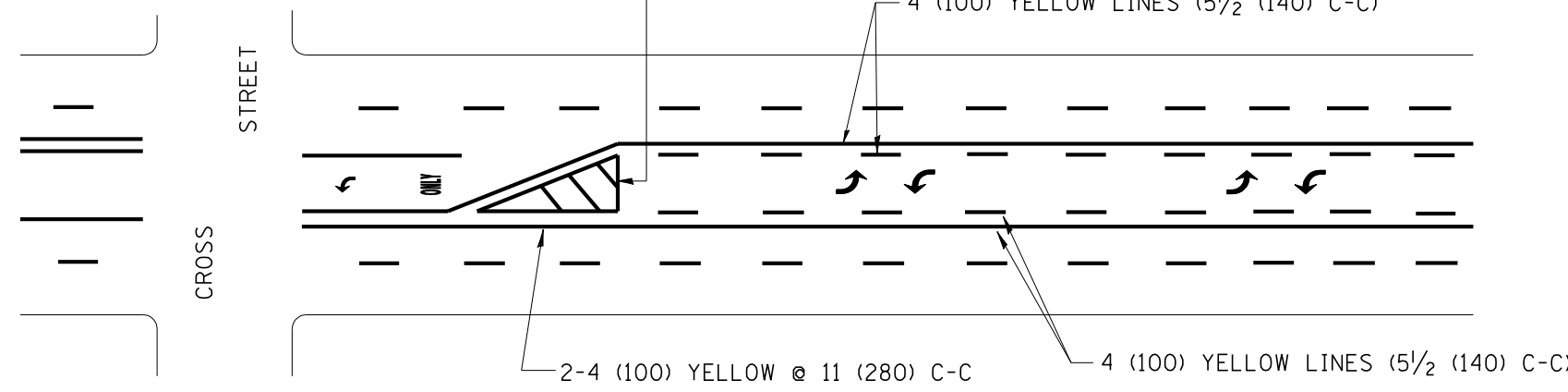
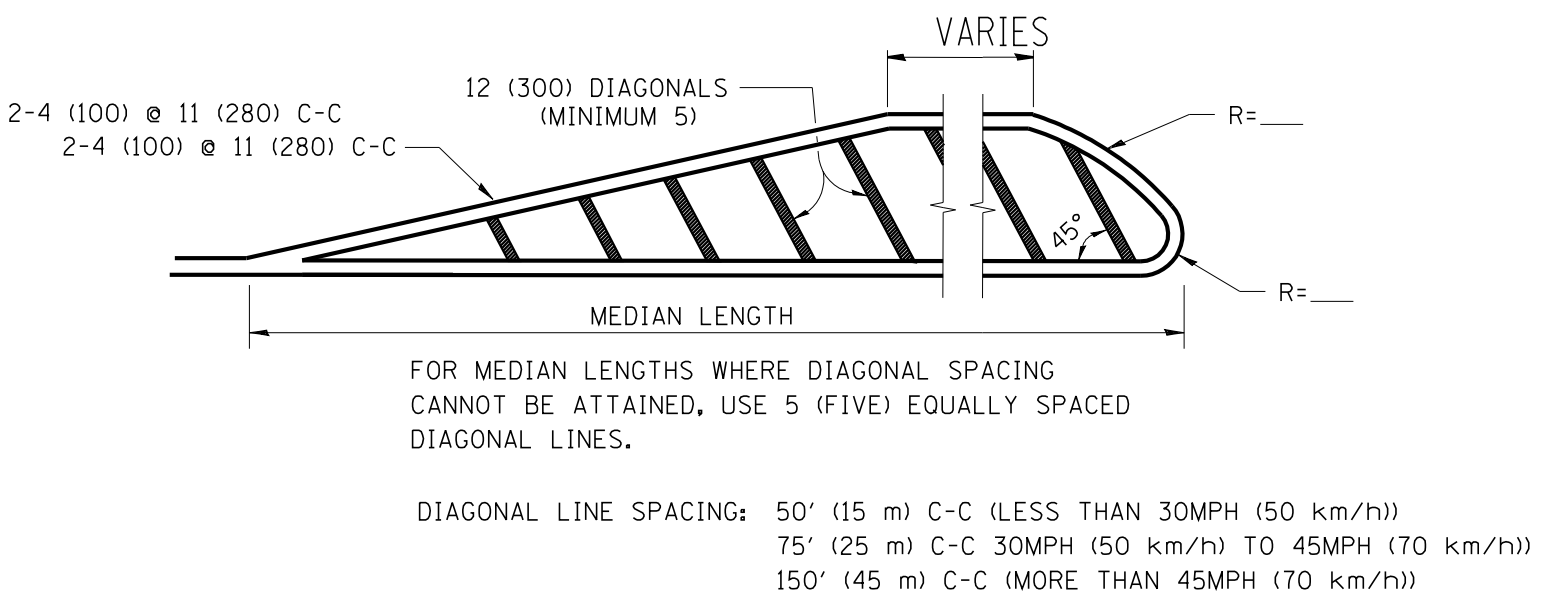
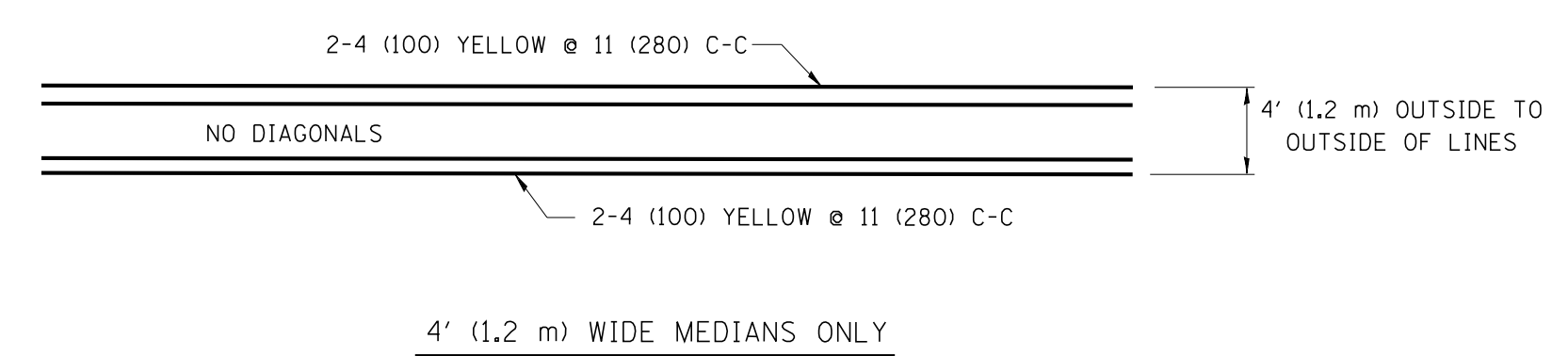


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

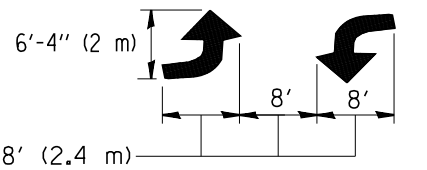
TYPICAL LANE AND EDGE LINE MARKING



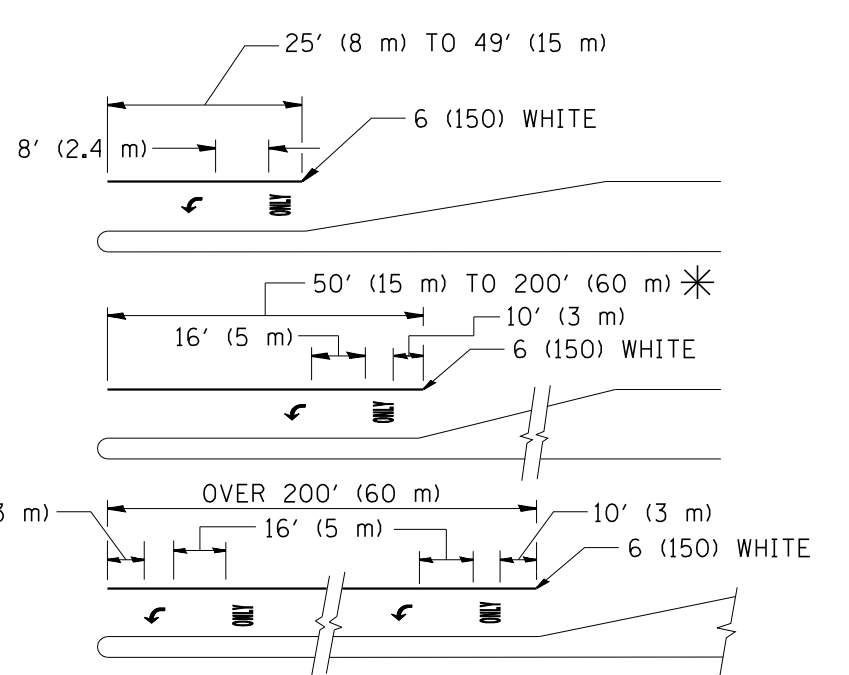
TYPICAL CROSSWALK MARKING



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



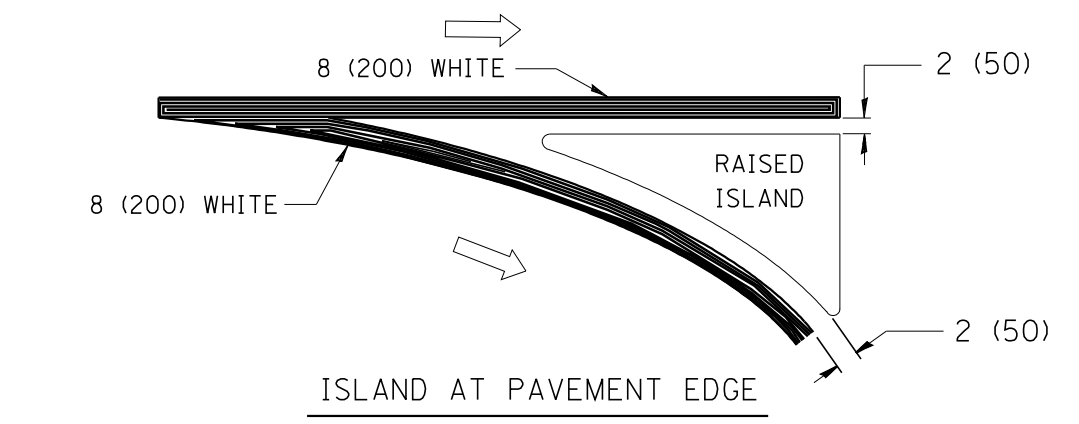
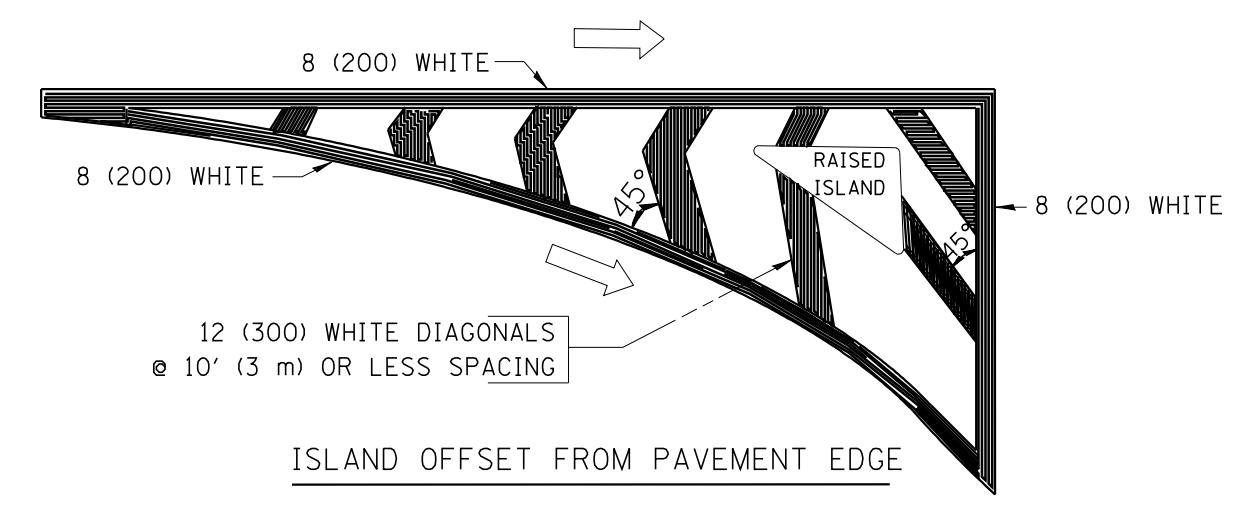
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>) \* 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" 15 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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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.

