FOR INDEX OF SHEETS, SEE SHEET NO.2
LIST OF STATE STANDARDS LOCATED ON SHEET NO.2

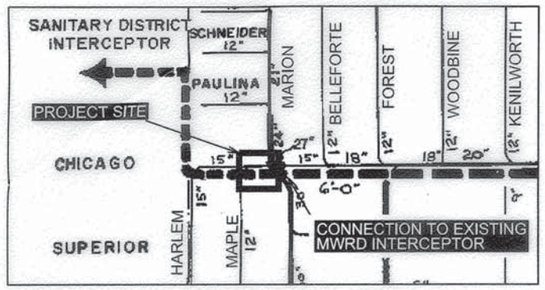
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	1
	ILLINOIS	CONTRACT NO. 61C69		

06-10-2016 LETTING ITME 202

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

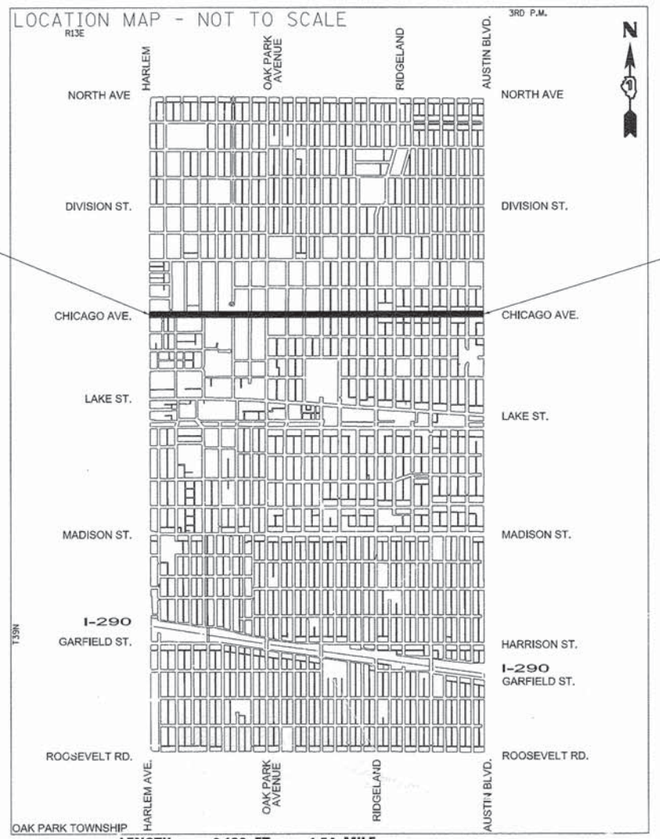
PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 1398 (CHICAGO AVE)
IL-43 (HARLEM AVE) TO AUSTIN BLVD
PAVEMENT RESURFACING
SECTION 15-00263-00-RS
PROJECT M-4003(512)
VILLAGE OF OAK PARK
COOK COUNTY
C-91-319-15



VILLAGE OF OAK PARK SEWERS

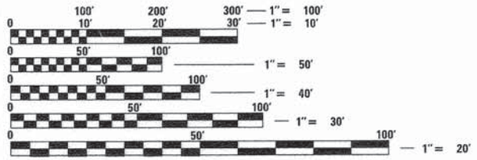
Oak Park



LENGTH = 8,136 FT. = 1.54 MILE

LOCATION OF SECTION INDICATED THUS:- ▬

TRAFFIC DATA:
POSTED SPEED LIMIT 25 MPH
CHICAGO AVE CLASS- MINOR ARTERIAL (URBAN)
CHICAGO FROM HARLEM TO RIDGELAND ADT=11,000 (2014), 11,600 (2040)
CHICAGO FROM RIDGELAND TO AUSTIN ADT=9,650 (2014), 9,700 (2040)



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED February 17 20 16
OAK PARK VILLAGE ENGINEER

PASSED FEBRUARY 17 20 16
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID
BASED ON FEBRUARY 17, 20 16
LIMITED REVIEW
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

WILLIAM M. McKENNA, P.E.
IL. P.E. NO. 062-57167
EXPIRES: 11-30-2017
DATE 2-17-16

WILLIAM M. McKENNA 62-57167 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
SEAL

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E., P.T.O.E. (847)-705-4021 SCHAUMBURG, IL

CONTRACT NO. 61C69

INDEX OF SHEETS

GENERAL NOTES

THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123 OR 811

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS AND SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENTS OF TRANSPORTATION AND THE VILLAGE OF OAK PARK.

THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE VARIOUS CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

ELEVATIONS ARE BASED ON CITY OF CHICAGO DATUM 1929 ADJUSTMENT, WHERE 0.00 C.C.D. = 579.48 FEET ABOVE MEAN SEA LEVEL.

BENCH MARKS ON OLD FIRE HYDRANTS: TOP OF THE FIRST BOLT PAST ARROW HEAD.
BENCH MARKS ON NEWER 4-BOLT HYDRANTS: TOP OF THE SOUTHWEST OR TAGGED BOLT.

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING THE CONSTRUCTION.

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES AND EXISTING PLANTS IS OF UTMOST IMPORTANCE TO THE VILLAGE OF OAK PARK. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER. ANY DAMAGE DONE TO EXISTING TREES AND EXISTING PLANTS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED SHALL BE PROVIDED AT ALL CROSSWALKS, DRIVEWAYS, AND ALLEYS.

THE CONTRACTOR TO MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO ALL PRIVATE AND COMMERCIAL PROPERTIES DURING THE CONSTRUCTION. IF NECESSARY, THE CONTRACTOR TO NOTIFY THE ENGINEER ABOUT SCHEDULED DRIVEWAYS REMOVAL MINIMUM 6 DAYS IN ADVANCE.

THE CONTRACTOR SHALL CONTACT THE VILLAGE OF OAK PARK FOR A WATER METER; FRED BIRING: (708) 358-5747

ACTUAL LOCATION AND SIZE OF BASE PATCHES WILL BE DETERMINED IN THE FIELD. NO COMPENSATION WILL BE ALLOWED FOR UNUSED PATCHING QUANTITIES.

ALL SURFACE AND FULL DEPTH PAVEMENT SAWCUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF REMOVAL ITEMS.

THE CONTRACTOR TO NOTIFY ENGINEER OF ANY ABNORMAL, UNSOUND, AND/OR DETERIORATED CONDITIONS OF PAVEMENT BASES, PIPES AND STRUCTURES WHICH ARE NOT SCHEDULED FOR REMOVAL/REPAIR.

NO SEWER WORK IS ALLOWED PRIOR TO ISSUANCE OF MWRD PERMIT.

UNLESS OTHERWISE DIRECTED, ALL EXISTING DRAIN TILES DISCONNECTED DURING WORK AND NOT SHOWN ON THE PLANS SHALL BE RECONNECTED.

SEWER TRENCHES SHALL BE TEMPORARILY BACKFILLED AT THE END OF WORKING DAY. USE OF A SECURED STEEL PLATE IS ALLOWED ONLY WITH APPROVAL OF THE ENGINEER.

ALL RADII ON ALLEY RETURNS SHALL BE OF 8 FEET, AND ALL RADII ON LOCAL STREET INTERSECTION CORNERS SHALL BE OF 15 FEET, UNLESS OTHERWISE INDICATED.

THE CONTRACTOR TO PROTECT NEWLY INSTALLED PAVEMENTS. ANY PAVEMENT DAMAGED OR VANDALIZED DURING CURING SHALL BE REMOVED AND REPLACED WITH NO ADDITIONAL COMPENSATION.

PROTECTIVE COAT SHALL BE APPLIED TO ALL SIDEWALK, CURB & GUTTER, AND DRIVEWAY PAVEMENT.

CALCULATION RATES FOR SELECTED ITEMS:
BITUM MATERIAL PRIME COAT
0.05 LBS/SQFT FOR MILLED HMA, MILLED CONCRETE
0.025 LBS/SQFT FOR FOG-COAT BETWEEN HMA-LIFTS, IL-4.75 & BRICK
HMA MIXES: 112 LBS/SQYD/INCH

HMA TEMPORARY RAMPS SHALL BE PLACED ON THE PAVEMENT AT ALL ADA RAMPS AFTER MILLING AND LEVEL BINDER, TO TRANSITION FROM THE ADA RAMP TO THE PAVEMENT ELEVATION DURING CONSTRUCTION. THE WIDTH OF TEMPORARY RAMP SHALL MATCH THE WIDTH OF THE ADA RAMP AND BE 2' LONG.

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

TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE ENGINEER SHALL CONTACT MR. JOE ECKERT, AREA TRAFFIC FIELD TECHNICIAN AT (224) 217-8632.

EAST OF RIDGELAND AVE., THERE ARE NUMEROUS CORNERS AND CROSSINGS BUILT WITH DECORATIVE BRICK PAVERS. MOST OF THESE AREAS ARE TO REMAIN. THE CONTRACTOR SHALL PROTECT THESE AREAS AND ALL OTHER DECORATIVE AREAS FROM DAMAGE DUE TO ALL CONSTRUCTION OPERATIONS .AT NO TIME SHALL J.U.L.I.E. MARK THE EXISTING UTILITIES WITH PAINT OR
OTHER PERMANENT MATERIALS ON BRICK PAVERS TO REMAIN. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THESE REQUIREMENTS WITH ALL PROJECT STAKEHOLDERS, INCLUDING BUT NOT LIMITED TO J.U.L.I.E., SUBCONTRACTORS, AND SUPPLIERS. THE CONTRACTOR SHALL PROTECT ALL DECORATIVE PAVEMENTS AND SIDEWALKS FROM DAMAGE FROM HOT MIX ASPHALT, PRIMERS, CONCRETE SLURRY, AND PROTECTIVE COAT. PLYWOOD SHEETING SHALL BE USED FOR PROTECTION WHEN TRACKING OF MATERIALS IS UNAVOIDABLE THE CONTRACTOR SHALL REPAIR OR REPLACE AND DAMAGED AREAS DUE TO CONSTRUCTION AT THE CONTRACTOR'S EXPENSE.

THE CONTRACTOR SHALL NOTIFY THE FRANK LLOYD WRIGHT TRUST 48 HOURS IN ADVANCE OF ALL CONSTRUCTION TO TAKE PLACE IN FRONT OF THE FRANK LLOYD WRIGHT HOME AND STUDIO.

THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL NOT STORE EQUIPMENT OR MATERIALS IN FRONT OF THE FRANK LLOYD WRIGHT HOME & STUDIO, AND NOT IN FRONT OF THE OLIVER WENDELL HOLMES ELEMENTARY SCHOOL.

THE USE OF SIDE-CURB FOR ADA RAMPS SHALL BE AT THE DISCRETION OF THE RESIDENT ENGINEER. SIDE-CURB IS PAID FOR AS SIDEWALK.

THE CONTRACTOR SHALL CONTACT THE VILLAGE OF OAK PARK ASSISTANT VILLAGE ENGINEER, BYRON KUTZ, 708-358-5729 AT LEAST 30 DAYS PRIOR TO ANY SOIL EXCAVATION IN THE FOLLOWING STATIONS: 9+00 TO 10+00, AND 62+50 TO 66+00 IN ORDER TO OBTAIN THE RESPECTIVE HIGHWAY AUTHORITY AGREEMENTS FOR WORK WITH AND DISPOSAL OF CONTAMINATED SOILS.

THE LEVEL BINDER (BINDER) MUST BE PLACED IN TWO (2) PASSES WITH A JOINT LOCATED WITHIN THREE INCHES (3") OF THE CENTERLINE OF THE PAVEMENT. THE CONTRACTOR WILL BE REQUIRED TO SCHEDULE HIS OPERATIONS SO THAT NO SECTIONS OF PAVEMENT ALONG THE CENTERLINE WILL HAVE A COLD JOINT OVERNIGHT. THE HMA SURFACE MUST BE PLACED IN TWO (2) PASSES WITH A JOINT LOCATED AT THE CENTERLINE OF THE PAVEMENT.THE CONTRACTOR WILL BE REQUIRED TO SCHEDULE HIS OPERATIONS SO THAT NO SECTIONS OF PAVEMENT ALONG THE CENTERLINE WILL HAVE A COLD JOINT OVERNIGHT.

SODDING LIMITS TO BE AT THE DISCRETION OF THE RESIDENT ENGINEER.

HOT-MIX ASPHALT LONGITUDINAL HOINT SEALANT TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-01	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-02	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602001-02	CATCH BASIN TYPE A
602301-04	INLET TYPE A
602401-03	MANHOLE TYPE A
602501-02	VALVE VAULT TYPE A
604001-03	FRAME AND LIDS TYPE 1
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701427-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS<= 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-05	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS

DISTRICT ONE DETAILS

TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING
BD-08	FRAMES AND LIDS ADJUSTEMENT WITH MILLING; AND FRAMES AND LIDS ADJUSTMENT WITHOUT MILLING
BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD-32	BUTT JOINTS AND HMA TAPER
BD-33	HMA TAPER AT EDGE OF PCC PAVEMENT
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING
BM-20	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE

COMMITMENTS

NONE: 2/2/2016

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS at N_{DES}
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) (THICKNESS 1.5", 2 1/4")	4% @ 70 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 (THICKNESS 1")	3.5% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (THICKNESS 2 1/4")	4% @ 70 GYR
TEMPORARY RAMP (HMA BINDER IL-19) (THICKNESS VAR.)	4% @ 50 GYR
INCIDENTAL HOT-MIX ASPHALT SURFACING: MIX "D", N70 (IL-9.5mm) (THICKNESS 2" & VAR.)	4% @ 70 GYR
MIXTURE FOR CRACKS, JOINTS, FLANGEWAYS (THICKNESS VAR.)	
CLASS C PATCHES (10")	
CLASS D PATCHES, 10 INCH: MIX "D", N70 (IL-9.5mm)	4% @ 70 GYR

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

NOTE 3: FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.

NOTE 4: FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

FILE NAME = 2-sht-gennote.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 3/24/2016	DATE - 3/25/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
INDEX OF SHEETS, GENERAL NOTES & STANDARDS
SCALE: | SHEET 2 OF SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	2
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003 (512)			

A. REFERENCED SPECIFICATIONS

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:
   * STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;
   * VILLAGE OF OAK PARK MUNICIPAL CODE;
   * THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;
   * IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

B. NOTIFICATIONS

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).

2. THE VILLAGE OF OAK PARK ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.

3. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

C. GENERAL NOTES

1. THE ELEVATION DATUM IS CITY OF CHICAGO DATUM WHICH IS ESTABLISHED AS 0.00 C.C.D. = 579.48 FEET ABOVE MEAN SEA LEVEL (1929 ADJUSTMENT).

2. MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS. THE PROPOSED WORK IS NOT WITHIN FLOOD PROTECTION AREAS.

3. THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.

4. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.

5. THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.

6. ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

7. MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.

8. THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.

9. ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.

10. RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

D. SANITARY SEWER

1. THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.

2. A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.

3. DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
4. ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).

5. ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.

6. ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.

7. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE		
6-INCH TO 15-INCH DIAMETER SDR 26	ASTM D-3034	ASTM D-3212
18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM F-679	ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC		
4-INCH TO 36-INCH	ASTM D-2241	ASTM D-2672 OR ASTM D-3139
4-INCH TO 12-INCH	AWWA C900	ASTM D-3212
14-INCH TO 48-INCH	AWWA C905	ASTM D-3212

8. ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE ¼ " TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.

9. "BAND SEAL" OR SIMILAR NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR MATERIALS.

10. BELOW THE FLOOD PROTECTION ELEVATION (FPE = BFE + 2 FEET), ALL SANITARY SEWER MANHOLES AND STRUCTURES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.

11. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:
    a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SHEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.
    b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
    c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.

12. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATERMAIN, THE SEWER SHALL BE CONSTRUCTED TO WATERMAIN STANDARDS.

13. ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.

14. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.

15. ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.

16. ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.

17. EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.

18. A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

E. EROSION AND SEDIMENT CONTROL

1. THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.

2. EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.

3. ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.

4. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

5. INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:
    a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.
    b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.

6. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.

7. A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT?OF?WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

8. CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.

9. TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.

10. DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.

11. ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).

12. VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.

13. SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.

14. EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.

15. STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.

16. THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER.

17. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.

18. THE CONTRCTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMAINS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.

19. ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.

20. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.

21. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.

22. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.

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		DRAWN - DPS	REVISED -
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	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
MWRD GENERAL NOTES

SCALE: | SHEET OF SHEETS | STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	3
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
		20101000	TEMPORARY FENCE	FOOT	350	350			
		20101100	TREE TRUNK PROTECTION	EACH	15	15			
**		20101200	TREE ROOT PRUNING	EACH	25	25			
		20101700	SUPPLEMENTAL WATERING	UNIT	1	1			
		20200100	EARTH EXCAVATION	CU YD	100	100			
		20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100	100			
		20800150	TRENCH BACKFILL	CU YD	100	100			
**		21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1200	1200			
**		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	15	15			
**		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	15	15			
**		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	15	15			
**	*	25200100	SODDING	SQ YD	1200	1200			
**		25200200	SUPPLEMENTAL WATERING	UNIT	34	34			
		28000510	INLET FILTERS	EACH	90	90			

* DENOTES A SPECIAL PROVISION (S.P.) **DENOTES A SPECIALTY ITEM (S.I.)

FILE NAME = 4_SQQ_1.dgn Default	USER NAME = dsmith PLOT SCALE = 20.0000 '/ in. PLOT DATE = 2/2/2016	DESIGNED - BDK DRAWN - DPS CHECKED - BDK DATE - 2/2/2016	REVISED - REVISED - REVISED - REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SUMMARY OF QUANTITIES

SCALE: | SHEET 1 OF 12 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	4
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
		31101180	SUBBASE GRANULAR MATERIAL, TYPE B 2"	SQ YD	1500	1500			
		31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	970	970			
		31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	960	960			
		31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	25	25			
		31102500	SUBBASE GRANULAR MATERIAL, TYPE C 8"	SQ YD	400	400			
		35300100	PORTLAND CEMENT CONCRETE BASE COURSE 6"	SQ YD	285	285			
		35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	40	40			
		35301000	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE 7"	SQ YD	250	250			
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	35	35			
		40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	29700	29700			
		40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	5	5			
		40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1975	1975			
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1100	1100			
		40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	10	10			

• DENOTES A SPECIAL PROVISION (S.P.) ••DENOTES A SPECIALTY ITEM (S.I.)

FILE NAME = 5_SQQ_2.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CHICAGO AVENUE SUMMARY OF QUANTITIES**	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - DPS	REVISED -			1398	15-00263-00-RS	COOK	96	5
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -		SCALE: SHEET 2 OF 12 SHEETS STA. TO STA.			CONTRACT NO. 61C69		
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -					ILLINOIS FED. AID PROJECT M-4003(512)		

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
		40600990	TEMPORARY RAMP	SQ YD	700	700			
		40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1380	1380			
		40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	5200	5200			
		40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	20	20			
		40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	10	10			
		42000400	PORTLAND CEMENT CONCRETE PAVEMENT 9"	SQ YD	65	65			
		42001300	PROTECTIVE COAT	SQ YD	2500	2500			
		42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	50	50			
		42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	10	10			
		42300500	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 9 INCH	SQ YD	60	60			
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	13500	13500			
		44000100	PAVEMENT REMOVAL	SQ YD	520	520			
		44000162	HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"	SQ YD	34000	34000			
		44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	9150	9150			

• DENOTES A SPECIAL PROVISION (S.P.) ••DENOTES A SPECIALTY ITEM (S.I.)

FILE NAME = 6_SOQ_3.dgn
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SUMMARY OF QUANTITIES

SCALE: | SHEET 3 OF 12 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	6
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	120	120			
		44000300	CURB REMOVAL	FOOT	200	200			
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5100	5100			
		44000600	SIDEWALK REMOVAL	SQ FT	17750	17750			
		44201298	DOWEL BARS 1 1/4"	EACH	100	100			
		44201349	CLASS C PATCHES, TYPE I, 10 INCH	SQ YD	50	50			
		44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	250	250			
		44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	250	250			
		44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	250	250			
		44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	14	14			
		44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	20	20			
		44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	46	46			
		44213200	SAW CUTS	FOOT	300	300			
		44213204	TIE BARS 3/4"	EACH	120	120			

* DENOTES A SPECIAL PROVISION (S.P.) **DENOTES A SPECIALTY ITEM (S.I.)

FILE NAME = 7_S00_4.dgn Default	USER NAME = dsmith PLOT SCALE = 20.0000 ' / in. PLOT DATE = 3/24/2016	DESIGNED - BDK DRAWN - DPS CHECKED - BDK DATE - 3/25/2016	REVISED - REVISED - REVISED - REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**CHICAGO AVENUE** **SUMMARY OF QUANTITIES** SCALE: SHEET 4 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	7
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
		44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	250	250			
		60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3			
		60255500	MANHOLES TO BE ADJUSTED	EACH	50	50			
		60257900	MANHOLES TO BE RECONSTRUCTED	EACH	7	7			
		60266600	VALVE BOXES TO BE ADJUSTED	EACH	30	30			
		60400105	FRAMES, TYPE 1	EACH	40	40			
	*	60403700	LIDS, TYPE 1, OPEN LID	EACH	50	50			
	*	60403800	LIDS, TYPE 1, CLOSED LID	EACH	15	15			
		60500205	FILLING CATCH BASINS	EACH	1	1			
		60600605	CONCRETE CURB, TYPE B	FOOT	375	375			
		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5100	5100			
**		66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	25		25		
**		66900210	HAZARDOUS WASTE DISPOSAL	CU YD	25		25		
**		66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GAL	500		500		

* DENOTES A SPECIAL PROVISION (S.P.) **DENOTES A SPECIALTY ITEM (S.I.)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SUMMARY OF QUANTITIES

SCALE: | SHEET 5 OF 12 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	8
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
**		66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1		1		
**		66900530	SOIL DISPOSAL ANALYSIS	EACH	1		1		
		67100100	MOBILIZATION	L SUM	1	1			
		70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	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			
		70102633	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	EACH	4	4			
		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	14000	14000			
		70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	4666	4666			
		70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	100	100			
		70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	250	250			
		70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	100	100			

* DENOTES A SPECIAL PROVISION (S.P.) **DENOTES A SPECIALTY ITEM (S.I.)

FILE NAME = 9_S00_6.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO AVENUE SUMMARY OF QUANTITIES
		DRAWN - DPS	REVISED -		
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Default	PLOT DATE = 3/24/2016	DATE - 3/25/2016	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	9
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
		72000100	SIGN PANEL - TYPE 1	SQ FT	10		10		
		72300100	INSTALL EXISTING SIGN PANEL	SQ FT	90		90		
		72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	95		95		
		73700100	REMOVE GROUND MOUNTED SIGN SUPPORT	EACH	1		1		
**		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1450	1450			
**		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	22000	22000			
**		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	15000	15000			
**		78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3200	3200			
**		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	600	600			
**		78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	25	25			
**		78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	15	15			
**		78006100	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1605	1605			
**		78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	10	10			
		78300100	PAVEMENT MARKING REMOVAL	SQ FT	100	100			

* DENOTES A SPECIAL PROVISION (S.P.) **DENOTES A SPECIALTY ITEM (S.I.)

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CHICAGO AVENUE
SUMMARY OF QUANTITIES

SCALE: | SHEET 7 OF 12 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	10
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE / STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
**		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	10			
**		80400100	ELECTRIC SERVICE INSTALLATION	EACH	1		1		
**	*	80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1		1		
**		81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	380		380		
**		81028230	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	76		76		
**		81400100	HANDHOLE	EACH	3		3		
**		81603598	UNIT DUCT, 600V, 6-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	1890		1890		
**		82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1		1		
**		83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	276		276		
**	*	85000300	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	LSUM	1	1			
**	*	88600600	DETECTOR LOOP REPLACEMENT	FOOT	1350	1350			
**	*	88600700	PREFORMED DETECTOR LOOP	FOOT	350	350			
**		A2004824	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	2			2	

* DENOTES A SPECIAL PROVISION (S.P.) **DENOTES A SPECIALTY ITEM (S.I.)

FILE NAME = 11_SQQ_8.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO AVENUE SUMMARY OF QUANTITIES
		DRAWN - DPS	REVISED -		
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -		SCALE: SHEET 8 OF 12 SHEETS STA. TO STA.
	PLOT DATE = 3/24/2016	DATE - 3/25/2016	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	11
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

						CONSTRUCTION CODE			
						STP FUNDS			
S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% LOCAL	80% FED 20% LOCAL	100% LOCAL	80% FED 20% LOCAL
						ROADWAY	SAFETY	LANDSCAPING	TRAINEES
						0005	0021	0031	0042
						URBAN	URBAN	URBAN	URBAN
**	*	A2008748	TREE, ULMUS X FRONTIER (FRONTIER ELM), 3" CALIPER, BALLED AND BURLAPPED,	EACH	3			3	
			MATCHING HEADS						
**		C2C01024	SHRUB, BUXUS MICROPHYLLA WINTERGREEN (WINTERGREEN LITTLELEAF BOXWOOD), 2' HEIGHT,	EACH	19			19	
			CONTAINER						
**		K0012970	PERENNIAL PLANTS, BULB TYPE	UNIT	0.7			0.7	
**		K0012980	PERENNIAL PLANTS, ORNAMENTAL TYPE, QUART POT	UNIT	0.73			0.73	
	*	X0300635	PLANTER	EACH	21			21	
	*	X0322102	TEMPORARY SIDEWALK RAMP	EACH	25	25			
	*	X0322329	TIMBER CURB REMOVAL	FOOT	26	26			
	*	X0322463	CONNECTION TO EXISTING SEWER	EACH	2	2			
**	*	X0323117	LANDSCAPING GRAVEL	SQ YD	3			3	
	*	X0323706	TRASH RECEPTACLE RELOCATION	EACH	6			6	
**	*	X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	12		12		
	*	X0326863	BRICK SIDEWALK	SQ FT	160	160			

* DENOTES A SPECIAL PROVISION (S.P.) **DENOTES A SPECIALTY ITEM (S.I.)

FILE NAME = 12_S00_9.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO AVENUE SUMMARY OF QUANTITIES
		DRAWN - DPS	REVISED -		
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -		SCALE: SHEET 9 OF 12 SHEETS STA. TO STA.
	PLOT DATE = 3/24/2016	DATE - 3/25/2016	REVISED -		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	12
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
	*	X0326864	BRICK SIDEWALK REMOVAL	SQ FT	2800	2800			
	*	X0327146	RELOCATE BIKE RACK	EACH	6			6	
	*	X0327149	RELOCATE BENCH	EACH	4			4	
	*	X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	3315	3315			
	*	X0327727	PLANTER REMOVAL	LSUM	1			1	
	*	X0540000	BRICK PAVERS	SQ FT	2250	2250			
	*	X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	7050	7050			
	*	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	1075	1075			
	*	X440A300	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (COLD MILLING) VARIABLE DEPTH	SQ YD	25	25			
	*	X4421000	PARTIAL DEPTH PATCHING	TON	10	10			
	*	X5810100	WATERPROOFING MEMBRANE SYSTEM (SPECIAL)	SQ YD	24			24	
	*	X6020399	CONNECTION TO EXISTING MANHOLE	EACH	1	1			
	*	X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	131	131			
	*	X6060505	CONCRETE CURB (SPECIAL)	FOOT	725	725			

* DENOTES A SPECIAL PROVISION (S.P.) **DENOTES A SPECIALTY ITEM (S.I.)

FILE NAME = 13_SQQ_10.dgn Default	USER NAME = dsmith PLOT SCALE = 20.0000 ' / in. PLOT DATE = 3/24/2016	DESIGNED - BDK DRAWN - DPS CHECKED - BDK DATE - 3/25/2016	REVISED - REVISED - REVISED - REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**CHICAGO AVENUE** **SUMMARY OF QUANTITIES** SCALE: SHEET 10 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	13
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
	*	X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	10		10		
	*	X7280105	TELESCOPING STEEL SIGN SUPPORT (SPECIAL)	FOOT	75		75		
	*	X7310110	BASE FOR TELESCOPING SIGN SUPPORT, SPECIAL	EACH	5		5		
**	*	X8140115	HANDHOLE TO BE ADJUSTED	EACH	18	18			
**	*	X8410102	TEMPORARY LIGHTING SYSTEM	LSUM	1		1		
**	*	X8850107	INDUCTIVE LOOP DETECTOR, RACK MOUNT WITH SYSTEM OUTPUT	EACH	5	5			
	*	XX000406	BRICK PAVER REMOVAL AND REPLACEMENT	SQ FT	15	15			
	*	XX005735	PLANTER CURB	FOOT	105			105	
**	*	XX007468	PEDESTRAIN ST LIGHT	EACH	11		11		
	*	XX007857	TRASH RECEPTACLE, FURNISH & INSTALL	EACH	6			6	
**	*	XX007980	PLANTING SOIL, FURNISH AND PLACE 24"	SQ YD	43			43	
**	*	XX008085	PAINT PAVEMENT MARKING - SPECIAL	EACH	25	25			
	*	Z0003850	BENCHES	EACH	13			13	
	*	Z0003855	BICYCLE RACKS	EACH	12			12	

* DENOTES A SPECIAL PROVISION (S.P.) **DENOTES A SPECIALTY ITEM (S.I.)

