

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	6	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 60D25		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 339: ILL 58 (GOLF ROAD)
AT SHERMER RD.
SECTION: 584 Y-N-1

**CHANNELIZATION AND TRAFFIC SIGNAL MODERNIZATION
COOK COUNTY
C-91-363-07**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

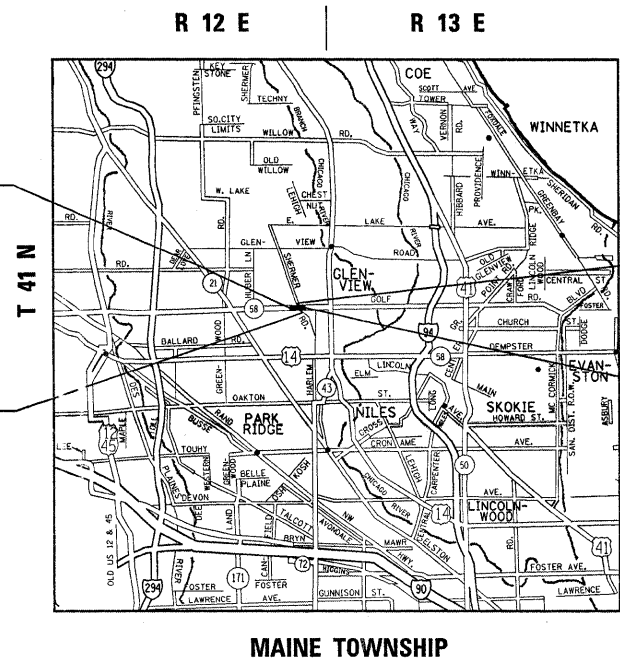
THIS PROJECT IS LOCATED IN THE VILLAGES
OF GLENVIEW AND MORTON GROVE

TRAFFIC DATA
IL 58 (GOLF RD.): 2007 ADT=46,300
SPEED LIMIT = 40 MPH
SHERMER RD.: 2006 ADT=6,000
SPEED LIMIT = 30 MPH

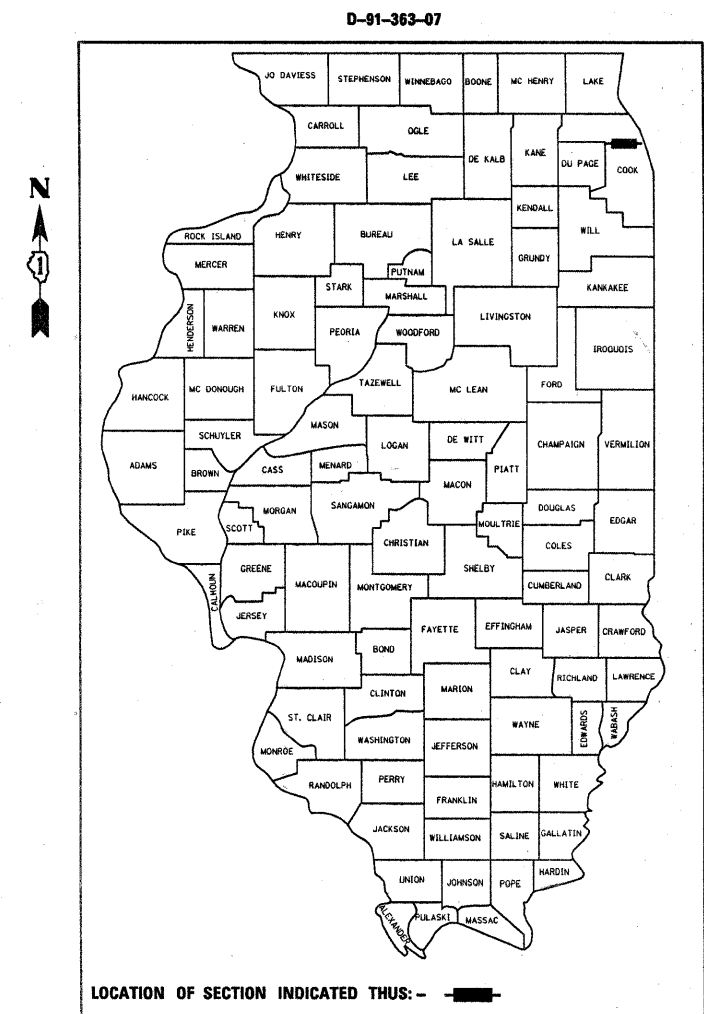
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: ROBERT BORO (847)-705-4178
PROJECT MANAGER: KEN ENG

CONTRACT NO. 60D25



GROSS AND NET LENGTH = 2487.5 FT. = 2.12 MILE



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JANUARY 26, 2010
Diane M. O'Keefe DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
August 13, 2010
Scott E. Stitt acting ENGINEER OF DESIGN AND ENVIRONMENT
August 13, 2010
Christine M. Reed DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602011-01	CATCH BASIN TYPE C
602301-02	INLET - TYPE A
604036-02	GRATE TYPE 8
604086-02	FRAME AND GRATE TYPE 23
604091-02	FRAME AND GRATE TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-03	LANE CLOSURE, 2L 2W, SHORT TIME OPERATIONS
701501-05	URBANE LANE CLOSURE, 2L, 2W, UNDIVIDED
701311-03	LANE CLOSURE, 2L 2W, MOVING OPERATIONS-DAY ONLY.
701601-06	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701801-04	LANE CLOSURE MULTILANE, 1W OR 2W CROSSWALK OF SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
700001-02	TYPICAL PAVEMENT MARKINGS
701001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-01	PEDESTRIAN PUSH BUTTON POST
877001-04	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-08	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

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 IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES & THE VILLAGES OF GLENVIEW AND MORTON GROVE.

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

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

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.

TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS 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 ACCORDING TO ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS.

IT IS THE CONTRACTORS RESPONSIBILITY TO PROVIDE A FIELD LABORATORY FOR USE FOR ANY ON SITE TESTING BY THE ENVIRONMENTAL FIRM. NO TESTING OF ANY KIND, CONTAMINATED OR NON-CONTAMINATED FLUID OR SOLID SHALL BE PERMITTED IN THE ENGINEER'S FIELD OFFICE.

THE RESIDENT ENGINEER SHALL CONTACT MR. WALTER CZARNY AREA TRAFFIC FIELD ENGINEER AT (773) 685-8386 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED THROUGHOUT THE IMPROVEMENT ACCORDING TO THE DISTRICT STANDARDS AS NOTED IN THE DETAIL.

THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING, RESURFACING OR OVERLAYING.

WHEN CONSTRUCTING SIDEWALK RAMPS FOR THE HANDICAPPED (STATE STANDARD 424001), USE TYPE B RAMPS UNLESS OTHERWISE SPECIFIED

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

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

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

USE #8 EPOXY-COATED TIE BARS, CONFORMING TO ART. 1006.10 OF THE STANDARD SPECIFICATIONS, FOR ALL TIE BARS. USE THE "LONGITUDINAL CONSTRUCTION JOINT (TIE BAR GROUTED IN PLACE)" DETAIL SHOWN ON HIGHWAY STANDARD 420001 FOR ALL LONGITUDINAL JOINTS AND FOR TYING PCC PAVEMENT WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS.

THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

COMMITMENTS

THE CONTRACTOR SHALL CONTACT JIM LITTLE TWO WEEKS IN ADVANCE FOR THE REMOVAL OF THE EXISTING P.A.C.E. BUS CANOPY AND THE INSTALLATION AT THE RELOCATED P.A.C.E. BUS STOP AT:

ILLINOIS CONVENIENCE AND SAFETY
6624 W. IRVING PARK RD.
CHICAGO IL, 60634

TEL: 773-545-5296
FAX: 773-545-0298
CELL: 773-255-1032

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				INDEX OF SHEETS LIST OF STATE STANDARDS & PLAN NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
ci:\pw_work\FWIDOT\MIDYJA\dms93788\PI26724-Design3.dgn	midyja	DRAWN	REVISED									339	584 Y-N-1	COOK	61	2				
PLOT SCALE = 50.0000' / IN.	CHECKED	REVISED										SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 60D25
PLOT DATE = 6/3/2010	DATE	REVISED																		

SUMMARY OF QUANTITIES			100% STATE CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES			100% STATE CONSTRUCTION TYPE CODE								
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	STATE URBAN	TRAFFIC	INTER-CONNECT	100% VILLAGE GLENVIEW WATERMAIN	100% VILLAGE GLENVIEW SIDEWALK	100% VILLAGE MORTON GROVE OPTICOM	CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	STATE URBAN	TRAFFIC	INTER-CONNECT	100% VILLAGE GLENVIEW WATERMAIN	100% VILLAGE GLENVIEW SIDEWALK	100% VILLAGE MORTON GROVE OPTICOM	
				1000-2A	Y031-1F	Y031-1F	Y060	5FTY-1B	Y031-3D					1000-2A	Y031-1F	Y031-1F	Y060	5FTY-1B	Y031-3D	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	24	24						42400800	DETECTABLE WARNINGS	SO FT	590	460					130	
20200100	EARTH EXCAVATION	CU YD	1314	1247				67		44000100	PAVEMENT REMOVAL	SO YD	75	75						
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	450	450						44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	263	263						
20800150	TRENCH BACKFILL	CU YD	9	9						44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3430	3430						
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	1890	1890						44000600	SIDEWALK REMOVAL	SO FT	2178	2178						
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	36	36						44003100	MEDIAN REMOVAL	SO FT	5619	5619						
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	36	36						44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	120	120						
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	36	36						44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	90	90						
* 25100630	EROSION CONTROL BLANKET	SO YD	1890	1890						44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1512	1512						
* 25200110	SODDING, SALT TOLERANT	SO YD	1890	1890						550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	63	63						
25200200	SUPPLEMENTAL WATERING	UNIT	19	19						56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2				2			
28000305	TEMPORARY DITCH CHECKS	FOOT	24	24						60107600	PIPE UNDERDRAINS 4"	FOOT	200	200						
28000400	PERIMETER EROSION BARRIER	FOOT	800	800						60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	8	8						
28000510	INLET FILTERS	EACH	19	19						60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1	1						
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SO YD	1027	1027						60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	6	6						
31101600	SUB-BASE GRANULAR MATERIAL, TYPE B 8"	SO YD	198	198						60251730	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	1	1						
35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SO YD	1045	1045						60251740	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	8	8						
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	340	340						60255500	MANHOLES TO BE ADJUSTED	EACH	1	1						
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	8	8						60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	2	2						
40600300	AGGREGATE (PRIME COAT)	TON	39	39						60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1						
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	15	15						60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	4	4						
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	370	370						60500040	REMOVING MANHOLES	EACH	1				1			
40600895	CONSTRUCTING TEST STRIP	EACH	1	1						60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	176	176						
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	134	134						60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2431	2431						
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	362	362						60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	198	198						
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	62	62						60620800	CONCRETE MEDIAN, TYPE SB-9.12	SO FT	313	313						
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	922	922						67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6						
42001300	PROTECTIVE COAT	SO YD	2265	1384				881		67100100	MOBILIZATION	L SUM	1	1						
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	53	53						70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	9650	2307				7343		70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30	30						
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SO FT	976	393				583		70300100	SHORT-TERM PAVEMENT MARKING	FOOT	560	560						
										70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	93	93						

FILE NAME =	USER NAME = mdyja	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CLIPW.../VPIWIDT/MDI/JA/dms93785/P126704-Design	DRAWN -	REVISOR -	339						584 Y-N-1	COOK	61	3	
PLOT SCALE = 500000' / IN.	CHECKED -	REVISOR -	CONTRACT NO. 60D25										
PLOT DATE = 6/4/2010	DATE -	REVISOR -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT										

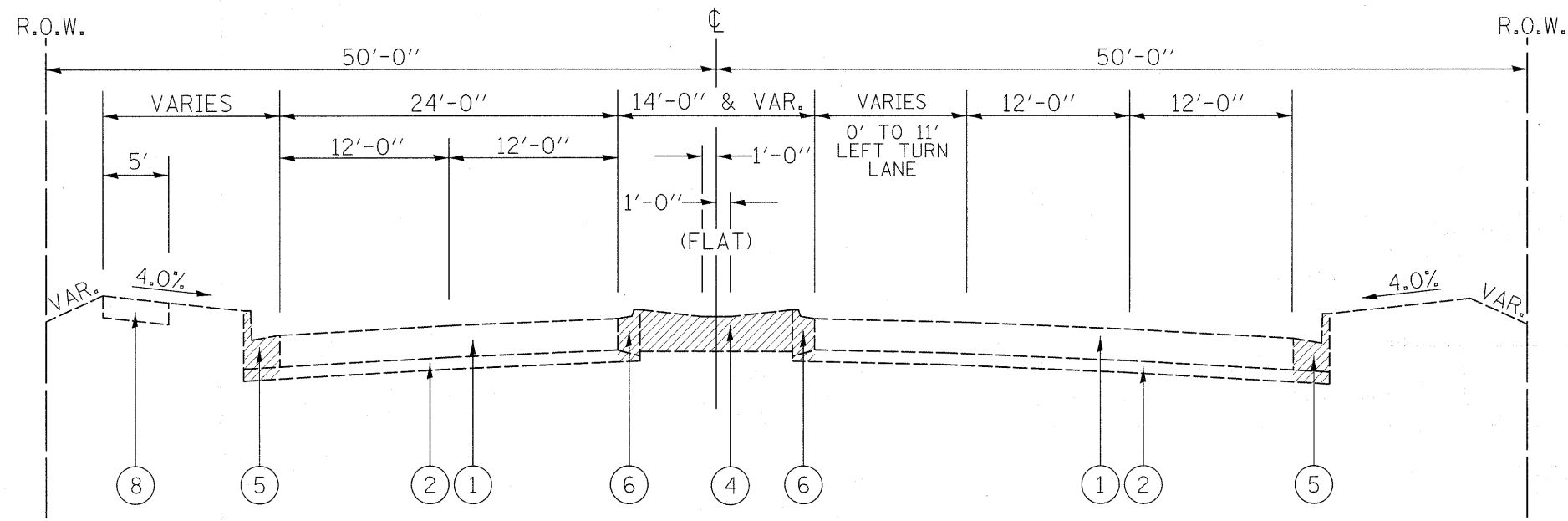
SUMMARY OF QUANTITIES				100% STATE CONSTRUCTION TYPE CODE						SUMMARY OF QUANTITIES				100% STATE CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	STATE URBAN 1000-2A	TRAFFIC Y031-1F	INTER-CONNECT Y031-1F	100% VILLAGE	100% VILLAGE	100% VILLAGE	CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	STATE URBAN 1000-2A	TRAFFIC Y031-1F	INTER-CONNECT Y031-1F	100% VILLAGE	100% VILLAGE	100% VILLAGE
							GLENVIEW WATERMAIN Y060	GLENVIEW SIDEWALK SFTY-1B	MORTON GROVE OPTICOM Y031-3D								GLENVIEW WATERMAIN Y060	GLENVIEW SIDEWALK SFTY-1B	MORTON GROVE OPTICOM Y031-3D
* 72000100	SIGN PANEL - TYPE 1	SO FT	27		27					* 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1		1				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	400.4	400.4						* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	966	966						* 87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1		1				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1932	1932						* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	168	168						* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	38	38						* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52		52				
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	29	29						* 87900200	DRILL EXISTING HANDHOLE	EACH	1			1			
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1242		645	597				* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6		6				
* 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	87		87					* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		4				
* 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	24		24					* 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4		4				
* 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	352		352					* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8				
* 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	411		411					* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10		10				
* 81400100	HANDHOLE	EACH	6		5	1				* 88500100	INDUCTIVE LOOP DETECTOR	EACH	10		10				
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4		4					* 88600100	DETECTOR LOOP, TYPE I	FOOT	1071		1071				
* 81400300	DOUBLE HANDHOLE	EACH	1		1					* 88700200	LIGHT DETECTOR	EACH	2						2
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1353		756	597				* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1						1
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2					* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8				
* 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1					* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1				
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1					* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1				
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1402		1402					* 89502380	REMOVE EXISTING HANDHOLE	EACH	8		7	1			
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2159		2159					* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8		8				
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1605		1605					* A2000320	TREE, ACER MIYABEI MORTON (STATE STREET MIYABE MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2					
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1653		1653					Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8					
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1945		1945					* Z0033090	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1419			1419			
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	172.5		172.5					* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1			1			
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4					X7030104	WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 4 INCH	FOOT	966	966					
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1		1					X7030106	WET TEMPORARY PAVEMENT MARKING TAPE TYPE III, 6 INCH	FOOT	1932	1932					
										X7030124	WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 24 INCH	FOOT	168	168					

* SPECIALTY ITEMS

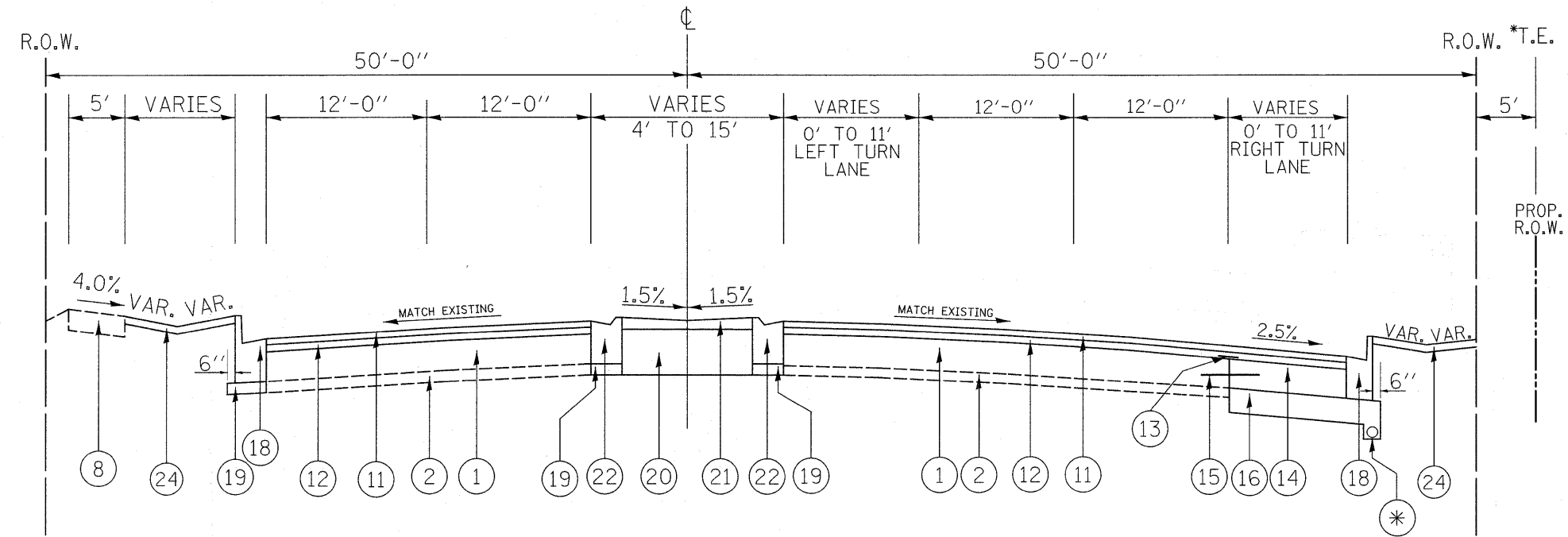
SUMMARY OF QUANTITIES			100% STATE CONSTRUCTION TYPE CODE							SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE							
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	STATE URBAN	TRAFFIC	INTER-CONNECT	100% VILLAGE GLENVIEW WATERMAIN	100% VILLAGE GLENVIEW SIDEWALK	100% VILLAGE MORTON GROVE OPTICOM	CODE NO	ITEM	UNIT	TOTAL QUANTITIES							
				1000-2A	Y031-1F	Y031-1F	Y060	SFTY-1B	Y031-3D											
X7030120	WET ^{PAVEMENT MARKING} TEMPORARY TAPE, TYPE III, LETTERS AND SYMBOLS	SO FT	400.4	400.4																
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	8	8																
X6063401	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	490	490																
* X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1															
* X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1		1															
* X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1628			1628														
* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	800		800															
* X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	685		685															
XX001047	VALVE VAULTS TO BE ABANDONED	EACH	7				7													
XX005224	GATE VALVE AND VAULT, COMPLETE	EACH	7				7													
XX008107	FIRE HYDRANT WITH AUXILIARY GATE VALVE AND BOX	EACH	4				4													
Z0001050	AGGREGATE SUBGRADE 12"	SO YD	1543	1543																
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1																
Z0044298	PRESSURE CONNECTION TO EXISTING WATER MAIN	EACH	1				1													
X0327014	NON-PRESSURE CONNECTION TO EXISTING WATER MAIN, 8"	EACH	1				1													
X0327013	NON-PRESSURE CONNECTION TO EXISTING WATER MAIN, 6"	EACH	4				4													
X5620102	WATER SERVICE REPLACEMENT, 1.5" - SHORT	EACH	1				1													
X5620104	WATER SERVICE REPLACEMENT, 1.5" - LONG	EACH	1				1													
XX007384	GATE VALVE TO BE REMOVED	EACH	1				1													
X5610012	CAP EXISTING WATER MAIN	EACH	6				6													
X5610014	EXISTING WATER MAIN REPAIR	EACH	1				1													
X5610008	DUCTILE IRON WATERMAIN PIPE INSTALLATION	FOOT	1510				1510													
60230000	^{SPECIAL} MANHOLES, 4' - DIAMETER	EACH	1				1													
60266500	VALVE VAULTS TO BE REMOVED	EACH	1				1													

FILE NAME =	USER NAME = mdy/ja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pwwork\K\PW\DOT\MIDY\J\dm53788\PI26704-Design.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	339	584 Y-N-1	COOK	61	5
		CHECKED -	REVISED -						CONTRACT NO. 60D25						
		DATE = 5/3/2010	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT										

* SPECIAL IY ITEMS



EXISTING TYPICAL SECTION
IL 58 (GOLF RD.)
Sta. 9+60 to Sta. 15+00



PROPOSED TYPICAL SECTION
IL 58 (GOLF RD.)
Sta. 9+60 to Sta. 15+00

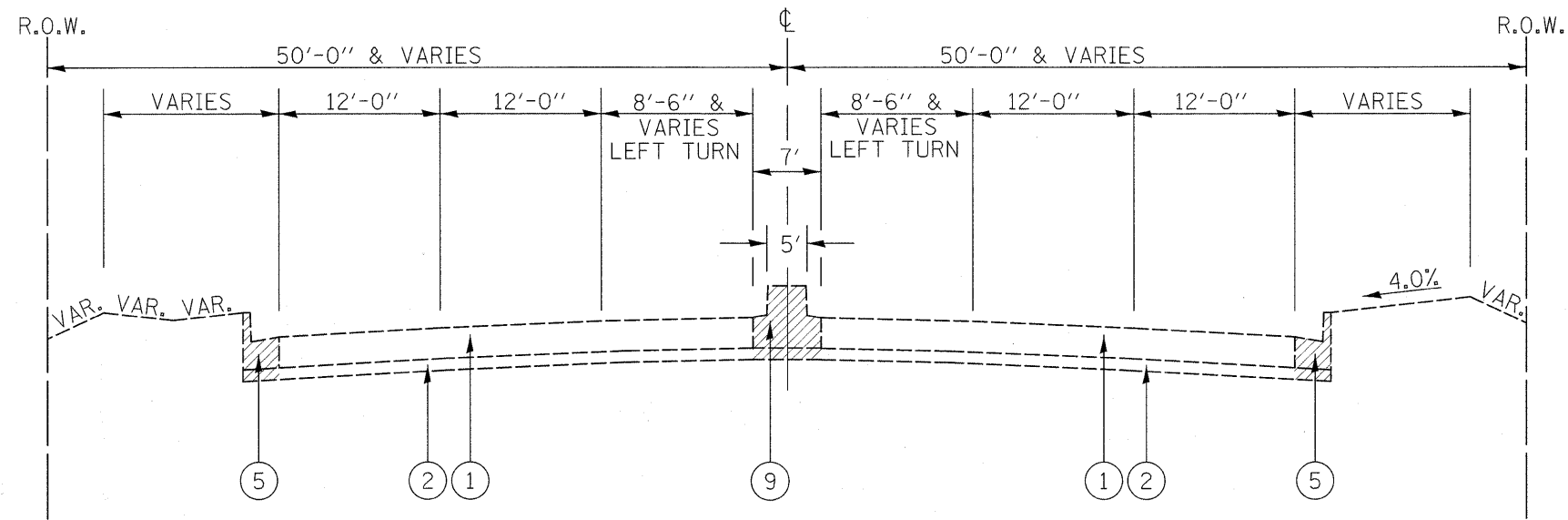
* PROPOSED PIPE UNDERDRAIN, 4"
(STA. 11+50 TO 12+50 RT
STA. 18+00 TO 19+00 LT)

LEGEND

- ① EXISTING P.C.C. PAVEMENT, 10"
- ② EXISTING STABILIZED AGGREGATE SUBBASE, 4"
- ③ EXISTING P.C.C. PAVEMENT, 9"
- ④ EXISTING STABILIZED MEDIAN SURFACE, 12"
- ⑤ EXISTING COMBINATION CONCRETE C&G TYPE B-9.24
- ⑥ EXISTING COMBINATION CONCRETE C&G TYPE M-2.12
- ⑦ EXISTING COMBINATION CONCRETE C&G TYPE B-6.24
- ⑧ EXISTING P.C.C. SIDEWALK, 5"
- ⑨ EXISTING CONCRETE MEDIAN TYPE SB-9.12
- ⑩ EXISTING HOT-MIX ASPHALT OVERLAY (± 3")
- ⑪ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- ⑫ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑬ PROPOSED REFLECTIVE CRACK CONTROL STRIP, 2'
- ⑭ PROPOSED P.C.C. BASE COURSE, 10"
- ⑮ PROP. DRILL & GROUT (#8) EPOXY COATED DEFORMED STEEL TIE BAR, 24" LONG, 24" C-C - COST INCLUDED IN P.C.C. BASE COURSE, 10"
- ⑯ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑰ PROPOSED CONCRETE MEDIAN, TYPE SB-9.12
- ⑱ PROPOSED COMBINATION CONCRETE C&G TYPE B-6.24
- ⑲ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- ⑳ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 8"
- ㉑ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ㉒ PROPOSED COMBINATION CONCRETE C&G TYPE M-4.12
- ㉓ PROPOSED P.C.C. SIDEWALK, 5"
- ㉔ PROPOSED TOPSOIL, 4"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT WIDENING & RESURFACING (IL 58 & SHERMER RD.)	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50	4% @ 50 GYR.
PAVEMENT WIDENING & RESURFACING (ELM ST.)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, (IL 9.5 mm)	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19 mm)	4% @ 50 GYR.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" (IL 9.5 mm)	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE, (6") (HMA BINDER IL-19 mm) (PE)	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.

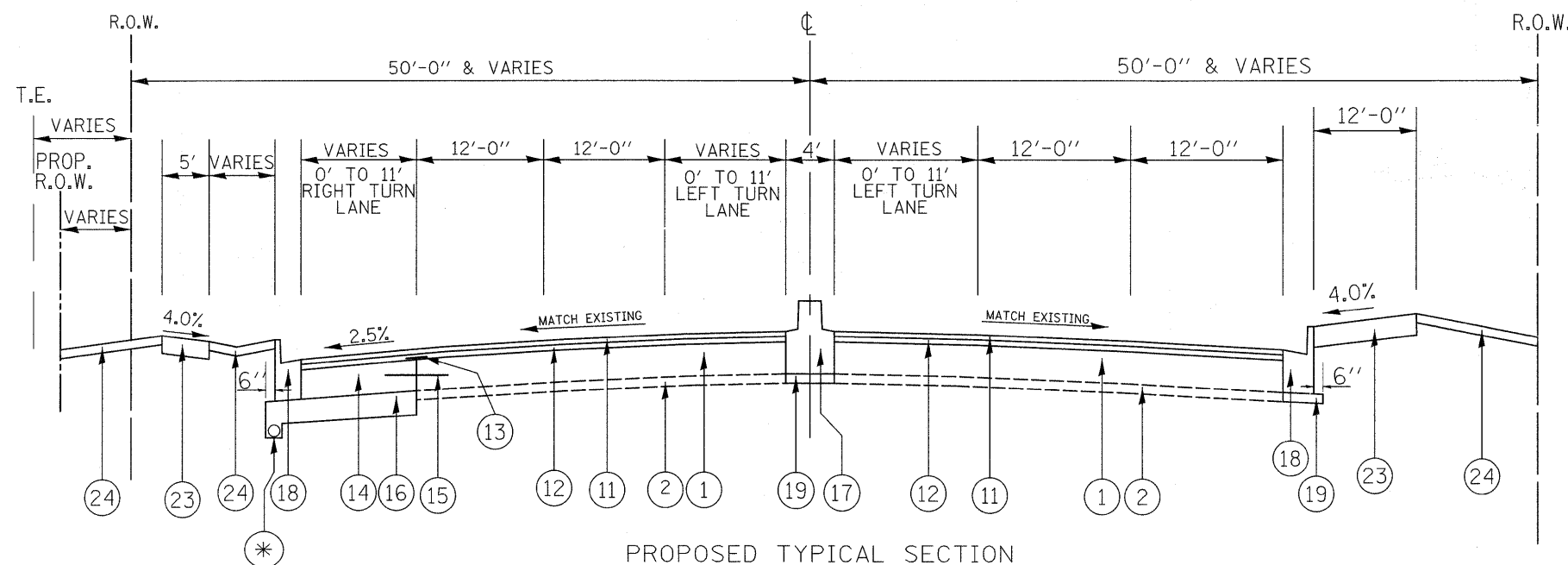
- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ.YD./IN
 - THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



EXISTING TYPICAL SECTION
IL 58 (GOLF RD.)
Sta. 15+00 to Sta. 20+36

LEGEND

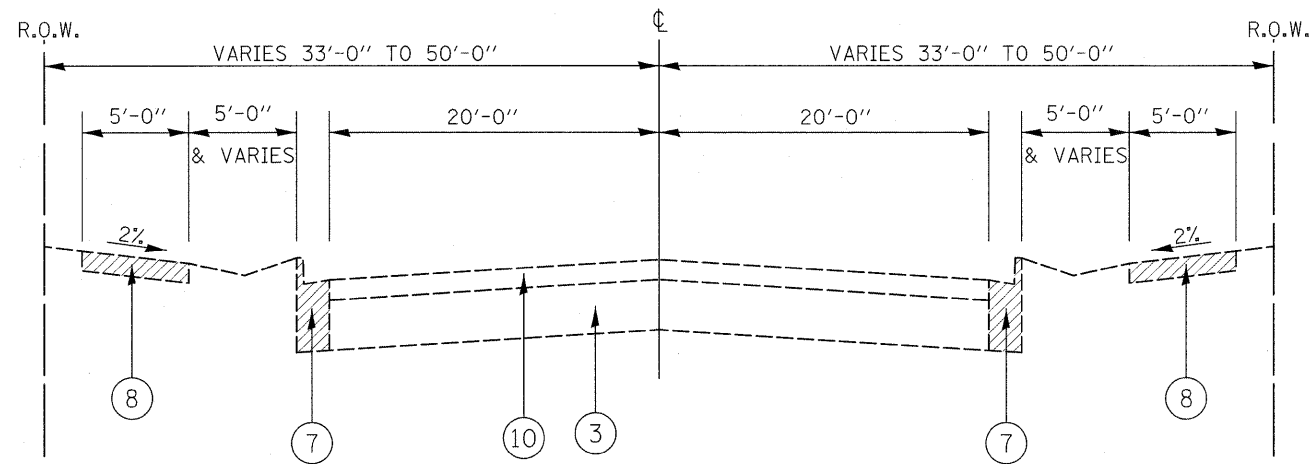
- ① EXISTING P.C.C. PAVEMENT, 10'
- ② EXISTING STABILIZED AGGREGATE SUBBASE, 4"
- ③ EXISTING P.C.C. PAVEMENT, 9"
- ④ EXISTING STABILIZED MEDIAN SURFACE, 12"
- ⑤ EXISTING COMBINATION CONCRETE C&G TYPE B-9.24
- ⑥ EXISTING COMBINATION CONCRETE C&G TYPE M-2.12
- ⑦ EXISTING COMBINATION CONCRETE C&G TYPE B-6.24
- ⑧ EXISTING P.C.C. SIDEWALK, 5"
- ⑨ EXISTING CONCRETE MEDIAN TYPE SB-9.12
- ⑩ EXISTING HOT-MIX ASPHALT OVERLAY (± 3")
- ⑪ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- ⑫ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑬ PROPOSED REFLECTIVE CRACK CONTROL STRIP, 2'
- ⑭ PROPOSED P.C.C. BASE COURSE, 10"
- ⑮ PROP. DRILL & GROUT (#8) EPOXY COATED DEFORMED STEEL TIE BAR, 24" LONG, 24" C-C - COST INCLUDED IN P.C.C. BASE COURSE, 10"
- ⑯ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑰ PROPOSED CONCRETE MEDIAN, TYPE SB-9.12
- ⑱ PROPOSED COMBINATION CONCRETE C&G TYPE B-6.24
- ⑲ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- ⑳ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 8"
- ㉑ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ㉒ PROPOSED COMBINATION CONCRETE C&G TYPE M-4.12
- ㉓ PROPOSED P.C.C. SIDEWALK, 5"
- ㉔ PROPOSED TOPSOIL, 4"



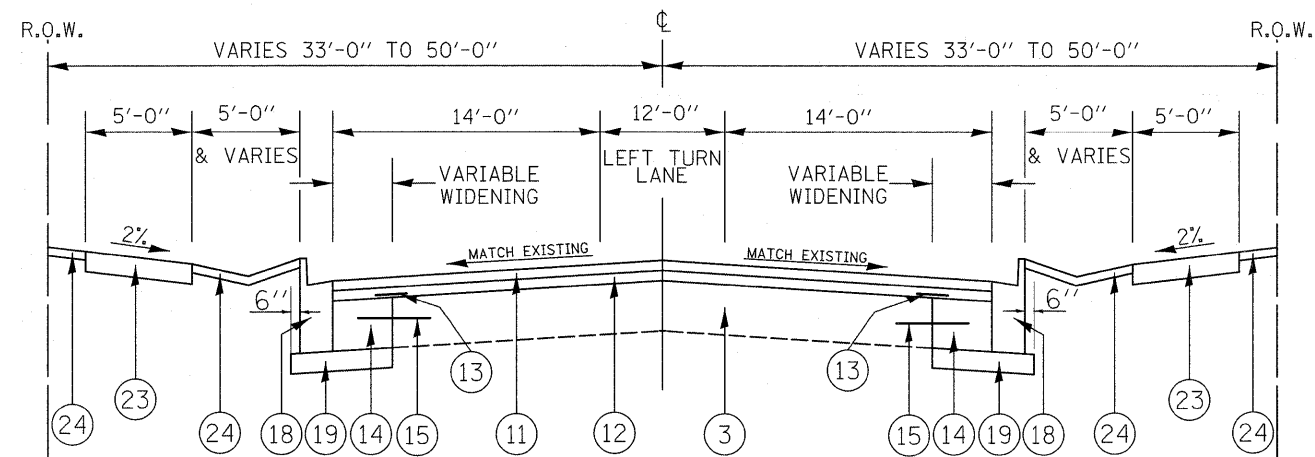
PROPOSED TYPICAL SECTION
IL 58 (GOLF RD.)
Sta. 15+00 to Sta. 20+36

* PROPOSED PIPE UNDERDRAIN, 4"
(STA. 11+50 TO 12+50 RT
STA. 18+00 TO 19+00 LT)

FILE NAME =	USER NAME = mjdjja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTION IL ROUTE 58				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwwork\pwwid\mjdjja\dms53788\p126704-Design3.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	COOK	61	7
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 60D25								
PLOT DATE = 3/8/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



EXISTING TYPICAL SECTION
SHERMER RD.
Sta. 97+46.6 to Sta. 101+66.4



PROPOSED TYPICAL SECTION
SHERMER RD.
Sta. 97+46.6 to Sta. 101+66.4

LEGEND

- ① EXISTING P.C.C. PAVEMENT, 10"
- ② EXISTING STABILIZED AGGREGATE SUBBASE, 4"
- ③ EXISTING P.C.C. PAVEMENT, 9"
- ④ EXISTING STABILIZED MEDIAN SURFACE, 12"
- ⑤ EXISTING COMBINATION CONCRETE C&G TYPE B-9.24
- ⑥ EXISTING COMBINATION CONCRETE C&G TYPE M-2.12
- ⑦ EXISTING COMBINATION CONCRETE C&G TYPE B-6.24
- ⑧ EXISTING P.C.C. SIDEWALK, 5"
- ⑨ EXISTING CONCRETE MEDIAN TYPE SB-9.12
- ⑩ EXISTING HOT-MIX ASPHALT OVERLAY (± 3")
- ⑪ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- ⑫ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑬ PROPOSED REFLECTIVE CRACK CONTROL STRIP, 2'
- ⑭ PROPOSED P.C.C. BASE COURSE, 10"
- ⑮ PROP. DRILL & GROUT (#8) EPOXY COATED DEFORMED STEEL TIE BAR, 24" LONG, 24" C-C - COST INLCUDED IN P.C.C. BASE COURSE, 10"
- ⑯ PROPOSED AGGREGATE SUBGRADE, 12"
- ⑰ PROPOSED CONCRETE MEDIAN, TYPE SB-9.12
- ⑱ PROPOSED COMBINATION CONCRETE C&G TYPE B-6.24
- ⑲ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- ⑳ PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 8"
- ㉑ PROPOSED CONCRETE MEDIAN SURFACE, 4"
- ㉒ PROPOSED COMBINATION CONCRETE C&G TYPE M-4.12
- ㉓ PROPOSED P.C.C. SIDEWALK, 5"
- ㉔ PROPOSED TOPSOIL, 4"

FILE NAME =	USER NAME = midjjs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED TYPICAL SECTION SHERMER RD.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et\pwwork\pwwid\DOT\MIDYJA\Ydms93788\VP126	24-Design3.dgn	DRAWN -	REVISED -			339	584 Y-N-1	COOK	61	8	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 60D25					
	PLOT DATE = 3/8/2018	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

EARTHWORK SCHEDULE

EARTHWORK LOCATION	1 EARTH EXCAVATION (CU. YD.)	2 EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU. YD.)	3 REMOVAL OF UNSUITABLE OR UNSTABLE MATERIAL (CU. YD.)	4 EMBANKMENT (CU. YD.)	5 EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)	6 FURNISHED EXCAVATION (CU. YD.)
IL 58						
9+60 - 20+36	1058	900	389	146	754	0
SHERMER ROAD						
98+34.8 - 101+66.4	141	120	46	7	113	0
ELM STREET						
	48	41	15	5	36	0
TOTAL =	1247	1061	450	158	903	0

NOTE:
 1 = QUANTITIES FROM EARTHWORK SPREADSHEET
 2 = (1) * 0.85
 3 = ESTIMATED QUANTITIES FROM CROSS-SECTIONS
 4 = QUANTITIES FROM EARTHWORK SPREADSHEET
 5 = 2-4
 6 = FURNISHED EXCAVATION = SHORTAGE (-) 5

NOTE:
 A THICKNESS OF 6 INCHES OF TOPSOIL STRIPPING SHALL BE USED FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

DRAINAGE STRUCTURES TABLE

NO.	STATION	OFFSET	STRUCTURE TYPE		DIA.	FRAME	TOP OF GRATE	INVERT(N)	INVERT(S)	INVERT(E)	INVERT(W)	INVERT(NE)
			CB	INL								
1	10+96	EOP RT	TYP. C		2'	TY. 24 F&G	654.37					650.20
2	11+52	EOP RT	TYP. C		2'	TY. 24 F&G	654.27					615.70
3	13+72	52.3' RT		TYP. A	2'	TY. 8 GRATE	655.25	652.00				
4	13+81	EOP RT	TYP. C		2'	TY. 24 F&G	655.04				652.74	651.90
5	100+48	EOP RT	TYP. C		2'	TY. 24 F&G	655.64					
6	99+45	EOP LT	TYP. C		2'	TY. 24 F&G	655.89			651.72		
7	18+93	EOP LT	TYP. C		2'	TY. 24 F&G	654.96		650.42			
8	16+96	EOP LT	TYP. C		2'	TY. 24 F&G	655.85		653.90			

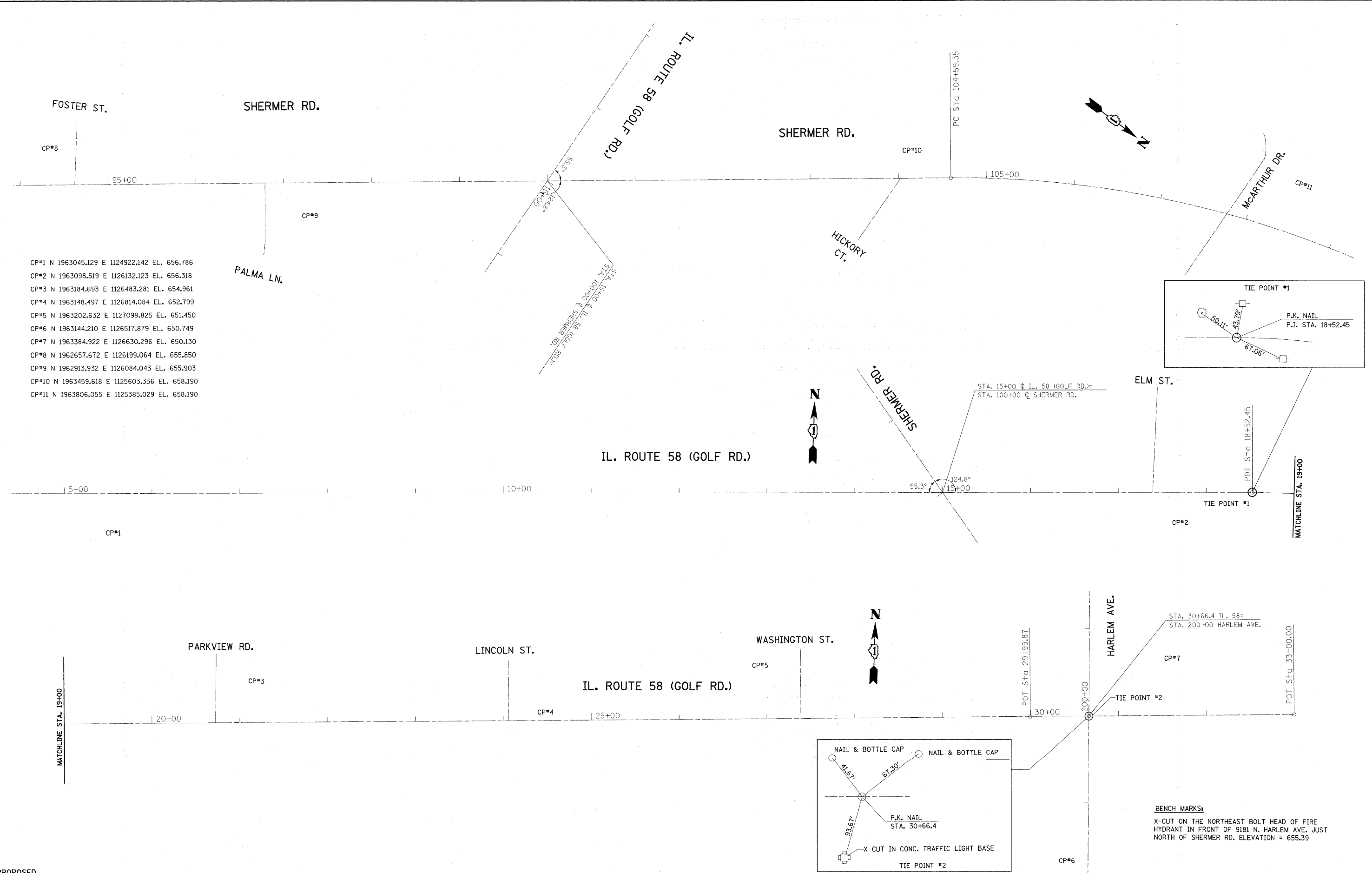
DRIVEWAY PAVEMENT

LOCATION	OFFSET	DRIVEWAY PAVEMENT REMOVAL (SQ. YD.)	HMA BASE COURSE, 6" (P.E.)(SQ. YD.)	HMA SURFACE COURSE, MIX "C", N50, 2" (TON)	PCC DRIVEWAY PAVEMENT 6" (P.E.)(SQ. YD.)
IL 58					
15+67	LT	95	64	7.2	
16+19	LT	46	48	5.3	
18+75	LT	47	51	6	
19+62	LT	25	35	4	
SHERMER RD.					
98+54	RT	15			11
98+96	LT	11			15
99+24	LT	12			12
101+48	RT	12			15
TOTAL =		263	198	22.5	53