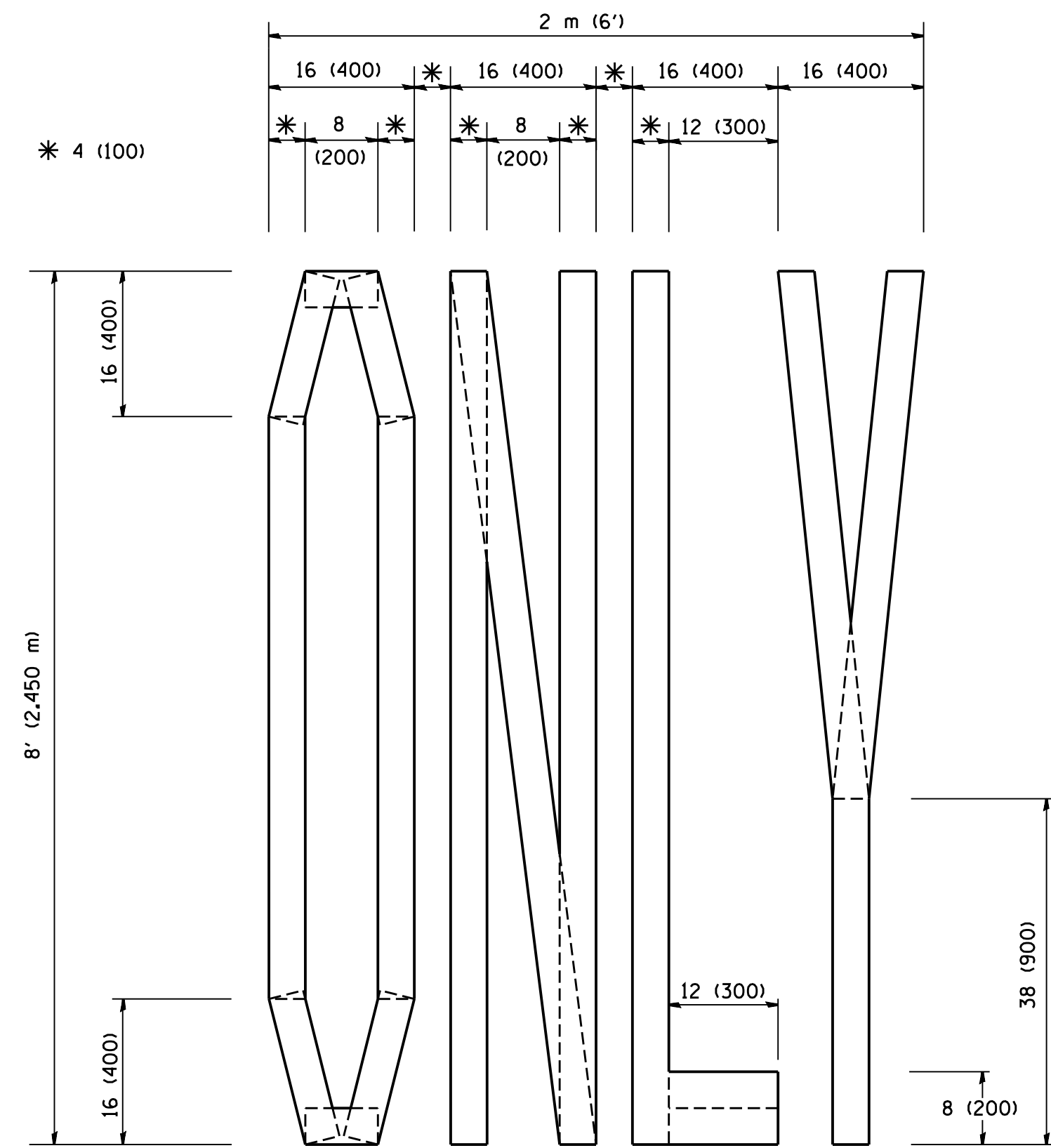
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = c:\pw_work\p\dot\drivakosgn\d0108315\td	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

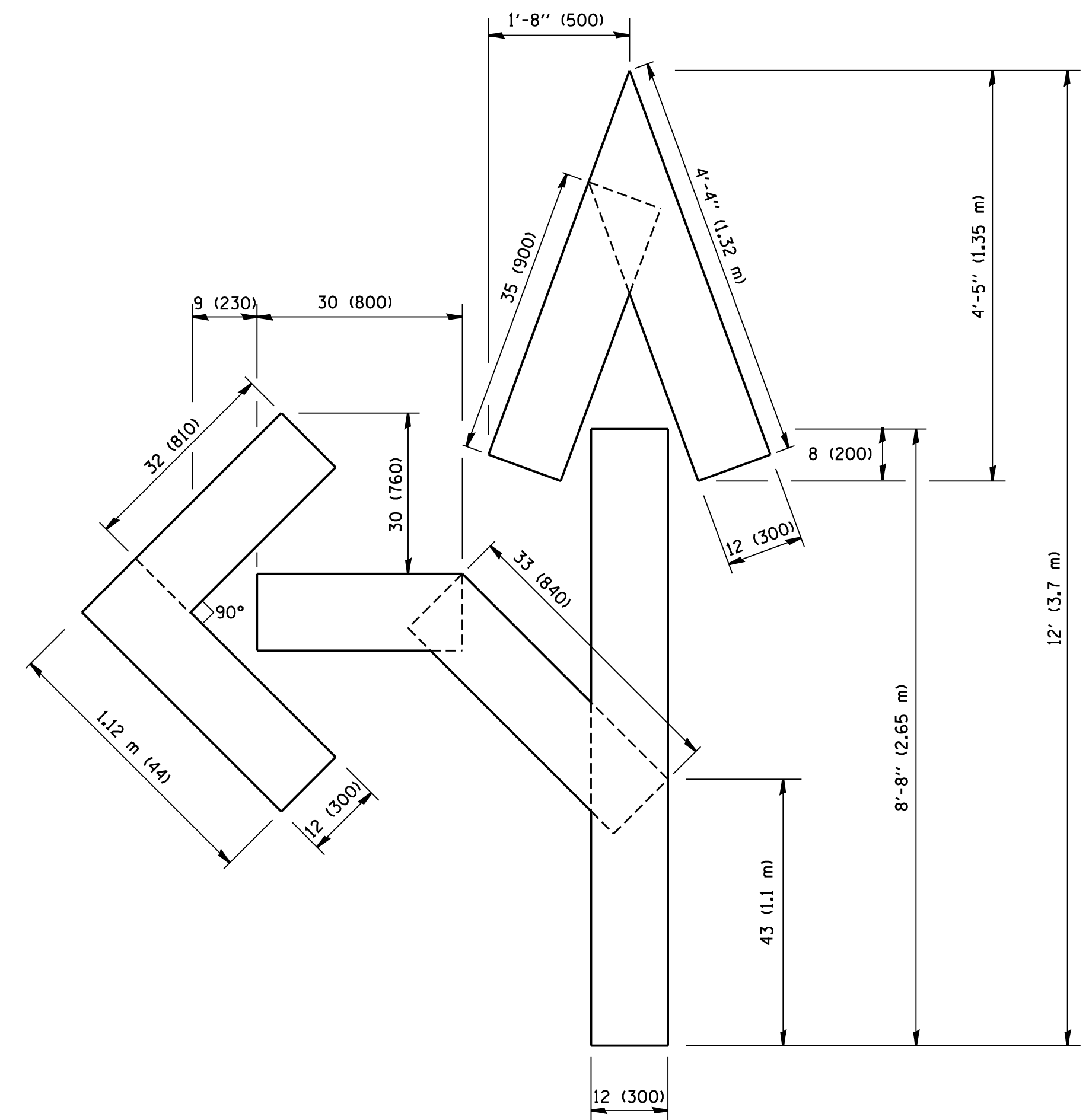
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

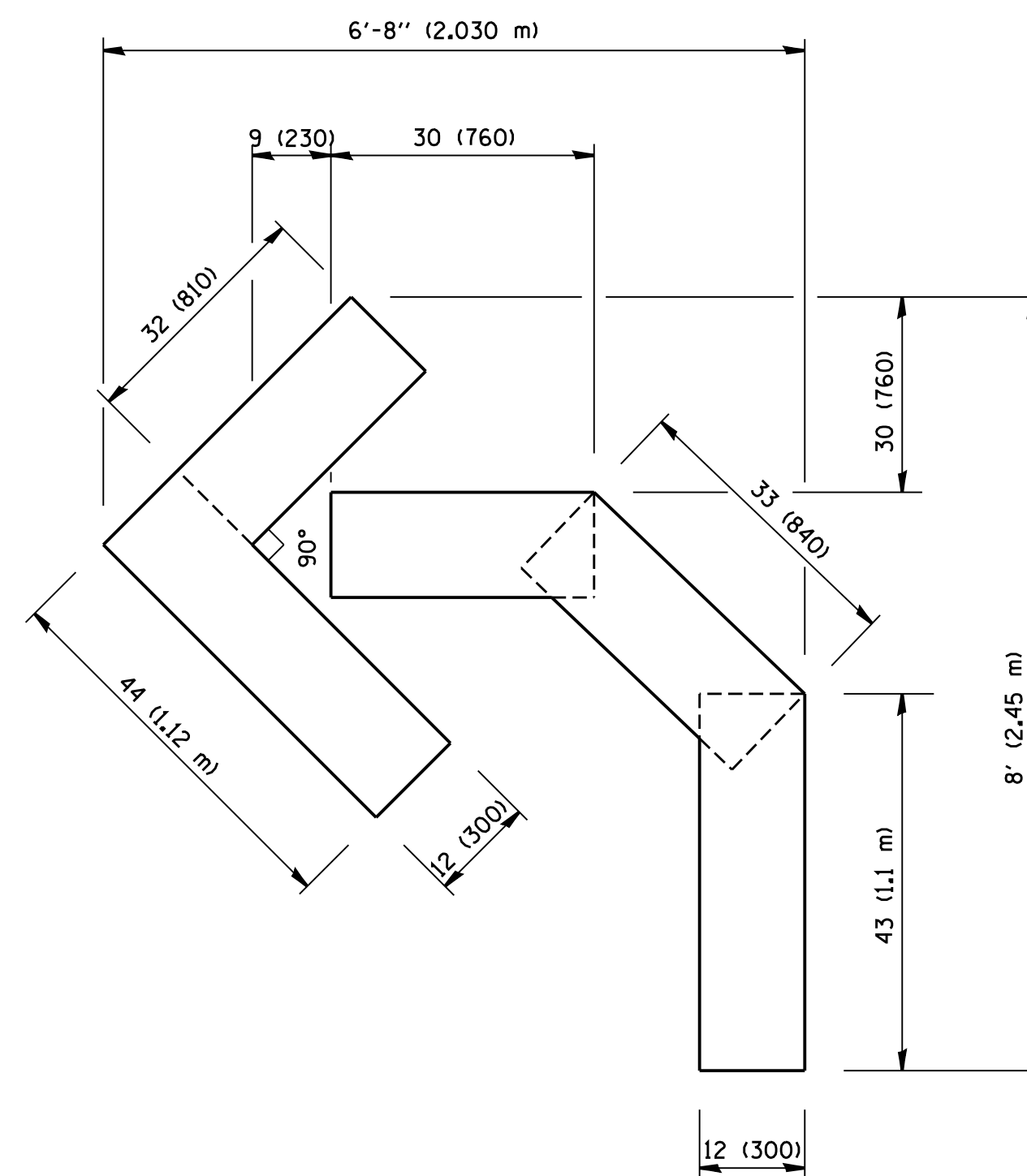
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	77
TC-13		CONTRACT NO. 60L79		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