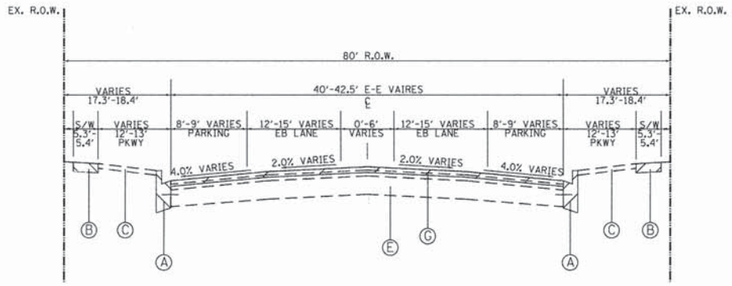
FILE NAME = 14_SOO_11.dgn Default	USER NAME = dsmith PLOT SCALE = 20.0000 '/ in. PLOT DATE = 3/24/2016	DESIGNED - BDK DRAWN - DPS CHECKED - BDK DATE - 3/25/2016	REVISED - REVISED - REVISED - REVISED -	**STATE OF ILLINOIS** **DEPARTMENT OF TRANSPORTATION**	**CHICAGO AVENUE** **SUMMARY OF QUANTITIES** SCALE: SHEET 11 OF 12 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	14
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

S. I.	S. P.	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE STP FUNDS 80% FED 20% LOCAL ROADWAY 0005 URBAN	80% FED 20% LOCAL SAFETY 0021 URBAN	100% LOCAL LANDSCAPING 0031 URBAN	80% FED 20% LOCAL TRAINEES 0042 URBAN
	*	Z0007120	WELDED WIRE FABRIC 6X6	SQ YD	1150	1150			
	*	Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1			
	*	Z0018900	DRILL AND GROUT DOWEL BARS	EACH	275	275			
	*	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	130	130			
**	*	Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	4		4		
	*	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	8136	8136			
	*	Z0034100	MASONRY WALL CONSTRUCTION	SQ FT	60			60	
	*	Z0036800	PARKING METERS TO BE MOVED	EACH	10	10			
	*	Z0056604	STORM SEWER (WATER MAIN REQUIREMENTS) 8 INCH	FOOT	120	120			
	*	Z0076600	TRAINEES	HOUR	500				500
	*	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500				500

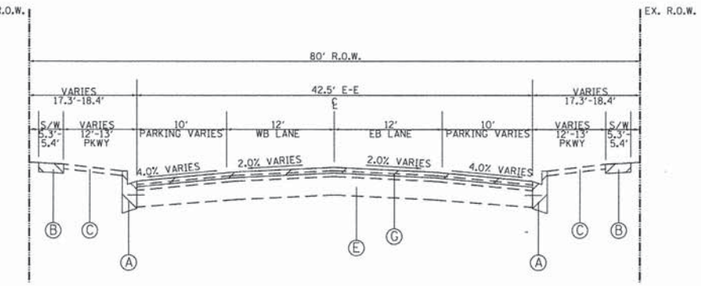
* DENOTES A SPECIAL PROVISION (S.P.) **DENOTES A SPECIALTY ITEM (S.I.)

FILE NAME = 15_S00_12.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO AVENUE SUMMARY OF QUANTITIES			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - DPS	REVISED -					1398	15-00263-00-RS	COOK	96	15
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -							CONTRACT NO. 61C69		
	PLOT DATE = 3/24/2016	DATE - 3/25/2016	REVISED -		SCALE:	SHEET 12 OF 12 SHEETS	STA. TO STA.		ILLINOIS	FED. AID PROJECT M-4003(512)		



EXISTING TYPICAL SECTION

STA 9+86 TO STA 18+67

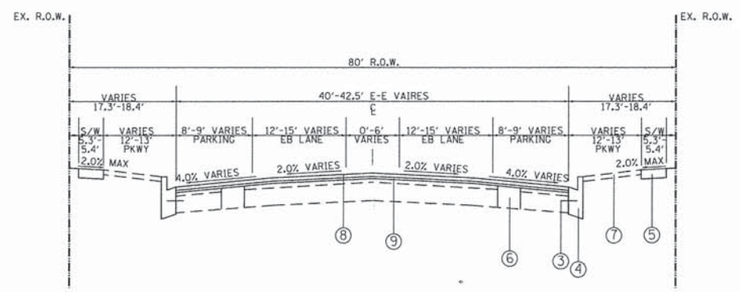


EXISTING TYPICAL SECTION

STA 18+67 TO STA 26+00

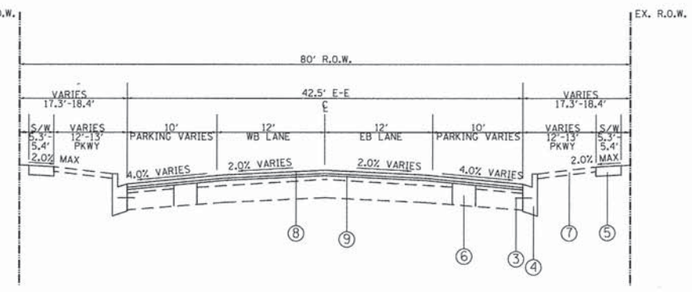
EXISTING LEGEND

- Ⓐ COMBINATION CURB AND GUTTER REMOVAL (REFER TO PLANS FOR LOCATIONS)
- Ⓑ SIDEWALK REMOVAL (REFER TO PLANS FOR LOCATIONS)
- Ⓒ EXISTING PARKWAY
- Ⓓ HOT-MIX ASPHALT SURFACE REMOVAL, 3 1/4"
- Ⓔ EXISTING P.C.C. BASE COURSE ± 10"
- Ⓕ EXISTING HMA BINDER COURSE
- Ⓖ HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"



PROPOSED TYPICAL SECTION NO.1

STA 9+86 TO STA 18+67



PROPOSED TYPICAL SECTION NO.2

STA 18+67 TO STA 26+00

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 2 1/4"
- ② POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 1"
- ③ DRILL AND GROUT 3/4" EPOXY COATED TIE BARS AT 24" C-C (INCLUDED IN COST OF COMBINATION CURB & GUTTER) (BD-24)
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑥ CLASS C PATCH, 10 INCH
- ⑦ TOPSOIL EXCAVATION AND PLACEMENT; SODDING
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 1 1/2"
- ⑨ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 1/4"

NOT TO SCALE

FILE NAME = 16_Typical Sections_1.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

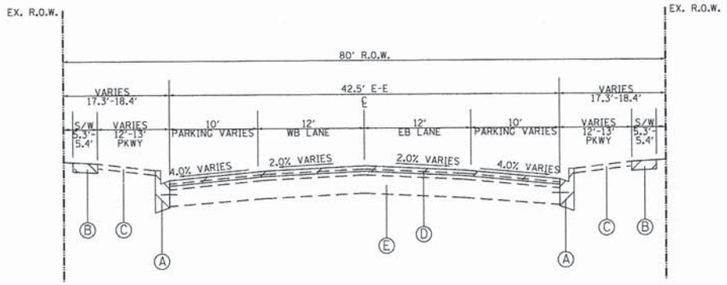
EXISTING AND PROPOSED TYPICAL SECTIONS
CHICAGO AVENUE

SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	16

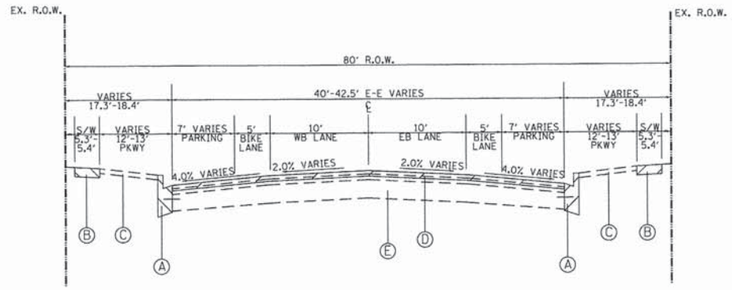
CONTRACT NO. 61C69

ILLINOIS | FED. AID PROJECT M-4003 (512)



EXISTING TYPICAL SECTION

STA 26+00 TO STA 38+42

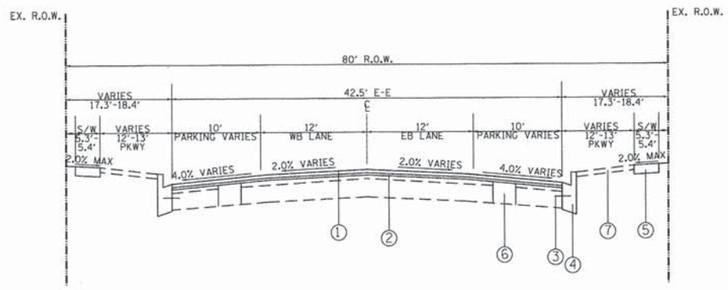


EXISTING TYPICAL SECTION

STA 38+42 TO STA 91+22

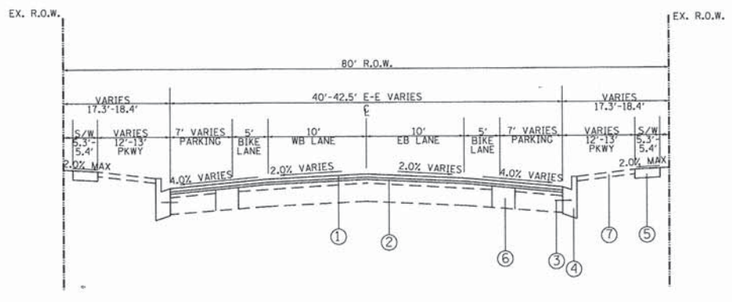
EXISTING LEGEND

- Ⓐ COMBINATION CURB AND GUTTER REMOVAL (REFER TO PLANS FOR LOCATIONS)
- Ⓑ SIDEWALK REMOVAL (REFER TO PLANS FOR LOCATIONS)
- Ⓒ EXISTING PARKWAY
- Ⓓ HOT-MIX ASPHALT SURFACE REMOVAL, 3¼"
- Ⓔ EXISTING P.C.C. BASE COURSE ± 10"
- Ⓕ EXISTING HMA BINDER COURSE
- Ⓖ HOT-MIX ASPHALT SURFACE REMOVAL, 3 ¾"



PROPOSED TYPICAL SECTION NO.3

STA 26+00 TO STA 38+42



PROPOSED TYPICAL SECTION NO.4

STA 38+42 TO STA 91+22

PROPOSED LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 2¼"
- ② POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 1"
- ③ DRILL AND GROUT ¾" EPOXY COATED TIE BARS AT 24" C-C (INCLUDED IN COST OF COMBINATION CURB & GUTTER) (BD-24)
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- ⑥ CLASS C PATCH, 10 INCH
- ⑦ TOPSOIL EXCAVATION AND PLACEMENT; SODDING
- ⑧ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70; 1 ½"
- ⑨ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 2 ¼"

NOT TO SCALE

FILE NAME = 17_Typical Sections_2.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED TYPICAL SECTIONS
CHICAGO AVENUE

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	17
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003 (512)			

UTILITY STRUCTURE SCHEDULE

LOCATION			TYPE	MANHOLES TO BE ADJUSTED (60255500)	MANHOLES TO BE RECONSTRUCTED (60257900)	VALVE BOXES TO BE ADJUSTED (60266600)	FRAMES, TYPE 1 (60400105)	LIDS, TYPE 1, OPEN LID (60403700)	LIDS, TYPE 1, CLOSED LID (60403800)	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)	HANDHOLE TO BE ADJUSTED (X8140115)
STA	OFFSET	SIDE									
9+87.81	51.19	LT	STORM INLET	1			1	1			
10+07.98	27.61	LT	STORM INLET	1			1	1			
10+10.26	35.85	RT	HANDHOLE								1
10+12.46	31.48	LT	VALVE BOX			1					
10+28.42	1.48	RT	HANDHOLE								1
10+44.99	23.43	RT	STORM INLET	1				1			
10+47.40	1.28	LT	MANHOLE							1	
11+50.27	23.71	RT	STORM INLET								
13+02.48	13.61	LT	WATER VALVE VAULT							1	
13+14.84	17.1	LT	MANHOLE							1	
13+17.56	31.23	LT	VALVE BOX			1					
13+23.48	0.61	LT	MANHOLE							1	
13+32.67	31.16	LT	WATER VALVE VAULT							1	
13+55.93	25.67	RT	STORM INLET	1			1	1			
13+69.95	26.57	LT	STORM INLET		1		1	1			
14+54.59	31.23	RT	HANDHOLE								1
14+75.96	31.93	RT	VALVE BOX			1					
14+77.26	15.1	LT	VALVE BOX			1					
14+84.82	44.93	LT	VALVE BOX			1					
15+08.17	0.19	RT	MANHOLE							1	
15+32.44	41.64	LT	ELECTRIC HANDHOLE								1
15+59.44	31.23	RT	HANDHOLE								1
15+87.37	32.98	RT	HANDHOLE								2
15+89.65	26.76	LT	STORM INLET								
16+03.70	28.67	RT	ELECTRIC HANDHOLE								1
16+04.21	31.38	LT	VALVE BOX			1					
16+07.94	39.01	LT	VALVE BOX			1					
16+17.99	18.73	RT	MANHOLE							1	
16+18.42	0.2	RT	MANHOLE							1	
16+18.98	26.99	LT	MANHOLE							1	
16+29.62	0.53	LT	MANHOLE							1	
16+37.23	44.8	RT	VALVE BOX			1					
16+40.60	11.93	LT	WATER VALVE VAULT							1	
17+30.79	26.65	LT	STORM INLET	1			1	1			
17+45.69	25.66	RT	STORM INLET	1			1	1			
17+47.37	0.47	RT	MANHOLE							1	
18+53.96	53.55	LT	STORM INLET								
18+70.97	0.33	RT	MANHOLE							1	
18+78.06	28.04	LT	VALVE BOX			1					
18+80.72	56.75	LT	STORM INLET								
19+46.58	27.57	RT	MANHOLE								
19+68.22	20.7	RT	STORM INLET	1				1			
19+94.27	0.18	LT	MANHOLE							1	
20+14.26	25.77	LT	MANHOLE								
20+23.43	21.32	LT	STORM INLET	1			1	1			
21+12.88	0.09	LT	MANHOLE							1	
21+78.31	21.15	LT	STORM INLET	1			1	1			
21+81.84	25.66	LT	MANHOLE								
21+90.2	21.07	RT	STORM INLET	1			1	1			
22+12.19	57.39	LT	STORM INLET								
22+26.29	0.16	RT	MANHOLE							1	
22+31.51	21.16	LT	VALVE BOX			1					
22+38.19	56.87	LT	STORM INLET								
22+70.03	12.48	LT	WATER VALVE VAULT			1					
22+75.74	13.17	LT	WATER VALVE VAULT			1					
22+77.81	28.18	RT	MANHOLE							1	
22+83.11	19.43	RT	MANHOLE							1	
22+85.02	48.44	RT	STORM INLET	1				1			
22+99.14	0.87	RT	MANHOLE							1	
23+00.41	25.03	RT	MANHOLE							1	
23+12.87	47.55	RT	STORM INLET	1				1			
23+86.47	20.98	LT	STORM INLET	1			1	1			
23+91.21	25.15	LT	MANHOLE								
24+24.00	21.67	RT	STORM INLET								
24+95.04	1.24	RT	MANHOLE							1	
25+10.95	20.63	LT	STORM INLET		1		1	1			
25+14.30	25.52	LT	MANHOLE								
26+08.38	49.71	LT	STORM INLET								
26+23.34	18.76	RT	MANHOLE							1	
26+28.58	0.61	RT	MANHOLE							1	
26+30.24	20.97	RT	STORM INLET	1			1	1			
26+36.61	48.17	LT	STORM INLET								
27+56.79	21.12	LT	STORM INLET	1			1	1			
27+57.50	0.17	RT	MANHOLE							1	
27+59.36	24.07	LT	MANHOLE								
28+94.33	0.95	LT	MANHOLE							1	
29+02.37	21.29	RT	STORM INLET		1		1	1			
29+06.86	21.31	LT	STORM INLET	1			1	1			
29+08.40	25.92	LT	MANHOLE								

UTILITY STRUCTURE SCHEDULE

LOCATION			TYPE	MANHOLES TO BE ADJUSTED (60255500)	MANHOLES TO BE RECONSTRUCTED (60257900)	VALVE BOXES TO BE ADJUSTED (60266600)	FRAMES, TYPE 1 (60400105)	LIDS, TYPE 1, OPEN LID (60403700)	LIDS, TYPE 1, CLOSED LID (60403800)	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)	HANDHOLE TO BE ADJUSTED (X8140115)
STA	OFFSET	SIDE									
30+06.87	14.56	LT	WATER VALVE VAULT							1	
30+07.28	30.77	LT	MANHOLE								
30+11.48	49.83	RT	STORM INLET								
30+15.90	12.27	LT	VALVE BOX			1					
30+25.95	32.97	RT	MANHOLE							1	
30+31.91	0.58	RT	MANHOLE							1	
30+35.31	17.93	RT	MANHOLE							1	
30+40.21	48.64	RT	STORM INLET								
30+93.79	26.53	LT	MANHOLE								
30+98.47	21.55	LT	STORM INLET	1			1	1			
31+34.84	20.84	RT	STORM INLET	1			1	1			
31+80.35	0.28	RT	MANHOLE							1	
32+40.02	25.84	LT	MANHOLE								
32+48.51	21.42	LT	STORM INLET		1		1	1			
32+68.40	20.73	RT	STORM INLET	1			1	1			
33+23.15	24.55	LT	MANHOLE								
33+23.87	0.53	LT	MANHOLE							1	
34+16.36	20.01	RT	MANHOLE							1	
34+19.81	48.48	RT	STORM INLET								
34+20.00	53.63	LT	STORM INLET								
34+20.88	10.32	LT	VALVE BOX			1					
34+33.13	25.11	RT	MANHOLE							1	
34+33.15	44.31	RT	MANHOLE							1	
34+46.61	47.2	RT	MANHOLE								
34+47.23	50.7	RT	STORM INLET								
34+48.13	61.96	LT	STORM INLET								
34+52.88	13.35	LT	VALVE BOX			1					
34+66.62	0.25	LT	MANHOLE							1	
35+59.32	21.03	LT	STORM INLET	1			1	1			
35+74.52	21.14	RT	STORM INLET	1			1	1			
36+95.65	21.05	LT	STORM INLET								
37+35.50	20.96	RT	STORM INLET								
37+63.68	0.32	LT	MANHOLE							1	
37+96.58	3.43	LT	HANDHOLE								1
38+06.55	30.66	RT	HANDHOLE								1
38+07.49	32.02	LT	HANDHOLE								1
38+18.05	56.67	RT	STORM INLET								
38+28.47	13.02	LT	VALVE BOX			1					
38+32.05	18.26	LT	VALVE BOX			1					
38+43.51	26.19	RT	MANHOLE							1	
38+50.28	19.39	RT	MANHOLE							1	
38+52.01	14.14	LT	WATER VALVE VAULT							1	
38+59.49	14.4	LT	WATER VALVE VAULT							1	
38+65.54	60.68	RT	STORM INLET								
38+76.70	32.34	LT	HANDHOLE								1
38+77.62	30.61	RT	HANDHOLE								1
38+79.22	32.01	LT	HANDHOLE								1
38+88.83	1.74	RT	HANDHOLE								1
40+15.22	21.48	LT	STORM INLET	1			1	1			
40+25.26	21.06	RT	STORM INLET	1			1	1			
40+62.93	0.43	LT	MANHOLE							1	
40+89.63	21.65	LT	STORM INLET								
42+43.48	20.8	RT	STORM INLET	1			1	1			
42+69.08	21.63	LT	STORM INLET	1			1	1			
43+23.07	54.26	LT	STORM INLET								
43+23.37	46.06	RT	STORM INLET								
43+28.69	4.63	LT	VALVE BOX			1					
43+28.88	10.16	LT	VALVE BOX			1					
43+31.70	22.8	RT	MANHOLE							1	
43+35.64	27.59	RT	MANHOLE							1	
43+37.46	22.56	LT	MANHOLE							1	
43+50.57	46.31	RT	STORM INLET								
43+51.39	51.33	LT	STORM INLET								
45+43.83	21.76	RT	STORM INLET								
45+44.44	16.75	RT	MANHOLE							1	
45+68.39	21.86	LT	STORM INLET	1			1	1			
47+35.06	68.91	RT	STORM INLET								
47+39.86	49.12	LT	STORM INLET								
47+42.98	20.42	LT	WATER VALVE VAULT							1	
47+43.59	42.31	RT	WATER VALVE VAULT							1	
47+53.47	17.11	RT	MANHOLE							1	
47+59.01	31.96	LT	MANHOLE							1	
47+67.24	53.55	RT	STORM INLET								
47+67.68	47.94	LT	STORM INLET								
48+93.07	17.45	RT	MANHOLE							1	
50+34.59	17.18	RT	MANHOLE							1	
51+23.93	21.2	LT	STORM INLET	1				1			
51+32.60	47.68	RT	STORM INLET								
51+62.80	48.05	LT	STORM INLET	1				1			

FILE NAME = 18_SCHEDULE OF QUANTITIES_1.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SCHEDULE OF QUANTITIES

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	18
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

UTILITY STRUCTURE SCHEDULE

LOCATION			TYPE	MANHOLES TO BE ADJUSTED (60255500)	MANHOLES TO BE RECONSTRUCTED (60257900)	VALVE BOXES TO BE ADJUSTED (60266600)	FRAMES, TYPE 1 (60400105)	LIDS, TYPE 1, OPEN LID (60403700)	LIDS, TYPE 1, CLOSED LID (60403800)	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)	HANDHOLE TO BE ADJUSTED (X8140115)
STA	OFFSET	SIDE									
51+66.87	5.74	LT	VALVE BOX			1					
51+76.98	46.72	RT	MANHOLE								
51+77.21	16.75	RT	MANHOLE							1	
51+77.30	36.02	LT	MANHOLE							1	
51+83.10	20.37	LT	MANHOLE							1	
51+86.05	30.31	LT	VALVE BOX			1					
51+87.20	44.67	RT	WATER VALVE VAULT								
51+90.74	53.03	RT	STORM INLET								
52+64.61	22.31	LT	STORM INLET		1		1	1			
52+65.40	0.4	LT	MANHOLE							1	
53+86.17	0.16	LT	MANHOLE							1	
55+09.99	0.35	LT	MANHOLE							1	
55+79.91	21.74	LT	STORM INLET	1				1			
55+82.77	20.32	RT	STORM INLET	1				1			
56+08.96	48.3	RT	STORM INLET	1				1			
56+16.03	33.37	LT	MANHOLE							1	
56+30.38	17.31	LT	VALVE BOX							1	
56+31.00	0.46	LT	MANHOLE							1	
56+36.30	52.7	LT	STORM INLET								
56+37.08	14.61	LT	VALVE BOX							1	
56+38.66	48.5	LT	STORM INLET								
57+54.11	0.98	LT	MANHOLE							1	
58+63.82	0.88	LT	MANHOLE							1	
58+64.71	21.59	LT	STORM INLET	1							
58+66.60	21.36	RT	STORM INLET	1							
59.69.01	0.37	LT	MANHOLE							1	
60+48.62	15.02	LT	WATER VALVE VAULT							1	
60+52.66	59.19	LT	STORM INLET								
60+52.80	46.53	RT	STORM INLET								
60+55.30	25.89	LT	MANHOLE							1	
60+60.97	27.39	LT	VALVE BOX			1					
60+76.90	0.05	LT	MANHOLE							1	
60+80.72	61.24	LT	STORM INLET								
60+80.79	44.96	RT	STORM INLET								
61+29.99	21.66	LT	STORM INLET	1			1	1			
61+42.02	20.71	RT	STORM INLET	1				1			
61+83.23	0.24	LT	MANHOLE							1	
62+90.00	0.06	RT	MANHOLE							1	
63+25.26	25.28	RT	STORM INLET	1							
63+31.87	16.99	LT	VALVE BOX			1					
63+34.68	26.59	LT	STORM INLET	1							
64+01.51	0.63	LT	MANHOLE							1	
64+57.04	30.16	LT	VALVE BOX			1					
64+63.71	26.76	LT	STORM INLET								
64+69.47	6.11	LT	HANDHOLE								1
64+87.09	44.39	RT	STORM INLET	1							
64+91.99	17.48	LT	VALVE VAULT							1	
64+95.74	21.75	LT	VALVE VAULT							1	
64+95.93	13.57	LT	VALVE VAULT							1	
64+99.39	17.26	LT	WATER VALVE			1					
65+01.18	33.52	LT	MANHOLE							1	
65+11.41	46.56	LT	MANHOLE							1	
65+11.91	11.43	RT	MANHOLE							1	
65+51.55	4.33	RT	HANDHOLE								1
65+89.21	6.41	RT	MANHOLE							1	
65+93.28	0.74	LT	MANHOLE							1	
65+93.78	11.33	RT	MANHOLE							1	
67+22.89	6.73	RT	MANHOLE							1	
67+47.37	21.51	LT	STORM INLET								
67+47.67	20.6	RT	STORM INLET								
68+88.03	21.22	RT	STORM INLET								
68+94.08	21.41	LT	STORM INLET								
69+03.63	22.12	LT	MANHOLE								
69+14.99	0.34	LT	MANHOLE							1	
69+17.63	14.34	LT	WATER VALVE VAULT							1	
69+21.82	7.33	RT	MANHOLE							1	
69+37.00	24.62	LT	MANHOLE							1	
69+38.27	54.35	RT	STORM INLET								
69+39.71	54.95	LT	STORM INLET								
69+51.52	5.46	RT	MANHOLE							1	
69+59.85	54.14	LT	MANHOLE								
69+62.21	54.38	RT	MANHOLE								
69+64.02	60.48	LT	STORM INLET								
69+66.22	53.83	RT	STORM INLET								
69+69.80	6.71	RT	MANHOLE							1	
69+76.38	11.65	LT	VALVE BOX			1					
70+70.70	1.34	LT	MANHOLE							1	
70+71.35	21.27	LT	STORM INLET								
70+75.32	21.27	RT	STORM INLET	1			1	1			

UTILITY STRUCTURE SCHEDULE

LOCATION			TYPE	MANHOLES TO BE ADJUSTED (60255500)	MANHOLES TO BE RECONSTRUCTED (60257900)	VALVE BOXES TO BE ADJUSTED (60266600)	FRAMES, TYPE 1 (60400105)	LIDS, TYPE 1, OPEN LID (60403700)	LIDS, TYPE 1, CLOSED LID (60403800)	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)	HANDHOLE TO BE ADJUSTED (X8140115)
STA	OFFSET	SIDE									
71+84.64	0.39	LT	MANHOLE							1	
71+91.20	6.92	RT	MANHOLE							1	
72+90.67	20.74	RT	STORM INLET								
72+91.39	0.16	LT	MANHOLE							1	
72+96.44	21.25	LT	STORM INLET								
73+79.30	50.92	RT	STORM INLET								
73+81.50	48.96	LT	STORM INLET								
73+93.44	26.3	LT	MANHOLE							1	
73+93.95	35	RT	MANHOLE								
73+99.60	14.82	LT	VALVE BOX			1					
74+02.11	0.08	LT	MANHOLE							1	
74+05.74	50.44	LT	STORM INLET								
74+07.46	51.11	RT	STORM INLET								
74+14.68	24.07	LT	STORM INLET								
74+18.71	6.61	RT	MANHOLE							1	
75+19.68	0.54	LT	MANHOLE							1	
75+20.22	21.69	LT	STORM INLET								
75+23.63	20.86	RT	STORM INLET								
76+29.19	0.58	LT	MANHOLE							1	
76+38.52	6.47	LT	MANHOLE							1	
77+24.19	21.72	LT	STORM INLET								
77+34.84	0.11	LT	MANHOLE							1	
77+34.94	20.81	RT	STORM INLET	1			1	1			
77+48.35	21.72	LT	STORM INLET								
78+09.62	13.36	LT	WATER VALVE VAULT						1	1	
78+14.80	19.73	LT	WATER VALVE VAULT						1	1	
78+14.81	20.55	RT	WATER VALVE VAULT						1	1	
78+21.43	24.09	LT	MANHOLE						1	1	
78+22.48	6.33	RT	MANHOLE						1	1	
78+22.54	57.29	RT	STORM INLET								
78+24.04	53.96	LT	STORM INLET								
78+29.49	21.5	LT	MANHOLE							1	
78+36.72	11.88	RT	MANHOLE							1	
78+48.89	59.42	LT	STORM INLET								
78+51.06	58.4	RT	STORM INLET								
78+53.26	0.91	RT	MANHOLE							1	
78+60.68	12.98	LT	WATER VALVE VAULT							1	
79+40.25	21.61	LT	STORM INLET								
79+40.54	21.04	RT	STORM INLET								
79+42.65	0.37	RT	MANHOLE							1	
80+45.81	5.79	RT	MANHOLE							1	
80+53.03	0.03	LT	MANHOLE							1	
81+64.48	0.36	RT	MANHOLE							1	
81+70.19	20.91	RT	STORM INLET								
81+75.04	21.54	LT	STORM INLET	1			1	1			
82+59.11	6.61	RT	MANHOLE							1	
82+65.18	64.22	RT	STORM INLET								
82+66.34	84.68	LT	STORM INLET								
82+67.54	0.57	RT	MANHOLE						1	1	
82+78.53	6.89	RT	MANHOLE						1	1	
82+90.19	84.82	LT	STORM INLET								
82+92.66	5.2	RT	MANHOLE						1	1	
82+92.75	64.09	RT	STORM INLET								
83+07.75	11.36	LT	WATER VALVE VAULT						1	1	
83+77.56	0.87	RT	MANHOLE						1	1	
84+30.71	21.6	LT	STORM INLET								
84+36.84	20.96	RT	STORM INLET								
84+77.72	6.51	RT	MANHOLE							1	
84+86.44	0.9	RT	MANHOLE							1	
85+93.21	0.83	RT	MANHOLE							1	
86+08.63	21.8	LT	STORM INLET								
86+18.30	21.4	RT	STORM INLET								
86+93.56	10.19	LT	VALVE BOX			1					
86+97.96	6.57	RT	MANHOLE							1	
87+07.04	70.43	RT	STORM INLET								
87+08.22	86.51	LT	STORM INLET								
87+10.01	1.22	RT	MANHOLE							1	
87+20.24	26.1	RT	MANHOLE							1	
87+20.85	20.49	LT	MANHOLE							1	
87+31.76	13.34	LT	WATER VALVE VAULT							1	
87+32.51	97.95	LT	STORM INLET								
87+32.67	41.63	LT	STORM INLET								
87+35.12	48.93	RT	STORM INLET								
87+38.88	23.64	RT	STORM INLET								
87+40.78	21.72	LT	STORM INLET	1			1	1			
87+70.72	26.69	LT	STORM MANHOLE								
87+78.81	19.18	RT	STORM MANHOLE								
87+83.02	26.91	RT	STORM MANHOLE								
87+92.69	20.67	LT	STORM INLET	1			1	1			