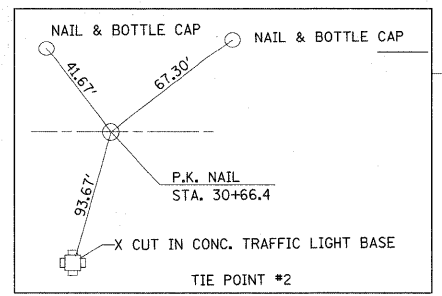
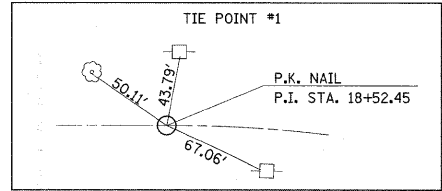
STORM SEWER TABLE

NO.	TYPE	DIA.	LIN. FT.	TB	INVERT (N)	INVERT (S)	INVERT (E)	INVERT (W)	INVERT (NE)	INVERT (SW)
1	PROP. STORM SEWER, CLASS A	1	12"	8	1.3				650.00	650.20
2	PROP. STORM SEWER, CLASS A	1	12"	10	1.4				651.45	651.70
3	PROP. STORM SEWER, CLASS A	1	12"	8	-				**	652.00
4	PROP. STORM SEWER, CLASS A	1	12"	12	2.0				651.80	651.90
5	PROP. STORM SEWER, CLASS A	1	12"	4	0.61			652.74	652.66	
6	PROP. STORM SEWER, CLASS A	1	12"	6	0.8			651.27	651.72	
7	PROP. STORM SEWER, CLASS A	1	12"	8	1.1	650.42	650.21			
8	PROP. STORM SEWER, CLASS A	1	12"	9	1.2	653.90	653.50			

** TO EXISTING CONNECTION



CP#1	N	1963045.129	E	1124922.142	EL.	656.786
CP#2	N	1963098.519	E	1126132.123	EL.	656.318
CP#3	N	1963184.693	E	1126483.281	EL.	654.961
CP#4	N	1963148.497	E	1126814.084	EL.	652.799
CP#5	N	1963202.632	E	1127099.825	EL.	651.450
CP#6	N	1963144.210	E	1126517.879	EL.	650.749
CP#7	N	1963384.922	E	1126630.296	EL.	650.130
CP#8	N	1962657.672	E	1126199.064	EL.	655.850
CP#9	N	1962913.932	E	1126084.043	EL.	655.903
CP#10	N	1963459.618	E	1125603.356	EL.	658.190
CP#11	N	1963806.055	E	1125385.029	EL.	658.190



BENCH MARKS:
X-CUT ON THE NORTHEAST BOLT HEAD OF FIRE HYDRANT IN FRONT OF 9181 N. HARLEM AVE. JUST NORTH OF SHERMER RD. ELEVATION = 655.39

PROPOSED

FILE NAME =	USER NAME = midjja
ci:\pwwork\NFWIDOT\NMD\JAY\dms93786\VP12674-sht-planc0.dgn	
PLOT SCALE = 50.0000' / IN.	
PLOT DATE = 3/8/2010	

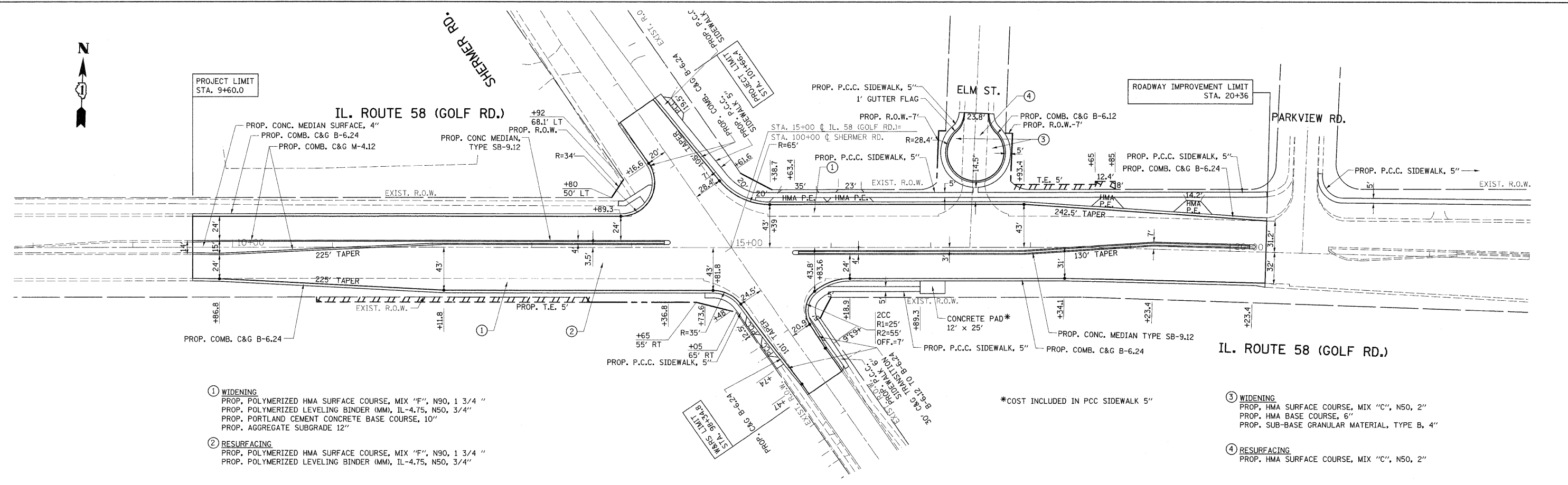
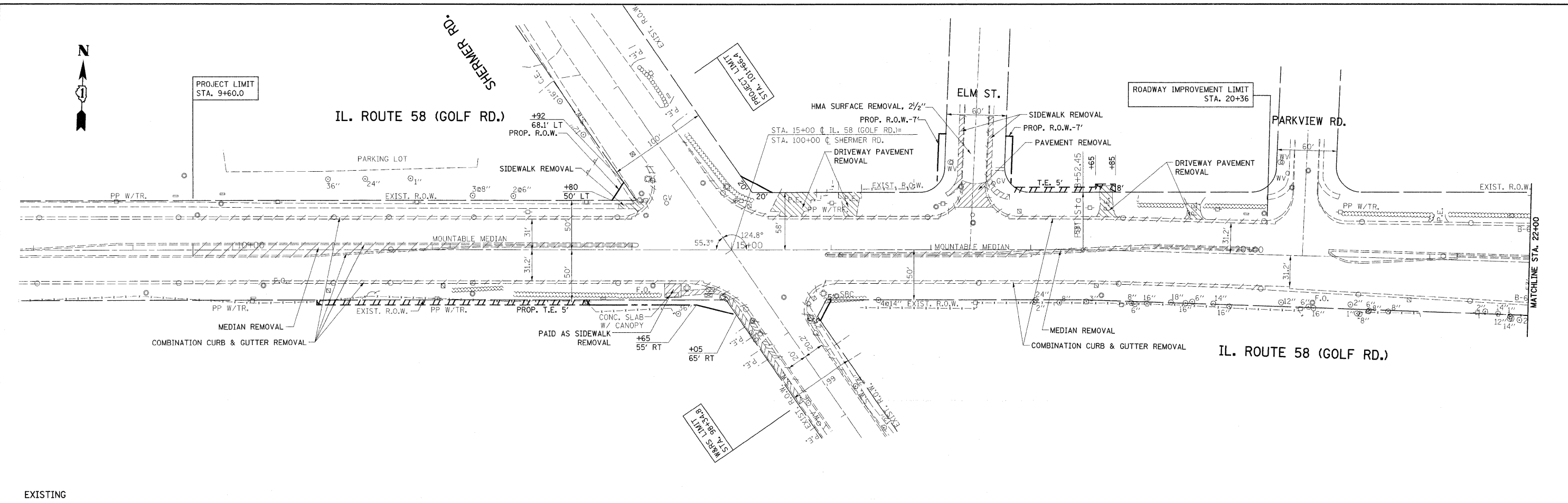
DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL. RTE. 58 (GOLF RD.)
ALIGNMENTS & TIES**

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

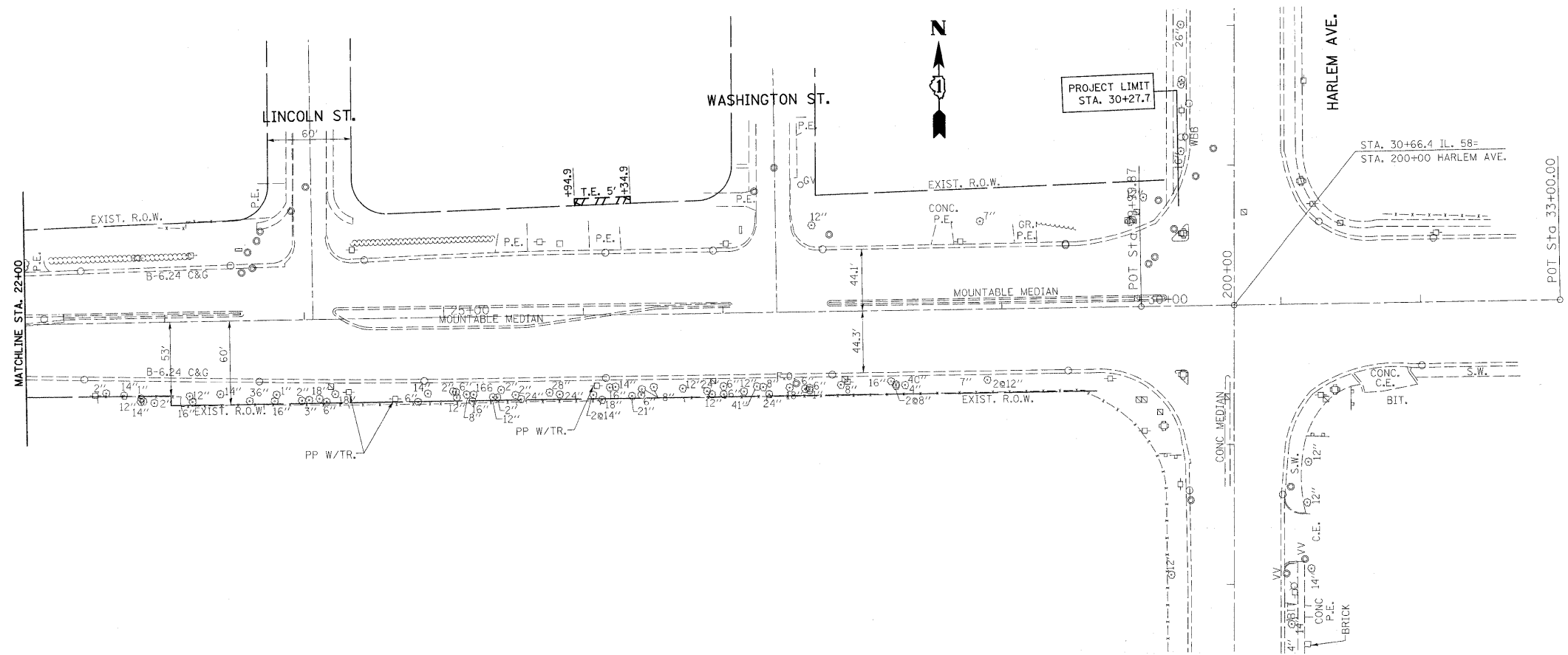
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	10
CONTRACT NO. 60D25				
ILLINOIS FED. AID PROJECT				



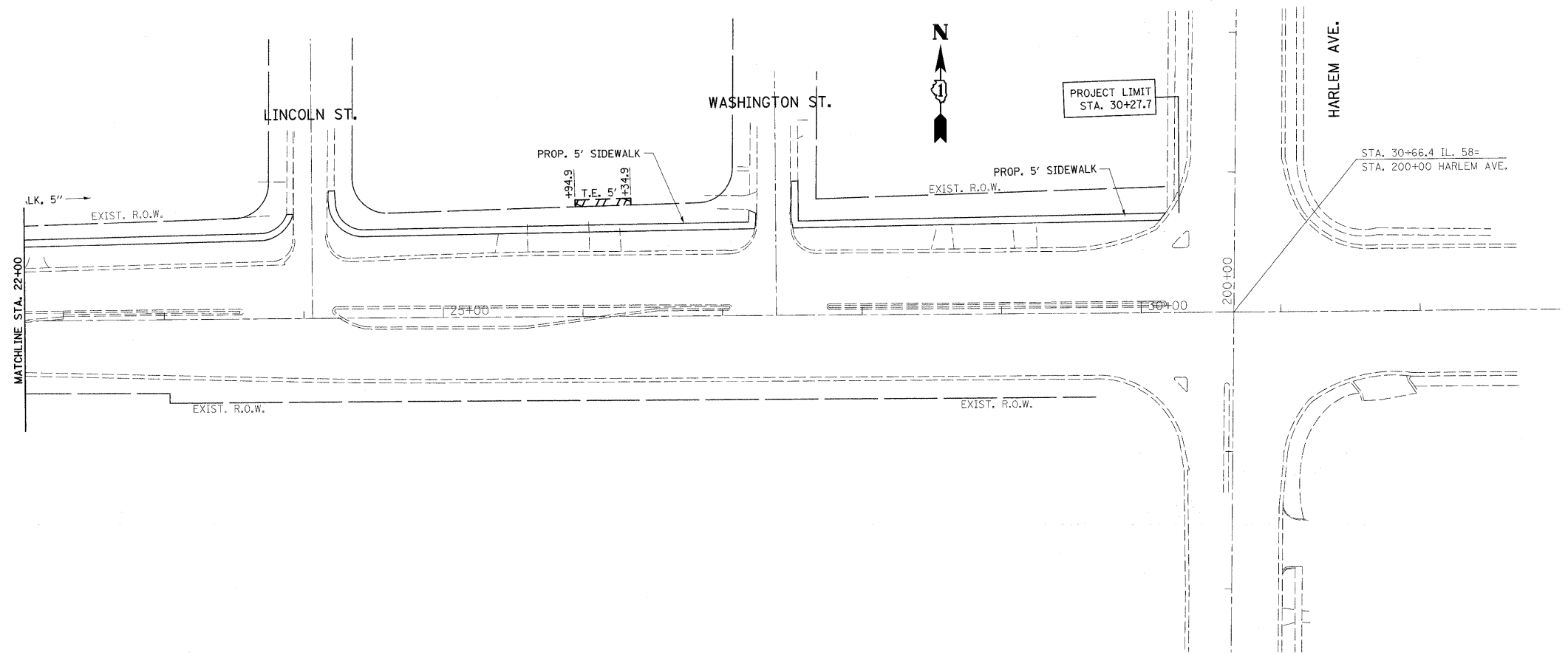
- ① WIDENING
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
 PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 PROP. PORTLAND CEMENT CONCRETE BASE COURSE, 10"
 PROP. AGGREGATE SUBGRADE 12"
- ② RESURFACING
 PROP. POLYMERIZED HMA SURFACE COURSE, MIX "F", N90, 1 3/4"
 PROP. POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
- ③ WIDENING
 PROP. HMA SURFACE COURSE, MIX "C", N50, 2"
 PROP. HMA BASE COURSE, 6"
 PROP. SUB-BASE GRANULAR MATERIAL, TYPE B, 4"
- ④ RESURFACING
 PROP. HMA SURFACE COURSE, MIX "C", N50, 2"

*COST INCLUDED IN PCC SIDEWALK 5"

PROPOSED FILE NAME = USER NAME = mcdyja DESIGNED - DRAWN - PLOT SCALE = 50,0000 ' / IN. PLOT DATE = 6/16/2010		REVISIONS REVISIONS - REVISIONS - REVISIONS - REVISIONS -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		IL. RTE. 58 (GOLF RD.) EXISTING & PROPOSED ROADWAY PLAN		F.A.P. RTE. 0339 SECTION 584 Y-N-1 COUNTY COOK TOTAL SHEETS 61 SHEET NO. 11 CONTRACT NO. 60D25	
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 9+60 TO STA. 22+00				ILLINOIS FED. AID PROJECT					



EXISTING



PROPOSED

FILE NAME =
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USER NAME = midyja
 4-shrt-plan-co.dgn
 PLOT SCALE = 50.0000' / IN.
 PLOT DATE = 6/15/2010

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

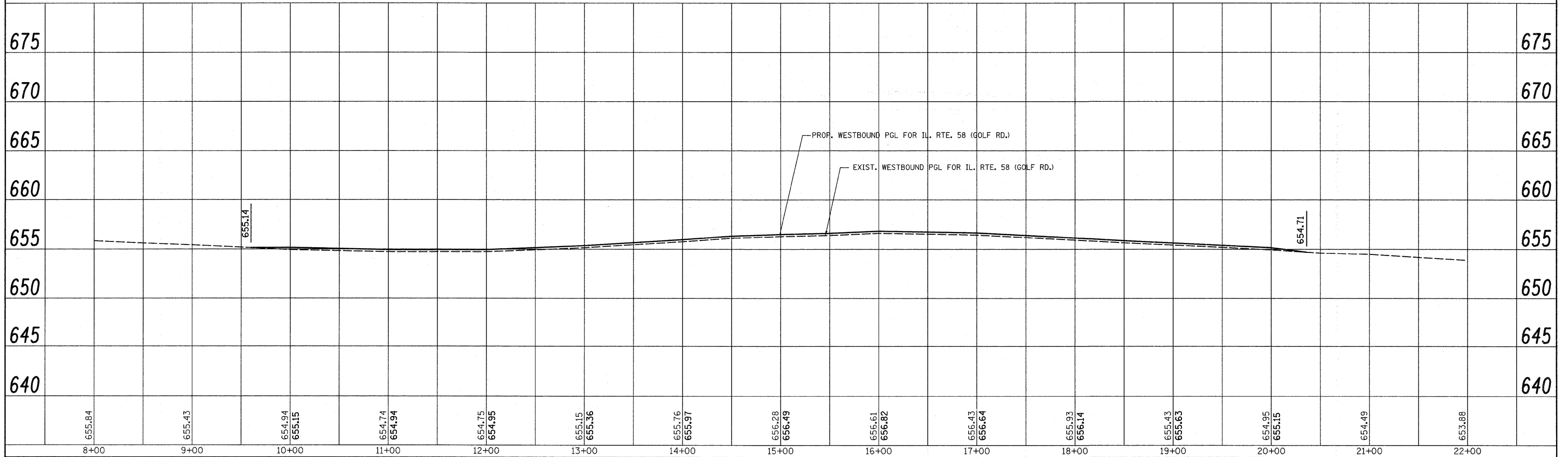
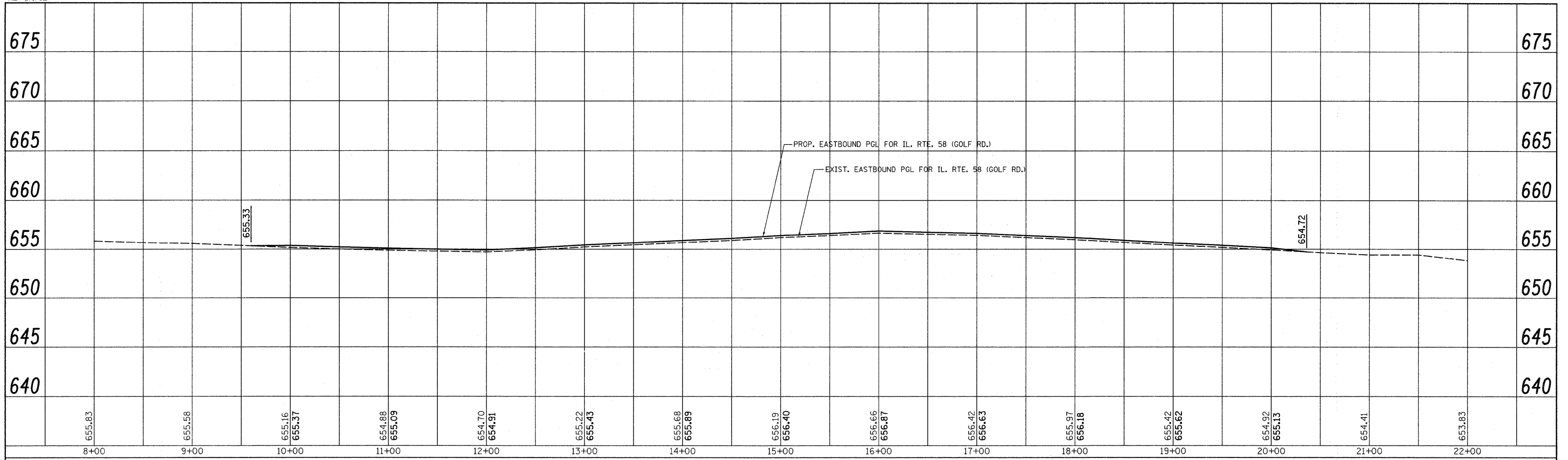
**IL. RTE. 58 (GOLF RD.)
 EXISTING & PROPOSED ROADWAY PLAN**

SCALE: SHEET NO. OF SHEETS STA. 22+00 TO STA. 32+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	12
CONTRACT NO. 60D25				
ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =	USER NAME = mdyja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 58 (GOLF RD.) ROADWAY PROFILE			F.A.P. RTE. 339	SECTION 584 Y-N-1	COUNTY COOK	TOTAL SHEETS 61	SHEET NO. 13
ca:\p\work\PWIDCT\MIDYJA\dms93786\12678	-shk-plance.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 8+00	TO STA. 22+00	CONTRACT NO. 60D25		
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 3/8/2010	DATE -	REVISED -									

ILLINOIS ROUTE 58 MAINLINE

STAGE 1

TRAFFIC MAINTAINED ON EXISTING PAVEMENT DURING STAGE 1 CONSTRUCTION

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701601.
 MAINTAIN TRAFFIC AT INTERSECTION CONSTRUCTION IN ACCORDANCE WITH IDOT STANDARD 701601.
 MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS WITH "TEMPORARY ACCESS" (EACH)

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON NORTHWEST AND SOUTHEAST SIDE OF ROAD.
 1) CONSTRUCT PROPOSED COMBINATION CONCRETE CURB AND GUTTER ON NORTHWEST AND SOUTHEAST SIDE OF ROAD.
 2) CONSTRUCT PROPOSED SIDEWALK ON SOUTHEAST SIDE.
 3) RECONSTRUCT DRIVEWAYS AND ENTRANCES.

STAGE 2

TRAFFIC MAINTAINED ON EXISTING PAVEMENT DURING STAGE 2 CONSTRUCTION.

MAINTENANCE OF TRAFFIC

INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AND SIGNS IN ACCORDANCE WITH IDOT STANDARD 701601.
 MAINTAIN TRAFFIC AT INTERSECTION CONSTRUCTION IN ACCORDANCE WITH IDOT STANDARD 701601.
 MAINTAIN DRIVEWAYS AND ENTRANCE ACCESS WITH "TEMPORARY ACCESS" (EACH)

CONSTRUCTION

CONSTRUCTION TO BE PERFORMED ON NORTHEAST AND SOUTHWEST SIDE OF ROAD.
 1) CONSTRUCT PROPOSED PCC BASE COURSE ON NORTHEAST AND SOUTHWEST OF ROAD.
 2) CONSTRUCT PROPOSED CUL-DE-SAC ON ELM STREET.
 3) CONSTRUCT PROPOSED SIDEWALK ON NORTHEAST SIDE OF ROAD.
 4) RECONSTRUCT DRIVEWAYS AND ENTRANCES.

STAGE 3

TRAFFIC MAINTAINED ON EXISTING AND PROPOSED PAVEMENT DURING STAGE 3 CONSTRUCTION

MAINTENANCE OF TRAFFIC/CONSTRUCTION

1) CONSTRUCT PROPOSED MOUNTABLE AND RAISED MEDIAN

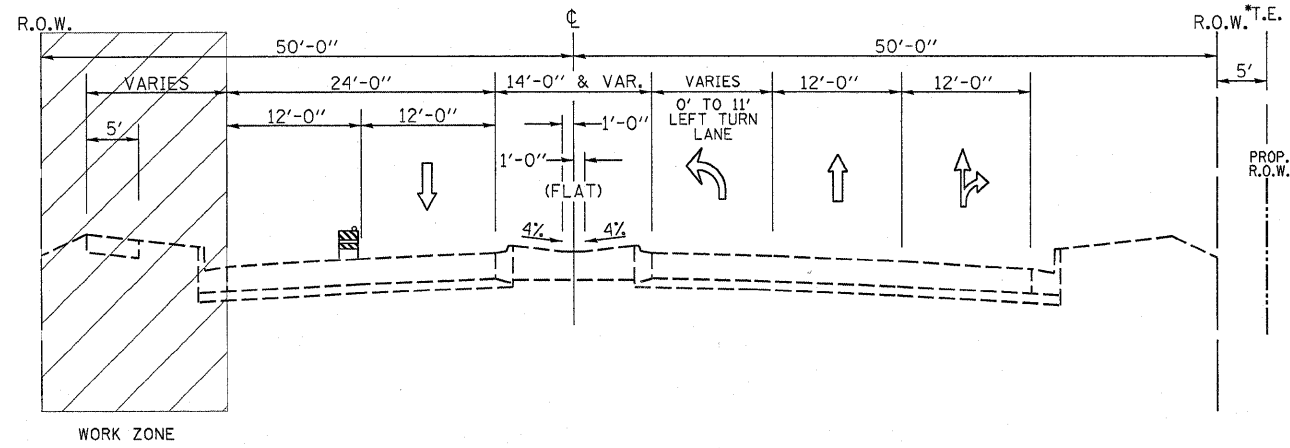
STAGE 4

TRAFFIC MAINTAINED ON EXISTING AND PROPOSED PAVEMENT DURING STAGE 4 CONSTRUCTION

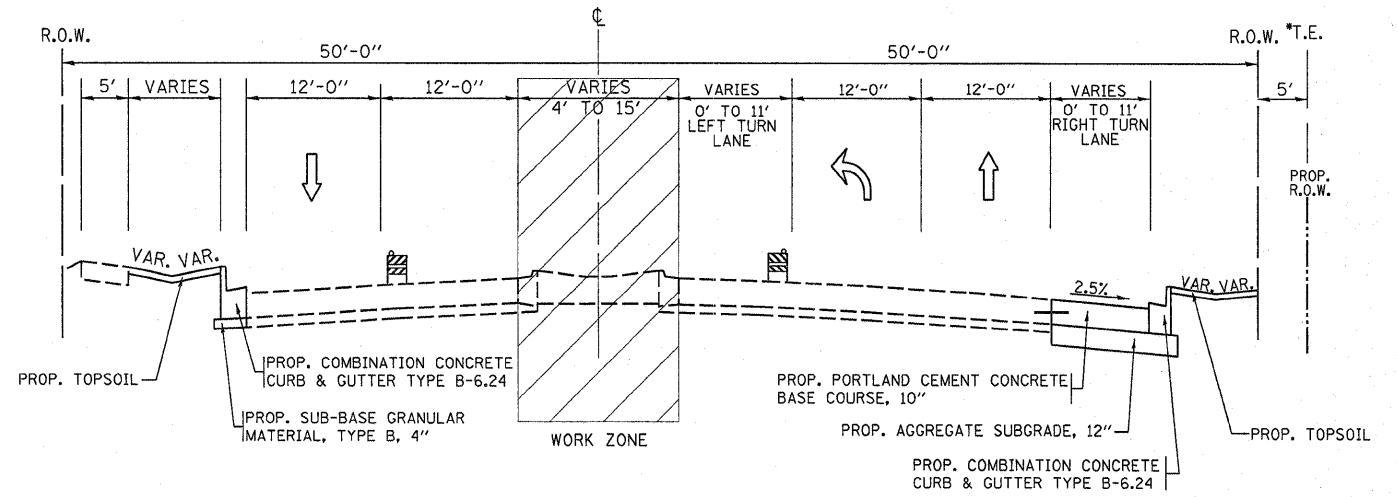
MAINTENANCE OF TRAFFIC/CONSTRUCTION

1) OVERLAY ROADWAY WITH PROPOSED HMA LEVELING BINDER AND PROPOSED SURFACE COURSE.

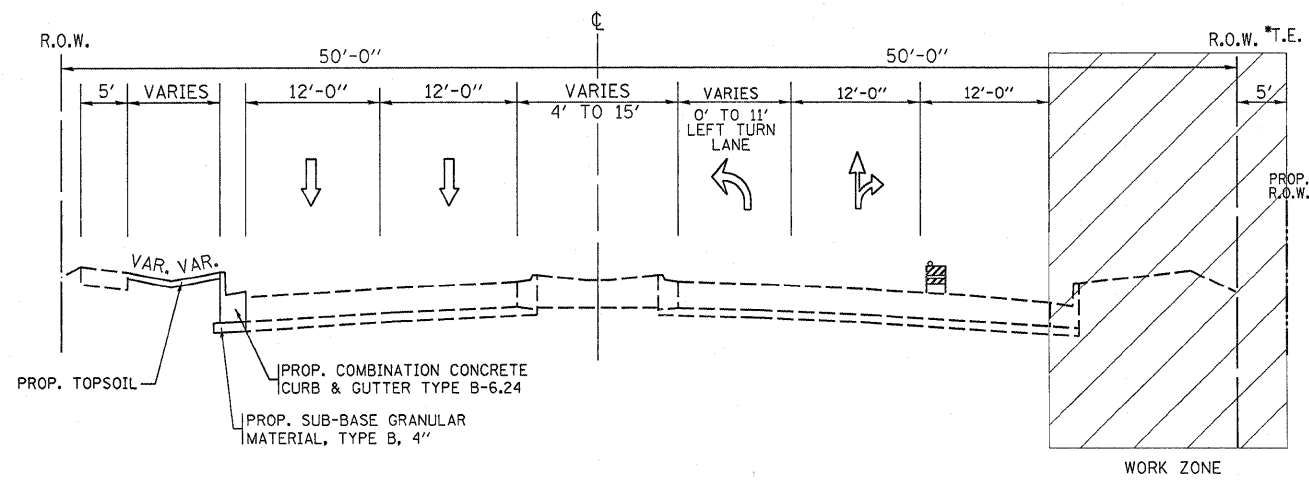
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ct:\pwwork\pwwid\DOT\MIDYJG\A\dms93788\p126	24-Design3.dgn	DRAWN -	REVISED -			339	584 Y-N-1	COOK	61	14	
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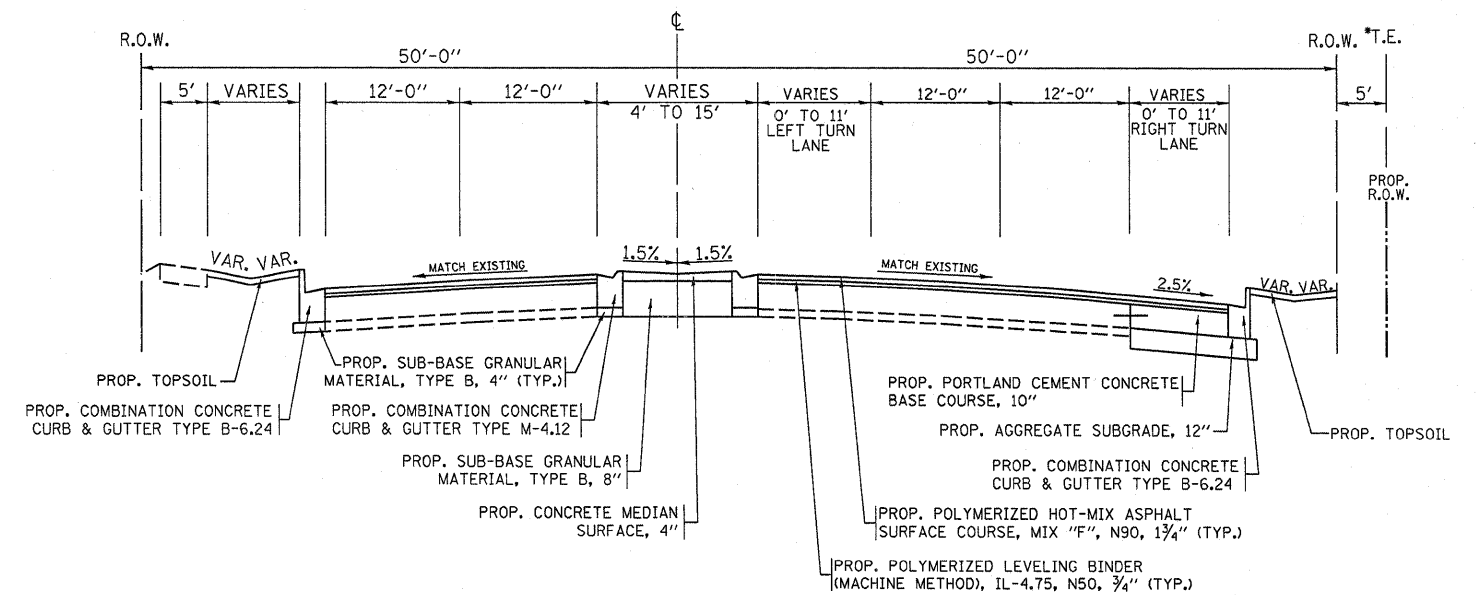
IL 58 (GOLF RD.)
Sta. 9+60 to Sta. 15+00
PROPOSED WIDENING
STAGE 1



IL 58 (GOLF RD.)
Sta. 9+60 to Sta. 15+00
PROPOSED WIDENING
STAGE 3



IL 58 (GOLF RD.)
Sta. 9+60 to Sta. 15+00
PROPOSED WIDENING
STAGE 2



IL 58 (GOLF RD.)
Sta. 9+60 to Sta. 15+00
PROPOSED RESURFACING
STAGE 4

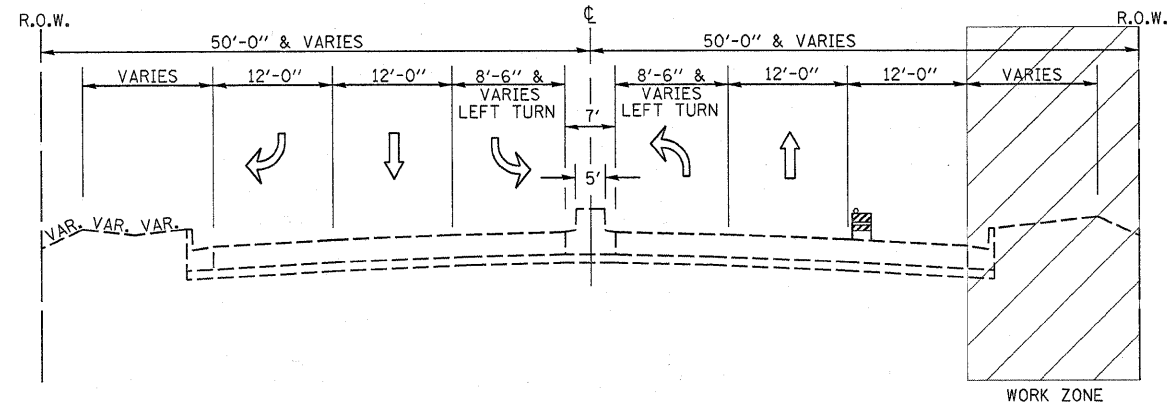
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

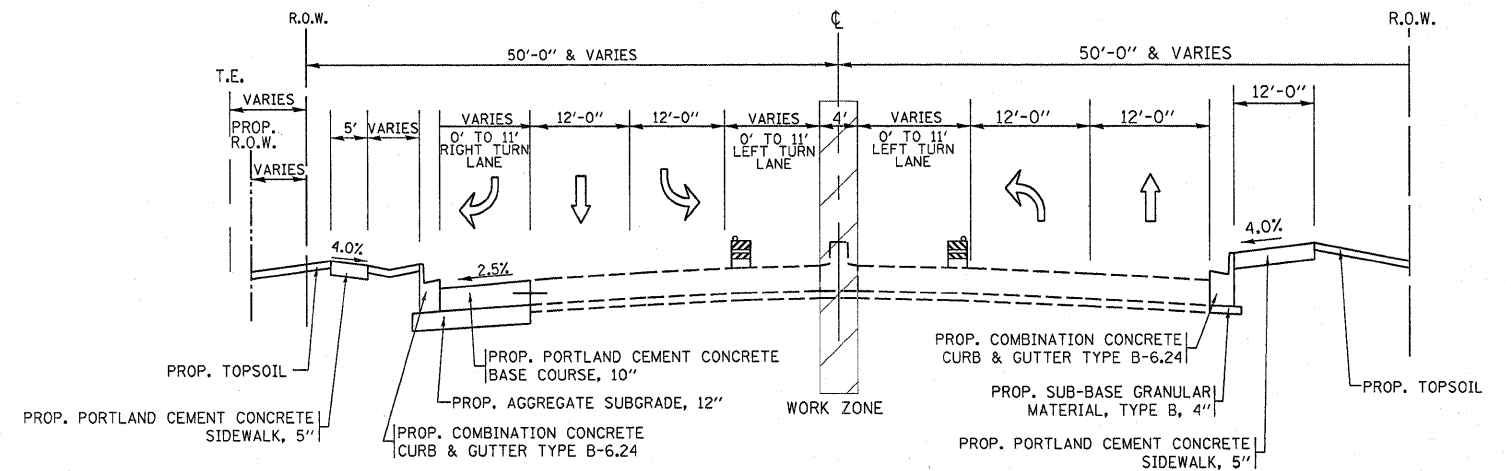
SUGGESTED STAGING AND TRAFFIC CONTROL
(IL ROUTE 58)

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

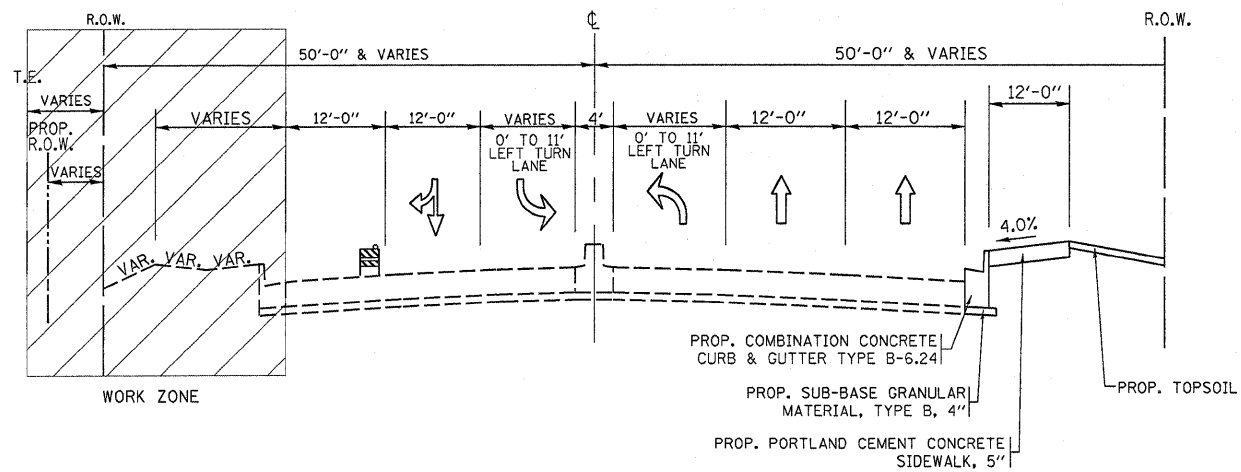
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CONTRACT NO. 60D25				
ILLINOIS FED. AID PROJECT				



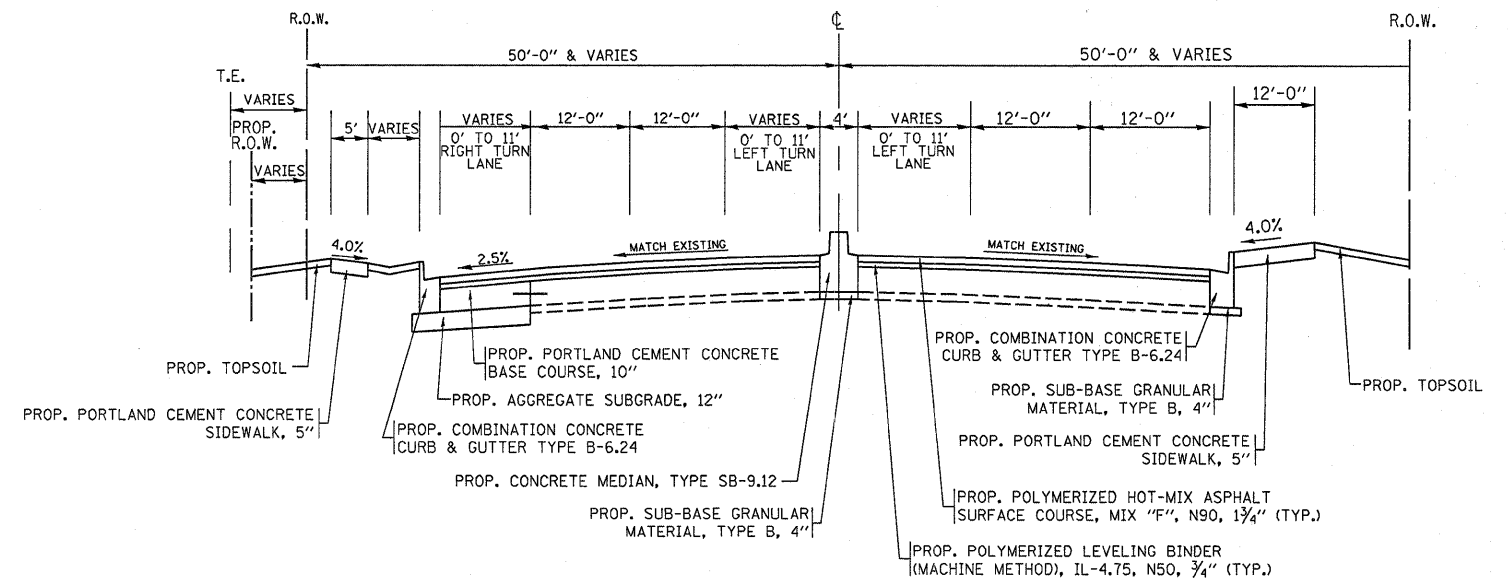
IL 58 (GOLF RD.)
Sta. 15+00 to Sta. 20+36
PROPOSED WIDENING
STAGE 1



