

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60J68		

D-91-258-10

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

F.A.U. 2919: COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET
SECTION: 2009-118 RS
RESURFACING (3P)
PROJECT: - -
COOK COUNTY
C-91-258-10

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED WITHIN THE CITY CHICAGO



LOCATION OF SECTION INDICATED THUS: - ■ -


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED FEBRUARY 16, 2010

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

March 19, 2010
Scott E. Stitt, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2010
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



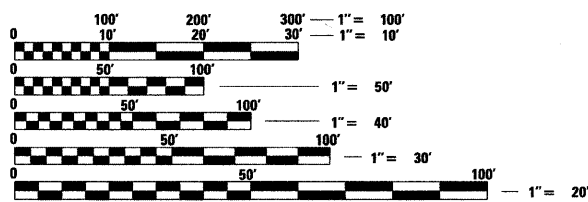
200 22ND Street, Suite 216, Lombard, IL 60148
630.705.0110 voice, 630.839.2566 fax
www.mps-il.com

MILLENNIA PROFESSIONAL SERVICES

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

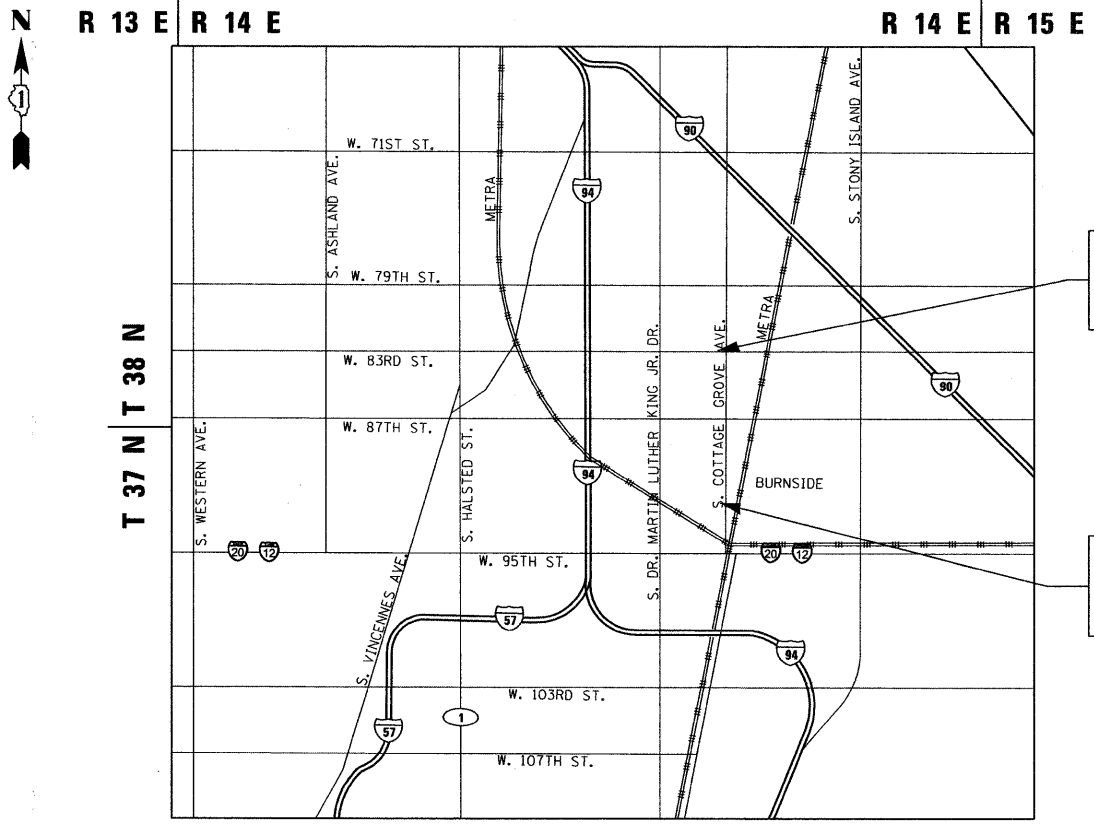
DISTRICT ONE - PLAN PREP ENGINEER: KEN ENG (847) 705-4247

TRAFFIC DATA
COTTAGE GROVE AVENUE
2007 ADT = 25,500
SPEED LIMIT = 30 MPH



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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 OR 811
C.U.A.N.
CHICAGO UTILITY ALERT NETWORK
1-312-744-7000



IMPROVEMENT ENDS
STA. 254 + 00.00


IMPROVEMENT BEGINS
STA. 193 + 00.00

SCALE: NTS
HYDE PARK TOWNSHIP

GROSS LENGTH OF PROJECT = 6100 FT = 1.16 MILES
NET LENGTH OF PROJECT = 6100 FT = 1.16 MILES

MILLENNIA PROFESSIONAL SERVICES
THOMAS V. NGO, P.E.
062-058379

Thomas V. Ngo
DATE: 02/15/10
SIGNATURE AND SEAL APPLIES TO DRWG.



CONTRACT NO. 60J68

INDEX OF SHEETS

- 1 COVER SHEET
- 2-3 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
- 4 SUMMARY OF QUANTITIES
- 5 TYPICAL SECTIONS
- 6-8 ROADWAY PLAN
- 9-11 PAVEMENT MARKING PLAN
- 12-14 LOOP DETECTORS PLAN
- 15 FRAMES AND LIDS ADJUSTMENT WITH MILLING; AND FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING (BD08)
- 16 CITY OF CHICAGO DRAINAGE DETAILS (BD09)
- 17 CITY OF CHICAGO PC CONC DRIVEWAY, ALLEY RETURN AND SIDEWALK (BD17)
- 18 PAVEMENT PATCHING FOR HMA SURFACE PAVEMENT (BD22)
- 19 CURB OR CURB AND GUTTER REMOVAL AND REPLACE (BD24)
- 20 BUTT JOINTS AND HMA TAPER (BD32)
- 21 CITY OF CHICAGO CATCH BASINS, INLET AND MANHOLE DETAILS (BD47)
- 22 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC10)
- 23 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC14) (TO REMAIN OPEN TO TRAFFIC) (TC14)
- 24 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
- 25 ARTERIAL ROAD INFORMATION SIGN (TC22)
- 26-27 CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC24)
- 28 STANDARD TRAFFIC SIGNAL DESIGN DETAILS (1 OF 6), (TS-05)
- 29 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACE (TS-07)

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 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
- 701601-06 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701602-04 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701606-06 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-06 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-04 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 814001-02 HANDHOLES

COMMITMENTS

NO COMMITMENTS FOR THIS PROJECT

P:\2009\ME09006_Ver-Ver-Ph\I\CADD\W011.CottageGr\Shets\02-0160J68-sh-CottageGr-GNOTE.dgn
 FILE NAME = P:\2009\ME09006_Ver-Ver-Ph\I\CADD\W011.CottageGr\Shets\02-0160J68-sh-CottageGr-GNOTE.dgn
 PLOT USER = MILLER, M
 USER NAME = MILLER, M



200 22ND Street, Suite 216, Lombard, IL 60148
 630.785.0110 voice, 630.839.2566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED -	CJD	REVISED -	
DRAWN -	CJD	REVISED -	
CHECKED -	RPD	REVISED -	
DATE -	2/15/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET

INDEX OF SHEETS, LIST OF IDOT
HIGHWAY STANDARD,
AND COMMITMENTS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	2
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J68	

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

P:\2009\ME09006_Ver-Ver-Ph\I\CADD\W011.CottageGr\Shets\02-0160J68-sh-CottageGr-GNOTE.dgn

GENERAL NOTES

- 1 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.
- 2 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, CITY OF CHICAGO.
- 3 THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 4 WHEN CONSTRUCTING SIDEWALK RAMPS FOR THE HANDICAPPED (STATE STANDARD 424001), USE TYPE B RAMPS UNLESS OTHERWISE SPECIFIED.
- 5 ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- 6 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.
- 7 BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- 8 ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 9 LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)), WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 10 DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 11 IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 12 FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- 13 SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5" LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- 14 THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847)705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 15 THE ENGINEER SHALL CONTACT PATRICE HARRIS AREA TRAFFIC FIELD TECHNICIAN, AT (708) 597-9800 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 16 WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED THEIR LOCATION.
- 17 THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

- 18 THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
- 19 THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
- 20 EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 21 DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 22 PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.
- 23 WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- 24 BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- 25 OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

GENERAL NOTES (CITY OF CHICAGO)

- 1 BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT (312)744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
- 2 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.
- 3 ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS' STANDARDS.
- 4 SEWER SIZES 21" DIAMETER OR SMALLER MUST BE EXTRA-STRENGTH VITRIFIED CLAY PIPE C-700 WITH C-425 JOINTS, OR DUCTILE IRON PIPE WITH PUSH-ON OR MECHANICAL JOINTS. SEWER SIZES 24" DIAMETER OR LARGER MUST BE REINFORCED CONCRETE PIPE TYPE C-76, CLASS III, WALL "B" WITH "O-RING" JOINTS.
- 5 PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR RESURFACING WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS' PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION.
- 6 THE LICENSED SEWER CONTRACTOR/SUB-CONTRACTOR MUST SUBMIT TWO (2) SETS OF PLANS APPROVED BY THE DEPARTMENT OF SEWERS FOR THE ISSUE OF THE SEWER PERMIT IN SUITE 410 - 333 SOUTH STATE STREET, CHICAGO, IL 60604. INSPECTION WILL BE PROVIDED BY THE DEPARTMENT OF SEWERS.
- 7 IF THE SEWER PIPE COVER IS REDUCED TO LESS THAN THREE (3) FEET, CONCRETE ENCASEMENT OF THE SEWER OR REPLACEMENT OF THESE SEWERS WITH CLASS 52 DUCTILE IRON PIPE WILL BE REQUIRED.
- 8 PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH BASINS.
- 9 BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE IMPROVEMENT CAN BE OBTAINED IN SUITE 410 - 333 SOUTH STATE STREET, CHICAGO, IL 60604. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPLACEMENT OF ANY BENCH MONUMENT IF DAMAGED OR DESTROYED DURING CONSTRUCTION.
- 10 SIDEWALK HANDICAPPED RAMPS SHALL NOT BE CONSTRUCTED DIRECTLY OVER EXISTING OR PROPOSED DRAINAGE STRUCTURES.
- 11 ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND LIDS ON SEWER STRUCTURES, SHALL BE REPLACED WITH NEW DEPARTMENT OF SEWERS' STANDARD FRAMES AND LIDS.
- 12 OPEN LID DRAINAGE STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION OF THIS ROADWAY WITHOUT THE WRITTEN PERMISSION FROM THE CITY OF CHICAGO.
- 13 CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY OF CHICAGO AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 14 THE CONTRACTOR SHALL CONTACT JOHN BILLS - OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATIONS AT 312-743-1410, 7 WORKING DAYS PRIOR TO START OF WORK TO COORDINATE THE REPLACEMENT OF DETECTOR LOOPS FOR RED LIGHT ENFORCEMENT LOCATIONS. THE REPLACEMENT OF THE RED LIGHT DETECTOR LOOPS WILL BE DONE BY THE CITY.
- 15 THE CONTRACTOR SHALL CONTACT ROBERT NELSON - CITY OF CHICAGO BUREAU OF ELECTRICITY TRAFFIC SIGNAL MAINTENANCE SUPERVISOR AT (312)746-4525 SEVEN (7) WORKING DAYS PRIOR TO THE START OF PATCHING AND MILLING TO COORDINATE THE REPLACEMENT OF THE SIGNAL DETECTOR LOOPS.

P:\2009\ME09006_Ver-Vor-PhI\CADD\W01\CottageGr-VShs\83-D168J68-shr-CottageGr-GNOTE2.dgn
 FILE NAME : P:\2009\ME09006_Ver-Vor-PhI\CADD\W01\CottageGr-VShs\83-D168J68-shr-CottageGr-GNOTE2.dgn
 USER NAME : Millennium Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
 630.795.8110 voice, 630.839.2566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED -	CJD	REVISED -	
DRAWN -	CJD	REVISED -	
CHECKED -	RPD	REVISED -	
DATE -	2/15/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET

GENERAL NOTES

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	3
CONTRACT NO. 60J68				

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY		CONSTRUCTION TYPE CODE
			100% STATE	1000 QUANTITY	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	110	110	
25200110	SODDING, SALT TOLERANT	SO YD	110	110	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	180	180	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	21	21	
40600300	AGGREGATE (PRIME COAT)	TON	104	104	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	78	78	
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2110	2110	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL-BUTT JOINT	SO YD	478	478	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	591	591	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	21	21	
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	5194	5194	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	5	5	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	180	180	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	500	500	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	51630	51630	
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	1366	1366	
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	180	180	
44000600	SIDEWALK REMOVAL	SO FT	500	500	
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	610	610	
44002213	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/4"	SO YD	3250	3250	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	1520	1520	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	350	350	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	1190	1190	
55039700	STORM SEWERS TO BE CLEANED	FOOT	402	402	
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	11	11	
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	5	5	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	7	7	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	7	7	

* SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY		CONSTRUCTION TYPE CODE
			100% STATE	1000 QUANTITY	
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	66	66	
60404940	FRAMES AND GRATES, TYPE 23	EACH	5	5	
60404950	FRAMES AND GRATES, TYPE 24	EACH	5	5	
60406520	FRAMES AND LIDS, OPEN LID (CITY OF CHICAGO)	EACH	15	15	
60406530	FRAMES AND LIDS, CLOSED LID (CITY OF CHICAGO)	EACH	15	15	
40600990	TEMPORARY RAMP	SO YD	150	150	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	4290	4290	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1630	1630	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	50145	50145	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	13100	13100	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	6025	6025	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1350	1350	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	715	715	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	815	815	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	23830	23830	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6550	6550	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3015	3015	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	675	675	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	791	791	
X0322256	TEMPORARY INFORMATION SIGNING	SO FT	52	52	
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	133	133	

P:\2009\ME09086-Var-Vor-Phit\CADD\W01_CottageGr-A\Shets\04-D168J68-ant-CottageGr-SDD.dgn
 FILE NAME =
 USER NAME =
 MILLER Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
 630.785.0110 voice, 630.839.2566 fax
 WWW.MPS-IL.COM

MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CJD
 DRAWN - CJD
 CHECKED - RPD
 DATE - 2/15/2010

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

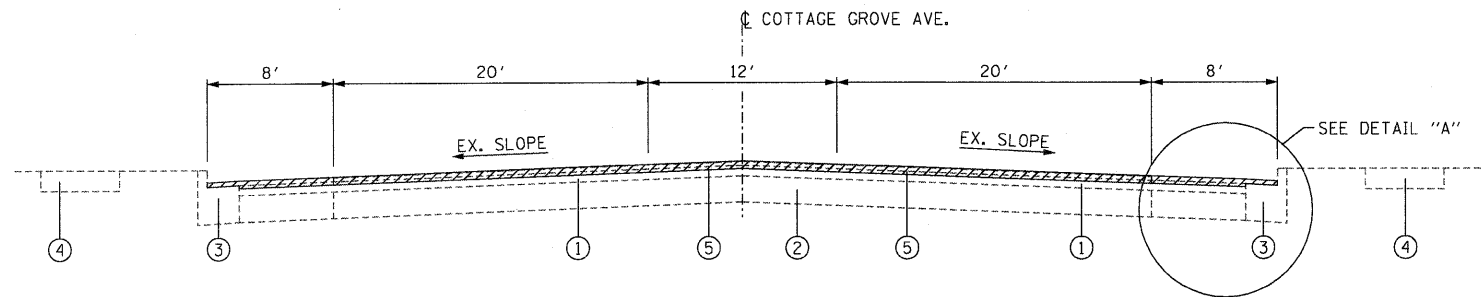
**COTTAGE GROVE AVENUE
 83RD STREET TO 92ND STREET**

SUMMARY OF QUANTITIES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J68	

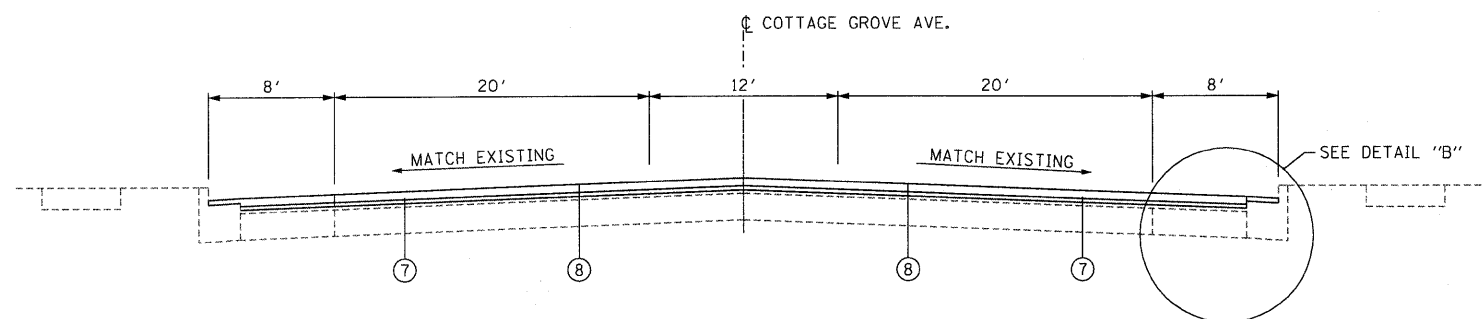
SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.

P:\2009\ME09086-Var-Vor-Phit\CADD\W01_CottageGr-A\Shets\04-D168J68-ant-CottageGr-SDD.dgn



EXISTING TYPICAL SECTION

COTTAGE GROVE AVE.
STA 193+00 TO STA. 254+00



PROPOSED TYPICAL SECTION

COTTAGE GROVE AVE.
STA 193+00 TO STA. 254+00

LEGEND

- ① EXISTING HMA SURFACE, 3 1/4" +/-
- ② EXISTING +/-9" P.C.C BASE
- ③ EXISTING B-6.12 CURB & GUTTER
- ④ EXISTING P.C.C. SIDEWALK
- ⑤ PROPOSED HMA SURFACE REMOVAL, 2 1/2" (SEE NOTE 1)
- ⑥ PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH)
- ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, (3/4")
- ⑧ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX. F, N90 (IL-9.5 MM), 1 3/4"

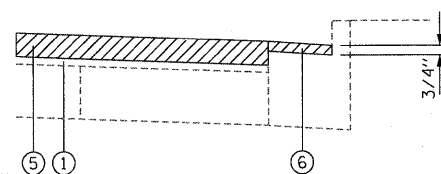
NOTES

1. THE CONTRACTOR SHALL PERFORM THE PAVEMENT PATCHING OPERATIONS PRIOR TO THE HMA SURFACE REMOVAL OPERATION. SEE IDOT DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22) FOR ADDITIONAL INFORMATION.

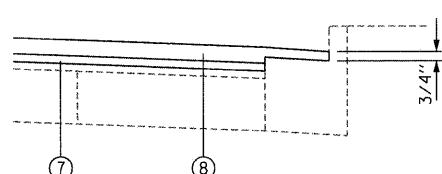
HOT MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19MM)	4% @ 70 GYR.
DRIVEWAY	
HMA SURFACE COURSE, MIX C, N50 (IL 9.5 MM); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19MM); PE -6", CE -8"	4% @ 50 GYR.

MIXTURE NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/50 YD/IN
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG70-22" 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.



DETAIL "A"



DETAIL "B"

FILE NAME = P:\2009\ME09006_Ver-Yer-Ph\1\CADD\W01\CottageGr\Shets\05-D168168-shi-CottageGr-TYP.dgn
 PLOT SCALE = 6.0000 / IN.
 USER NAME = Millennia Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
630.785.0110 voice, 630.839.2566 fax
WWW.MPS-IL.COM

MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CJD	REVISED -
DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE - 2/15/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET**

TYPICAL SECTIONS

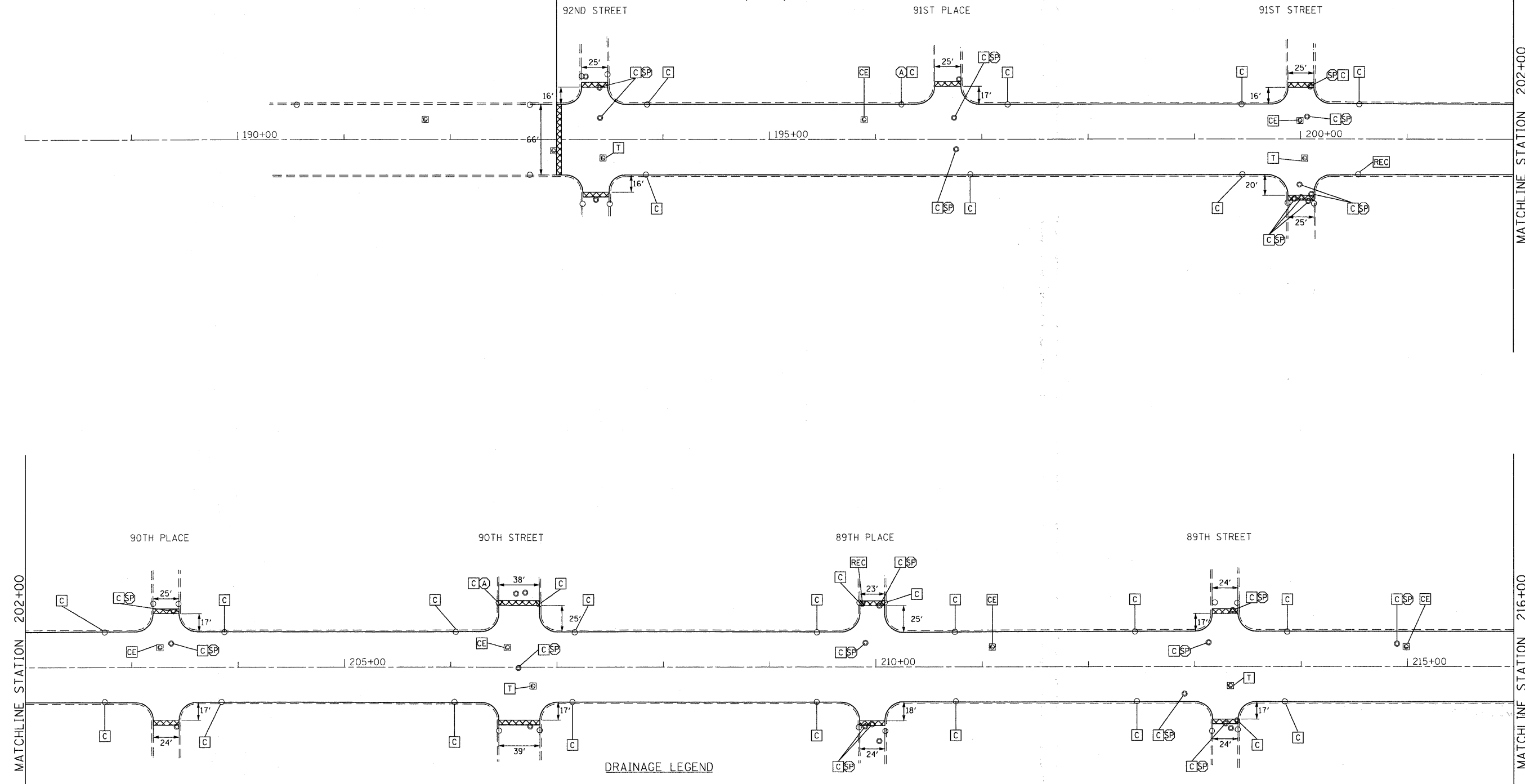
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	5
CONTRACT NO.			60J68	

TYP-01

IMPROVEMENT BEGINS
STA. 193+00

HMA SURFACE REMOVAL -2 1/2"
RESURFACE WITH:
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"
92ND STREET



ROADWAY LEGEND
 PROPOSED HMA SURFACE REMOVAL BUTT JOINT
 SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

- DRAINAGE LEGEND**
- (A) FRAMES AND LIDS TO BE ADJUSTED
 - (A) FRAMES AND GRATES TO BE ADJUSTED
 - (C) STRUCTURE TO BE CLEANED
 - (SP) FRAMES AND LIDS TO BE ADJUSTED SPECIAL
 - (REC) STRUCTURE TO BE RECONSTRUCTED
 - (T) TELEPHONE-TO BE ADJUSTED BY OTHERS
 - (CE) COM ED-TO BE ADJUSTED BY OTHERS
 - (G) GAS TO BE ADJUSTED BY OTHERS

- NOTES**
- REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33)
(HMA TAPER AT EDGE OF PCC PAVEMENT).
 - REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
 - REBUILD EXISTING HANDHOLE.