FILE NAME = 19.SCHEDULE OF QUANTITIES.2.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SCHEDULE OF QUANTITIES

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	19
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		

UTILITY STRUCTURE SCHEDULE

LOCATION			TYPE	MANHOLES TO BE ADJUSTED (60255500)	MANHOLES TO BE RECONSTRUCTED (60257900)	VALVE BOXES TO BE ADJUSTED (60266600)	FRAMES, TYPE 1 (60400105)	LIDS, TYPE 1, OPEN LID (60403700)	LIDS, TYPE 1, CLOSED LID (60403800)	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)	HANDHOLE TO BE ADJUSTED (X8140115)
STA	OFFSET	SIDE									
88+24.20	1.2	RT	MANHOLE							1	
88+25.95	28.15	LT	STORM MANHOLE								
88+85.26	19.66	RT	STORM INLET								
88+85.45	27.32	RT	STORM MANHOLE								
88+85.68	27.14	LT	STORM MANHOLE								
89+10.55	26.92	LT	STORM MANHOLE								
89+24.95	7.17	RT	MANHOLE							1	
89+27.27	1.06	RT	MANHOLE							1	
89+85.60	20.43	LT	STORM INLET								
89+89.24	22.69	RT	MANHOLE							1	
89+93.59	27.41	RT	STORM INLET	1			1	1			
90+62.93	2.1	RT	MANHOLE							1	
90+65.24	20.24	LT	STORM INLET	1							
90+72.79	25.04	LT	STORM MANHOLE								
90+83.84	0.72	RT	MANHOLE							1	
91+12.54	16.55	LT	STORM MANHOLE								
91+12.74	25.79	LT	STORM MANHOLE								
91+13.96	27.64	RT	STORM INLET								
91+16.01	32.26	RT	MANHOLE								
91+34.00	99.28	LT	STORM INLET								
91+39.37	96.21	LT	MANHOLE								
91+40.13	7.61	RT	MANHOLE								
91+86.90	97.82	LT	STORM INLET								
91+93.86	24.8	LT	STORM INLET								
			TOTALS	45	5	28	34	44	10	130	17

FILE NAME = 20.SCHEDULE OF QUANTITIES_3.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 '/ in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SCHEDULE OF QUANTITIES

SCALE: | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	20

CONTRACT NO. 61C69

ILLINOIS | FED. AID PROJECT M-4003(512)

SIGNING SCHEDULE

LOCATION STA	LOCATION OFFSET	LOCATION SIDE	SIGN TYPE	DESCRIPTION	SIGN PANEL-TYPE 1 (72000100) SQ FT	REMOVE AND RE-ERECT EXISTING SIGN (X7240600) EACH	INSTALL EXISTING SIGN PANEL (72300100) SQ FT	TELESCOPING STEEL SIGN SUPPORT (SPECIAL) (X7280105) FT	BASE FOR TELESCOPING SIGN SUPPORT, SPECIAL (X7310110) EA	REMOVE GROUND MOUNTED SIGN SUPPORT (73700100) EA	REMOVE SIGN PANEL-TYPE 1 (72400310) SQ FT	MOUNTING DESCRIPTION
9+98	51.6'	RT.	CTA	CTA BUS STOP SIGN		1						REMOVE AND RE-ERECT IN SAME LOCATION
10+65	27.0'	RT.		WAYFINDING F.L. WRIGHT HOME			1				1	MOVE TO NEW LIGHT AT STA. 11+23
			R5-2	NO TRUCKS			4				4	MOVE TO NEW LIGHT AT STA. 11+23
			R4-11	BIKE MAY USE FULL LANE			6.25				6.25	MOVE TO NEW LIGHT AT STA. 11+23
11+43	31.0'	LT.	R7-1L	NO PARKING W/HOURS			1.5	13	1		1.5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
			R7-203	NO PARKING SNOW ROUTE			1.5				1.5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
12+41	27.5'	RT.	R3-4	NO UTURN			4	16.5	1		4	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
			R2-1	SPEED LIMIT 25			5				5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
			D4-1	PARKING			5				5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION FACING EAST
				NO PARKING SNOW ROUTE/W TIME			4				4	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
13+20	29.9'	LT.	W11-1	BIKE			4				4	MOVE TO NEW LIGHT AT STA. 12+83
			W16-1P	SHARE THE ROAD			3				3	MOVE TO NEW LIGHT AT STA. 12+83
			D3-1	CHICAGO AVE	1.67						1.67	REMOVE EXISTING SIGN, AND REPLACE WITH NEW SIGN
			D3-1	MAPLE AVE	1.67						1.67	REMOVE EXISTING SIGN, AND REPLACE WITH NEW SIGN
13+28	43.0'	RT.	R1-1	STOP		1						REMOVE AND RE-ERECT IN SAME LOCATION
13+40	25.7'	RT.	W11-2	PED			6.25				6.25	REMOVE FROM EXSITING STREET LIGHTING AND MOUNT TO NEW PEDESTRIAN LIGHTING
			W16-7P	ARROW			2				2	REMOVE FROM EXSITING STREET LIGHTING AND MOUNT TO NEW PEDESTRIAN LIGHTING
13+42	29.8'	LT.	W11-2	PED		1						REMOVE AND RE-ERECT IN SAME LOCATION
			W16-7P	ARROW		1						REMOVE AND RE-ERECT IN SAME LOCATION
13+54	30.6'	LT.	R7-1	NO PARKING BETWEEN SIGNS		1						REMOVE AND RE-ERECT IN SAME LOCATION
14+13	31.2'	LT.	R7-5	15 MINUTE PARKING			1.5			1	1.5	REMOVE FROM GROUND MOUNTED SIGN SUPPORT AND MOUNT TO NEW STREET LIGHT
			R7-1	NO PARKING BETWEEN SIGNS			1.5				1.5	REMOVE FROM GROUND MOUNTED SIGN SUPPORT AND MOUNT TO NEW STREET LIGHT
14+15	29.7'	RT.	W11-1	BIKE			4				4	REMOVE FROM EXISTING LIGHTING AND MOUNT TO NEW LIGHT IN SAME LOCATION
			W16-1P	SHARE THE ROAD			3				3	REMOVE FROM EXISTING LIGHTING AND MOUNT TO NEW LIGHT IN SAME LOCATION
			R7-203	NO PARKING SNOW ROUTE			1.5				1.5	REMOVE FROM EXISTING LIGHTING AND MOUNT TO NEW LIGHT IN SAME LOCATION
14+56	29.9'	LT.	R4-11	BIKE MAY USE FULL LANE			6.25	16	1		6.25	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
			R7-1	NO PARKING TO CORNER			1.5				1.5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
			R7-5	15 MINUTE PARKING			1.5				1.5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
14+85	29.3'	RT.		DECORATIVE SIGN		1						REMOVE AND RE-ERECT IN SAME LOCATION
14+88	40.6'	LT.	R1-1	STOP		1						REMOVE AND RE-ERECT IN SAME LOCATION
15+17	44.4'	LT.	W14-2	NO OUTLET		1						REMOVE AND RE-ERECT IN SAME LOCATION
			R11-4	NO THRU TRAFFIC								REMOVE AND RE-ERECT IN SAME LOCATION
			D3-1	CHICAGO AVE	1.67						1.67	REMOVE EXISTING SIGN, AND REPLACE WITH NEW SIGN
			D3-1	MARION ST	1.33						1.33	REMOVE EXISTING SIGN, AND REPLACE WITH NEW SIGN
15+36	30.1'	LT.	R7-8	HANDICAP		1						REMOVE AND RE-ERECT IN SAME LOCATION
			R7-8P	PLAQUE								REMOVE AND RE-ERECT IN SAME LOCATION
15+51	29.5'	RT.		CHURCH			2	15	1		2	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
			R7-107	NO PARKING TO CORNER			1.5				1.5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
			R7-203	NO PARKING SNOW ROUTE			1.5				1.5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
16+69	30.2'	LT.		CHURCH			2				2	REMOVE FROM EXISTING LIGHTING AND MOUNT TO NEW LIGHT IN SAME LOCATION
			R7-1L	NO PARKING ANYTIME			1.5				1.5	REMOVE FROM EXISTING LIGHTING AND MOUNT TO NEW LIGHT IN SAME LOCATION
17+34	31.7'	RT.	R4-11	BIKE MAY USE FULL LANE			6.25				6.25	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW PED POLE AT STA. 17+47
			R7-1	NO PARKING ANYTIME			1.5				1.5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW PED POLE AT STA. 17+47
18+13	29.1'	LT.	R7-107	NO PARKING TO CORNER			1.5	13	1	-	1.5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
			R7-203	NO PARKING SNOW ROUTE			1.5				1.5	REMOVE FROM EXISTING STREET LIGHTING AND MOUNT TO NEW SIGN SUPPORT IN SAME LOCATION
				TOTALS	6.34	9	87.5	73.5	5	1	93.84	

CLASS C PATCHES

LOCATION	AREA (SQ YD)	TYPE
24+93	14	II
25+60 RT	46	IV
26+44	14	II
31+13 LT	20	III
37+85 RT	37	IV

ADDITIONAL PATCHING QUANTITIES TO BE SPECIFIED BY THE RESIDENT ENGINEER AFTER MILLING OPERATIONS

FILE NAME = 21_SCHEDULE OF QUANTITIES_4.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

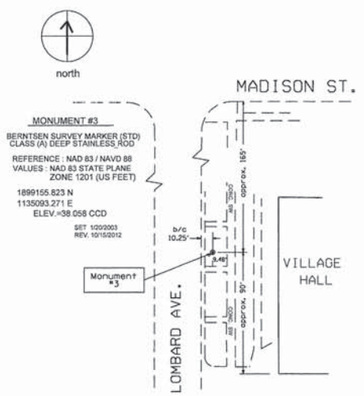
CHICAGO AVENUE
SCHEDULE OF QUANTITIES

SCALE: | SHEET 4 OF 4 SHEETS | STA. | TO STA.

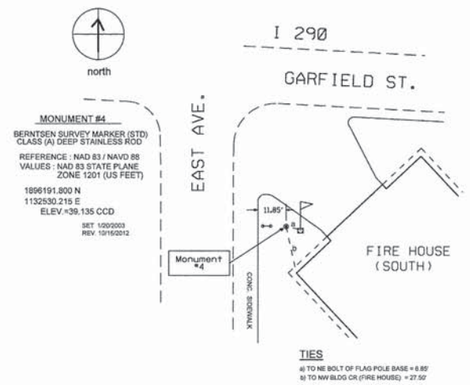
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	21
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		

VILLAGE OF OAK PARK CONTROL MONUMENTS

MONUMENT #3 VILLAGE HALL



MONUMENT #4 SOUTH FIRE STATION



BENCHMARKS

UPPER BOLT (1ST PAST ARROW) ON HYDRANT AT THE NE CORNER OF HARLEM AND CHICAGO AVE.	ELEV.=51.51
UPPER BOLT (1ST PAST ARROW) ON HYDRANT ON THE NORTH SIDE OF CHICAGO AVE AT MAPLE EXT.	ELEV.=52.12
NE FLANGE BOLT (TAGGED) ON HYDRANT AT THE NE CORNER OF BELLEFORTE AND CHICAGO AVE.	ELEV.=51.32
UPPER BOLT (1ST PAST ARROW) ON HYDRANT AT THE NE CORNER OF WOODBINE AND CHICAGO AVE.	ELEV.=52.07
NE FLANGE BOLT ON HYDRANT AT THE NW CORNER OF KENILWORTH AND CHICAGO AVE.	ELEV.=52.30
NE FLANGE BOLT ON HYDRANT AT THE NW CORNER OF GROVE AND CHICAGO AVE.	ELEV.=51.56
NE FLANGE BOLT ON HYDRANT AT THE NW CORNER OF OAK PARK AND CHICAGO AVE.	ELEV.=51.27
NE FLANGE BOLT (TAGGED) ON HYDRANT AT THE SE CORNER OF EUCLID AND CHICAGO AVE.	ELEV.=51.23
UPPER BOLT (1ST PAST ARROW) ON HYDRANT AT THE NE CORNER OF EAST AVE AND CHICAGO AVE.	ELEV.=51.70
NE FLANGE BOLT ON HYDRANT AT THE NW CORNER OF ELMWOOD AND CHICAGO AVE.	ELEV.=42.36
NE FLANGE BOLT ON HYDRANT AT THE NW CORNER OF RIDGELAND AND CHICAGO AVE.	ELEV.=41.51

NOTE: ELEVATIONS ARE "CHICAGO CITY DATUM"
(579.48 SUBTRACTED FROM NAVD 88)

FILE NAME = 22_AlignmentTiesBenchmarks_1.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

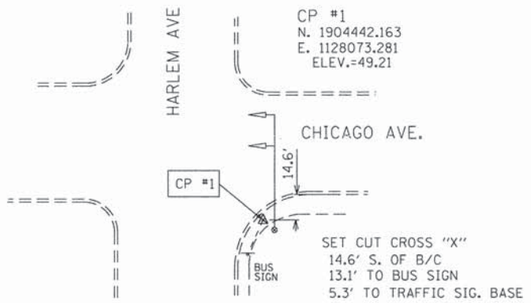
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

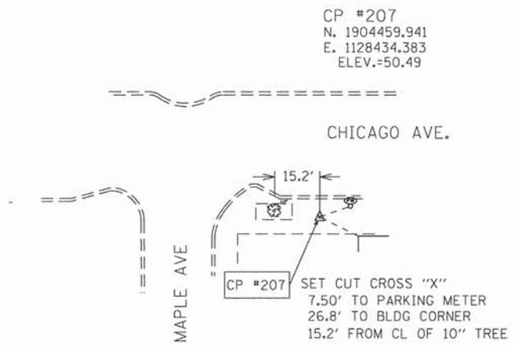
CHICAGO AVENUE
ALIGNMENT, TIES, AND BENCHMARKS

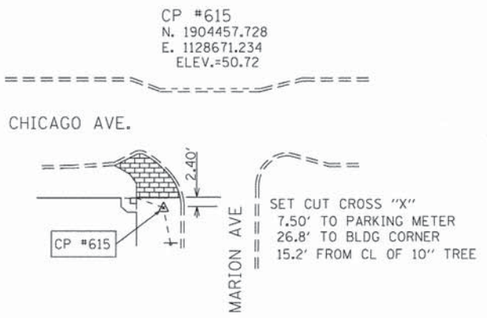
SCALE: | SHEET 1 OF 2 SHEETS | STA. | TO STA.

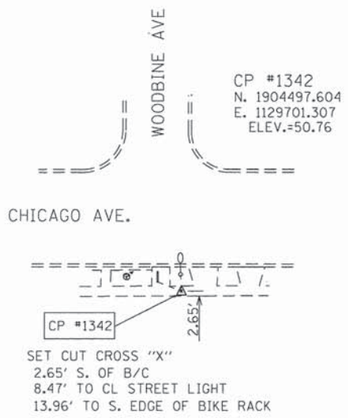
F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	22
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003 (512)		

CONTROL POINT TIES









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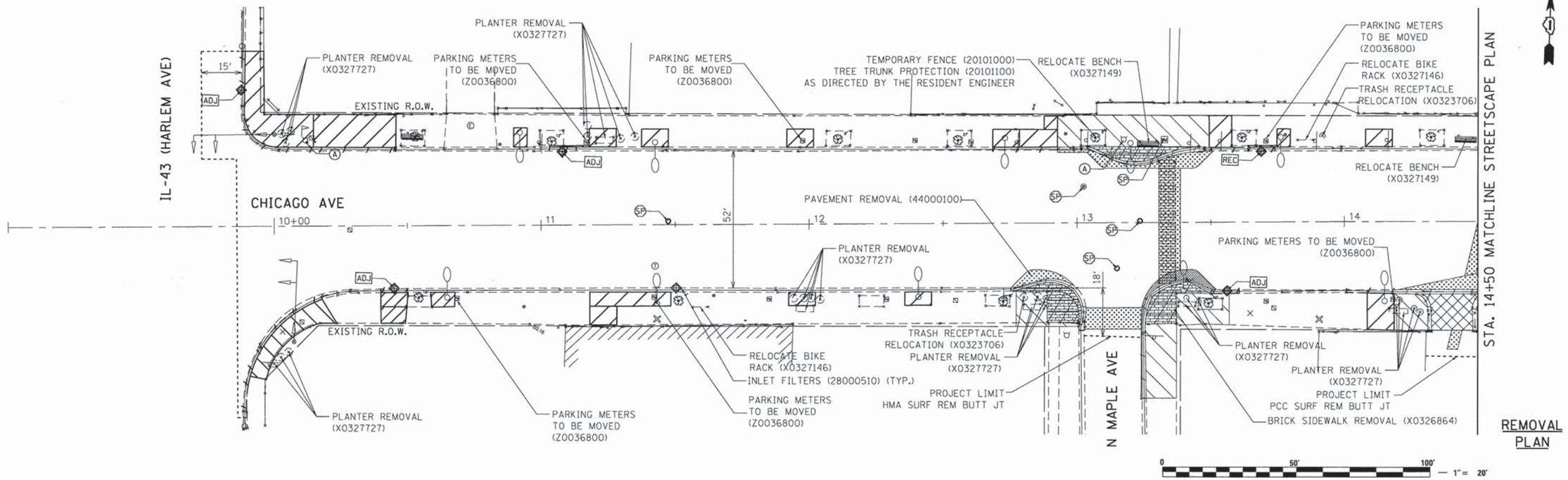
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

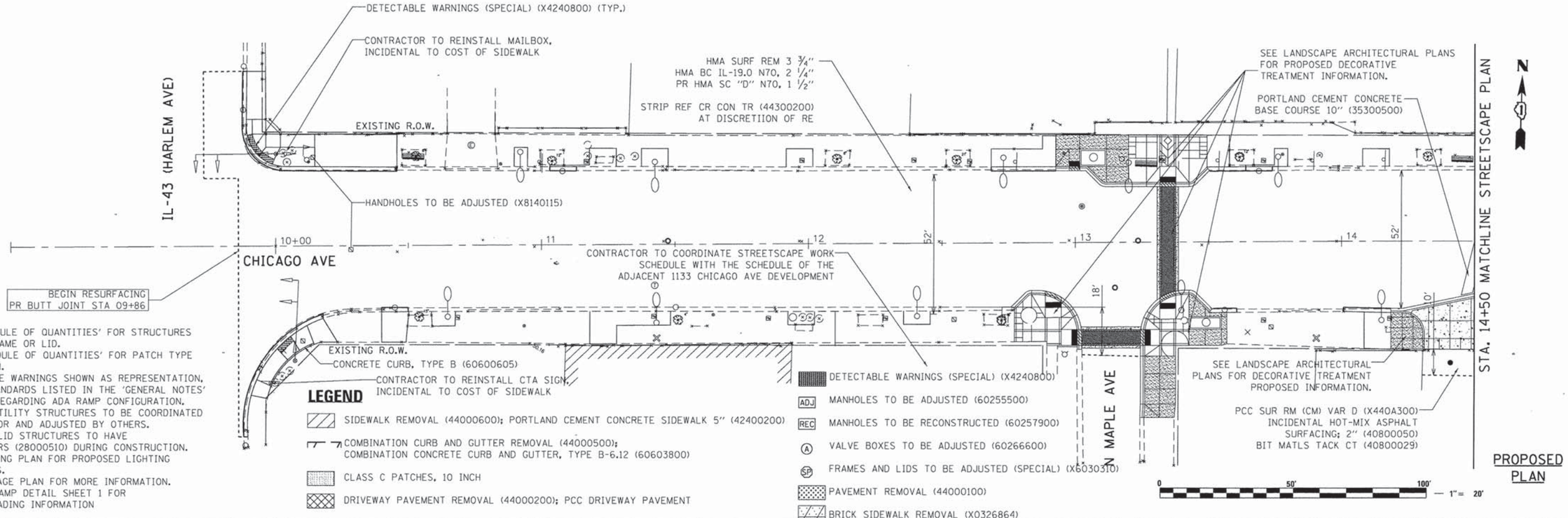
CHICAGO AVENUE
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	23
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003 (512)		



REMOVAL PLAN



PROPOSED PLAN

NOTES:
1. SEE 'SCHEDULE OF QUANTITIES' FOR STRUCTURES REQUIRING FRAME OR LID.
2. SEE 'SCHEDULE OF QUANTITIES' FOR PATCH TYPE AND LOCATION.
3. DETECTABLE WARNINGS SHOWN AS REPRESENTATION, SEE IDOT STANDARDS LISTED IN THE 'GENERAL NOTES' FOR DETAIL REGARDING ADA RAMP CONFIGURATION.
4. PRIVATE UTILITY STRUCTURES TO BE COORDINATED BY CONTRACTOR AND ADJUSTED BY OTHERS.
5. ALL OPEN-LID STRUCTURES TO HAVE INLET FILTERS (28000510) DURING CONSTRUCTION.
6. SEE LIGHTING PLAN FOR PROPOSED LIGHTING IMPROVEMENTS.
7. SEE DRAINAGE PLAN FOR MORE INFORMATION.
8. SEE ADA RAMP DETAIL SHEET 1 FOR ADA RAMP GRADING INFORMATION

LEGEND

- SIDEWALK REMOVAL (44000600); PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)
- COMBINATION CURB AND GUTTER REMOVAL (44000500); COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- CLASS C PATCHES, 10 INCH
- DRIVEWAY PAVEMENT REMOVAL (44000200); PCC DRIVEWAY PAVEMENT
- DETECTABLE WARNINGS (SPECIAL) (X4240800)
- ADJ MANHOLES TO BE ADJUSTED (60255500)
- REC MANHOLES TO BE RECONSTRUCTED (60257900)
- (A) VALVE BOXES TO BE ADJUSTED (60266600)
- (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)
- PAVEMENT REMOVAL (44000100)
- BRICK SIDEWALK REMOVAL (X0326864)

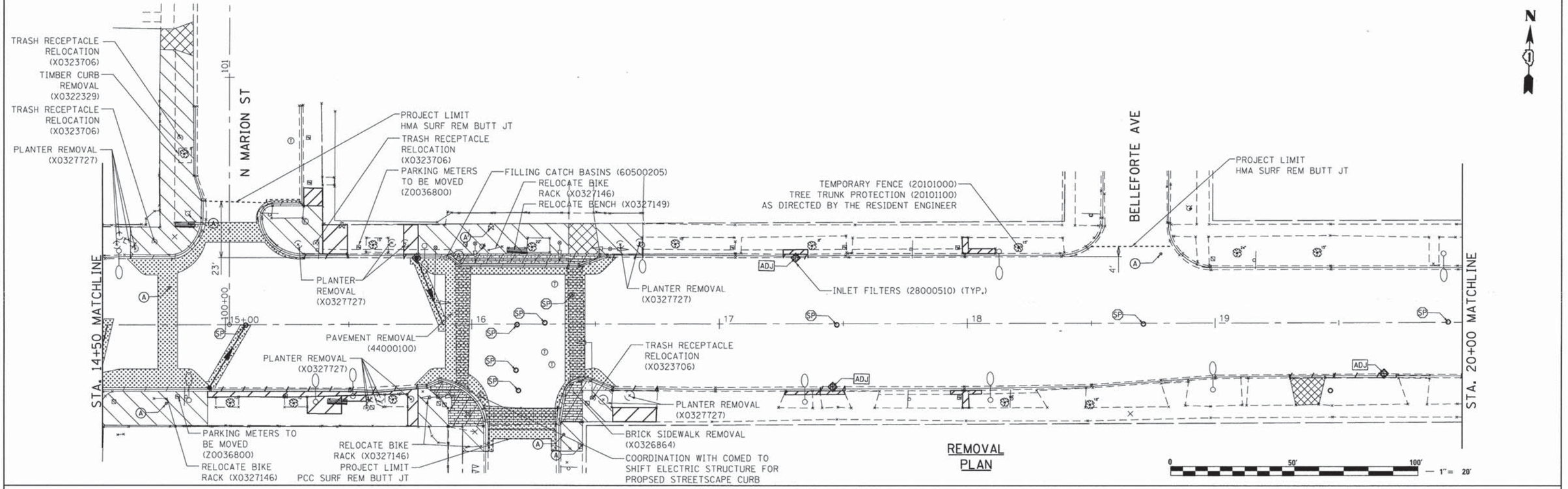
FILE NAME = 24_Proposed Plan_1.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED ROADWAY PLAN

SCALE: 1"=20' | SHEET 1 OF 9 SHEETS | STA. 09+86 TO STA.14+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	24
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

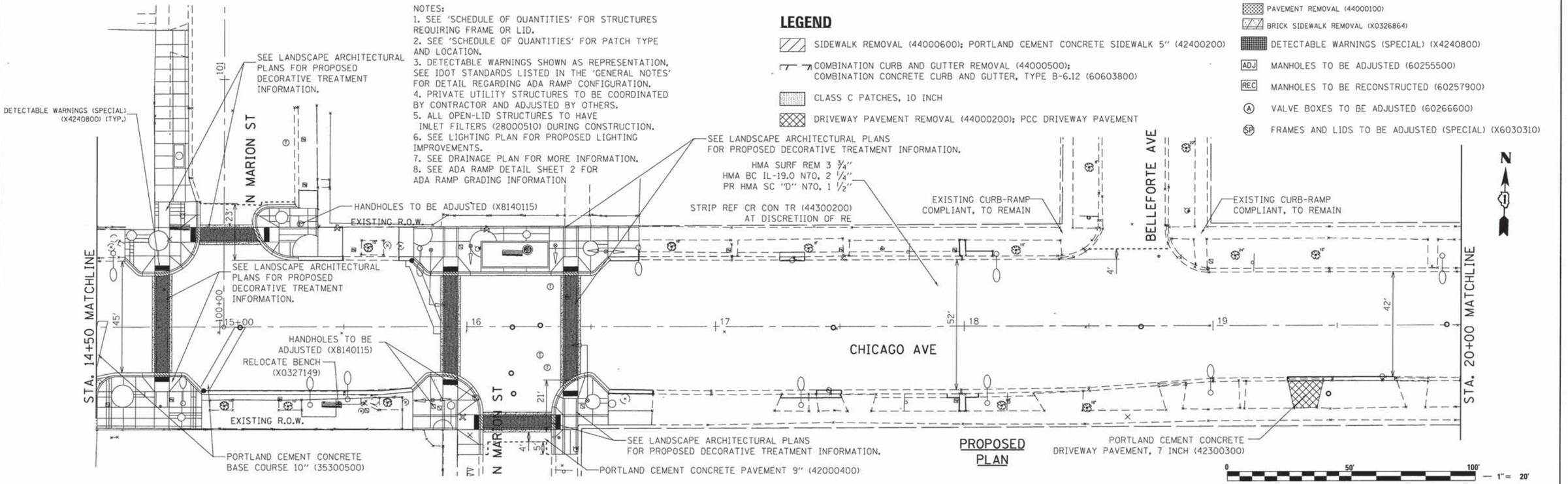


REMOVAL PLAN

NOTES:
1. SEE 'SCHEDULE OF QUANTITIES' FOR STRUCTURES REQUIRING FRAME OR LID.
2. SEE 'SCHEDULE OF QUANTITIES' FOR PATCH TYPE AND LOCATION.
3. DETECTABLE WARNINGS SHOWN AS REPRESENTATION, SEE IDOT STANDARDS LISTED IN THE 'GENERAL NOTES' FOR DETAIL REGARDING ADA RAMP CONFIGURATION.
4. PRIVATE UTILITY STRUCTURES TO BE COORDINATED BY CONTRACTOR AND ADJUSTED BY OTHERS.
5. ALL OPEN-LID STRUCTURES TO HAVE INLET FILTERS (28000510) DURING CONSTRUCTION.
6. SEE LIGHTING PLAN FOR PROPOSED LIGHTING IMPROVEMENTS.
7. SEE DRAINAGE PLAN FOR MORE INFORMATION.
8. SEE ADA RAMP DETAIL SHEET 2 FOR ADA RAMP GRADING INFORMATION

LEGEND

- SIDEWALK REMOVAL (44000600); PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)
- COMBINATION CURB AND GUTTER REMOVAL (44000500); COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- CLASS C PATCHES, 10 INCH
- DRIVEWAY PAVEMENT REMOVAL (44000200); PCC DRIVEWAY PAVEMENT
- PAVEMENT REMOVAL (44000100)
- BRICK SIDEWALK REMOVAL (X0326864)
- DETECTABLE WARNINGS (SPECIAL) (X4240800)
- ADJ MANHOLES TO BE ADJUSTED (60255500)
- REC MANHOLES TO BE RECONSTRUCTED (60257900)
- (A) VALVE BOXES TO BE ADJUSTED (60266600)
- (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)



PROPOSED PLAN

FILE NAME = 25_Proposed Plan_2.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED ROADWAY PLAN

SCALE: 1"=20' | SHEET 2 OF 9 SHEETS | STA. 14+50 TO STA. 20+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	25
		CONTRACT NO. 61C69		
		ILLINOIS FED. AID PROJECT M-4003(512)		

PROJECT LIMIT
HMA SURF REM BUTT JT

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424001-08(1). SIDE-CURB AT DISCRETION OF R.E.