IL 58 (GOLF RD.)
Sta. 15+00 to Sta. 20+36
PROPOSED WIDENING
STAGE 3



IL 58 (GOLF RD.)
Sta. 15+00 to Sta. 20+36
PROPOSED WIDENING
STAGE 2



IL 58 (GOLF RD.)
Sta. 15+00 to Sta. 20+36
PROPOSED RESURFACING
STAGE 4

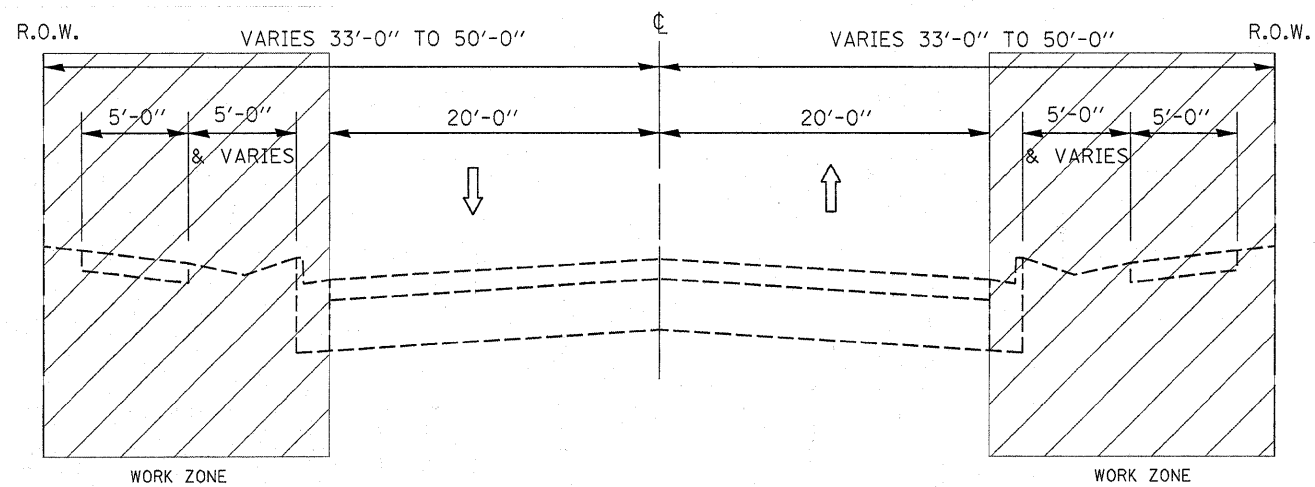
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

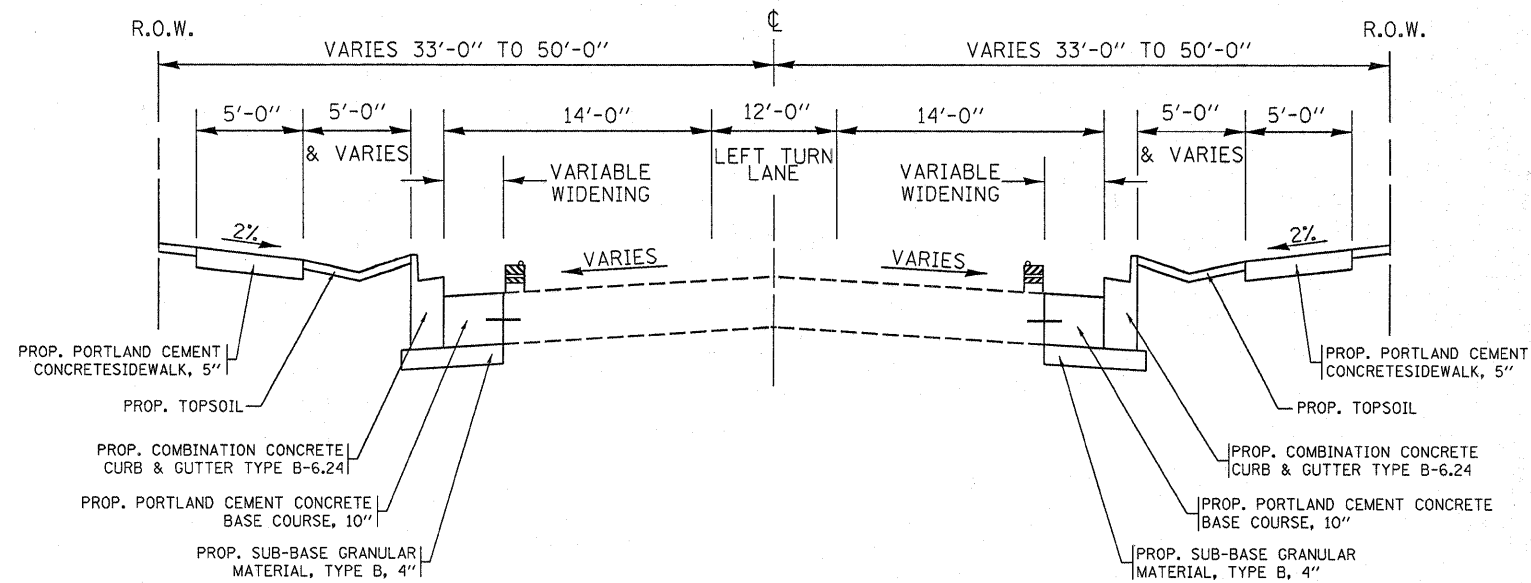
SUGGESTED STAGING AND TRAFFIC CONTROL
(IL ROUTE 58)

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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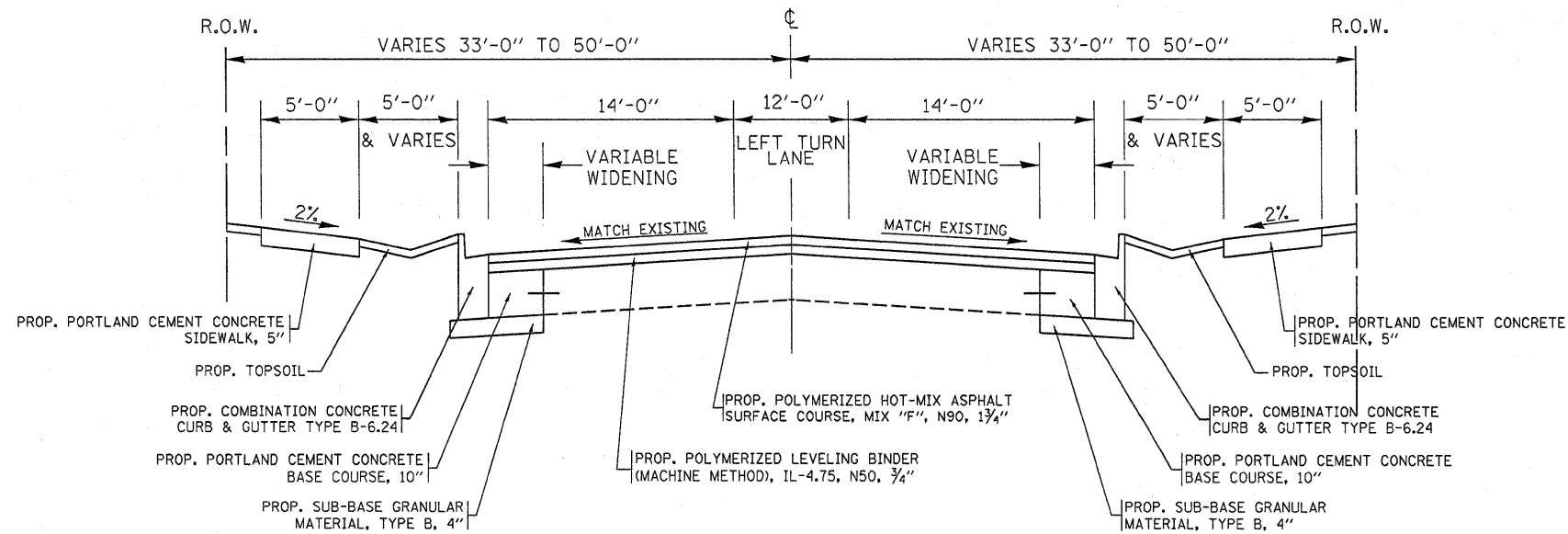
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339	584 Y-N-1	COOK	61	16
CONTRACT NO. 60D25				
ILLINOIS FED. AID PROJECT				



SHERMER RD.
Sta. 97+46.6 to Sta. 101+66.4
PROPOSED WIDENING
STAGE 1 OR 2



SHERMER RD.
Sta. 97+46.6 to Sta. 101+66.4
PROPOSED WIDENING
STAGE 1 OR 2



SHERMER RD.
Sta. 97+46.6 to Sta. 101+66.4
PROPOSED RESURFACING
STAGE 4

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PLOT DATE = 1/28/2010	

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

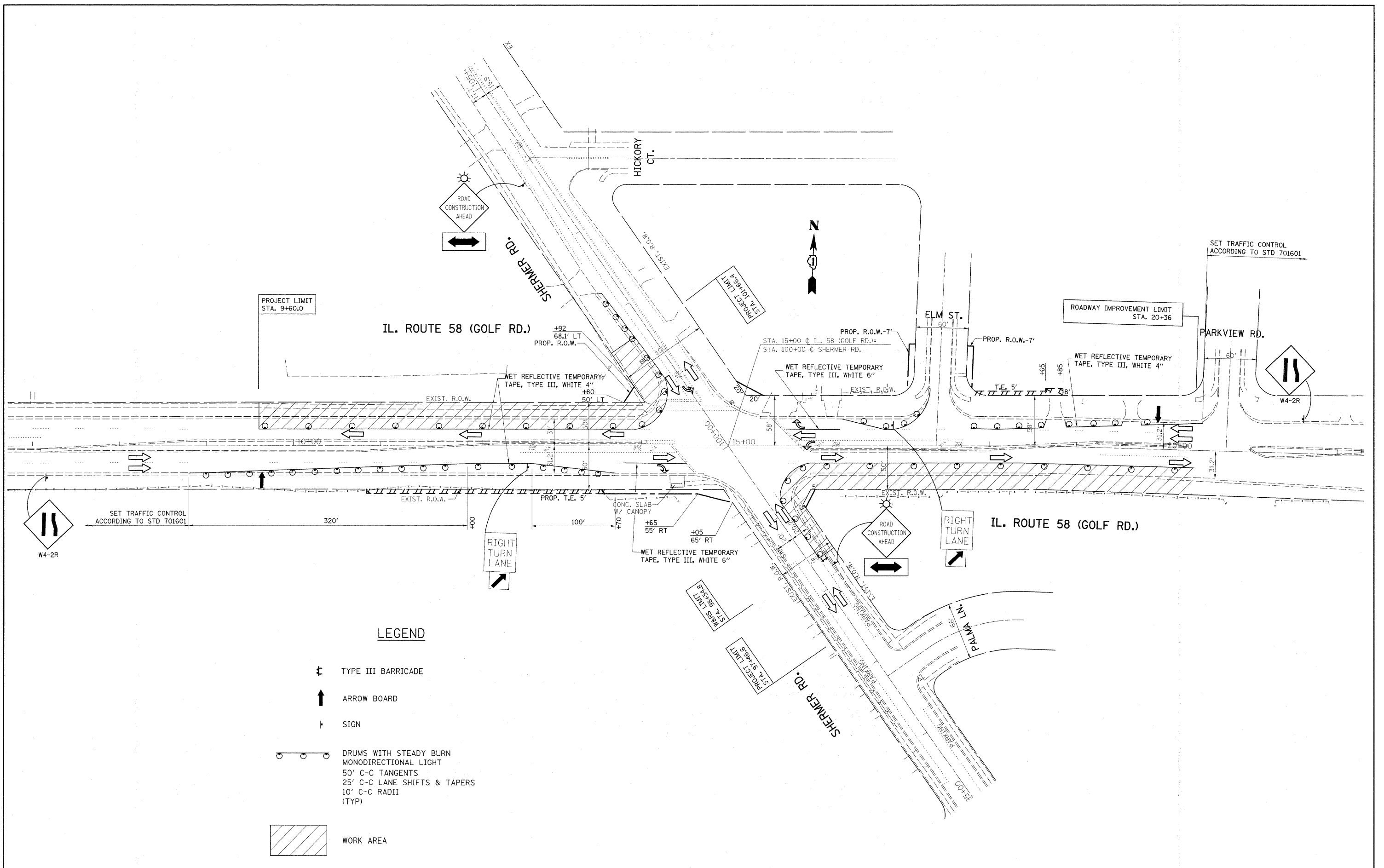
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DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGING AND TRAFFIC CONTROL
(SHERMER RD.)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	17
CONTRACT NO. 60D25				
ILLINOIS FED. AID PROJECT				



LEGEND

- ⚡ TYPE III BARRICADE
- ↑ ARROW BOARD
- ⊥ SIGN
- DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
- 50' C-C TANGENTS
- 25' C-C LANE SHIFTS & TAPERS
- 10' C-C RADII (TYP)
- ▨ WORK AREA

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DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

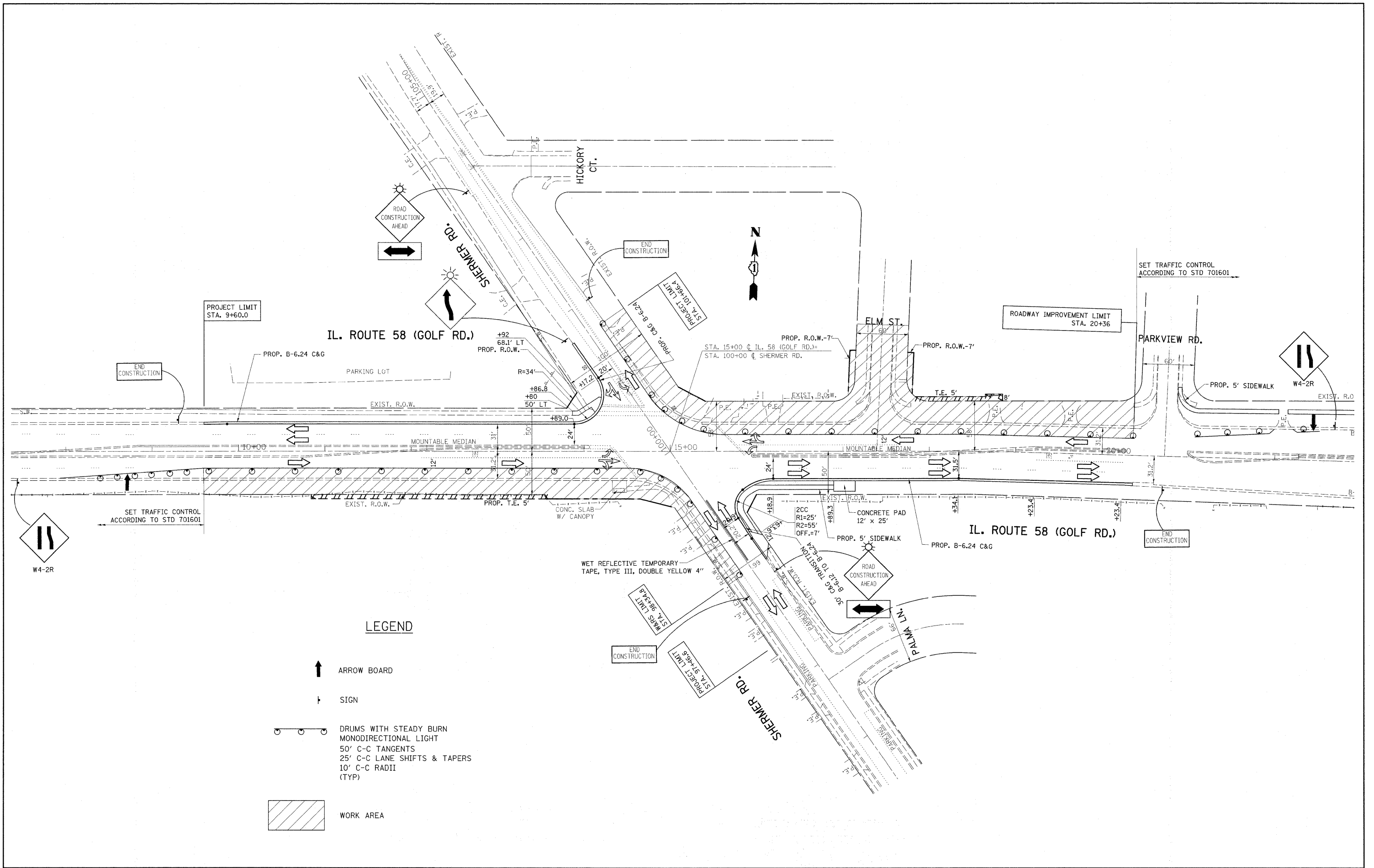
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**



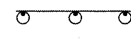




**SUGGESTED STAGE I
 IL. ROUTE 58 @ SHERMER ROAD**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	18
CONTRACT NO. 60D25				
ILLINOIS FED. AID PROJECT				



LEGEND

-  ARROW BOARD
-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  50' C-C TANGENTS
-  25' C-C LANE SHIFTS & TAPERS
-  10' C-C RADII (TYP)
-  WORK AREA

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 PLOT DATE = 3/6/2018

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

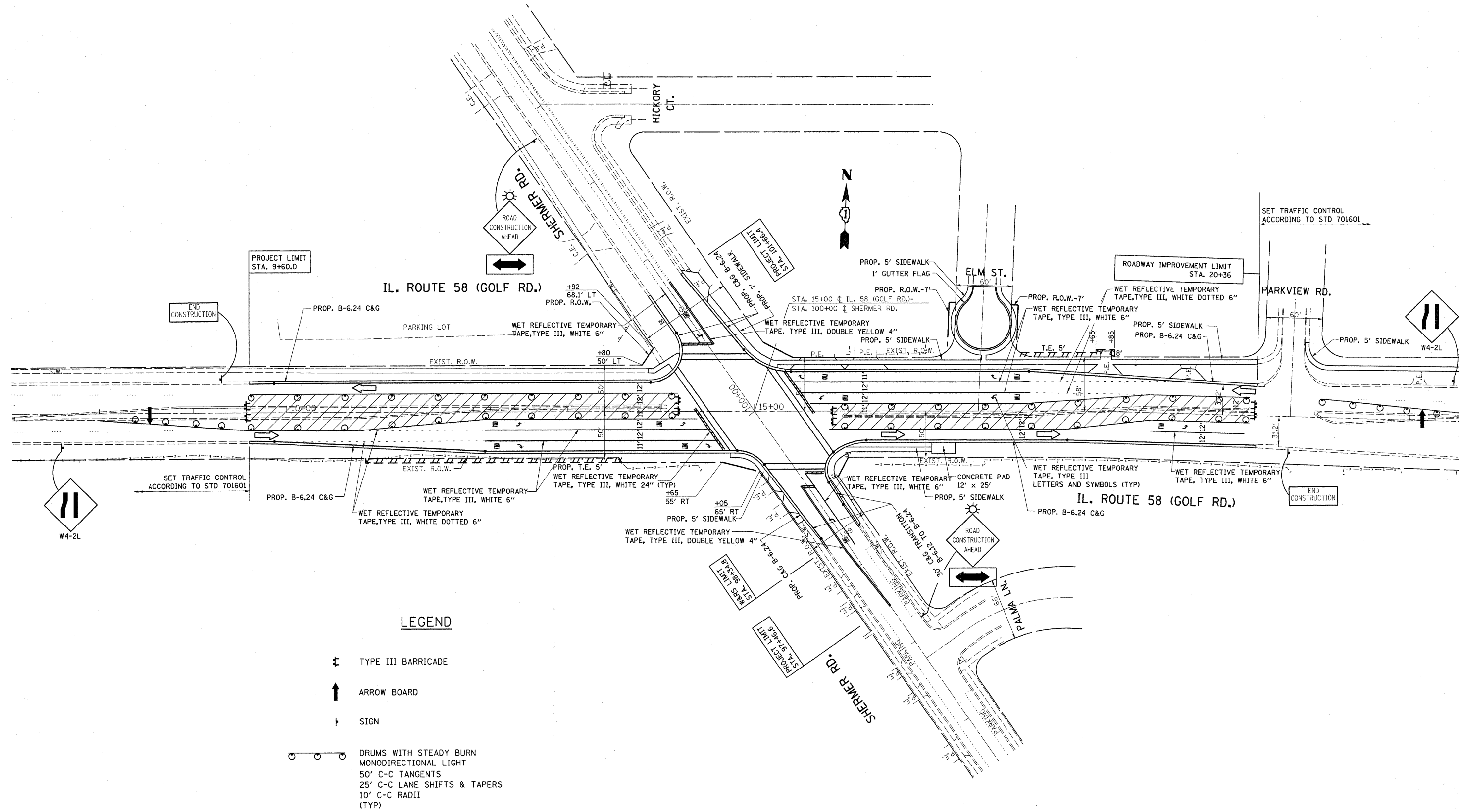
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**




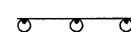




**SUGGESTED STAGE II
 IL. ROUTE 58 @ SHERMER ROAD**

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

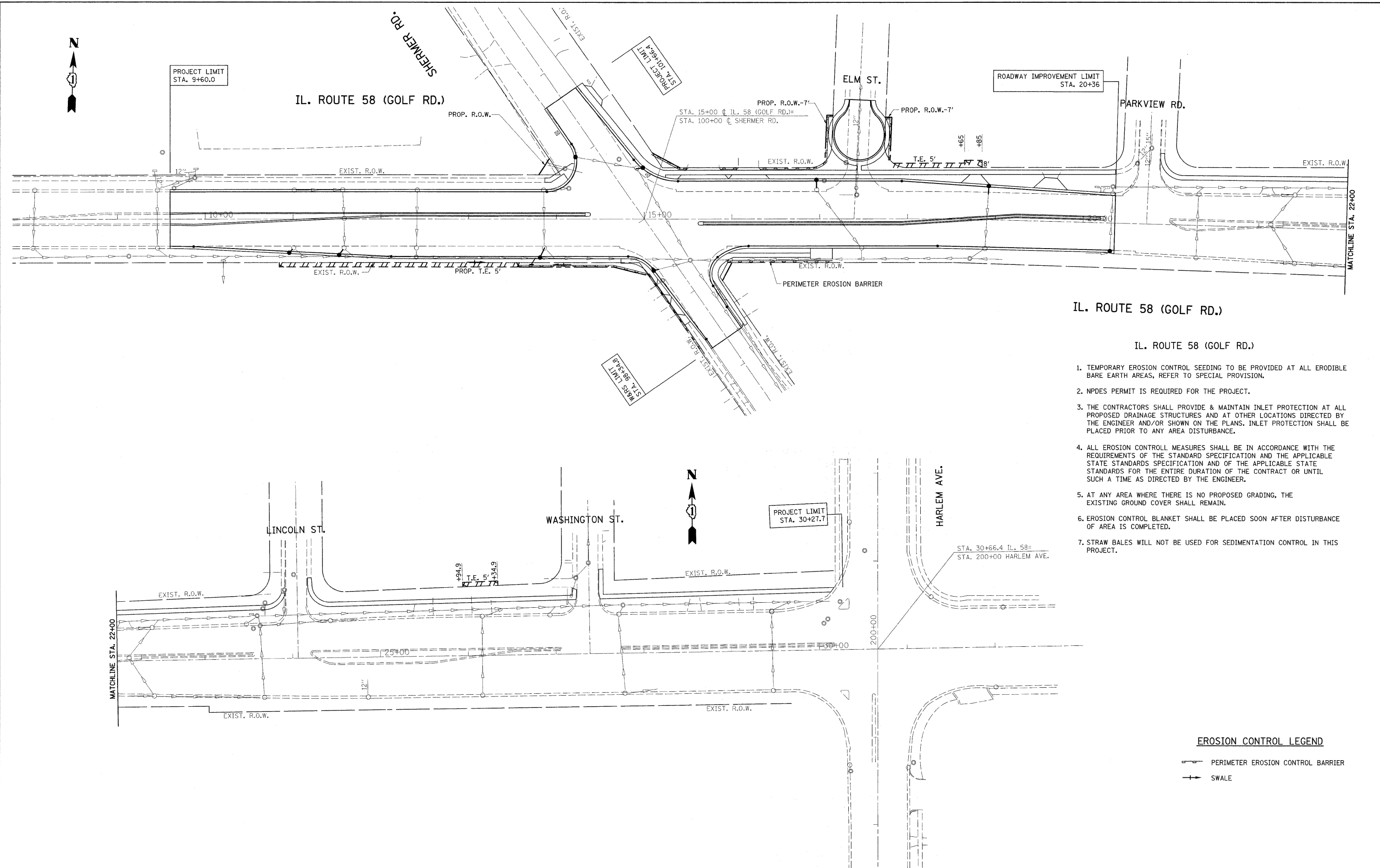
F.A.P. RTE. 339	SECTION 584 Y-N-1	COUNTY COOK	TOTAL SHEETS 61	SHEET NO. 19
CONTRACT NO. 60D25				
ILLINOIS FED. AID PROJECT				



LEGEND

-  TYPE III BARRICADE
-  ARROW BOARD
-  SIGN
-  DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT
-  50' C-C TANGENTS
-  25' C-C LANE SHIFTS & TAPERS
-  10' C-C RADII (TYP)
-  WORK AREA

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	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		339	584 Y-N-1	COOK	61	20			
PLOT DATE = 6/16/2010	CHECKED -	REVISED -	REVISED -	SCALE: 1"=50'			SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 60D25		
	DATE -	REVISED -	REVISED -	ILLINOIS FED. AID PROJECT								



IL. ROUTE 58 (GOLF RD.)

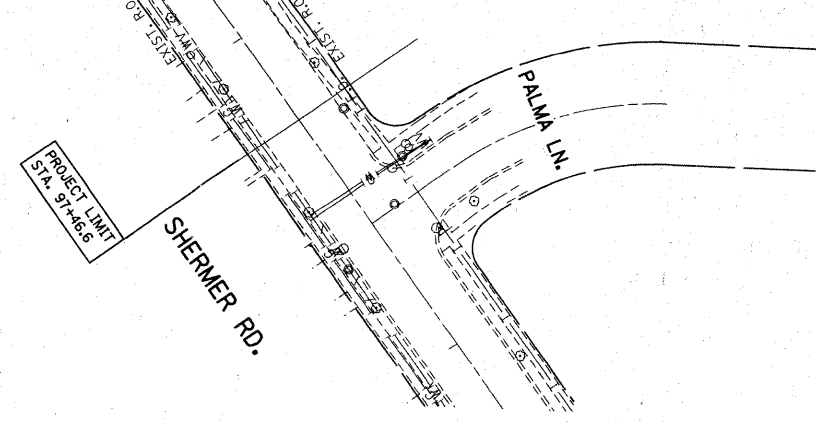
IL. ROUTE 58 (GOLF RD.)

1. TEMPORARY EROSION CONTROL SEEDING TO BE PROVIDED AT ALL ERODIBLE BARE EARTH AREAS, REFER TO SPECIAL PROVISION.
2. NPDES PERMIT IS REQUIRED FOR THE PROJECT.
3. THE CONTRACTORS SHALL PROVIDE & MAINTAIN INLET PROTECTION AT ALL PROPOSED DRAINAGE STRUCTURES AND AT OTHER LOCATIONS DIRECTED BY THE ENGINEER AND/OR SHOWN ON THE PLANS. INLET PROTECTION SHALL BE PLACED PRIOR TO ANY AREA DISTURBANCE.
4. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATION AND THE APPLICABLE STATE STANDARDS SPECIFICATION AND OF THE APPLICABLE STATE STANDARDS FOR THE ENTIRE DURATION OF THE CONTRACT OR UNTIL SUCH A TIME AS DIRECTED BY THE ENGINEER.
5. AT ANY AREA WHERE THERE IS NO PROPOSED GRADING, THE EXISTING GROUND COVER SHALL REMAIN.
6. EROSION CONTROL BLANKET SHALL BE PLACED SOON AFTER DISTURBANCE OF AREA IS COMPLETED.
7. STRAW BALES WILL NOT BE USED FOR SEDIMENTATION CONTROL IN THIS PROJECT.

EROSION CONTROL LEGEND

- PERIMETER EROSION CONTROL BARRIER
- SWALE

FILE NAME =	USER NAME = msdyje	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 58 (GOLF RD.) EROSION CONTROL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es:\pwork\pwork\DOT\MIDYJA\dms93786\1267	04-shr-erosoc.dgn	DRAWN -	REVISED -		SCALE: 1"=50'	SHEET NO. OF SHEETS	339	584 Y-N-1	COOK	61	21
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	PLOT DATE = 6/16/2010	DATE -	REVISED -								
ILLINOIS FED. AID PROJECT											



STATE OF ILLINOIS)
 COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 30TH DAY OF JUNE AND THE 11TH DAY OF JULY 11TH, A.D., 2008.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 25TH DAY OF JULY A.D., 2008. CHICAGO, IL.



Steven M. Rienks 7/25/08
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER
 ENGINEER NUMBER 62-044619
 MY LICENSE EXPIRES 11/30/2009

NOTES:

1. HORIZONTAL CONTROL, VERTICAL CONTROL, CENTERLINE ALIGNMENT, AND TOPOGRAPHIC FEATURES WERE SUPPLIED BY ILLINOIS DEPARTMENT OF TRANSPORTATION, DESIGN NUMBER D-91-267-04, DATED MAY 6, 2008.

LEGEND

— T —	EXISTING UNDERGROUND TELEPHONE
— W —	EXISTING UNDERGROUND WATER
— E —	EXISTING UNDERGROUND ELECTRIC
— G —	EXISTING UNDERGROUND GAS
— CTV —	EXISTING UNDERGROUND CABLE TV

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL. RTE. 58 (GOLF ROAD)
 AT SHERMER ROAD.
 SUE INVESTIGATION OF
 UNDERGROUND UTILITIES

SCALE: VERT. 1"=50'
 HORIZ. DATE 7/25/2008

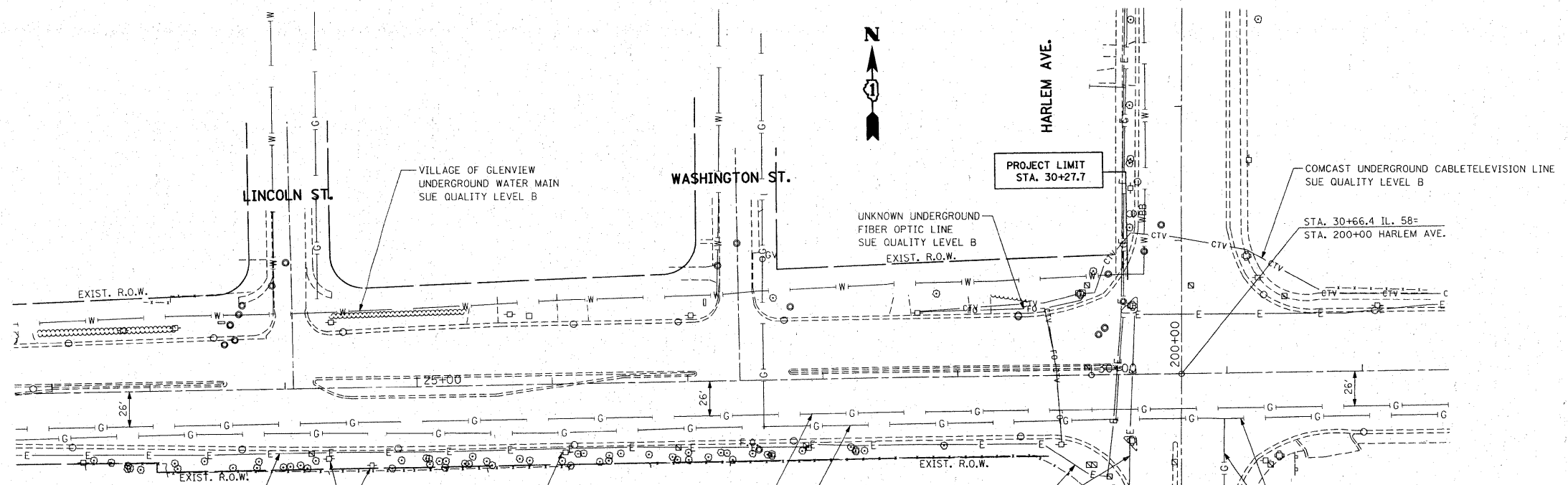
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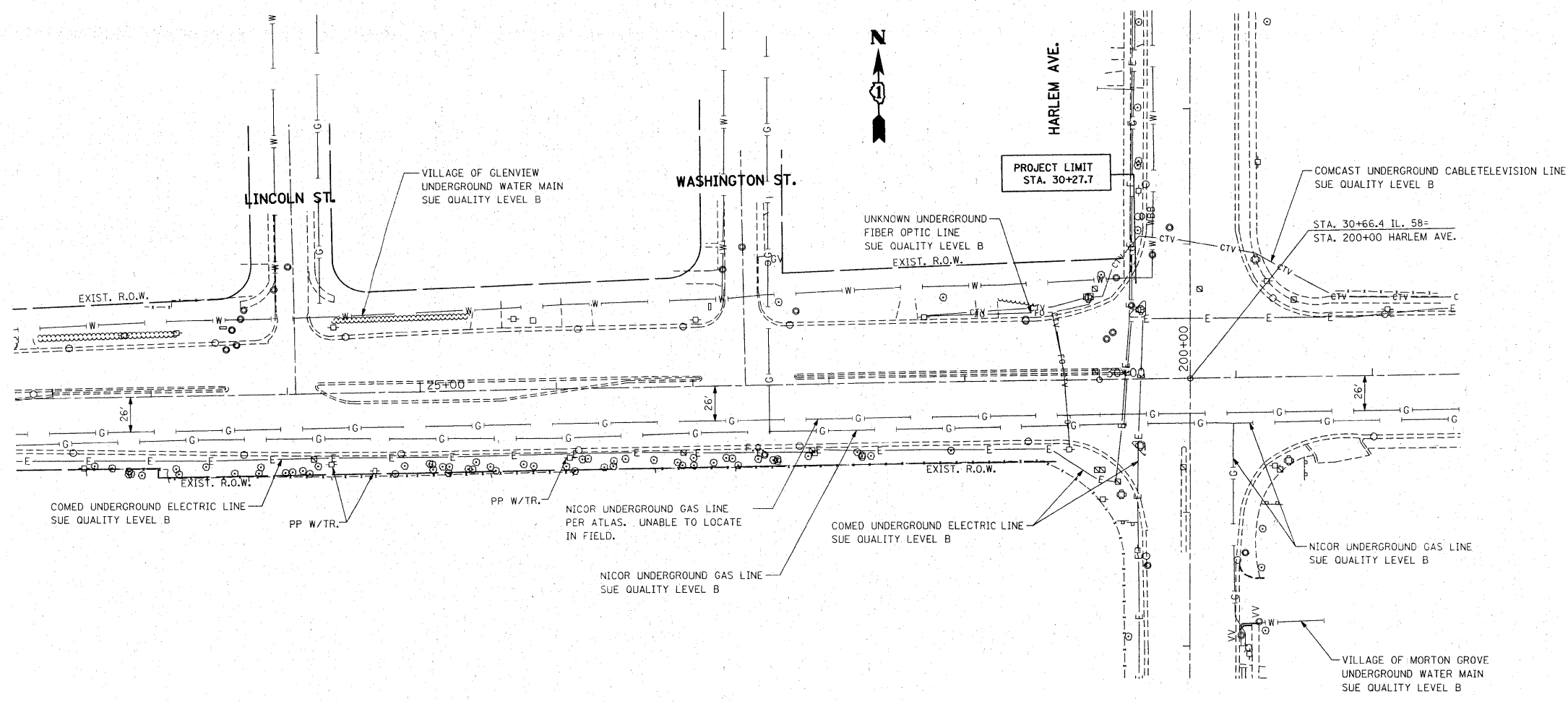
CONTRACT NO. 60D25

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	23

STA. 23+00 TO STA. 31+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	23
STA. 23+00		TO STA. 31+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STATE OF ILLINOIS)
 COUNTY OF COOK) S.S.

UTILITY(IES) SHOWN HEREON HAVE BEEN INVESTIGATED BY ASE IN ACCORDANCE WITH SUE INDUSTRY STANDARDS QUALITY LEVEL B (QLB). ALL OTHER INFORMATION SHOWN HAS BEEN PROVIDED BY OTHERS.

FIELD WORK WAS PERFORMED BETWEEN THE 30TH DAY OF JUNE AND THE 11TH DAY OF JULY 11TH, A.D., 2008.

IN WITNESS WHEREOF, I HAVE HEREUNTO SET MY HAND AND SEAL THIS 25TH DAY OF JULY A.D., 2008. CHICAGO, IL.



Steven M. Rienks 7/25/08
 STEVEN M. RIENKS - ILLINOIS PROFESSIONAL ENGINEER NUMBER 62-044619
 MY LICENSE EXPIRES 11/30/2009

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LEGEND

— T —	EXISTING UNDERGROUND TELEPHONE
— W —	EXISTING UNDERGROUND WATER
— E —	EXISTING UNDERGROUND ELECTRIC
— G —	EXISTING UNDERGROUND GAS
— CTV —	EXISTING UNDERGROUND CABLE TV

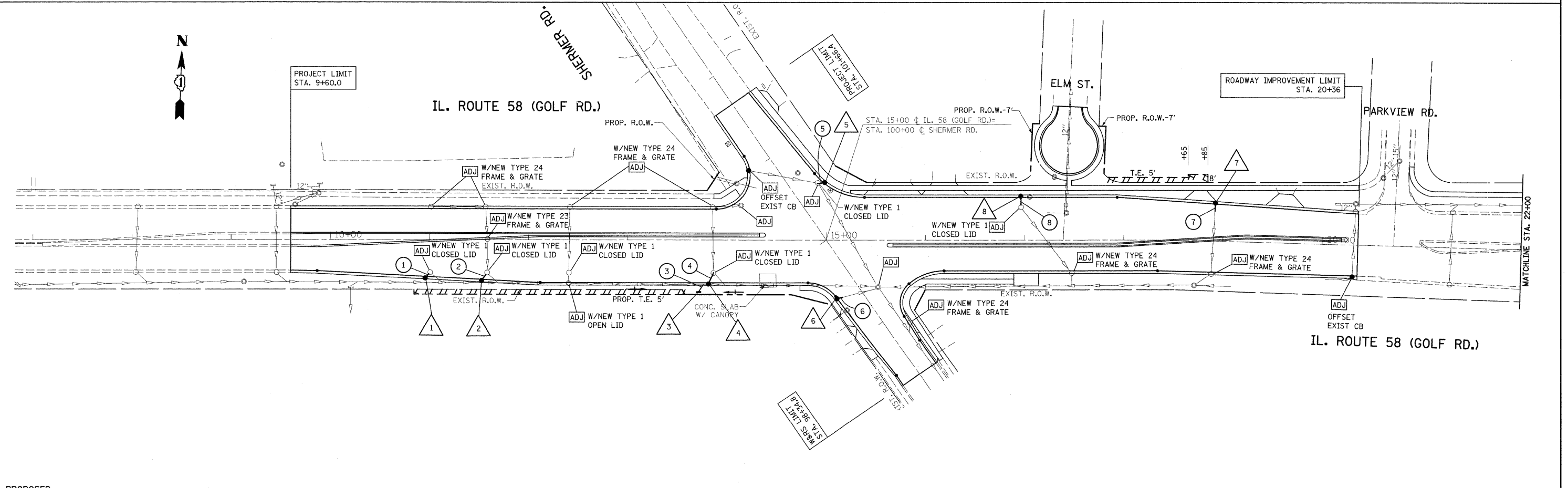
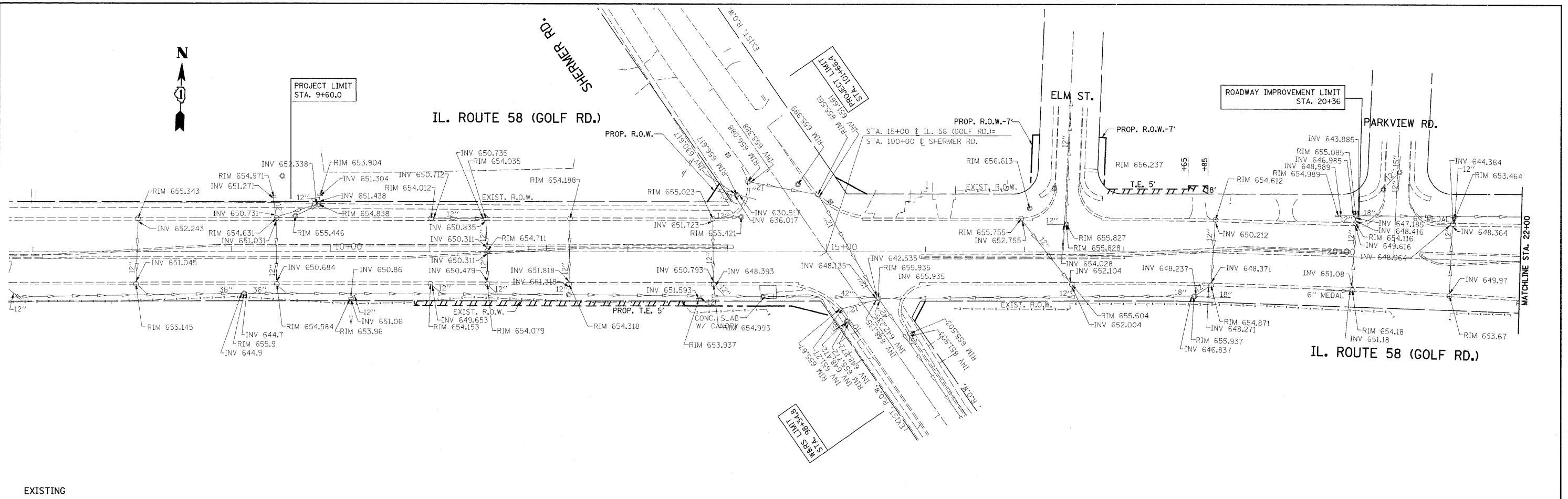
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 IL. RTE. 58 (GOLF ROAD)
 AT SHERMER ROAD.
 SUE INVESTIGATION OF
 UNDERGROUND UTILITIES