FILE NAME = P:\2009\MEP\906_Ver-Var-Philly\CADD\W011.CottageGr\Shis\DI60168-sht-pln-01.dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = Millennium Professional Services

200 22ND Street, Suite 216, Lombard, IL 60148
 630.785.8119 voice, 630.839.1566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED	- CJD	REVISED	-
DRAWN	- CJD	REVISED	-
CHECKED	- RPD	REVISED	-
DATE	- 2/15/2010	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

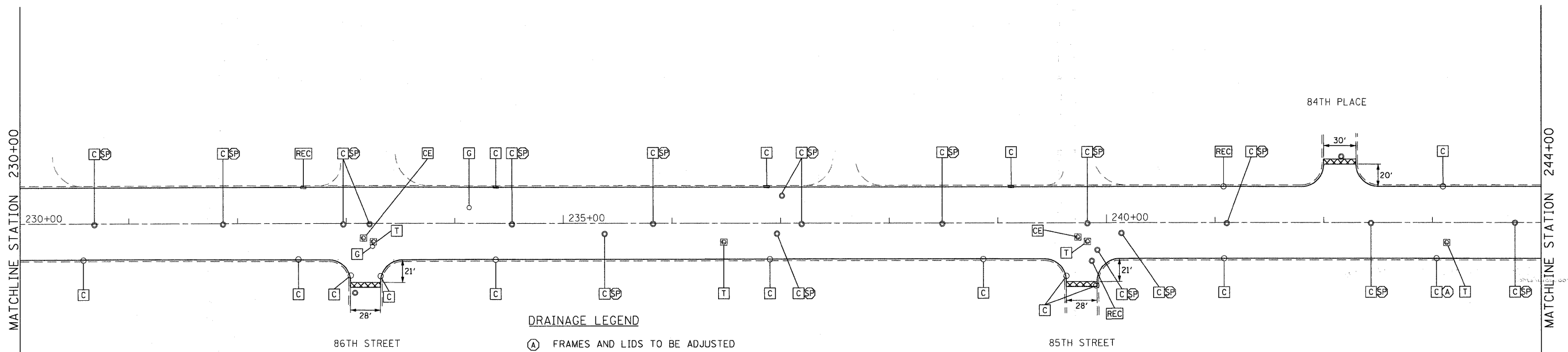
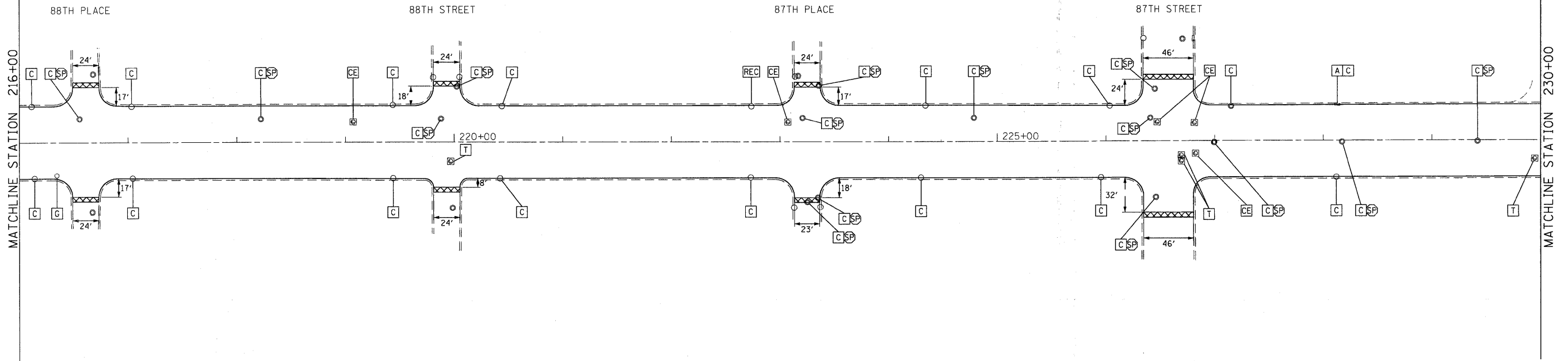
COTTAGE GROVE AVENUE 83RD STREET TO 92ND STREET		ROADWAY PLAN	
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 193+00 TO STA. 216+00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J68	


PLN-01

P:\2009\MEP\906_Ver-Var-Philly\CADD\W011.CottageGr\Shis\DI60168-sht-pln-01.dgn

HMA SURFACE REMOVAL -2 1/2"
RESURFACE WITH:
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"



ROADWAY LEGEND

 PROPOSED HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

DRAINAGE LEGEND

- (A) FRAMES AND LIDS TO BE ADJUSTED
- (A) FRAMES AND GRATES TO BE ADJUSTED
- (C) STRUCTURE TO BE CLEANED
- (SP) FRAMES AND LIDS TO BE ADJUSTED SPECIAL
- (REC) STRUCTURE TO BE RECONSTRUCTED
- (T) TELEPHONE-TO BE ADJUSTED BY OTHERS
- (CE) COM ED-TO BE ADJUSTED BY OTHERS
- (G) GAS TO BE ADJUSTED BY OTHERS

NOTES

1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33)
(HMA TAPER AT EDGE OF PCC PAVEMENT).
2. REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
3. REBUILD EXISTING HANDHOLE.

FILE NAME : F:\2009\ME09006\Var\PH\CADD\W011.CottageGr\Shs\0168\68-shr-pln-02.dgn
 PLOT SCALE = 50.0000' / IN.
 USER NAME = Millennium Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
630.785.0110 voice, 630.839.2566 fax
WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CJD	REVISED -
DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE - 2/15/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET**

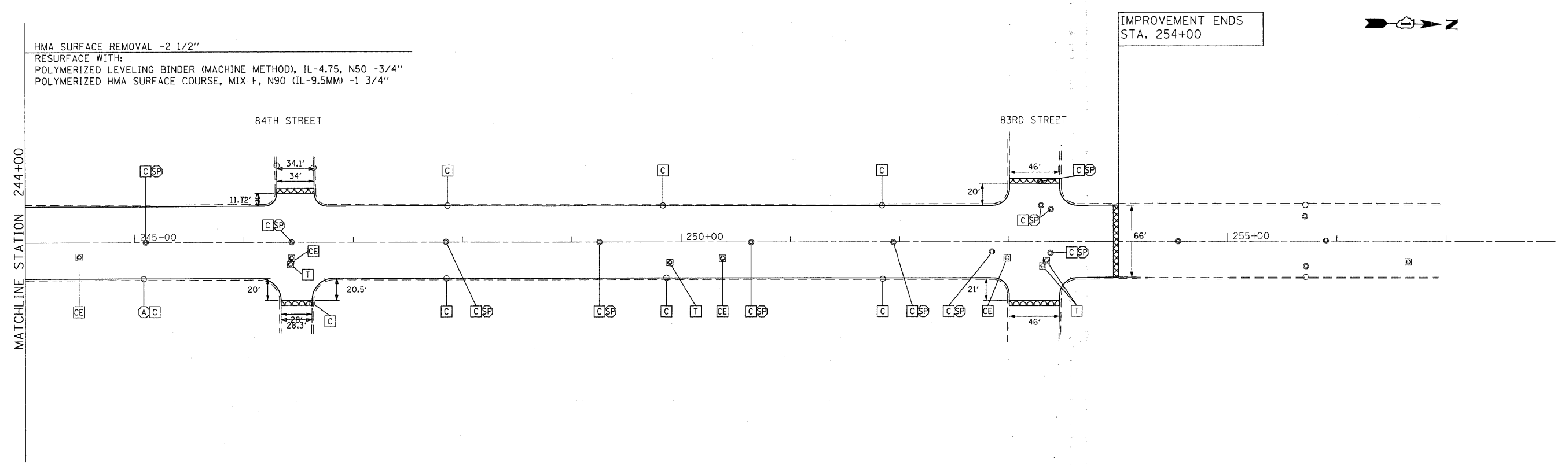
ROADWAY PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 216+00 TO STA. 244+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J68	

PLN-02


F:\2009\ME09006\Var\PH\CADD\W011.CottageGr\Shs\0168\68-shr-pln-02.dgn



HMA SURFACE REMOVAL -2 1/2"
 RESURFACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"

IMPROVEMENT ENDS
 STA. 254+00

ROADWAY LEGEND

 PROPOSED HMA SURFACE REMOVAL BUTT JOINT
 SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

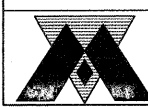
DRAINAGE LEGEND

- (A) FRAMES AND LIDS TO BE ADJUSTED
- [A] FRAMES AND GRATES TO BE ADJUSTED
- [C] STRUCTURE TO BE CLEANED
- [SP] FRAMES AND LIDS TO BE ADJUSTED SPECIAL
- [REC] STRUCTURE TO BE RECONSTRUCTED
- [T] TELEPHONE-TO BE ADJUSTED BY OTHERS
- [CE] COM ED-TO BE ADJUSTED BY OTHERS
- [G] GAS TO BE ADJUSTED BY OTHERS

NOTES

1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33)
 (HMA TAPER AT EDGE OF PCC PAVEMENT).
2. REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
3. REBUILD EXISTING HANDHOLE.

FILE NAME = P:\2009\MEP\9086_Ver-Var-Phit\CADD\W011.CottageGr\Shets\0160168-ght-pln-03.dgn
 PLOT SCALE = 50.00000 / IN.
 USER NAME = Millennia Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
 630.785.0110 voice, 630.839.2566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CJD	REVISED -
DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE - 2/15/2010	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

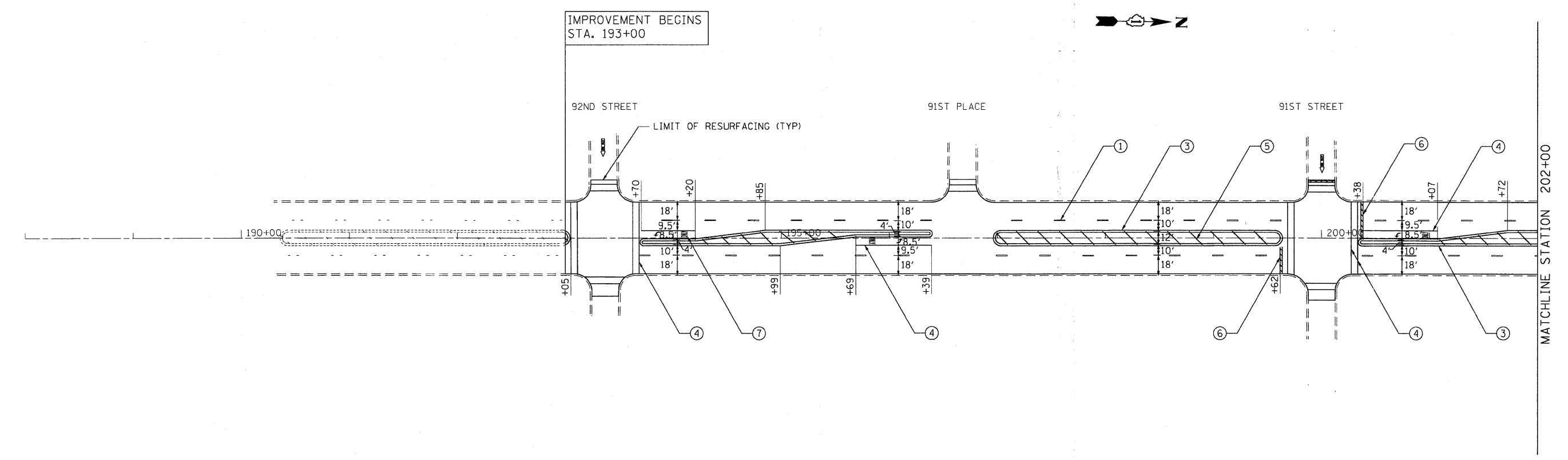
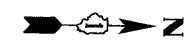
**COTTAGE GROVE AVENUE
 83RD STREET TO 92ND STREET**

ROADWAY PLAN

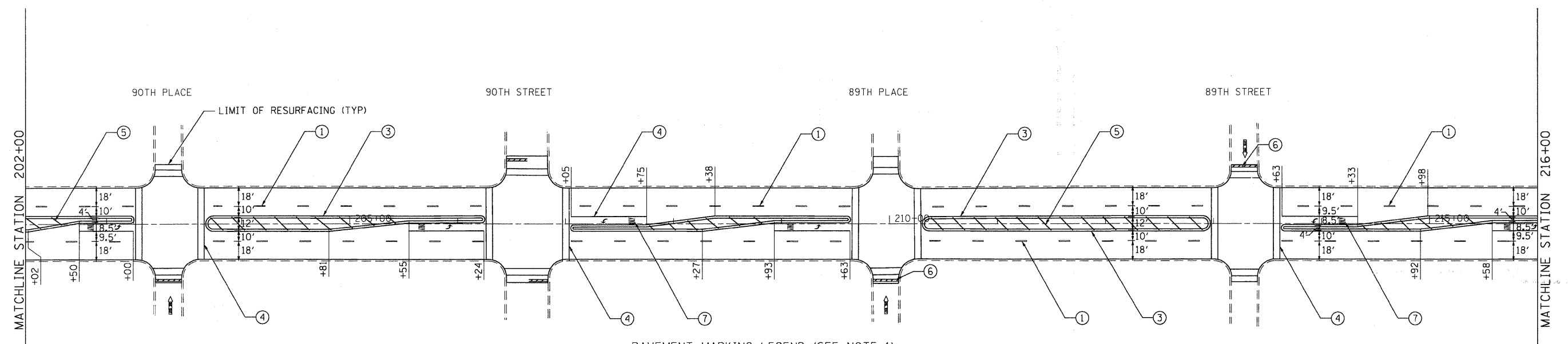
F.A.U. RTE. 2919	SECTION 2009-118 RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 8
CONTRACT NO. 60J68			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

PLN-03

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 244+00 TO STA. 254+00



NOTES:
 1. REFER TO CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC-24) FOR ADDITIONAL INFORMATION.



- PAVEMENT MARKING LEGEND (SEE NOTE 1)
- ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE
 - ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE
 - ③ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE
 - ④ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE
 - ⑤ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE
 - ⑥ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR
 - ⑦ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP)

FILE NAME = P:\2009\ME09006_Var\Var_Plan\CADD\W011\CottageGr\Shets\160J68-sh1-pmk-01.dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = Millennia Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
 630.705.0110 voice, 630.839.1566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CJD	REVISED -
DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE - 2/15/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

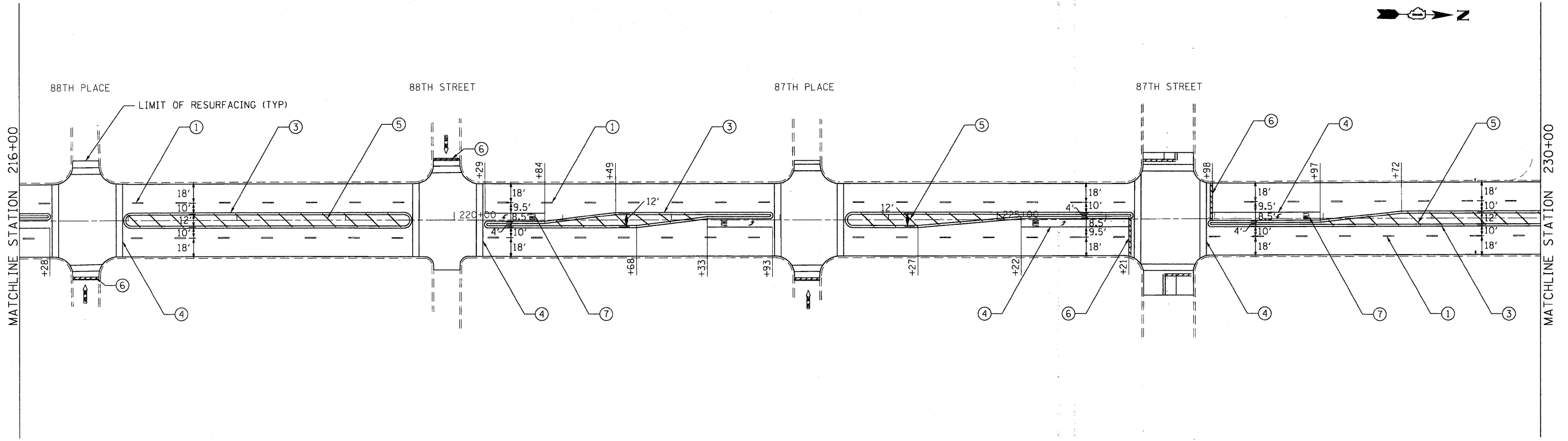
COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET

PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 193+00 TO STA. 216+00

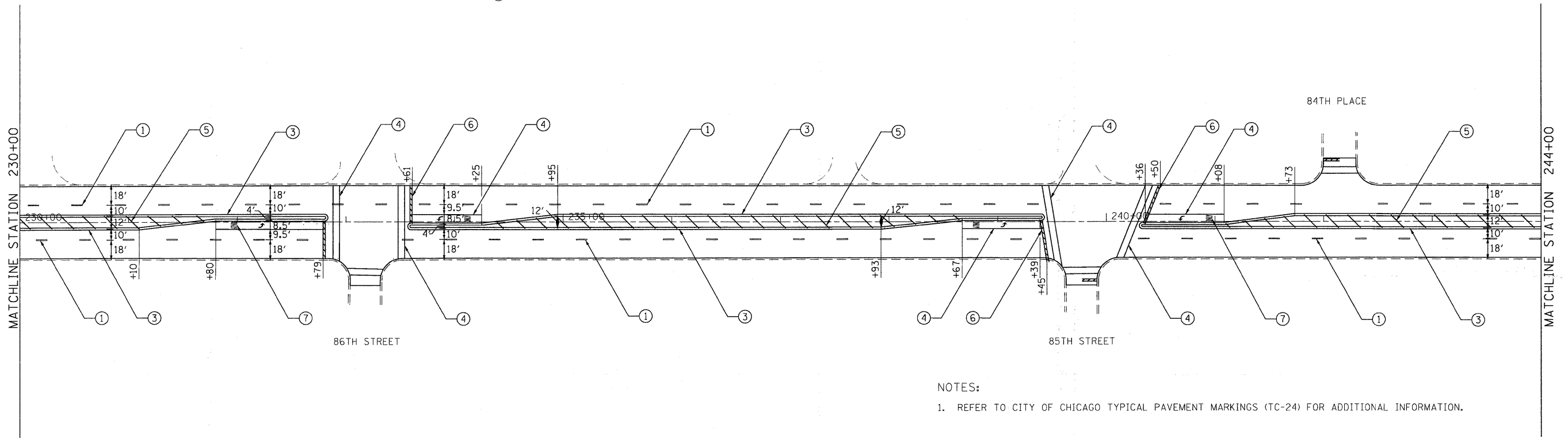
F.A.U. RTE. 2919	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2009-118 RS	COOK	29	9
CONTRACT NO. 60J68			PMK-01	

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
 P:\2009\ME09006_Var\Var_Plan\CADD\W011\CottageGr\Shets\160J68-sh1-pmk-01.dgn



PAVEMENT MARKING LEGEND (SEE NOTE 1)

- ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE
- ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE
- ③ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE
- ④ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE
- ⑥ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR
- ⑦ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP)



NOTES:

1. REFER TO CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC-24) FOR ADDITIONAL INFORMATION.

FILE NAME = P:\2009\ME09006.Var\Var_Plan\CADD\W011.CottageGr\Shets\DI60J68-shr-pmk-02.dgn
 PLOT SCALE = 50.0000' / 1" IN.
 USER NAME = Millennium Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
 630.705.0110 voice, 630.839.1566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CJD	REVISED -
DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE - 2/15/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET

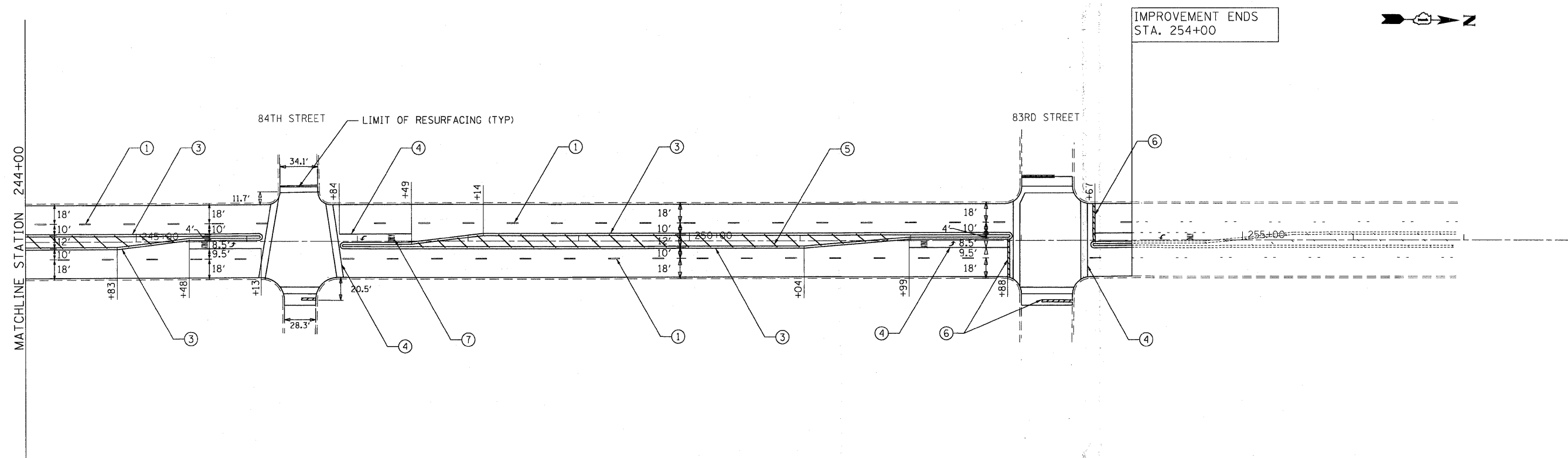
PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 216+00 TO STA. 244+00

F.A.U. RTE. 2919	SECTION 2009-118 RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J68	

PMK-02

P:\2009\ME09006.Var\Var_Plan\CADD\W011.CottageGr\Shets\DI60J68-shr-pmk-02.dgn



NOTES:

- REFER TO CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS (TC-24) FOR ADDITIONAL INFORMATION.