INLET FILTERS (28000510) (TYP.)

DETECTABLE WARNINGS (SPECIAL) (X4240800) (TYP.)

EXISTING R.O.W.

FOREST AVE

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424001-08(2). SIDE-CURB AT DISCRETION OF R.E.

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424016-02. SIDE-CURB AT DISCRETION OF R.E.

CONTRACTOR TO NOTIFY THE FRANK LLOYD WRIGHT TRUST 48 HOURS IN ADVANCE OF ALL CONSTRUCTION TO TAKE PLACE IN FRONT OF THE FRANK LLOYD WRIGHT HOME AND STUDIO

HMA SURF REM 3 ¾"
HMA BC IL-19.0 N70, 2 ¼"
PR HMA SC "D" N70, 1 ½"

STA. 20+00 MATCHLINE

CHICAGO AVE

20+00 21 22 23 24 25+00

STA. 25+50 MATCHLINE

EXISTING R.O.W.

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424016-02. SIDE-CURB AT DISCRETION OF R.E.

REMOVE AND REINSTALL BRICK PAVER (X0327611)

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424001-08(1). SIDE-CURB AT DISCRETION OF R.E.

PROJECT LIMIT
HMA SURF REM BUTT JT

FOREST AVE

PLANTER REMOVAL (X0327727)
SEE LANDSCAPE ARCHITECTURAL SHEETS FOR MORE INFORMATION REGARDING FRANK LLOYD WRIGHT PARKWAY IMPROVEMENTS, VILLAGE FUNDED

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424001-08(1). SIDE-CURB AT DISCRETION OF R.E.

SIDEWALK ADJACENT TO FRANK LLOYD WRIGHT HOME AND STUDIO SHALL HAVE BROOM-FINISH.

0 50' 100' — 1"= 20'

PROJECT LIMIT
HMA SURF REM BUTT JT

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424001-08(1). SIDE-CURB AT DISCRETION OF R.E.

HMA SURF REM 3 ¾"
HMA BC IL-19.0 N70, 2 ¼"
PR HMA SC "D" N70, 1 ½"

WOODBINE AVE

END HMA BC IL-19.0 N70, 2 ¼"
PR HMA SC "D" N70, 1 ½"

BEGIN PR P LB MM IL-4.75 N50, 1"
PR HMA SC "D" N70, 2 ¼"

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424001-08(1). SIDE-CURB AT DISCRETION OF R.E.

EXISTING R.O.W.

HMA SURF REM 3 ¼"
PR P LB MM IL-4.75 N50, 1"
PR HMA SC "D" N70, 2 ¼"

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424016-02. SIDE-CURB AT DISCRETION OF R.E.

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424016-02. SIDE-CURB AT DISCRETION OF R.E.

DETECTABLE WARNINGS (SPECIAL) (X4240800) (TYP.)

STA. 25+50 MATCHLINE

26 27 28 CHICAGO AVE 29 30+00

STA. 31+00 MATCHLINE

HANDHOLE TO BE ADJUSTED (X8140115)

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424016-02. SIDE-CURB AT DISCRETION OF R.E.

EXISTING R.O.W.

INLET FILTERS (28000510) (TYP.)

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424001-08(1). SIDE-CURB AT DISCRETION OF R.E.

N KENILWORTH AVE

HANDHOLE TO BE ADJUSTED (X8140115)

CONTRACTOR TO CONSTRUCT ADA CURB-RAMP PER IDOT STANDARD 424001-08(1). SIDE-CURB AT DISCRETION OF R.E.

PROJECT LIMIT
HMA SURF REM BUTT JT

0 50' 100' — 1"= 20'

NOTES:
1. SEE 'SCHEDULE OF QUANTITIES' FOR STRUCTURES REQUIRING FRAME OR LID.
2. SEE 'SCHEDULE OF QUANTITIES' FOR PATCH TYPE AND LOCATION.
3. DETECTABLE WARNINGS SHOWN AS REPRESENTATION. SEE IDOT STANDARDS LISTED IN THE 'GENERAL NOTES' FOR DETAIL REGARDING ADA RAMP CONFIGURATION.
4. PRIVATE UTILITY STRUCTURES TO BE COORDINATED BY CONTRACTOR AND ADJUSTED BY OTHERS.
5. ALL OPEN-LID STRUCTURES TO HAVE INLET FILTERS (28000510) DURING CONSTRUCTION.

LEGEND

- SIDEWALK REMOVAL (44000600); PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)
- COMBINATION CURB AND GUTTER REMOVAL (44000500); COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- CLASS C PATCHES, 10 INCH
- DRIVEWAY PAVEMENT REMOVAL (44000200); PCC DRIVEWAY PAVEMENT
- ROADWAY BRICK ITEMS
- DETECTABLE WARNINGS (SPECIAL) (X4240800)
- ADJ MANHOLES TO BE ADJUSTED (60255500)
- REC MANHOLES TO BE RECONSTRUCTED (60257900)
- (A) VALVE BOXES TO BE ADJUSTED (60266600)
- (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)

FILE NAME = 26.Proposed Plan_3.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

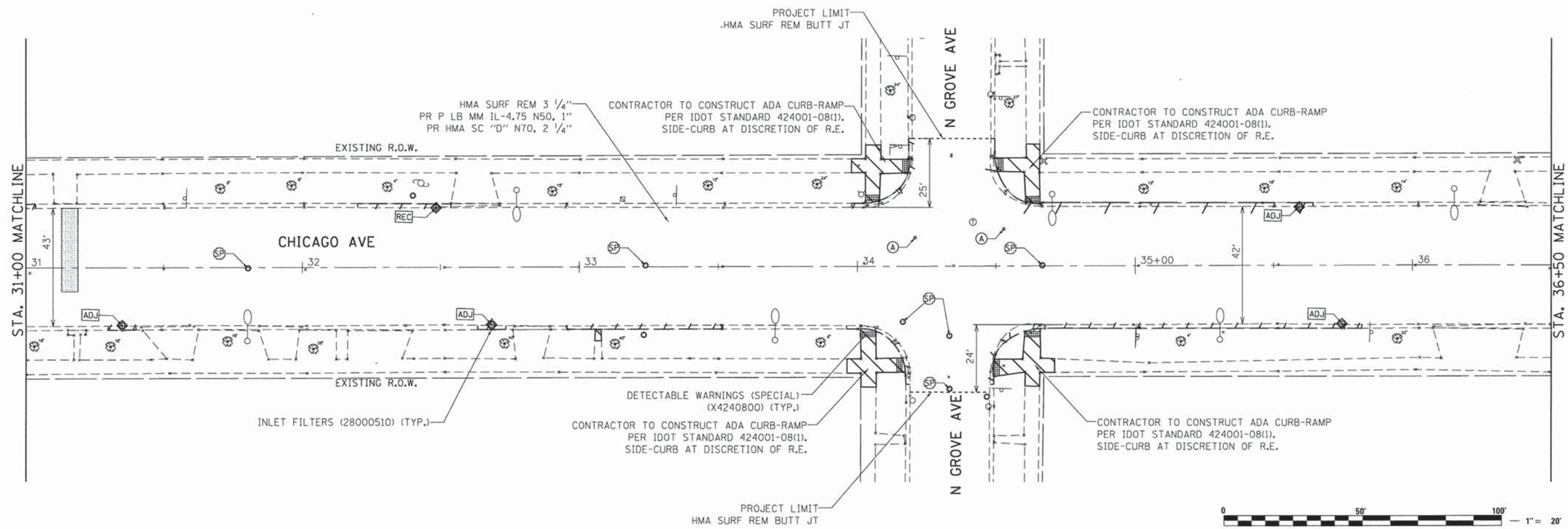
CHICAGO AVENUE
PROPOSED ROADWAY PLAN

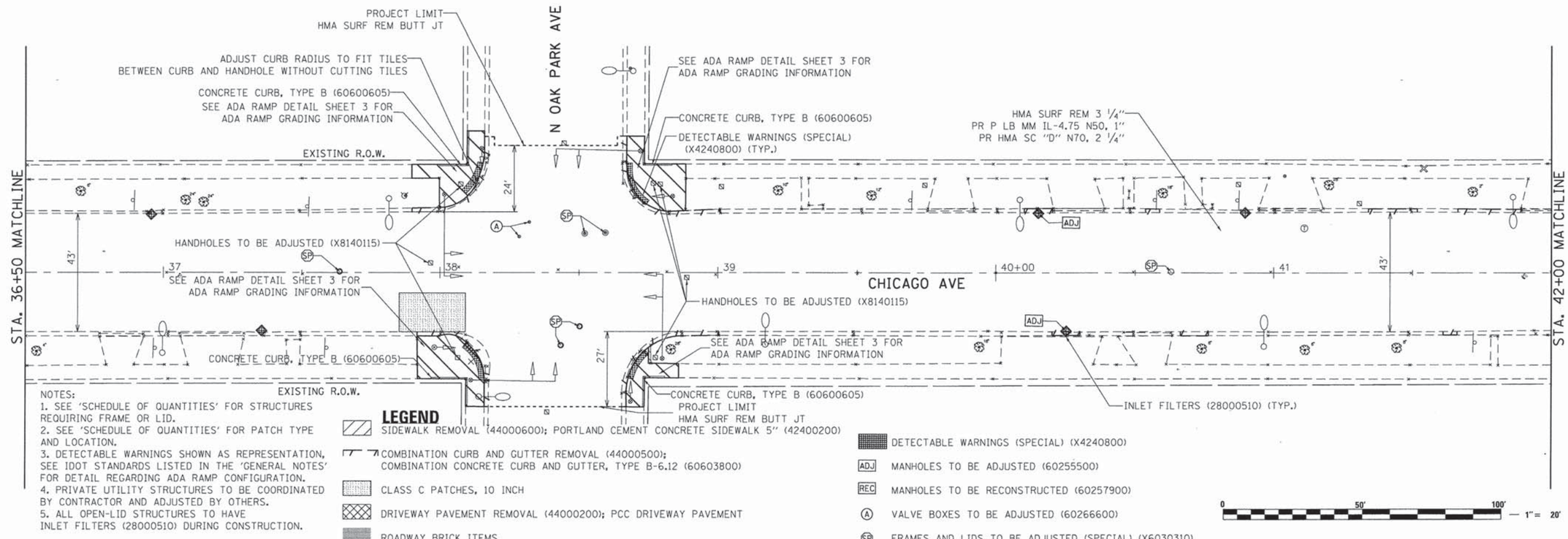
SCALE: 1"=20' | SHEET 3 OF 9 SHEETS | STA. 20+00 TO STA. 31+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	26

CONTRACT NO. 61C69

ILLINOIS FED. AID PROJECT M-4003(512)





NOTES:
1. SEE 'SCHEDULE OF QUANTITIES' FOR STRUCTURES REQUIRING FRAME OR LID.
2. SEE 'SCHEDULE OF QUANTITIES' FOR PATCH TYPE AND LOCATION.
3. DETECTABLE WARNINGS SHOWN AS REPRESENTATION, SEE IDOT STANDARDS LISTED IN THE 'GENERAL NOTES' FOR DETAIL REGARDING ADA RAMP CONFIGURATION.
4. PRIVATE UTILITY STRUCTURES TO BE COORDINATED BY CONTRACTOR AND ADJUSTED BY OTHERS.
5. ALL OPEN-LID STRUCTURES TO HAVE INLET FILTERS (28000510) DURING CONSTRUCTION.

LEGEND

- SIDEWALK REMOVAL (44000600); PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)
- COMBINATION CURB AND GUTTER REMOVAL (44000500); COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- CLASS C PATCHES, 10 INCH
- DRIVEWAY PAVEMENT REMOVAL (44000200); PCC DRIVEWAY PAVEMENT
- ROADWAY BRICK ITEMS
- DETECTABLE WARNINGS (SPECIAL) (X4240800)
- ADJ MANHOLES TO BE ADJUSTED (60255500)
- REC MANHOLES TO BE RECONSTRUCTED (60257900)
- (A) VALVE BOXES TO BE ADJUSTED (60266600)
- (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)

FILE NAME = 27_Proposed Plan_4.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
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Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

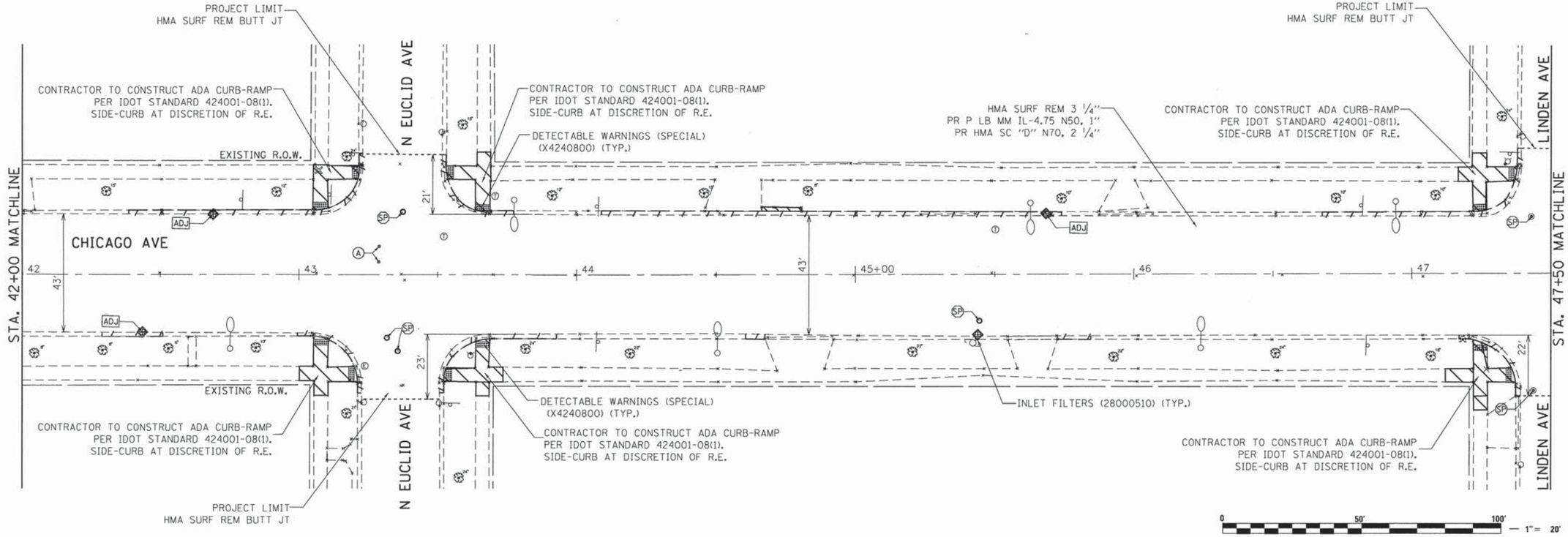
CHICAGO AVENUE
PROPOSED ROADWAY PLAN

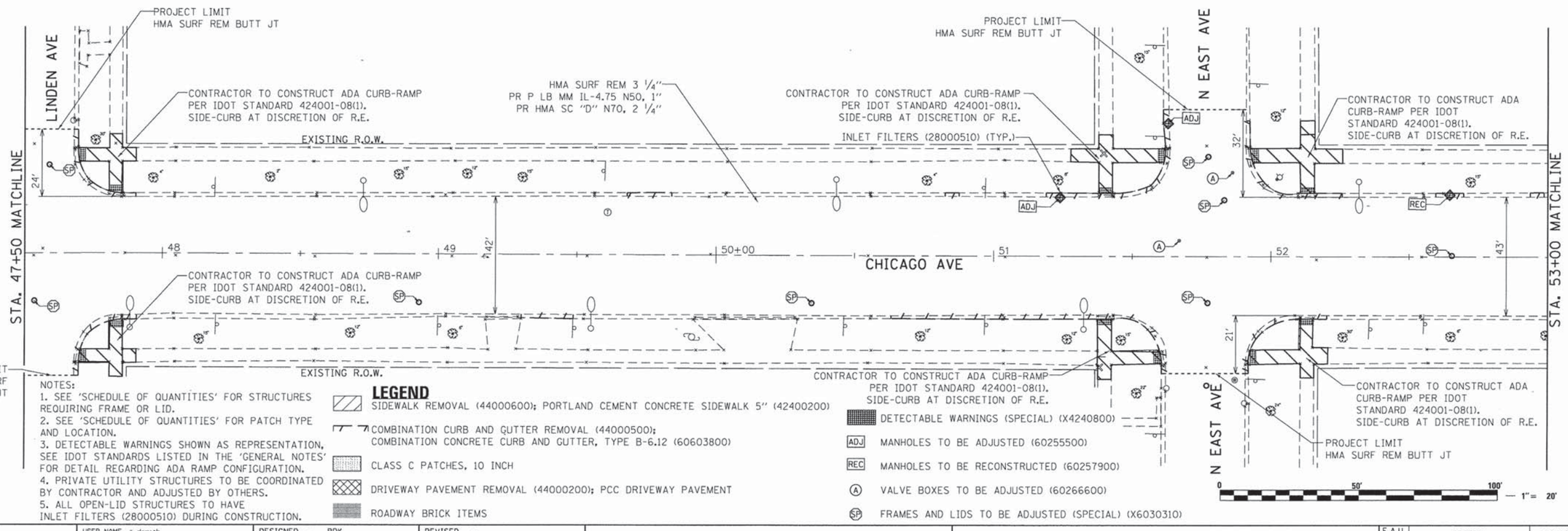
SCALE: 1"=20' | SHEET 4 OF 9 SHEETS | STA. 31+00 TO STA. 42+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	27

CONTRACT NO. 61C69

ILLINOIS FED. AID PROJECT M-4003(512)





NOTES:
1. SEE 'SCHEDULE OF QUANTITIES' FOR STRUCTURES REQUIRING FRAME OR LID.
2. SEE 'SCHEDULE OF QUANTITIES' FOR PATCH TYPE AND LOCATION.
3. DETECTABLE WARNINGS SHOWN AS REPRESENTATION, SEE IDOT STANDARDS LISTED IN THE 'GENERAL NOTES' FOR DETAIL REGARDING ADA RAMP CONFIGURATION.
4. PRIVATE UTILITY STRUCTURES TO BE COORDINATED BY CONTRACTOR AND ADJUSTED BY OTHERS.
5. ALL OPEN-LID STRUCTURES TO HAVE INLET FILTERS (28000510) DURING CONSTRUCTION.

LEGEND

- SIDEWALK REMOVAL (44000600); PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)
- COMBINATION CURB AND GUTTER REMOVAL (44000500); COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- CLASS C PATCHES, 10 INCH
- DRIVEWAY PAVEMENT REMOVAL (44000200); PCC DRIVEWAY PAVEMENT
- ROADWAY BRICK ITEMS
- DETECTABLE WARNINGS (SPECIAL) (X4240800)
- ADJ MANHOLES TO BE ADJUSTED (60255500)
- REC MANHOLES TO BE RECONSTRUCTED (60257900)
- (A) VALVE BOXES TO BE ADJUSTED (60266600)
- (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)

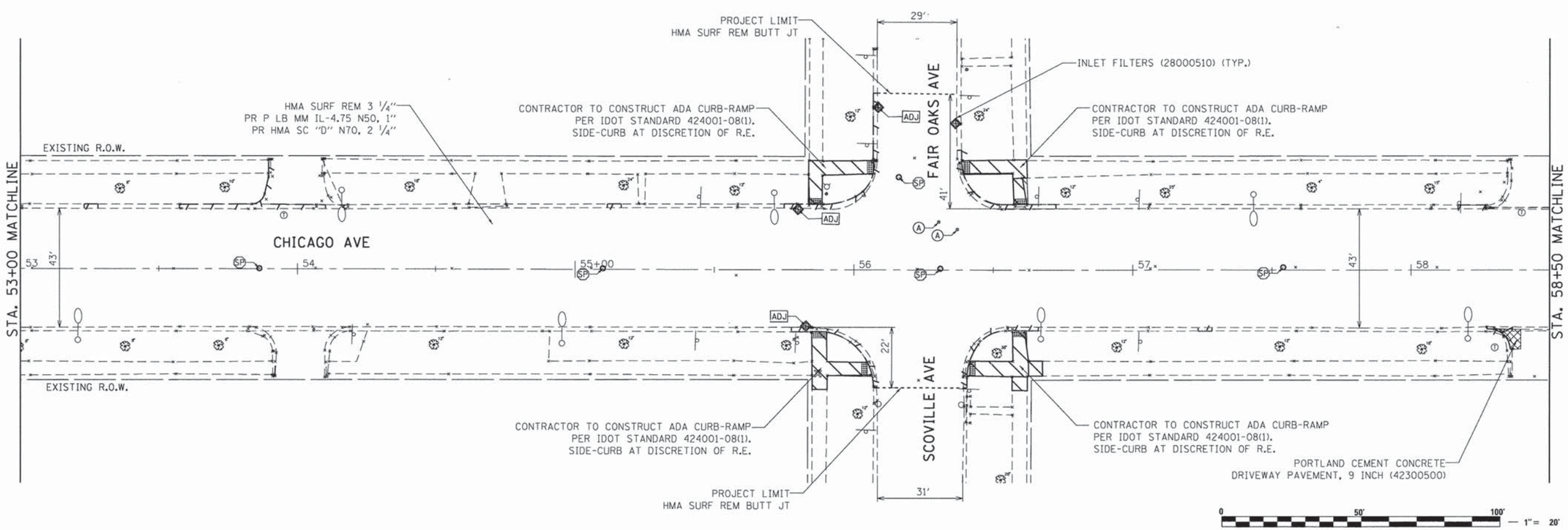
FILE NAME = 28_Proposed Plan_5.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

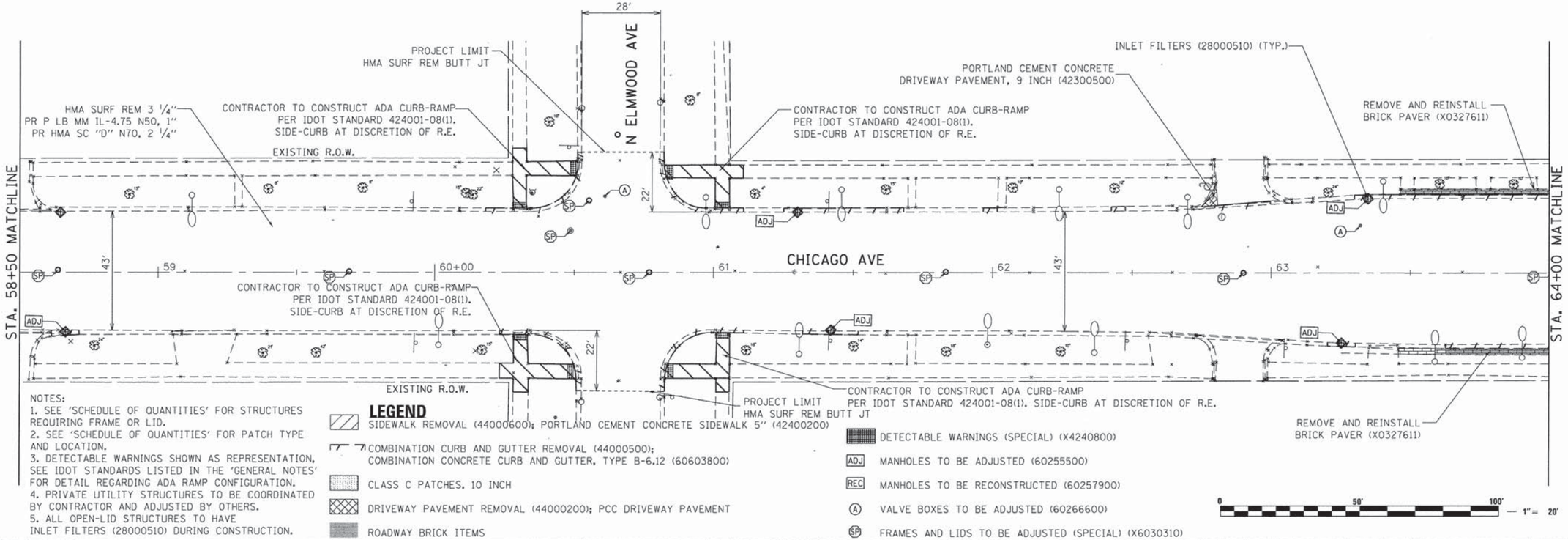
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED ROADWAY PLAN

SCALE: 1"=20' | SHEET 5 OF 9 SHEETS | STA. 42+00 TO STA. 53+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	28
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			





NOTES:
1. SEE 'SCHEDULE OF QUANTITIES' FOR STRUCTURES REQUIRING FRAME OR LID.
2. SEE 'SCHEDULE OF QUANTITIES' FOR PATCH TYPE AND LOCATION.
3. DETECTABLE WARNINGS SHOWN AS REPRESENTATION, SEE IDOT STANDARDS LISTED IN THE 'GENERAL NOTES' FOR DETAIL REGARDING ADA RAMP CONFIGURATION.
4. PRIVATE UTILITY STRUCTURES TO BE COORDINATED BY CONTRACTOR AND ADJUSTED BY OTHERS.
5. ALL OPEN-LID STRUCTURES TO HAVE INLET FILTERS (28000510) DURING CONSTRUCTION.