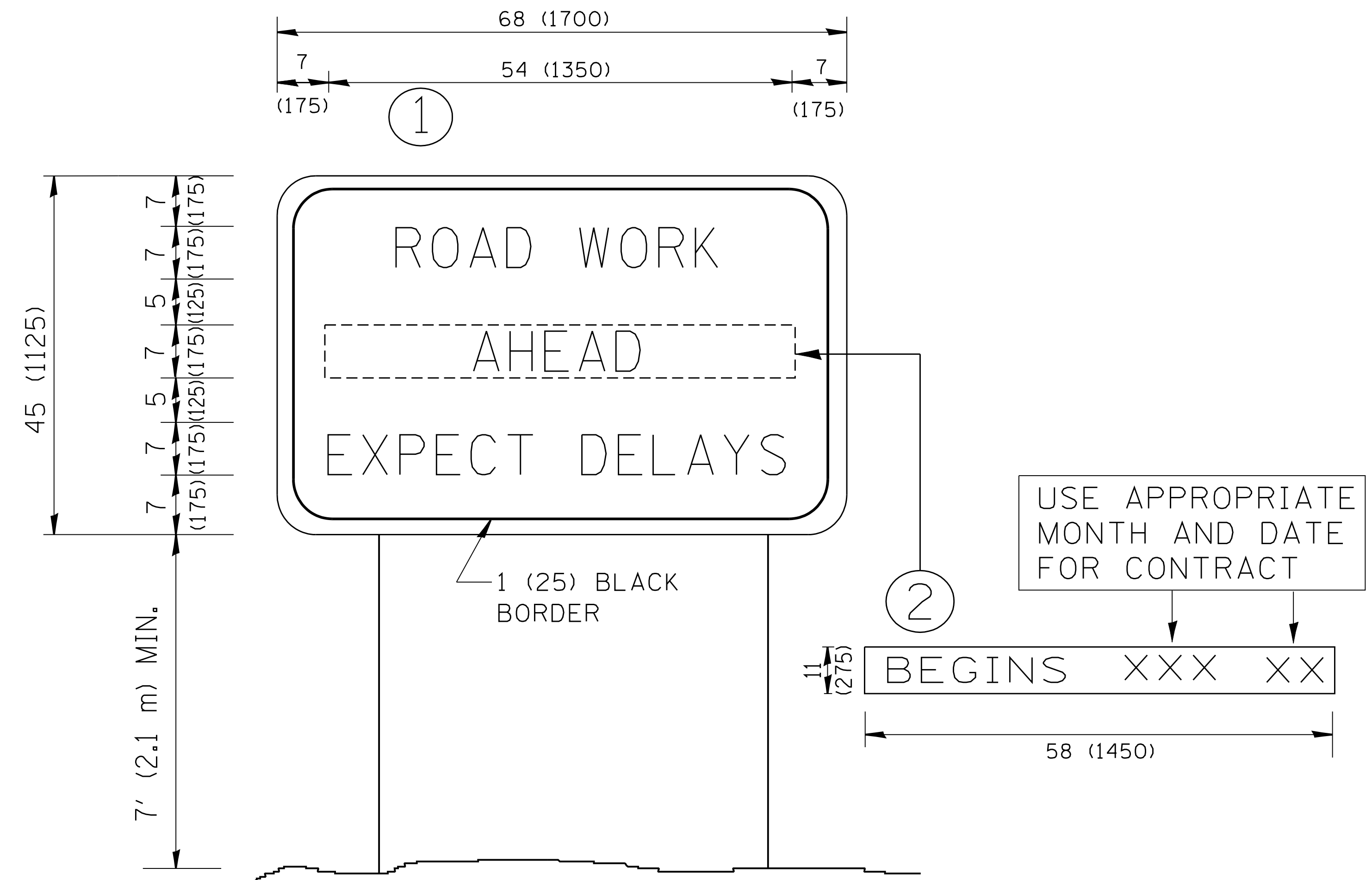
FILE NAME = W:\diststd\22x34\tc16.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING LETTERS AND SYMBOLS  
 FOR TRAFFIC STAGING**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	78
TC-16		CONTRACT NO. 60L79		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

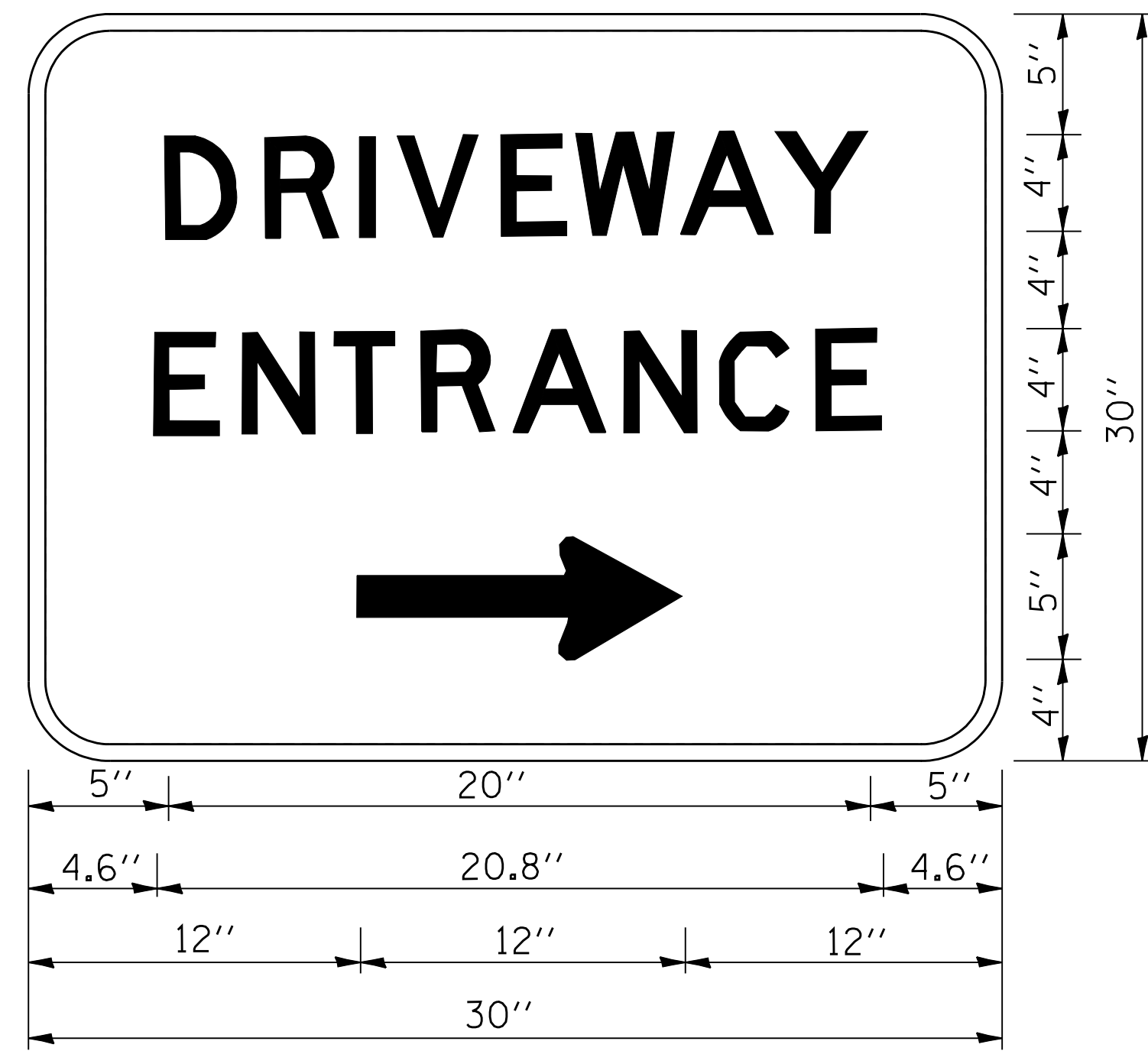
FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISED - REVISED -
		DESIGNED - CHECKED -	REVISED - REVISED -
		DESIGNED - DATE -	REVISED - REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 79
TC-22			CONTRACT NO. 60L79	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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".

FILE NAME = W:\diststd\22x34\tc26.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
		DRAWN -	REVISED -
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

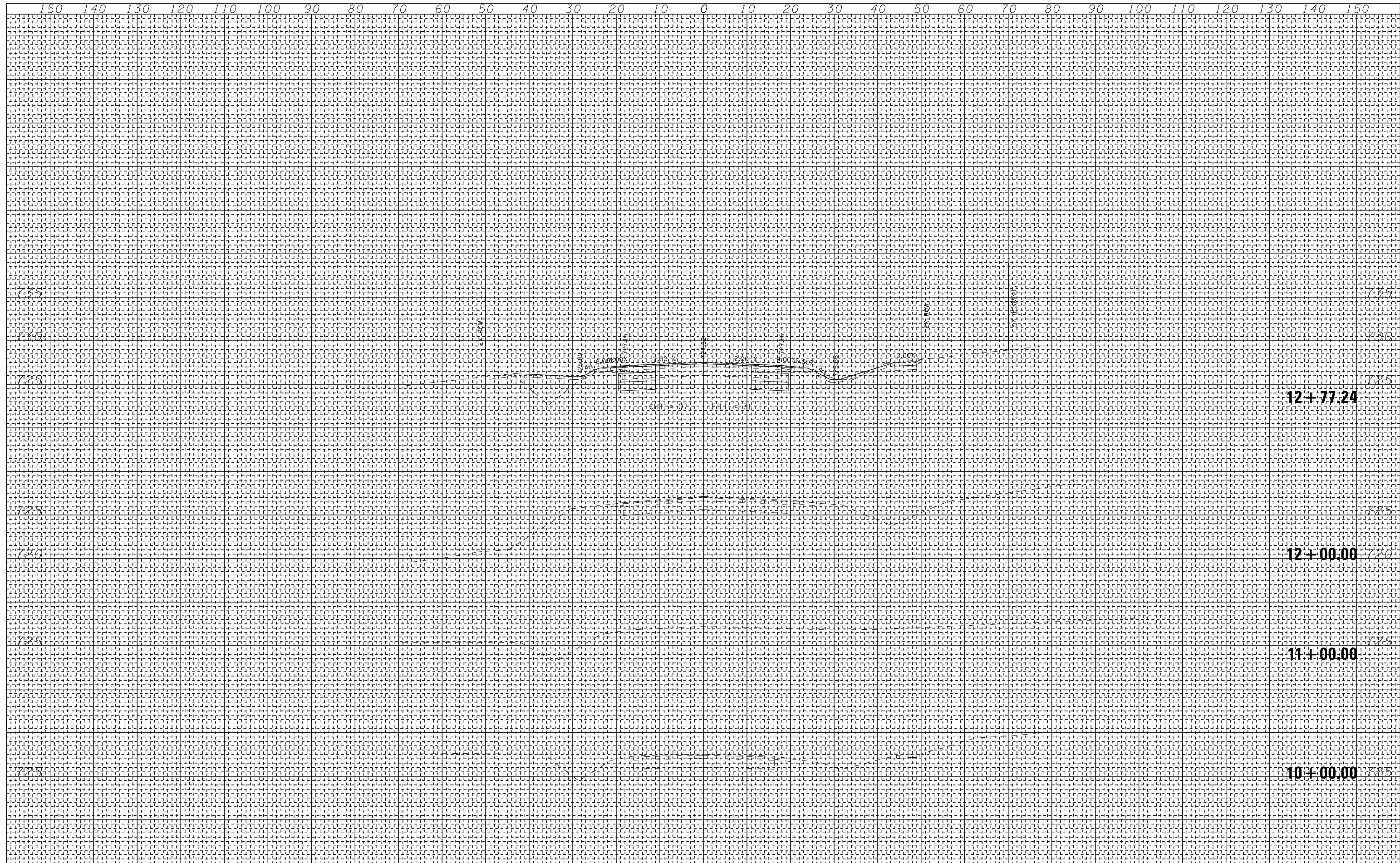
SCALE: NONE    SHEET NO. 1 OF 1 SHEETS    STA.    TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	80
<b>TC-26</b>			<b>CONTRACT NO. 60L79</b>	
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