PAVEMENT MARKING LEGEND (SEE NOTE 1)

- ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE
- ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE
- ③ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE
- ④ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE
- ⑥ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR
- ⑦ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP)

FILE NAME: P:\2009\ME09006_Ver\PH\CADD\W011.CottageGr\Shra\DI60J68-ah-pmk-03.dgn
 PLOT SCALE: 1"=50'
 USER NAME: Millennium Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
 630.705.0110 voice, 630.839.1566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED	CJD	REVISED	-
DRAWN	CJD	REVISED	-
CHECKED	RPD	REVISED	-
DATE	2/15/2010	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET

PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 244+00 TO STA. 254+00

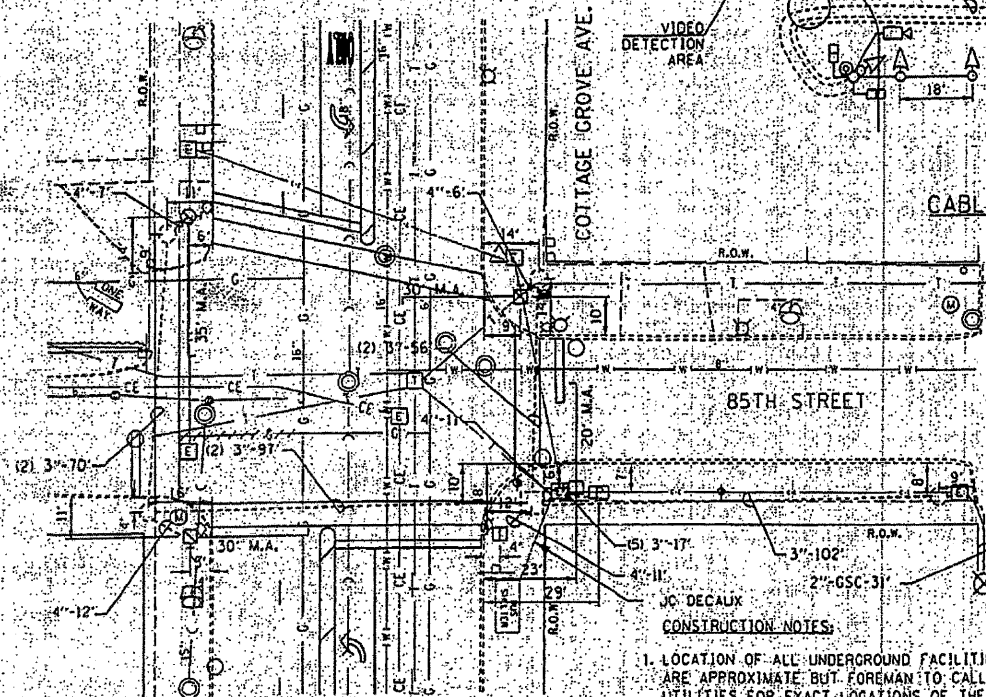
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	11
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J68	

PMK-03

P:\2009\ME09006_Ver\PH\CADD\W011.CottageGr\Shra\DI60J68-ah-pmk-03.dgn

GENERAL NOTES:

1. PVC CONDUITS INSTALLED ARE SCHEDULE 40 IN TRENCH SIZE AS NOTED. EXCEPT ALL CONDUITS BELOW ROADWAYS OR DRIVEWAYS MUST BE SCHEDULE 80. SIZE AS NOTED.
2. SEE DRAWING NO. 826 FOR CODE.
3. SEE STANDARD DETAIL DRAWINGS FOR MOUNTING DETAILS.
4. ALL SIGNAL SECTIONS TO BE STANDARD 12" SIZE I.E.D. TYPE.
5. ALL VEHICULAR SIGNALS TO BE 3 SECTION UNITS.
6. ALL PEDESTRIAN SIGNALS TO BE 16-INCH ADJUSTABLE T SECTION UNITS WITH T.I.E. SPECIFICATION (HAND-MAN) SYMBOLIC LENSES AND COUNTDOWN TIMERS.
7. PEDESTRIAN SIGNALS TO BE INSTALLED BELOW VEHICULAR SIGNALS WHERE APPLICABLE.
8. ALL MAST ARMS TO BE STEEL MONOTUBE TYPE. SIZE AS INDICATED ON THE PLANS.
9. CONTRACTOR SHALL PROVIDE NEW ELECTRIC CABLES FOR ALL THE EXISTING BUS SHELTER LIGHTING AND ROUTE THEM THROUGH THE NEW HANDHOLES/MANHOLES TO THE POWER SOURCE.



FOUNDATION AND CONDUIT PLAN
SCALE 1"=20'

- CONSTRUCTION NOTES:**
1. LOCATION OF ALL UNDERGROUND FACILITIES SHOWN ARE APPROXIMATE BUT FOREMAN TO CALL ALL UTILITIES FOR EXACT LOCATIONS OF THEIR UNDERGROUND FACILITIES BEFORE STARTING ANY EXCAVATION.
 2. ALL FOUNDATIONS IN CONCRETE SIDEWALK TO BE PER DRAWING NUMBER 826.

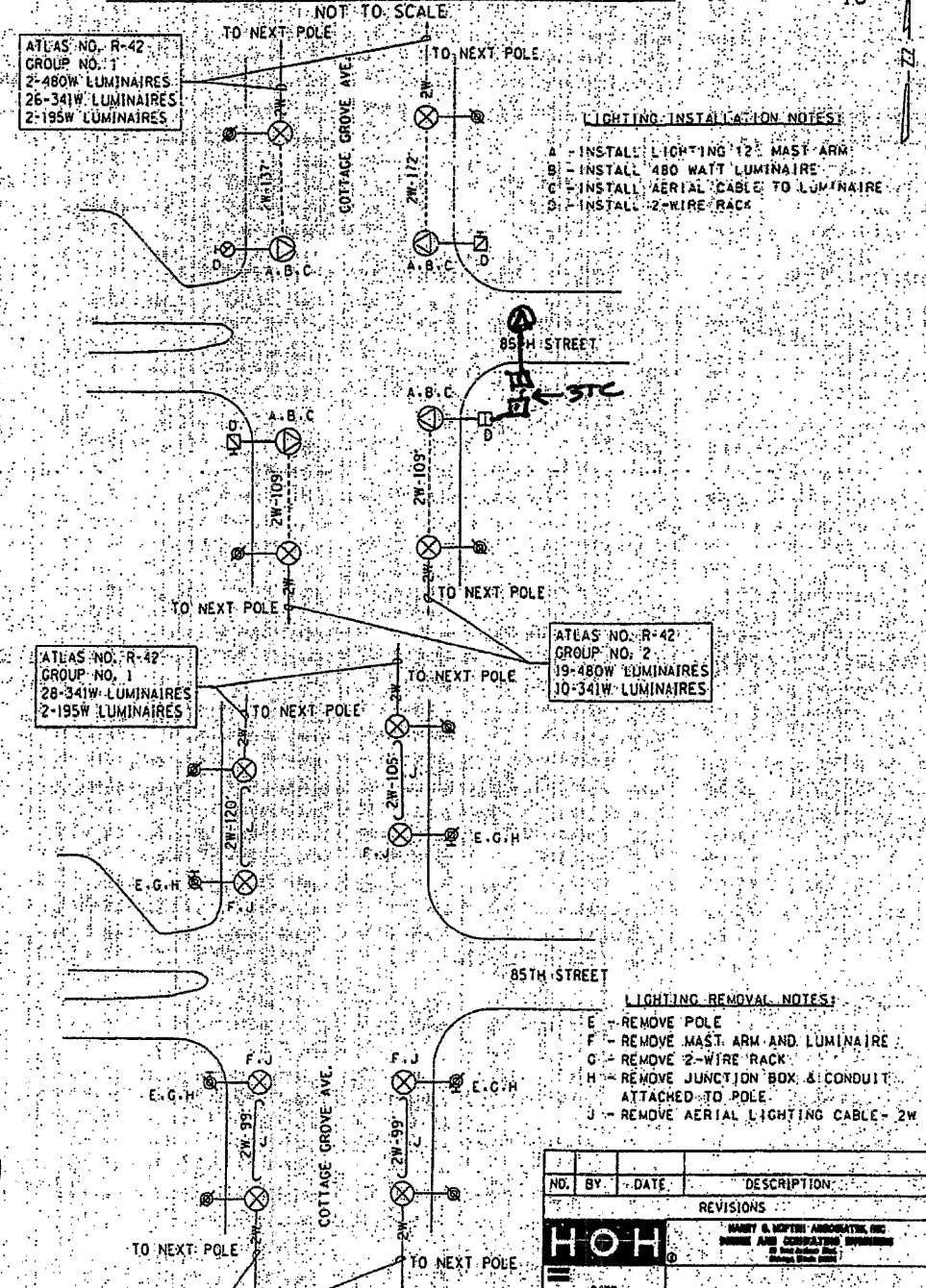
THIS PLAN IS FOR INFORMATION AND IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY.

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	0	FOOT	DETECTOR LOOP REPLACEMENT

NO.	BY	DATE	DESCRIPTION
REVISIONS			
HOH			
TRAFFIC CONTROL SIGNALS COTTAGE GROVE AVENUE AT 85TH STREET			
CITY OF CHICAGO DEPARTMENT OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAWN:	BB, MAE, KGP	SHEET NO.	
CHECKED:	PKG	14820	
APPROVED:	PKG		
DATE:	3/13/06		
SCALE:	AS NOTED		
CONTRACT NO.		PROJECT NO.	B-4-106

STREET LIGHTING INSTALLATION PLAN



- LIGHTING INSTALLATION NOTES:**
- A - INSTALL LIGHTING 12' MAST ARM
 - B - INSTALL 480 WATT LUMINAIRE
 - C - INSTALL AERIAL CABLE TO LUMINAIRE
 - D - INSTALL 2-WIRE RACK

- LIGHTING REMOVAL NOTES:**
- E - REMOVE POLE
 - F - REMOVE MAST ARM AND LUMINAIRE
 - G - REMOVE 2-WIRE RACK
 - H - REMOVE JUNCTION BOX & CONDUIT ATTACHED TO POLE
 - J - REMOVE AERIAL LIGHTING CABLE - 2W

NO.	BY	DATE	DESCRIPTION
REVISIONS			
HOH			
TRAFFIC CONTROL SIGNALS COTTAGE GROVE AVENUE AT 85TH STREET			
CITY OF CHICAGO DEPARTMENT OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
DRAWN:	BB, MAE, KGP	SHEET NO.	
CHECKED:	PKG	14820	
APPROVED:	PKG		
DATE:	3/13/06		
SCALE:	AS NOTED		
CONTRACT NO.		PROJECT NO.	B-4-106

STREET LIGHTING REMOVAL PLAN

NOT TO SCALE

P:\3099\ME\80606_Ver-Vor-Phil\CADD\W01_CottageGr-Vshts\0168-08-Border-CottageGr.dgn
 FILE NAME: P:\3099\ME\80606_Ver-Vor-Phil\CADD\W01_CottageGr-Vshts\0168-08-Border-CottageGr.dgn
 PLOT SCALE: 2.0000
 USER NAME: Millennium Professional Services

MILLENNIA PROFESSIONAL SERVICES
 300 22ND Street, Suite 216, Lombard, IL 60148
 630.785.0110 voice, 630.839.2566 fax
 WWW.MPS-IL.COM

DESIGNED - CJD	REVISED -
DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE -	REVISED -

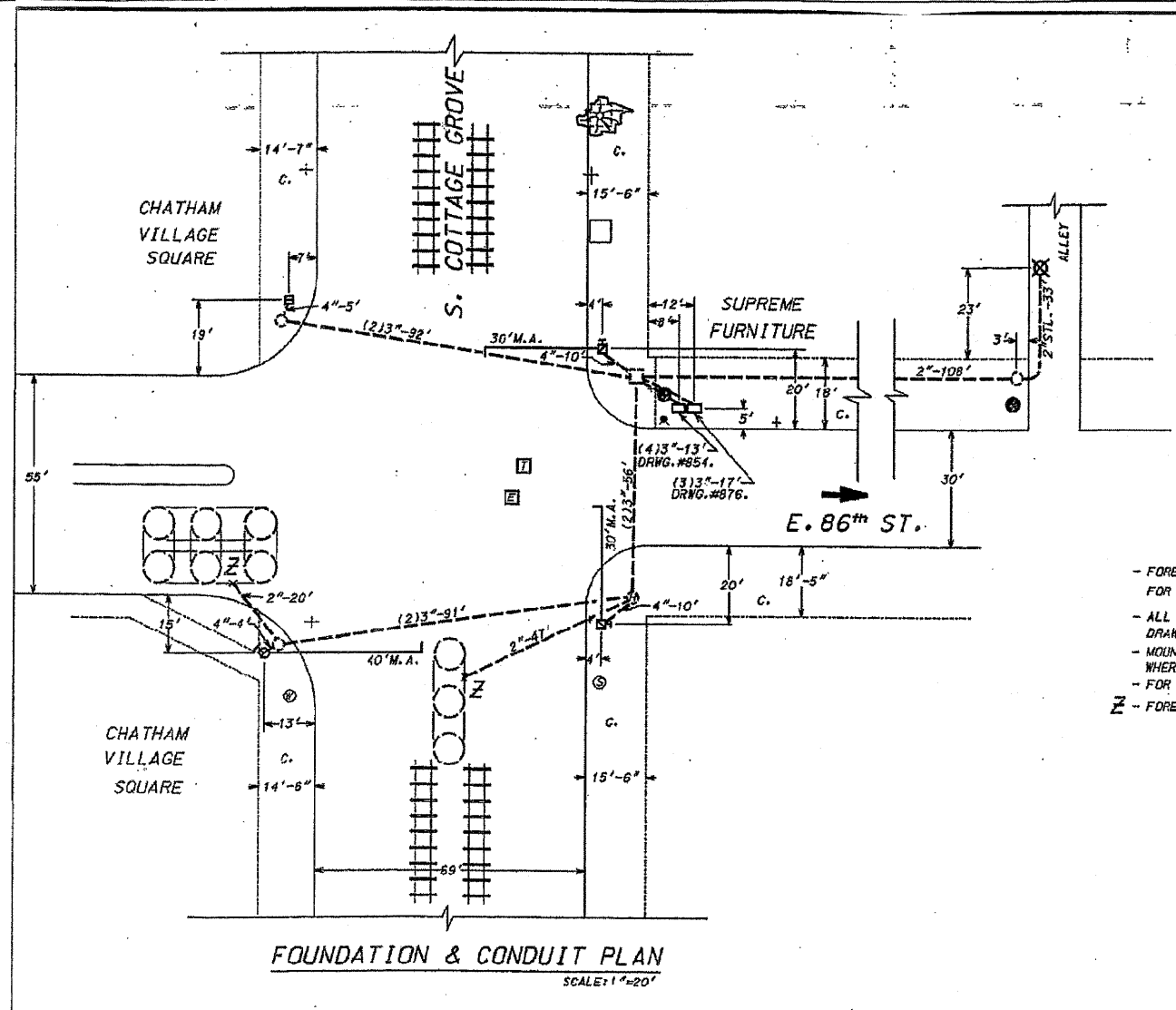
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET**

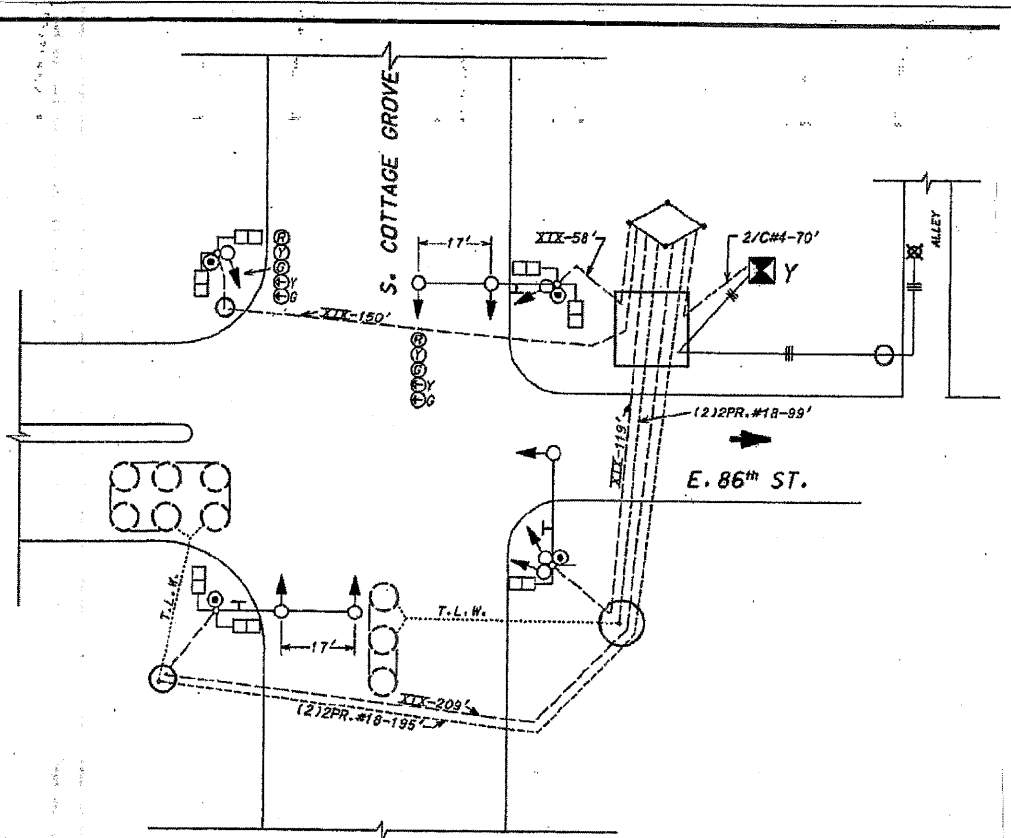
**DETECTOR LOOP REPLACEMENT PLANS
COTTAGE GROVE AVE AT 85TH STREET**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	12
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60J68	

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



FOUNDATION & CONDUIT PLAN
SCALE: 1"=20'



CABLE & SIGNAL PLAN
NOT TO SCALE

- FOREMAN TO CONTACT ALL UTILITIES PRIOR TO EXCAVATION FOR EXACT LOCATION OF THEIR UNDERGROUND FACILITIES.
- ALL FOUNDATIONS IN SIDEWALK TO BE INSTALLED AS PER DRAWING #828 & #837.
- MOUNT ALL PEDESTRIAN SIGNALS BELOW TRAFFIC SIGNALS WHERE APPLICABLE.
- FOR CODE SEE DRAWING #826.
- Z - FOREMAN TO CHISEL MARK FOR EXACT LOCATION OF CONDUIT END.

- * - DENOTES SPLICE #18 CABLE TO TWISTED LOOP WIRE.
- + - DENOTES D3-2 STREET NAME SIGN, 5' OFF CENTER OF POLE.
- ⊙ - DENOTES INSTALL PEDESTRIAN PUSH-BUTTON.
- Y - INSTALL 70AMP. CIRCUIT BREAKER.

NOTE:
OPERATIONS SUCH AS PAVEMENT GRINDING OR PATCHING WHICH RESULT IN THE DESTRUCTION OF TRAFFIC SIGNAL DETECTION REQUIRE A NOTIFICATION OF INTENT TO WORK AND AN INSPECTION. A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO THE DETECTION REMOVAL, THE CONTRACTOR SHALL NOTIFY ROBERT NELSON, CITY OF CHICAGO BUREAU OF ELECTRICITY TRAFFIC SIGNAL MAINTENANCE SUPERVISOR AT (312)746-4525 AT WHICH TIME ARRANGEMENTS WILL BE MADE TO ADJUST THE TRAFFIC CONTROLLER TIMING TO COMPENSATE FOR THE ABSENCE OF DETECTION. FINAL LOCATIONS OF THE DETECTOR LOOP REPLACEMENT WILL BE APPROVED BY THE CITY OF CHICAGO AND ENGINEER.

THIS PLAN IS FOR INFORMATION AND IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY.