LEGEND

- SIDEWALK REMOVAL (44000600); PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)
- COMBINATION CURB AND GUTTER REMOVAL (44000500); COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- CLASS C PATCHES, 10 INCH
- DRIVEWAY PAVEMENT REMOVAL (44000200); PCC DRIVEWAY PAVEMENT
- ROADWAY BRICK ITEMS
- DETECTABLE WARNINGS (SPECIAL) (X4240800)
- ADJ MANHOLES TO BE ADJUSTED (60255500)
- REC MANHOLES TO BE RECONSTRUCTED (60257900)
- (A) VALVE BOXES TO BE ADJUSTED (60266600)
- (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)

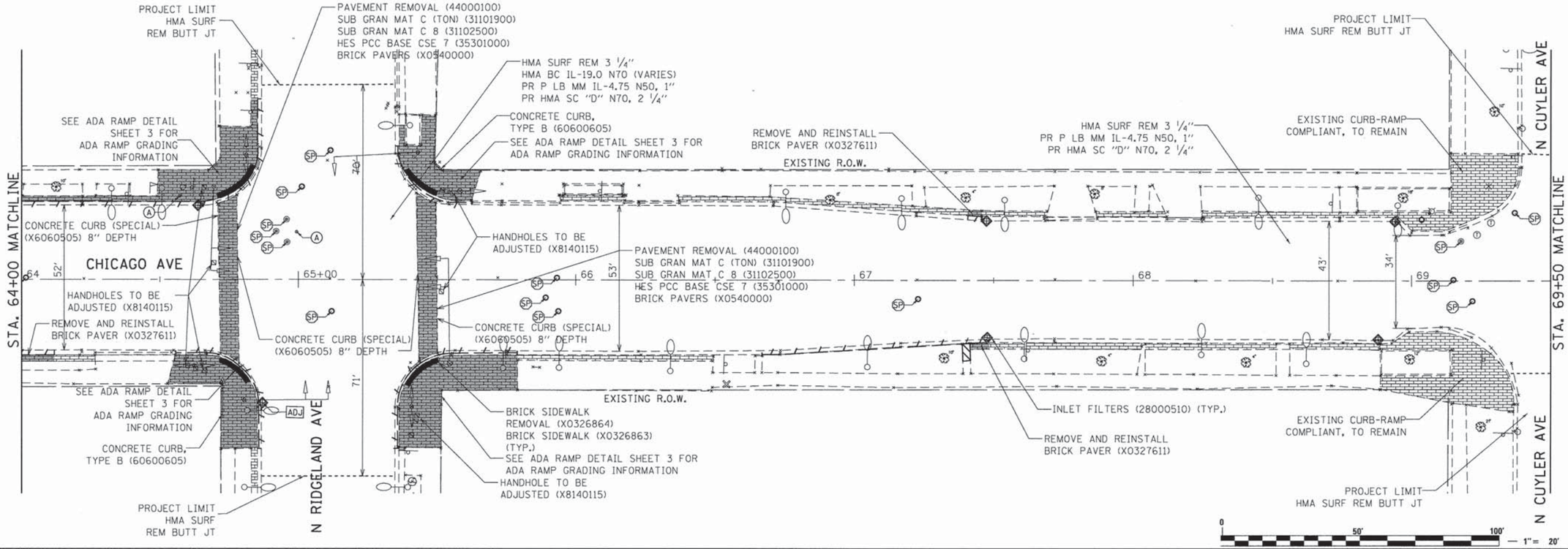
FILE NAME = 29_Proposed Plan_6.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

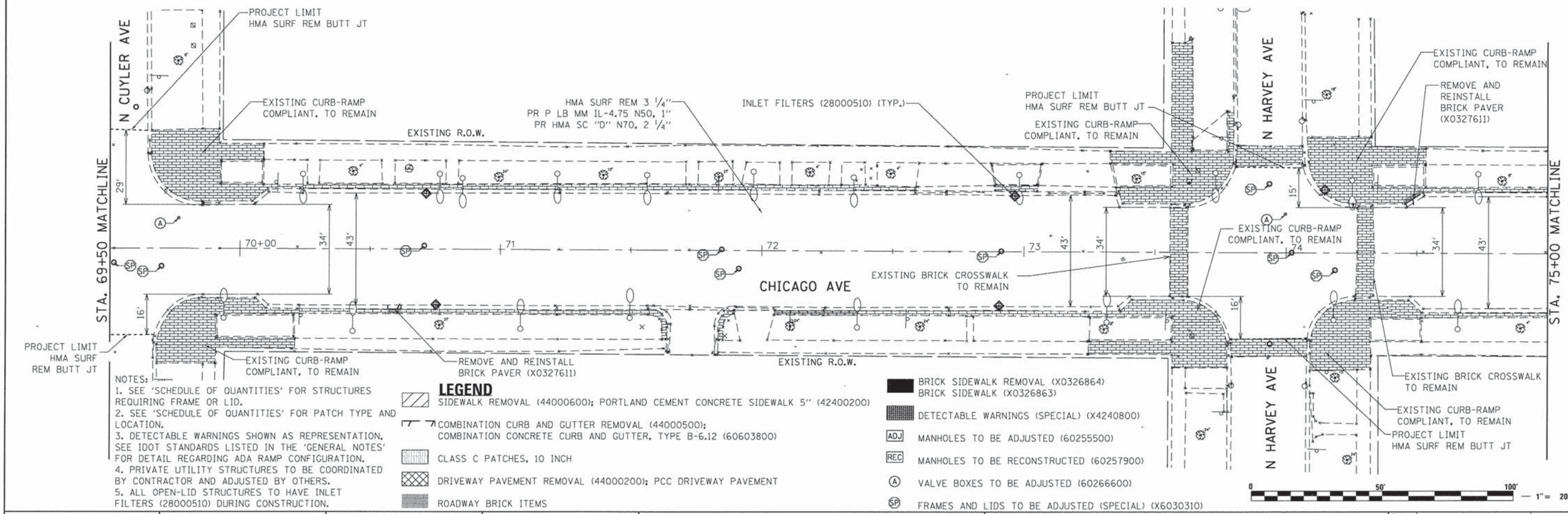
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED ROADWAY PLAN

SCALE: 1"=20' | SHEET 6 OF 9 SHEETS | STA. 53+00 TO STA. 64+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	29
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			





NOTES:
1. SEE 'SCHEDULE OF QUANTITIES' FOR STRUCTURES REQUIRING FRAME OR LID.
2. SEE 'SCHEDULE OF QUANTITIES' FOR PATCH TYPE AND LOCATION.
3. DETECTABLE WARNINGS SHOWN AS REPRESENTATION, SEE IDOT STANDARDS LISTED IN THE 'GENERAL NOTES' FOR DETAIL REGARDING ADA RAMP CONFIGURATION.
4. PRIVATE UTILITY STRUCTURES TO BE COORDINATED BY CONTRACTOR AND ADJUSTED BY OTHERS.
5. ALL OPEN-LID STRUCTURES TO HAVE INLET FILTERS (28000510) DURING CONSTRUCTION.

LEGEND

- SIDEWALK REMOVAL (44000600); PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)
- COMBINATION CURB AND GUTTER REMOVAL (44000500); COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- CLASS C PATCHES, 10 INCH
- DRIVEWAY PAVEMENT REMOVAL (44000200); PCC DRIVEWAY PAVEMENT
- ROADWAY BRICK ITEMS
- BRICK SIDEWALK REMOVAL (X0326864) BRICK SIDEWALK (X0326863)
- DETECTABLE WARNINGS (SPECIAL) (X4240800)
- ADJ MANHOLES TO BE ADJUSTED (60255500)
- REC MANHOLES TO BE RECONSTRUCTED (60257900)
- (A) VALVE BOXES TO BE ADJUSTED (60266600)
- (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)

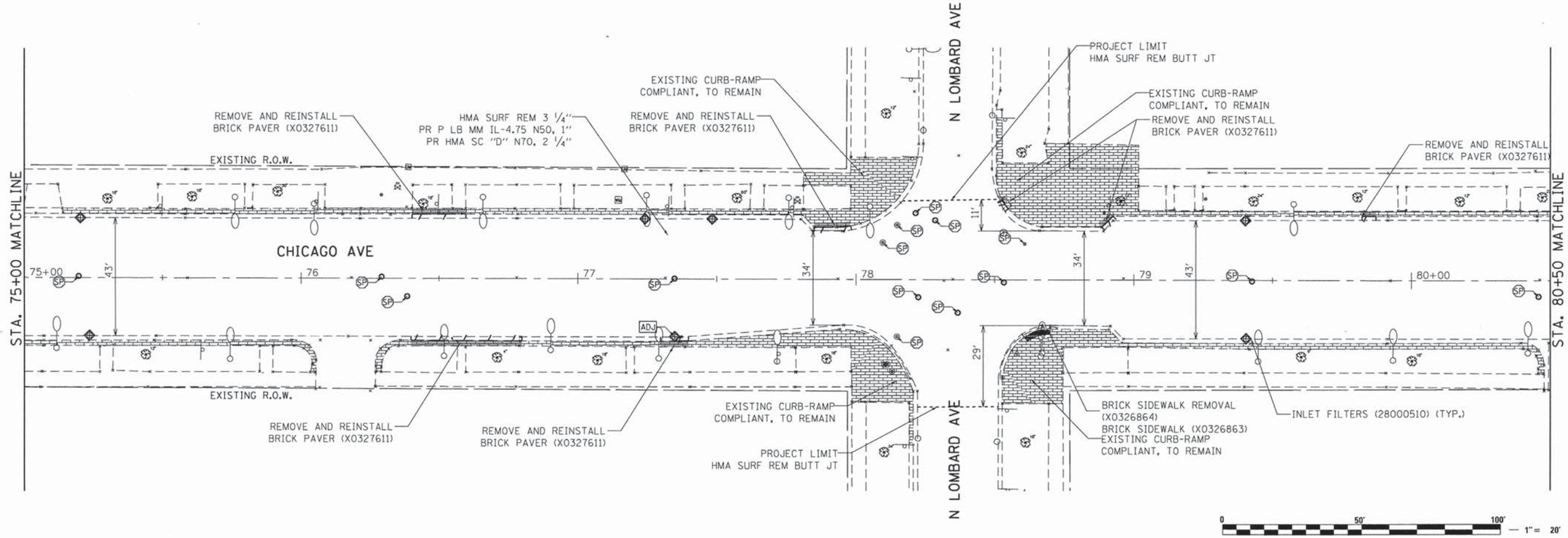
FILE NAME = 38_Proposed Plan_7.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

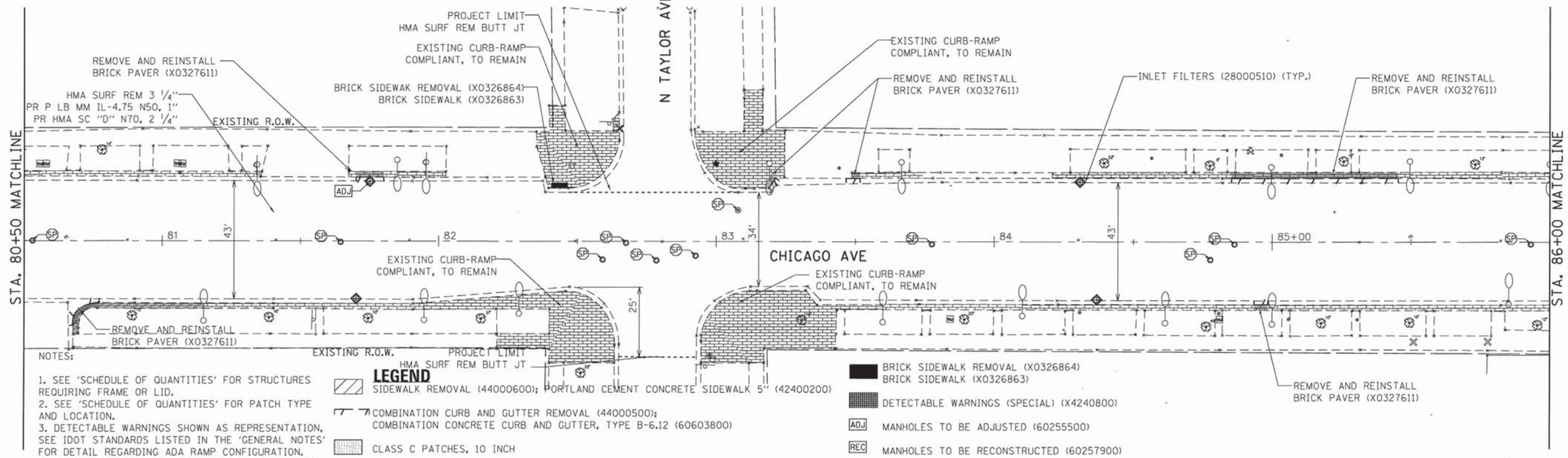
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED ROADWAY PLAN

SCALE: 1"=20' | SHEET 7 OF 9 SHEETS | STA. 64+00 TO STA. 75+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	30
		CONTRACT NO. 61C69		
		ILLINOIS FED. AID PROJECT M-4003(512)		





NOTES:

1. SEE 'SCHEDULE OF QUANTITIES' FOR STRUCTURES REQUIRING FRAME OR LID.
2. SEE 'SCHEDULE OF QUANTITIES' FOR PATCH TYPE AND LOCATION.
3. DETECTABLE WARNINGS SHOWN AS REPRESENTATION, SEE IDOT STANDARDS LISTED IN THE 'GENERAL NOTES' FOR DETAIL REGARDING ADA RAMP CONFIGURATION.
4. PRIVATE UTILITY STRUCTURES TO BE COORDINATED BY CONTRACTOR AND ADJUSTED BY OTHERS.
5. ALL OPEN-LID STRUCTURES TO HAVE INLET FILTERS (28000510) DURING CONSTRUCTION.

LEGEND

- SIDEWALK REMOVAL (44000600); PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)
- COMBINATION CURB AND GUTTER REMOVAL (44000500); COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- CLASS C PATCHES, 10 INCH
- DRIVEWAY PAVEMENT REMOVAL (44000200); PCC DRIVEWAY PAVEMENT
- ROADWAY BRICK ITEMS
- BRICK SIDEWALK REMOVAL (X0326864) BRICK SIDEWALK (X0326863)
- DETECTABLE WARNINGS (SPECIAL) (X4240800)
- ADJ MANHOLES TO BE ADJUSTED (60255500)
- REC MANHOLES TO BE RECONSTRUCTED (60257900)
- (A) VALVE BOXES TO BE ADJUSTED (60266600)
- (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)

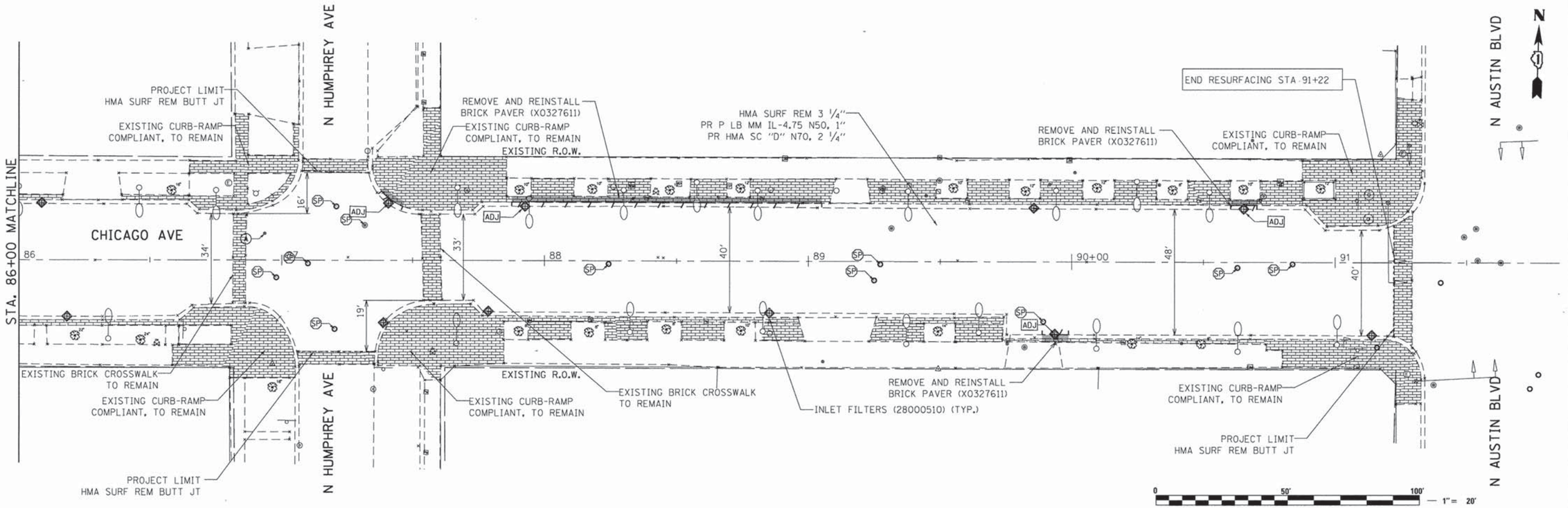
FILE NAME = 31_Proposed Plan_8.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED ROADWAY PLAN

SCALE: 1"=20' | SHEET 8 OF 9 SHEETS | STA. 75+00 TO STA. 86+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	31
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			



NOTES:

1. SEE 'SCHEDULE OF QUANTITIES' FOR STRUCTURES REQUIRING FRAME OR LID.
2. SEE 'SCHEDULE OF QUANTITIES' FOR PATCH TYPE AND LOCATION.
3. DETECTABLE WARNINGS SHOWN AS REPRESENTATION, SEE IDOT STANDARDS LISTED IN THE 'GENERAL NOTES' FOR DETAIL REGARDING ADA RAMP CONFIGURATION.
4. PRIVATE UTILITY STRUCTURES TO BE COORDINATED BY CONTRACTOR AND ADJUSTED BY OTHERS.
5. ALL OPEN-LID STRUCTURES TO HAVE INLET FILTERS (28000510) DURING CONSTRUCTION.

LEGEND

- SIDEWALK REMOVAL (44000600); PORTLAND CEMENT CONCRETE SIDEWALK 5" (42400200)
- COMBINATION CURB AND GUTTER REMOVAL (44000500); COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (60603800)
- CLASS C PATCHES, 10 INCH
- DRIVEWAY PAVEMENT REMOVAL (44000200); PCC DRIVEWAY PAVEMENT
- ROADWAY BRICK ITEMS
- DETECTABLE WARNINGS (SPECIAL) (X4240800)
- ADJ MANHOLES TO BE ADJUSTED (60255500)
- REC MANHOLES TO BE RECONSTRUCTED (60257900)
- (A) VALVE BOXES TO BE ADJUSTED (60266600)
- (SP) FRAMES AND LIDS TO BE ADJUSTED (SPECIAL) (X6030310)

0 50' 100' — 1" = 20'

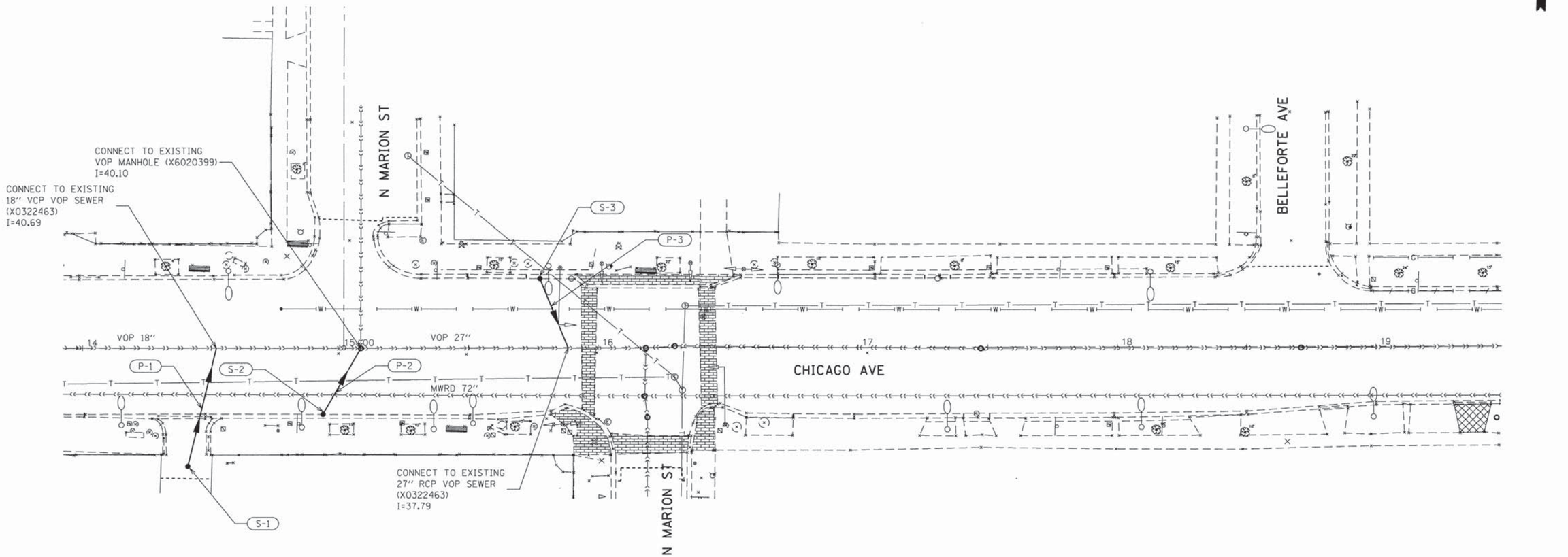
FILE NAME = 32_Proposed Plan_9.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED ROADWAY PLAN

SCALE: 1"=20' | SHEET 9 OF 9 SHEETS | STA. 86+00 TO STA. 91+22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	32
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		



DRAINAGE STRUCTURE SCHEDULE

LOCATION			STRUCTURE	RIM ELEVATION	INVERT ELEVATION	DESCRIPTION	FRAME & LID
STA	OFFSET	SIDE					
14+41.19	45.75	RT	S-1	50.45	44.25	TYPE A, 4' DIA CB	TYPE 1 OPEN
14+93.49	25.68	RT	S-2	50.33	45.25	TYPE A, 4' DIA CB	TYPE 1 OPEN
15+77.54	26.78	LT	S-3	49.90	42.25	TYPE A, 4' DIA CB	TYPE 1 OPEN

STORM SEWER PIPE SCHEDULE

PIPE NO.	SIZE (INCHES)	LENGTH	MATERIAL	UPSTREAM INV	DOWNSTREAM INV	SLOPE	TRENCH BACKFILL (CU YD)	NOTES
P-1	8"	47'	PVC, SDR 26 ASTM D-2241	45.00	40.69	9.17%	32.9	CONN. TO EXISTING 18" VCP VOP COMBINED SEWER
P-2	8"	30'	PVC, SDR 26 ASTM D-2241	46.00	40.10	19.67%	19.7	CONN. TO EXISTING VOP COMBINED SEWER MH
P-3	8"	29'	PVC, SDR 26 ASTM D-2241	43.00	37.79	17.97%	28.2	CONN. TO EXISTING 27" RCP VOP COMBINED SEWER

0 50' 100' — 1"= 20'

FILE NAME = 33_Drainage Plan.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED DRAINAGE PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 13+93 TO STA. 19+48

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	33
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

PAVEMENT MARKING AND SIGNAGE NOTES

1. FOR PAVEMENT MARKING DETAILS, SEE DETAIL SHEET FOR "DISTRICT ONE TYPICAL PAVEMENT MARKINGS."
2. ALL PREFORMED THERMOPLASTIC PAVEMENT MARKINGS TO BE USED FOR BICYCLE OR PEDESTRIAN FACILITIES SHALL BE 90 mils THICKS; HAVE A MINIMUM SKID RESISTANCE OF 60 BPN ACCORDING TO ASTM E303; HAVE AN AVERAGE MINIMUM RETROREFLECTIVITY OF 250 mcd/lx/sq m; CONFORM TO CURRENT MUTCD; AND MEET OR EXCEED IDOT SECTION 780.
3. PREFORMED SHARED LANE PAVEMENT MARKING SYMBOL AND CHEVRON COMBINATION SHALL BE 15.01 SQ FT.
4. PREFORMED BICYCLE LANE SYMBOL AND ARROW COMBINATION SHALL BE 12.89 SQ FT.

BIKE LANE SYMBOL INSTALLATION PLACEMENT NOTES

BIKE LANE SYMBOLS SHALL BE INSTALLED SUCH THAT THE MARKING IS CENTERED WITHIN THE BICYCLE LANE AT THE SPECIFIED LOCATION.

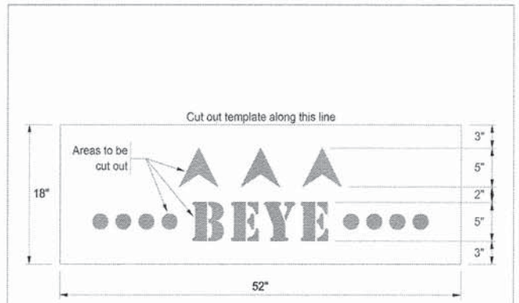
BIKE SHARED LANE SYMBOL INSTALLATION PLACEMENT NOTES

BIKE SHARED LANE SYMBOLS SHALL BE INSTALLED AT THE FOLLOWING DIMENSIONS UNLESS OTHERWISE INDICATED:

A) CENTERED AT 4 FEET FROM FACE OF CURB AT LOCATIONS WITH NO PARKING

B) CENTERED AT 4 FEET FROM THE EDGE OF THE PARKING LANE PAVEMENT MARKING

C) CENTERED AT 11 FEET FROM FACE OF CURB WHERE PARKING IS ALLOWED BUT IS NOT MARKED WITH PAVEMENT MARKINGS



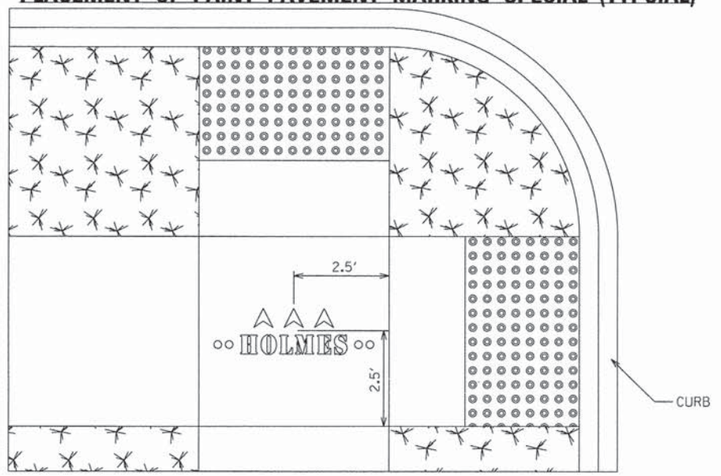
All stencil templates are 18" x 52" in size
Enlarging the PDF file drawings by a factor of six (6x) should result in full size templates of 18" x 52" in size

The stencils shall be made from 1/8" thick polyvinyl material. Standard YELLOW paint, as used for pavement markings, shall be used to apply the stencils onto the surface of the concrete sidewalk.

The number of circles used in the templates vary from zero for Longfellow School to four for Beye School. Because the length of each school name varies, these circles are used as filler. Using the circles ensures that all of the school stencils as painted on the sidewalk are approximately 46 inches wide regardless of the length of the school name.

Oak Park Engineering Division	Scale: 1" = Ft. By: MJK Date: 10/16/08	TYPICAL STENCIL DESIGN FOR SCHOOL NAMES TO BE STENCILED ONTO SIDEWALK ALONG SAFE WALKING ROUTES TO SCHOOL
Filename:		

PLACEMENT OF PAINT PAVEMENT MARKING SPECIAL (TYPCIAL)



MARKINGS SHALL MATCH THE ORIENTATION AND DIRECTION AS SHOWN ON THE PLANS.