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

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

FILE NAME =  
\*FILEL\*



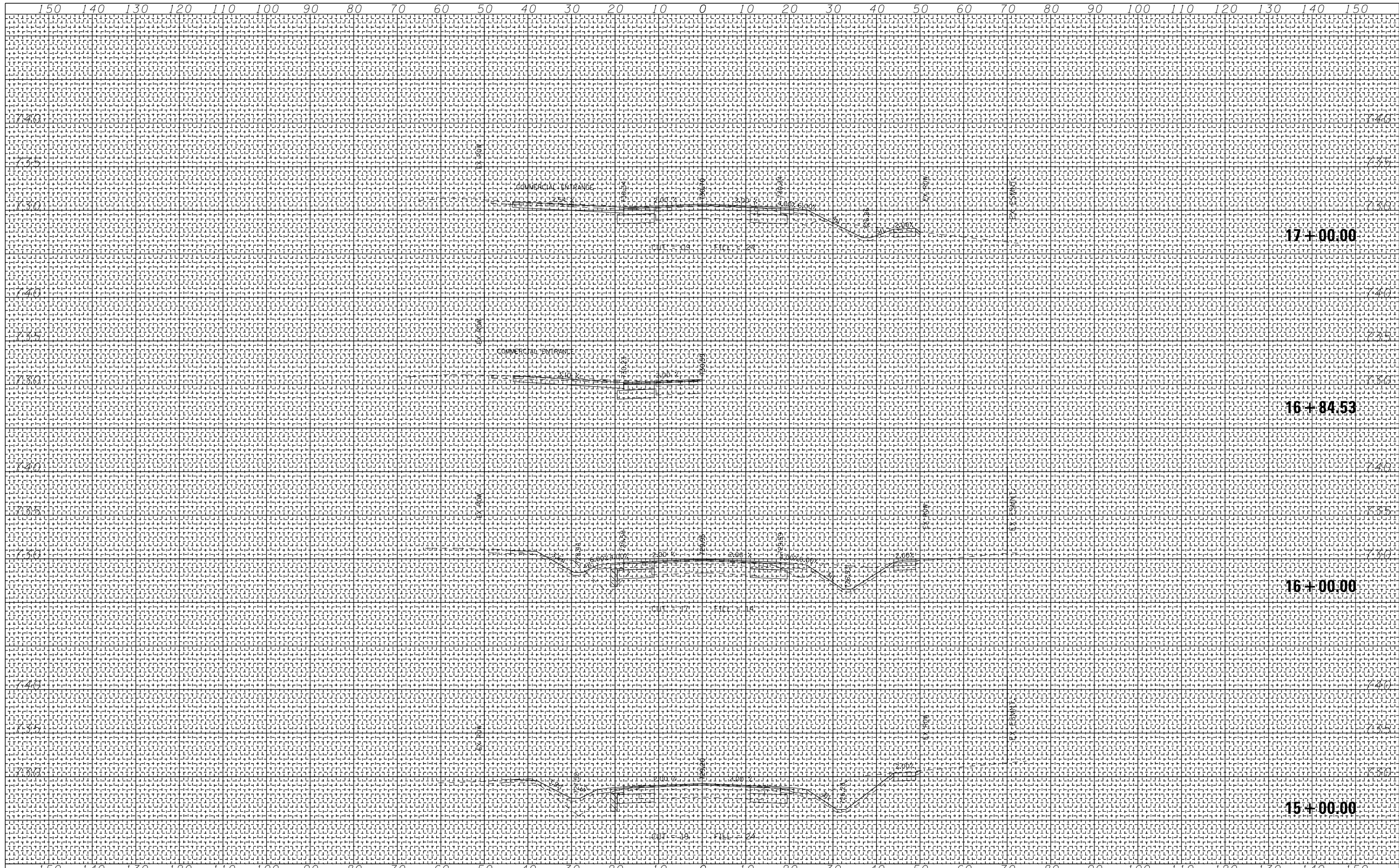
150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150									
USER NAME = rgo11 DESIGNED - PWK DRAWN - ERD CHECKED - KDF DATE - PLOT SCALE = 20.0000' / in. PLOT DATE = 10/19/2012																<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> SCALE: 10H 5:V										<b>CROSS-SECTIONS</b> <b>McCARTHY ROAD</b> SHEET NO. OF SHEETS STA. 10+00.00 TO STA. 12+77.24										F.A.U. R.T.E. 1587 SECTION 3098-R COUNTY COOK TOTAL SHEETS 95 SHEET NO. 81 ILLINOIS FED. AID PROJECT CONTRACT NO. 60L79			



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

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

FILE NAME =  
\*FILEL\*



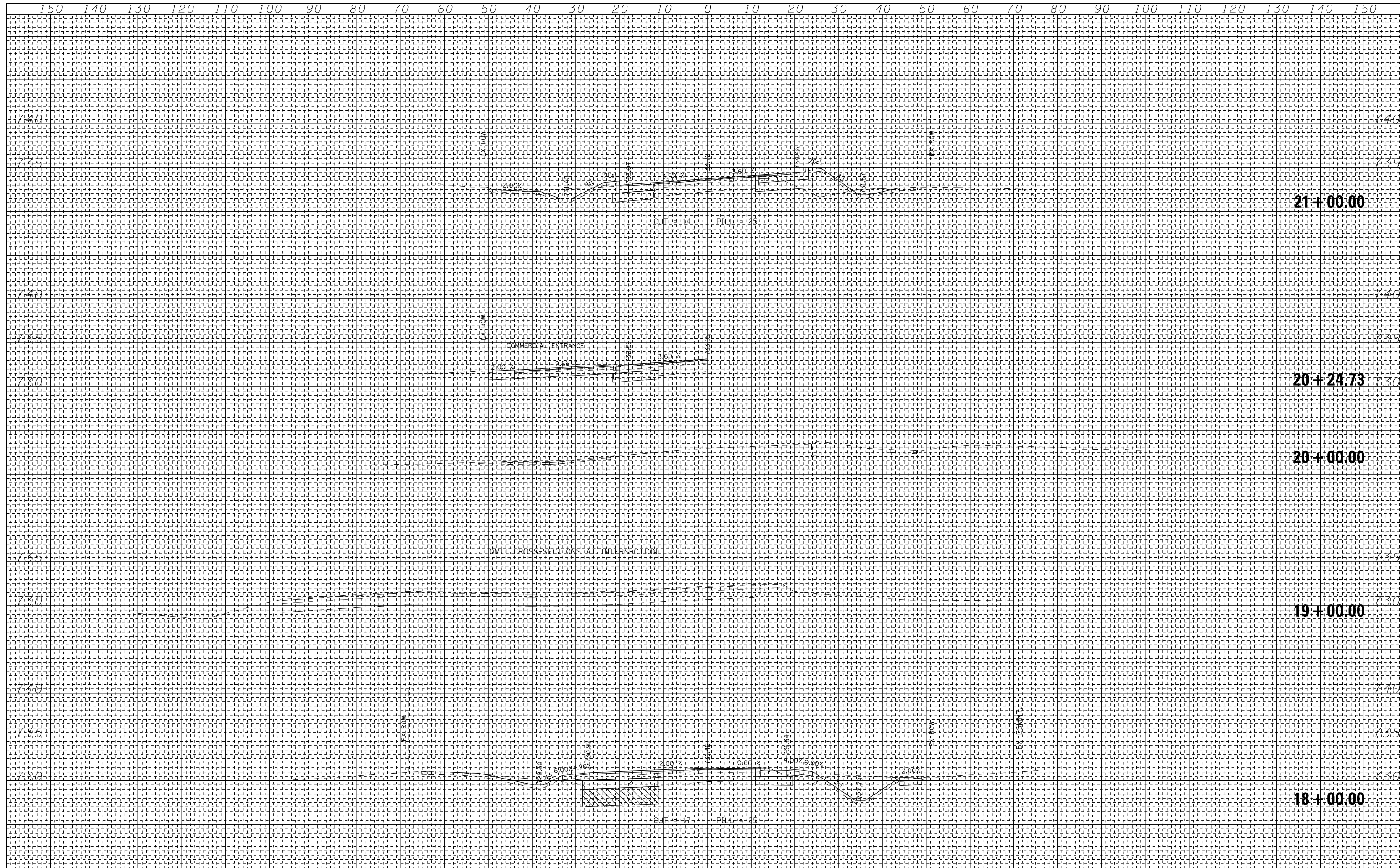
USER NAME = rgo11	DESIGNED - PWK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS-SECTIONS</b> <b>McCARTHY ROAD</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - ERD	REVISED -		1587	3098-R	COOK	95	83			
PLOT DATE = 10/19/2012	CHECKED - KDF	REVISED -		CONTRACT NO. 60L79							
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: 10H 5V	SHEET NO.	OF	SHEETS	STA. 15+00.00	TO STA. 17+00.00		