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	323	FOOT	DETECTOR LOOP REPLACEMENT

DATE	REVISION	
WORK ORDER NO. 1213043 DATE 7-10-02		
COST ALLOCATION ACCOUNT		
APPROPRIATION ACCOUNT (MATERIAL / LABOR)		
TRAFFIC CONTROL SIGNALS S. COTTAGE GROVE & E. 86 th ST.		
CITY OF CHICAGO DEPT. OF STREET AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING		
DRAWN BY: ARMANDO VIVANCO	CHIEF DRAFTSMAN: ROBERTO CARTER	ENGINEER: ARMANDO VIVALDI
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.:	DWG. NO.
ENGINEER - DEPT. OF ELECTRICITY:	GEN'L. SUPT. OF ELECTRICITY:	2381
DEPUTY COMMISSIONER:		
SIZE: 22" x 36"	SCALE: AS NOTED	DATE: 7-10-

FILE NAME: P:\2009\ME090808_Ver-Vor-Phil\CADD\W011_CottageGr-Ave-Shts\DI60J68-Border-CottageGr.dgn
 PLOT SCALE: 1"=20' / IN.
 USER NAME: Millennia Professional Services

MILLENNIA PROFESSIONAL SERVICES
 200 22ND Street, Suite 216, Lombard, IL 60148
 630.785.0110 voice, 630.839.2566 fax
 WWW.MPS-IL.COM

DESIGNED - CJD	REVISED -
DRAWN - CJD	REVISED -
CHECKED - RPD	REVISED -
DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

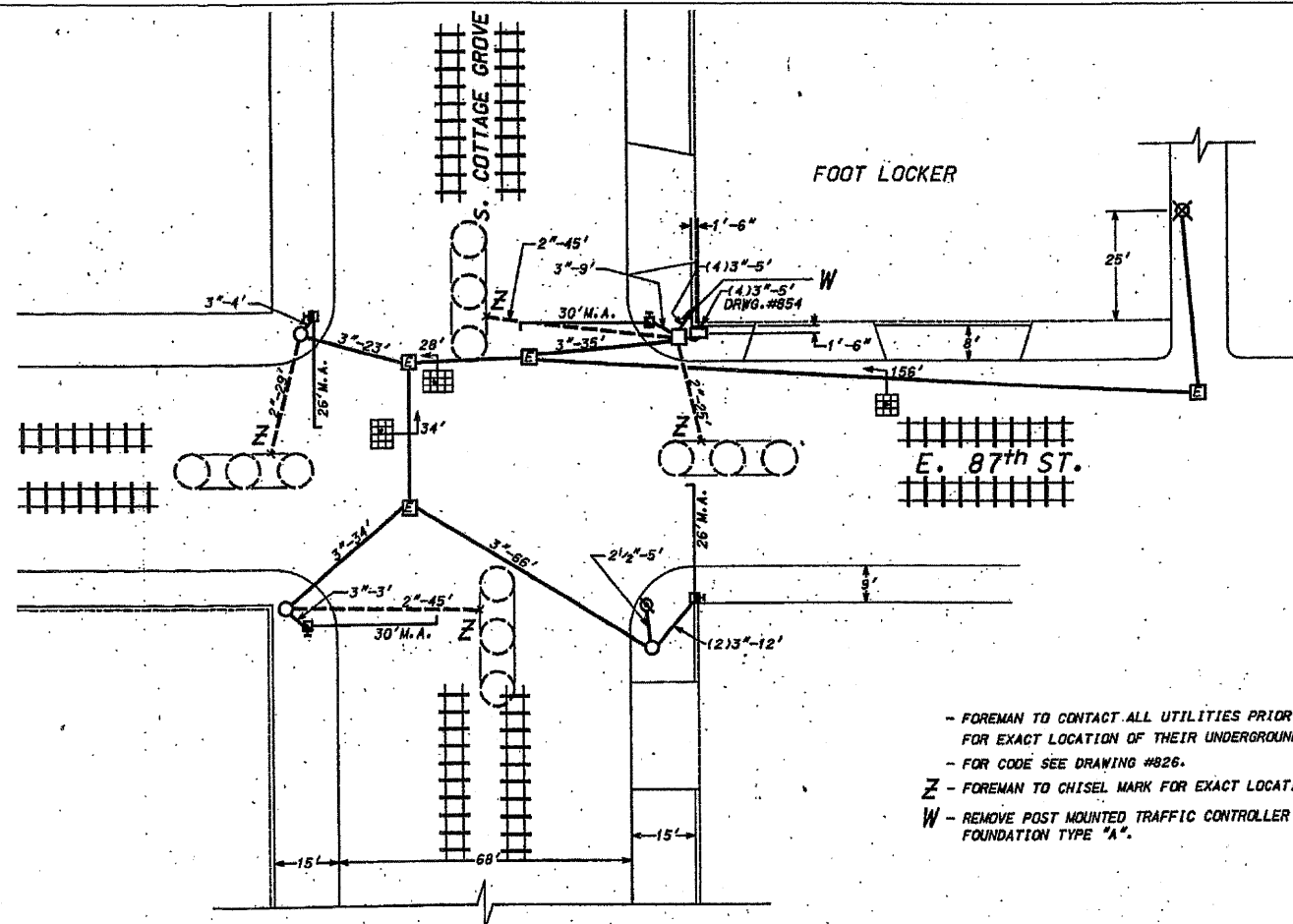
COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET

DETECTOR LOOP REPLACEMENT PLANS
COTTAGE GROVE AVE AT 86th STREET

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

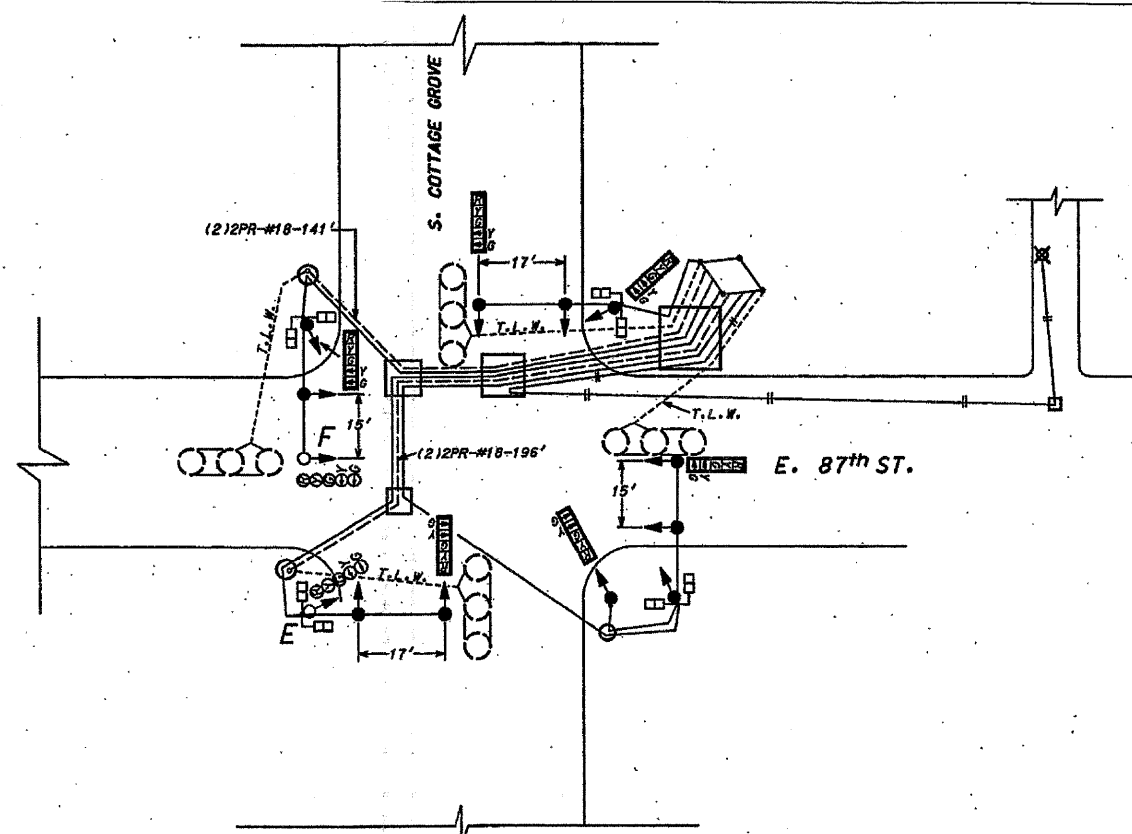
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	13
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 60J68	

P:\2009\ME090808_Ver-Vor-Phil\CADD\W011_CottageGr-Ave-Shts\DI60J68-Border-CottageGr.dgn



FOUNDATION & CONDUIT PLAN
SCALE: 1"=20'

- FOREMAN TO CONTACT ALL UTILITIES PRIOR TO EXCAVATION FOR EXACT LOCATION OF THEIR UNDERGROUND FACILITIES.
- FOR CODE SEE DRAWING #826.
- Z - FOREMAN TO CHISEL MARK FOR EXACT LOCATION OF CONDUIT END.
- W - REMOVE POST MOUNTED TRAFFIC CONTROLLER & BREAKDOWN FOUNDATION TYPE "A".



CABLE & SIGNAL PLAN

NOT TO SCALE

- - DENOTES SPLICE #18, CABLE TO TWISTED LOOP WIRE.
- E - INSTALL SIGNAL HEAD/POLY/LED, 1-FACE/S-SIGNAL BRACKET MOUNTED.
- F - INSTALL SIGNAL HEAD/POLY/LED, 1-FACE/S-SIGNAL, MAST ARM MOUNTED.

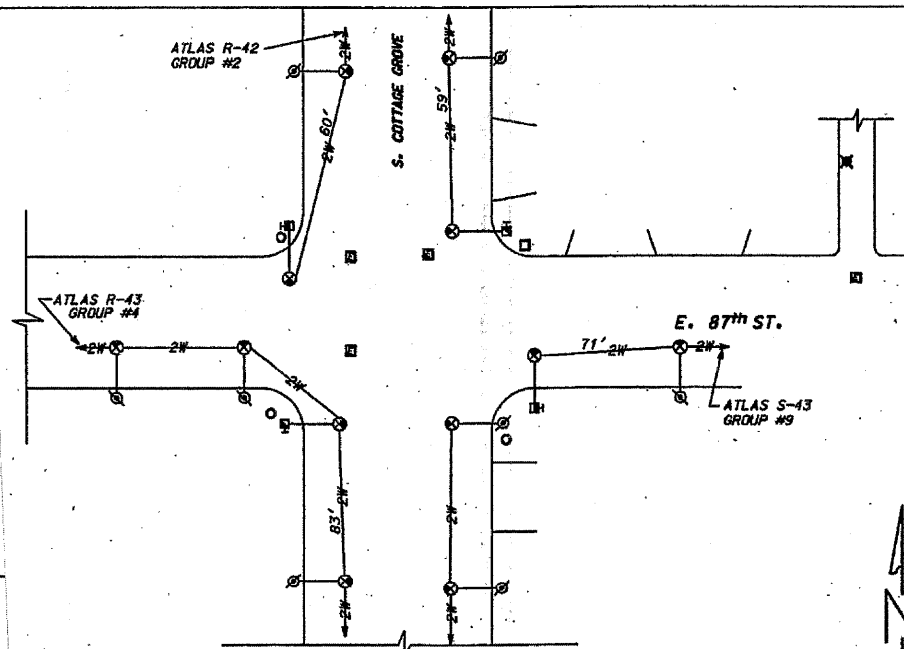


NOTE:
OPERATIONS SUCH AS PAVEMENT GRINDING OR PATCHING WHICH RESULT IN THE DESTRUCTION OF TRAFFIC SIGNAL DETECTION REQUIRE A NOTIFICATION OF INTENT TO WORK AND AN INSPECTION. A MINIMUM OF SEVEN (7) WORKING DAYS PRIOR TO THE DETECTION REMOVAL, THE CONTRACTOR SHALL NOTIFY ROBERT NELSON, CITY OF CHICAGO BUREAU OF ELECTRICITY TRAFFIC SIGNAL MAINTENANCE SUPERVISOR AT (312)746-4525 AT WHICH TIME ARRANGEMENTS WILL BE MADE TO ADJUST THE TRAFFIC CONTROLLER TIMING TO COMPENSATE FOR THE ABSENCE OF DETECTION. FINAL LOCATIONS OF THE DETECTOR LOOP REPLACEMENT WILL BE APPROVED BY THE CITY OF CHICAGO AND ENGINEER.

THIS PLAN IS FOR INFORMATION AND IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY.

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	468	FOOT	DETECTOR LOOP REPLACEMENT



STREET LIGHTING PLAN

NOT TO SCALE



DATE	REVISION
WORK ORDER NO. 1213075 DATE 9-3-02	
COST ALLOCATION ACCOUNT	
APPROPRIATION ACCOUNT MATERIAL LABOR	
SUPERSEDES DRAWING #12812 DATED 7-29-86.	
TRAFFIC CONTROL SIGNALS S. COTTAGE GROVE AVE. & E. 87th ST.	
CITY OF CHICAGO DEPT. OF STREET AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING	
DRAFTSMAN ARMANDO VIVANCO	CHIEF DRAFTSMAN ROBERT CARTER
SUPERVISING ENGINEER ELEC. DESIGN ENGR. [Signature]	ENGINEER ARMANDO VIVANCO
ENGINEER OF ELECTRICITY [Signature]	DRG. NO. 12812
GEN'L SUPPLY OF ELECTRICALS [Signature]	
DEPUTY COMMISSIONER [Signature]	DATE: 9-3-02
SIZE: 22" x 36"	SCALE: AS NOTED

FILE NAME = P:\2009\ME09026_Ver-Yer-PH1\CADD\W011\CottageGr\Shets\0160J68-Border-CottageGr.dgn
 PLOT SCALE = 2.0000" / 1"
 USER NAME = Millennium Professional Services



300 22ND Street, Suite 216, Lombard, IL 60148
630.785.8110 voice, 630.839.3566 fax
WWW.MPS-IL.COM

MILLENNIA PROFESSIONAL SERVICES

DESIGNED	REVISION
CJD	-
DRAWN	REVISION
CJD	-
CHECKED	REVISION
RPD	-
DATE	REVISION
	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COTTAGE GROVE AVENUE
83RD STREET TO 92ND STREET

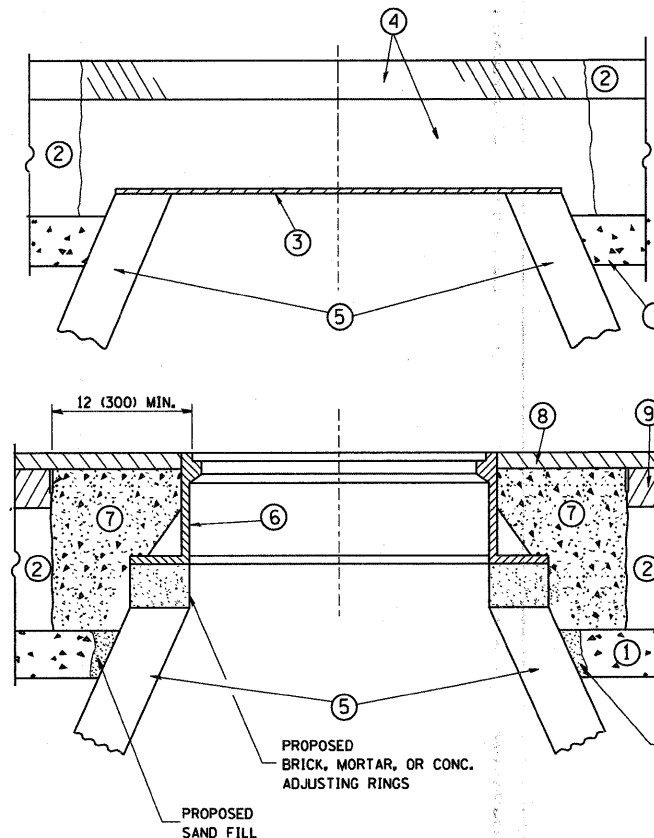
DETECTOR LOOP REPLACEMENT PLANS
COTTAGE GROVE AVE AT 87th STREET

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2919	2009-118 RS	COOK	29	14
CONTRACT NO. 60J68				

FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT

P:\2009\ME09026_Ver-Yer-PH1\CADD\W011\CottageGr\Shets\0160J68-Border-CottageGr.dgn



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

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

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

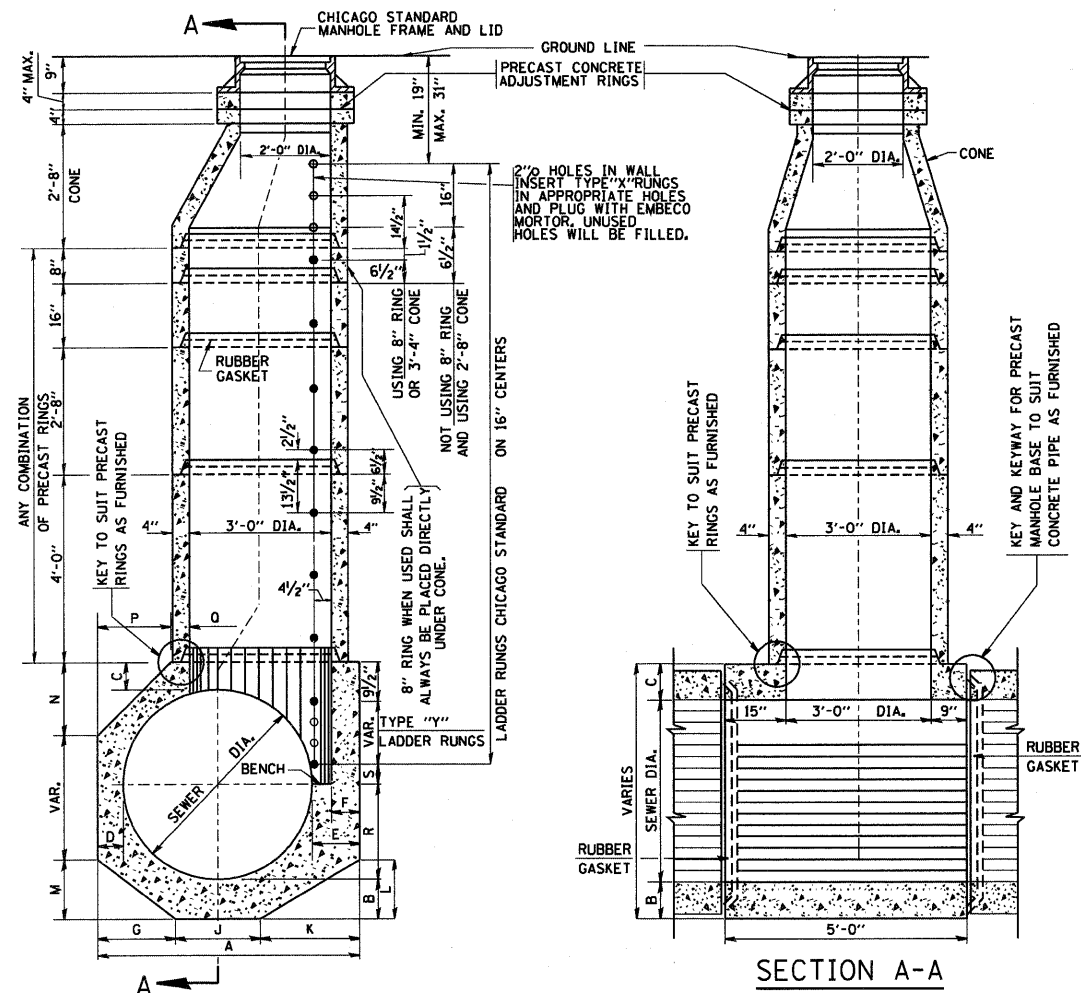
THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL" NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

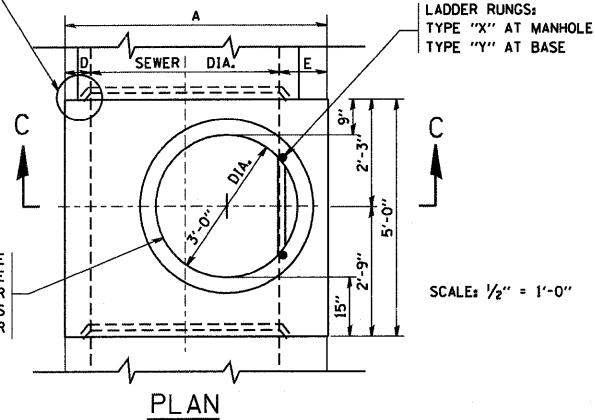
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = W:\diststd\22x34\bd08.dgn	USER NAME = gegl:enobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			F.A.P. RTE. 368	SECTION 2009-104 RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 15
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-03 (BD-8)		CONTRACT NO. 60170		
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - R. WIEDEMAN 05-14-04		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 10-25-94	REVISED - R. BORO 01-01-07									



SECTION C-C

KEY AND KEYWAY FOR PRECAST MANHOLE BASE TO SUIT CONCRETE PIPE AS FURNISHED



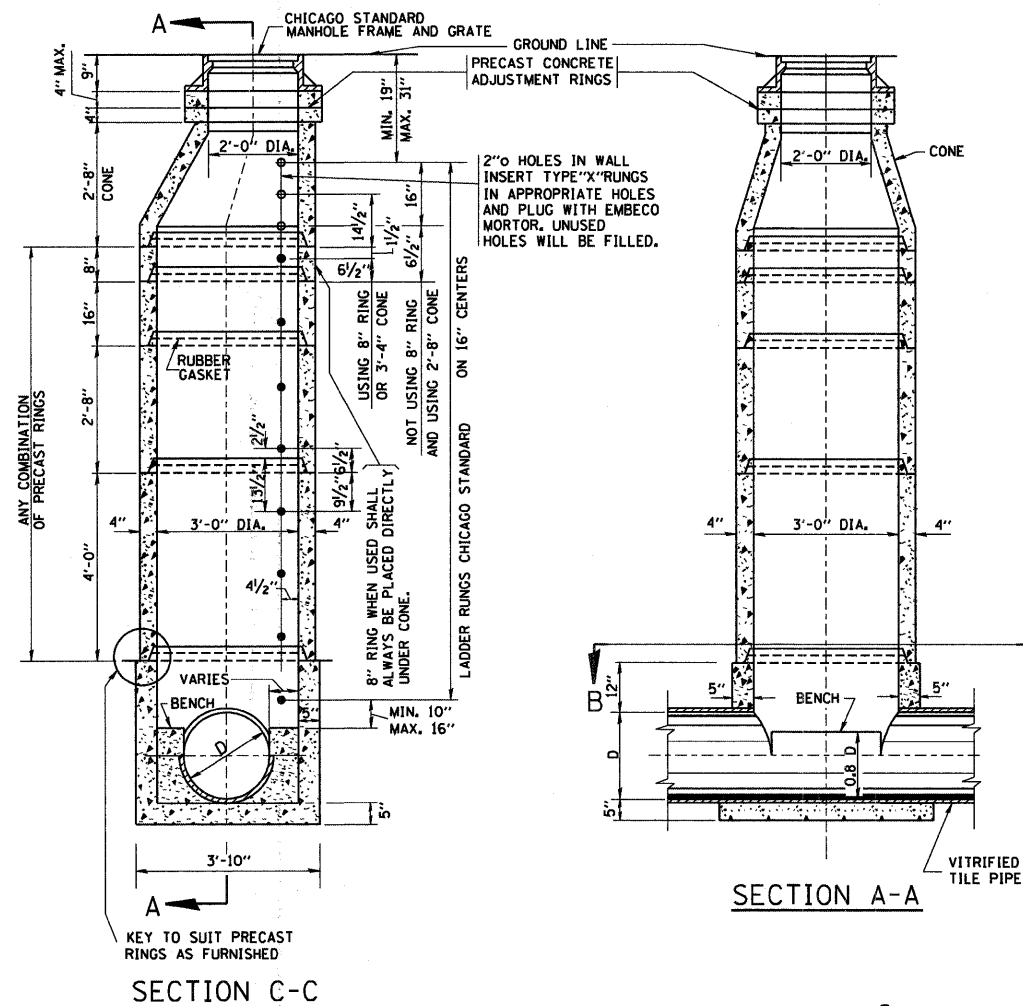
PLAN

MANHOLE OPENING MAY BE PLACED ON EITHER SIDE OF BASE TO SUIT SEWER ALIGNMENT AND/OR AS DIRECTED BY ENGINEER

SCALE: 1/2" = 1'-0"

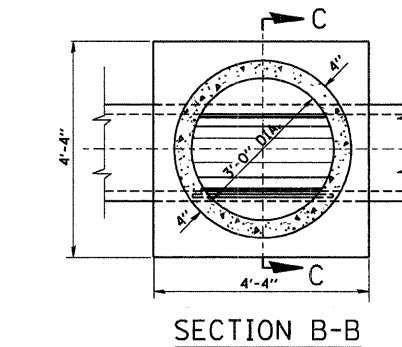
FOR STATE CONTRACT ALL DIMENSIONS SHOULD BE PREPARED IN METRIC UNITS SOFT CONVERSION METHOD SHOULD BE USED.