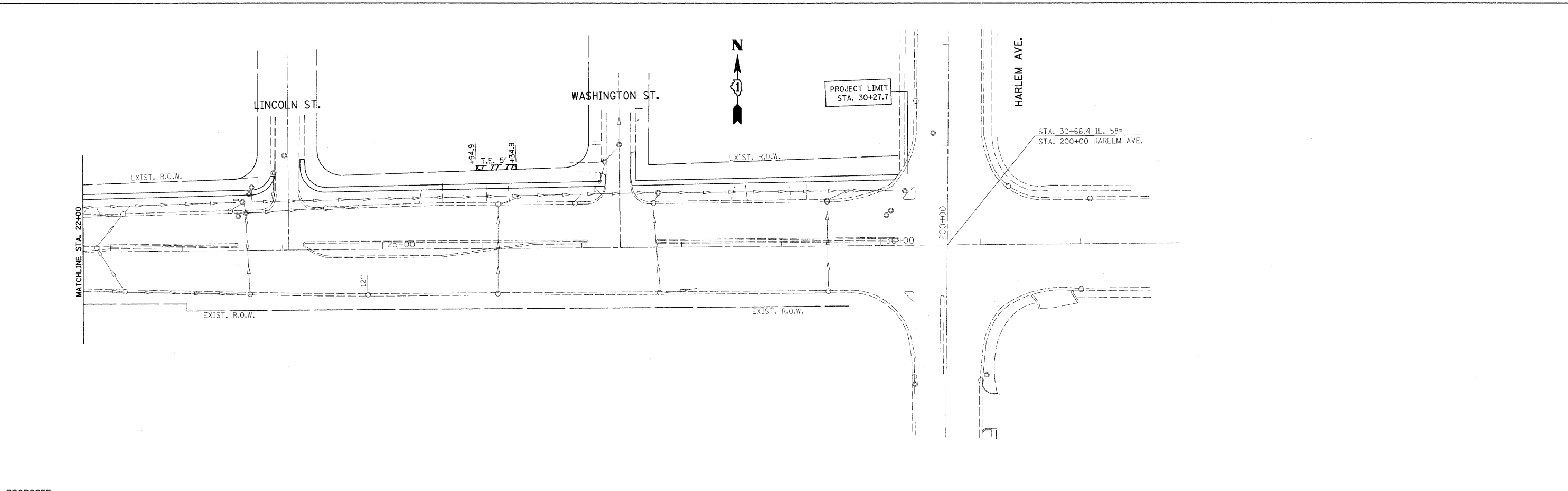
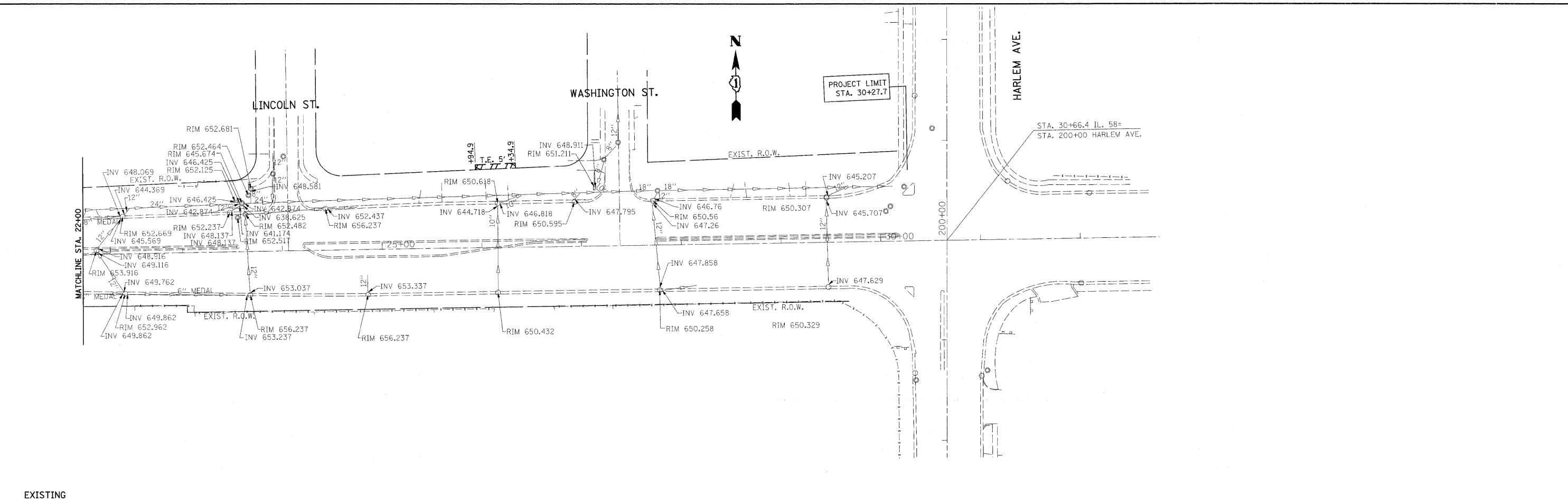
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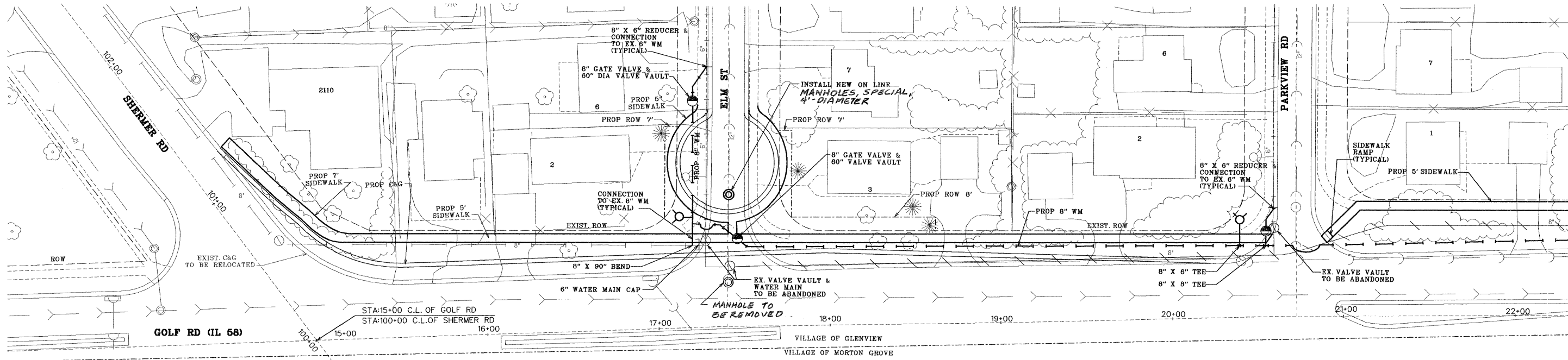


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PLOT SCALE = 50.0000' / IN. PLOT DATE = 6/16/2010				SCALE: 1"=50' SHEET NO. OF SHEETS STA. 9+60 TO STA. 22+00		ILLINOIS FED. AID PROJECT		



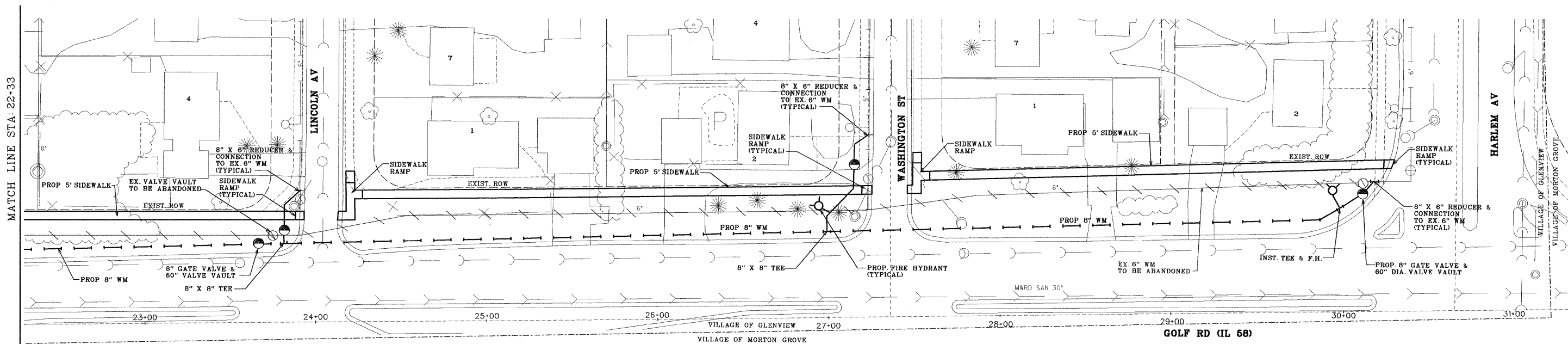
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PLOT SCALE = 50,0000' / IN. PLOT DATE = 6/16/2010		SCALE:	SHEET NO. OF SHEETS	STA. 22+00 TO STA. 32+00		ILLINOIS FED. AID PROJECT							

DRAWN BY: K.S.	GOLF ROAD (SHERMER ROAD- HARLEM AVENUE)	Village of Glenview C.P.P.	SHEET NO. 1
CHECKED BY: E.L.		Department	TOTAL PAGES 1
DATE: 01-13-2010	SITE PLAN		CONTRACT: 60025
SCALE: 1"=30'			



LEGEND

EXISTING	PROPOSED	
		PCC SIDEWALK
		WATERMAIN (WM)
		CURB & GUTTER
		ABANDONED WATERMAIN



E-04-29

Rev.	E.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	330	484 Y-N-1	COOK	61	26

PART OF THE SE 14 OF SECTION 12 AND NE 14 OF SECTION 13, TWP. 41 N., R 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
OGRO001	GLENVIEW EVANGELICAL FREE CHURCH	3.003	0.005	205	N/A	2.998	N/A	N/A	09-12-400-004 09-12-400-005	
OGRO002TE	JOHN & BARBARA HARTZ	0.165	N/A	N/A	N/A	0.165	0.007	300	TEMPORARY	09-13-205-009
OGRO003TE	ARNOLD AND SARA BEZIN	0.165	N/A	N/A	N/A	0.165	0.007	300	TEMPORARY	09-13-205-010
OGRO004TE	HERBERT WASSERMAN	0.172	N/A	N/A	N/A	0.172	0.008	368	TEMPORARY	09-13-205-011
OGRO005TE	NADEEM BHIMANI	0.224	N/A	N/A	N/A	0.224	0.010	N/A	TEMPORARY	09-13-205-012
OGRO006	BERC & ZARUHI SAKALOGU	0.250	0.020	N/A	N/A	0.230	N/A	N/A	09-13-205-020	
OGRO007	KATHERINE & VINO VIJAYAN	0.186	0.004	164	N/A	0.182	N/A	N/A	09-12-442-007	
OGRO008	ELIAS & ATHANASTIA DAGRIZIKOS, AS TRUSTEE	0.146	0.007	323	N/A	0.139	N/A	N/A	09-12-442-010	
OGRO009	LEONIDES & OPERUS DE LOS REYES	0.246	0.002	92	N/A	0.244	N/A	N/A	09-13-209-001	

LEGEND

SECTION CORNER 9 10 16 15 SECTION CORNER

SECTION LINE
 QUARTER SECTION LINE
 QUARTER, QUARTER SECTION LINE
 PLATTED LOT LINES
 PROPERTY (DEED) LINE
 APPL
 APPARENT PROPERTY LINE
 CENTERLINE
 EXISTING RIGHT OF WAY LINE
 PROPOSED RIGHT OF WAY LINE
 PROPOSED EASEMENT
 MEASURED DIMENSION
 COMPUTED DIMENSION
 RECORDED DIMENSION
 EXISTING BUILDING

GRAPHIC SCALE
 FEET
 0 40.80
 SCALE: 1" = 40'

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
 CUT CROSS FOUND OR SET

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 T2
 T3

BT1 THESE STAKES IN CULTIVATED AREAS REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
 BT2
 BT3

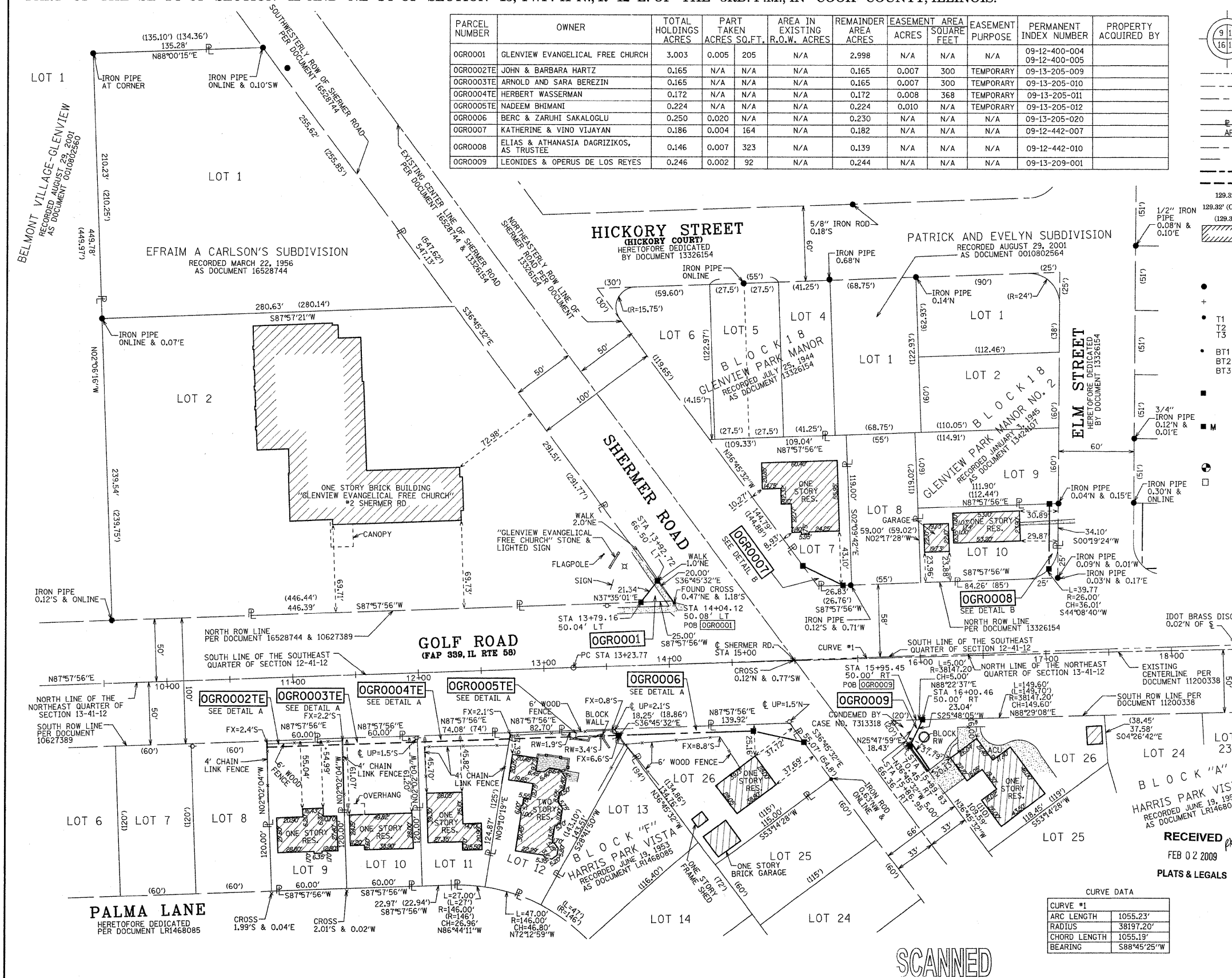
STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

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

PROJECT COORDINATE VALUES AND BEARINGS ARE BASED ON ILLINOIS STATE PLANE, EAST ZONE. REFERENCE ELLIPSOID, WGS 1984 WITH A COMBINED SCALE FACTOR OF 0.99997190988.

NOTES:
 1. ALL STATIONING SHOWN HEREON ARE GRID DISTANCES IN FEET.
 2. ALL OFFSETS AND COORDINATES SHOWN HEREON ARE GRID DISTANCES.
 3. ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
 4. FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON, REFER TO YOUR ABSTRACT, DEEDS, CONTRACTS AND ZONING ORDINANCES.



STATE OF ILLINOIS)
 COUNTY OF COOK) SS

THIS IS TO CERTIFY THAT WE, SPACECO, INC. AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-001157, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 12 & 13, TOWNSHIP 41 NORTH, RANGE 12 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 _____, ILLINOIS THIS _____ DAY OF _____ 20____ A.D.

REBECCA Y. POPECK
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

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

RECEIVED
 FEB 02 2009
 PLATS & LEGALS

CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS

9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 696-4060 Fax: (847) 696-4065

CURVE DATA

CURVE #1	
ARC LENGTH	1055.23'
RADIUS	38197.20'
CHORD LENGTH	1055.19'
BEARING	S88°45'25"W

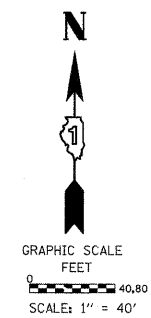
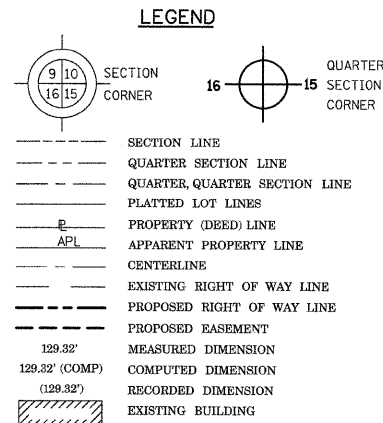
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		DRAWN - JM	REVISED - 02/02/09 - RYP		SEC: 12 & 13	T 41 N, R 12 E OF 3RD P.M.	PROJECT#	
		CHECKED - RYP	REVISED -		SCALE: 1" = 40'	SHEET NO. 2 OF 5 SHEETS	STA 10+00 TO STA 17+50	CONTRACT NO.
		DATE - 11/07/08	REVISED -					

PART OF THE SE 1/4 OF SECTION 12 AND NE 1/4 OF SECTION 13, TWP. 41 N., R 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

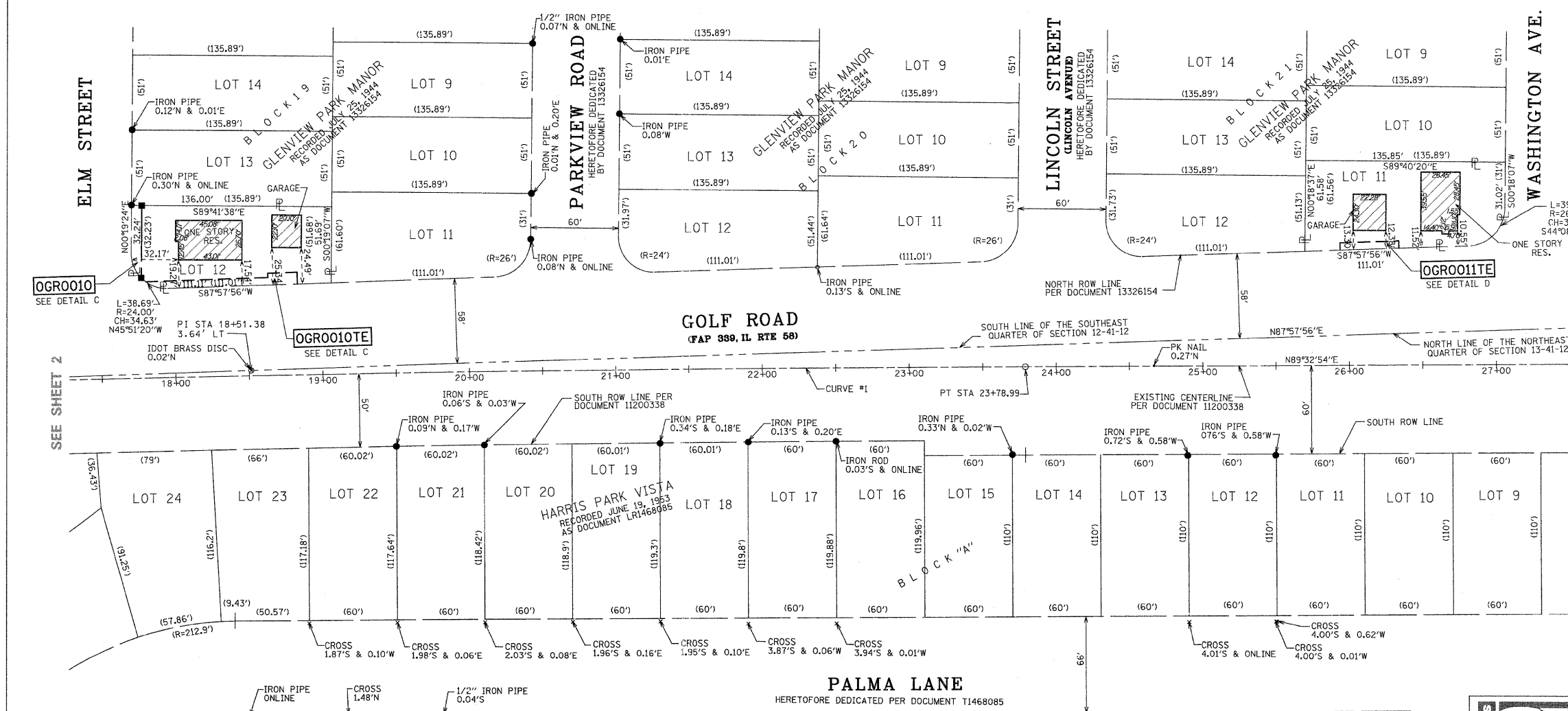
PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	SQ. FT.	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
OGRO010	LASALLE NATIONAL TRUST, AS TRUSTEE, FOR TRUST NO. 120630	0.167	0.007	307	N/A	0.147	0.013	N/A	TEMPORARY 09-12-443-011	
OGRO011TE	ROCCO & NERISSA ALLEGRETTI	0.180	N/A	N/A	N/A	0.180	0.005	200	TEMPORARY 09-12-445-022	

CURVE DATA

CURVE #1	ARC LENGTH	1055.23'
	RADIUS	38197.20'
	CHORD LENGTH	1055.19'
	BEARING	S88°45'25"W



- Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.
- IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
 - + CUT CROSS FOUND OR SET
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STATE OF ILLINOIS)
 COUNTY OF COOK)

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DATED AT ROSEMONT, ILLINOIS THIS _____ DAY OF JANUARY 2009 A.D.

REBECCA Y. POPECK
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

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



CONSULTING ENGINEERS
 SITE DEVELOPMENT ENGINEERS
 LAND SURVEYORS

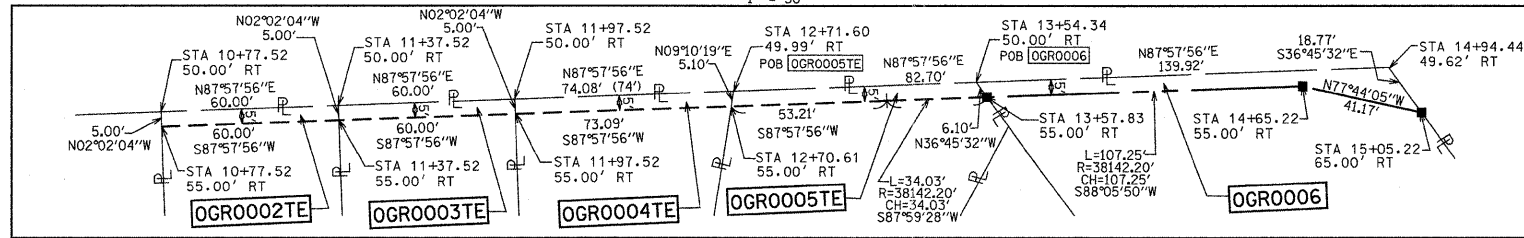
9575 W. Higgins Road, Suite 700,
 Rosemont, Illinois 60018
 Phone: (847) 694-4060 Fax: (847) 694-4065

RECEIVED
 MAY 14 2009
 PLATS & LEGALS

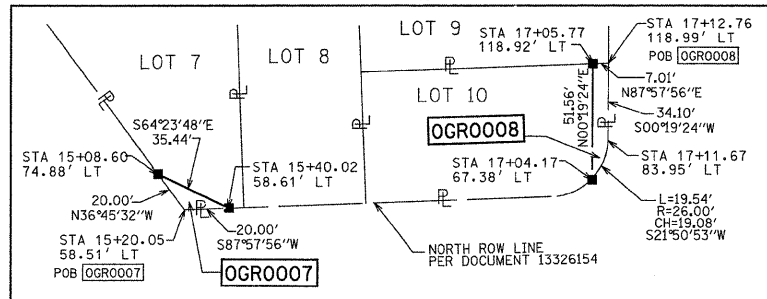
FILE NAME =	USER NAME = #USERS	DESIGNED -	REVISED - 01/23/09 - RYP	ILLINOIS DEPARTMENT OF TRANSPORTATION PLAT OF HIGHWAYS	ROUTE: FAP 339	SECTION: AT SHERMER RD	COUNTY: COOK	JOB# R-90-001-06	
#FILES#		DRAWN - JM	REVISED - 02/02/09 - RYP		SEC: 12 & 13	T 41 N, R 12 E OF 3RD P.M.	PROJECT#		
		CHECKED - RYP	REVISED - 05/14/09 - RYP		SCALE: 1" = 40'	SHEET NO. 3 OF 5 SHEETS	STA 17+50	TO STA 27+00	CONTRACT NO.
		DATE - 11/07/08	REVISED -						

PART OF THE SE 1/4 OF SECTION 12 AND NE 1/4 OF SECTION 13, TWP. 41 N., R 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.

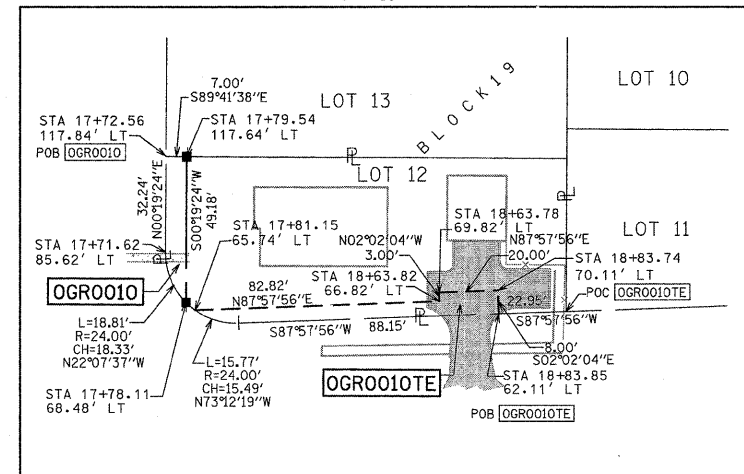
DETAIL A
1" = 30'



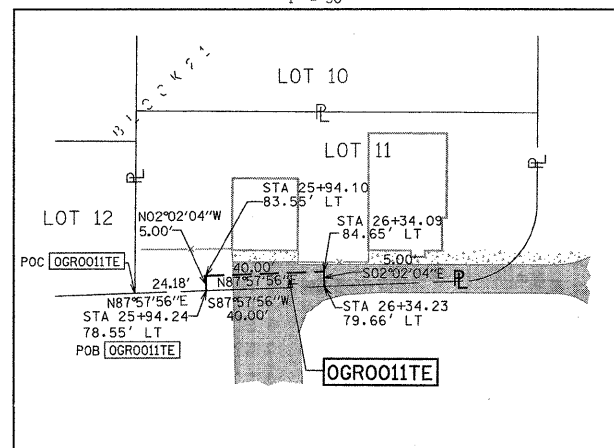
DETAIL B
1" = 40'



DETAIL C
1" = 30'



DETAIL D
1" = 30'



LEGEND

SECTION CORNER (9 10 16 15) QUARTER SECTION CORNER (16 15)

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

MEASURED DIMENSION (129.32')
 COMPUTED DIMENSION (129.32')
 RECORDED DIMENSION
 EXISTING BUILDING

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, as provided by the Illinois Department of Transportation.

● IRON PIPE OR ROD FOUND ○ REPLACED AFTER CONSTRUCTION
 + CUT CROSS FOUND OR SET
 • T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
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 □ RIGHT OF WAY STAKING PROPOSED TO BE SET

GRAPHIC SCALE
 FEET
 SCALE: 1" = 40'

STATE OF ILLINOIS)
) JSS
 COUNTY OF COOK)

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

REBECCA Y. POPECK
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

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

RECEIVED
 FEB 02 2009
 PLATS & LEGALS

SCANNED



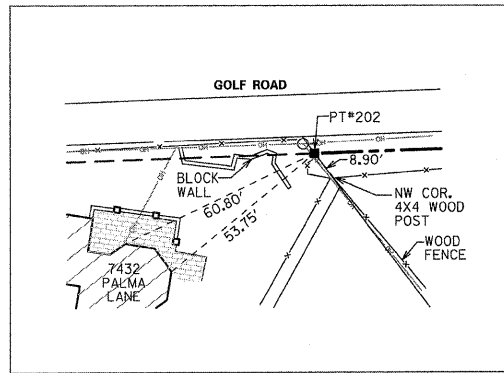
CONSULTING ENGINEERS
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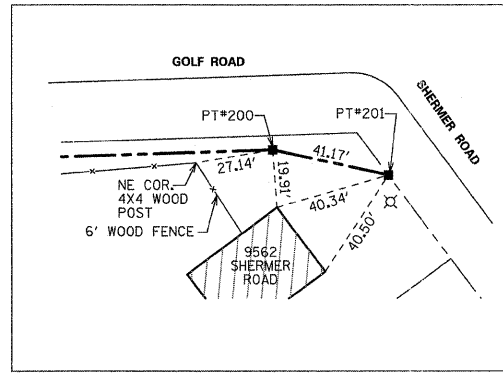
FILE NAME = 5276-13HWY04.dgn	USER NAME = RPOPECK	DESIGNED -	REVISED - 01/23/09 - RYP	ILLINOIS DEPARTMENT OF TRANSPORTATION PLAT OF HIGHWAYS	ROUTE: FAP 339	SECTION: AT SHERMER RD	COUNTY: COOK	JOB# R-90-001-06	
		DRAWN - JM	REVISED - 02/02/09 - RYP		SEC: 12 & 13	T 41 N, R 12 E OF 3RD P.M.	PROJECT#		
		CHECKED - RYP	REVISED -		SCALE: N/A	SHEET NO. 4 OF 5 SHEETS	STA N/A	TO STA N/A	CONTRACT NO.
		DATE - 11/07/08	REVISED -						

29 of 61

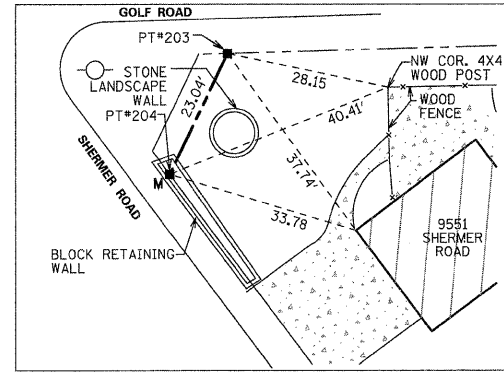
PART OF THE SE 1/4 OF SECTION 12 AND NE 1/4 OF SECTION 13, TWP. 41 N., R 12 E. OF THE 3RD. P.M., IN COOK COUNTY, ILLINOIS.



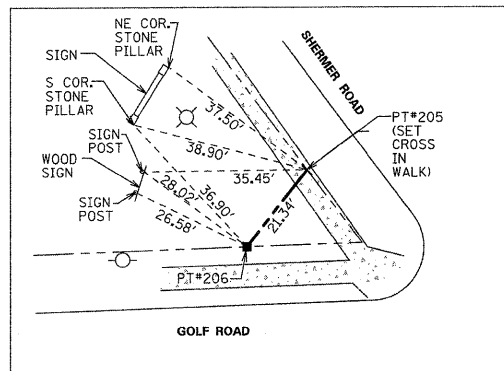
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(NOT TO SCALE)



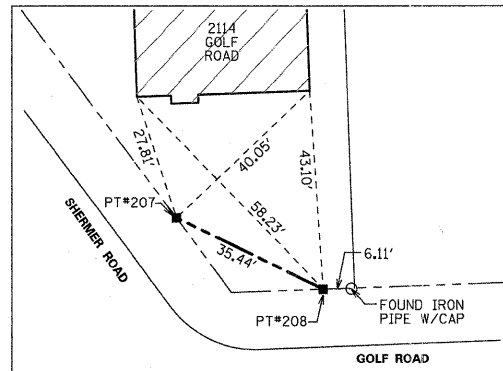
STATION 14+65.22 &
STATION 15+05.22
(NOT TO SCALE)



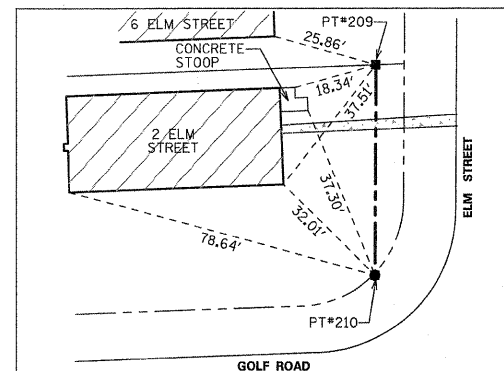
STATION 15+89.83 &
STATION 16+00.46
(NOT TO SCALE)



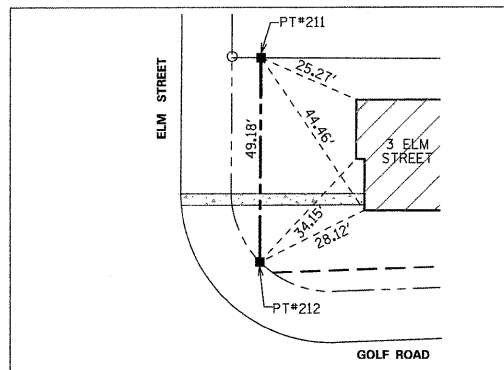
STATION 13+79.16 &
STATION 13+92.72
(SCALE: 1"=20')



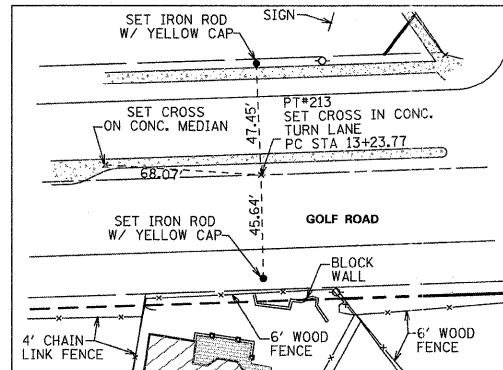
STATION 15+08.60 &
STATION 15+40.02
(SCALE: 1"=20')



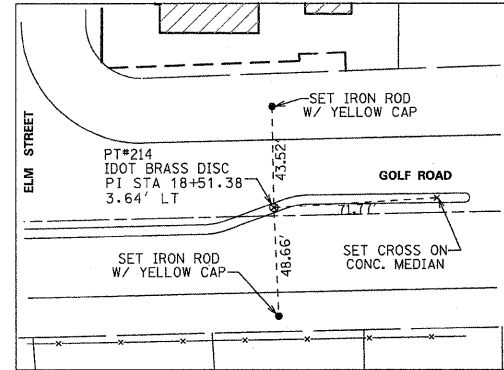
STATION 17+04.17 &
STATION 17+05.77
(NOT TO SCALE)



STATION 17+79.54 &
STATION 17+78.11
(NOT TO SCALE)



STATION 13+23.77
(NOT TO SCALE)



STATION 18+51.38
(NOT TO SCALE)

LEGEND

- SECTION CORNER
 - QUARTER CORNER
 - SECTION LINE
 - QUARTER SECTION LINE
 - QUARTER, QUARTER SECTION LINE
 - PLATTED LOT LINES
 - PROPERTY (DEED) LINE
 - APL
 - APPEARANT PROPERTY LINE
 - CENTERLINE
 - EXISTING RIGHT OF WAY LINE
 - PROPOSED RIGHT OF WAY LINE
 - PROPOSED EASEMENT
 - MEASURED DIMENSION
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STATE OF ILLINOIS)
COUNTY OF COOK)

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

POINT #	STATION	OFFSET	NORTHING	EASTING
200	14+65.22	55.00 RT	1963071.34	1125351.72
201	15+05.22	65.00 RT	1963062.60	1125391.95
202	13+57.83	55.00 RT	1963067.78	1125744.54
203	16+00.46	50.00 RT	1963080.40	1125986.56
204	15+89.83	70.45 RT	1963059.65	1125976.53
205	13+92.72	66.50 LT	1963190.40	1125775.27
206	13+79.16	50.04 LT	1963173.49	1125762.25
207	15+08.60	74.88 LT	1963202.51	1125391.04
208	15+40.02	58.61 LT	1963187.20	1125922.99
209	17+05.77	118.92 LT	1963252.08	1126087.39
210	17+04.17	67.38 LT	1963200.52	1126087.10
211	17+79.54	117.64 LT	1963252.62	1126161.40
212	17+78.11	68.48 LT	1963203.44	1126161.12
213	13+23.77	0.00	1963121.55	1125708.60
214	18+51.38	3.64 LT	1963140.30	1126235.91

REBECCA Y. POPECK
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 035-003642
LICENSE EXPIRATION DATE: NOVEMBER 30, 2010

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RECEIVED
AUG 03 2009
PLATS & LEGALS

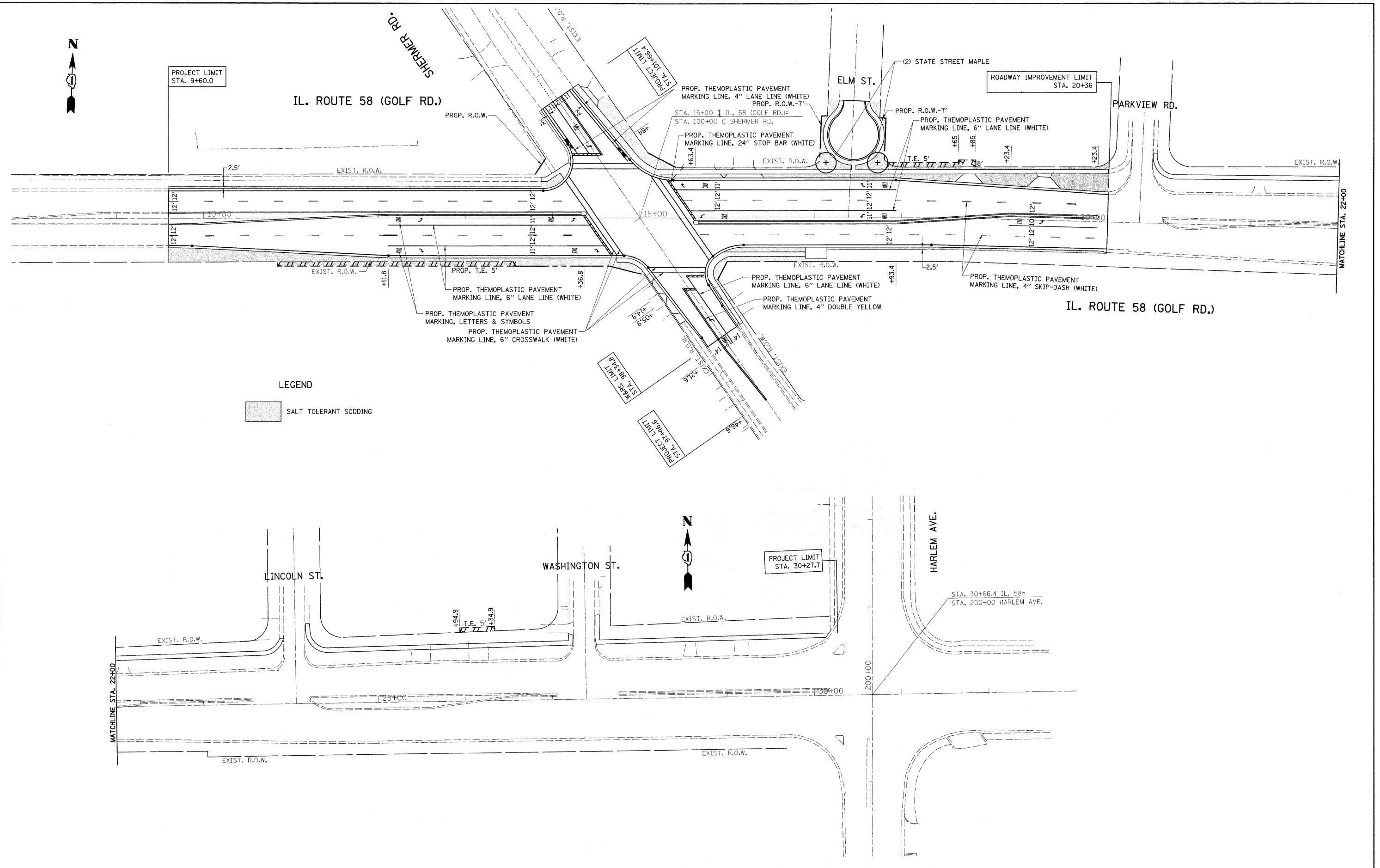
SPACECO INC. CONSULTING ENGINEERS
SITE DEVELOPMENT ENGINEERS
LAND SURVEYORS

9575 W. Higgins Road, Suite 700
Rosemont, Illinois 60018
Phone: (847) 696-4060 Fax: (847) 696-4065

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED - 01/30/09 RYP	ROUTE: FAP 339	SECTION: AT SHERMER RD	COUNTY: COOK	JOB# R-90-001-06
#FILES#		DRAWN - JM	REVISED - 02/02/09 RYP	SEC: 12 & 13	T 41 N, R 12 E OF 3RD P.M.	PROJECT#	
		CHECKED - RYP	REVISED - 07/31/09 RYP	SCALE: N/A	SHEET NO. 5 OF 5 SHEETS	STA N/A TO STA N/A	CONTRACT NO.
		DATE - 01/23/09	REVISED -				

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAT OF HIGHWAYS

30 of 61

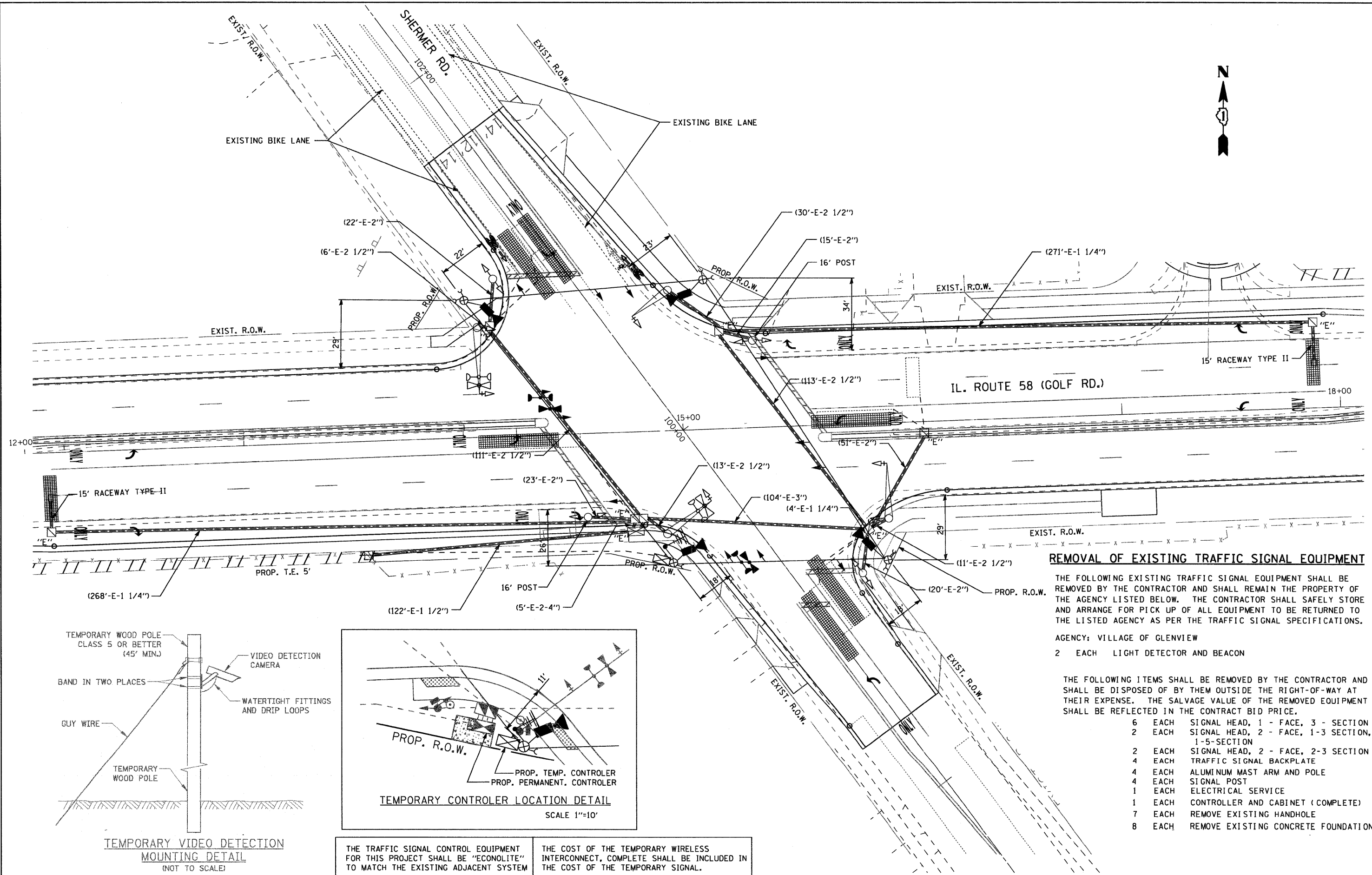


LEGEND
 SALT TOLERANT SODDING

FILE NAME =	USER NAME = midyja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 58 (GOLF RD.) PAVEMENT MARKING & LANDSCAPING PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
est:\pwork\PM\DOT\MIDYJA\data\93786\PI267	4-shht-pmk02.dgn	DRAWN -	REVISED -		339	584 Y-N-1	COOK	61	31	CONTRACT NO. 60D25		
PLOT SCALE = 50,0000 ' / IN.		CHECKED -	REVISED -		SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA. 9+60	TO STA. 22+00	ILLINOIS FED. AID PROJECT		
PLOT DATE = 6/16/2010		DATE -	REVISED -									

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660 North Cicero Avenue, Suite 500
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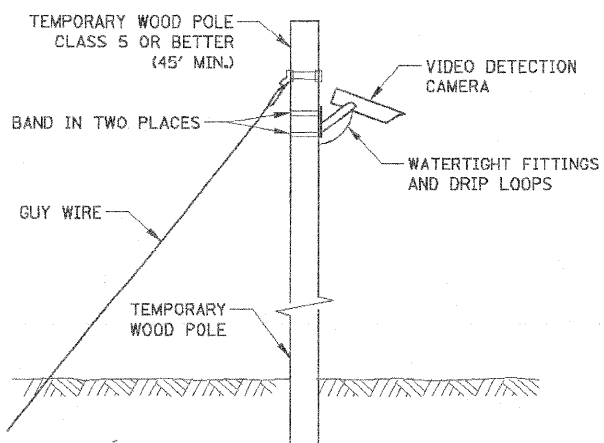
REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT

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

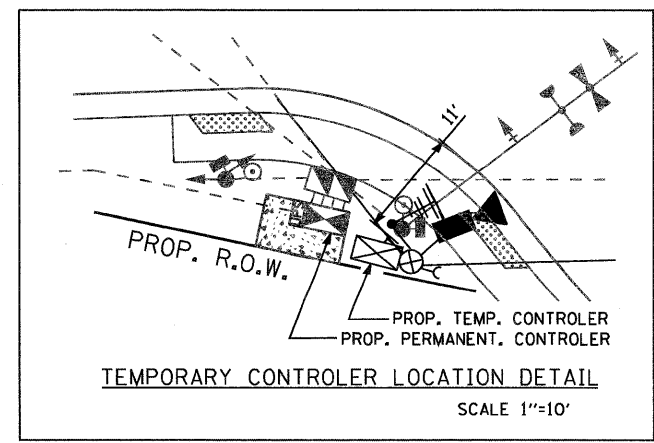
AGENCY: VILLAGE OF GLENVIEW
2 EACH LIGHT DETECTOR AND BEACON

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

- 6 EACH SIGNAL HEAD, 1 - FACE, 3 - SECTION
- 2 EACH SIGNAL HEAD, 2 - FACE, 1-3 SECTION, 1-5-SECTION
- 2 EACH SIGNAL HEAD, 2 - FACE, 2-3 SECTION
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH ALUMINUM MAST ARM AND POLE
- 4 EACH SIGNAL POST
- 1 EACH ELECTRICAL SERVICE
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
- 7 EACH REMOVE EXISTING HANDHOLE
- 8 EACH REMOVE EXISTING CONCRETE FOUNDATION



TEMPORARY VIDEO DETECTION MOUNTING DETAIL
(NOT TO SCALE)



TEMPORARY CONTROLLER LOCATION DETAIL
SCALE 1"=10'

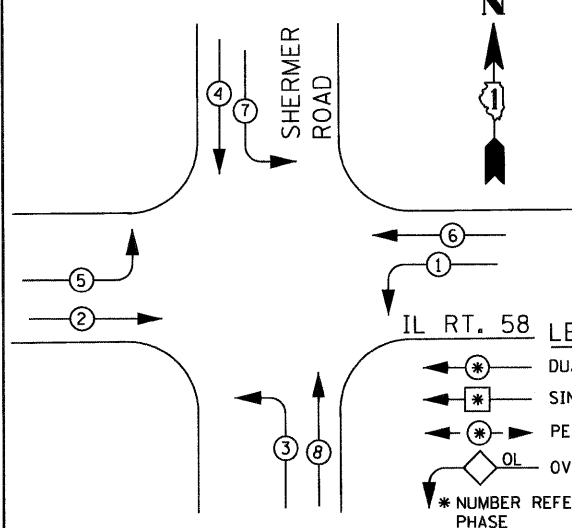
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

THE COST OF THE TEMPORARY WIRELESS INTERCONNECT, COMPLETE SHALL BE INCLUDED IN THE COST OF THE TEMPORARY SIGNAL.