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

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

FILE NAME =  
\*FILEL\*

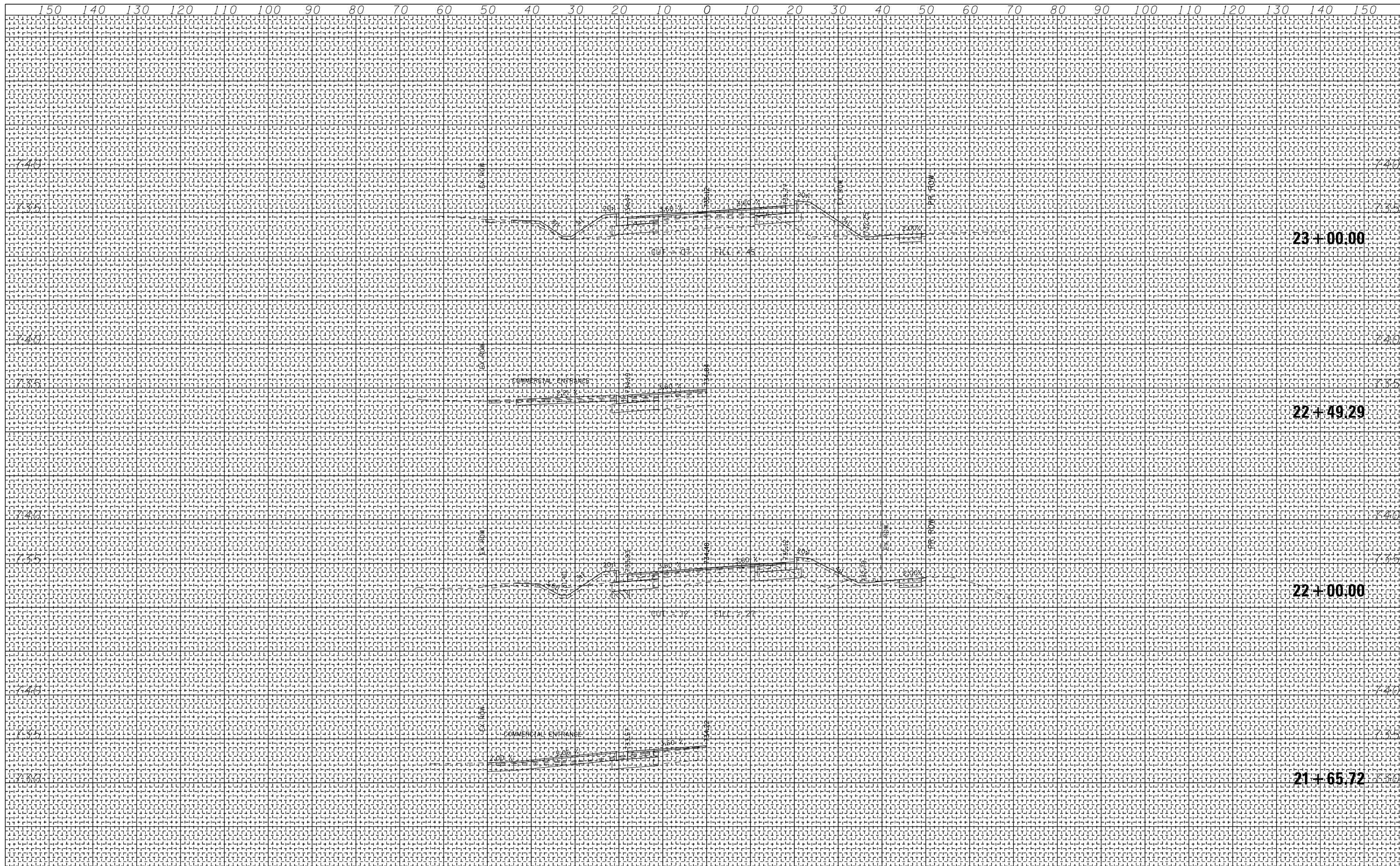


USER NAME = rgo11	DESIGNED - PWK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS-SECTIONS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - ERD	REVISED -		1587	3098-R	COOK	95	84			
PLOT DATE = 10/19/2012	CHECKED - KDF	REVISED -		SCALE: 10H 5:V			CONTRACT NO. 60L79				
	DATE -	REVISED -		SHEET NO.	OF	SHEETS	STA. 18+00.00	TO STA. 21+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

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

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

FILE NAME =  
\*FILEL\*



USER NAME = rgo11	DESIGNED - PWK	REVISED -	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - ERD	REVISED -	1587	3098-R	COOK	95	85
PLOT DATE = 10/19/2012	CHECKED - KDF	REVISED -	CONTRACT NO. 60L79				
	DATE -	REVISED -	ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

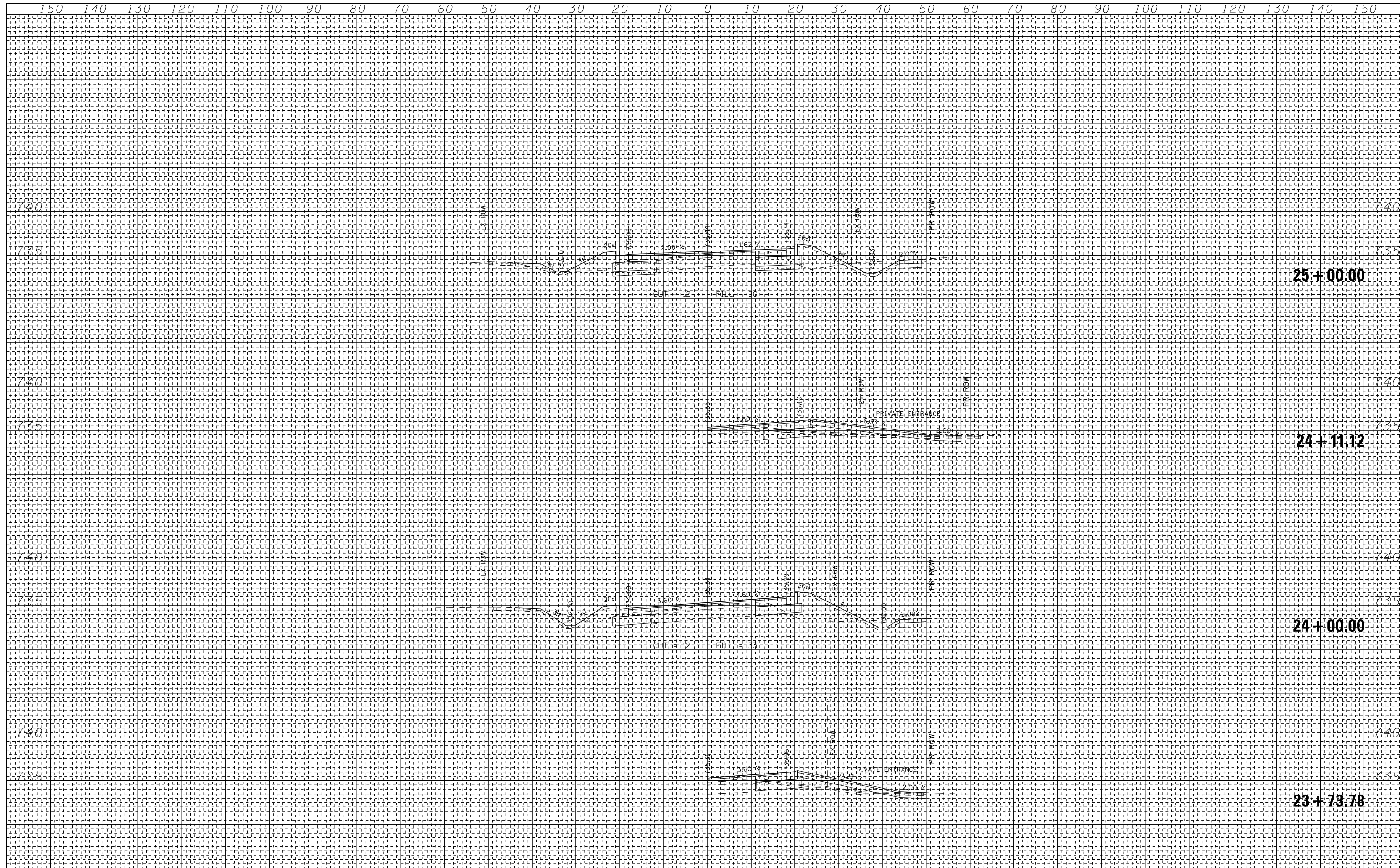
CROSS-SECTIONS  
McCARTHY ROAD

SCALE: 10H 5V SHEET NO. OF SHEETS STA. 21+65.72 TO STA. 23+00.00

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

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

FILE NAME =  
\*FILEL\*



USER NAME = rgo11	DESIGNED - PWK	REVISED -
	DRAWN - ERD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -
PLOT DATE = 10/19/2012	DATE -	REVISED -

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

**CROSS-SECTIONS**  
**McCARTHY ROAD**

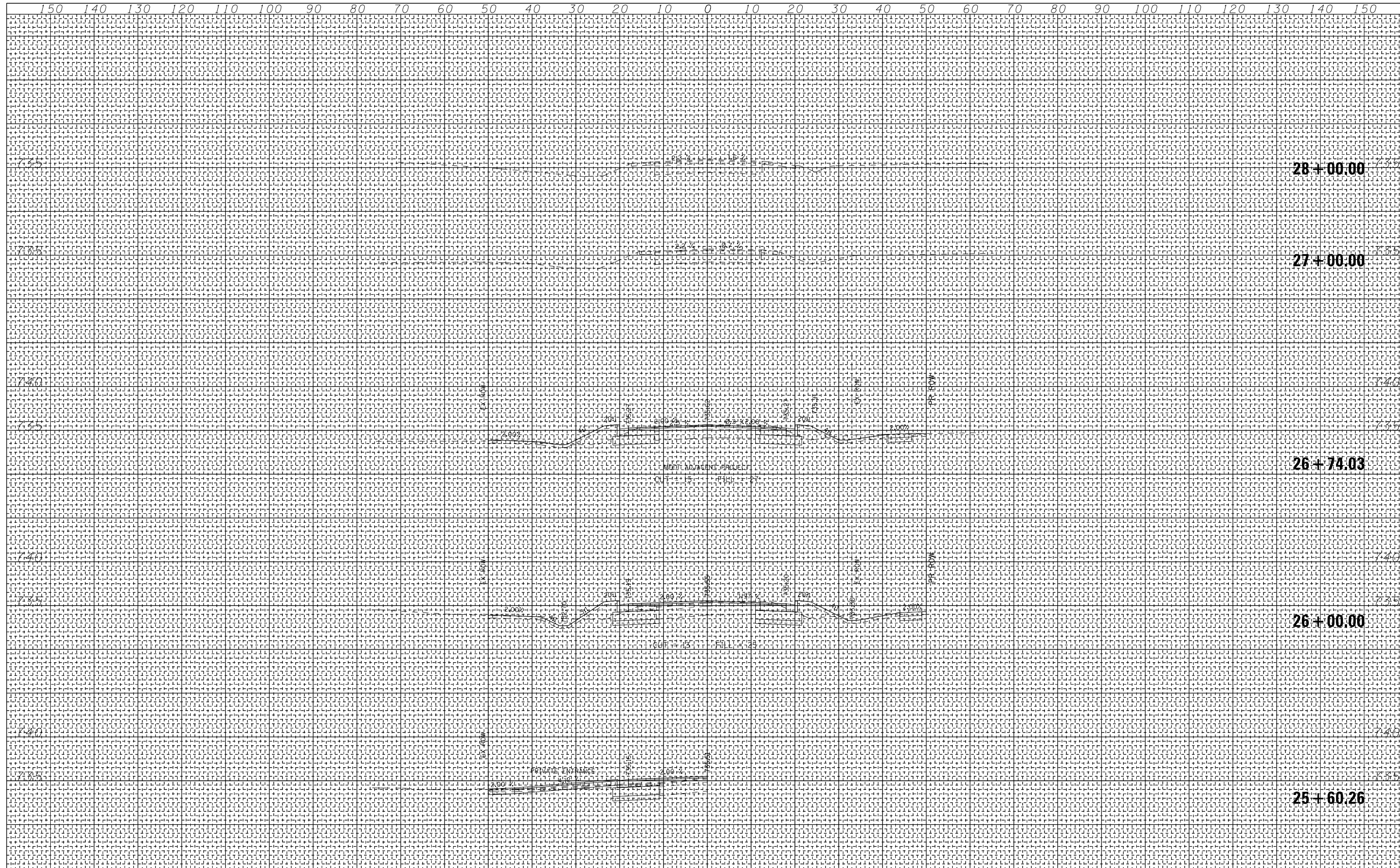
SCALE: 10H 5V    SHEET NO.    OF    SHEETS    STA. 23+73.78    TO STA. 25+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	86
CONTRACT NO. 60L79				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