TYPE "A" MANHOLE FOR SEWERS 24" TO 120" DIAMETER PRECAST BASES AND RINGS



SECTION C-C

TYPE "A" MANHOLE FOR SEWERS 21" DIAMETER AND SMALLER PRECAST BASES AND RINGS



SECTION B-B

SCALE: 1/2" = 1'-0"

SEWER DIA.	PART OF ITEM	DIMENSIONS OF PRECAST MANHOLE BASE																NO. "Y" RINGS
		A	B	C	D	E	F	G	J	K	L	M	N	P	Q	R		
120"	---	12"-4 1/2"	12"	12"	12"	16 1/2"	12"	4'-0"	4'-0"	4'-4 1/2"	2'-7 1/2"	2'-5"	3'-7"	3'-7"	4'-8 1/2"	2'-0"	2 1/2"	7
108"	---	11"-4 1/2"	12"	12"	12"	16 1/2"	12"	3'-8"	3'-8"	4"-0 1/2"	2'-5"	2'-2"	3'-4"	3'-4"	4'-0 1/2"	2'-0"	6 1/2"	6
102"	---	10"-10 1/2"	12"	12"	12"	16 1/2"	12"	3'-6"	3'-6"	3'-10 1/2"	2'-4"	2'-1"	3'-2"	3'-2"	3'-8 1/2"	2'-0"	16 1/2"	5
96"	10-A	10"-2 1/2"	11"	11"	11"	15 1/2"	11"	3'-3"	3'-3"	3'-8 1/2"	2'-3"	23"	2'-11"	2'-11"	3'-4 1/2"	2'-0"	9 1/2"	5
90"	10-B	9'-8 1/2"	11"	11"	11"	15 1/2"	11"	3'-1"	3'-1"	3'-6 1/2"	2'-1 1/2"	22"	2'-10"	2'-10"	2'-11 1/2"	2'-0"	3 1/2"	5
84"	10-C	9'-0 1/2"	10"	10"	10"	14 1/2"	10"	2'-11"	2'-11"	3'-2 1/2"	23"	21"	2'-7"	2'-7"	2'-7 1/2"	2'-0"	12 1/2"	4
78"	10-D	8'-6 1/2"	10"	10"	10"	14 1/2"	10"	2'-9"	2'-9"	3'-0 1/2"	22"	20"	2'-6"	2'-6"	2'-2 1/2"	2'-0"	6 1/2"	4
72"	10	7'-10 1/2"	9"	9"	9"	13 1/2"	9"	2'-6"	2'-6"	2'-10 1/2"	21"	18"	2'-3"	2'-3"	22 1/2"	2'-0"	15 1/2"	3
66"	11	7'-4 1/2"	9"	9"	9"	13 1/2"	9"	2'-4"	2'-4"	2'-8 1/2"	19 1/2"	17"	2'-1"	2'-1"	18 1/2"	2'-0"	9 1/2"	3
60"	12	6'-8 1/2"	8"	8"	8"	12 1/2"	8"	2'-1 1/2"	2'-1"	2'-6"	18"	15"	23"	23"	13 1/2"	2'-0"	2 1/2"	3
54"	13	6'-2 1/2"	8"	8"	8"	12 1/2"	8"	23 1/2"	23"	2'-4"	17"	14"	21"	21"	9 1/2"	2'-0"	12 1/2"	2
48"	14	5'-6 1/2"	7"	7"	7"	11 1/2"	7"	20 1/2"	21"	2'-1"	15"	12 1/2"	18 1/2"	18 1/2"	5"	2'-0"	5 1/2"	2
42"	15	5'-0 1/2"	7"	7"	7"	11 1/2"	7"	18 1/2"	19"	23"	14"	11"	---	---	17 1/2"	21"	2 1/2"	2
36"	16	4'-4 1/2"	6"	6"	6"	10 1/2"	6"	16"	16"	20 1/2"	12 1/2"	9 1/2"	---	---	10 1/2"	18"	14 1/2"	1
30"	17	4'-0"	6"	6"	6"	12"	6"	14"	14"	20"	12"	8 1/2"	---	---	6"	15"	11 1/2"	1
24"	18	4'-0"	6"	6"	12"	12"	6"	16"	16"	16"	9 1/2"	9 1/2"	---	---	6"	12"	8 1/2"	1

FILE NAME = W:\dstata\22x34\bd09.dgn

USER NAME = geglionbt
 PLOT SCALE = 50.0000 ' / IN.
 PLOT DATE = 1/4/2008

DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 06-18-82

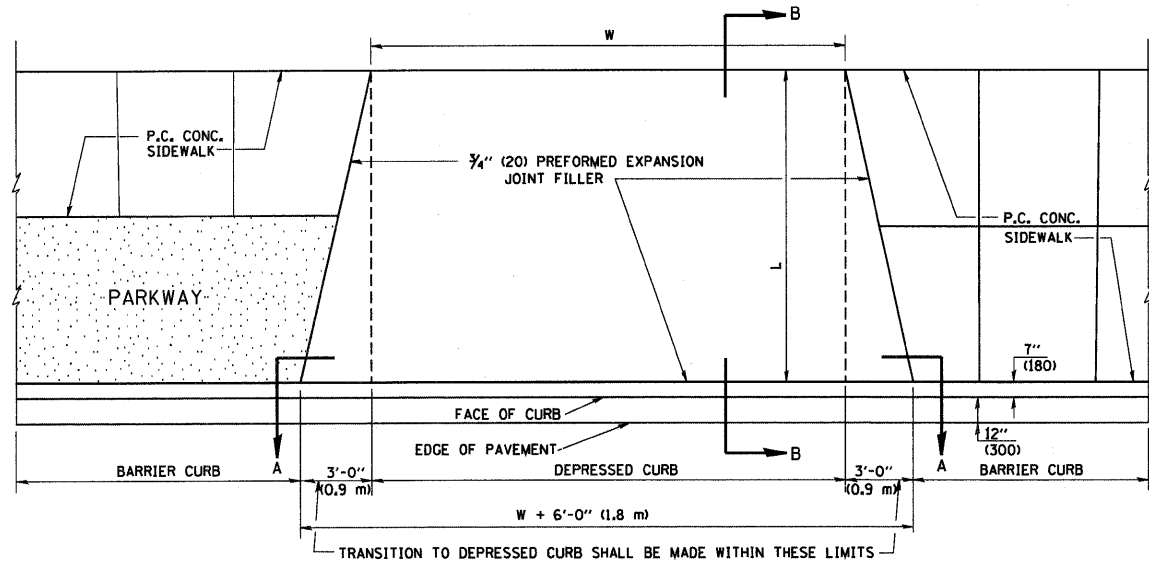
REVISED - 09-22-90
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO DRAINAGE DETAILS

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

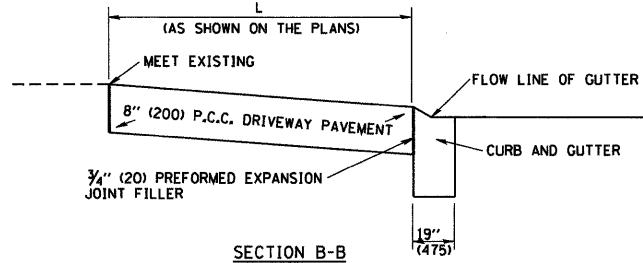
F.A.P. RTE. 368 SECTION 2009-104 RS COUNTY COOK TOTAL SHEETS 29 SHEET NO. 16
 BD600-12 (BD-9) CONTRACT NO. 60170
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



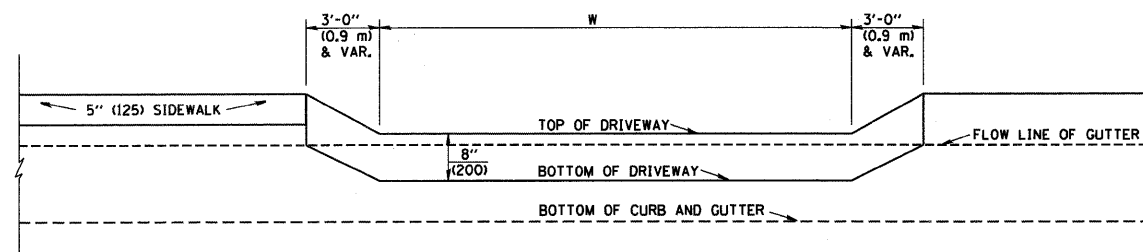
PLAN VIEW

NOTES:

1. EXPANSION JOINTS SHALL BE CONSTRUCTED AS SHOWN ON THE DETAILS FOR P.C.C. SIDEWALK.
2. THE CURB BETWEEN ADJACENT DRIVEWAYS SHALL BE FULL HEIGHT FOR A DISTANCE OF AT LEAST FOUR FEET (1.2 METERS).
3. P.C. CONCRETE DRIVEWAYS SHALL BE CONSTRUCTED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. 3/4" (20) PREFORMED EXPANSION JOINTS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO P.C.C. DRIVEWAY PAVEMENT 8" (200).
5. COMBINATION CONC. CURB AND GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE TRANSITION CURB AND GUTTER.

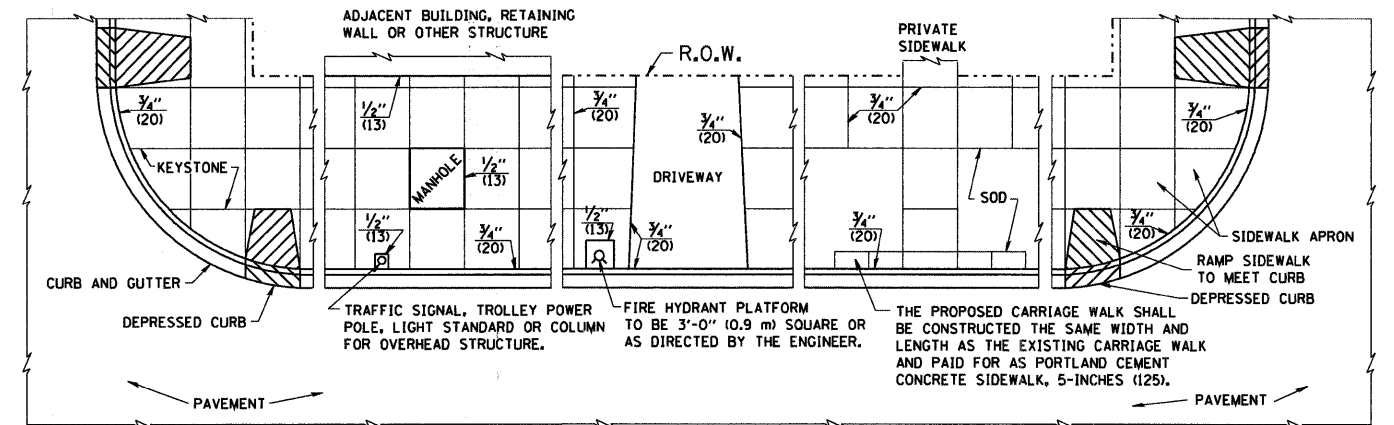


SECTION B-B



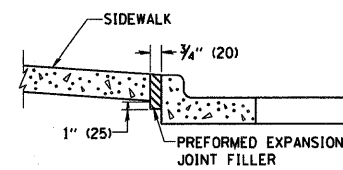
SECTION A-A

P.C.C. DRIVEWAY PAVEMENT DETAIL



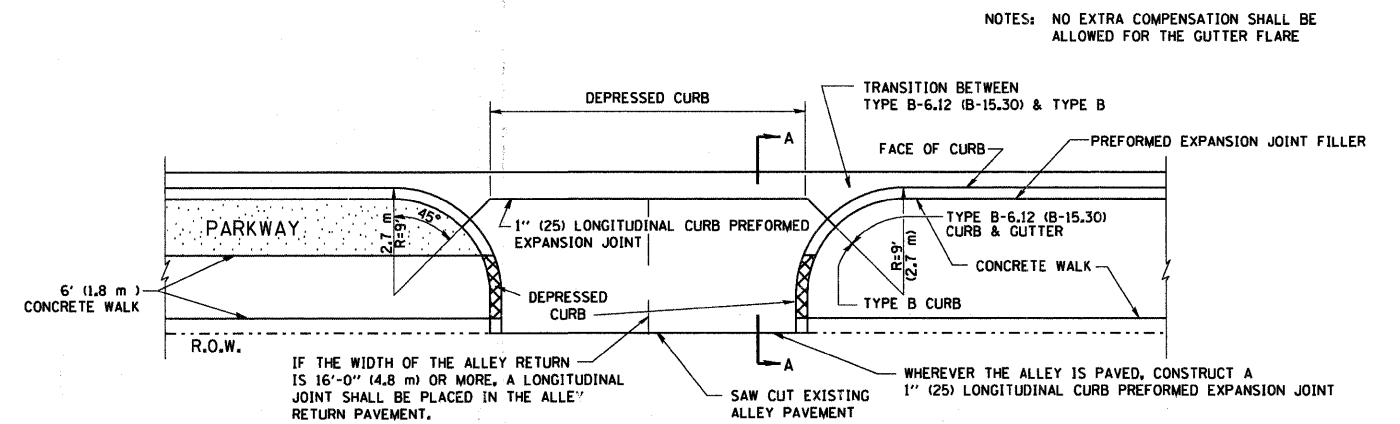
NOTES:

1. ONE-HALF INCH THICK EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS, MANHOLES, WHICH EXTEND THROUGH THE SIDEWALK.
2. 3/4" (20) THICK EXPANSION JOINTS SHALL BE PLACED AT INTERVALS OF NOT MORE THAN 100 FEET (30 METERS) IN THE SIDEWALK. WHERE THE SIDEWALK IS CONSTRUCTED ADJACENT TO PAVEMENT OR CURB HAVING EXPANSION JOINTS, THE EXPANSION JOINTS IN THE SIDEWALK SHALL BE PLACED OPPOSITE THE EXISTING EXPANSION JOINTS AS NEARLY AS PRACTICABLE. EXPANSION JOINTS SHALL ALSO BE PLACED WHERE THE SIDEWALK ABUTS EXISTING SIDEWALKS, BETWEEN DRIVEWAY PAVEMENT AND SIDEWALK, AND BETWEEN SIDEWALK AND CURBS WHERE THE SIDEWALK ABUTS A CURB.

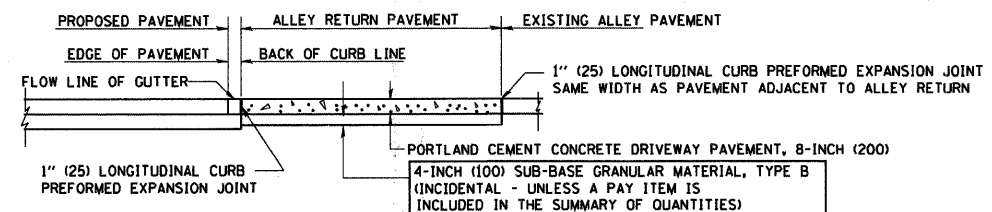


SLOPE FOR SIDEWALK
1" (25) IN 3'-0" (0.9 m) IN CHICAGO

PORTLAND CEMENT CONCRETE SIDEWALK DETAILS



NOTES: NO EXTRA COMPENSATION SHALL BE ALLOWED FOR THE GUTTER FLARE



SECTION A-A

ALLEY RETURN DETAIL

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =
W:\data\22x34\bd17.dgn

USER NAME = gegltonobt
PLOT SCALE = 50.0000 / IN.
PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 06-13-90

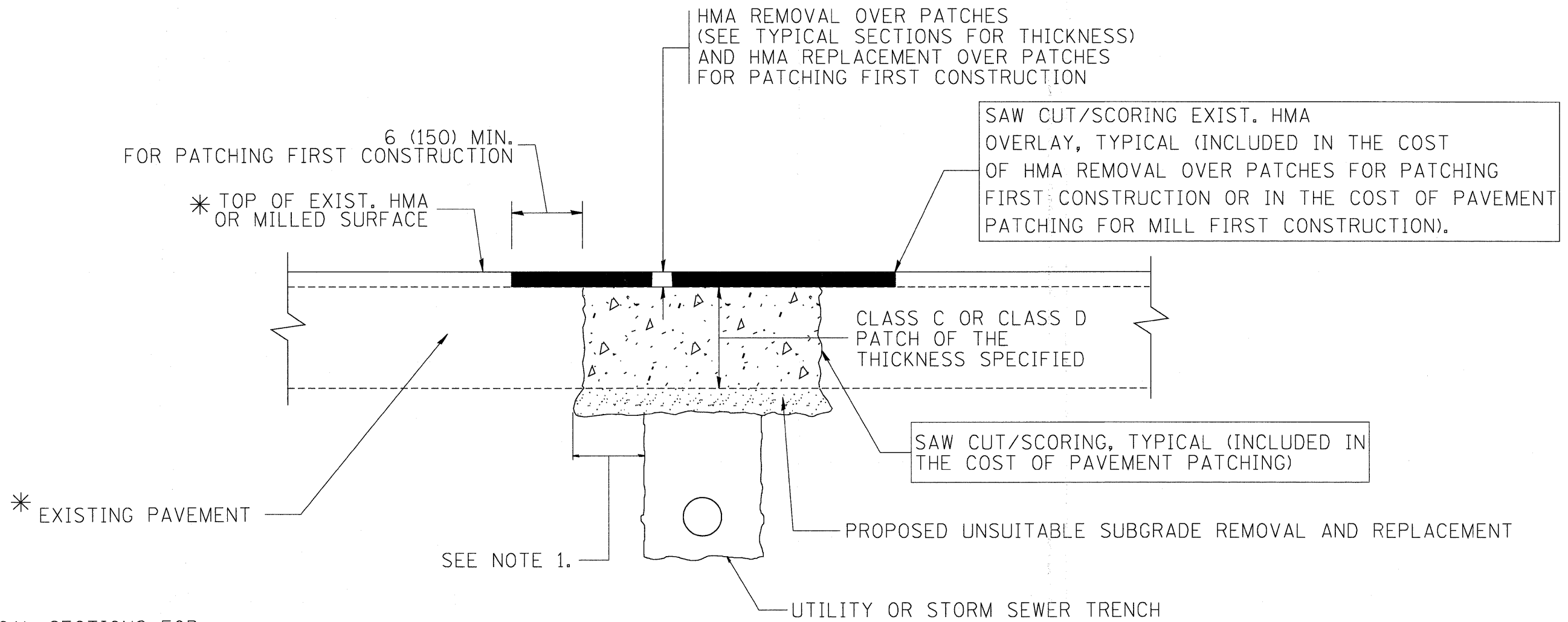
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
368	2009-104 RS	COOK	29	17
BD400-03 (BD-17)		CONTRACT NO. 60170		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - R. BORO 01-01-07					368	2009-104 RS	COOK	29	18	
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07					BD400-04 (BD-22)				CONTRACT NO. 60170	
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001

18" (450) MAX.

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

T/2 *

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

3" (75) MIN.