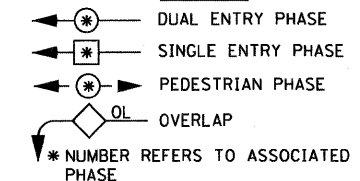
FILE NAME =	USER NAME = *USER*	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY TRAFFIC SIGNAL PLAN IL. ROUTE 58 AT SHERMER RD.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
FILEL		DRAWN - DW	REVISED -		SCALE: 1"=20'	SHEET NO.	OF	SHEETS	STA.	TO STA.	339	584-Y-N-1	COOK	61	32
		CHECKED - JS	REVISED -									CONTRACT NO. 60D25			
		DATE - 11/09/09	REVISED -									FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

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CONTROLLER SEQUENCE

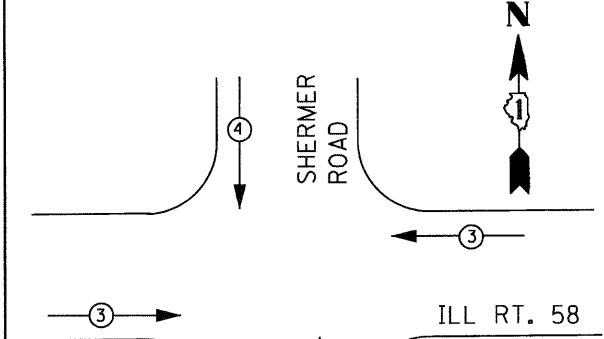


IL RT. 58 LEGEND



PHASE DESIGNATION DIAGRAM

NOT TO SCALE



EMERGENCY VEHICLE PREEMPTION SEQUENCE

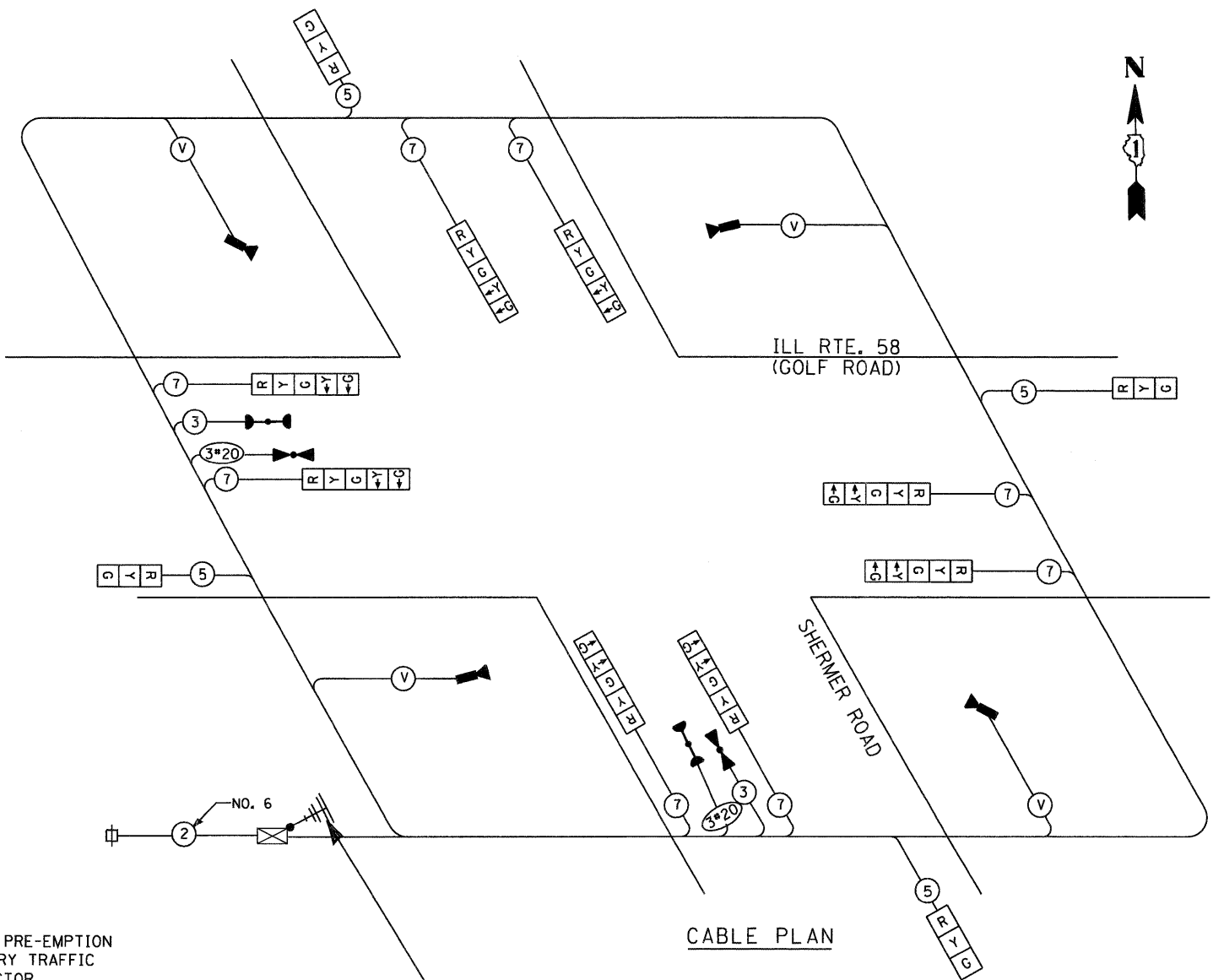
EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	x	90	25	1.00	x
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	x	252	25	0.05	x
VIDEO SYSTEM	1	150	-	1.00	150
FLASHER LED					
TOTAL =					491.2

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
201 WEST CENTER COURT
SCHAMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT XXXXXXXX
PHONE XXXXXXXX
COMPANY COMED



CABLE PLAN

NOTES FOR TEMPORARY TRAFFIC SIGNALS

- 1) ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- 2) ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- 3) ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- 4) ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES. RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- 5) ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- 6) THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.

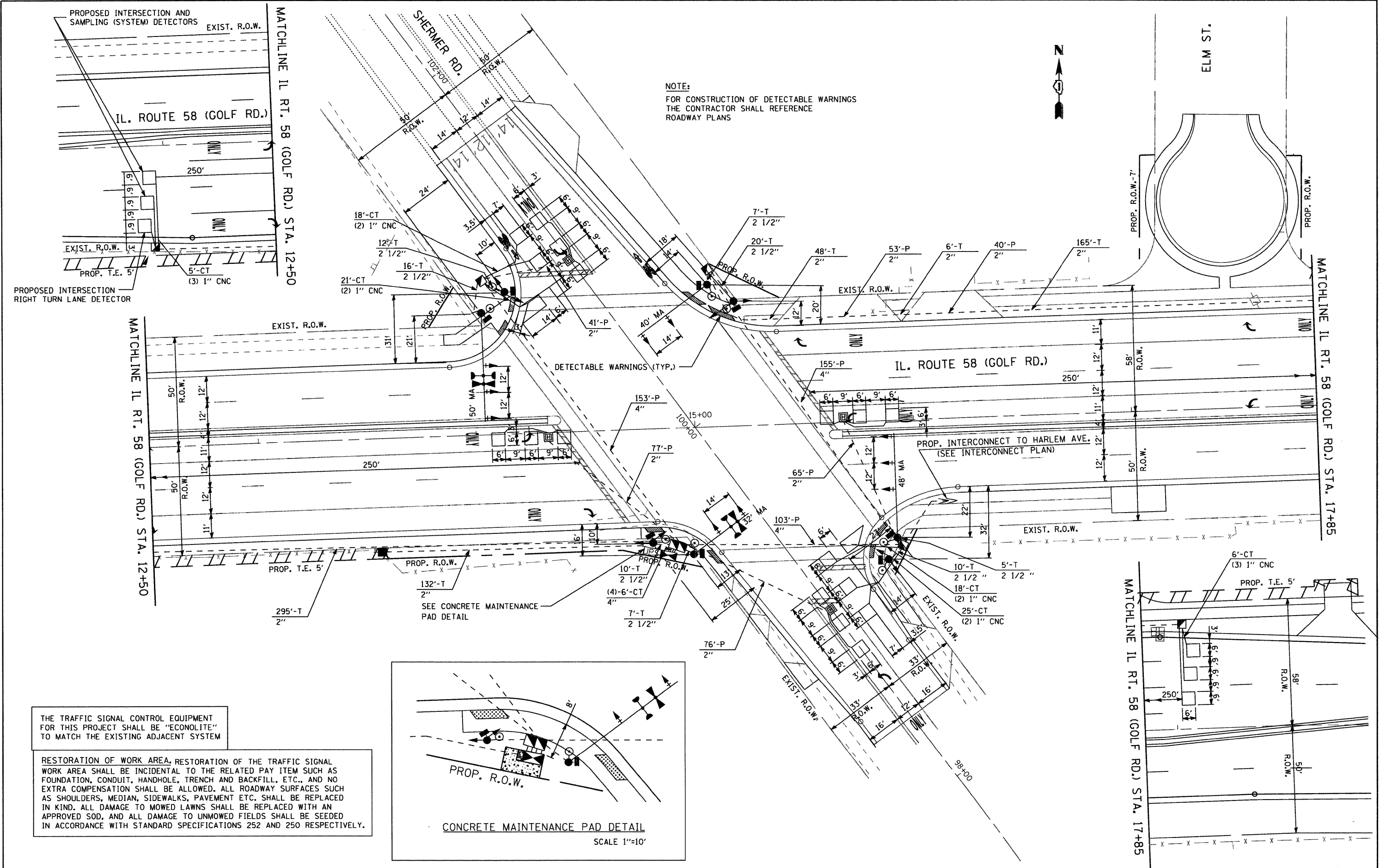
PROPOSED TEMPORARY WIRELESS INTERCONNECT TO IL 58 AT HARLEM AVE (SEE TEMP. INTERCONNECT PLAN FOR DETAIL)

THE COST OF THE TEMPORARY WIRELESS INTERCONNECT, COMPLETE SHALL BE INCLUDED IN THE COST OF THE TEMPORARY SIGNAL.

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

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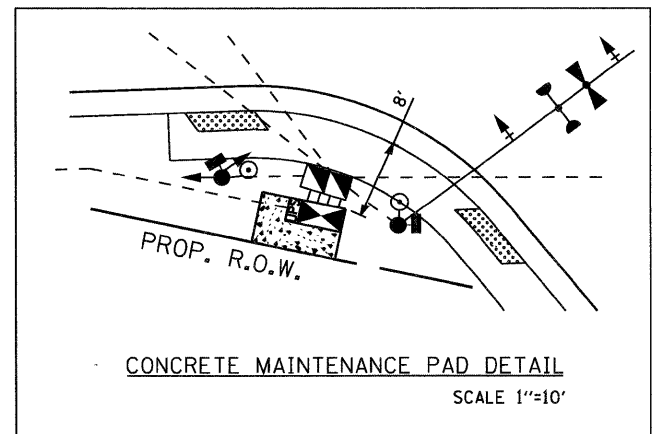


NOTE:
FOR CONSTRUCTION OF DETECTABLE WARNINGS
THE CONTRACTOR SHALL REFERENCE
ROADWAY PLANS

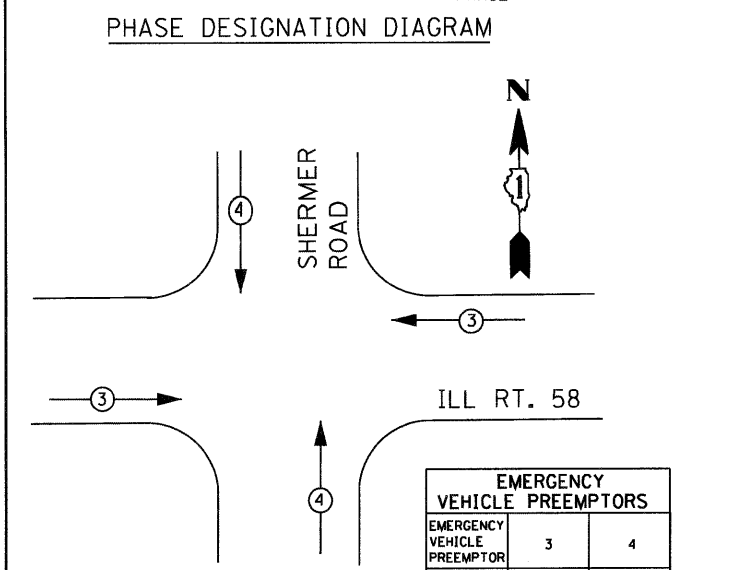
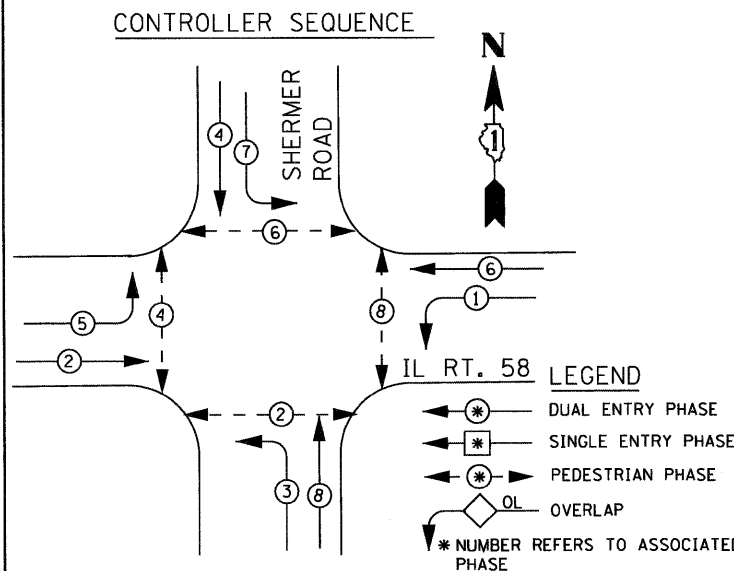


THE TRAFFIC SIGNAL CONTROL EQUIPMENT
FOR THIS PROJECT SHALL BE "ECONOLITE"
TO MATCH THE EXISTING ADJACENT SYSTEM

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 =	USER NAME = #USER#	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TRAFFIC SIGNAL PLAN IL. ROUTE 58 AT SHERMER RD.			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
#FILE#		DRAWN - DW	REVISED -		SCALE: 1"=20'	SHEET NO.	OF SHEETS	STA.	TO STA.	339	584-Y-N-1	COOK	61	34
		CHECKED - JS	REVISED -									CONTRACT NO. 60D25		
		DATE - 11/09/09	REVISED -									ILLINOIS FED. AID PROJECT		



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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	18	135	17	0.50	153
(YELLOW)	18	135	25	0.25	112.5
(GREEN)	18	135	15	0.25	67.5
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	X	252	25	0.05	X
VIDEO SYSTEM	X	150	-	1.00	X
FLASHER LED					
TOTAL =					652.2

ENERGY COSTS- BILLED TO: IDOT DISTRICT 1
201 WEST CENTER COURT
SCHAMBURG, IL 60196-1096

ENERGY SUPPLY - CONTACT XXXXXXXX
PHONE XXXXXXXX
COMPANY COMED

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

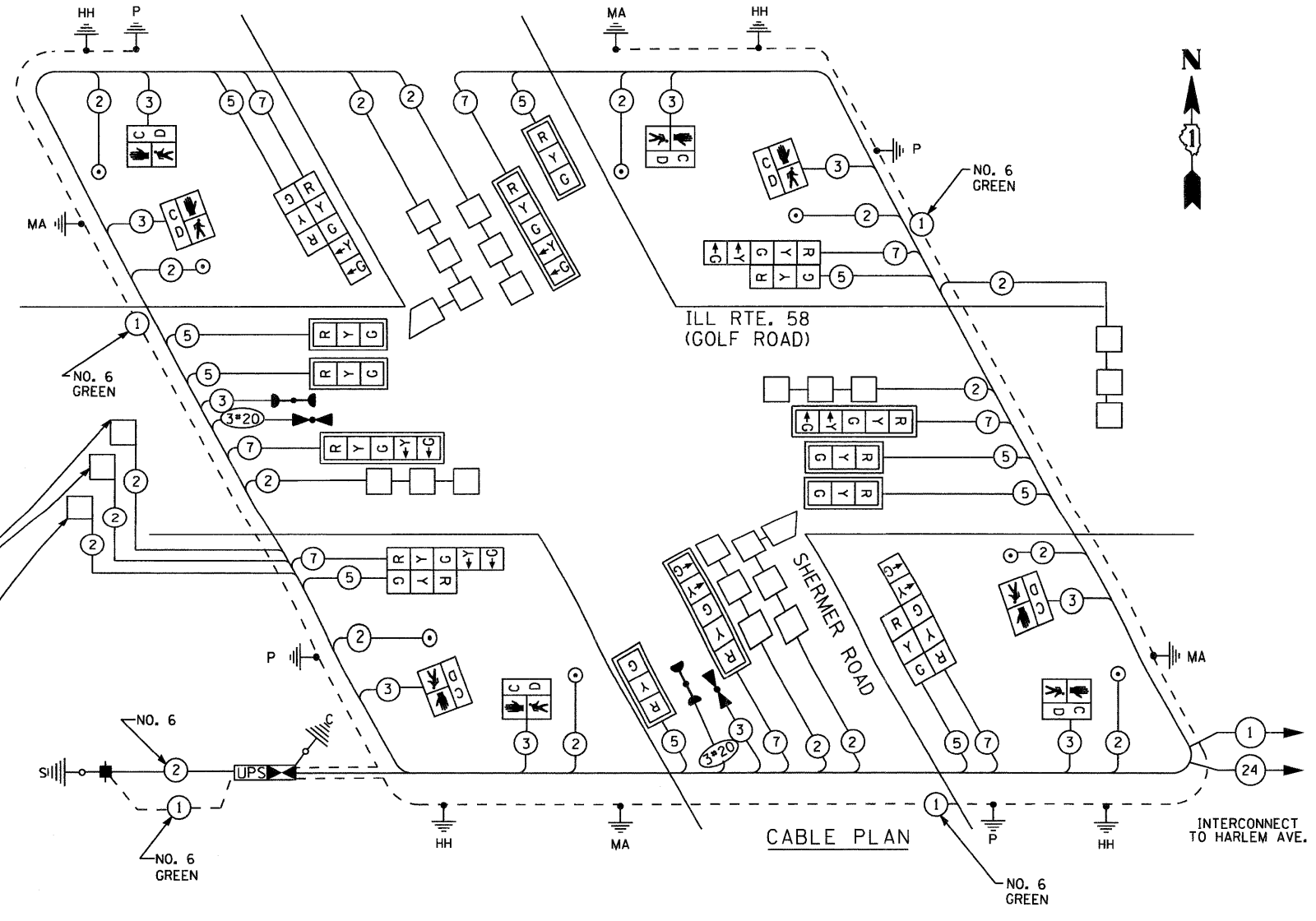
PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

PROPOSED INTERSECTION RIGHT TURN LANE DETECTOR

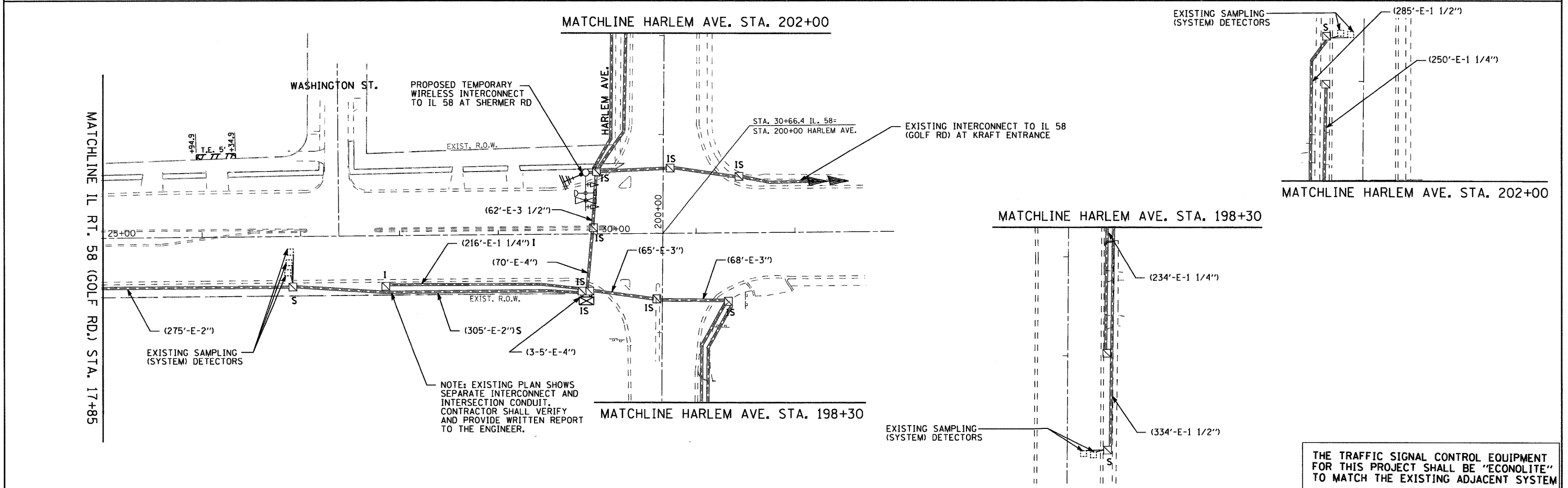
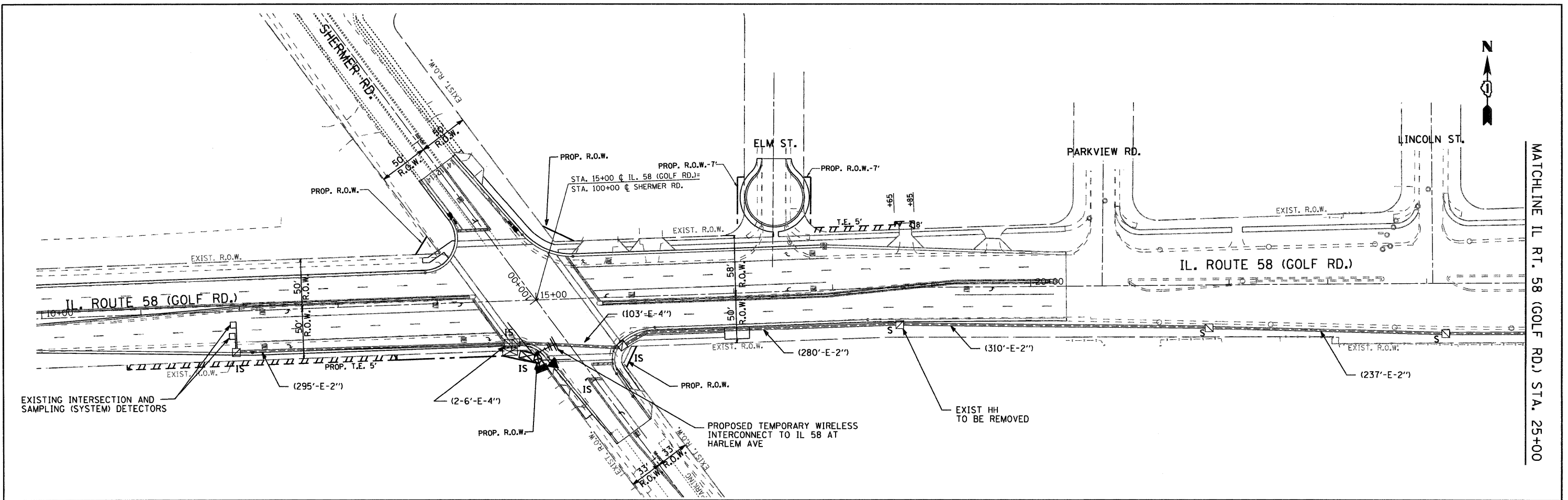
SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY	ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SO FT	27.0	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	645.0	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	87.0	CONCRETE FOUNDATION, TYPE A	FOOT	16.0
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	24.0	CONCRETE FOUNDATION, TYPE C	FOOT	4.0
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	352.0	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	52.0
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	411.0	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
HANDHOLE	EACH	5	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
HEAVY-DUTY HANDHOLE	EACH	4	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4
DOUBLE HANDHOLE	EACH	1	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	756.0	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	INDUCTIVE LOOP DETECTOR	EACH	10
FULLY ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	DETECTOR LOOP, TYPE I	FOOT	1071
TRANSCEIVER - FIBER OPTIC	EACH	1	PEDESTRIAN PUSH-BUTTON	EACH	8
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1402.0	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2159.0	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1605.0	TEMPORARY INFORMATION SIGNING	SO FT	102.8
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1653.0	SERVICE INSTALLATION, POLE MOUNT	EACH	1
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1937.0	UNINTERRUPTIBLE POWER SUPPLY (UPS)	EACH	1
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	172.5	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO.6 1C	FOOT	800.0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	685.0
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	* LIGHT DETECTOR	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1	* LIGHT DETECTOR AMPLIFIER	EACH	1
			REMOVE EXISTING HANDHOLE	EACH	7
			REMOVE EXISTING CONCRETE FOUNDATION	EACH	8

* THE VILLAGE OF GLENVIEW RESPONSIBLE FOR 100% OF COST



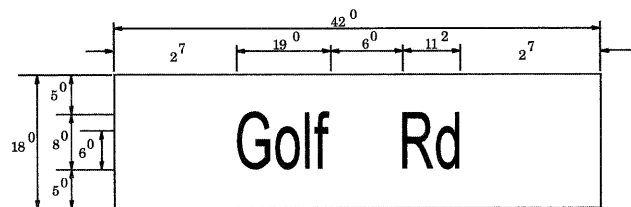
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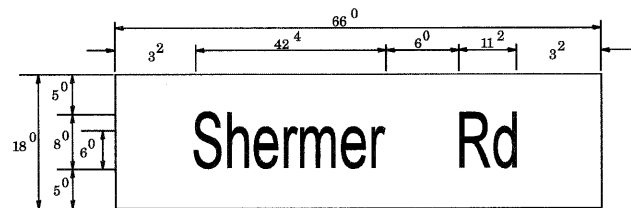
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT PLAN IL. ROUTE 58 AT SHERMER RD.		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#	PLOT SCALE = #SCALE#	DRAWN - DW	REVISED -		SCALE: 1"=50'	SHEET NO. OF .. SHEETS	STA. TO STA.	339	584-Y-N-1	COOK	61	36
	PLOT DATE = #DATE#	CHECKED - JS	REVISED -					CONTRACT NO. 60D25				
		DATE - 11/09/09	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PANEL SIGN DESIGN TYPE 1



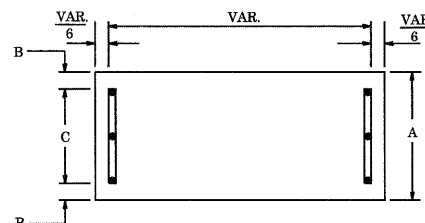
Sq. M. each
5.25 Sq. Ft. each
2 Required
Design Series D



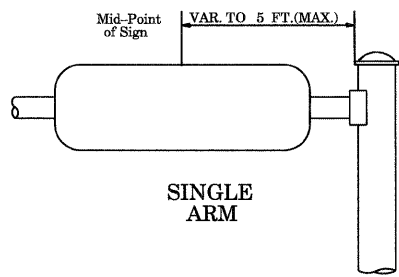
Sq. M. each
8.25 Sq. Ft. each
2 Required
Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

SUPPORTING CHANNELS

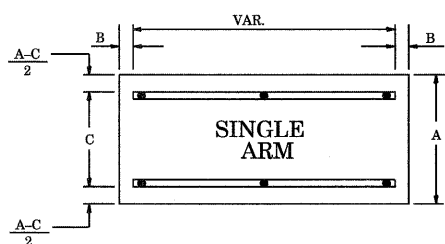


A	B	C
18"	2"	14"

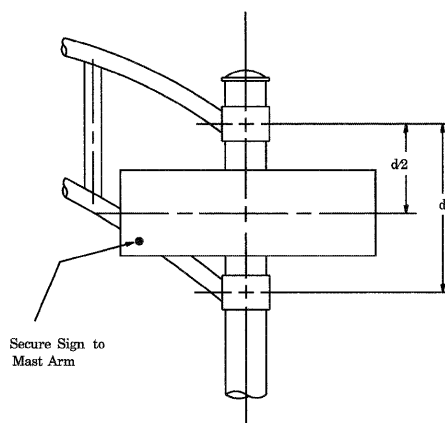


SINGLE ARM

SUPPORTING CHANNELS



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



DUAL ARM
SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM

Shall be used. See Note #5.

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

EXAMPLE, 2 ³ DENOTES $\frac{3}{8}$

FIRST LETTER	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ⁴	0 ⁶	1 ⁰	1 ¹	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	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵
D O Q R	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	0 ⁶	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 ¹	1 ²	1 ⁴	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

UPPER AND LOWER CASE
LETTER WIDTHS

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

N U M B E R	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

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

FIRST LETTER	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g i 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
l 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 ²	1 ¹	1 ²	1 ¹	1 ²	1 ⁴	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 ¹	1 ²	1 ⁴	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"

FIRST LETTER	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	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 ²	1 ⁴	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 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁵	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 ⁶	1 ⁷

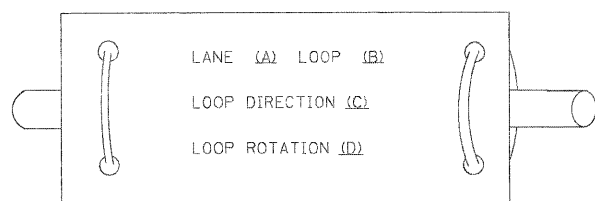
GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
 - * A.K.T. CORPORATION * AMERICAN FABRICATION CO.
 - SCHAUMBURG, IL CHICAGO

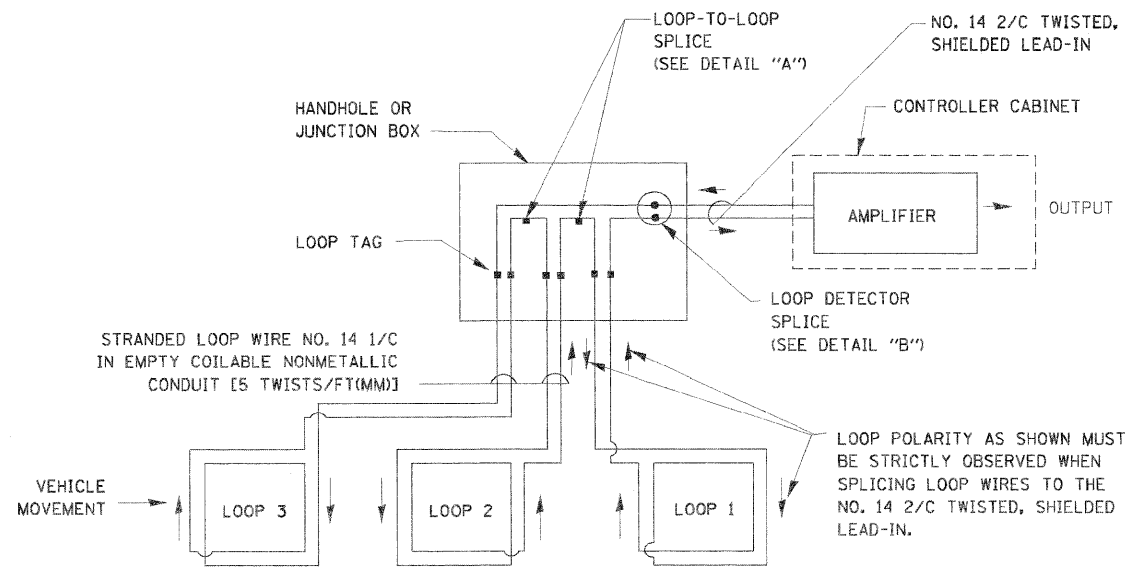
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

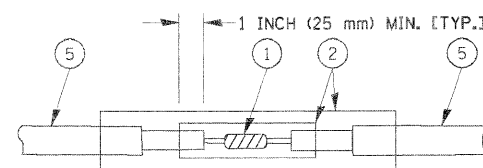


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

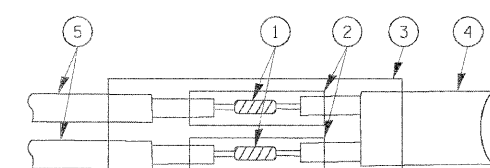


DETECTOR LOOP WIRING SCHEMATIC

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

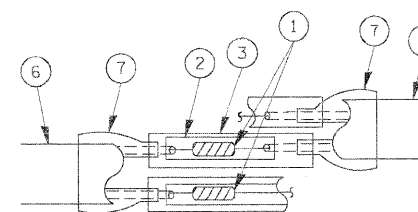


**DETAIL "A"
LOOP-TO-LOOP SPLICE**

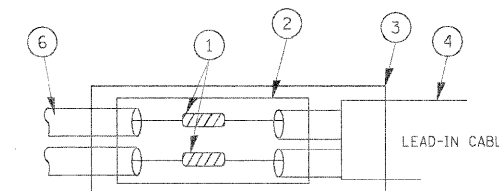


**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP



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



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

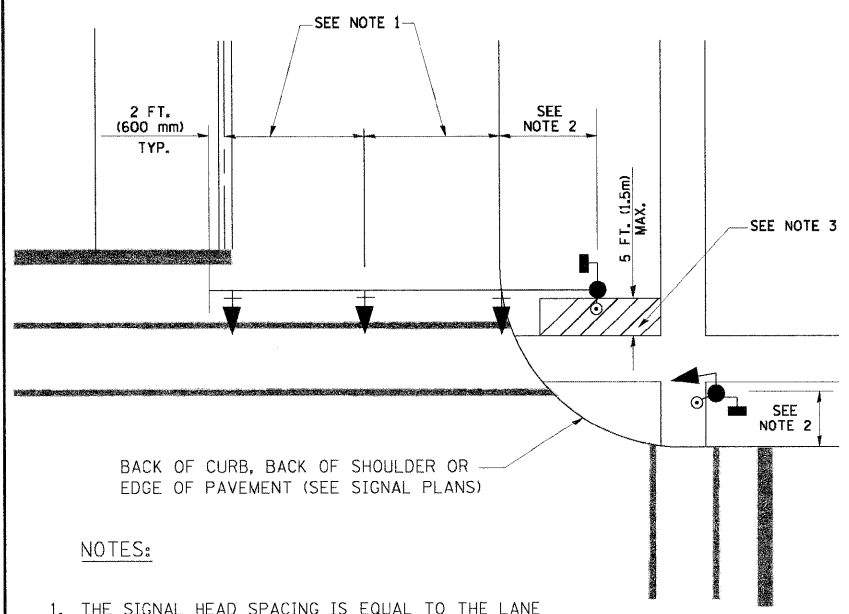
LOOP DETECTOR SPLICE

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

FILE NAME =	USER NAME = #USER#	DESIGNED - DW	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS - SHEET 1 OF 6			F.A.P. RTE. 339	SECTION 584-Y-N-1	COUNTY COOK	TOTAL SHEETS 61	SHEET NO. 40
#FILE#	PLOT SCALE = #SCALE#	DRAWN - DW	REVISED - ---		SCALE: NONE	SHEET NO. OF -- SHEETS	STA. ----- TO STA. -----	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
	PLOT DATE = #DATE#	CHECKED - JS	REVISED - ---					CONTRACT NO. 60D25				
		DATE - 11/09/09	REVISED - ---									

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

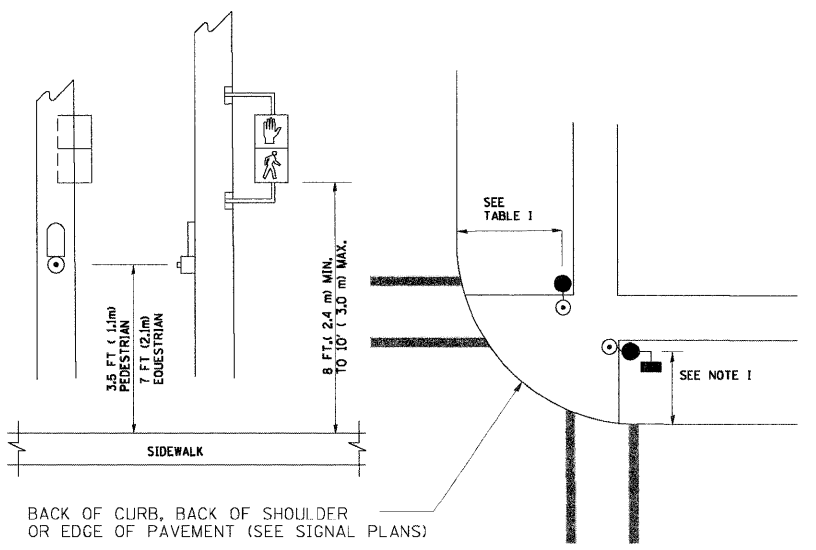
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

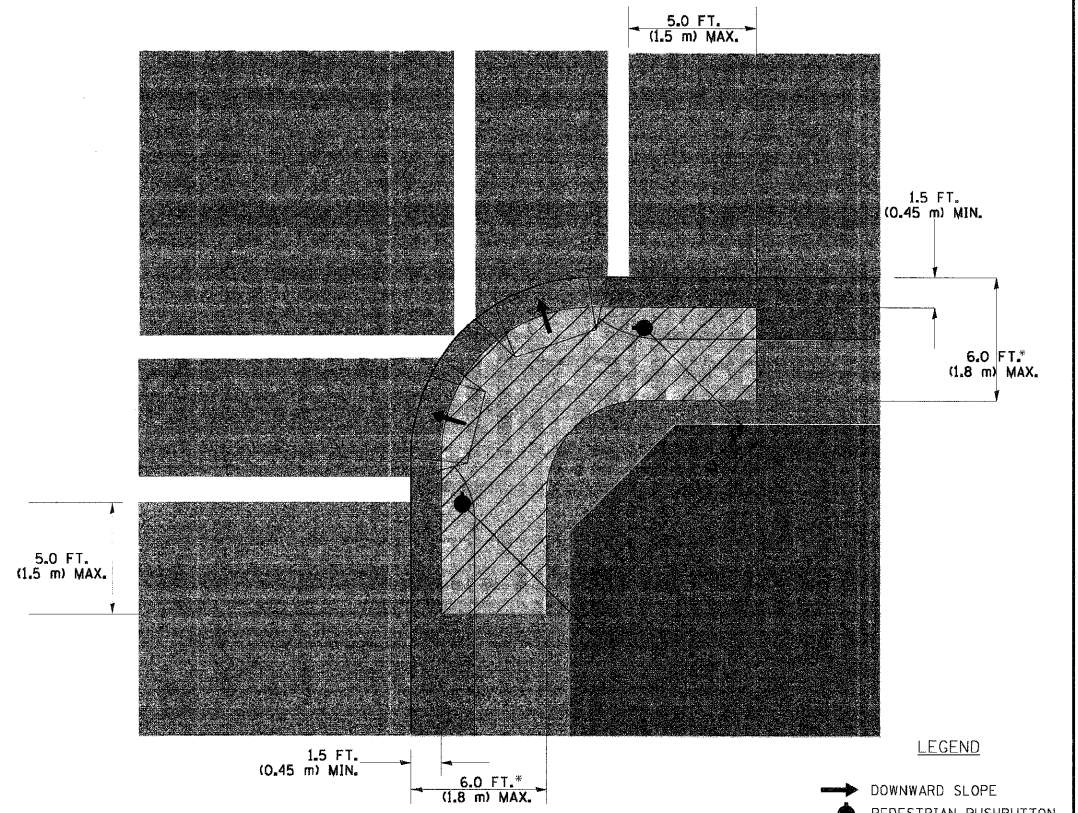
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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.