FILE NAME =  
\*FILE\*

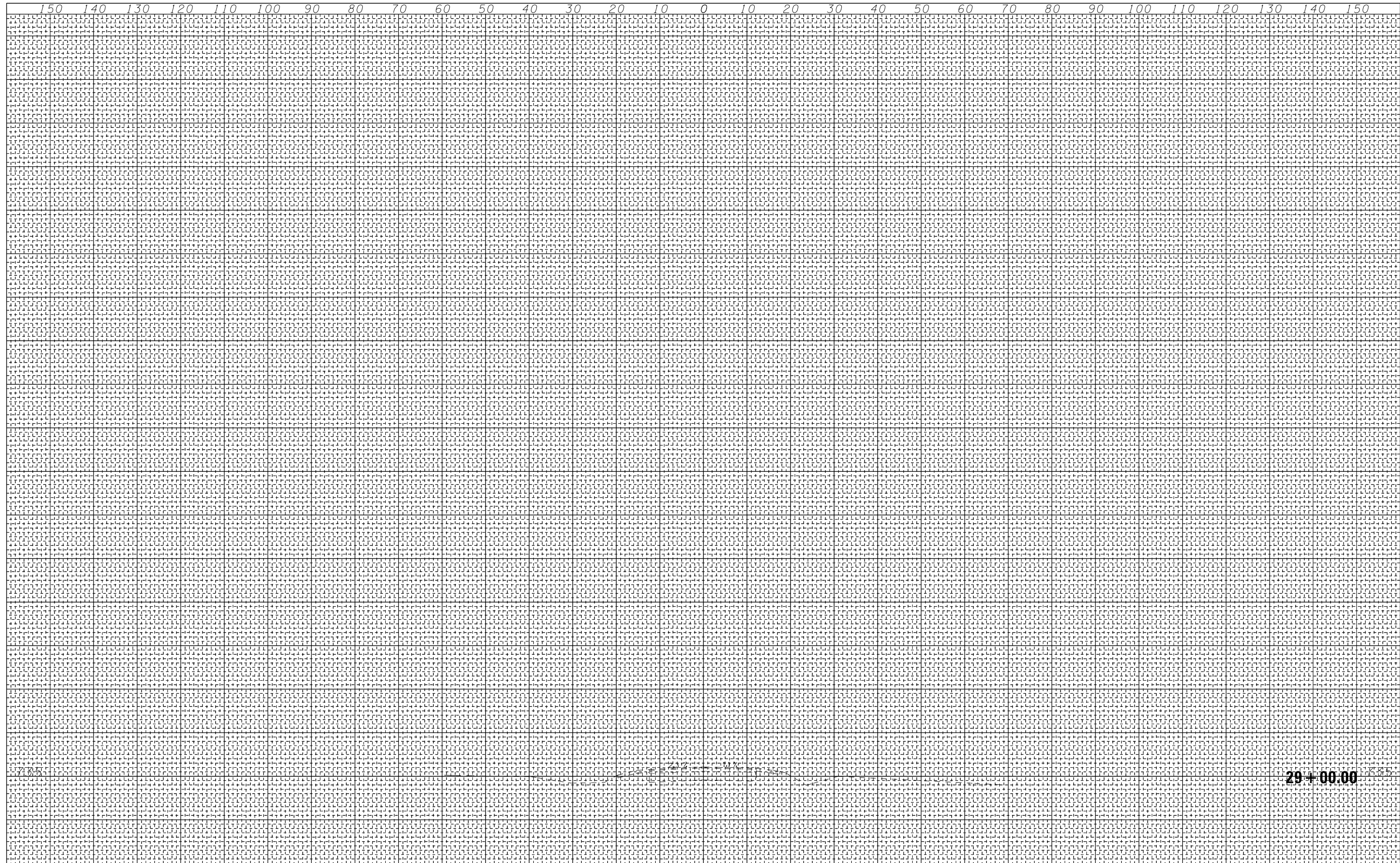


USER NAME = rgo11	DESIGNED - PWK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS-SECTIONS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - ERD	REVISED -		McCARTHY ROAD			1587	3098-R	COOK	95	87
PLOT DATE = 10/19/2012	CHECKED - KDF	REVISED -		SCALE: 10H 5V			SHEET NO. OF SHEETS		CONTRACT NO. 60L79		
	DATE -	REVISED -		STA. 25+60.26 TO STA. 28+00.00			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

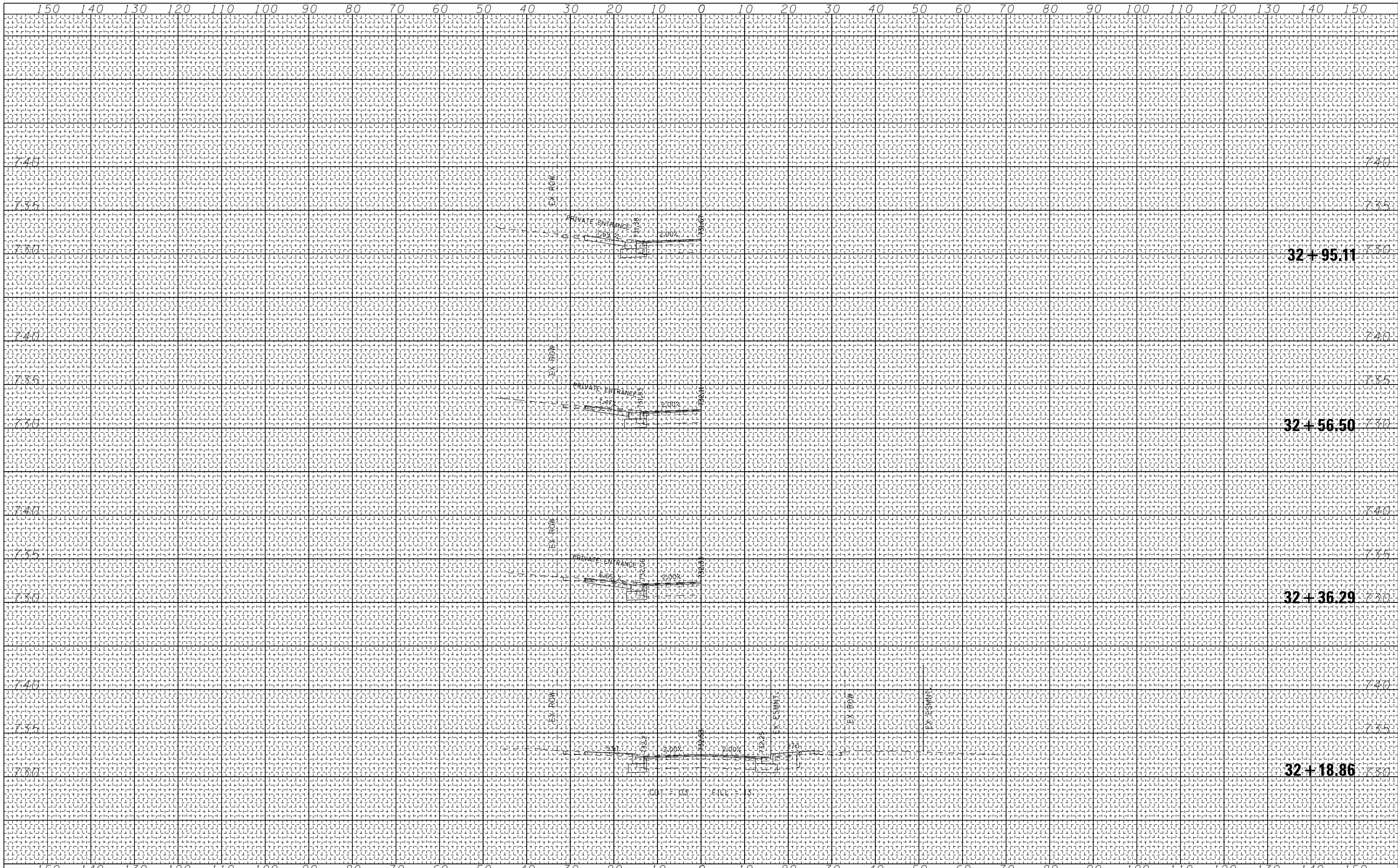
BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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

FILE NAME =  
\*FILEL\*



150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150																									
<table border="1"> <tr> <td>USER NAME = rgo11</td> <td>DESIGNED - PWK</td> <td>REVISED -</td> </tr> <tr> <td></td> <td>DRAWN - ERD</td> <td>REVISED -</td> </tr> <tr> <td>PLOT SCALE = 20.0000' / in.</td> <td>CHECKED - KDF</td> <td>REVISED -</td> </tr> <tr> <td>PLOT DATE = 10/19/2012</td> <td>DATE -</td> <td>REVISED -</td> </tr> </table>																USER NAME = rgo11	DESIGNED - PWK	REVISED -		DRAWN - ERD	REVISED -	PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -	PLOT DATE = 10/19/2012	DATE -	REVISED -	<p align="center"><b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b></p>											<p align="center"><b>CROSS-SECTIONS</b> <b>McCARTHY ROAD</b></p>																
USER NAME = rgo11	DESIGNED - PWK	REVISED -																																																					
	DRAWN - ERD	REVISED -																																																					
PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -																																																					
PLOT DATE = 10/19/2012	DATE -	REVISED -																																																					
SCALE: 10H 5V																SHEET NO. OF SHEETS STA. 29+00.00 TO STA. 29+00.00																																							
F.A.U. RTE. 1587																SECTION 3098-R										COUNTY COOK										TOTAL SHEETS 95										SHEET NO. 88									
FED. ROAD DIST. NO.																ILLINOIS FED. AID PROJECT										CONTRACT NO. 60L79																													



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

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

FILE NAME =  
\$FILEL\$

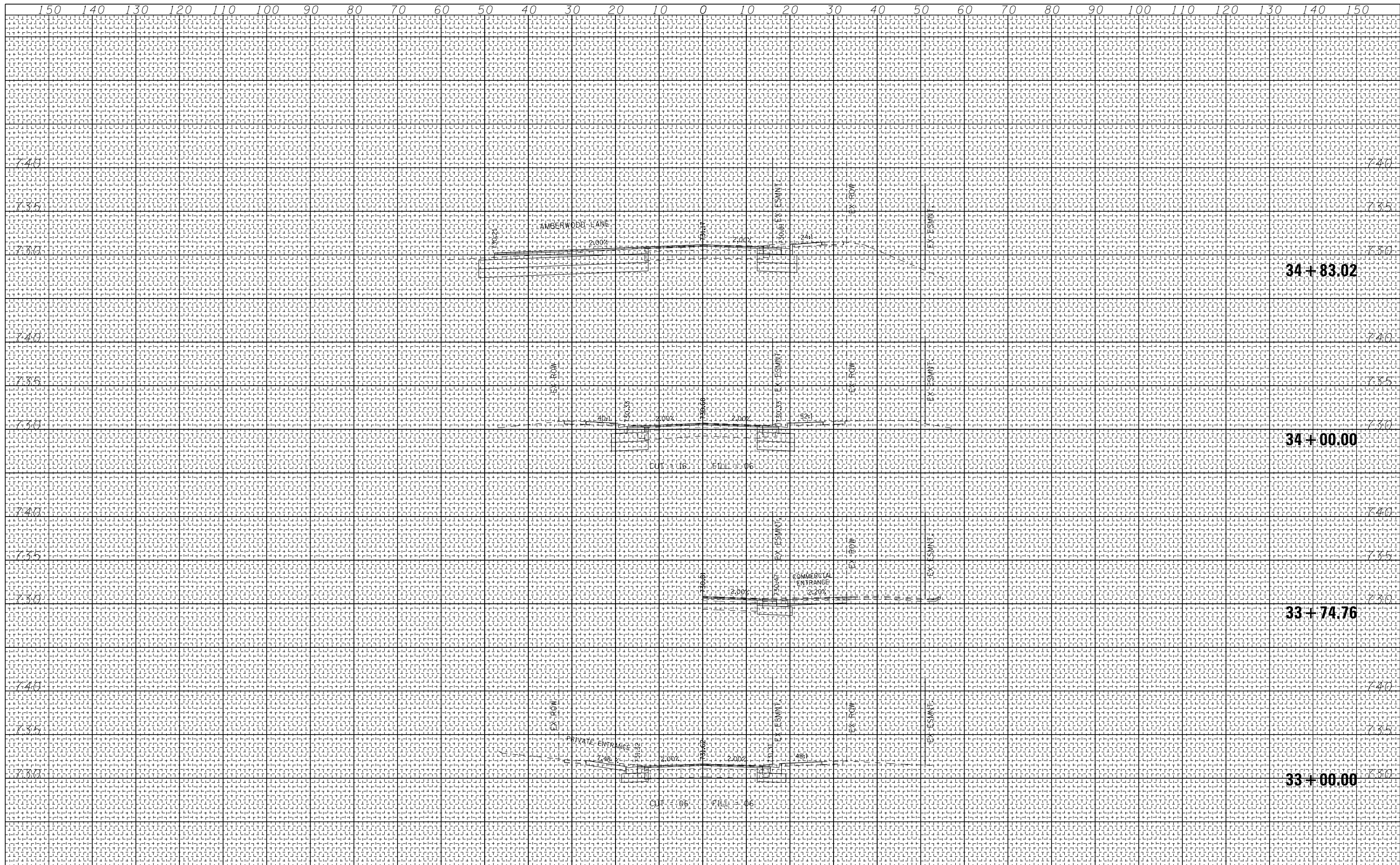
150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
USER NAME = rge11 DESIGNED - PWK DRAWN - ERD CHECKED - KDF DATE - PLOT SCALE = 20.0000' / in. PLOT DATE = 10/19/2012																DESIGNED - PWK REVISED - DRAWN - ERD REVISED - CHECKED - KDF REVISED - DATE - REVISED -				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		CROSS-SECTIONS WALKER ROAD				SCALE: 10:H 5:V SHEET NO. OF SHEETS STA. 32+18.86 TO STA. 32+95.11		F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO. 1587 3098-R COOK 95 89 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 60L79		