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

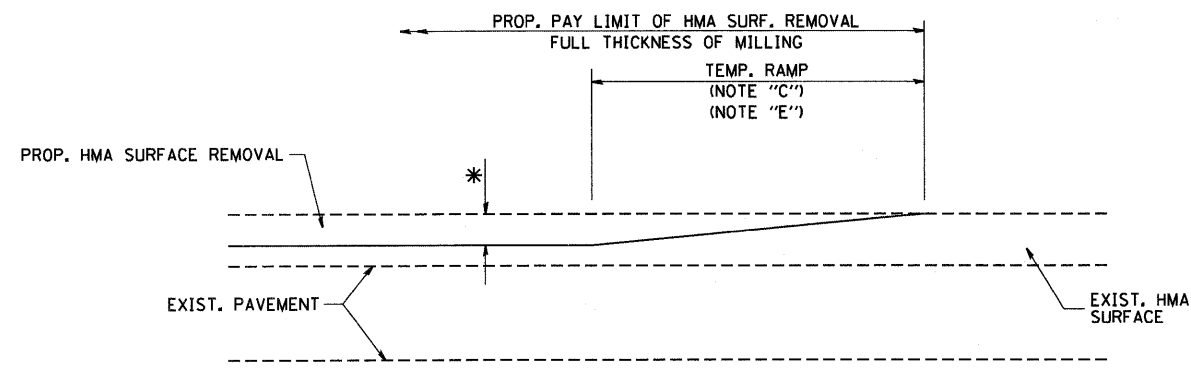
BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

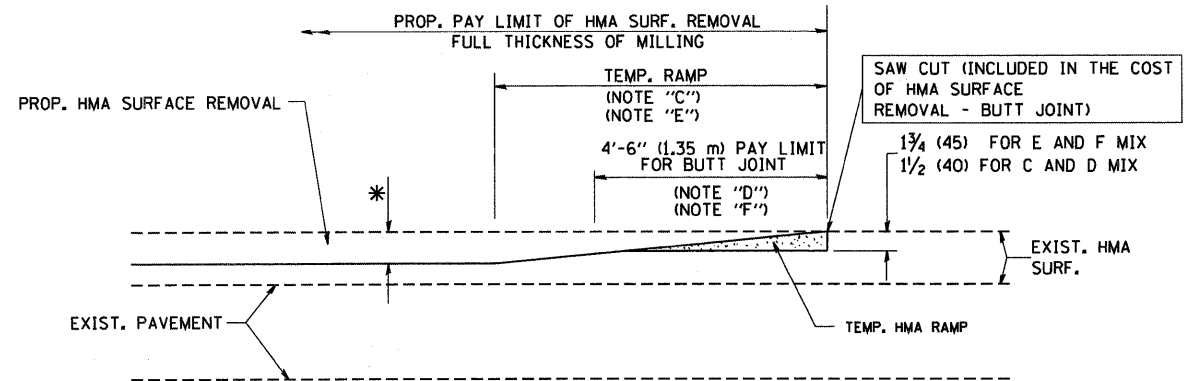
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et\p\work\pwsdot\drivakosgn\d0108315\bd24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97		368	2009-104 RS	COOK	29	19			
PLOT SCALE = 50.000' / IN.		CHECKED -	REVISED - M. GOMEZ 01-22-01		BD600-06 (BD-24)			CONTRACT NO. 60170				
PLOT DATE = 12/15/2009		DATE - 03-11-94	REVISED - R. BORO 12-15-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



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

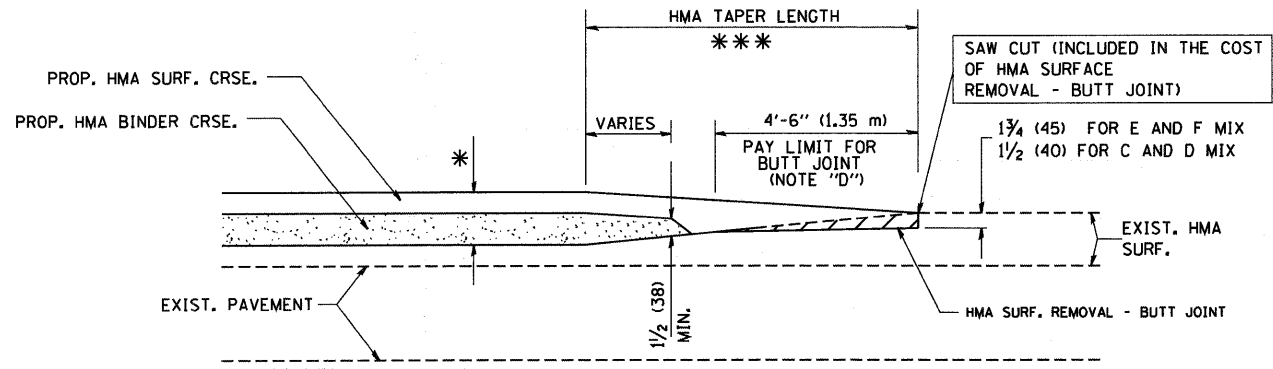
OPTION 1



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

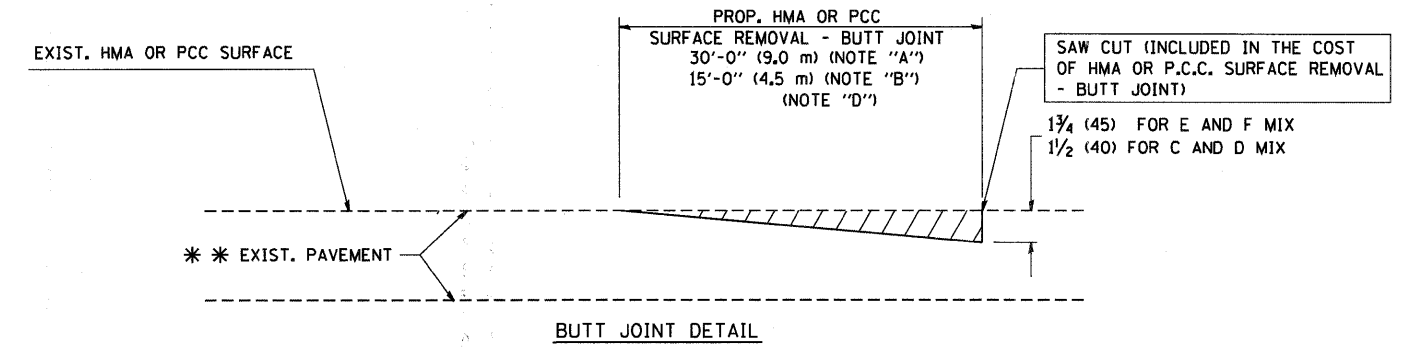
OPTION 2

TYPICAL TEMPORARY RAMP

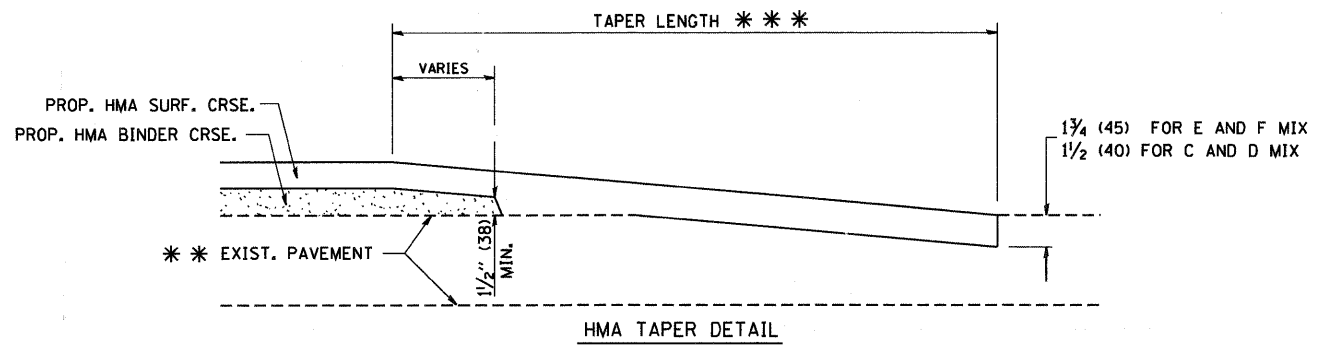


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

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

BASIS OF PAYMENT:

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

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

FILE NAME =
W:\dist\td\22x34\bd32.dgn

USER NAME = geg1enobt

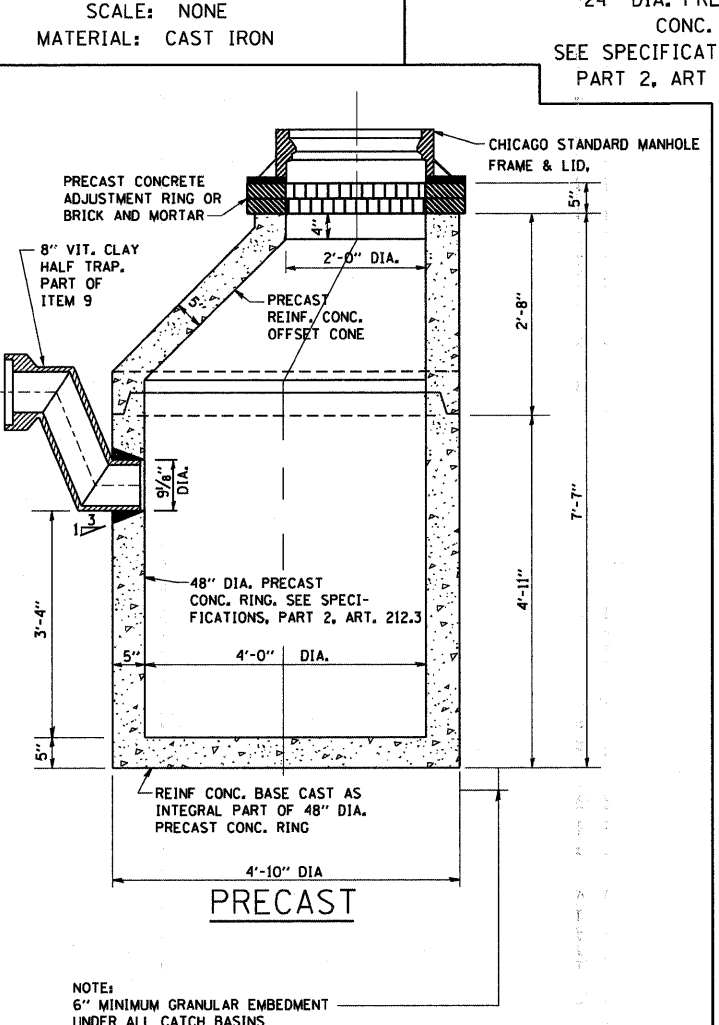
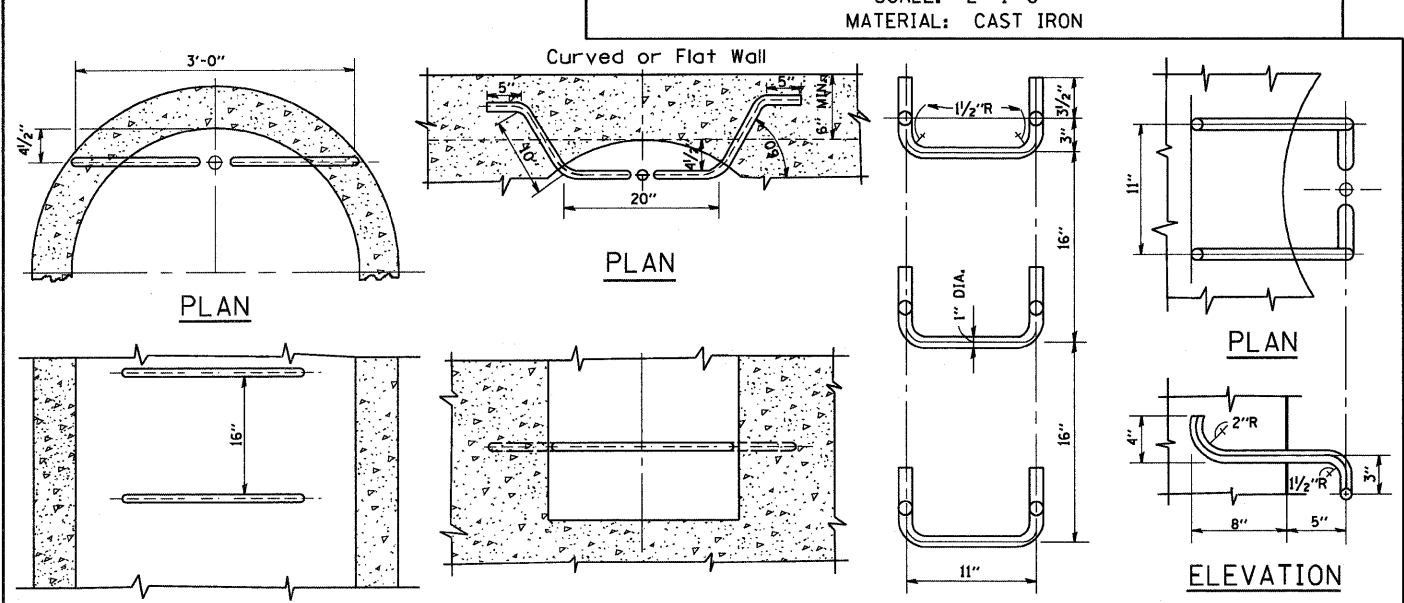
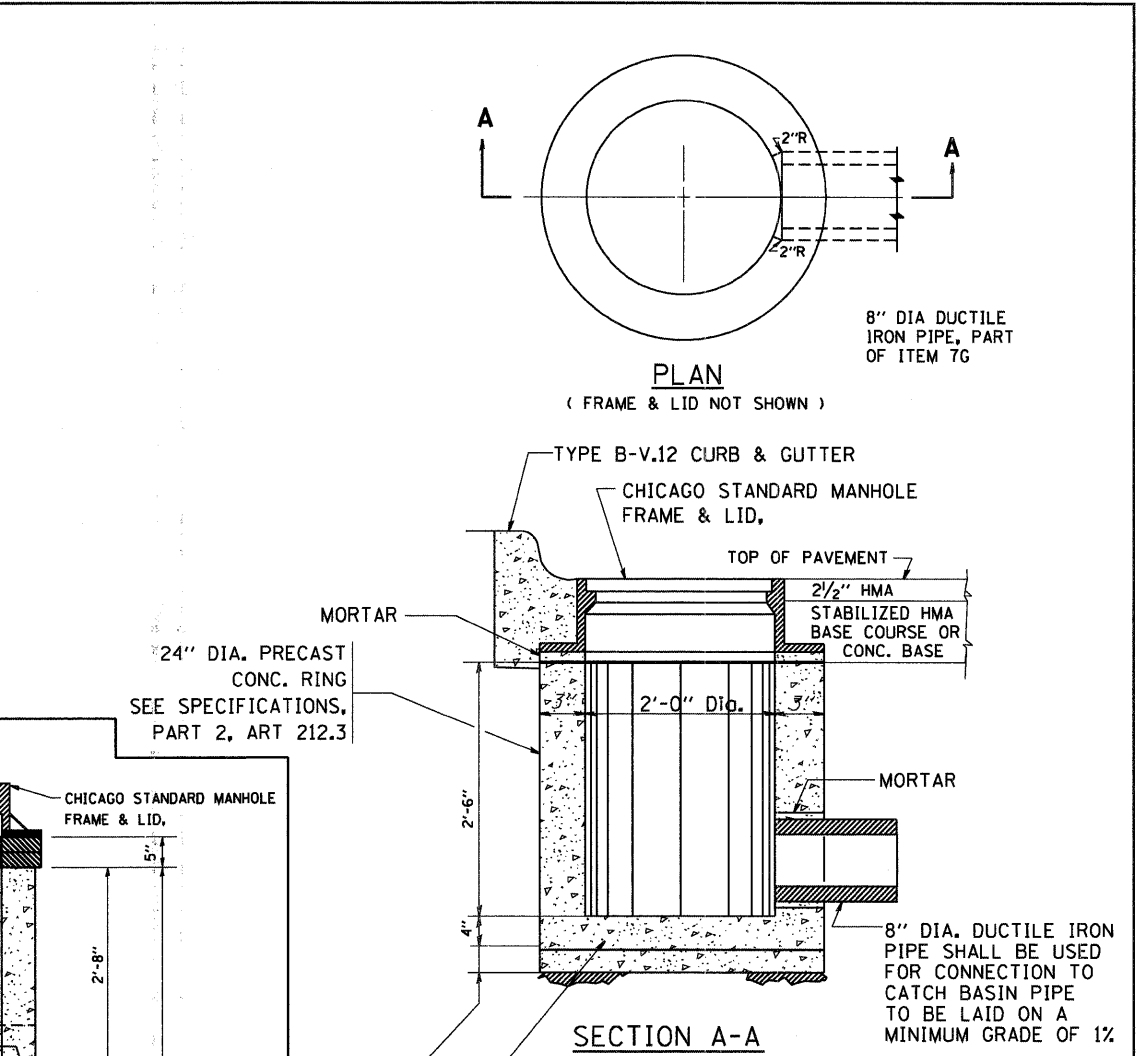
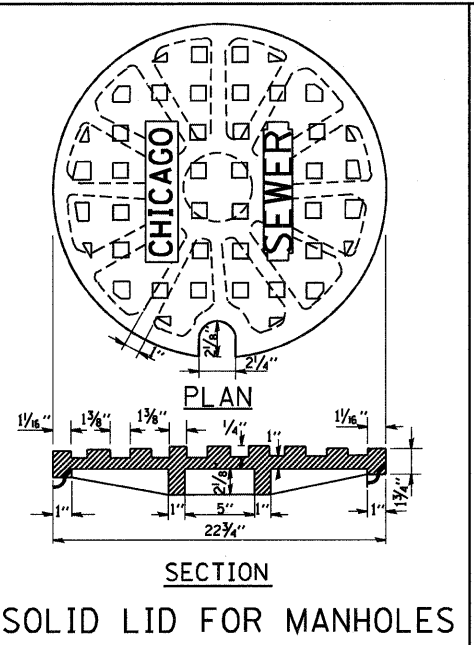
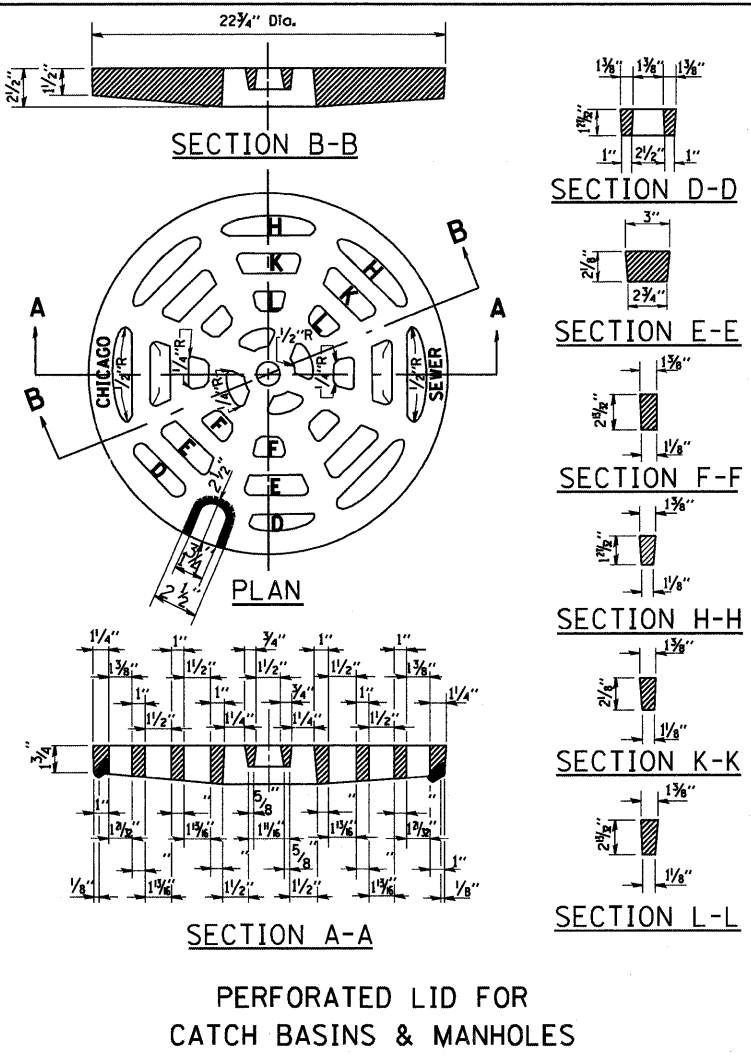
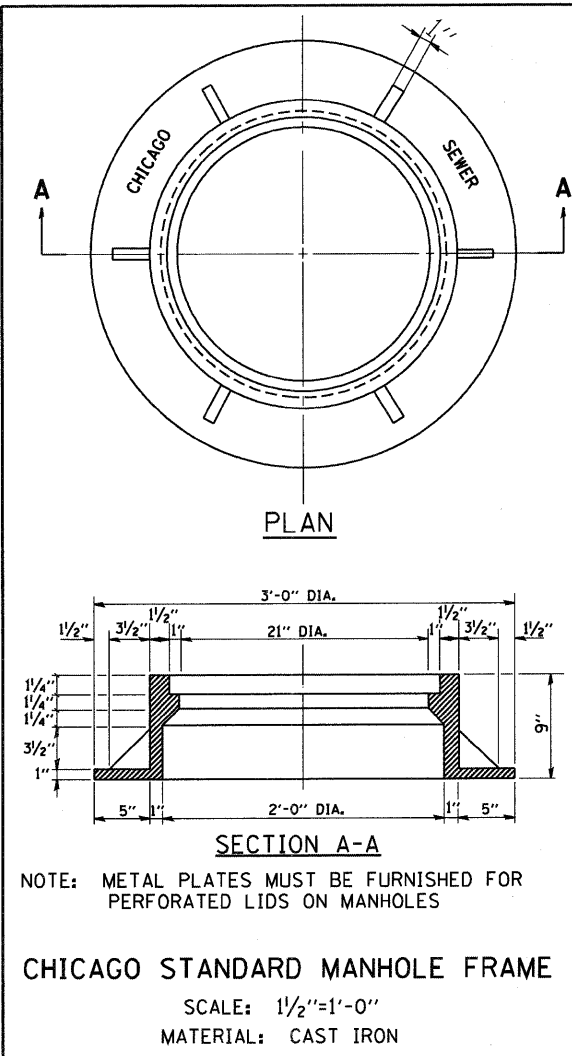
DESIGNED - M. DE YONG
DRAWN -
CHECKED -
DATE - 06-13-90

REVISED - R. SHAH 10-25-94
REVISED - A. ABBAS 03-21-97
REVISED - M. GOMEZ 04-06-01
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.
368	2009-104 RS	COOK	29	20
BD400-05 BD32		CONTRACT NO. 60170		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