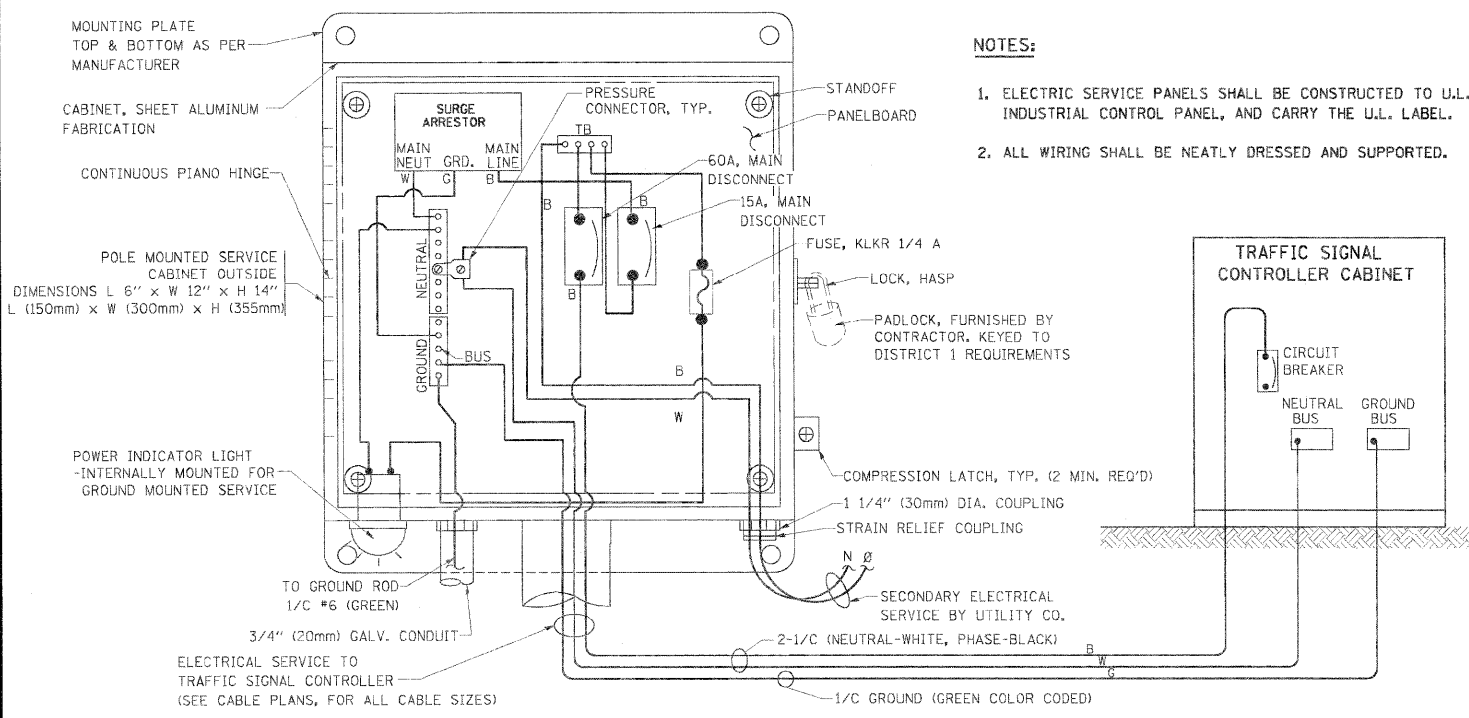
TRAFFIC SIGNAL EQUIPMENT OFFSET

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.

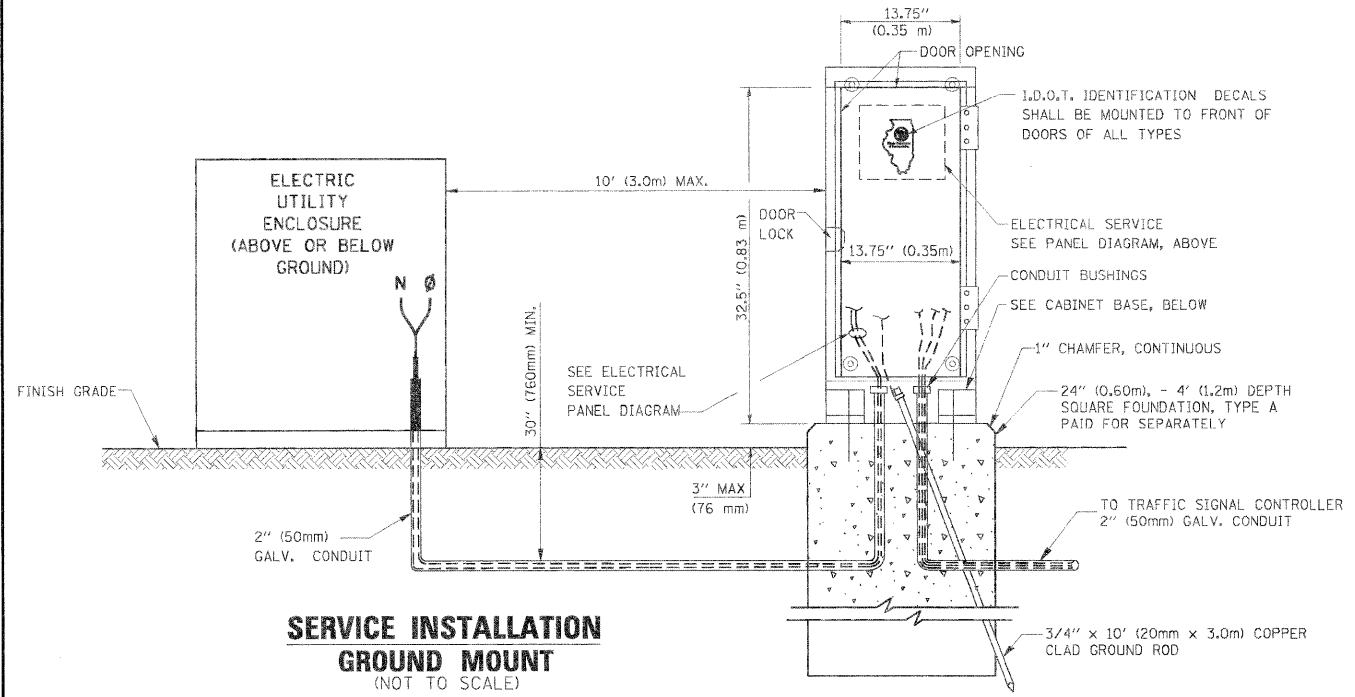
NOTES:

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 AFFECT 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.

RWA
 Regina Webster & Associates, Inc.
 REGINA WEBSTER
 AND ASSOC. INC.
 CIVIL ENGINEERING CONSULTANTS
 660 North Cicero Avenue, Suite 500
 Chicago, Illinois 60631-9869

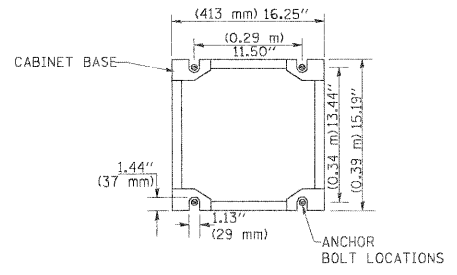


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



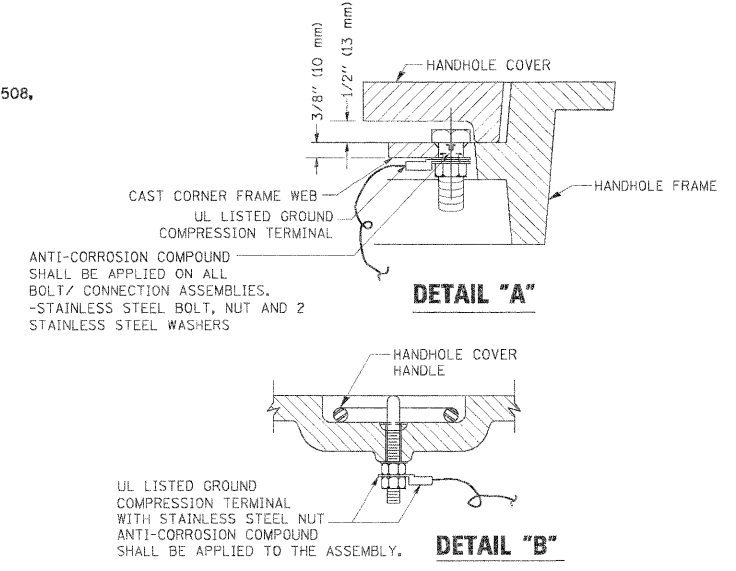
SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)

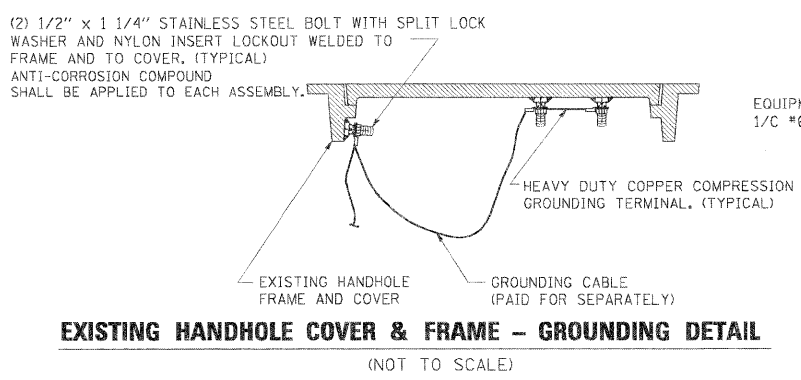


NOTES:

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



HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

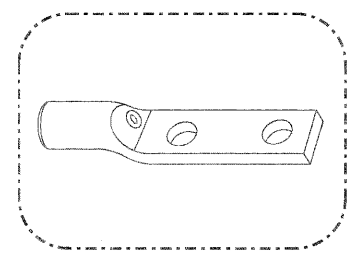


EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL
 (NOT TO SCALE)

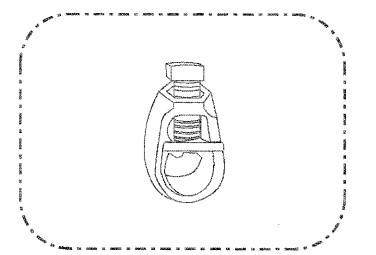
NOTES:

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\"/>
- 2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
- 3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
- 4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



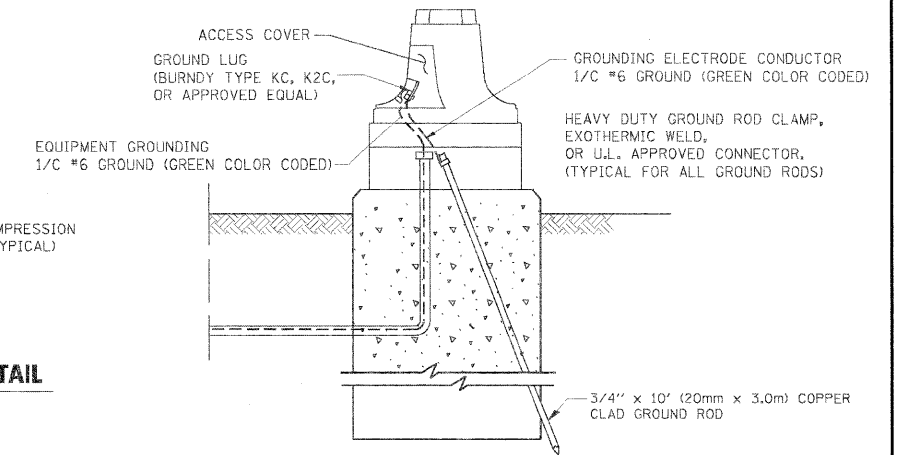
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4\"/>

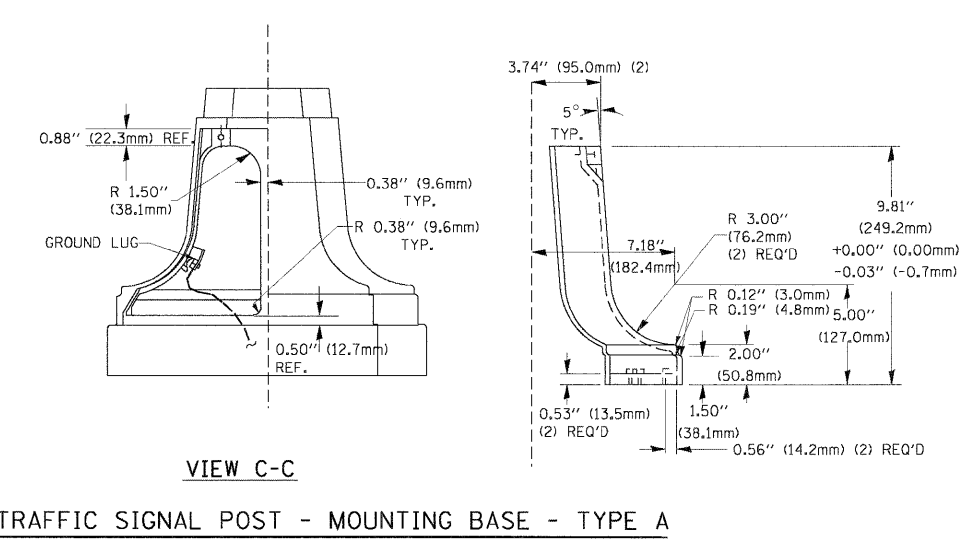
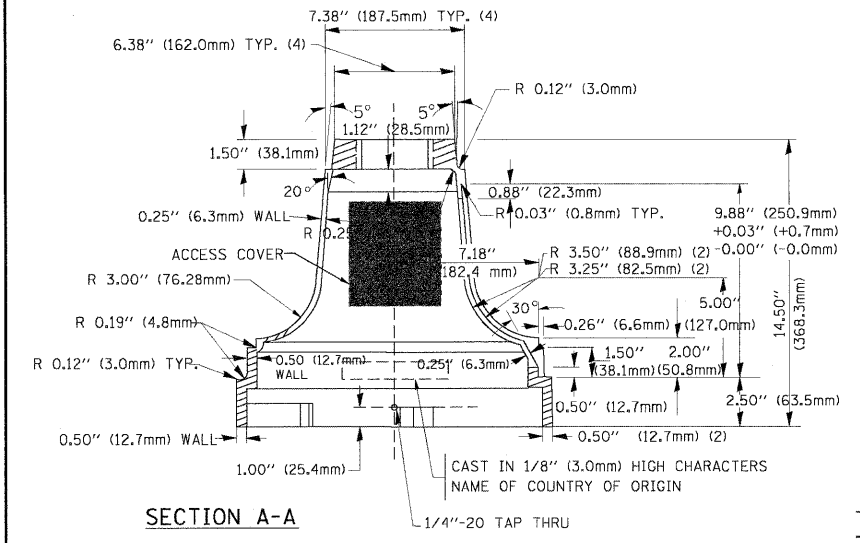
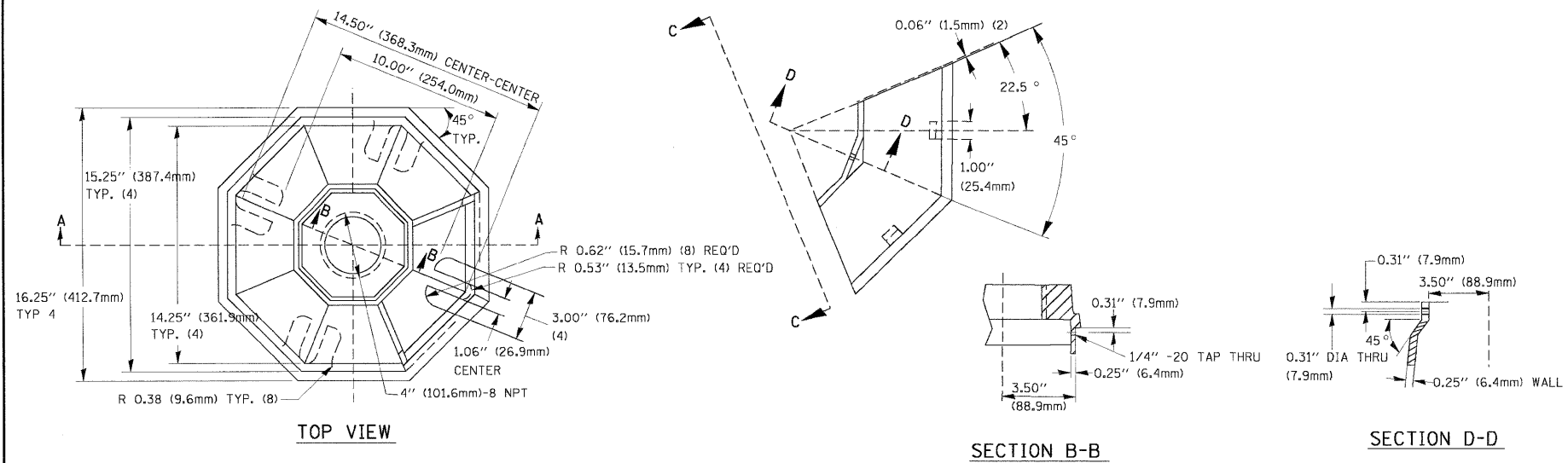
NOTES:

- 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.

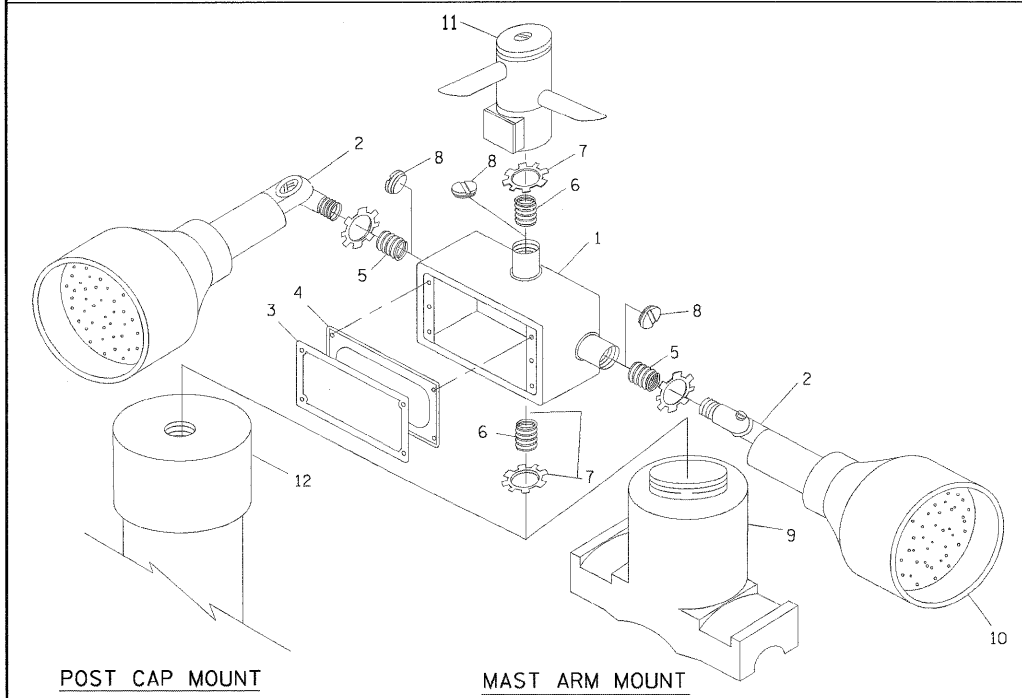


MAST ARM POLE / POST-GROUNDING DETAIL
 (NOT TO SCALE)

FILE NAME =	USER NAME = *USER*	DESIGNED - DW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STANDARD TRAFFIC SIGNAL DESIGN DETAILS - SHEET 3 OF 6			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - DW	REVISED -		SCALE: NONE	SHEET NO.	OF	SHEETS	339	584-Y-N-1	COOK	61	42
		CHECKED - JS	REVISED -										
		DATE - 11/09/09	REVISED -										
								CONTRACT NO. 60D25					
								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

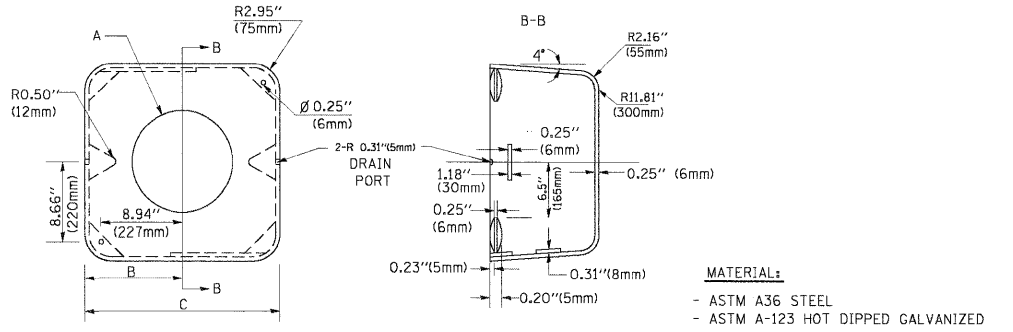


TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



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.]

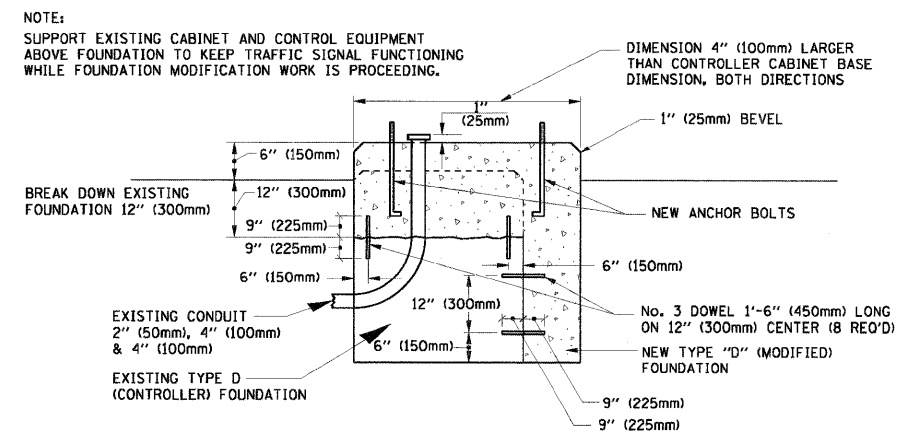
- NOTES:
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
 - ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
 - WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. 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.



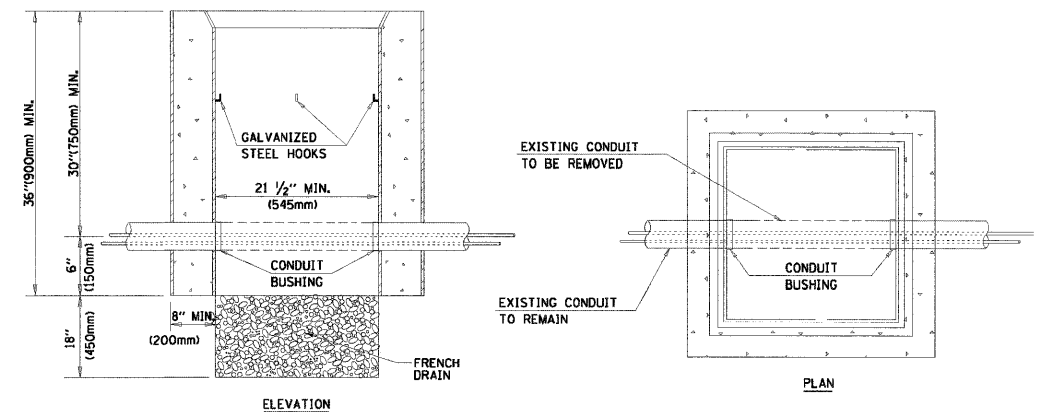
A	B	C	HEIGHT	WEIGHT
VARIES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126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

SHROUD

- 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.

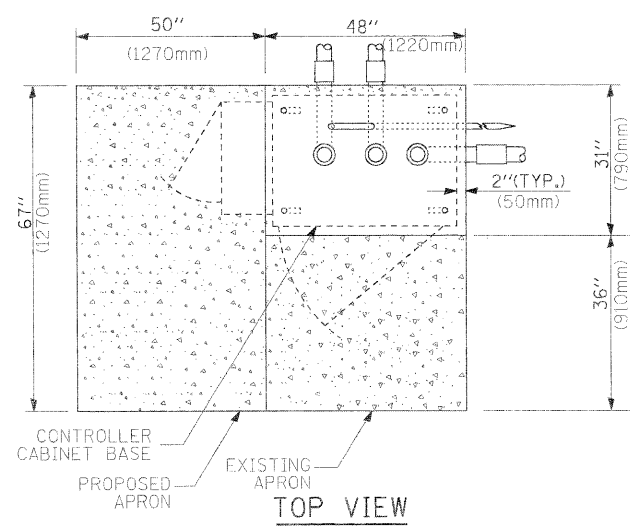


MODIFY EXISTING TYPE "D" FOUNDATION

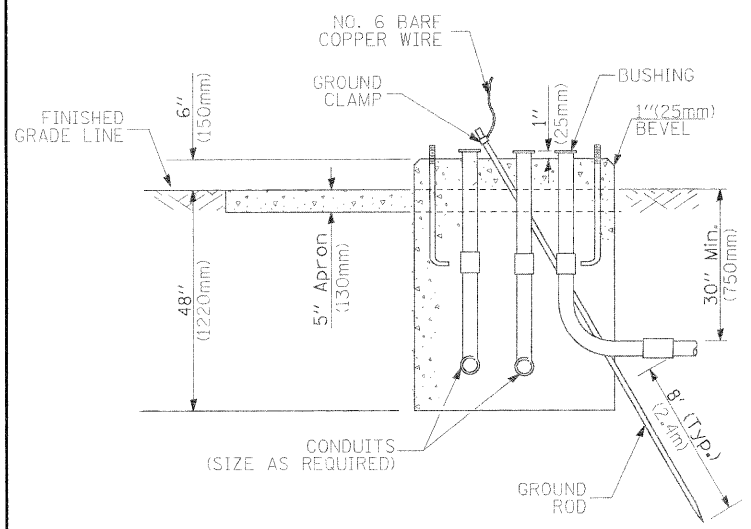


- NOTES:
- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
 - REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

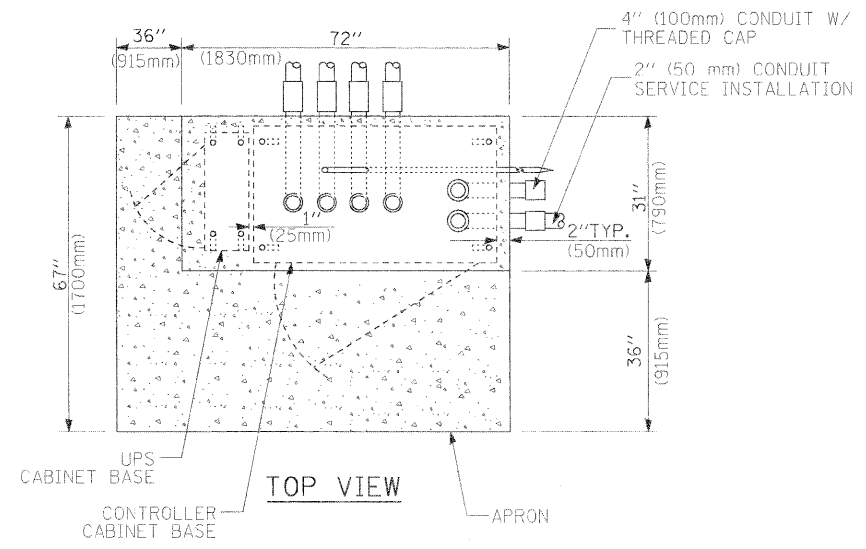
HANDHOLE TO INTERCEPT EXISTING CONDUIT



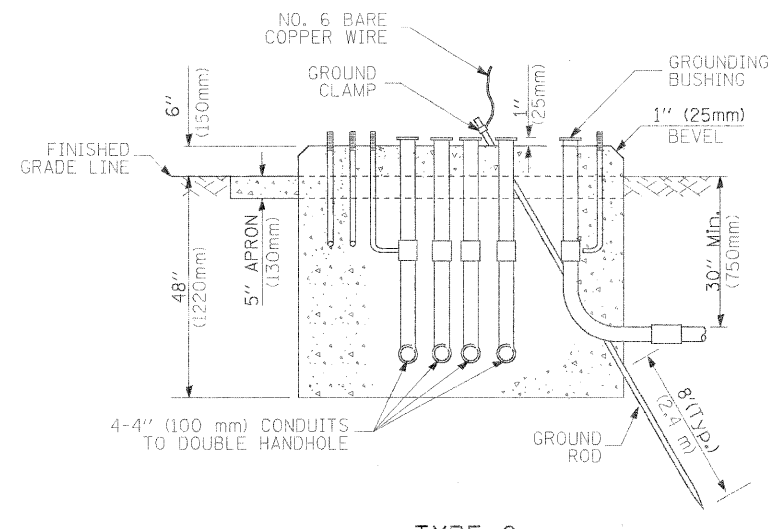
TOP VIEW



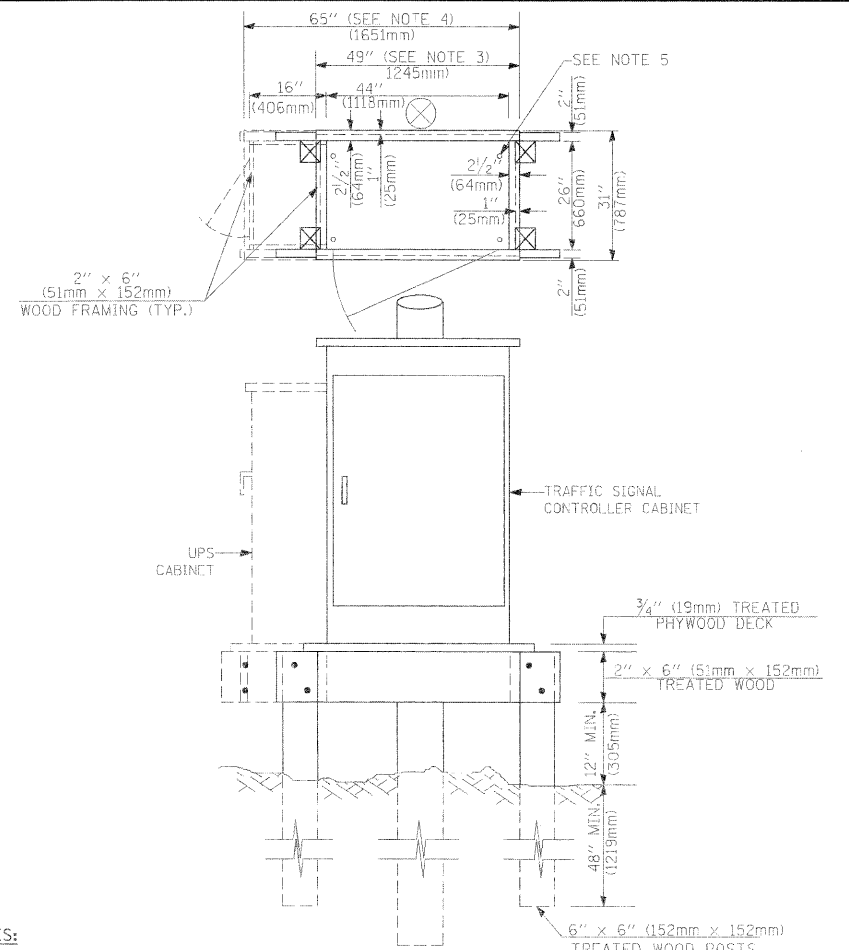
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



TOP VIEW



**TYPE C
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**



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.

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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)

DEPTH OF FOUNDATION

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 up to 56' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 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 (q_u) > 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.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

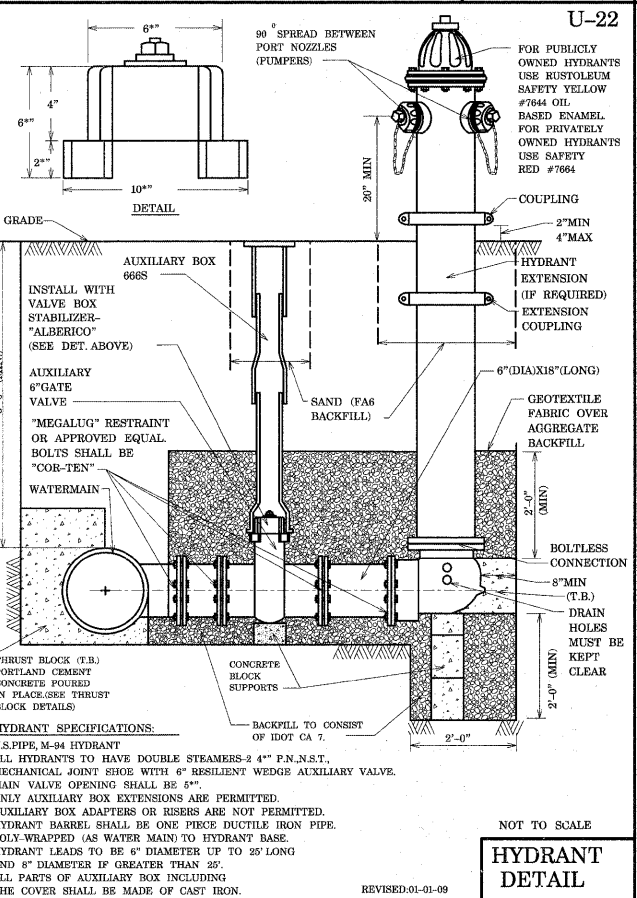
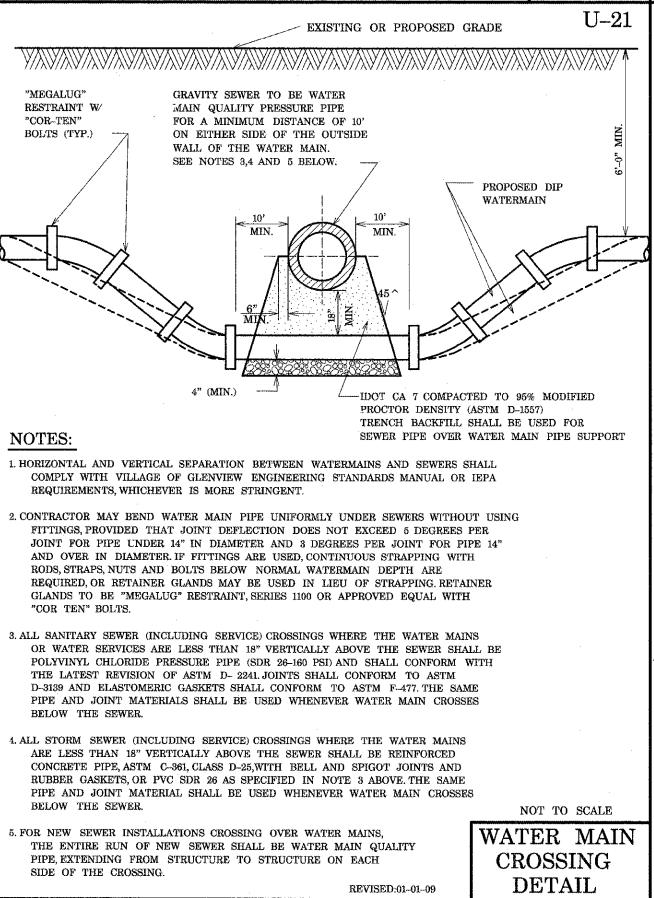
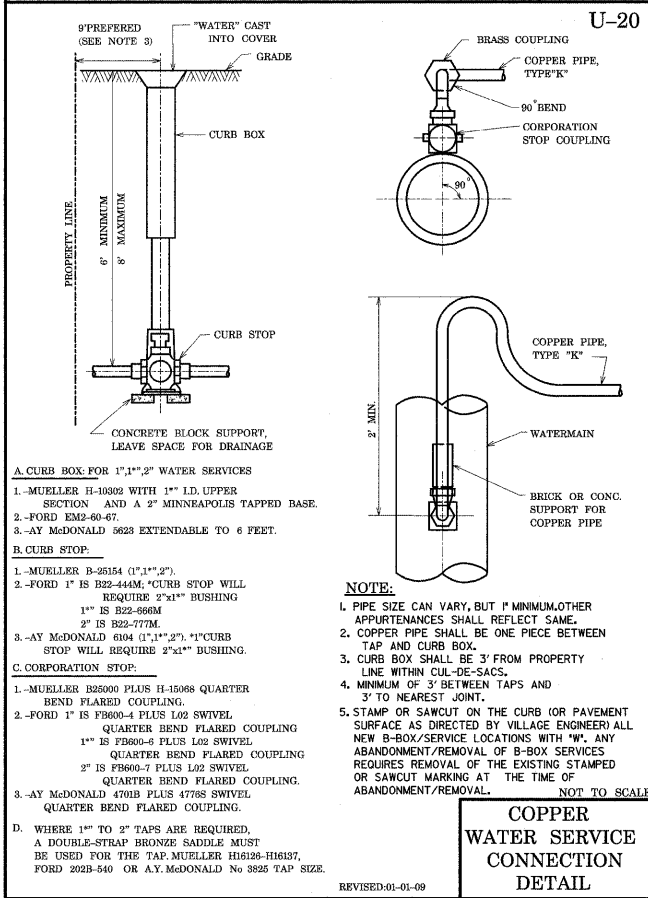
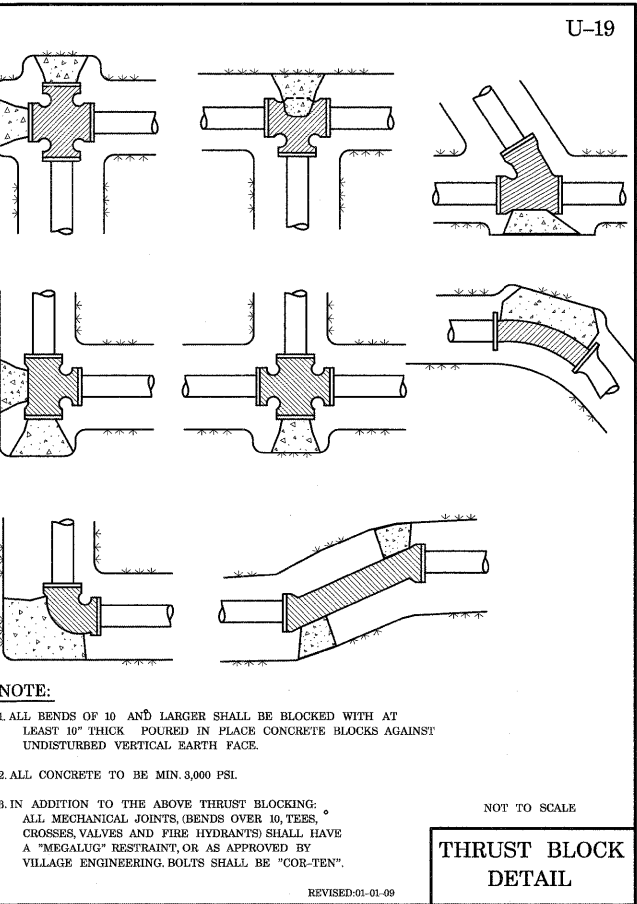
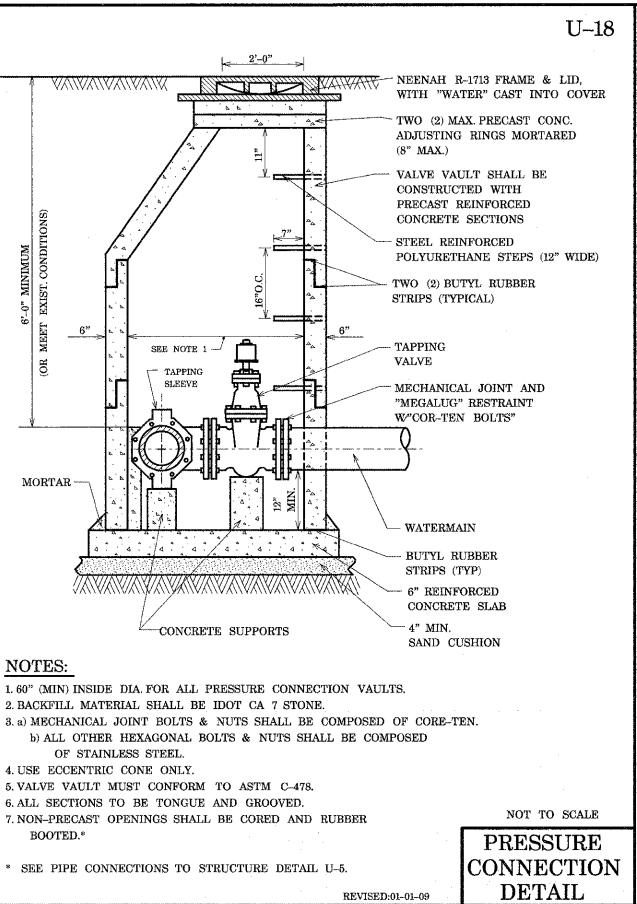
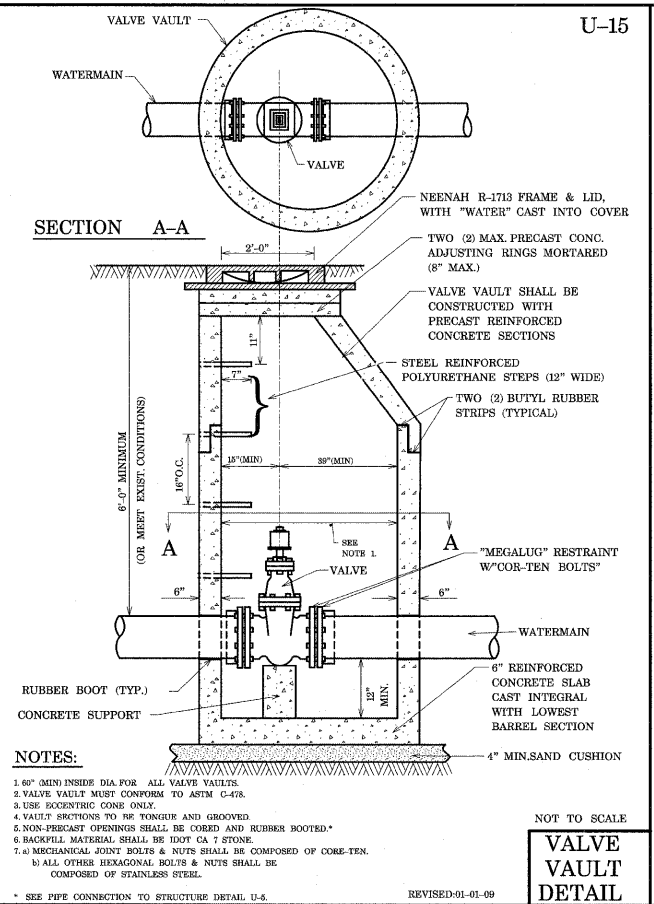
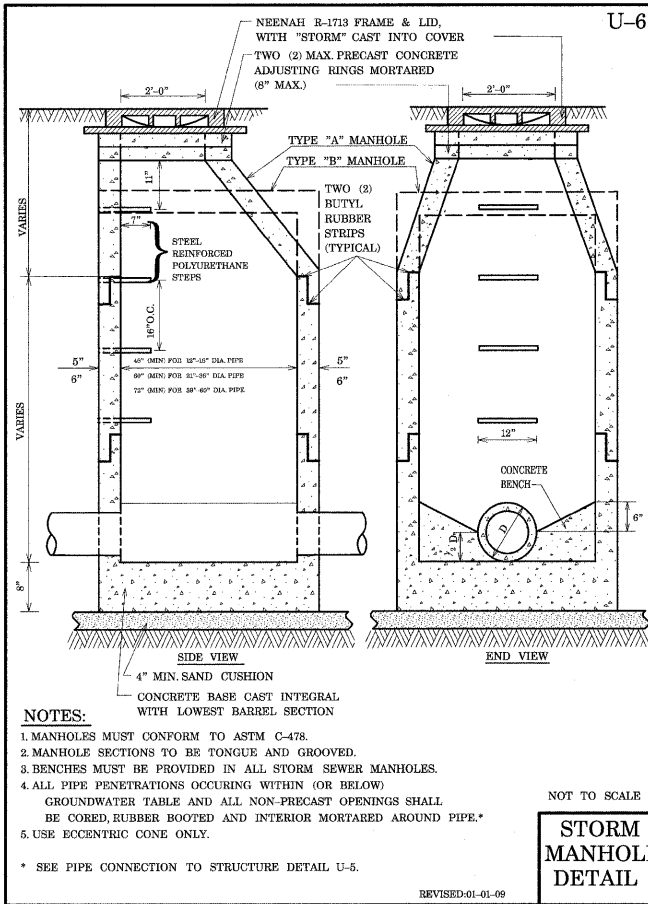
TRAFFIC SIGNAL LEGEND

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 SM12F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD				EXISTING PREFORMED INTERSECTION LOOP DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				PREFORMED SAMPLING (SYSTEM) DETECTOR			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER							
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

RWA
Regina Webster & Associates, Inc.
660 North Cicero Avenue, Suite 500
Chicago, Illinois 60623-1369



NOTES:
 1. MANHOLES MUST CONFORM TO ASTM C-478.
 2. MANHOLE SECTIONS TO BE TONGUE AND GROOVED.
 3. BENCHES MUST BE PROVIDED IN ALL STORM SEWER MANHOLES.
 4. ALL PIPE PENETRATIONS OCCURRING WITHIN (OR BELOW) GROUNDWATER TABLE AND ALL NON-PRECAST OPENINGS SHALL BE CORED, RUBBER BOOTED AND INTERIOR MORTARED AROUND PIPE.*
 5. USE ECCENTRIC CONE ONLY.
 * SEE PIPE CONNECTION TO STRUCTURE DETAIL U-5.