PAINT PAVEMENT MARKING SPECIAL (SAFE ROUTE TO SCHOOL) LEGEND

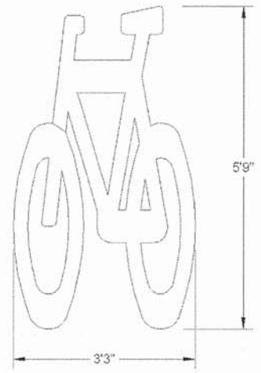
PAVEMENT MARKING LEGEND

1. 4" THERMOPLASTIC WHITE SOLID LINE
2. 6" THERMOPLASTIC WHITE SKIP DASH (2' DASH, 6' SKIP)
3. 2-4" THERMOPLASTIC YELLOW SOLID LINES @ 11" C-C
4. 6" THERMOPLASTIC WHITE SOLID LINE
5. 12" THERMOPLASTIC WHITE SOLID LINE AT 45° SPACED 11' C-C
6. 12" THERMOPLASTIC YELLOW SOLID LINE AT 45° SPACED 11' C-C
7. 12" THERMOPLASTIC WHITE SCHOOL CROSSWALK LINES
8. 24" THERMOPLASTIC WHITE SOLID LINES
9. THERMOPLASTIC LETTERS & SYMBOLS, WHITE LARGE SIZE
10. PREFORMED THERMOPLASTIC LETTERS & SYMBOLS WHITE SHARED LANE MARKING
11. PAINT PAVEMENT MARKING SPECIAL (SAFE ROUTE TO SCHOOL) SEE DETAIL
12. 12" THERMOPLASTIC WHITE SOLID LINE AT 45° SPACED 5' C-C
13. PREFORMED THERMOPLASTIC LETTERS & SYMBOLS WHITE BIKE LANE MARKING
14. 12" THERMOPLASTIC YELLOW SOLID LINE AT 45° SPACED 5' C-C

BIKE LANE SYMBOL DETAILS

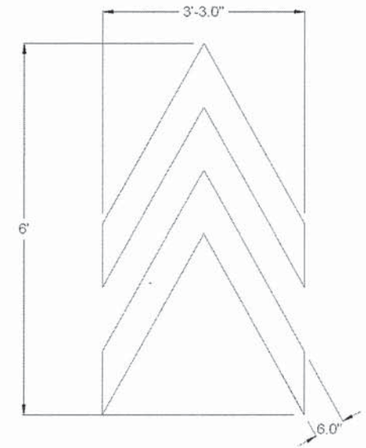
CITY OF CHICAGO STRAIGHT ARROW

PREMARK Design Number PM600460



CITY OF CHICAGO BIKE SYMBOL

PREMARK Design Number PM600459



6' x 2'3" BIKE CHEVRONS W/6"STROKE

Design Number PM600962

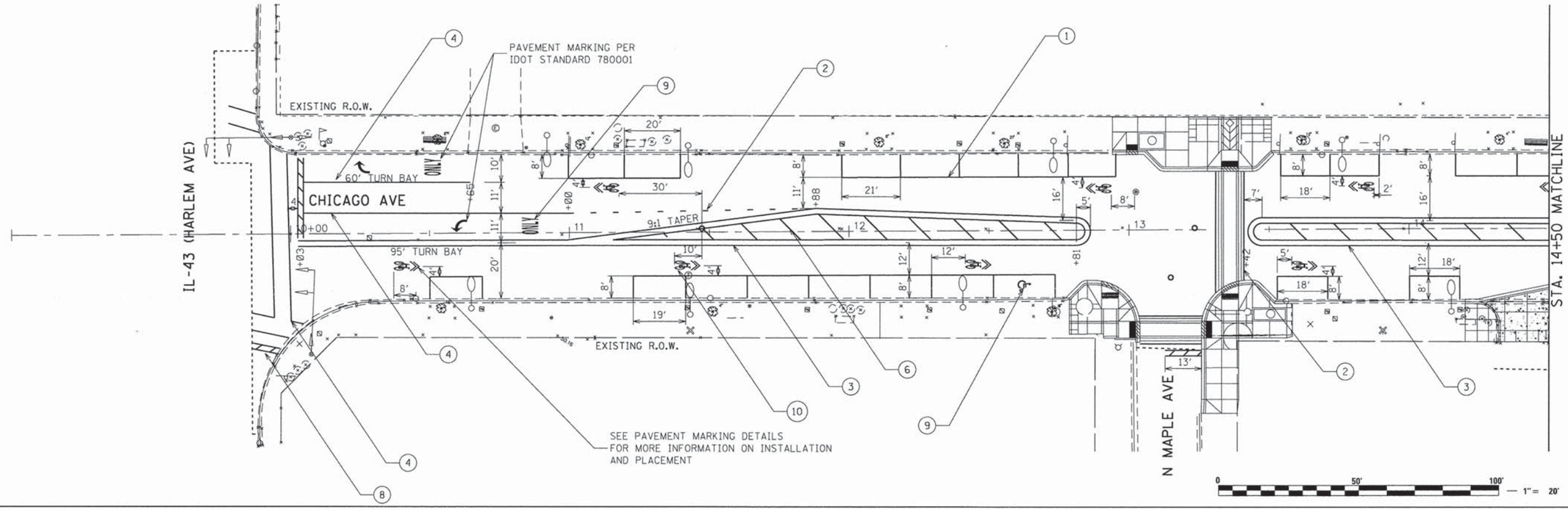
FILE NAME = 34_PavementMarking_0.dgn Default	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

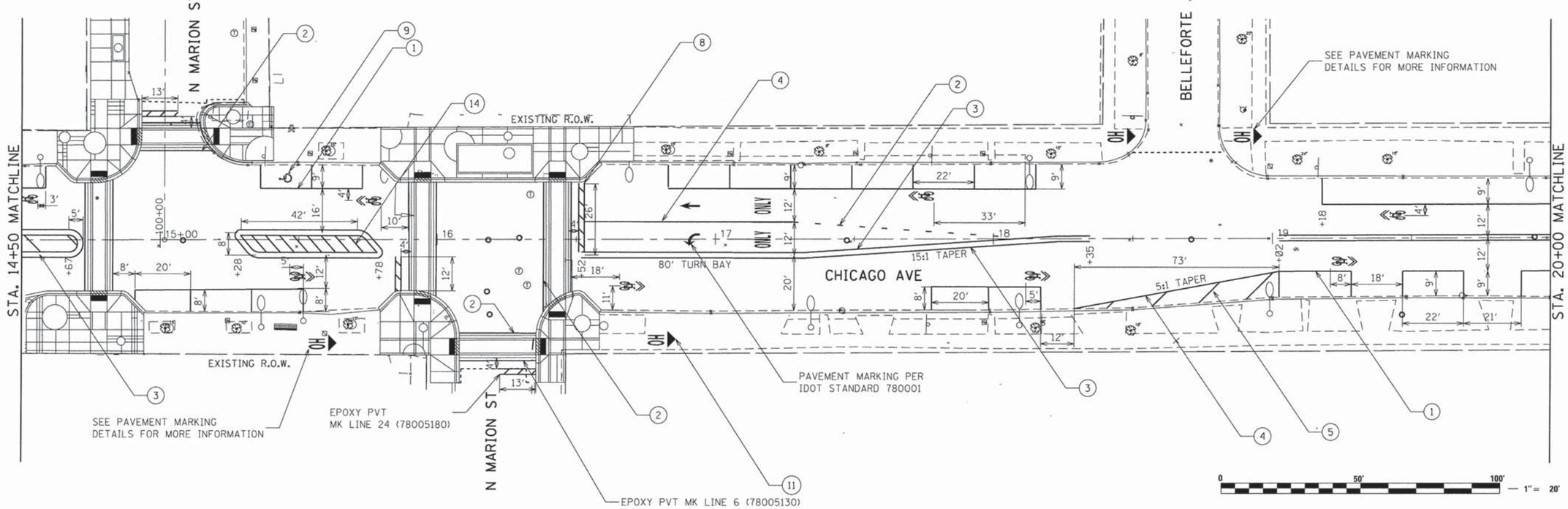
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED PAVEMENT MARKINGS AND LEGEND

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	34
		CONTRACT NO. 61C69		
		ILLINOIS FED. AID PROJECT M-4003(512)		





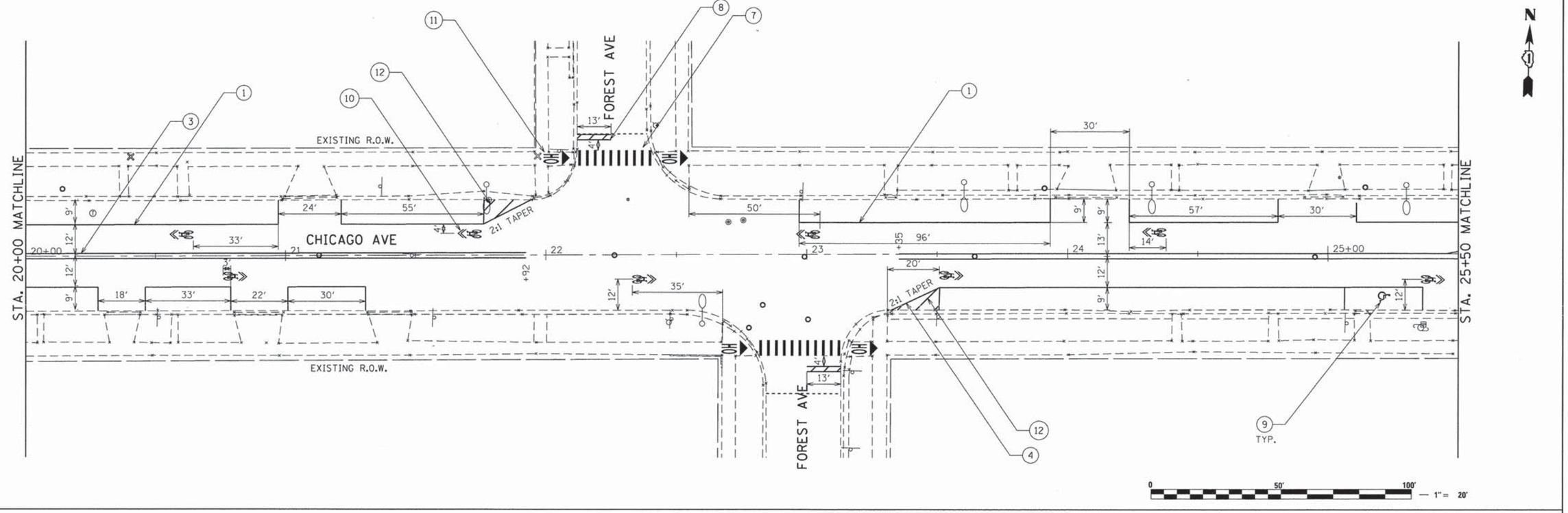
FILE NAME = 35_PavementMarking_1.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

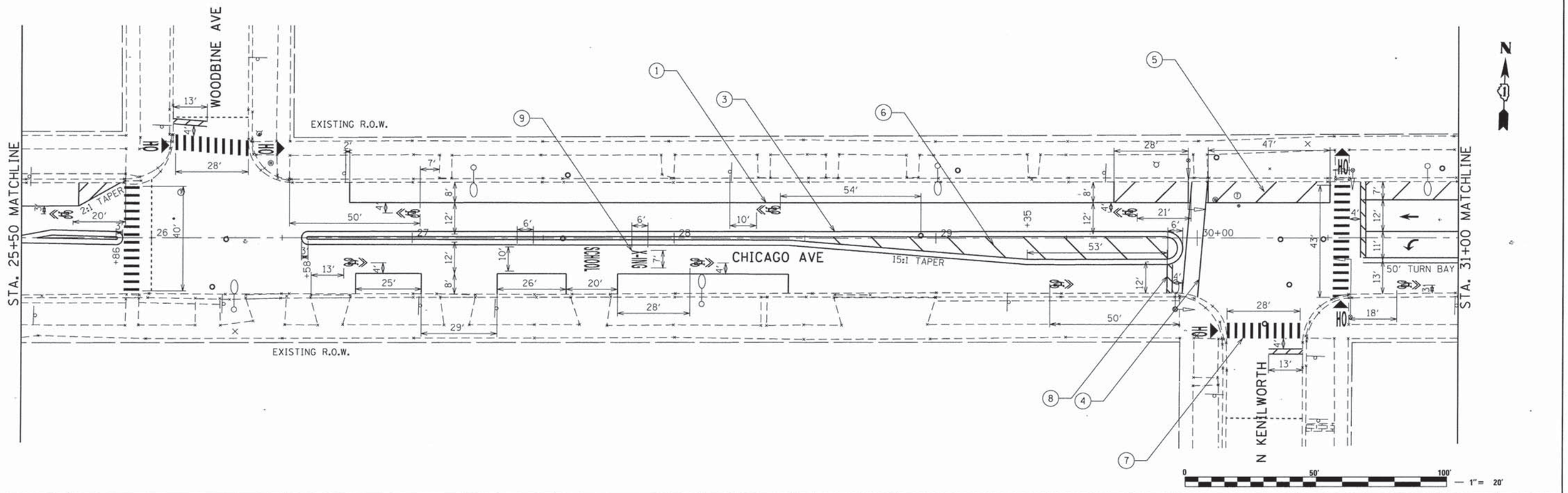
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED PAVEMENT MARKING PLAN

SCALE: 1"=20' | SHEET 1 OF 8 SHEETS | STA. 09+86 TO STA. 20+00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	35
		CONTRACT NO. 61C69		
		ILLINOIS FED. AID PROJECT M-4003(512)		





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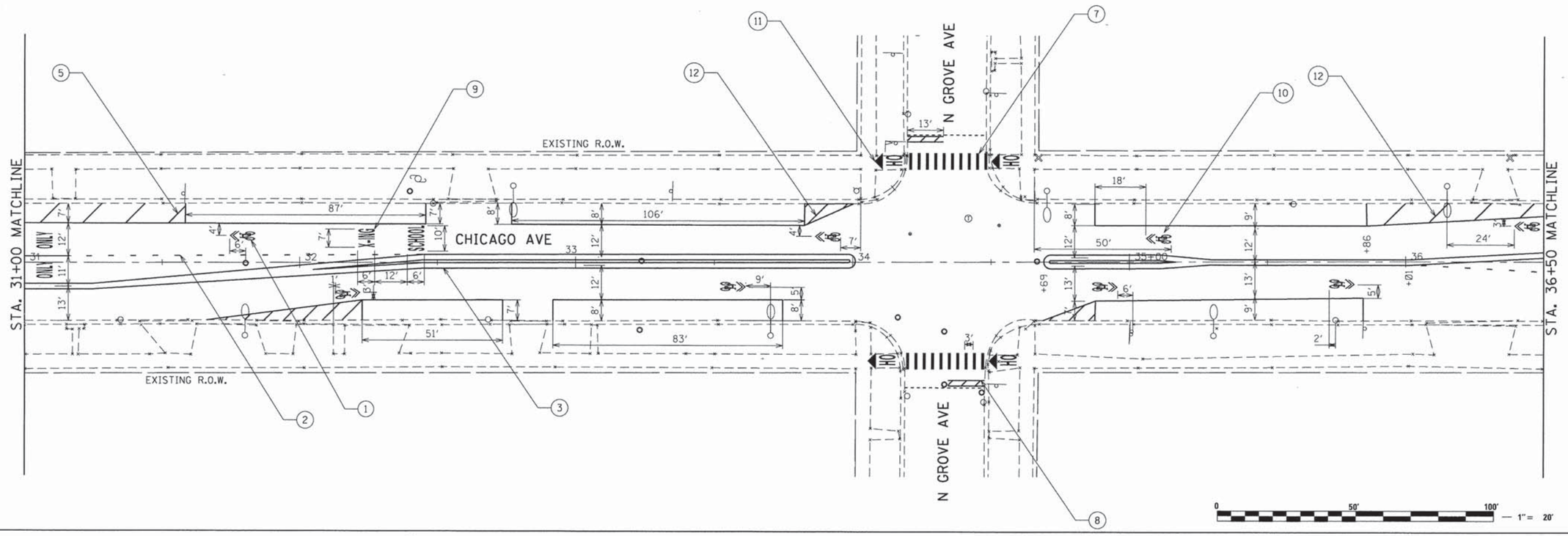
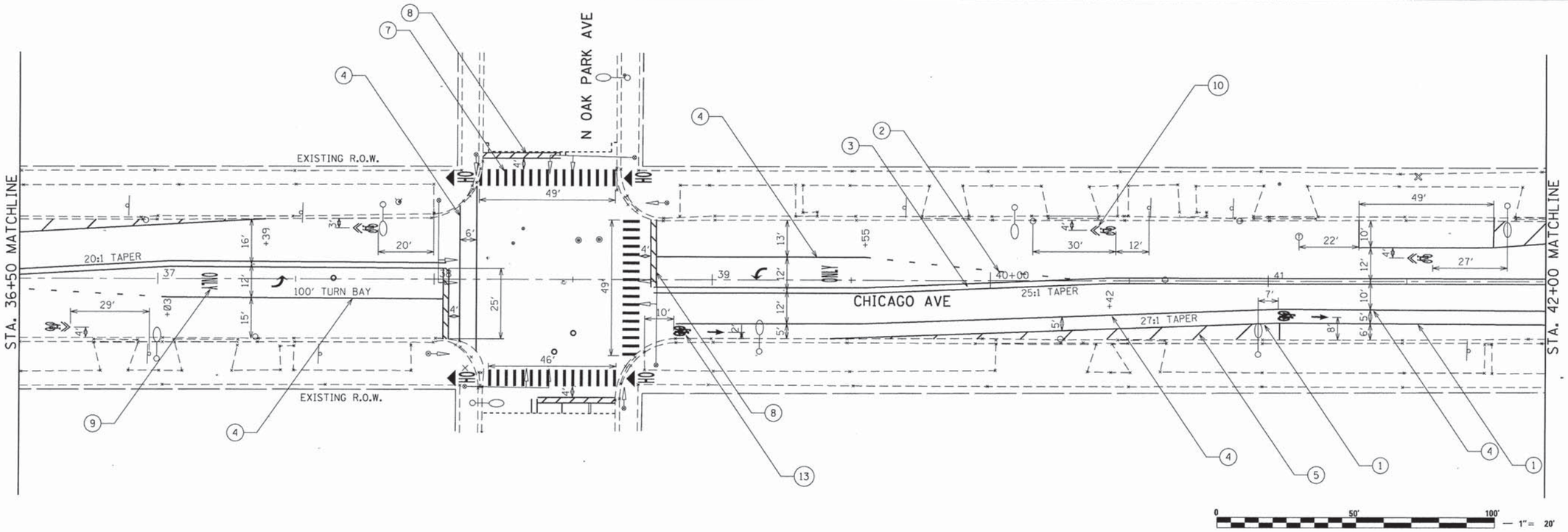
		DRAWN - DPS	REVISED -	
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -	
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -	

CHICAGO AVENUE
PROPOSED PAVEMENT MARKING PLAN

SCALE: 1"=20' | SHEET 2 OF 8 SHEETS | STA. 20+00 TO STA. 31+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	36
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		





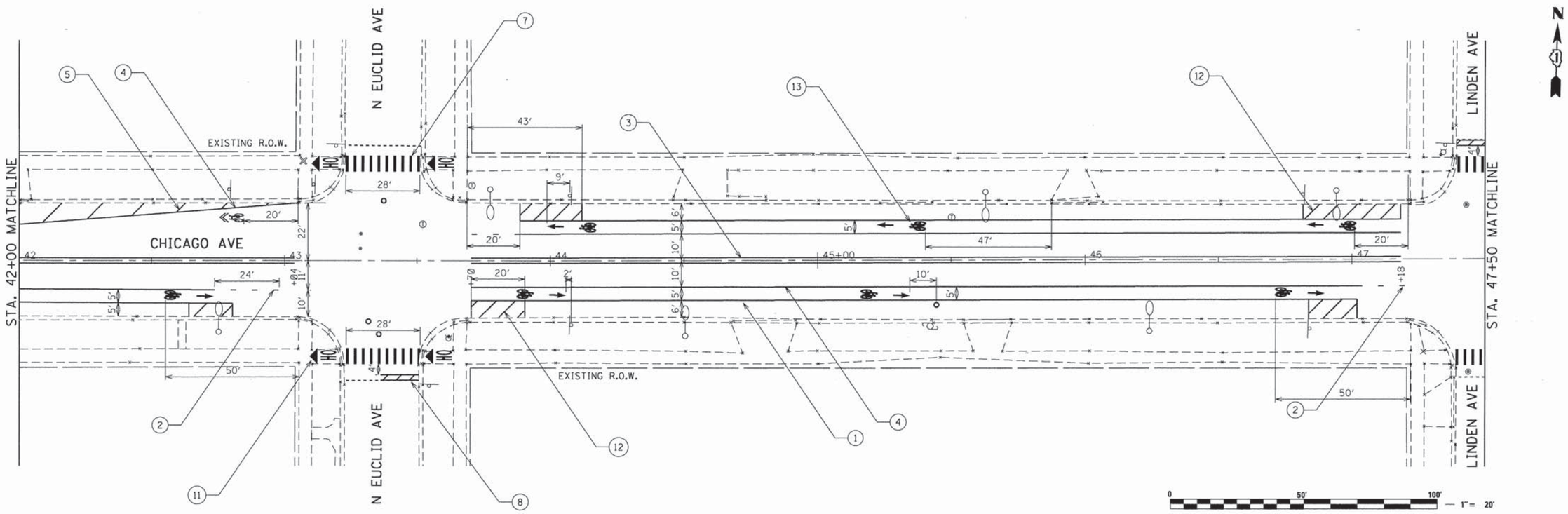
FILE NAME = 37_PavementMarking_3.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

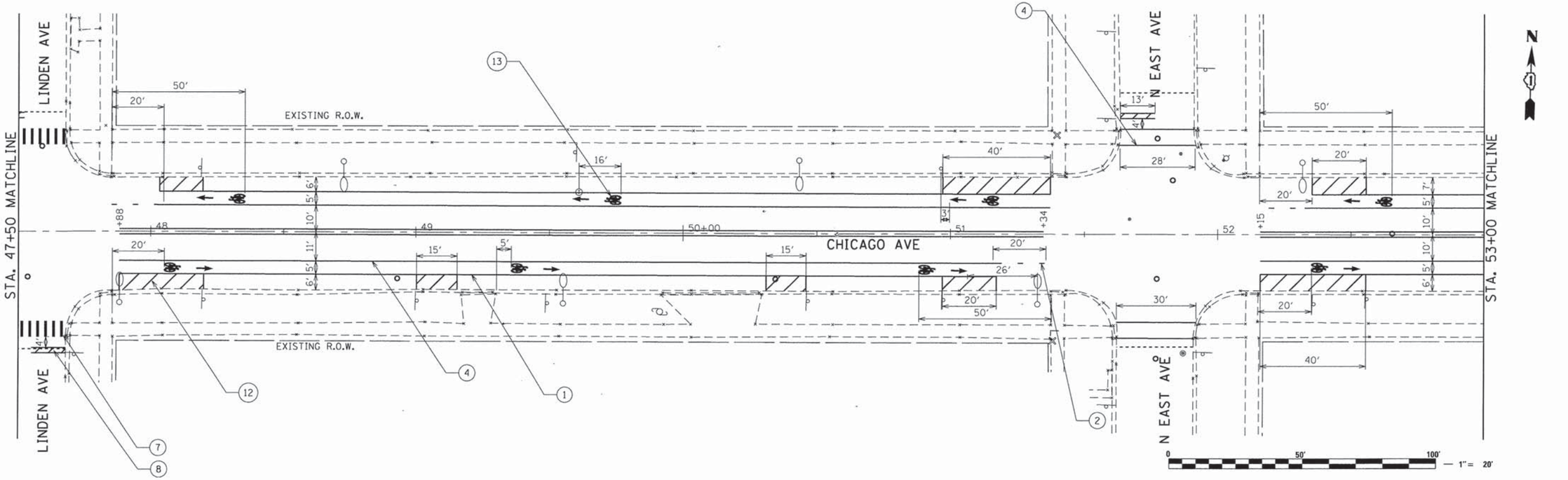
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED PAVEMENT MARKING PLAN

SCALE: 1"=20' | SHEET 3 OF 8 SHEETS | STA. 31+00 TO STA. 42+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	37
		CONTRACT NO. 61C69		
		ILLINOIS	FED. AID PROJECT M-4003(512)	





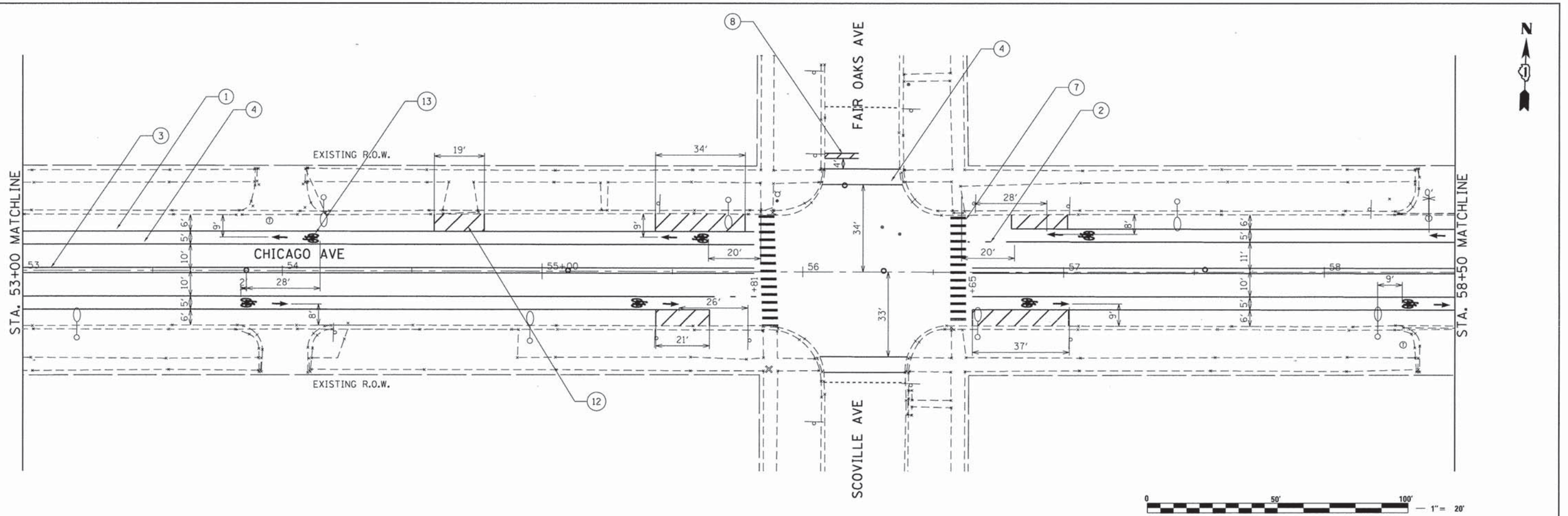
FILE NAME = 38_PavementMarking_4.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

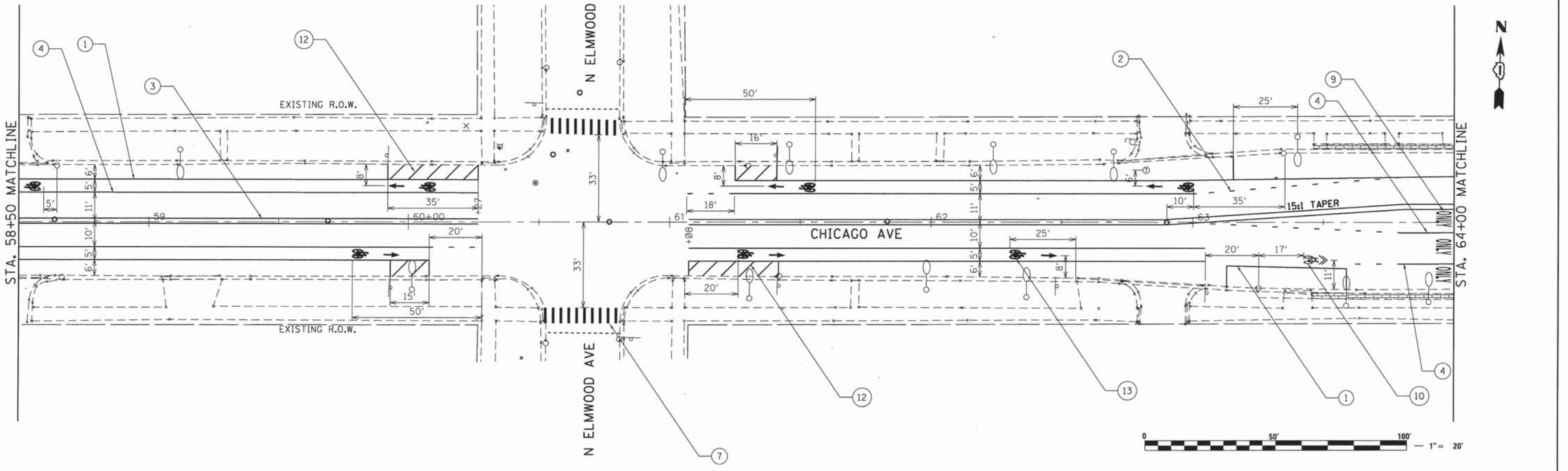
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED PAVEMENT MARKING PLAN

SCALE: 1"=20' | SHEET 4 OF 8 SHEETS | STA. 42+00 TO STA. 53+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	38
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			





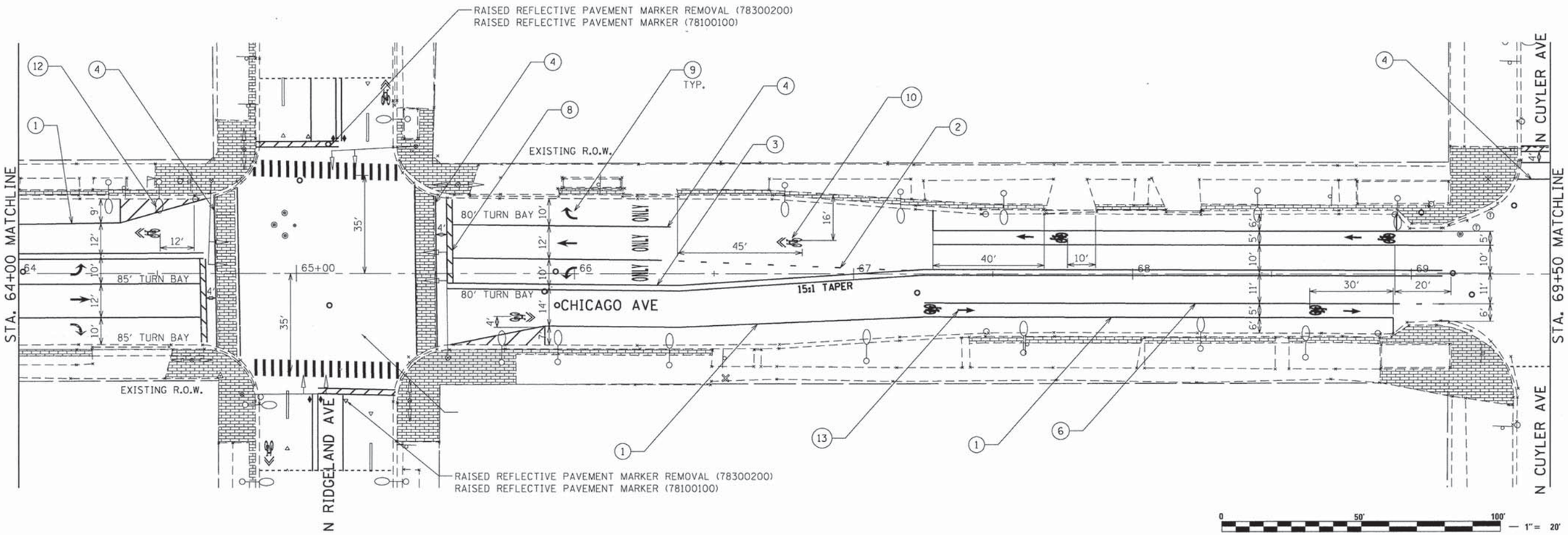
FILE NAME = 39_PavementMarking_5.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED PAVEMENT MARKING PLAN

SCALE: 1"=20' | SHEET 5 OF 8 SHEETS | STA. 53+00 TO STA. 64+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	39
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			