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

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

FILE NAME =  
\$FILEL\$



USER NAME = rgo11	DESIGNED - PWK	REVISED -
	DRAWN - ERD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -
PLOT DATE = 10/19/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: 10H 5V			SHEET NO. OF SHEETS	STA. 33+00.00 TO STA. 34+83.02	F.A.U. RTE. 1587	SECTION 3098-R	COUNTY COOK	TOTAL SHEETS 95	SHEET NO. 90
				FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

**34 + 83.02**

**34 + 00.00**

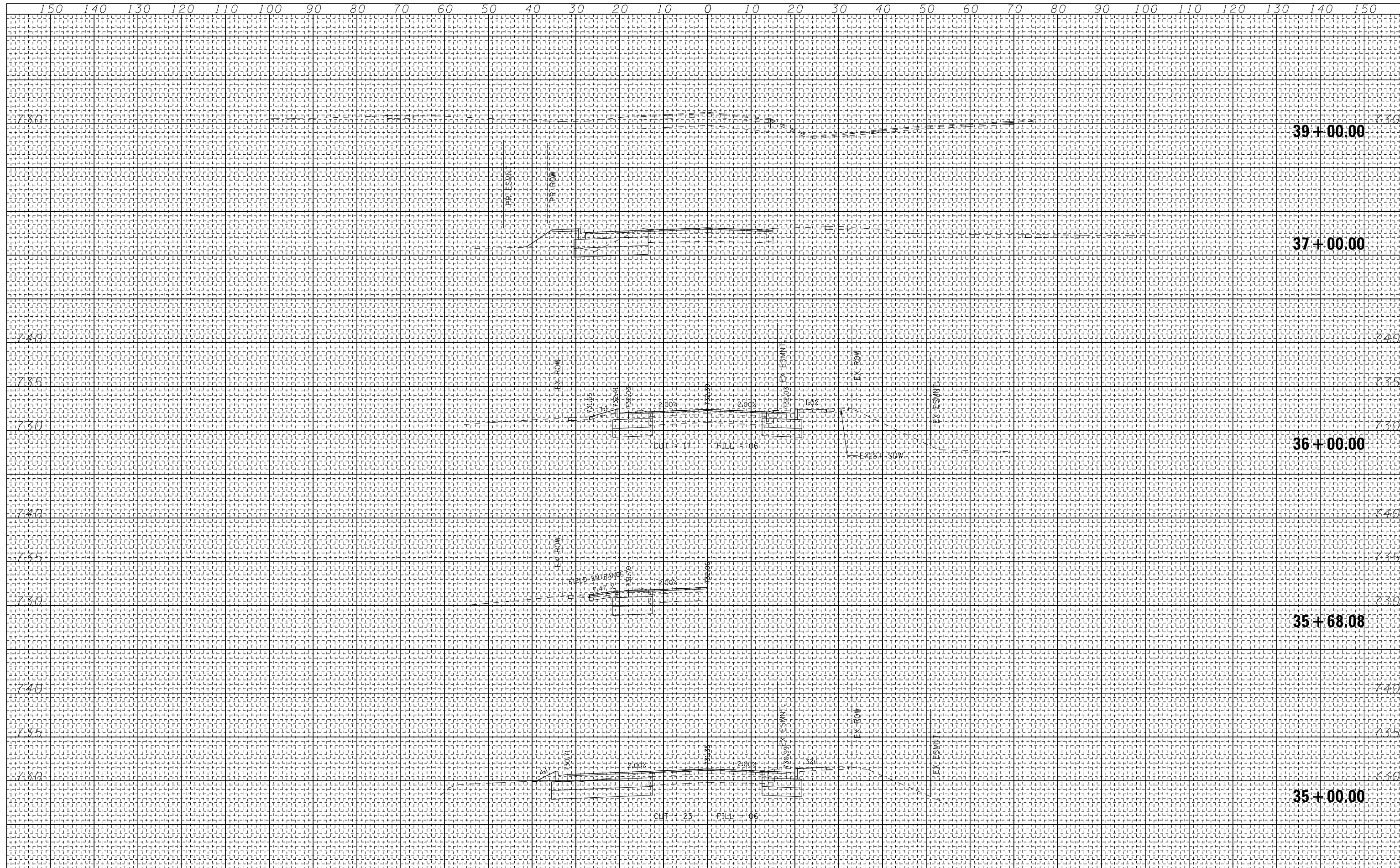
**33 + 74.76**

**33 + 00.00**



BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



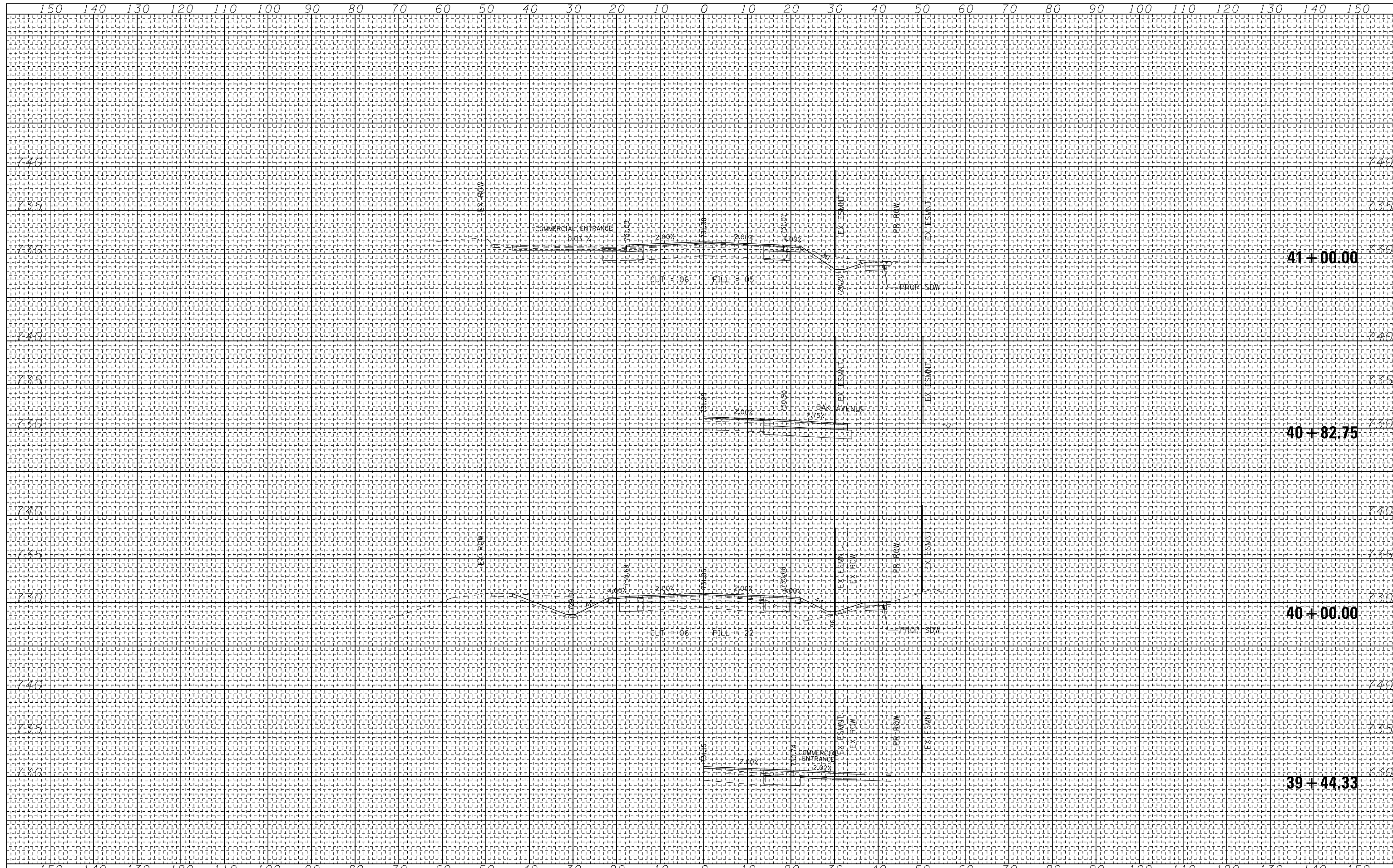
FILE NAME = \$FILEL\$

USER NAME = rgo11	DESIGNED - PWK	REVISED -
	DRAWN - ERD	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - KDF	REVISED -
PLOT DATE = 10/19/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS-SECTIONS WALKER ROAD</b>	
SCALE: 10H 5V	SHEET NO. OF SHEETS
STA. 35+00.00	TO STA. 39+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	91
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60L79	



BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

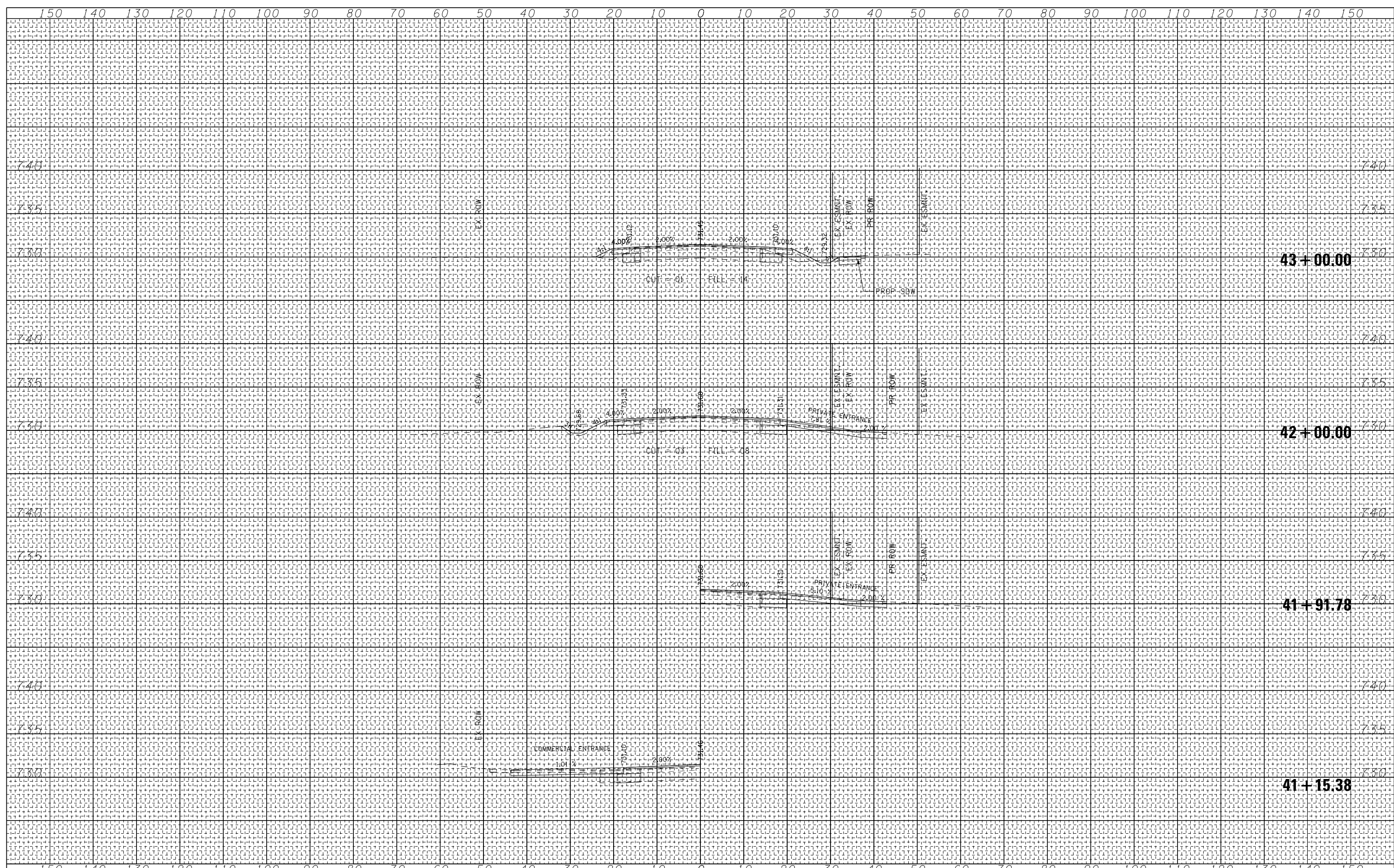
BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

FILE NAME = \_\_\_\_\_  
 \$FILEL\$

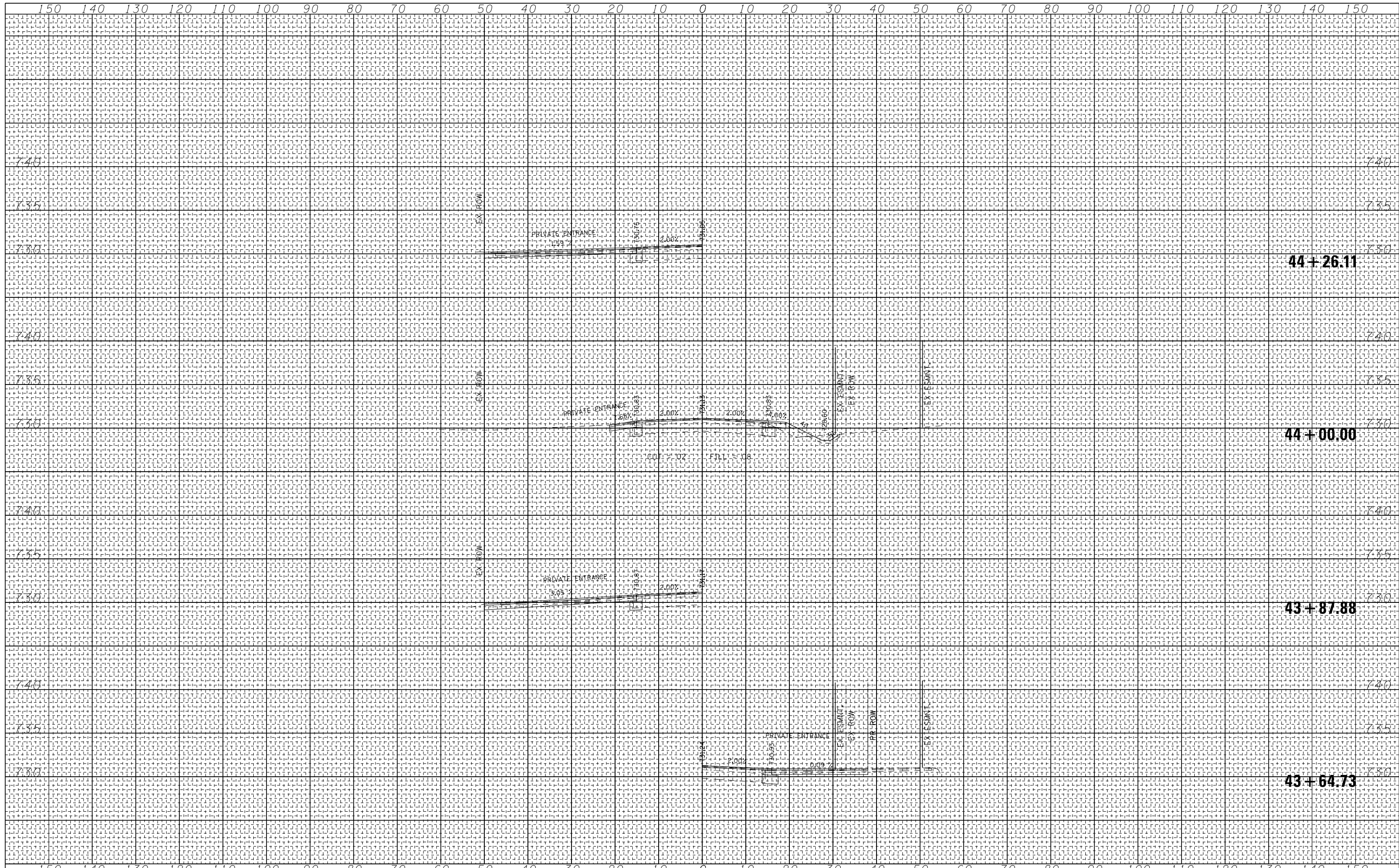
USER NAME = rgo11 DESIGNED - PWK DRAWN - ERD CHECKED - KDF DATE - PLOT SCALE = 20.0000' / in. PLOT DATE = 10/19/2012				REVISIONS REVISED - REVISED - REVISED - REVISED -				<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>				<b>CROSS-SECTIONS</b> <b>WALKER ROAD</b>				F.A.U. RTE. 1587 SECTION 3098-R COUNTY COOK TOTAL SHEETS 95 SHEET NO. 92		CONTRACT NO. 60L79	
SCALE: 10H 5V SHEET NO. OF SHEETS STA. 39+44.33 TO STA. 41+00.00				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT															

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

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



FILE NAME =  
\$FILEL\$



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

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

FILE NAME =  
\$FILEL\$

USER NAME = rgo11	DESIGNED - PWK	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN - ERD	REVISED -
PLOT DATE = 10/19/2012	CHECKED - KDF	REVISED -
	DATE -	REVISED -

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

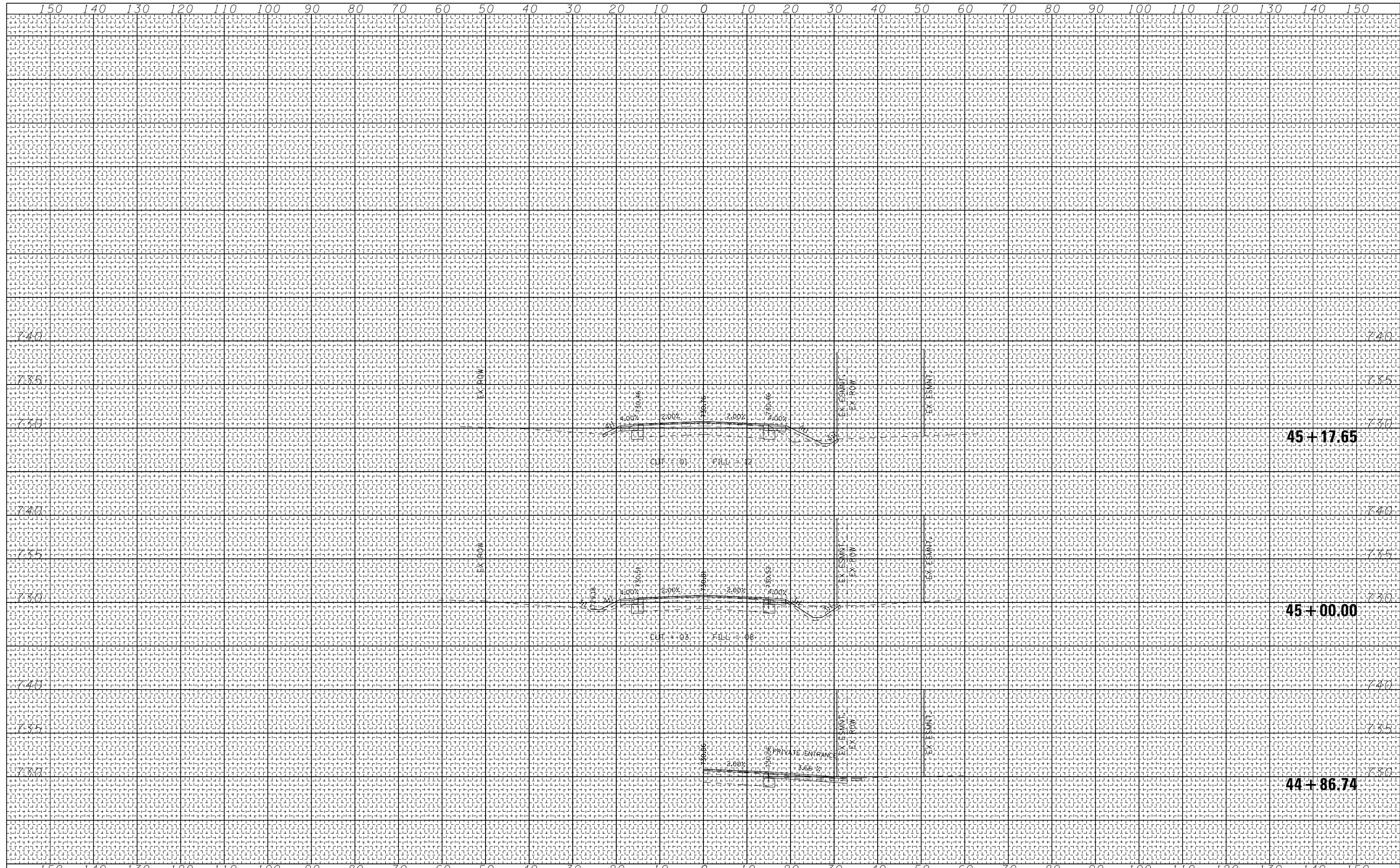
<b>CROSS-SECTIONS</b>			
<b>WALKER ROAD</b>			
SCALE: 10H 5V	SHEET NO.	OF SHEETS	STA. 43+64.73 TO STA. 44+26.11

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1587	3098-R	COOK	95	94
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60L79	

BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

BY \_\_\_\_\_ DATE \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

FILE NAME = \_\_\_\_\_  
 \$FILEL\$



USER NAME = rge11	DESIGNED - PWK	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS-SECTIONS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - ERD	REVISED -		SCALE: 10H 5V	SHEET NO.	OF SHEETS	1587	3098-R	COOK	95	95
PLOT DATE = 10/19/2012	CHECKED - KDF	REVISED -		STA. 44+86.74	TO STA. 45+17.65	CONTRACT NO. 60L79		ILLINOIS FED. AID PROJECT			
	DATE -	REVISED -									