NOTES:
 1. 60\"/>

NOTES:
 1. 60\"/>

NOTE:
 1. ALL BENDS OF 10 AND LARGER SHALL BE BLOCKED WITH AT LEAST 10\"/>

A. CURB BOX FOR 1\"/>

NOTES:
 1. HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATERMANS AND SEWERS SHALL COMPLY WITH VILLAGE OF GLENVIEW ENGINEERING STANDARDS MANUAL OR IEPA REQUIREMENTS, WHICHEVER IS MORE STRINGENT.
 2. CONTRACTOR MAY BEND WATER MAIN PIPE UNIFORMLY UNDER SEWERS WITHOUT USING FITTINGS, PROVIDED THAT JOINT DEFLECTION DOES NOT EXCEED 5 DEGREES PER JOINT FOR PIPE UNDER 14\"/>

HYDRANT SPECIFICATIONS:
 U.S. PIPE, M-94 HYDRANT
 ALL HYDRANTS TO HAVE DOUBLE STEAMERS 2 1/4\"/>

NOTE:
 1. ALL BENDS OF 10 AND LARGER SHALL BE BLOCKED WITH AT LEAST 10\"/>

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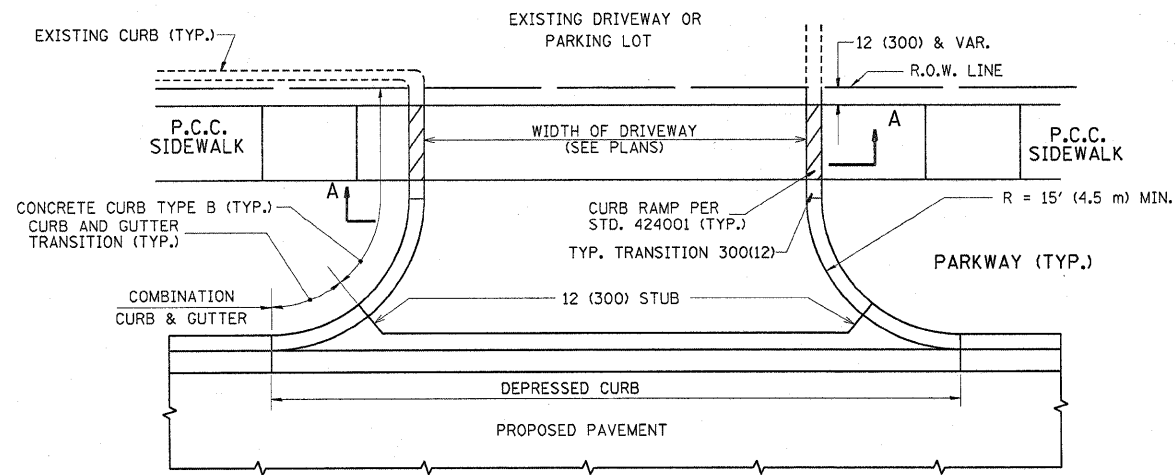
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

VILLAGE OF GLENVIEW
 VARIOUS WATERMAIN DETAILS

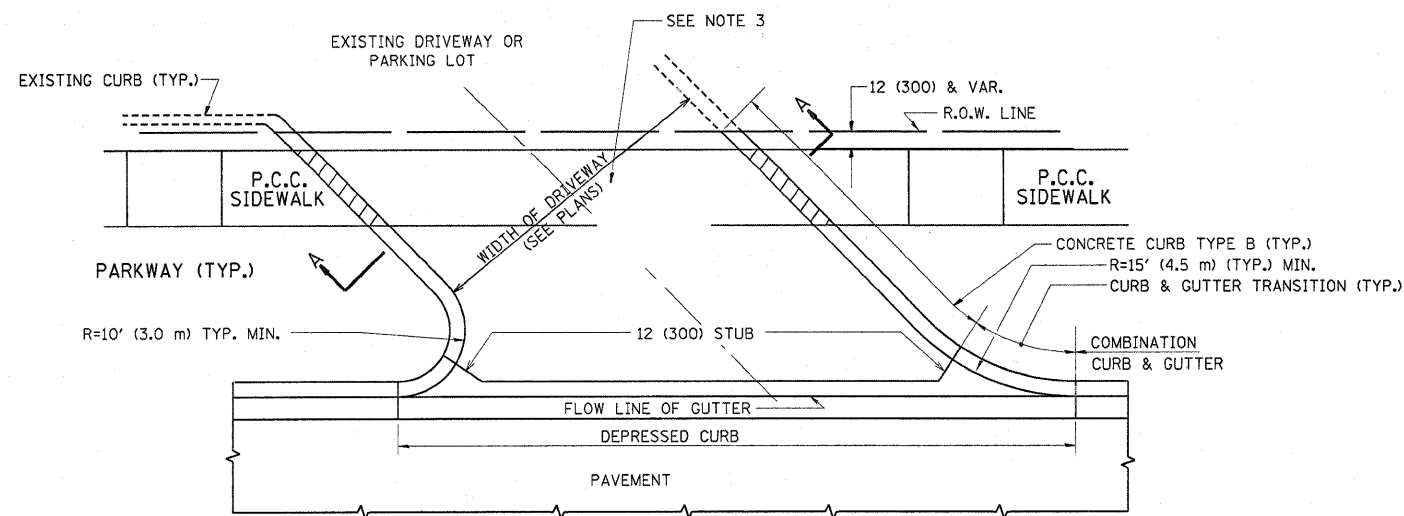
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CONTRACT NO. 60D25				

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

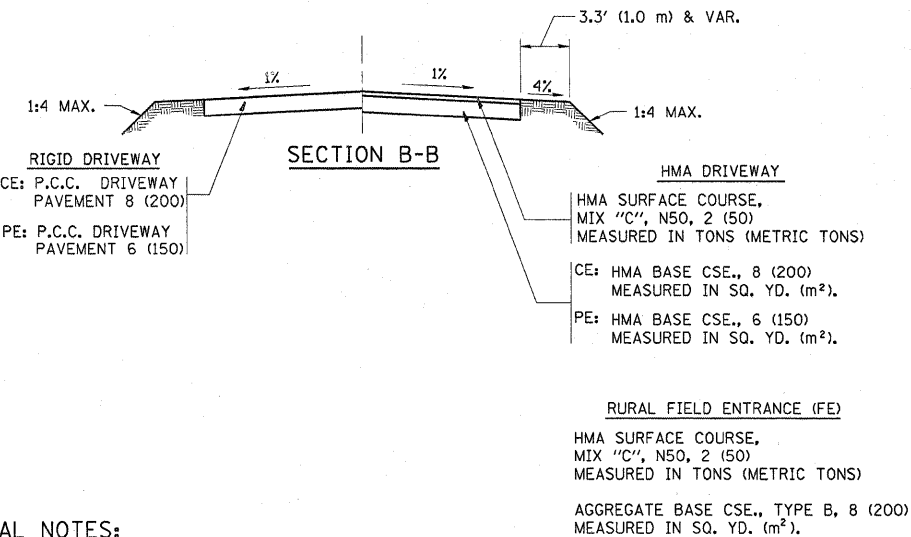
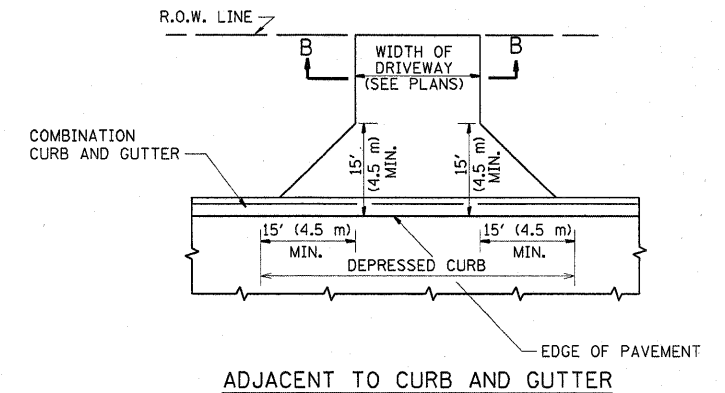
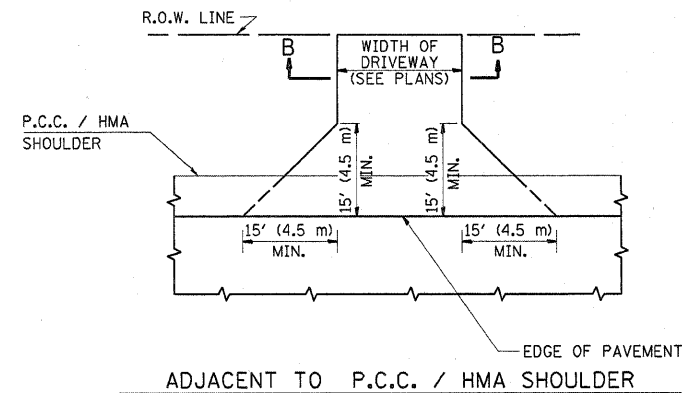
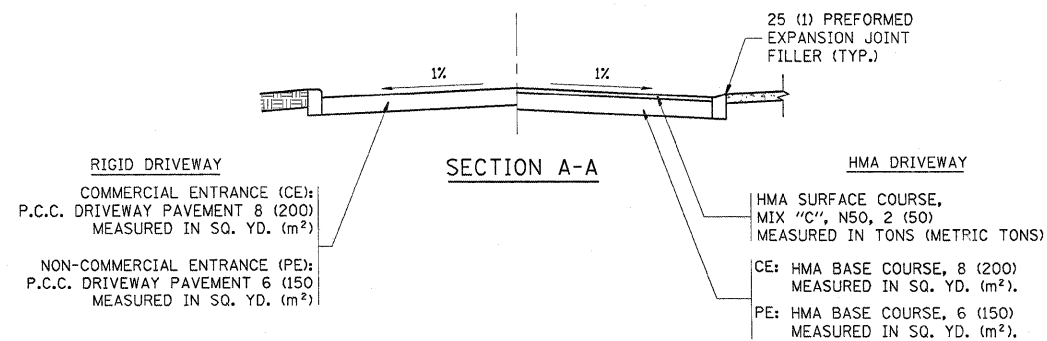
ILLINOIS FED. AID PROJECT



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



GENERAL NOTES:

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

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 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.

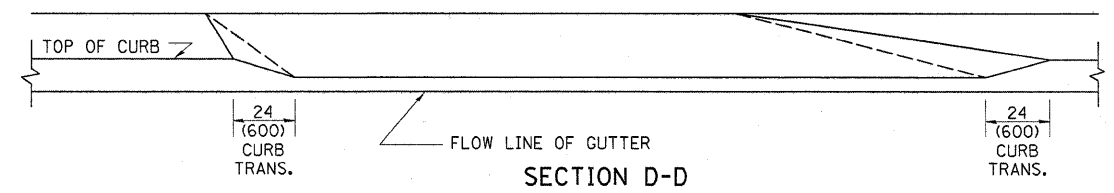
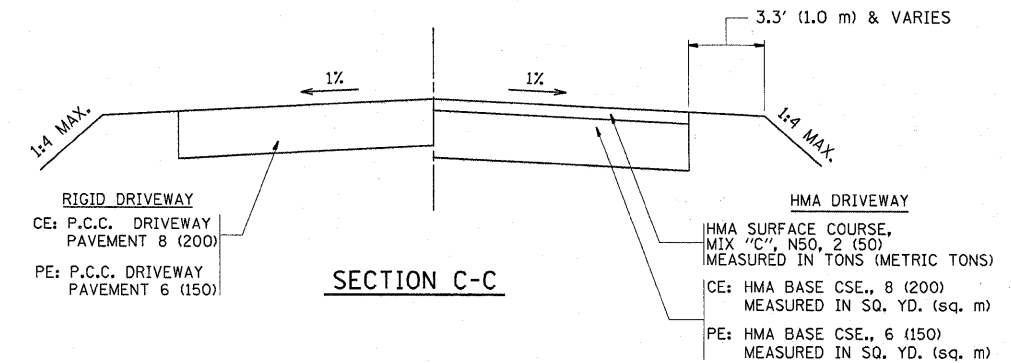
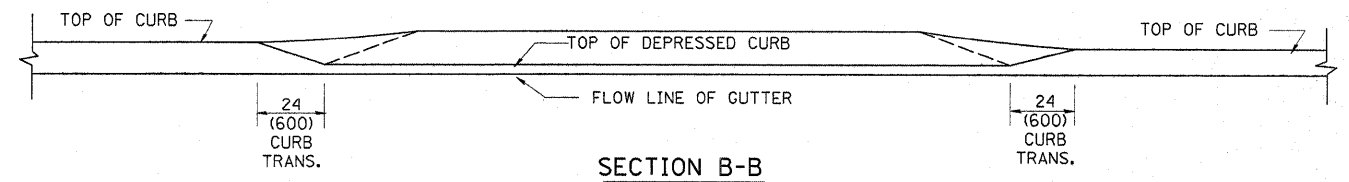
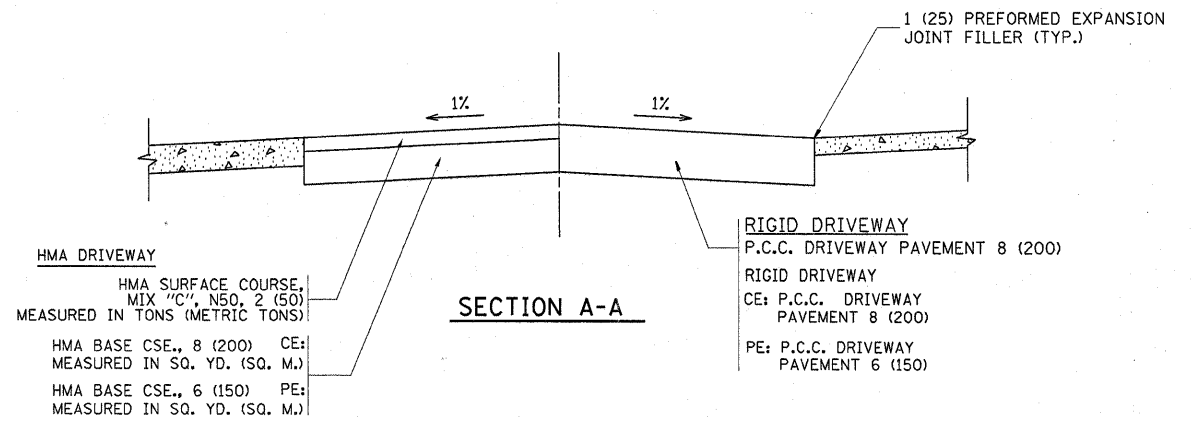
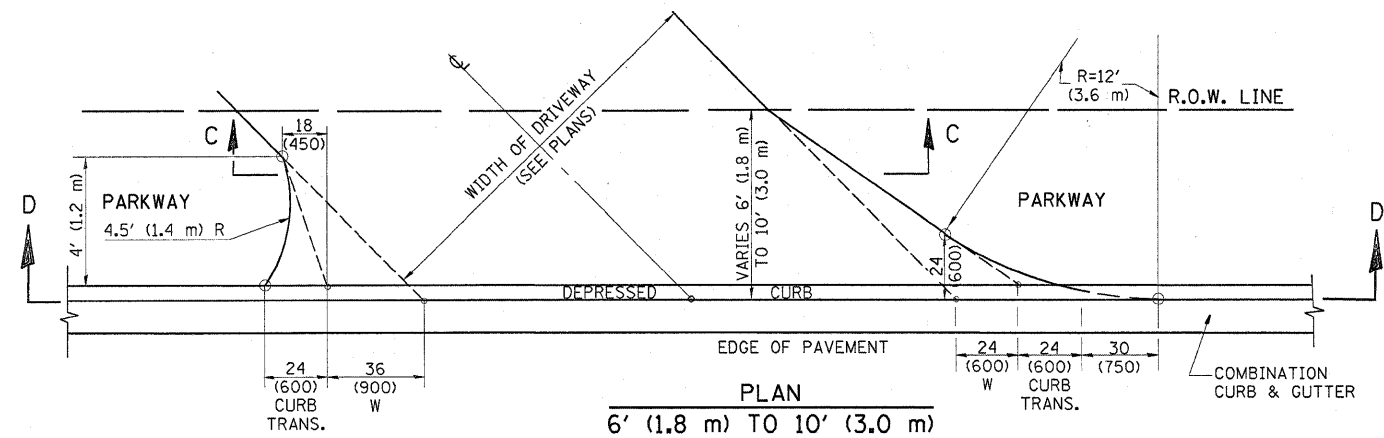
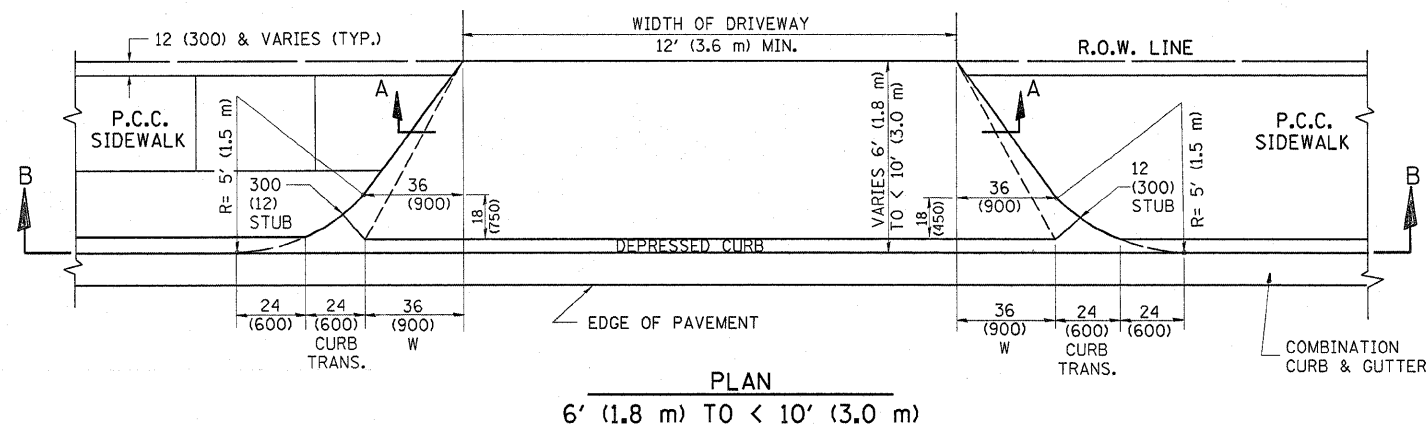
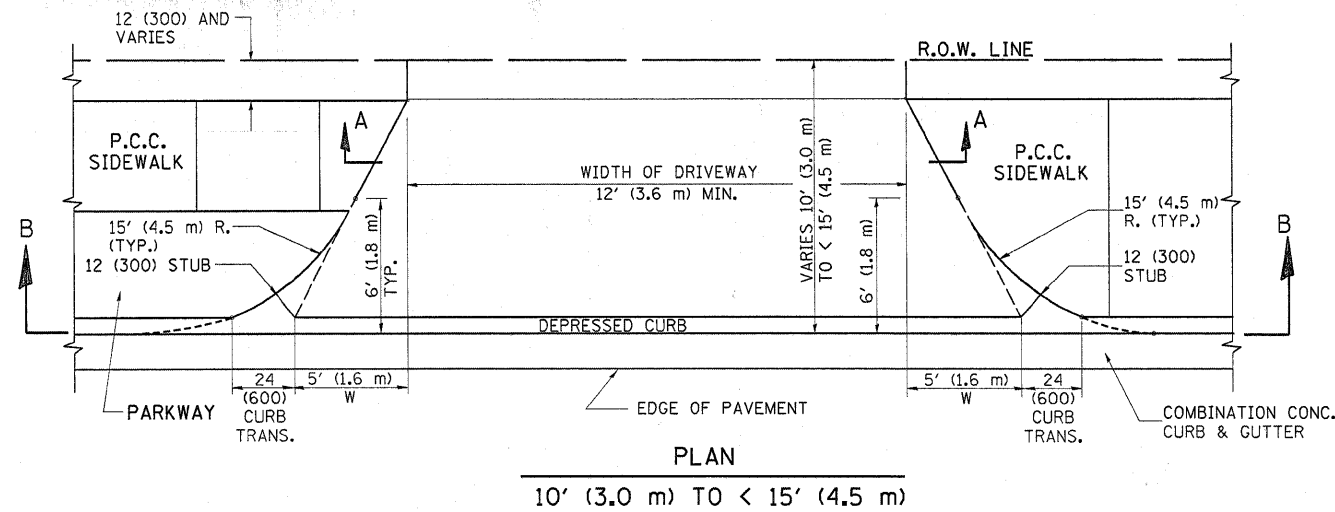
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	PLOT DATE = 1/27/2010	DATE - 11-04-95	REVISED - R. BORO 06-11-08

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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	47
BDD156-07 (BD-01)			CONTRACT NO. 60D25	
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.

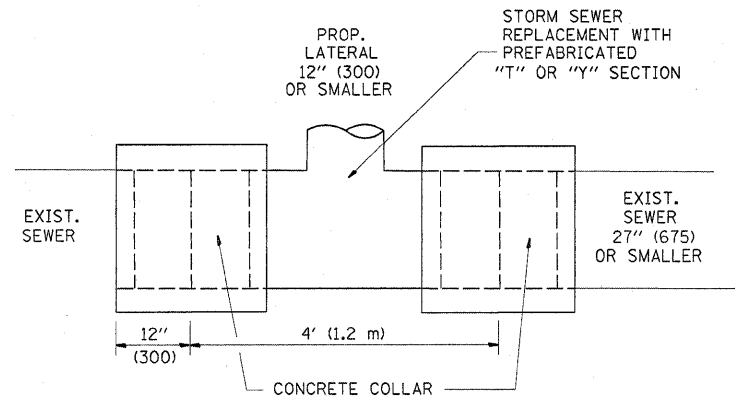
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	PLOT DATE = 1/27/2010	DATE - 11-06-95	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)**

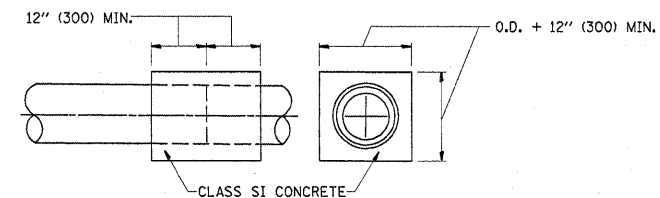
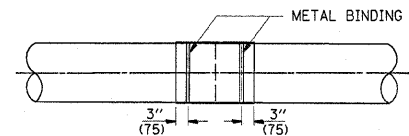
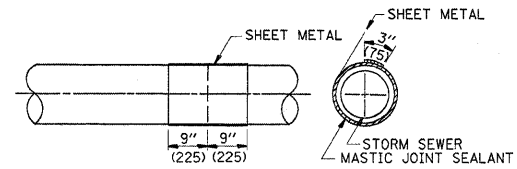
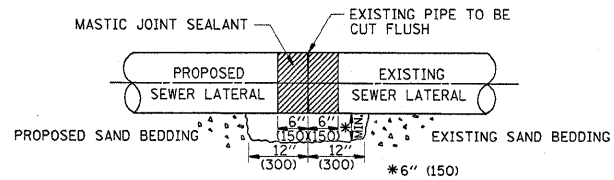
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	48
BD400-02 (BD-02)			CONTRACT NO. 60D25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27'' (675) OR SMALLER

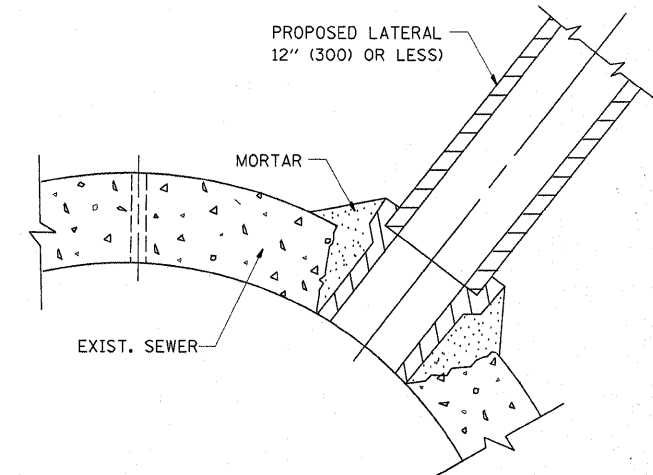


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6'' (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6'' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18'' (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3'' (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9'' (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3'' (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30'' (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27'' (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30'' (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

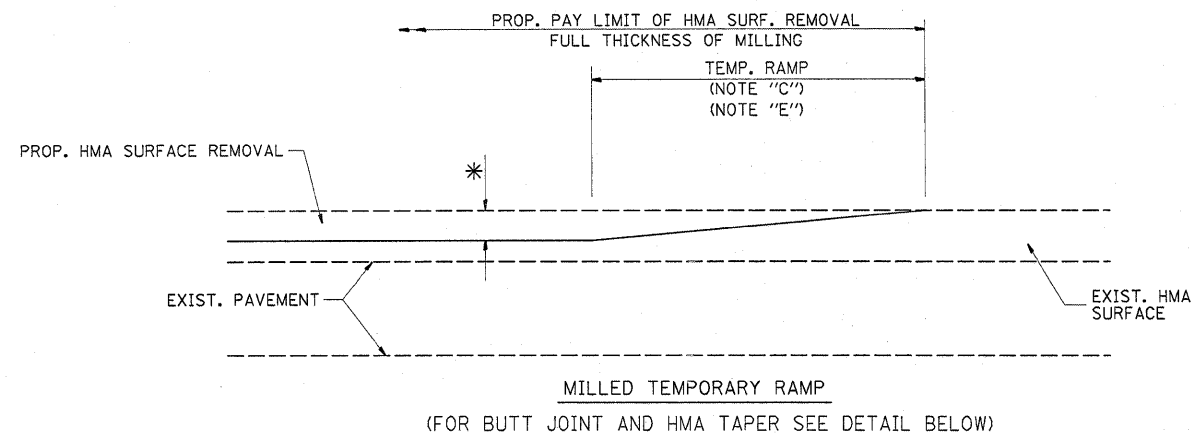
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

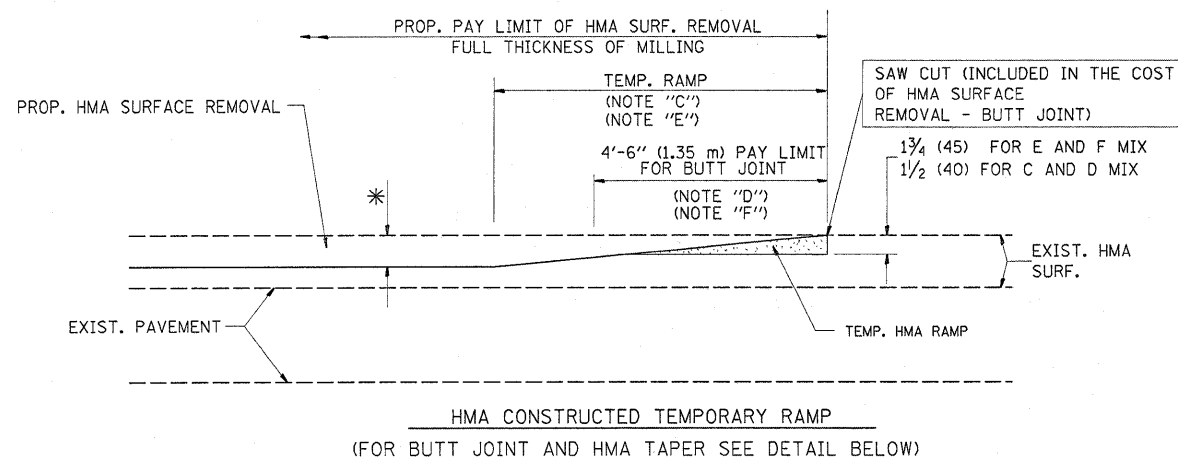
CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

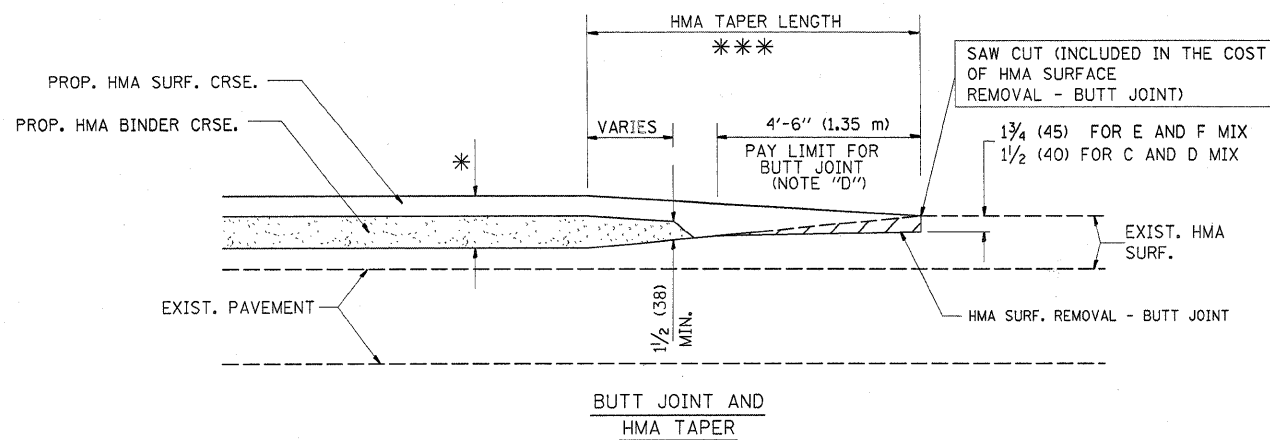
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ca\pwork\PMIDOT\MIDYJA\dms93788\01st5.dgn		DRAWN -	REVISED - R. SHAH 09-09-94		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	339	584 Y-N-1	COOK	61	49
		CHECKED -	REVISED - R. SHAH 10-25-94					BD500-01 (BD-7)		CONTRACT NO. 60D25		
		DATE - 07-25-90	REVISED - R. SHAH 06-12-96					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



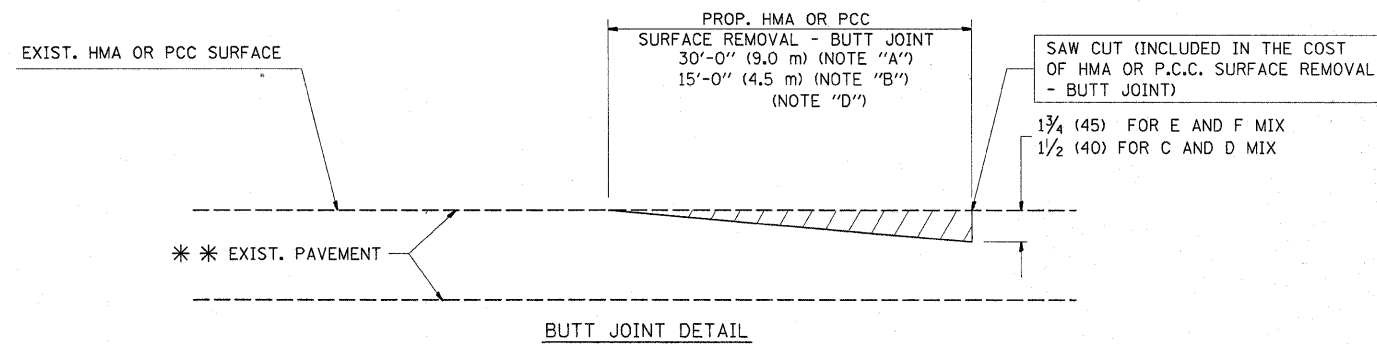
OPTION 1



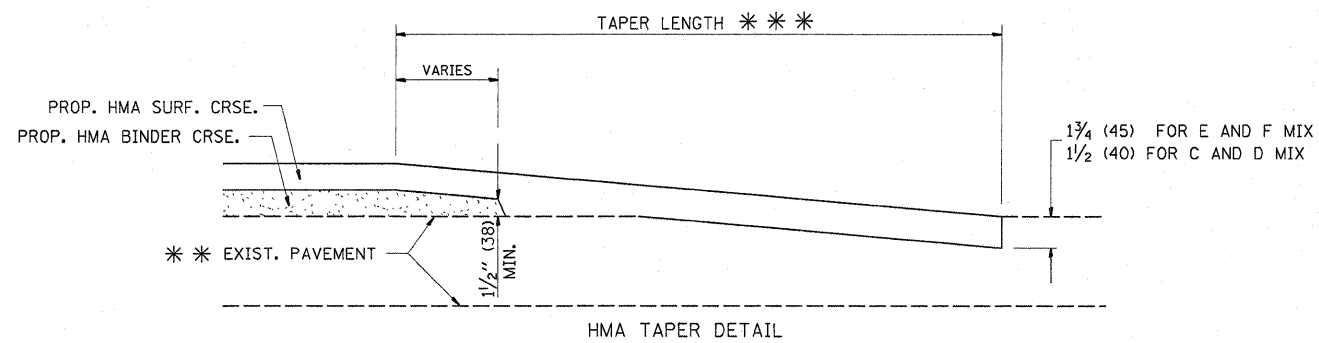
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

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

NOTES

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

BASIS OF PAYMENT:

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

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

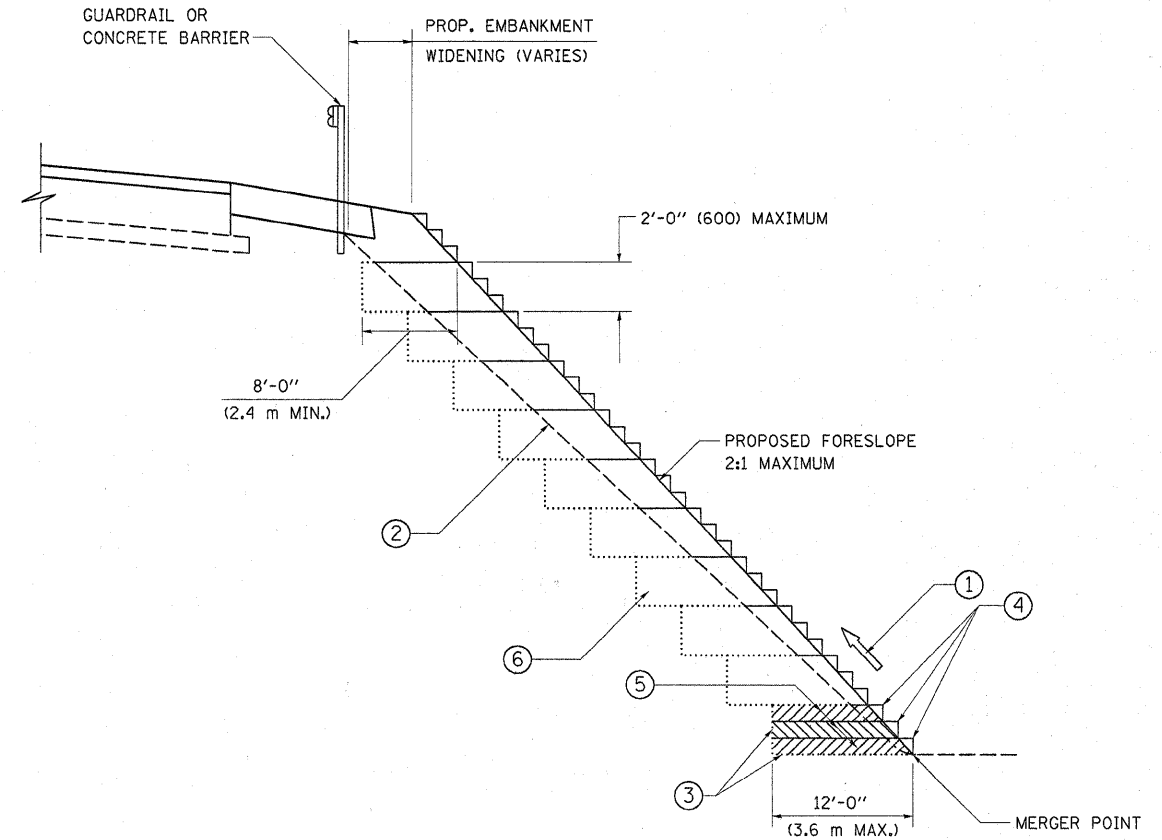
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	PLOT DATE = 1/27/2010	DATE - 06-13-90	REVISED - R. BORO 01-01-07

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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	50
BD400-05 BD32			CONTRACT NO. 60D25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

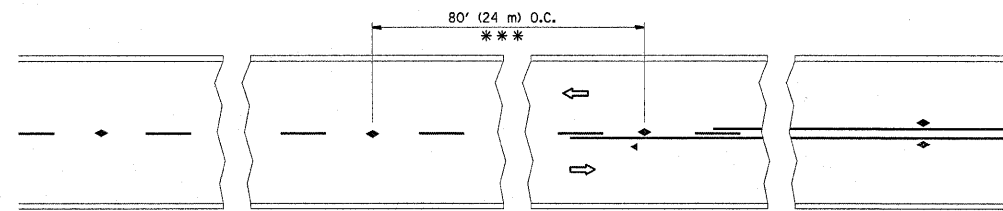
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	PLOT DATE = 1/27/2010	DATE - 06-16-04	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BENCHING DETAIL
FOR EMBANKMENT WIDENING**

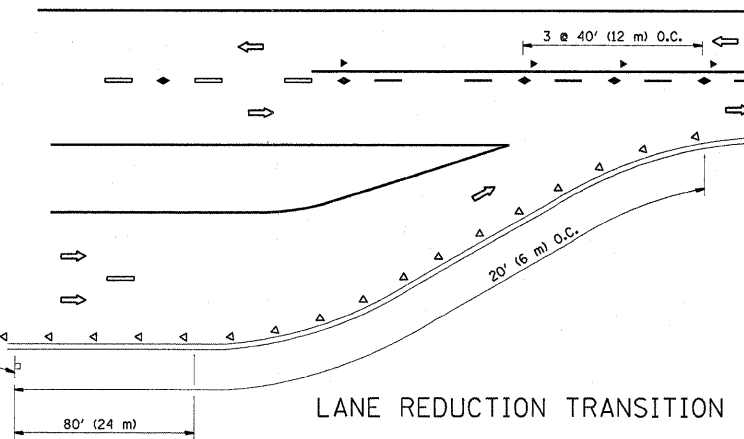
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BD-51			CONTRACT NO. 60D25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

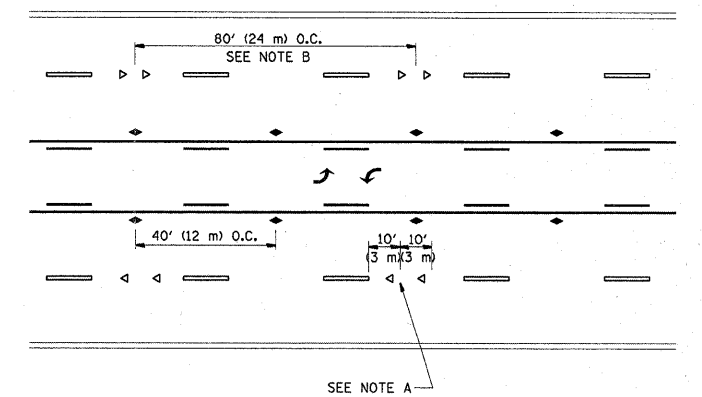


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 Km/h) OR LESS.