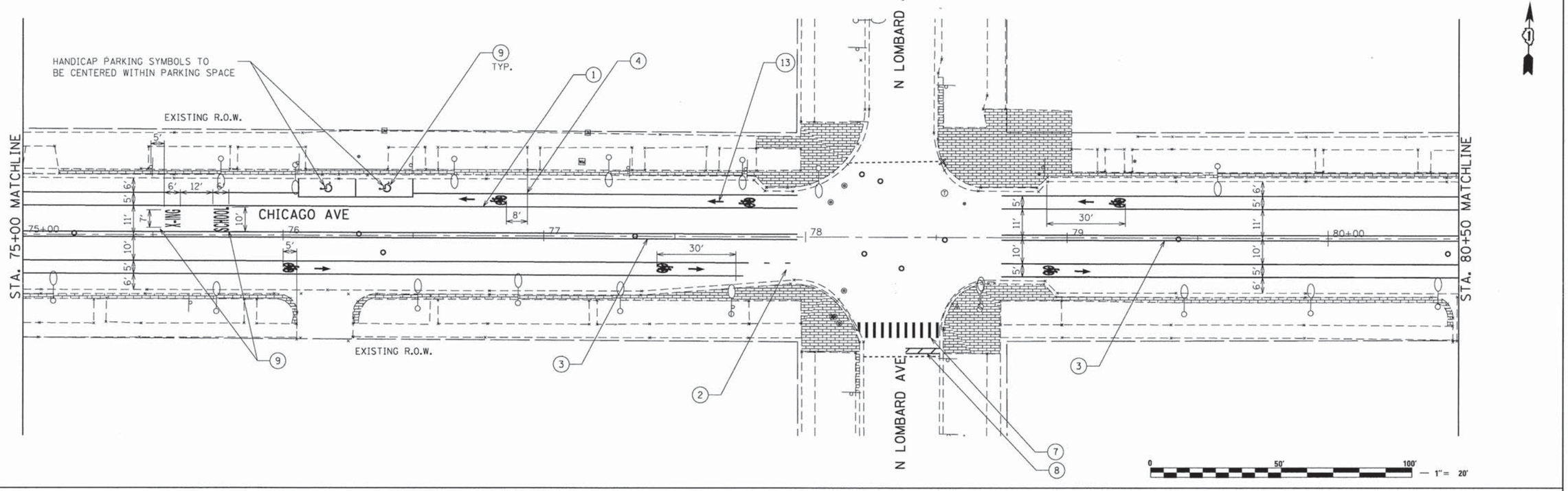
FILE NAME = 40_PavementMarking_6.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

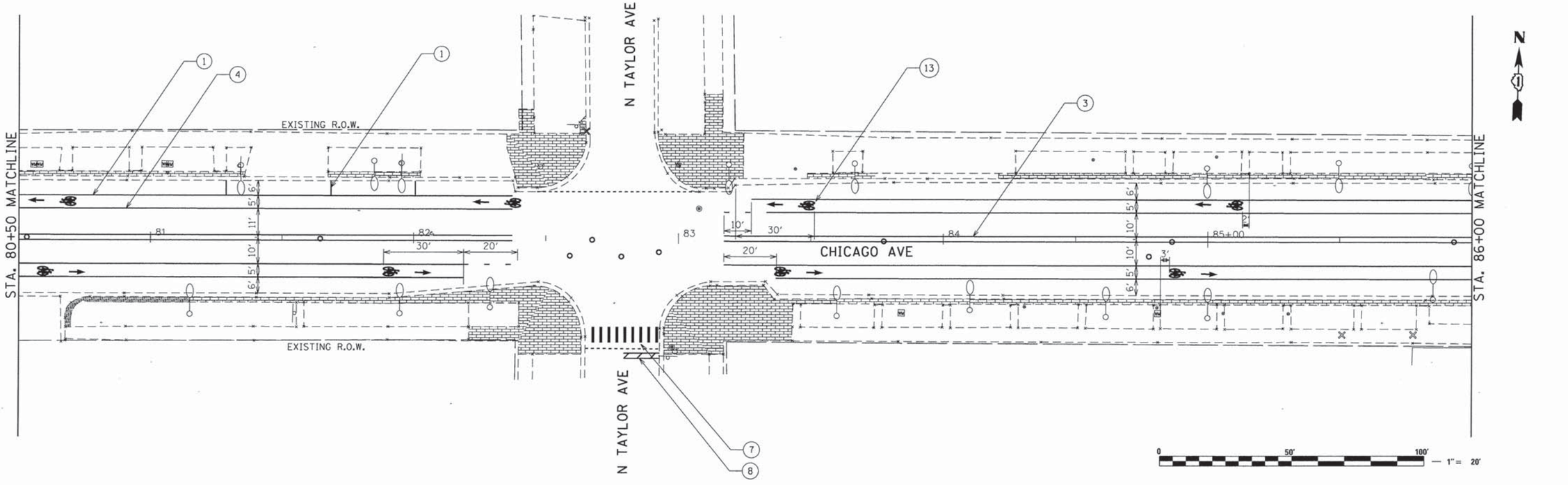
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED PAVEMENT MARKING PLAN

SCALE: 1"=20' | SHEET 6 OF 8 SHEETS | STA. 64+00 TO STA. 75+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	40
		CONTRACT NO. 61C69		
ILLINOIS	FED. AID PROJECT M-4003(512)			





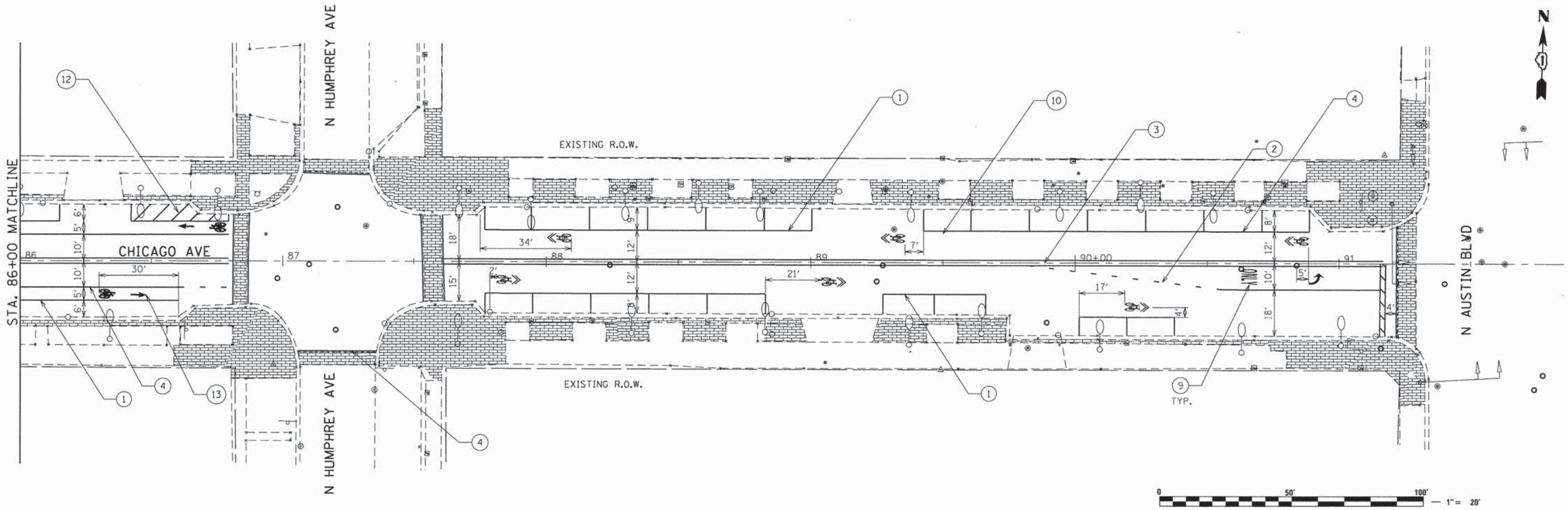
FILE NAME = 41_PavementMarking_7.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
PROPOSED PAVEMENT MARKING PLAN

SCALE: 1"=20' | SHEET 7 OF 8 SHEETS | STA. 75+00 TO STA. 86+00

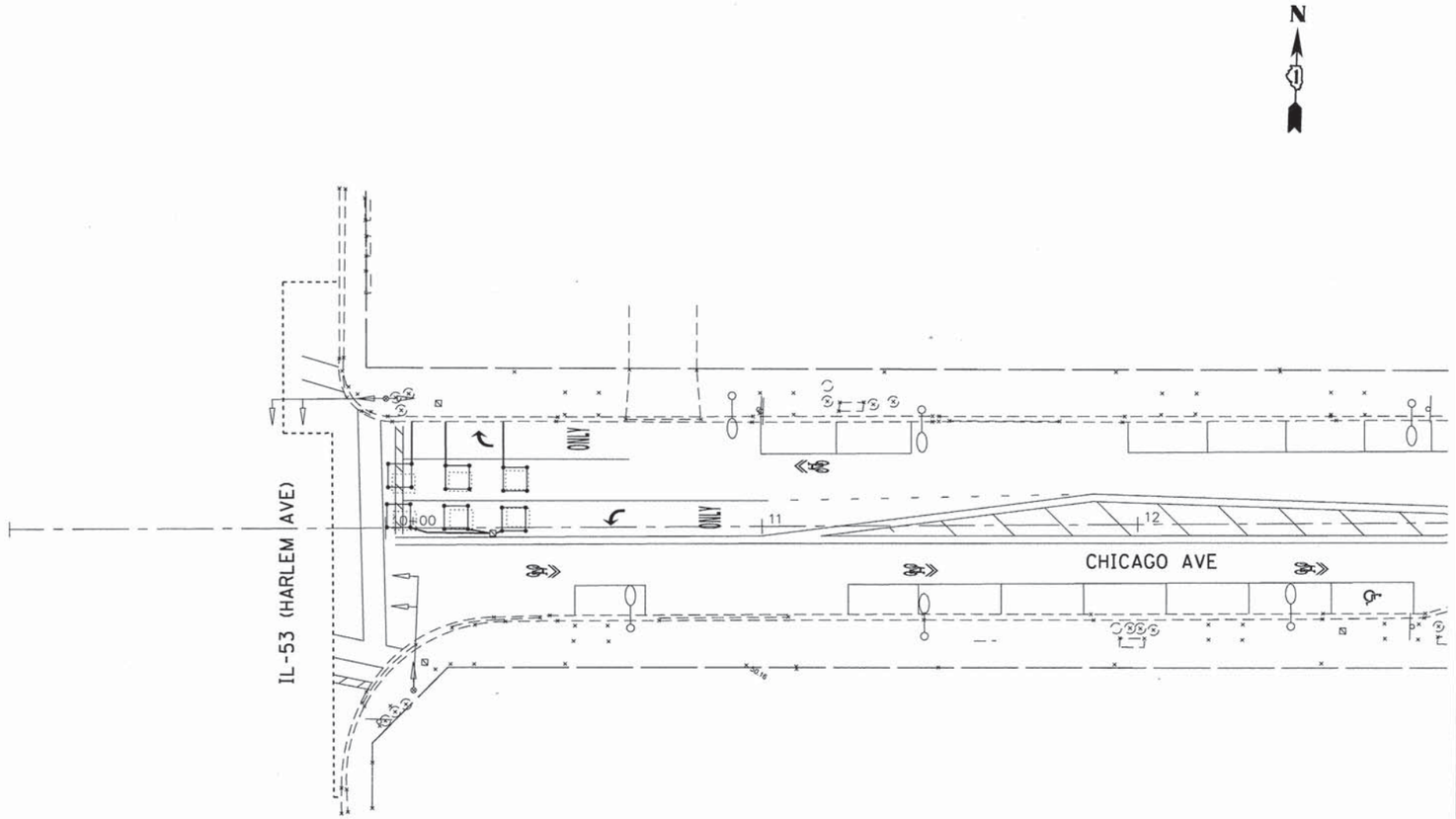
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	41
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		



0 50' 100' — 1" = 20'

FILE NAME = 42_PavementMarking_8.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CHICAGO AVENUE PROPOSED PAVEMENT MARKING PLAN**
		DRAWN - DPS	REVISED -		
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -		
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -		SCALE: 1"=20' | SHEET 8 OF 8 SHEETS | STA. 86+00 TO STA. 91+22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	42
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			



CODE NO.	ITEM	LOCATION	UNIT	TOTAL QUANTITY
88600600	DETECTOR LOOP REPLACEMENT	10+00 LT TO 10+38 LT	FOOT	209

0 50' 100' — 1"= 20'

NOTE: LOOP LAYOUT FOR INFORMATIONAL PURPOSES, REFER TO HIGHWAY STANDARDS AND DISTRICT ONE DETAIL TS-07.

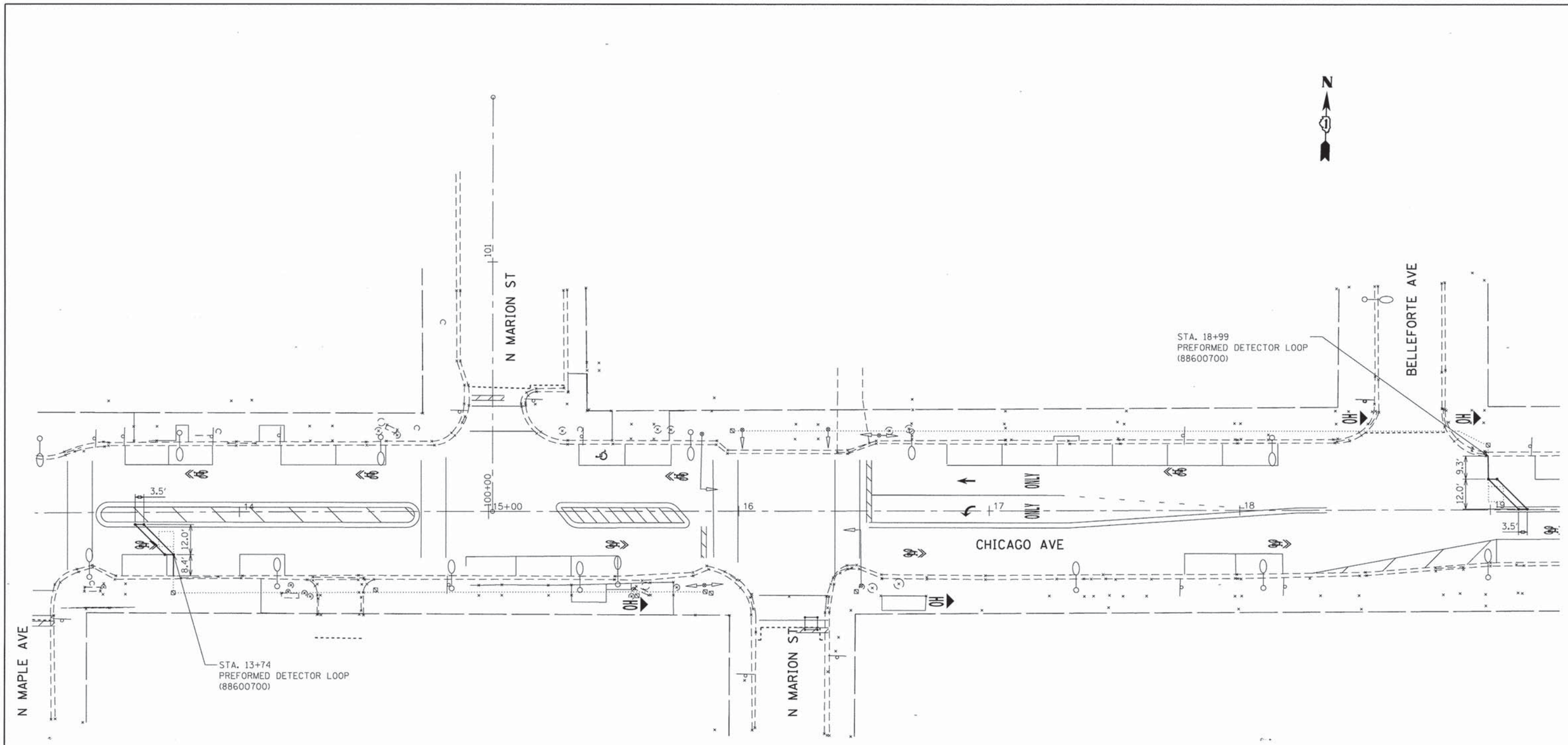
FILE NAME = 43_Detector Loops_1.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE. AT HARLEM AVE.
DETECTOR LOOP PLAN

SCALE: 1"=20' | SHEET 1 OF 5 SHEETS | STA. 9+86 TO STA. 12+82

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	43
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		



CODE NO.	ITEM	LOCATION	UNIT	TOTAL QUANTITY
X8850107	INDUCTIVE LOOP DETECTOR, RACK MOUNTED WITH SYSTEM OUTPUT	WITHIN PROJECT LIMITS	EACH	1
88600600	DETECTOR LOOP REPLACEMENT	WITHIN PROJECT LIMITS	FOOT	24
88600700	PREFORMED DETECTOR LOOP	WITHIN PROJECT LIMITS	FOOT	85

NOTE: LOOP LAYOUT FOR INFORMATIONAL PURPOSES, REFER TO HIGHWAY STANDARDS AND DISTRICT ONE DETAIL TS-07.

0 50' 100' — 1"= 20'

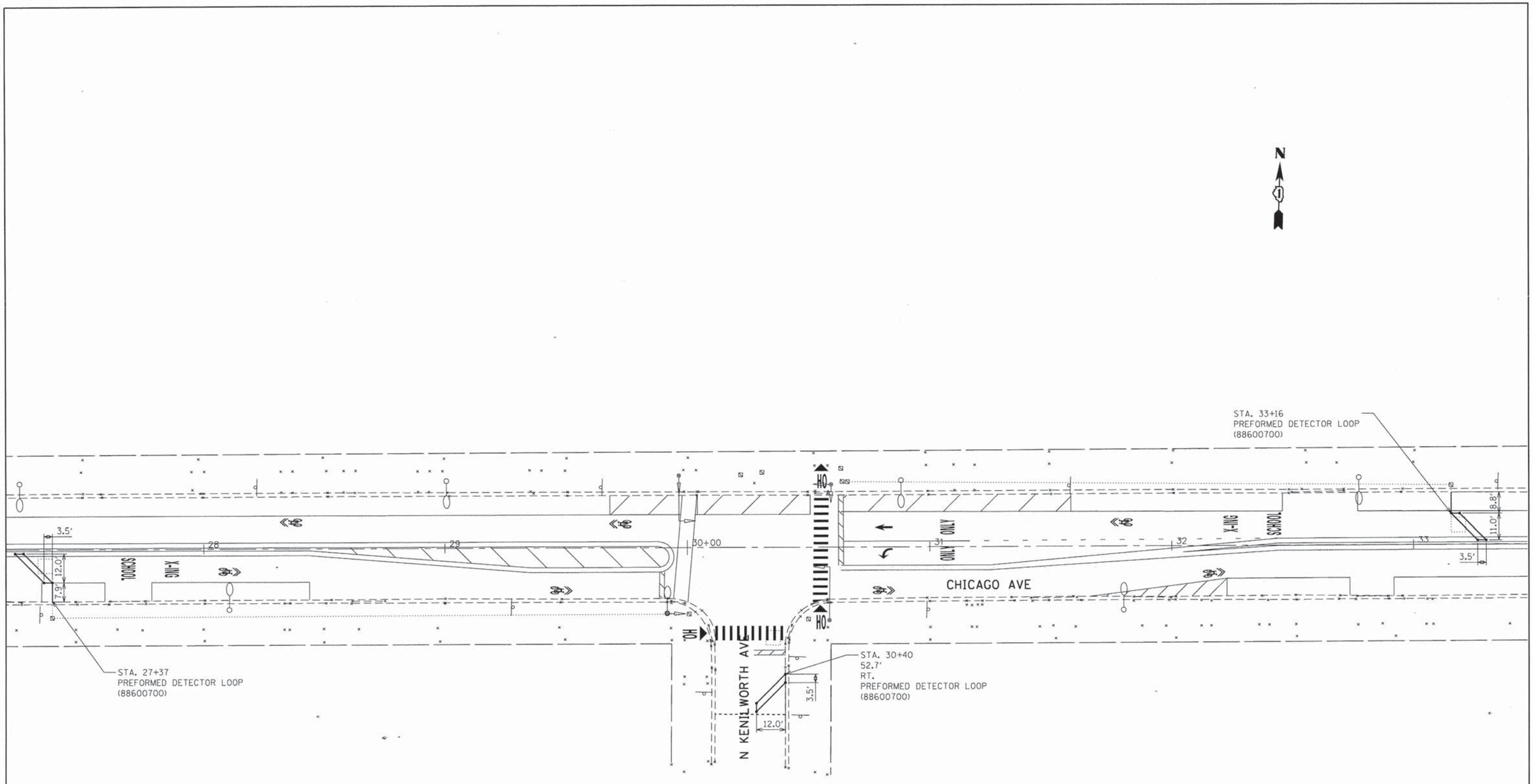
FILE NAME = 44_Detector Loops_2.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE. AT MARION ST.
DETECTOR LOOP PLAN

SCALE: 1"=20' | SHEET 2 OF 5 SHEETS | STA. 13+18 TO STA. 19+27

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	44
		CONTRACT NO. 61C69		
		ILLINOIS FED. AID PROJECT M-4003(512)		



CODE NO.	ITEM	LOCATION	UNIT	TOTAL QUANTITY
X8850107	INDUCTIVE LOOP DETECTOR, RACK MOUNTED WITH SYSTEM OUTPUT	WITHIN PROJECT LIMITS	EACH	2
88600700	PREFORMED DETECTOR LOOP	WITHIN PROJECT LIMITS	FOOT	120

NOTE: LOOP LAYOUT FOR INFORMATIONAL PURPOSES, REFER TO HIGHWAY STANDARDS AND DISTRICT ONE DETAIL TS-07.

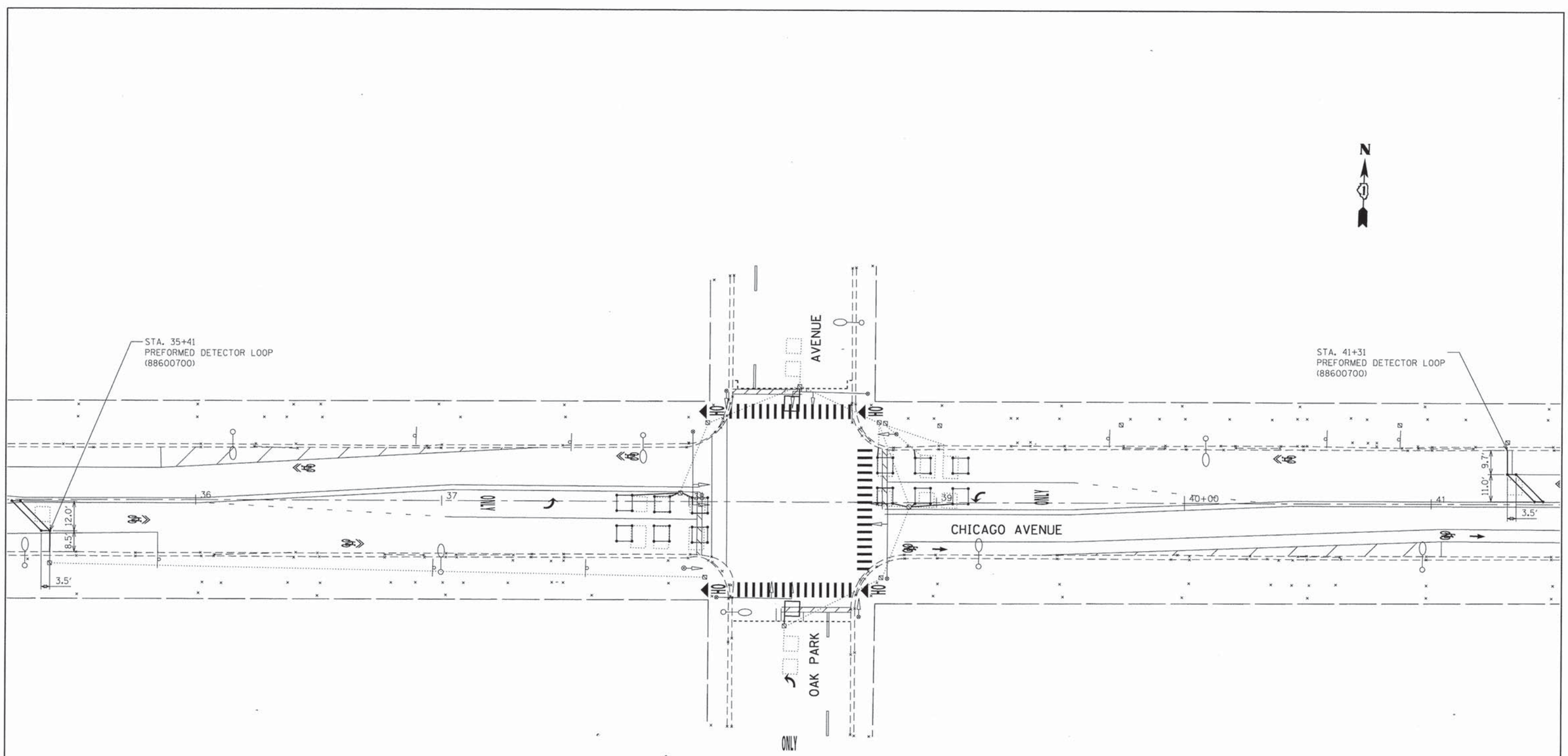
FILE NAME = 45_Detector Loops_3.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE. AT KENILWORTH AVE.
DETECTOR LOOP PLAN

SCALE: 1"=20' | SHEET 3 OF 5 SHEETS | STA. 27+24 TO STA. 33+43

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	45
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			



CODE NO.	ITEM	LOCATION	UNIT	TOTAL QUANTITY
X8850107	INDUCTIVE LOOP DETECTOR, RACK MOUNTED WITH SYSTEM OUTPUT	WITHIN PROJECT LIMITS	EACH	2
88600600	DETECTOR LOOP REPLACEMENT	WITHIN PROJECT LIMITS	FOOT	394
88600700	PREFORMED DETECTOR LOOP	WITHIN PROJECT LIMITS	FOOT	85

0 50' 100' — 1" = 20'

NOTE: LOOP LAYOUT FOR INFORMATIONAL PURPOSES, REFER TO HIGHWAY STANDARDS AND DISTRICT ONE DETAIL TS-07.

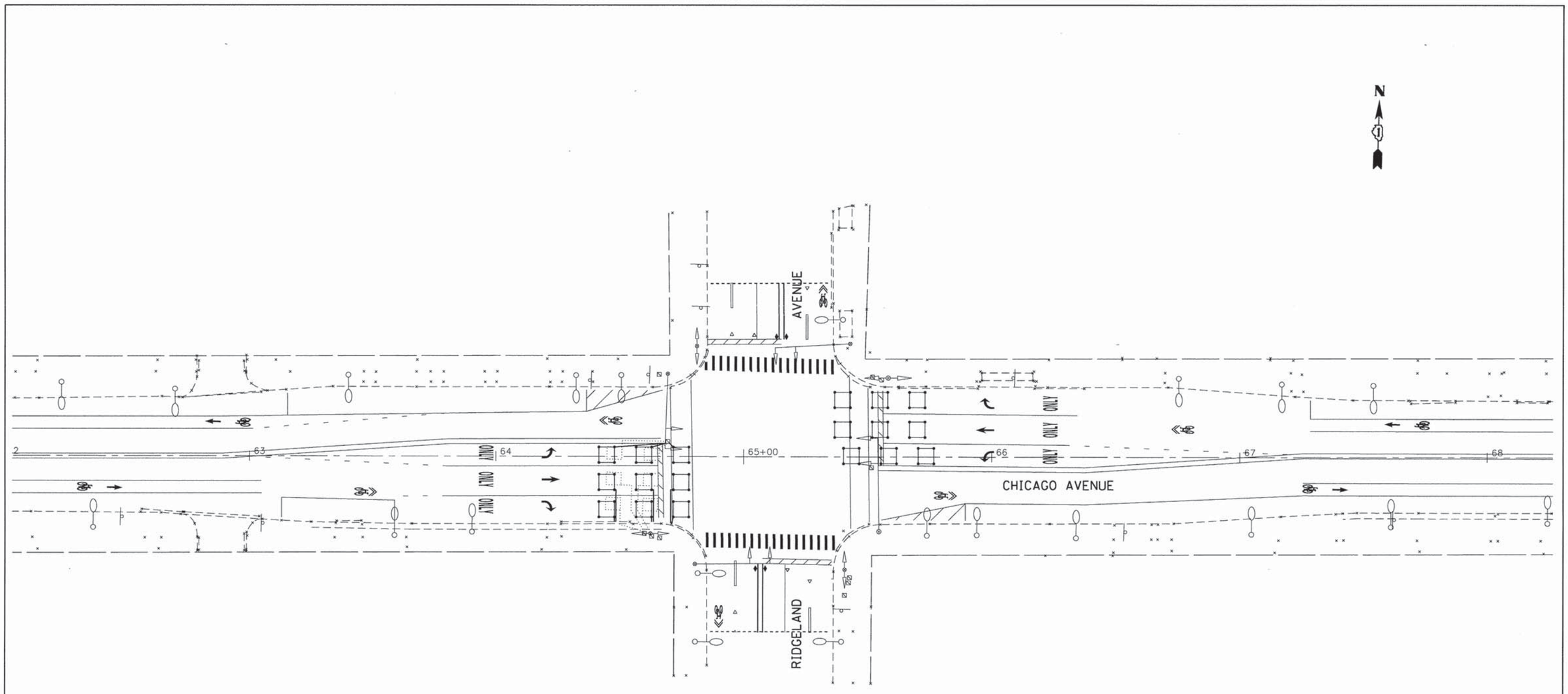
FILE NAME = 46_Detector Loops_4.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE. AT OAK PARK AVE.
DETECTOR LOOP PLAN

SCALE: 1"=20' | SHEET 4 OF 5 SHEETS | STA. 35+29 | TO STA. 41+45

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	46
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		



CODE NO.	ITEM	LOCATION	UNIT	TOTAL QUANTITY
88600600	DETECTOR LOOP REPLACEMENT	64+42 RT TO 65+77 LT	FOOT	580

NOTE: LOOP LAYOUT FOR INFORMATIONAL PURPOSES, REFER TO HIGHWAY STANDARDS AND DISTRICT ONE DETAIL TS-07.