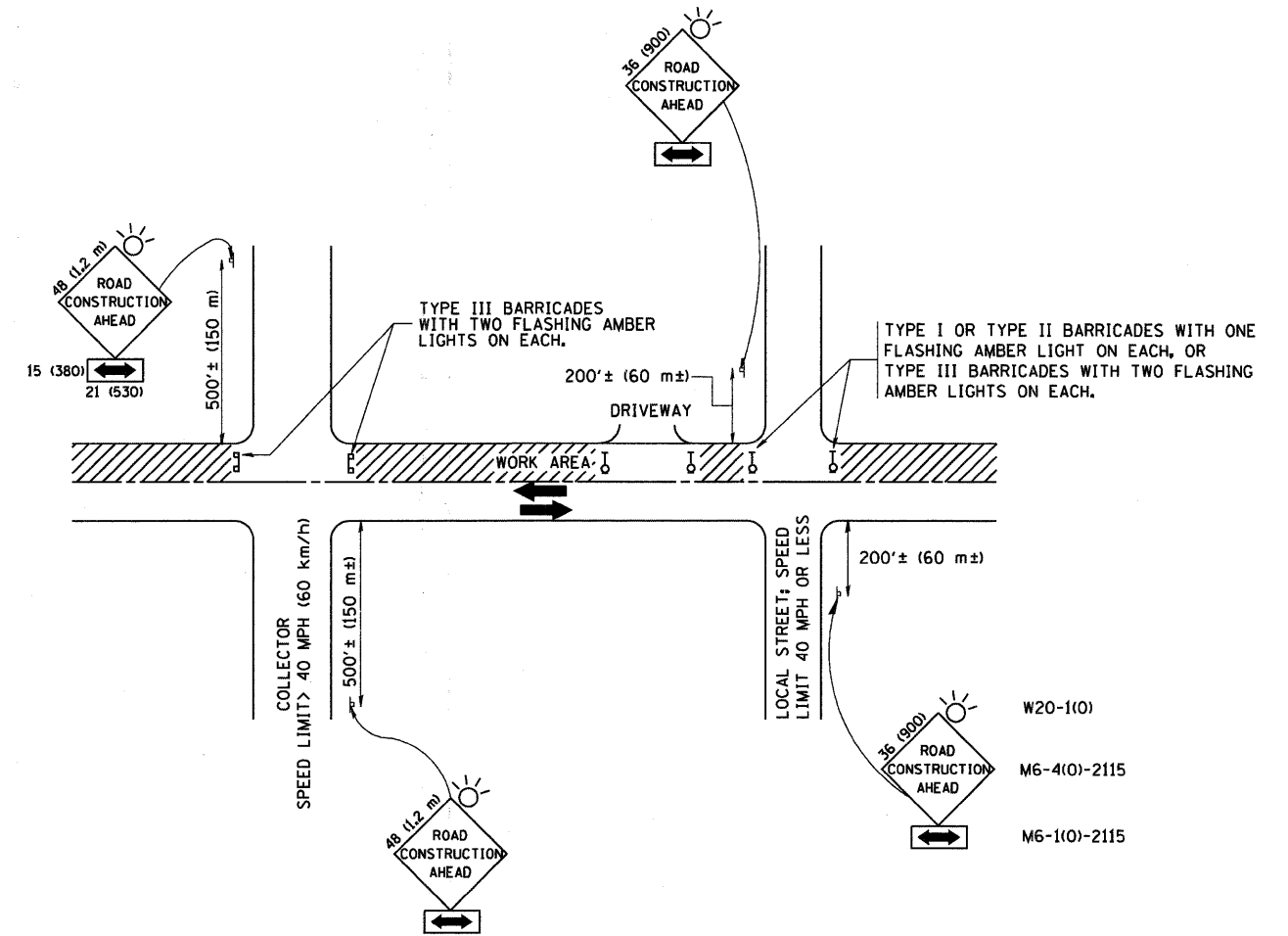


FILE NAME = W:\dststd\22x34\bd47.dgn
 USER NAME = geglionobt
 DESIGNED - M. GOMEZ
 DRAWN -
 CHECKED -
 PLOT DATE = 1/4/2008
 DATE - 01-25-01
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
 DEPARTMENT OF SEWERS
 ENGINEERING DIVISION

CITY OF CHICAGO CATCH BASIN, INLET AND MANHOLE DETAILS		F.A.P. RTE. 368	SECTION 2009-104 RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 21
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		BD600-13 (BD47)		CONTRACT NO. 60170		
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

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

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

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

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

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

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

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

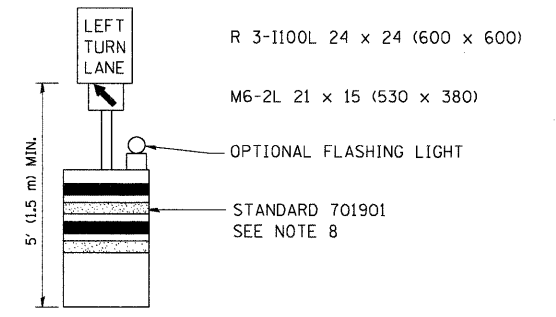
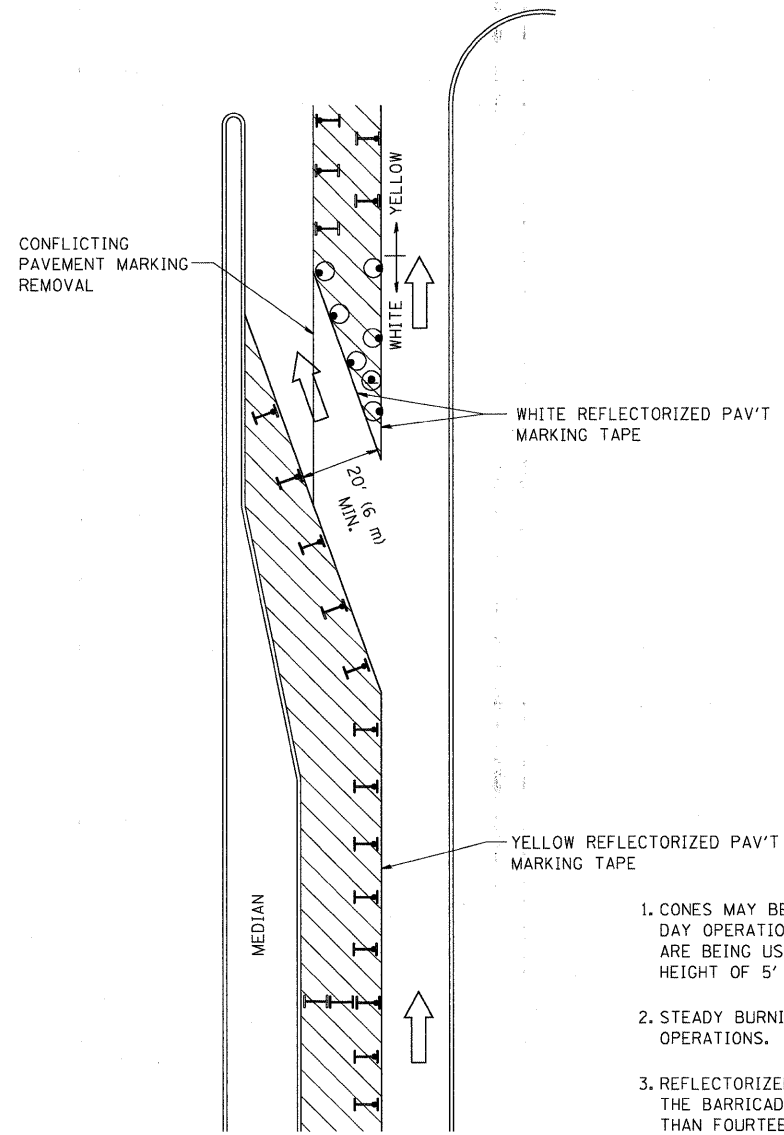
FILE NAME = W:\distof\22x34\to18.dgn	USER NAME = gegltenobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A.R. RTE. 368	SECTION 2009-104 RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 22
TC-10		CONTRACT NO. 60170		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

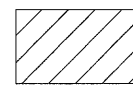







GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

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

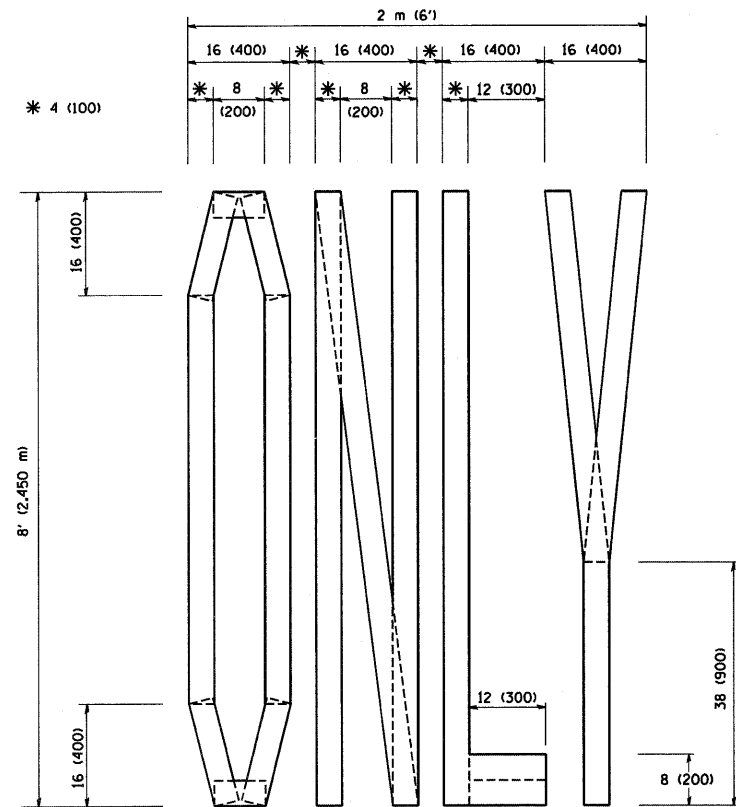
FILE NAME =	USER NAME = drivakosgn	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
ct:\pe_work\PWIDOT\DRIVAKOSGN\d0108315\14.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -
	PLOT SCALE = 49.9999 / / IN.	REVISED - A. HOUSEH 10-12-96	REVISED -
	PLOT DATE = 9/14/2009	REVISED - T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

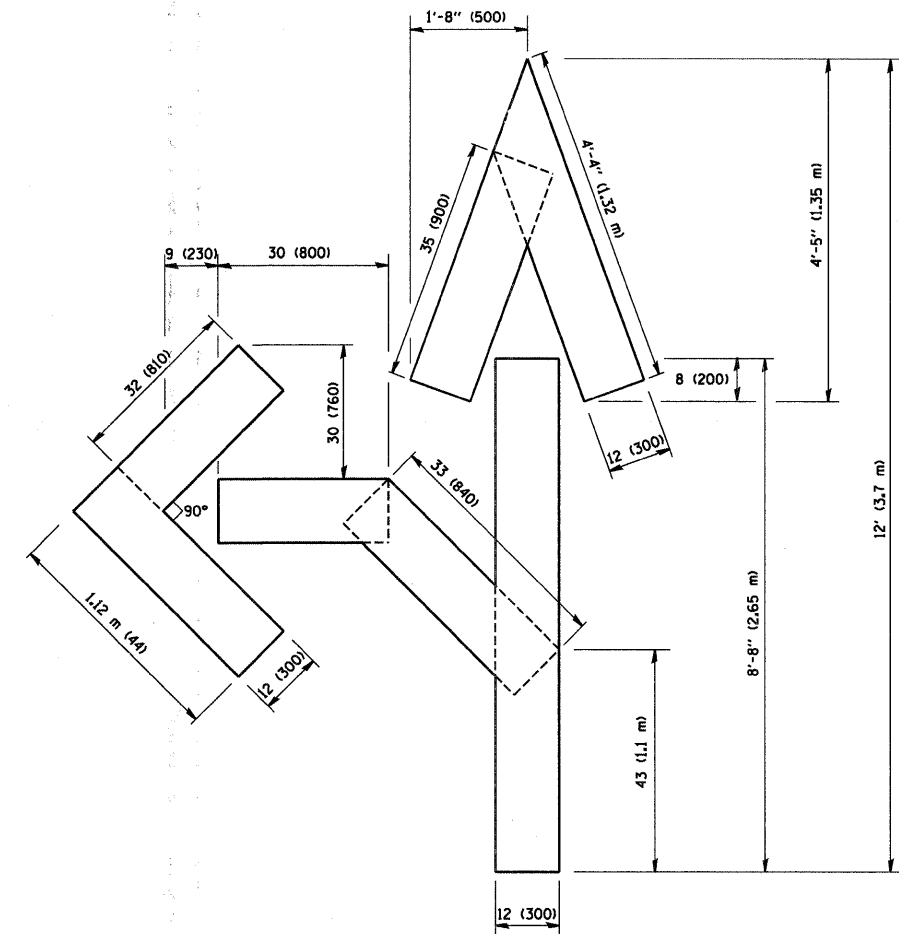
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

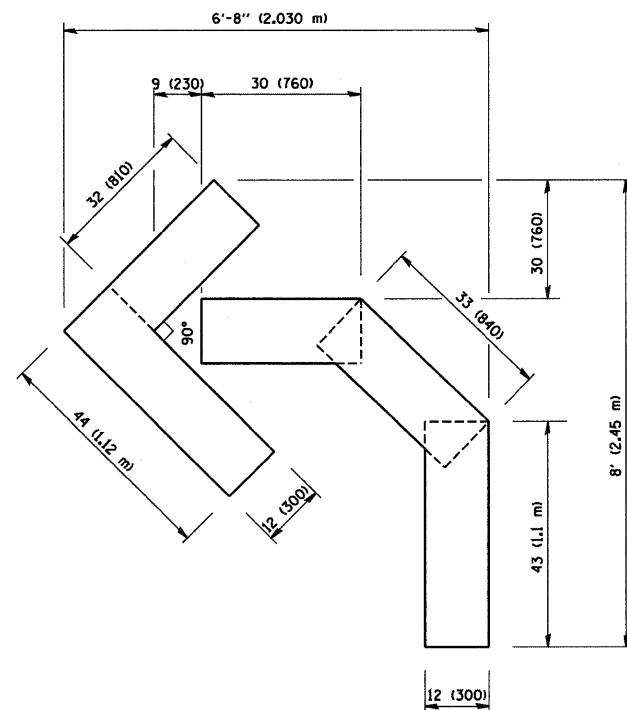
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
368	2009-104 RS	COOK	29	23
TC-14		CONTRACT NO. 60170		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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



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



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

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

FILE NAME =
 W:\diststd\22x34\tcl6.dgn

USER NAME = gegl1enobt
 PLOT SCALE = 50.0000" / IN.
 PLOT DATE = 1/4/2008

DESIGNED -
 DRAWN -
 CHECKED -
 DATE - 09-18-94

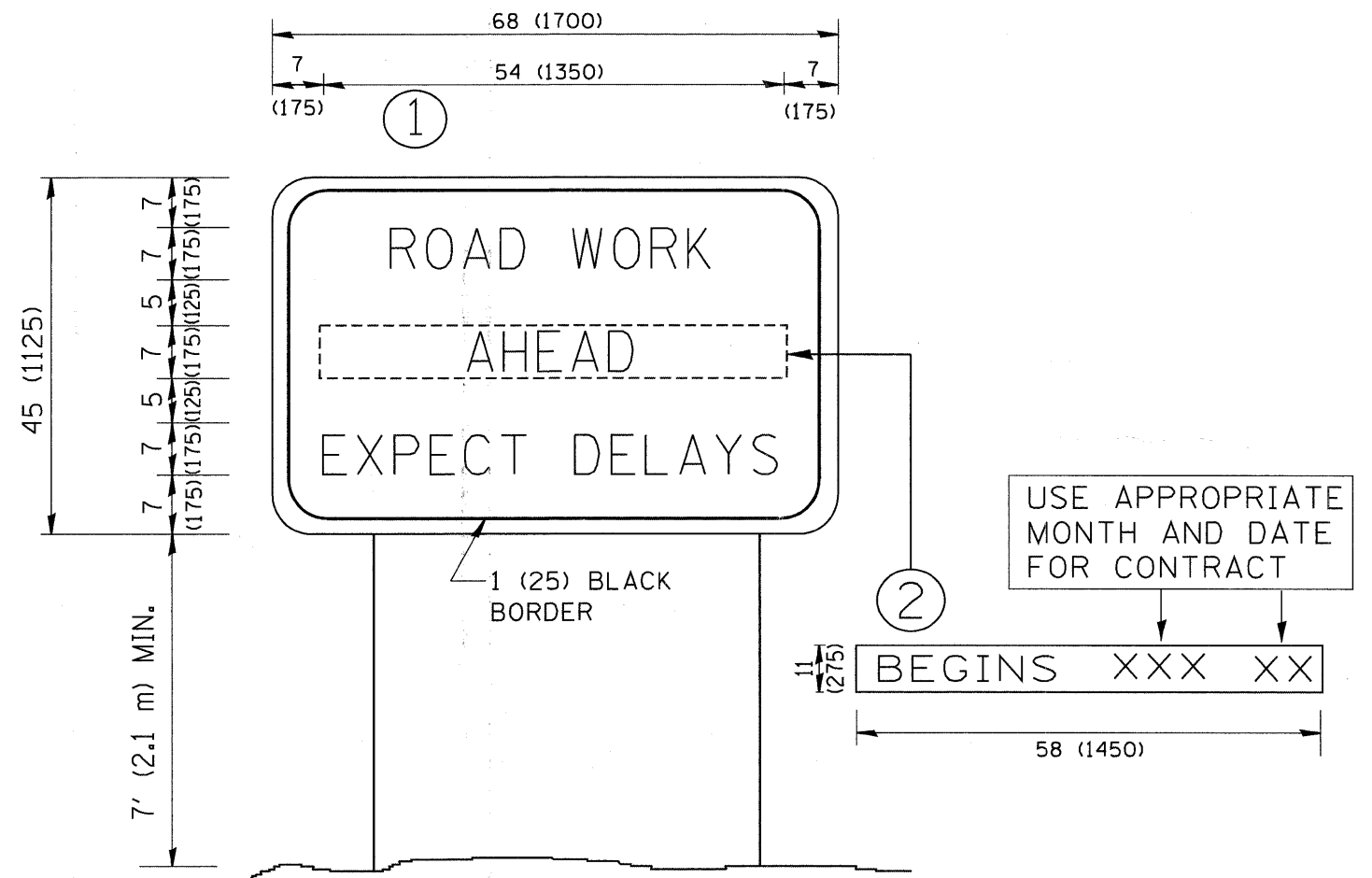
REVISED - T. RAMMACHER 06-05-96
 REVISED - T. RAMMACHER 11-04-97
 REVISED - T. RAMMACHER 03-02-98
 REVISED - E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
368	2009-104 RS	COOK	29	24
TC-16		CONTRACT NO. 60170		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

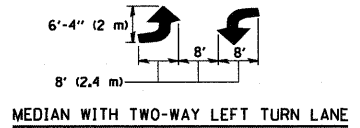
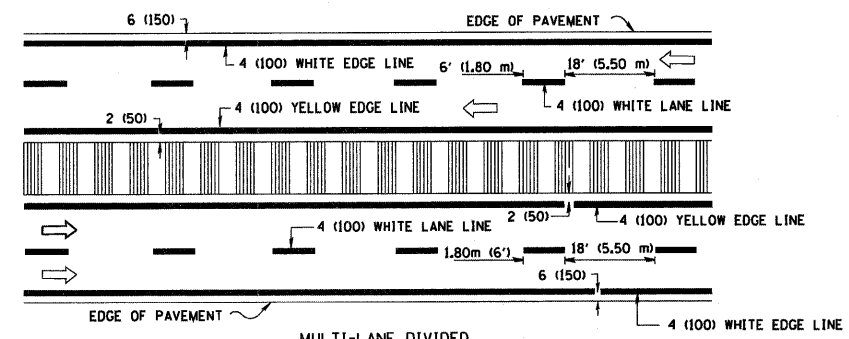
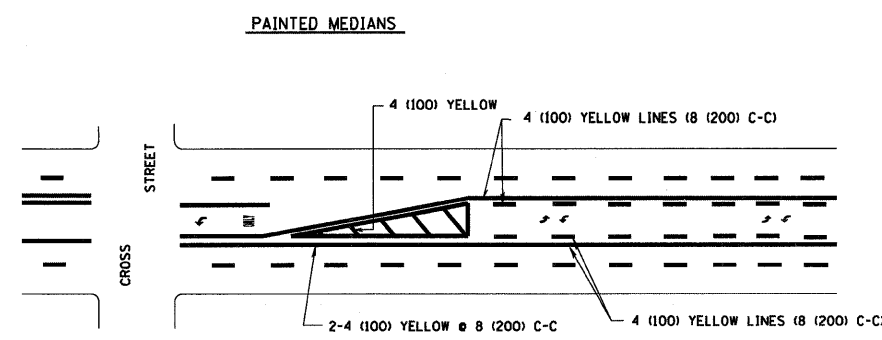
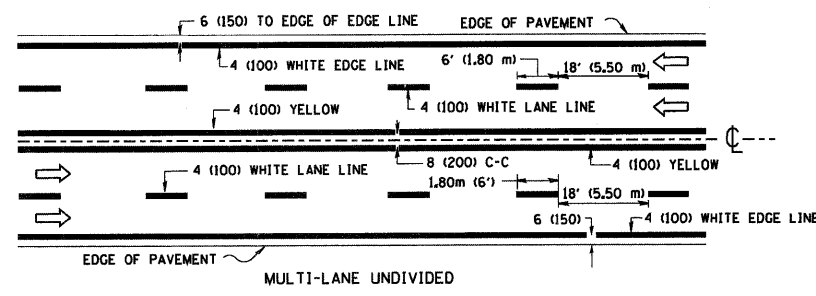
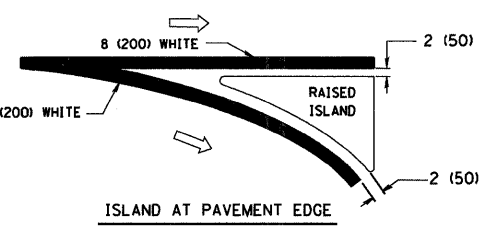
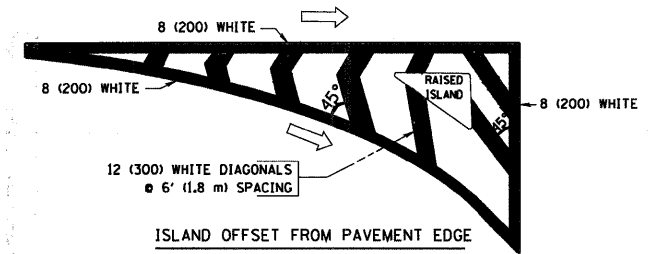
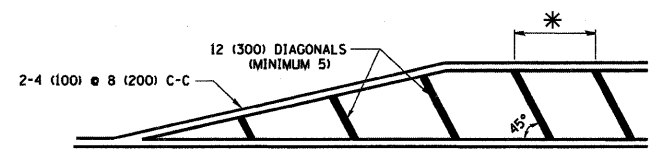
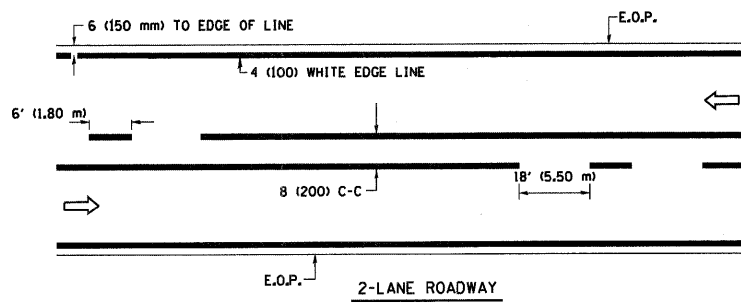


NOTES:

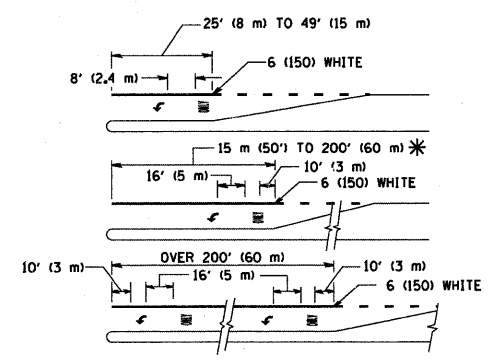
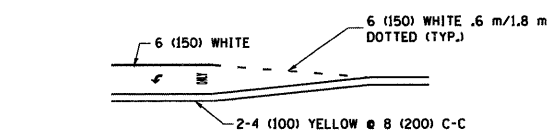
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

FILE NAME = W:\disto\22x34\to22.dgn	USER NAME = gegl1enobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P. RTE. 368	SECTION 2009-104 RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 25	
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			TC-22 CONTRACT NO. 60170					
	PLOT DATE = 1/4/2009	CHECKED -	REVISED - T. RAMMACHER 02-02-99		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								
		DATE -	REVISED - C. JUCIUS 01-31-07										



TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 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".