TWO-LANE/TWO-WAY

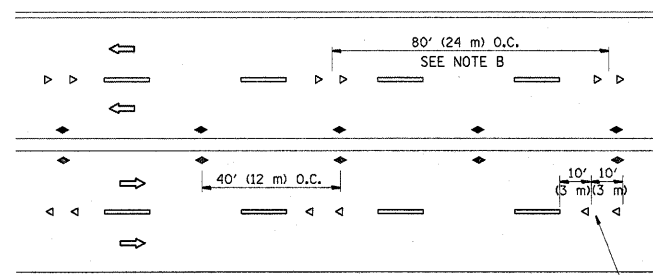


LANE REDUCTION TRANSITION



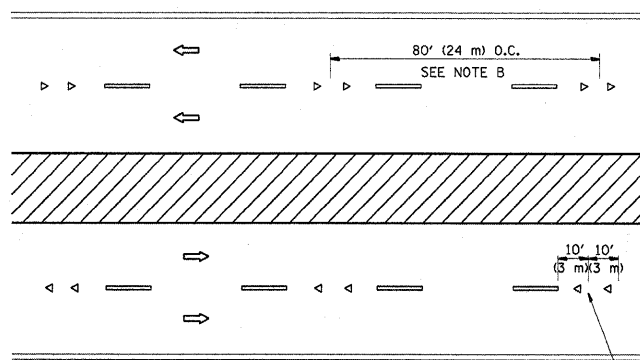
SEE NOTE A

TWO-WAY LEFT TURN



SEE NOTE A

MULTI-LANE/UNDIVIDED



SEE NOTE A

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

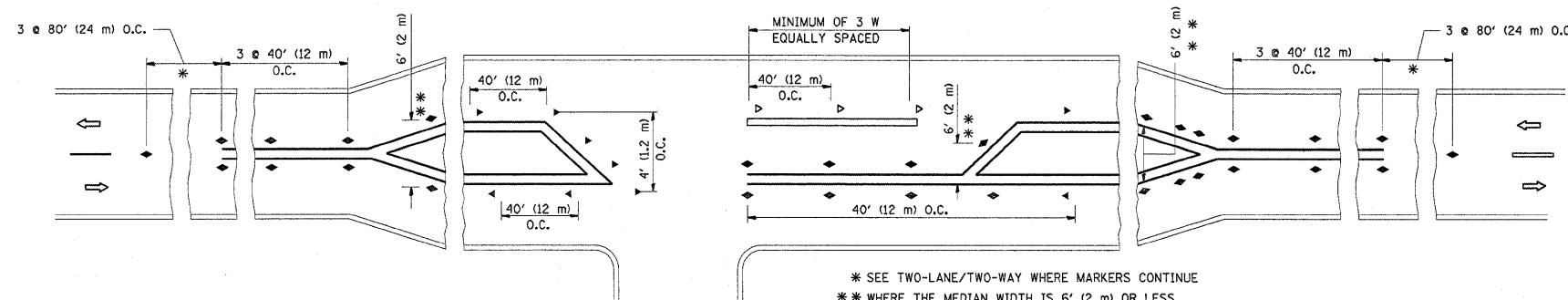
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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 SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



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

LEFT TURN

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

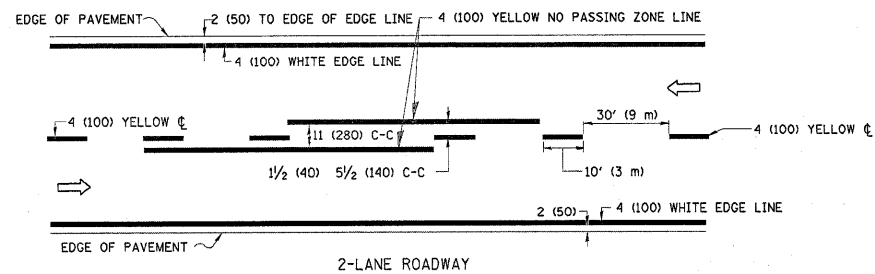
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

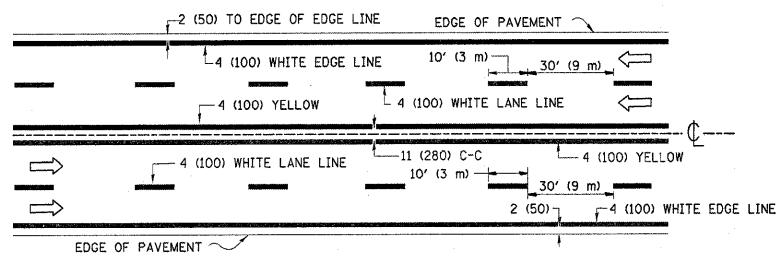
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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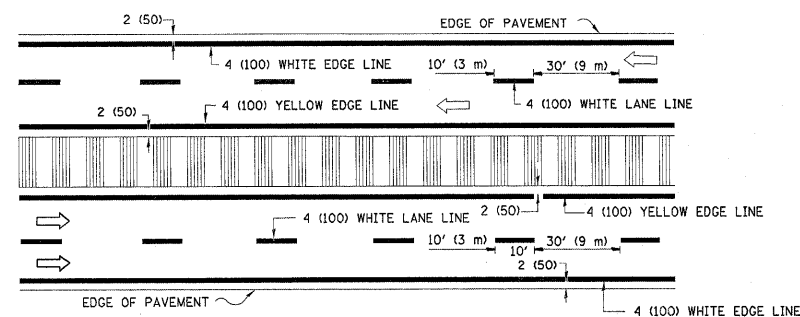
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	52
TC-11			CONTRACT NO. 60D25	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



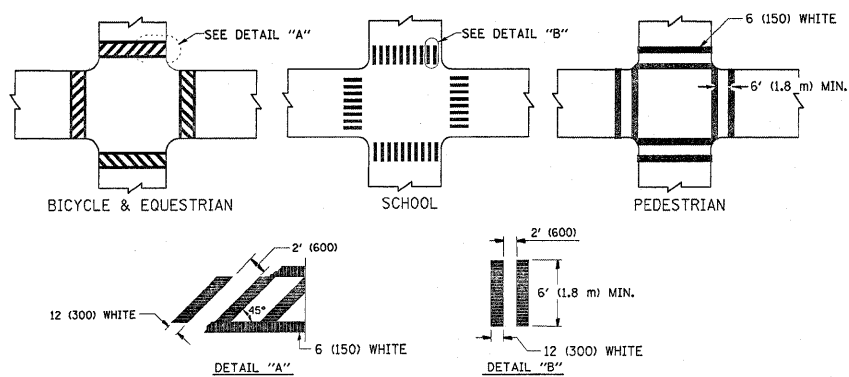
MULTI-LANE UNDIVIDED



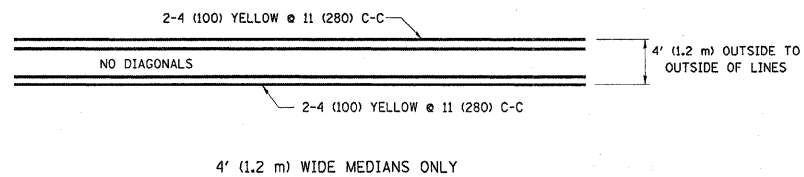
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

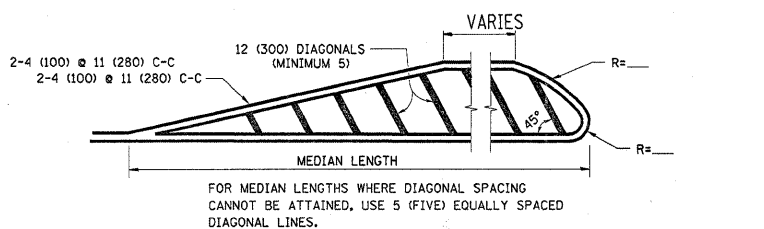
TYPICAL LANE AND EDGE LINE MARKING



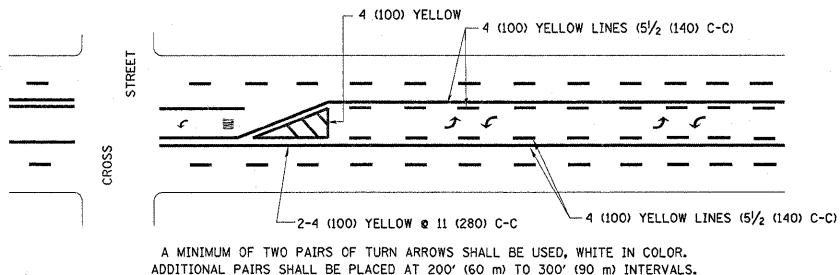
TYPICAL CROSSWALK MARKING



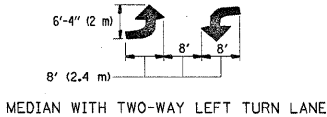
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

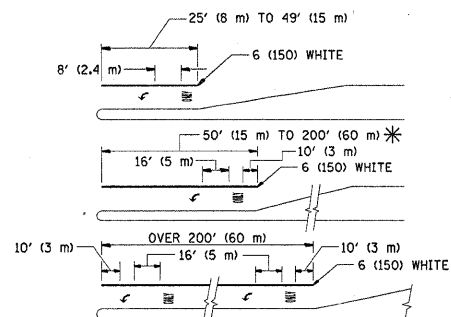


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

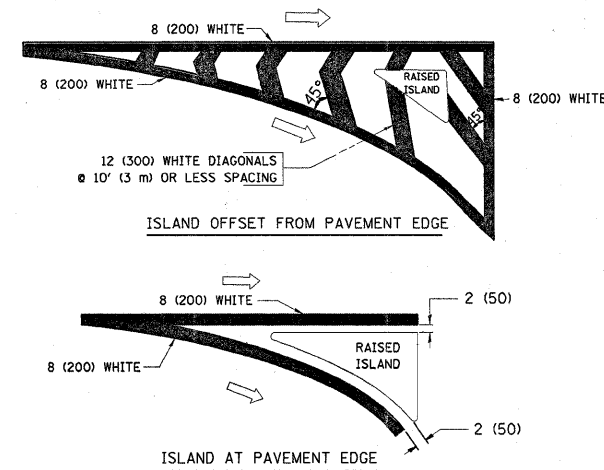
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²) * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

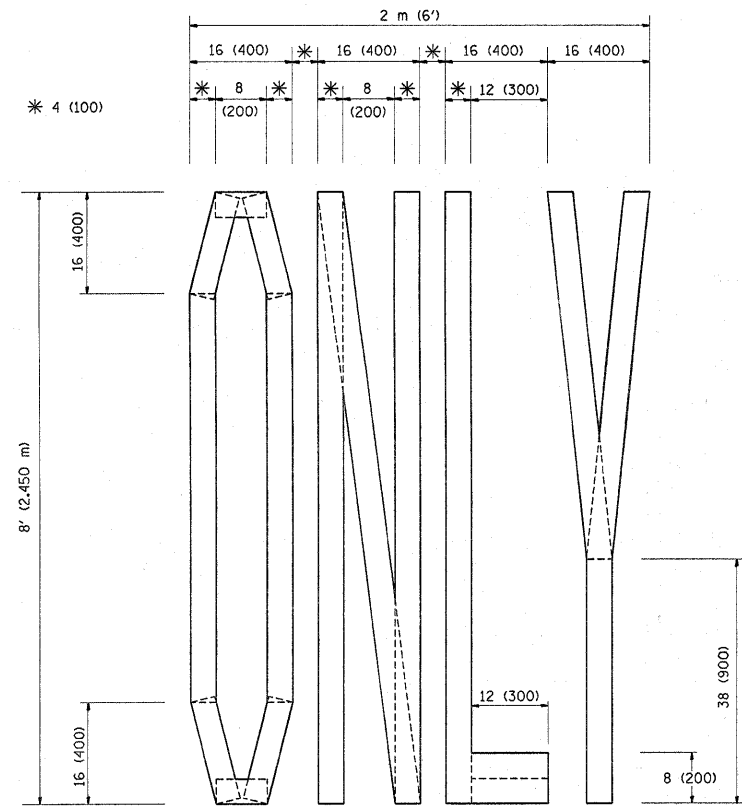
All dimensions are in Inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = midyja	DESIGNED - EVERS	REVISED - T. RAMMACHER 10-27-94
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		CHECKED -	REVISED -
		DATE - 03-19-90	REVISED -

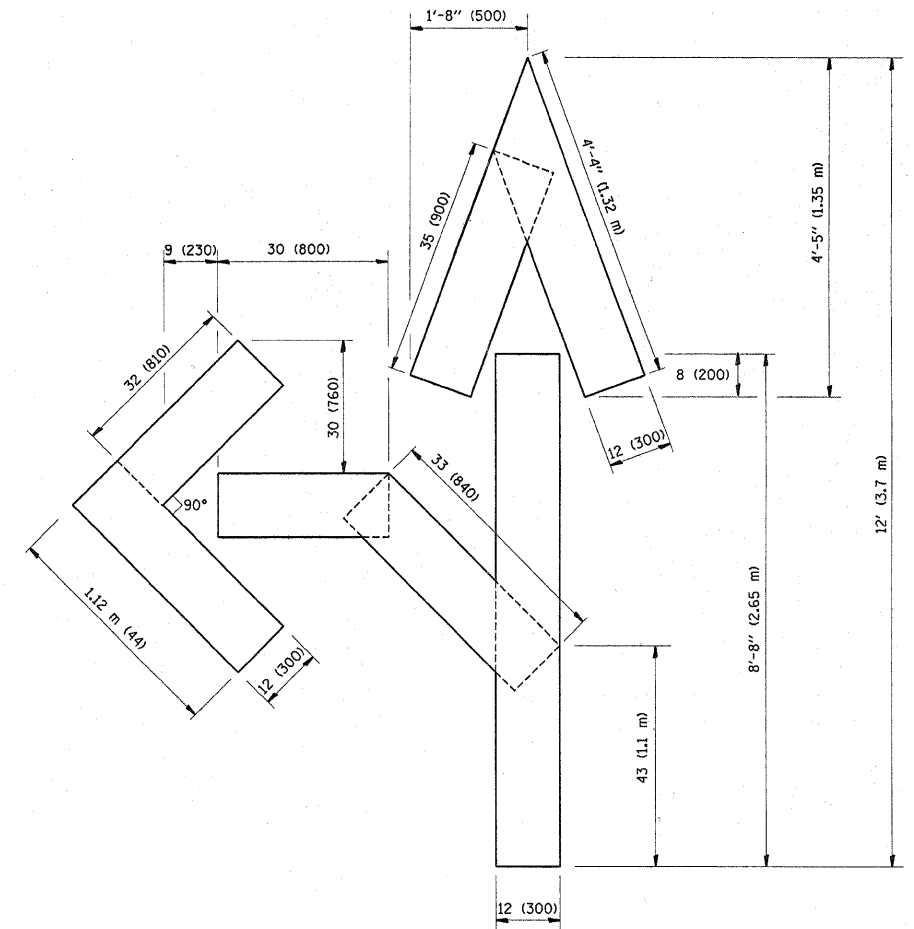
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

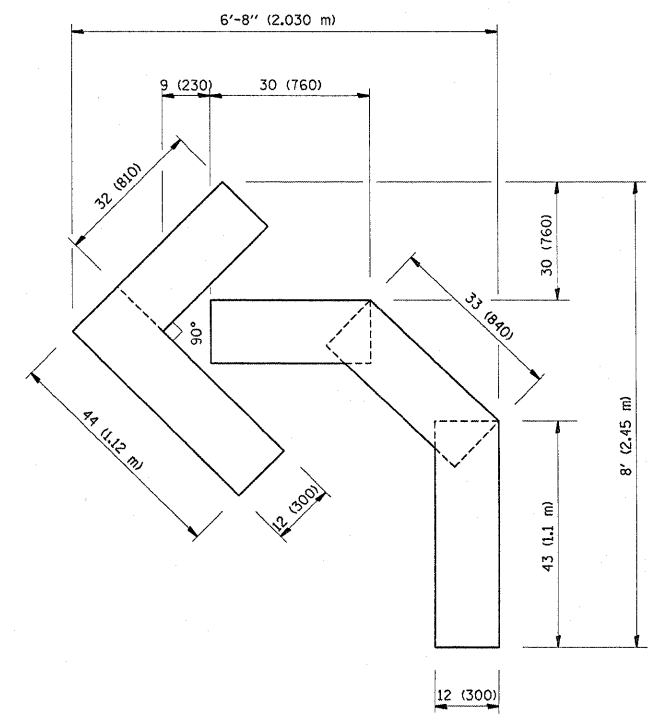
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			TC-13		CONTRACT NO. 60D25		
			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 =	USER NAME = midyjo	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
ca:\pwwork\p\WIDOT\MIDYJA\dms93788\DistS	ed.dgn	DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/27/2010	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

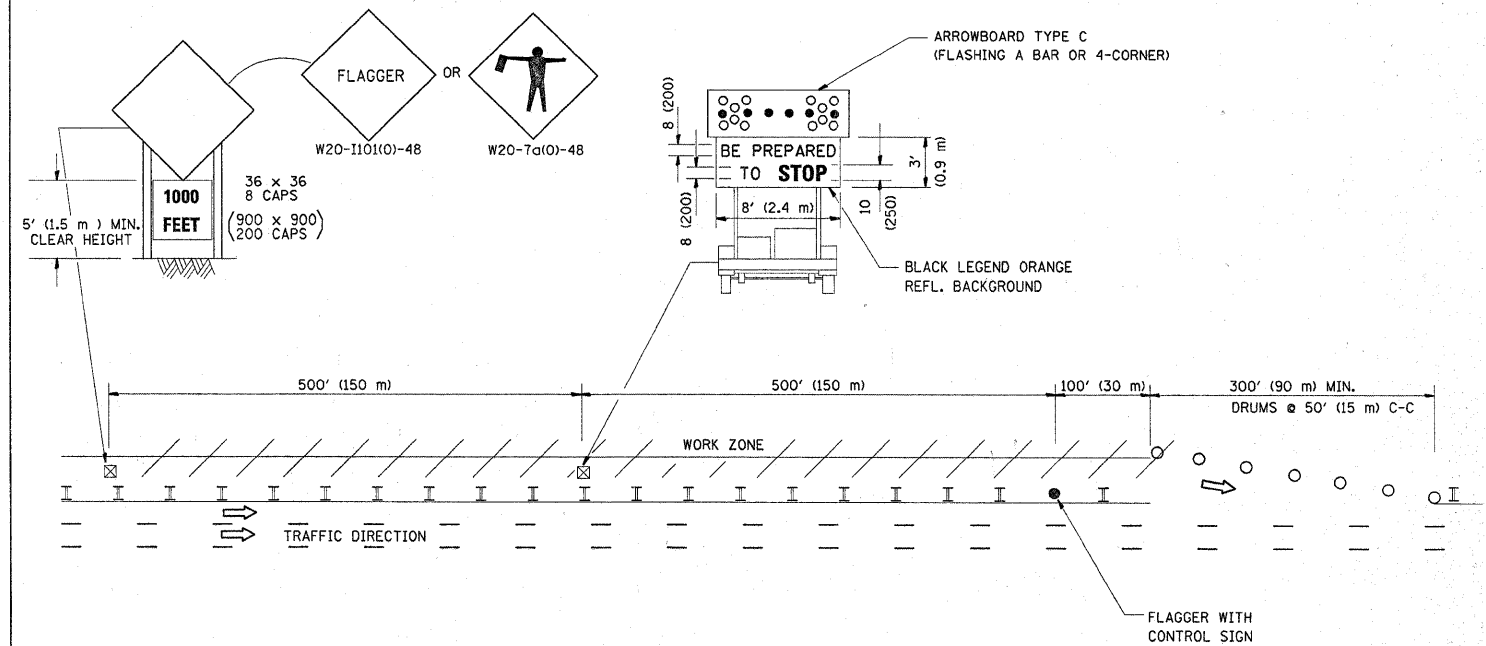
PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

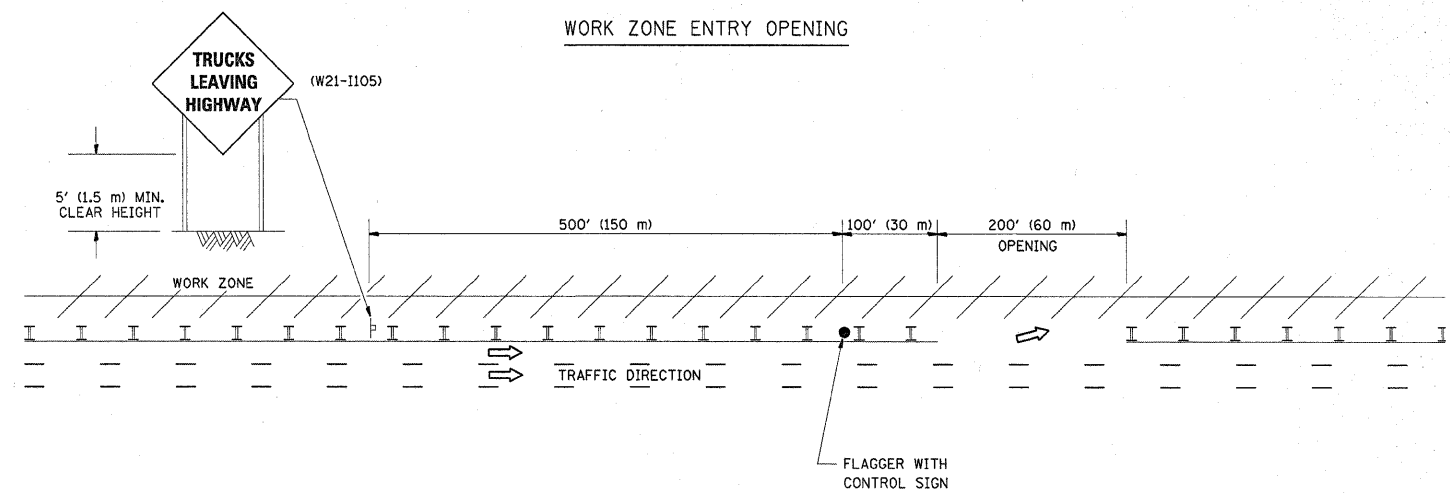
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339	584 Y-N-1	COOK	61	54
TC-16		CONTRACT NO. 60D25		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. THE ARROWBOARD, THE FLAGGER AHEAD SIGN AND THE TRUCKS LEAVING HIGHWAY SIGN SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE EXIT OPENINGS SHOULD BE A MINIMUM OF ONE HALF MILE APART.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

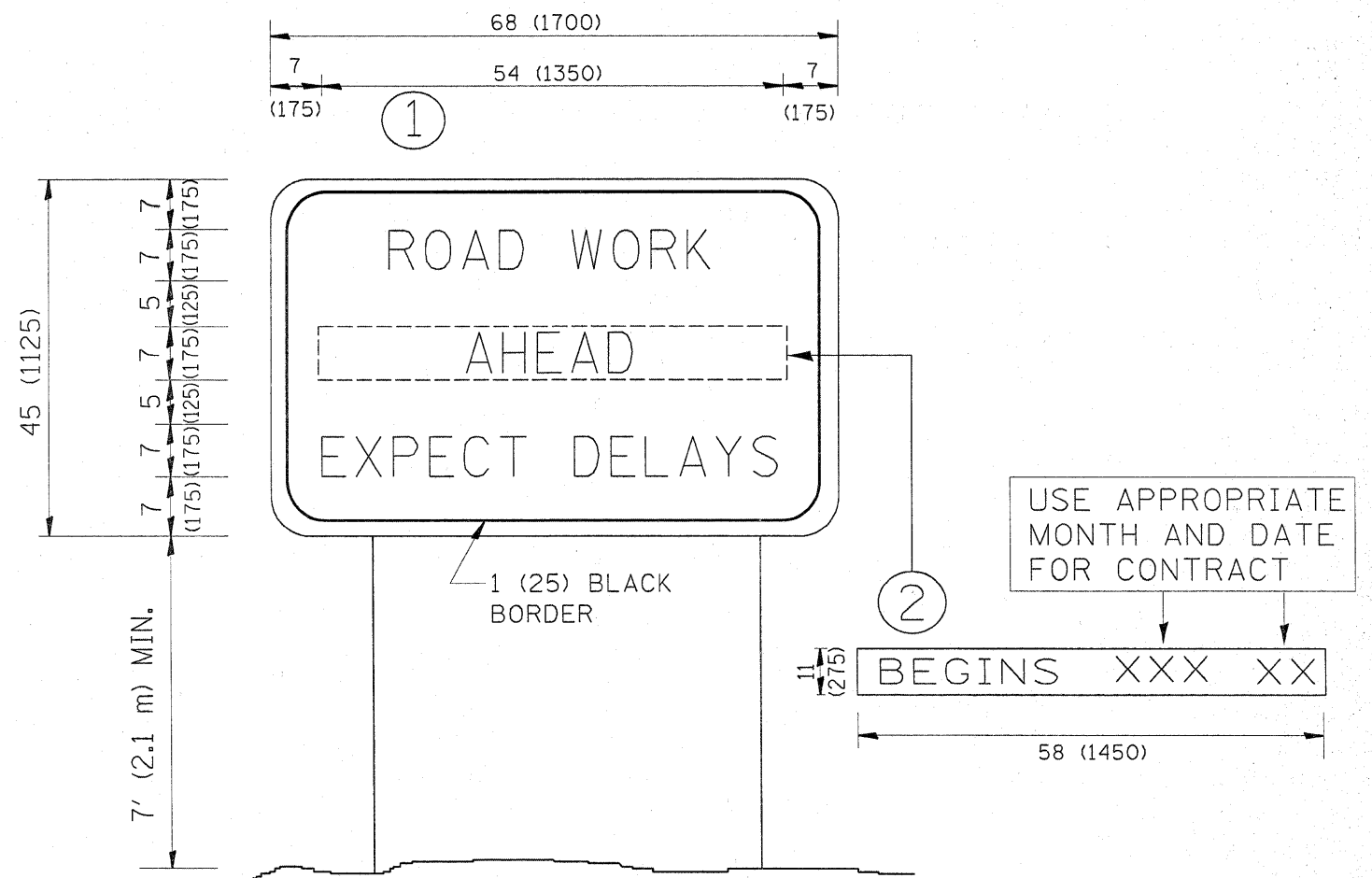
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c:\pwork\PWIDOT\MIDYJA\dms93788\01stS	ed.dgn	DRAWN -	REVISED - J.A.F. 02-06
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	PLOT DATE = 1/27/2010	DATE -	REVISED - S.P.B. 12-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS

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

F.A.P. RTE. 339	SECTION 584 Y-N-1	COUNTY COOK	TOTAL SHEETS 61	SHEET NO. 55
TC-18		CONTRACT NO. 60D25		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

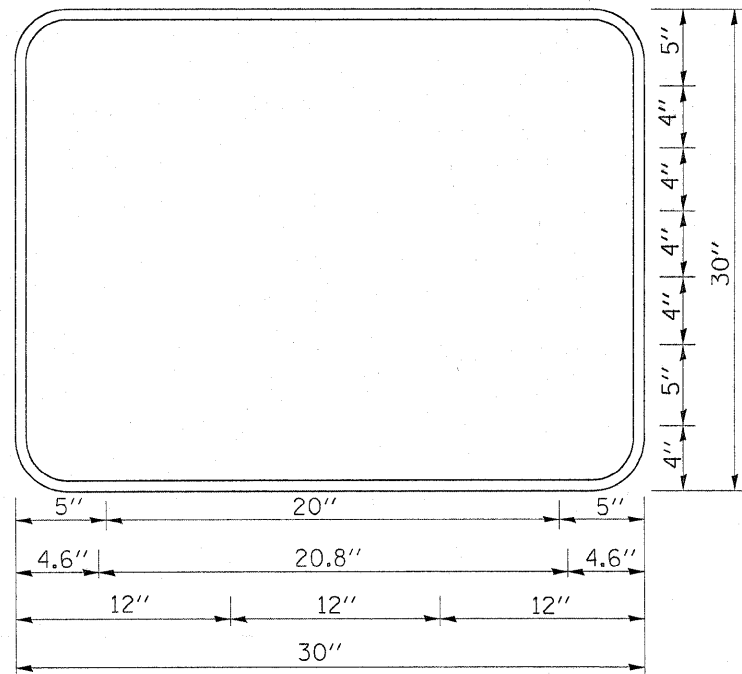


NOTES:

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 =	USER NAME = midjja	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P. RTE. 339	SECTION 584 Y-N-1	COUNTY COOK	TOTAL SHEETS 61	SHEET NO. 56
c:\pwork\pwork\DOT\MIDYJA\dms93788\01stS	cd.dgn	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT	
		CHECKED -	REVISED - T. RAMMACHER 02-02-99								CONTRACT NO. 60D25	
		DATE -	REVISED - C. JUCIUS 01-31-07									



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

NOTES:

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

FILE NAME =	USER NAME = midyja	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ct:\pw_work\PMIDOT\MIDYJA\dms93788\01st5	pd.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/27/2010	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

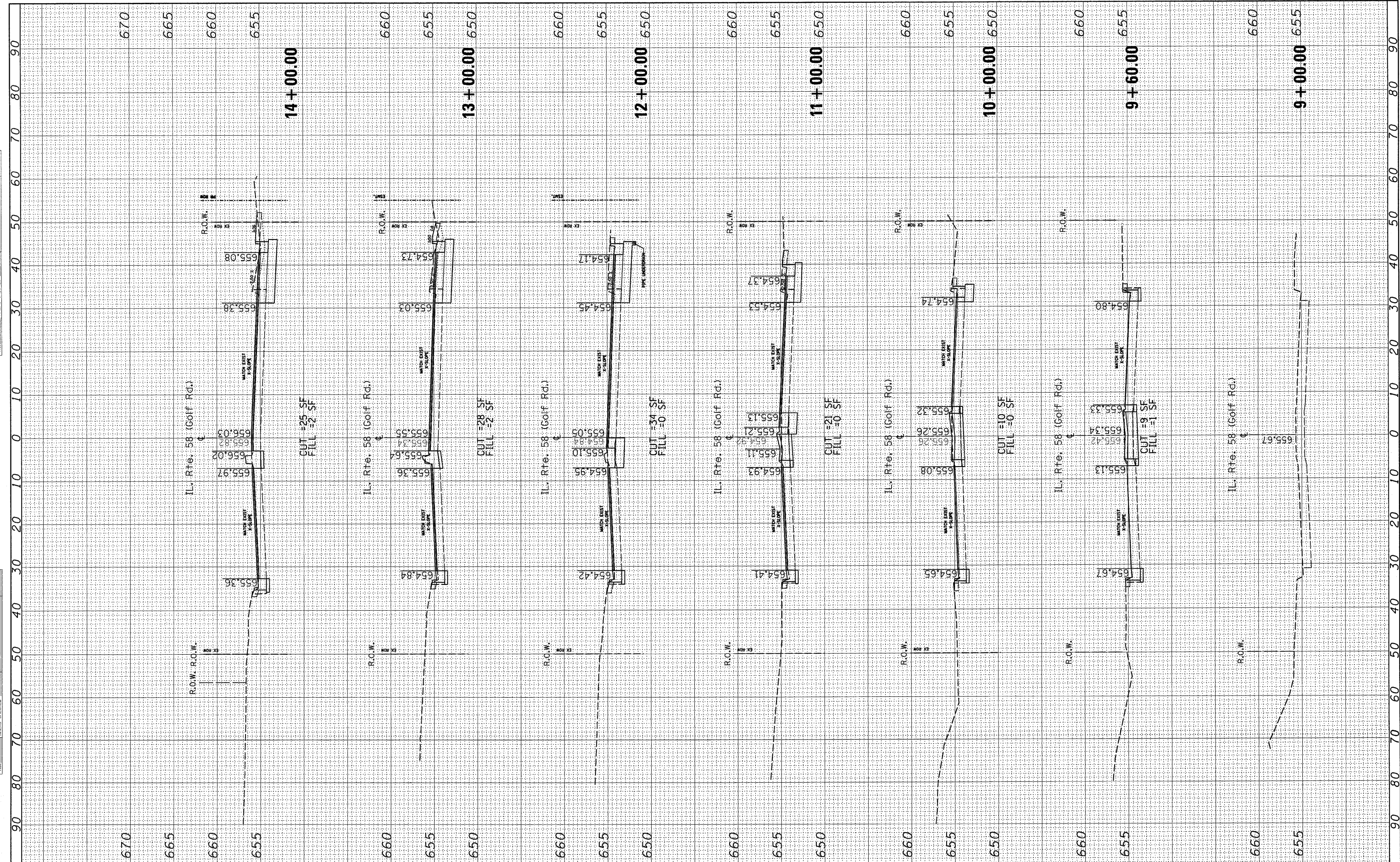
DRIVEWAY ENTRANCE SIGNING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	57
TC-26		CONTRACT NO. 60D25		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY PLOTTED DATE: _____
 NOTE BOOK NO.: _____
 AREAS CHECKED: _____

ORIGINAL SURVEY PLOTTED DATE: _____
 NOTE BOOK NO.: _____
 AREAS CHECKED: _____



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DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 5/3/2010

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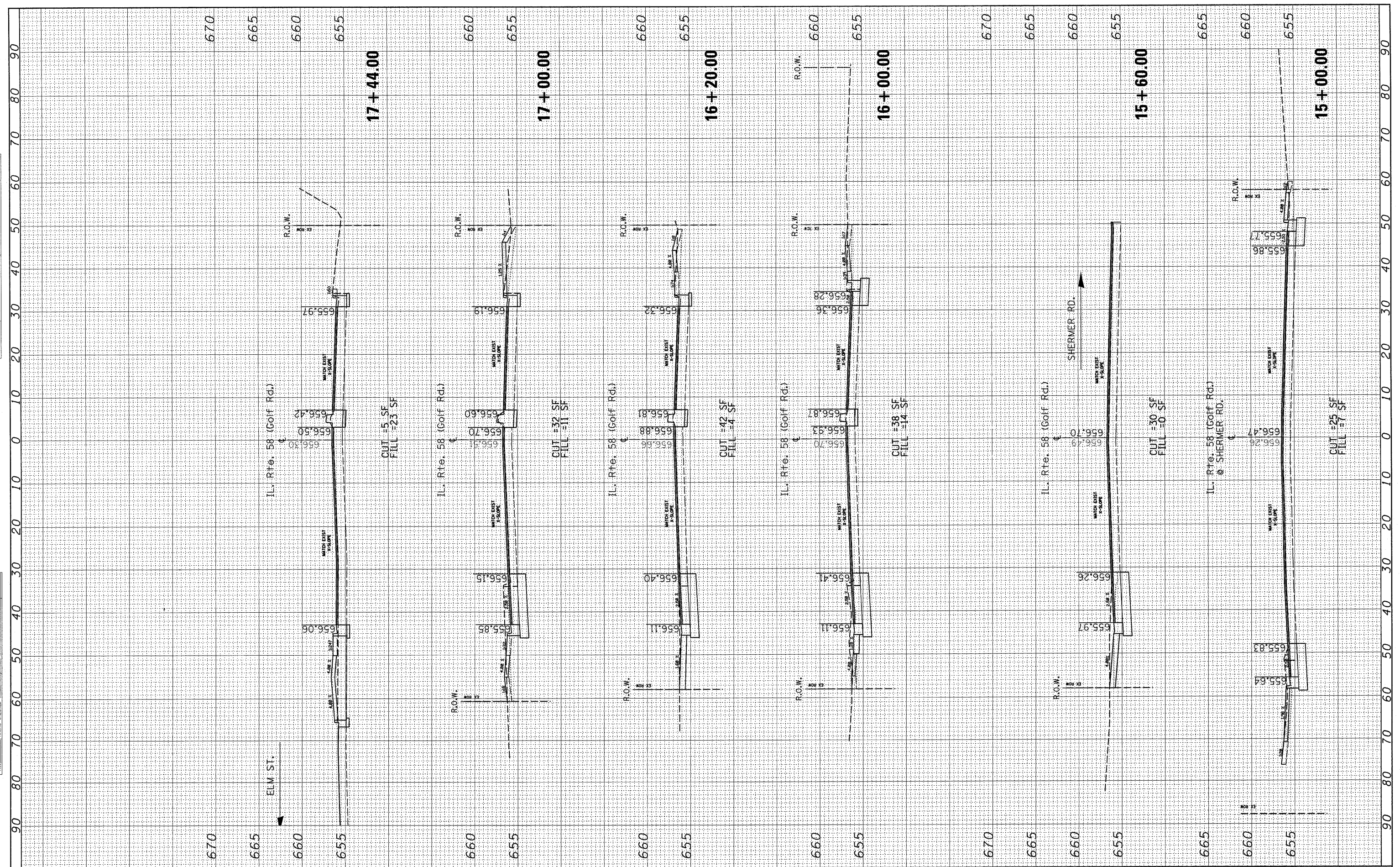
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL. RTE. 58 @ SHERMER RD.**
 SCALE: SHEET NO. OF SHEETS STA. 9+00.00 TO STA. 14+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	58
CONTRACT NO. 60D25			[ILLINOIS] FED. AID PROJECT	

FINAL SURVEY
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____
 BY _____
 DATE _____

ORIGINAL SURVEY
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____
 BY _____
 DATE _____



FILE NAME = c:\pw_work\PWIDOT\MIDYJA\dms93788\126704-sht-
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 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

ssht-1158_2.dgn
 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 5/3/2010

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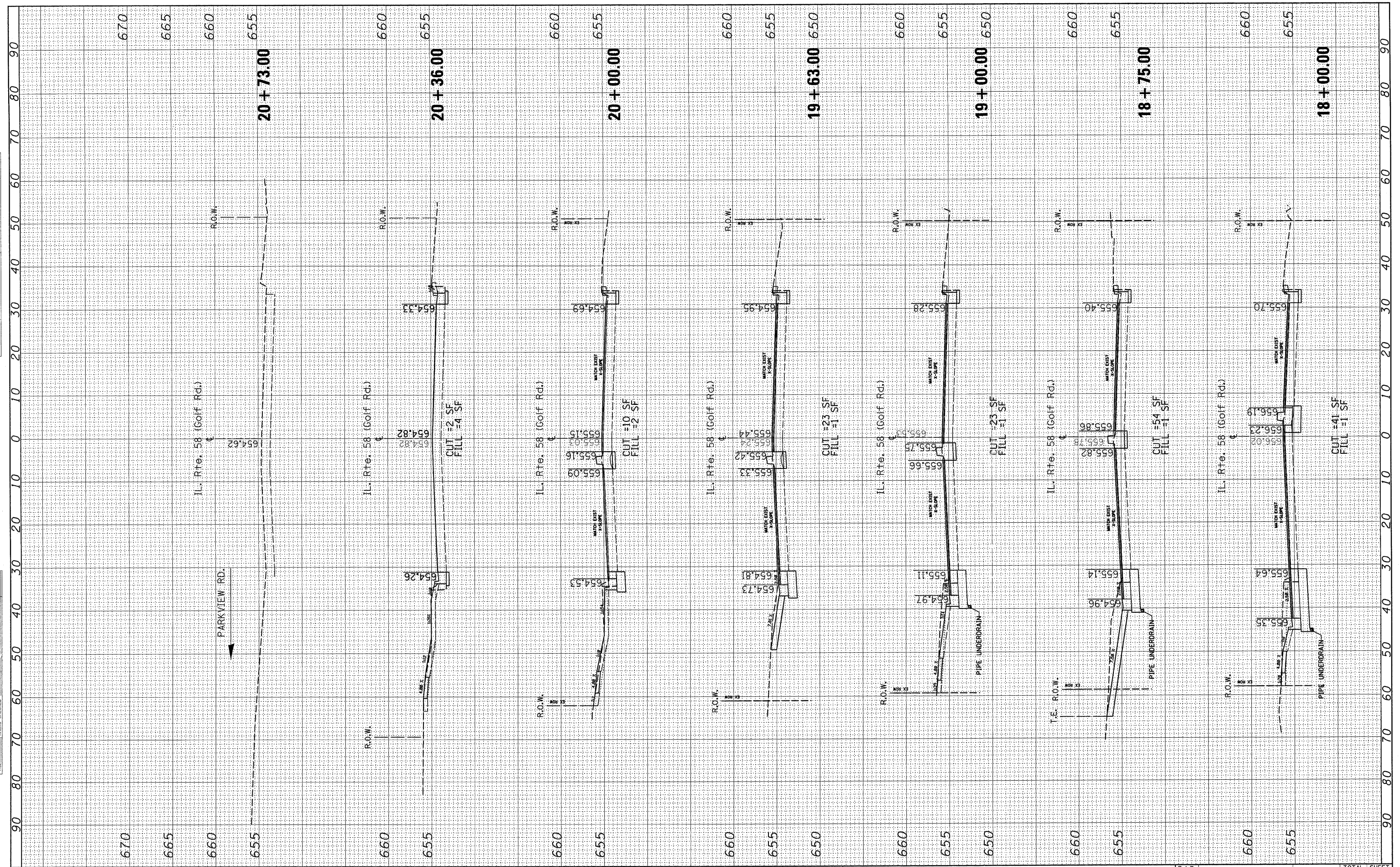
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL. RTE. 58 @ SHERMER RD.**
 SCALE: SHEET NO. OF SHEETS STA. 15+00.00 TO STA. 17+44.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
339	584 Y-N-1	COOK	61	59
CONTRACT NO. 60D25			ILLINOIS FED. AID PROJECT	

FINAL SURVEY
 SURVEYED BY: _____
 PLOTTED BY: _____
 NOTE BOOK NO.: _____
 AREAS CHECKED: _____

ORIGINAL SURVEY
 SURVEYED BY: _____
 PLOTTED BY: _____
 NOTE BOOK NO.: _____
 AREAS CHECKED: _____



FILE NAME =
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USER NAME = midyja
 DESIGNED -
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 CHECKED -
 DATE -

REVISIONS
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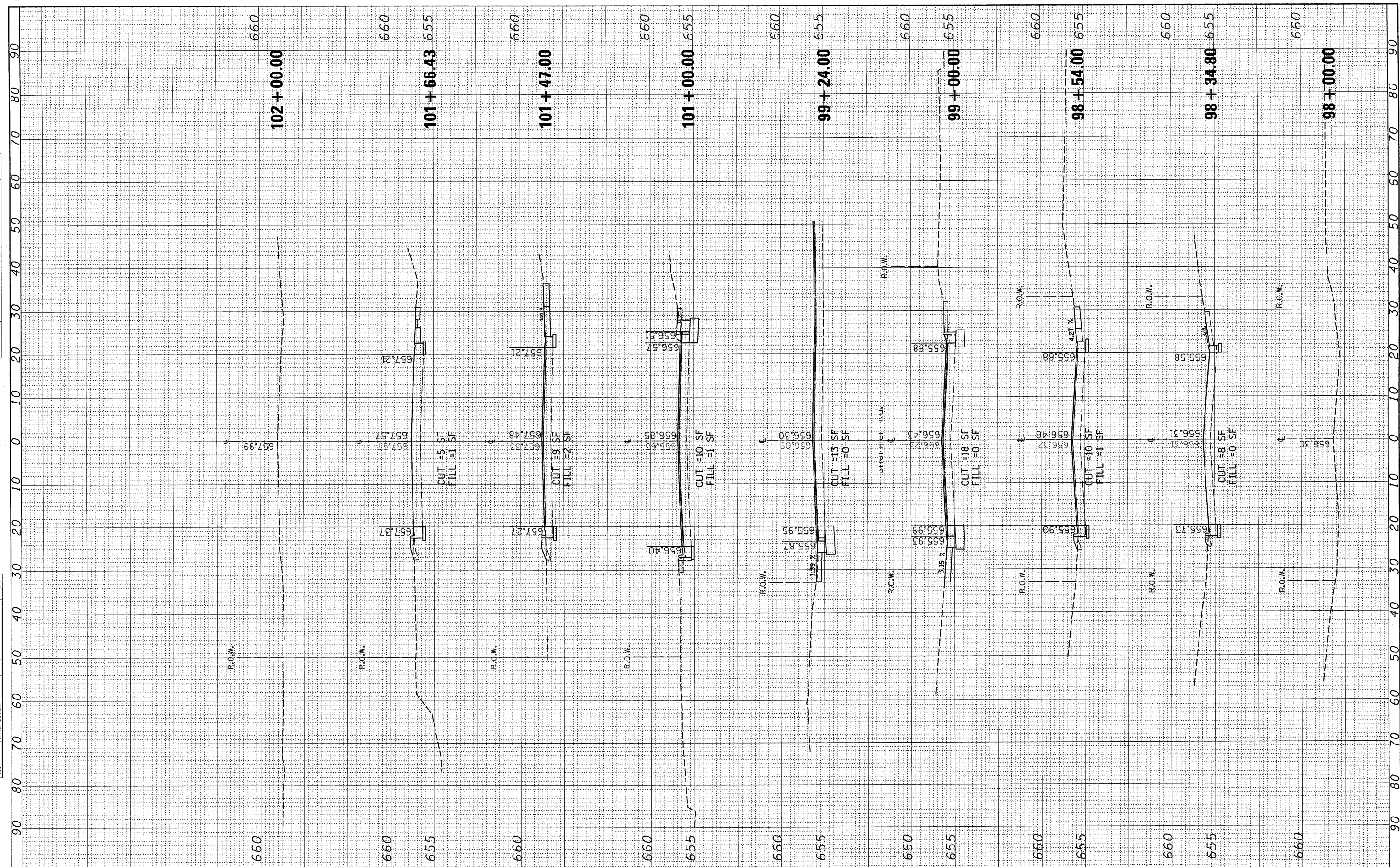
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL. RTE. 58 @ SHERMER RD.**
 SCALE: SHEET NO. OF SHEETS STA. 18+00.00 TO STA. 20+73.00

F.A.P. RTE. 339	SECTION 584 Y-N-1	COUNTY COOK	TOTAL SHEETS 61	SHEET NO. 60
CONTRACT NO. 60D25			ILLINOIS FED. AID PROJECT	

FINAL SURVEY
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS _____
 AREAS CHECKED _____

ORIGINAL SURVEY
 SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 AREAS _____
 AREAS CHECKED _____



FILE NAME =
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USER NAME = midyja
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISIED -
 REVISIED -
 REVISIED -
 REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTION
 SHERMER RD**

SCALE: SHEET NO. OF SHEETS STA. 98+00.00 TO STA. 102+00.00

F.A.P. RTE. 339	SECTION 584 Y-N-1	COUNTY COOK	TOTAL SHEETS 61	SHEET NO. 61
CONTRACT NO. 60D25			ILLINOIS FED. AID PROJECT	