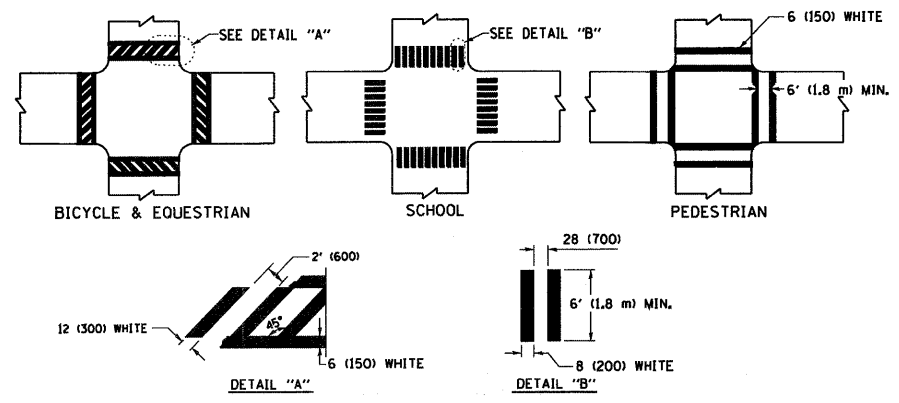
TYPICAL TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES; FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 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) 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' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) 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° 8 (200) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2'-4" (700) 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°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	8 (200) 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; 20' (6.1 m) (LESS THAN 30 MPH (50 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. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

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

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

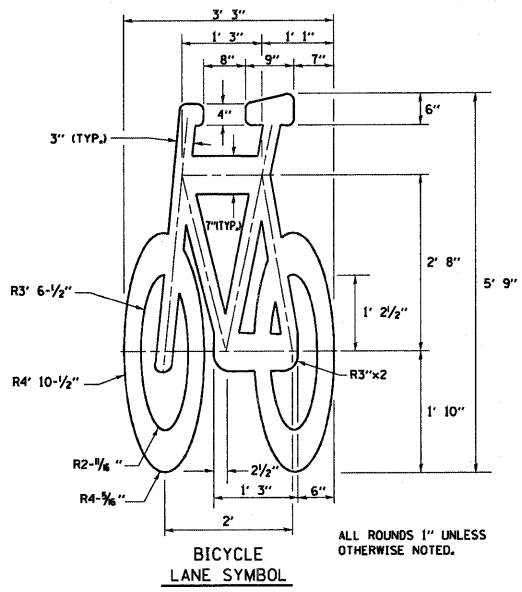
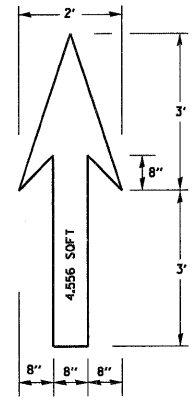
FILE NAME =	USER NAME = gegl1enob	DESIGNED -	REVISED - T. RAMMACHER 12-07-00
W:\diststd\22x34\to24.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

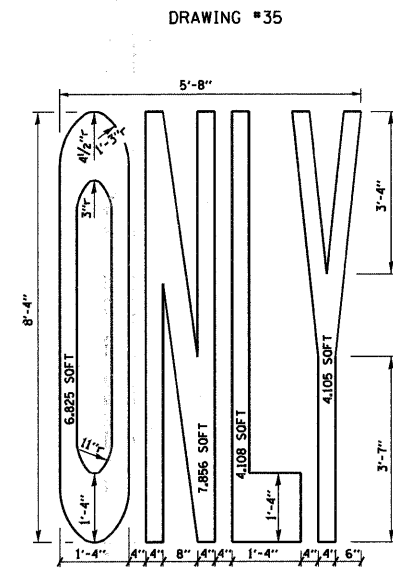
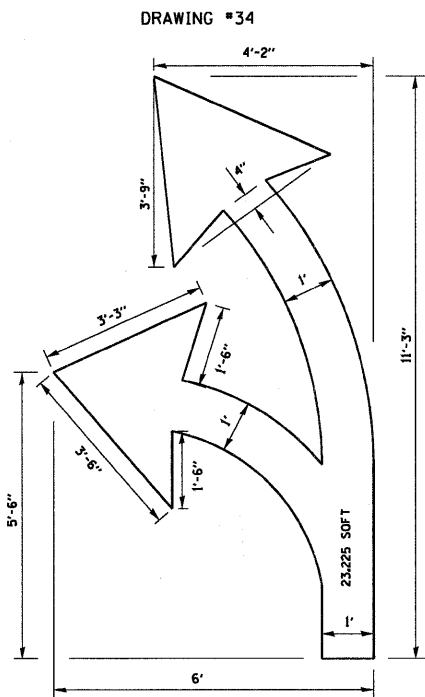
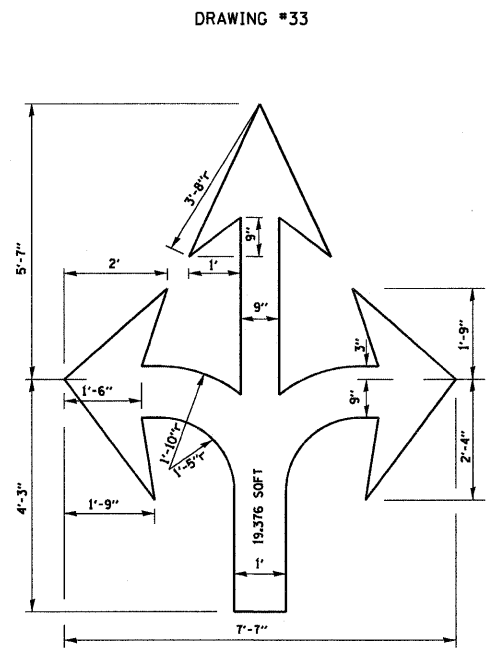
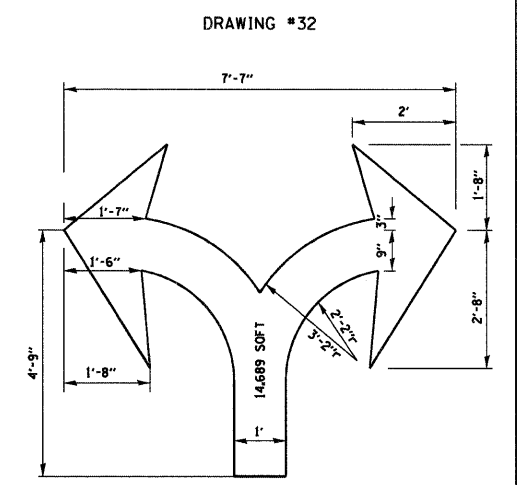
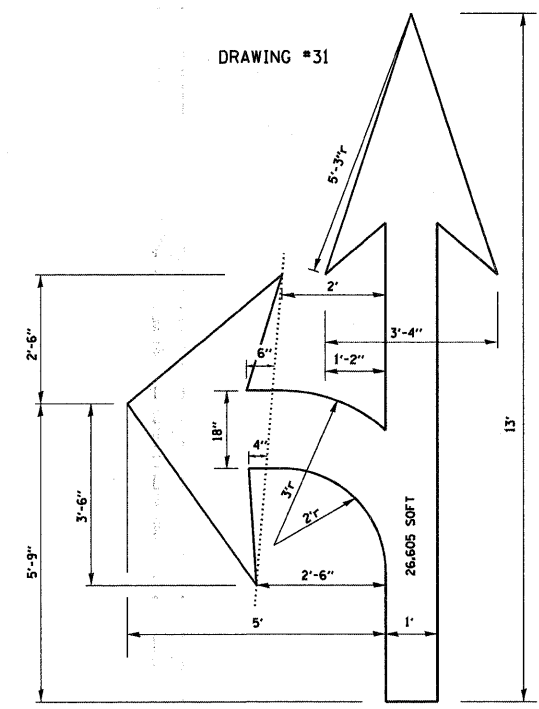
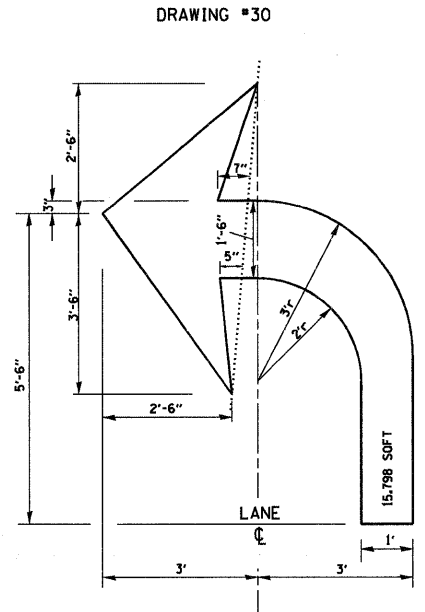
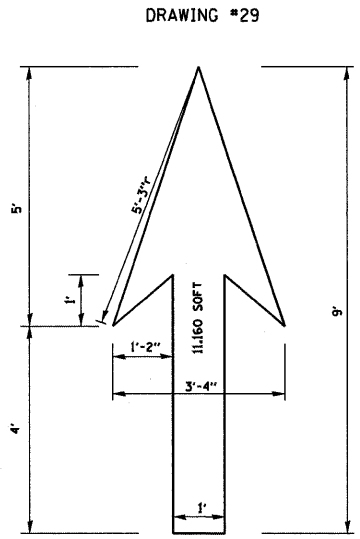
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
368	2009-104 RS	COOK	29	26
TC-24		CONTRACT NO. 60170		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.



NOTE:
 1.) FOR BIKE LANE SYMBOLS ONLY, USE PRE-FORMED THERMOPLASTIC WITH A MINIMUM THICKNESS OF 90 MILS, MINIMUM SKID RESISTANCE VALUE OF 60 BPN, & A MINIMUM INDEX OF REFRACTION OF 1.50.
 2.) THE RESIDENT ENGINEER SHALL CONTACT MR. BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
 DRAWING #28



NOTE:
 ALL MARKINGS SHALL BE SOLID WHITE UNLESS OTHERWISE NOTED IN THE PLANS

FILE NAME = W:\diststd\22x34\to24.dgn	USER NAME = gaglianobt	DESIGNED - DRAWN -	REVISED - REVISED -
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

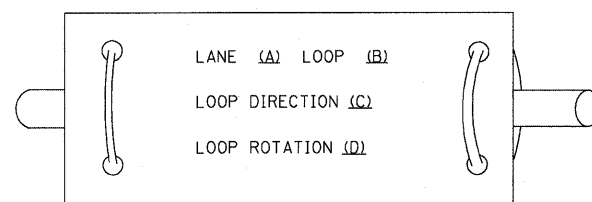
CITY OF CHICAGO			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.

F.A.P. RTE. 368	SECTION 2009-104 RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 27
TC-24		CONTRACT NO. 60170		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

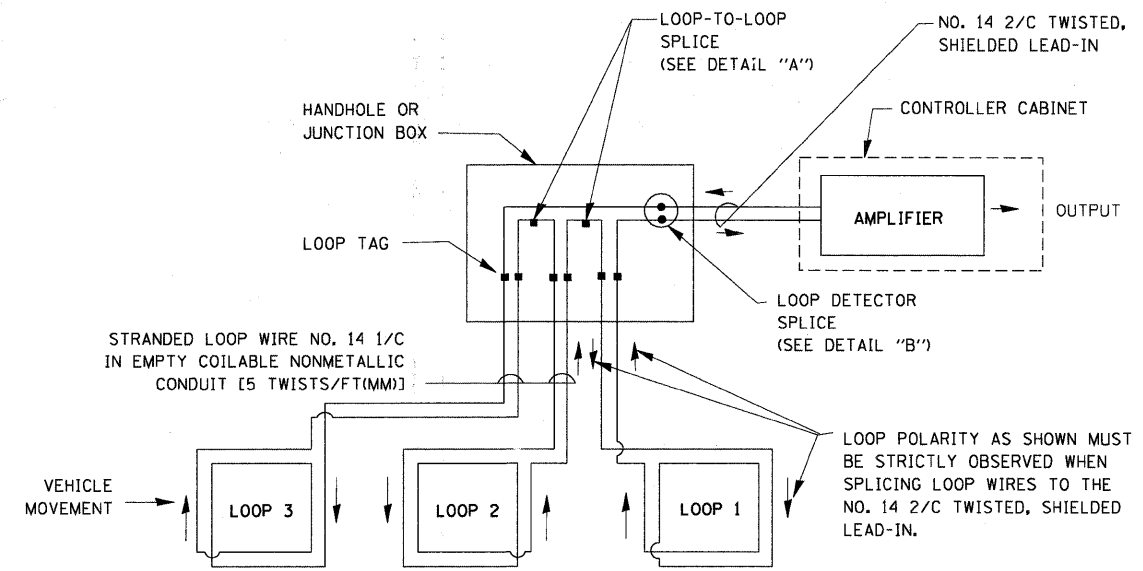
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

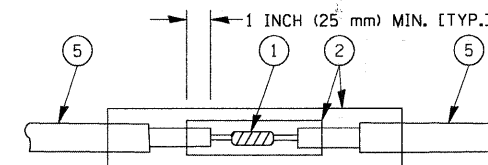


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

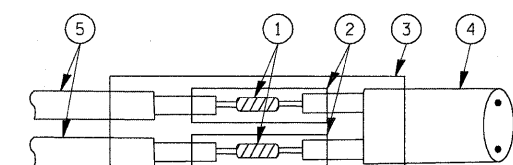


DETECTOR LOOP WIRING SCHEMATIC

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

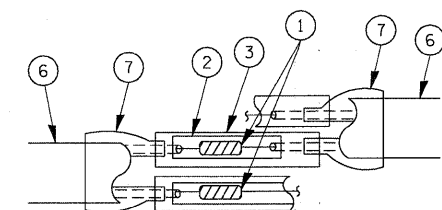


DETAIL "A"
LOOP-TO-LOOP SPLICE

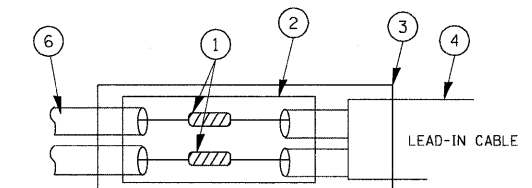


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE 1 LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

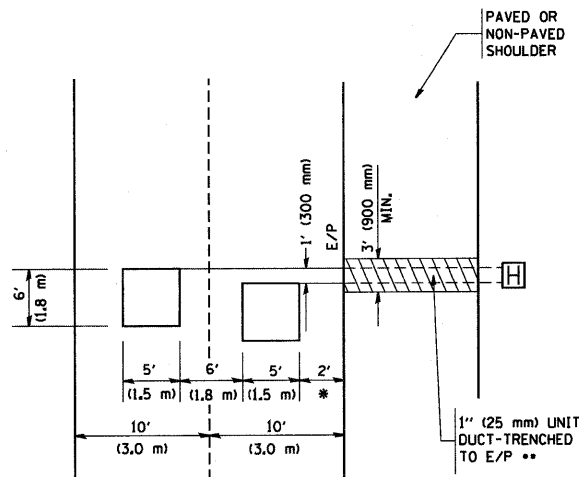
LOOP DETECTOR SPLICE

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

FILE NAME =	USER NAME = bauerdl	DESIGNED - DAD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS			F.A.P. RTE. 368	SECTION 2009-104 RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 28
cs:\pwork\pwidot\BAUERDL\20100315\ts05.dgn		DRAWN - BCK	REVISED -		SCALE: NONE	SHEET NO. 1 OF 6 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 60170		
		CHECKED - DAD	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 10-28-09	REVISED -									

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

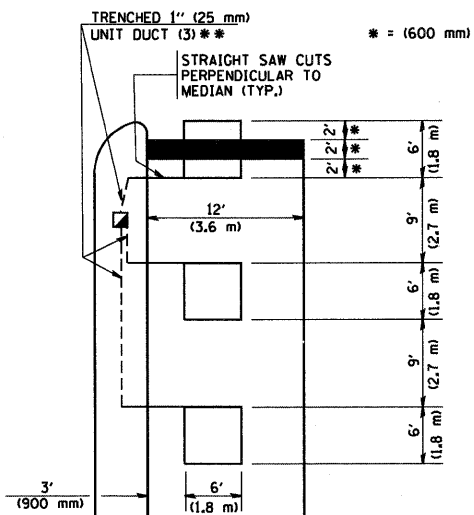


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

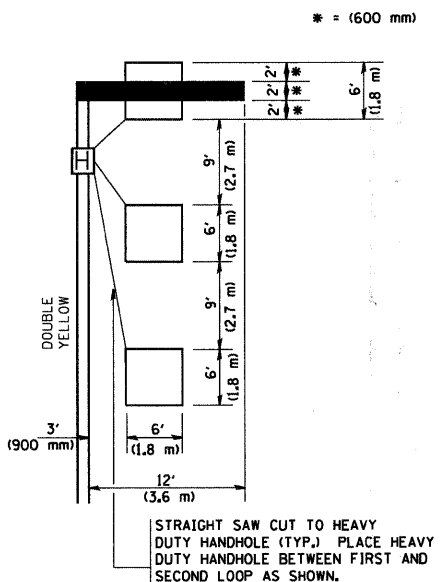
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

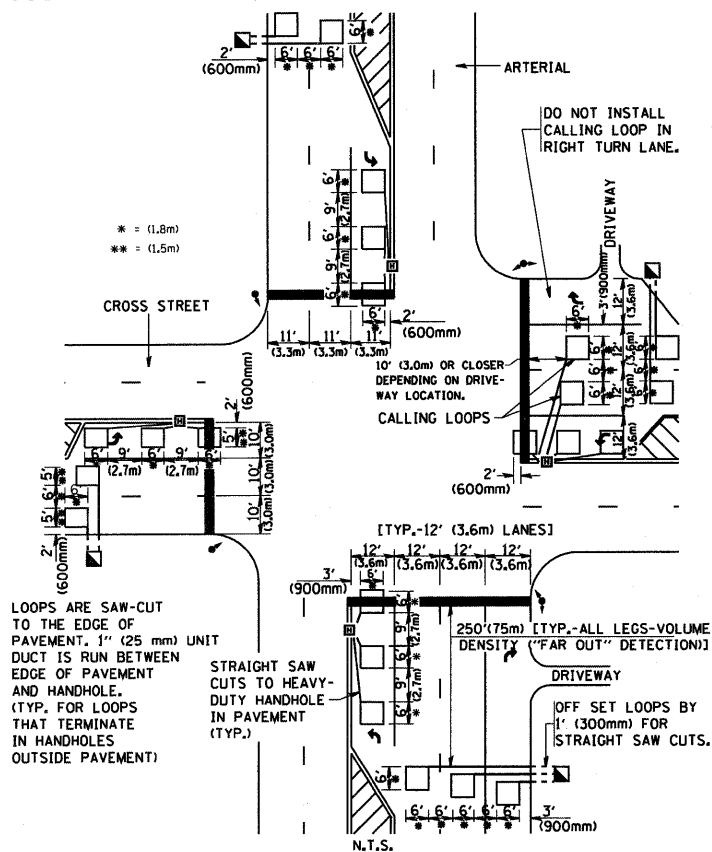
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**



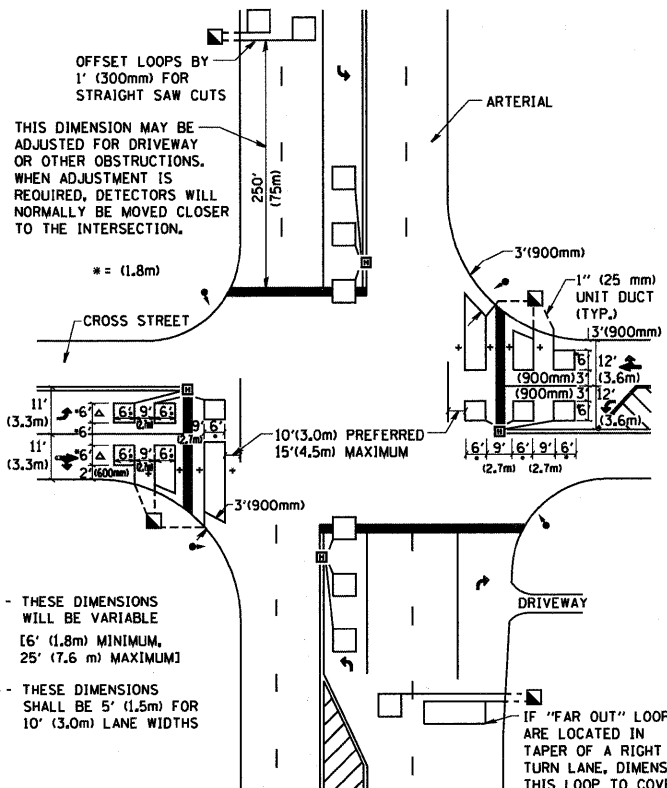
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\diststd\22x34\te07.dgn

USER NAME = geglionobt
PLOT SCALE = 50.0000 / IN.
PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED - R.K.F.
DATE

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

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

F.A.P. RTE. 368	SECTION 2009-104 RS	COUNTY COOK	TOTAL SHEETS 29	SHEET NO. 29
TS-07		CONTRACT NO. 60170		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				