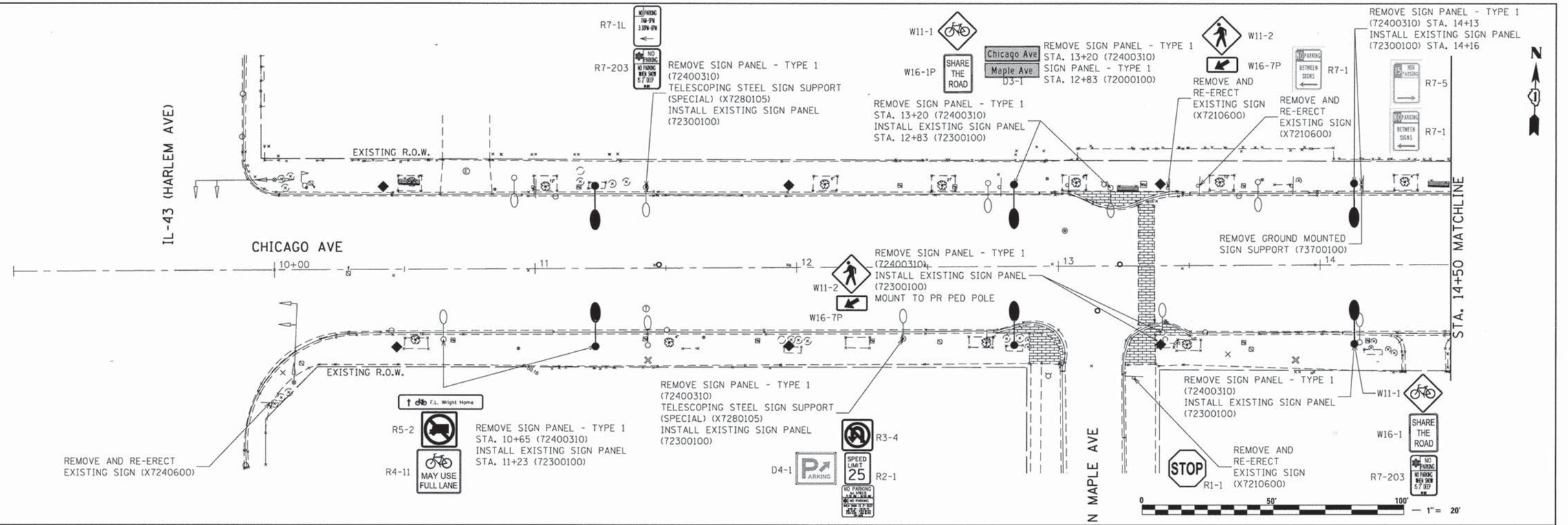
FILE NAME = 47_Detector Loops_5.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

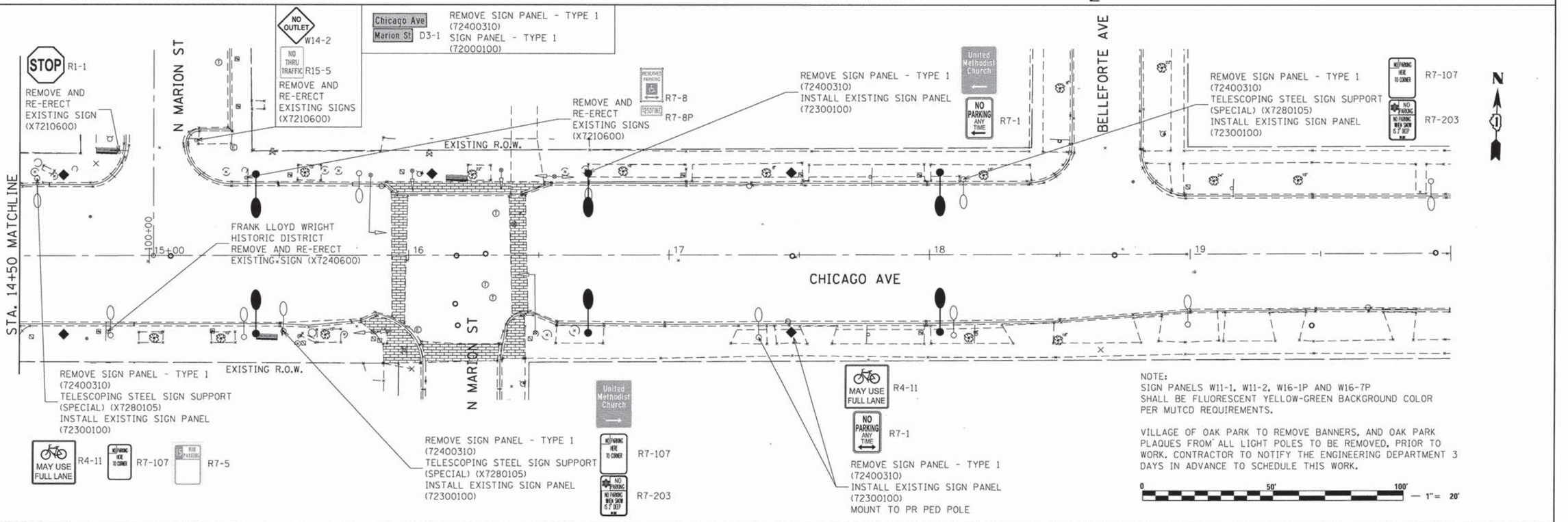
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE. AT RIDGELAND AVE.
DETECTOR LOOP PLAN

SCALE: 1"=20' | SHEET 5 OF 5 SHEETS | STA. 62+04 TO STA. 68+27

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	47
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			





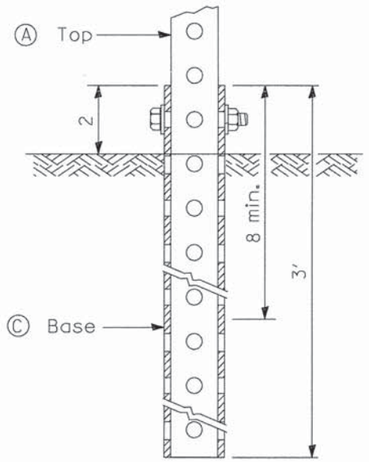
FILE NAME = 48_Lighting Signing_1.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

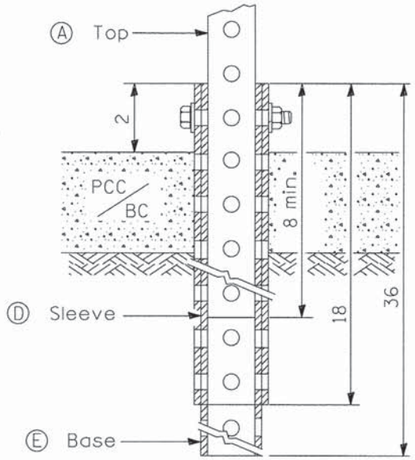
CHICAGO AVENUE
PROPOSED SIGNING PLAN

SCALE: 1"=20' | SHEET 1 OF 1 SHEETS | STA. 09+86 TO STA. 20+00

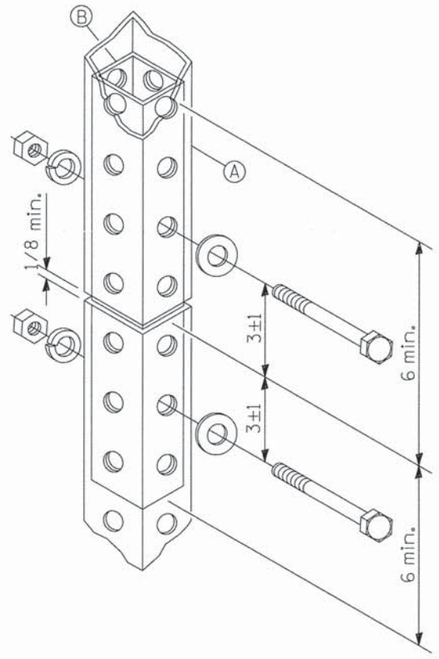
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	48
		CONTRACT NO. 61C69		
		ILLINOIS FED. AID PROJECT M-4003(512)		



GROUND MOUNT DETAIL



PAVEMENT MOUNT DETAIL



SPLICE DETAIL

Ⓐ	1 3/4 x 1 3/4 x VAR
Ⓑ	1 1/2 x 1 1/2 x 12
Ⓒ	2 x 2 x 36
Ⓓ	2 1/4 x 2 1/4 x 18
Ⓔ	2 x 2 x 36

GENERAL NOTES

TOP SECTION Ⓐ SHALL BE 14 GA POWDER COATED BLACK

BASE SECTION Ⓒ SHALL BE 12 GA GALVANIZED

All bolts 3/8" hex head zinc or cadmium plated.

All dimensions are in inches unless otherwise shown.

TELESCOPING STEEL SIGN SUPPORT(SPECIAL)

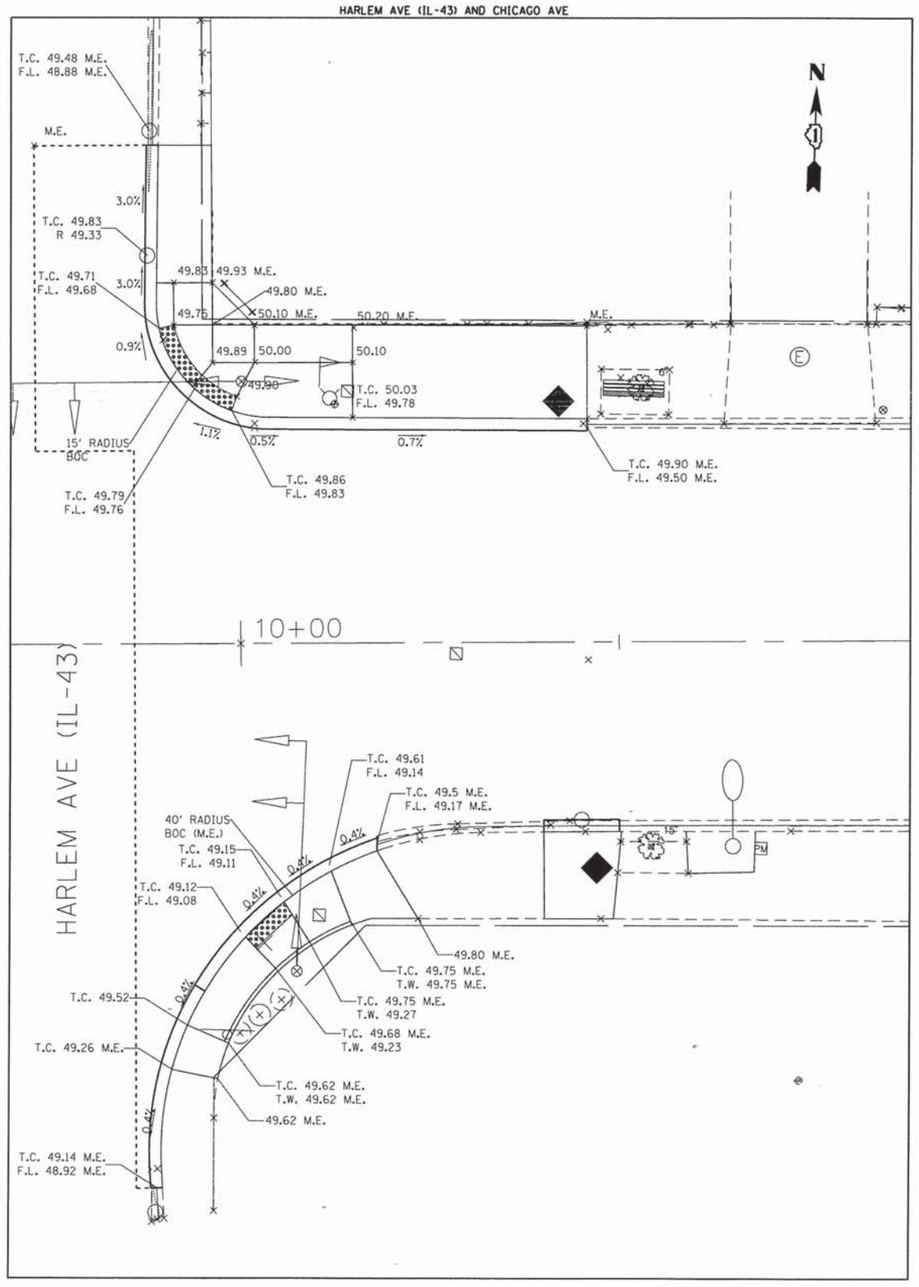
FILE NAME = 49_Lighting Details.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 20.0000 '/ in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

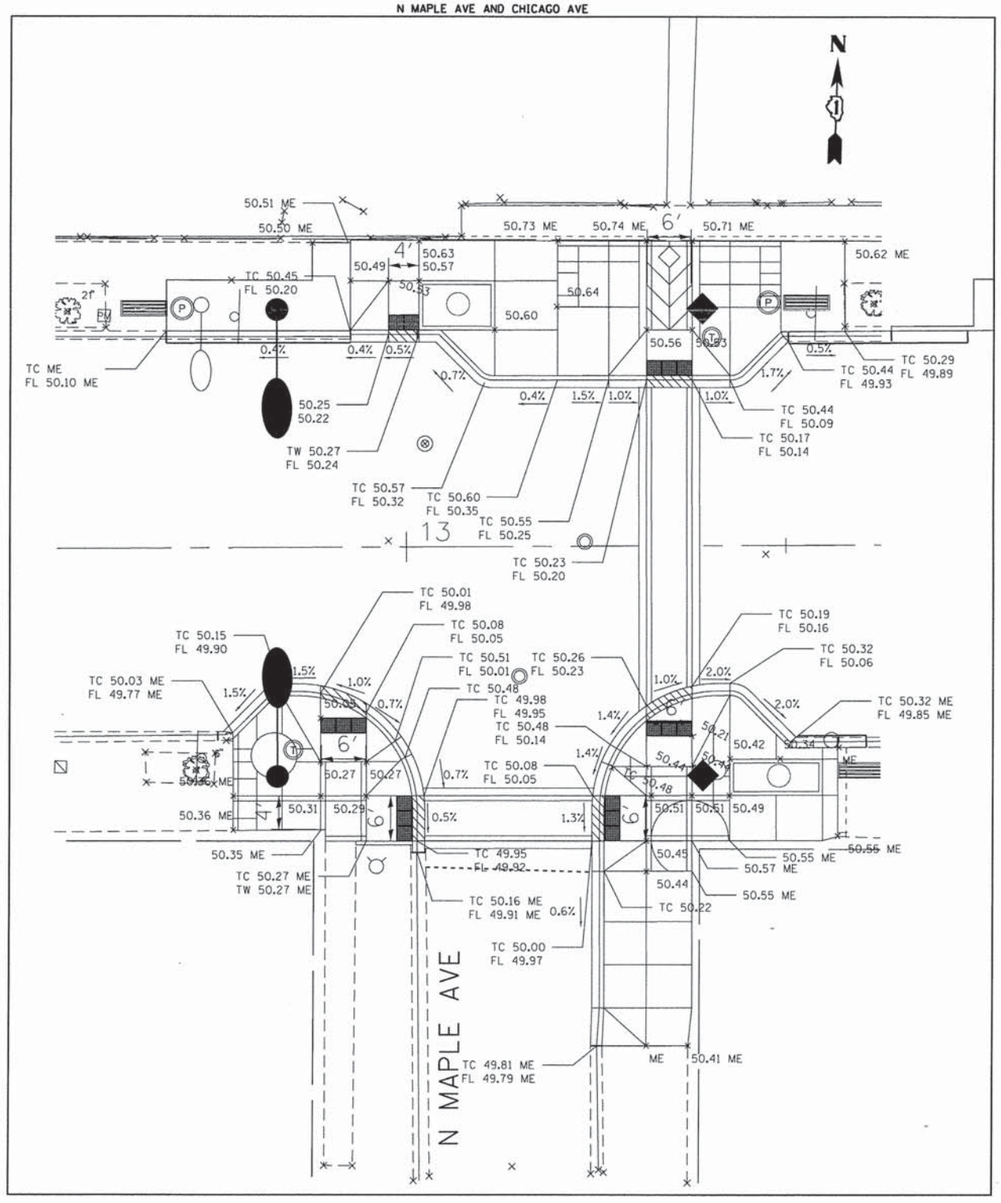
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SIGNING DETAILS

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	49
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			





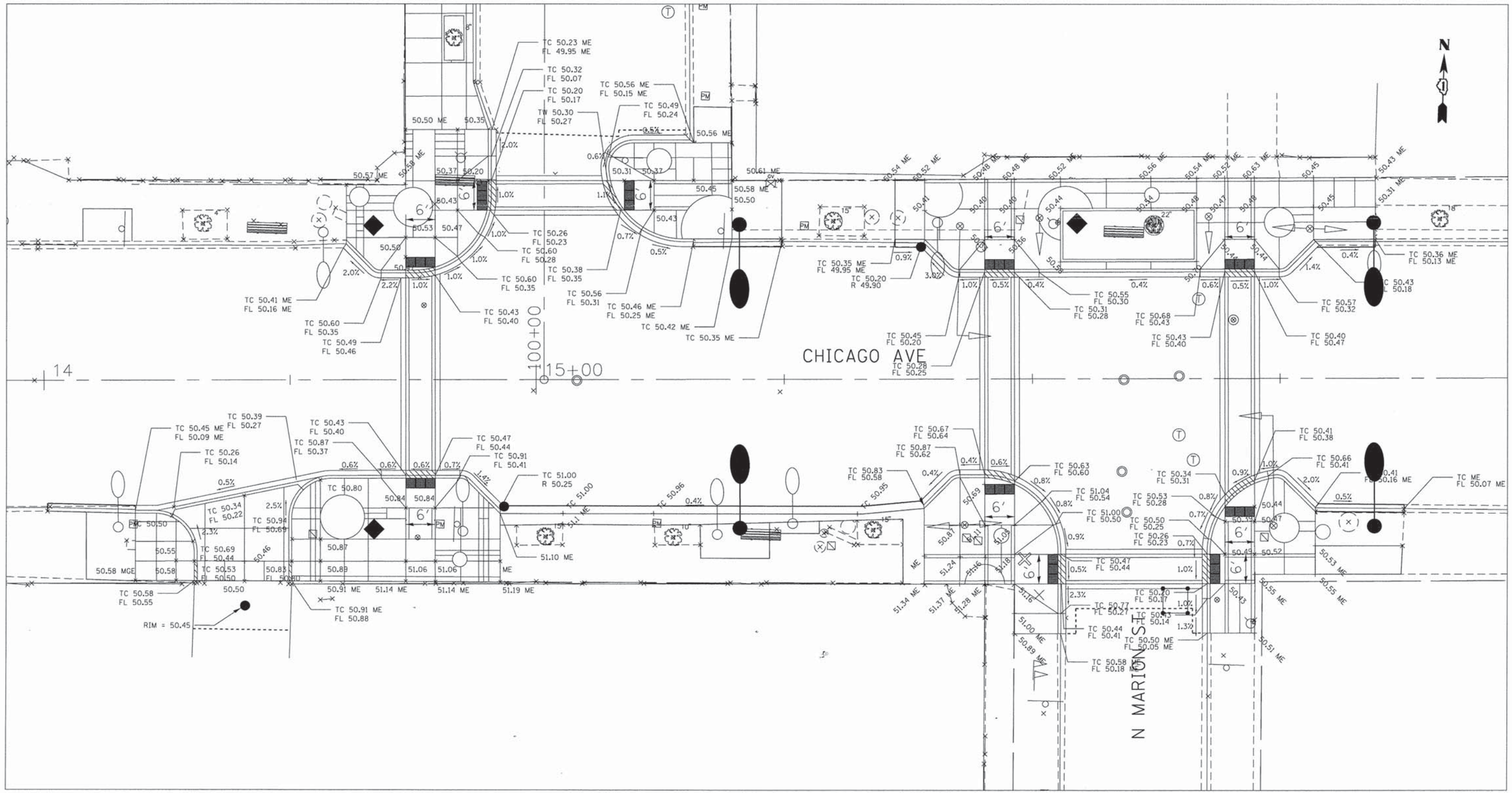
FILE NAME = 50_ADA Ramp Details_1.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
Default	PLOT SCALE = 10.0000 ' / in.	CHECKED - BDK	REVISED -
	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE
ADA RAMP DETAILS

SCALE: 1"=10' | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	50
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT			



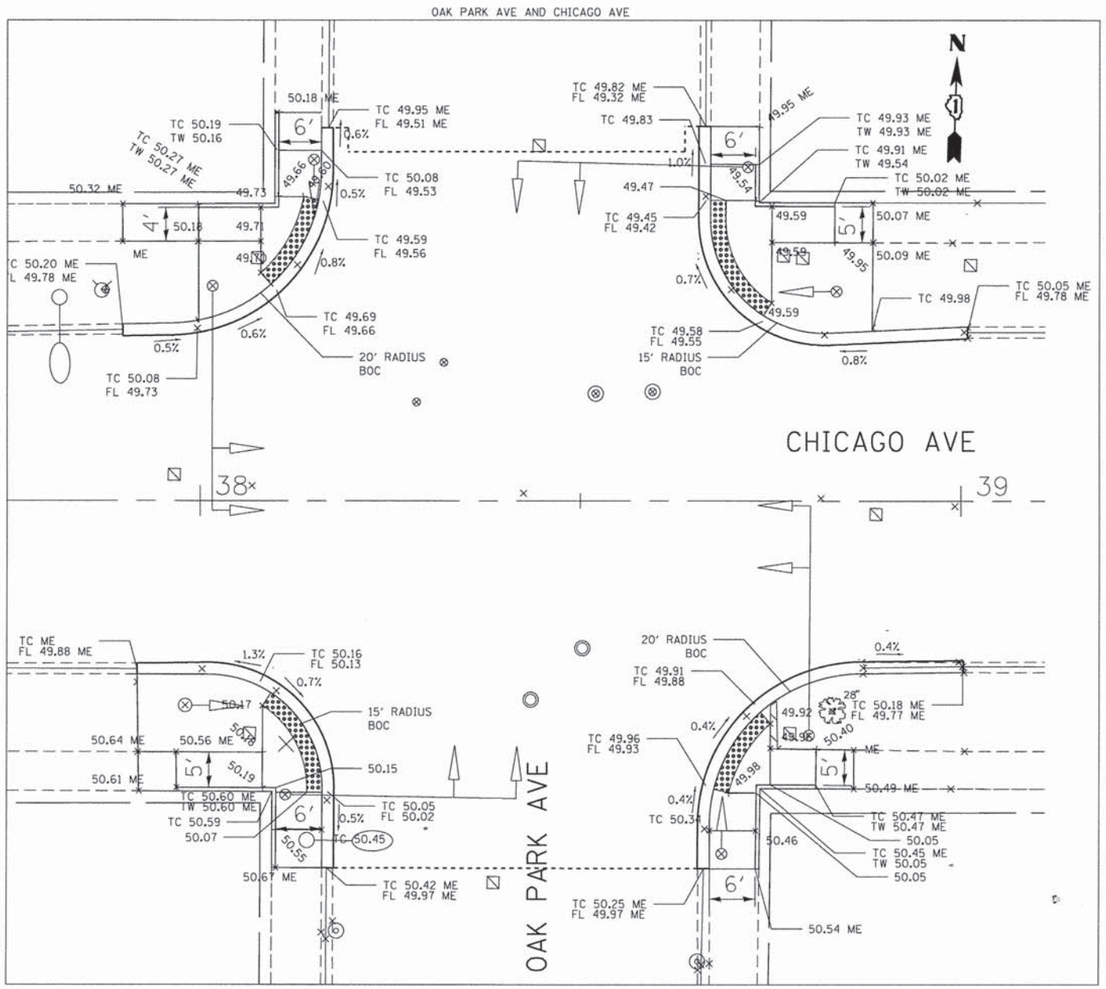
FILE NAME = 51.ADA Ramp Details_2.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE
ADA RAMP DETAILS

SCALE: 1"=10' | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	51
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT			



FILE NAME = 52_ADA Ramp Details_3.dgn	USER NAME = dsmith	DESIGNED - BDK	REVISED -
		DRAWN - DPS	REVISED -
	PLOT SCALE = 10.0000 ' / in.	CHECKED - BDK	REVISED -
Default	PLOT DATE = 2/2/2016	DATE - 2/2/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE
ADA RAMP DETAILS

SCALE: 1"=10' | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	52
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT		

RIDGELAND AVE AND OAK PARK AVE

CHICAGO AVE

RIDGELAND AVE

63 64 65+00

N

TC 39.46 R 39.16
39.57 ME
39.66 ME
39.67 ME
39.65 ME
FL 39.46
TC 39.65 FL 39.30
TC R 39.24
39.73 ME
39.75 ME
39.76 ME
39.71 ME
39.77 ME
39.82 ME
39.72
39.66
39.67
TC 39.60
TC 39.20 ME FL 38.74 ME
TC 39.56 FL 39.53
TC 39.63 FL 39.60
TC 39.56 FL 39.53
0.4%
4.0%
3.2%
0.7%
5'
4'
24"
10"
TC 39.25 ME FL 38.81 ME
TC 39.46 ME TW 39.46 ME
TC 39.40 ME
TC 39.45 ME TW 39.14
TC 39.46 ME TW 39.46 ME
39.37 ME
39.11
39.03
38.93
39.08
39.40
39.48 ME
TC 38.91 FL 38.88
25' RADIUS BOC
TC 39.30
TC 39.22 ME FL 39.04 ME
TC 39.02 FL 38.99
TC 39.48 FL 39.08
TC 38.91 FL 38.88
TC 39.30
39.71 ME
39.81 ME
39.81 ME
39.72
39.92 ME
38.93
38.95
38.78
38.86
TC 38.76 FL 38.73
TC 39.57 ME
TC 39.05 RIM 38.62
TC 39.61 ME TW 39.61 ME
TC 39.15
39.52
39.54 ME
39.68 ME
TC ME FL 38.71 ME
1.2%
0.5%
TC 49.45 ME FL 39.12 ME
TC 39.50 FL 39.47
TC 39.55 FL 39.52
20' RADIUS BOC
TC 39.50 FL 39.47
TC 39.63
39.68
39.66
39.63
39.73 ME
39.73 ME
39.71 ME
39.65 ME
39.62
39.59
39.69 ME
TC 39.13 ME FL 38.71 ME
39.64 ME
0.6%
3.2%

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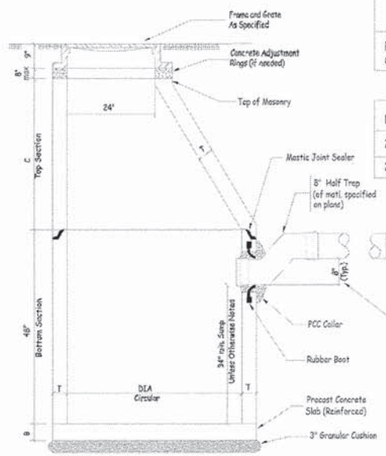
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVE
ADA RAMP DETAILS

SCALE: 1"=10' | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	53
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT			

CATCH BASIN, TYPE A, WITH HALF TRAP

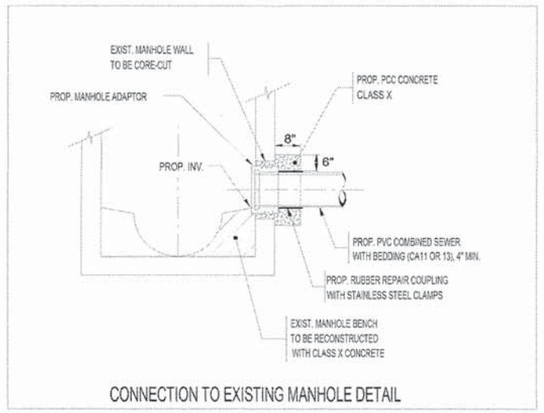


MATERIALS FOR WALLS	DIA	C	T (Min)	B
PRECAST REINFORCED CONCRETE SECTION	4' - 0"	2' - 6"	4"	6"
	5' - 0"	3' - 9"	5"	8"

DIAMETER OF MAIN SEWER	DIA
21" AND UNDER	4' - 0"
24" TO 42" INCLUSIVE	5' - 0"

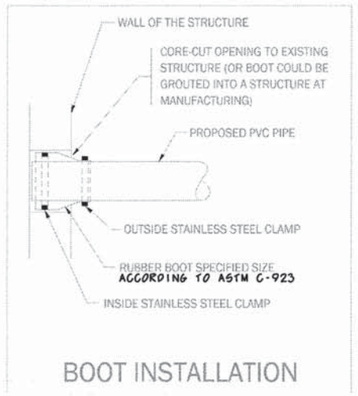
Outlet Pipe to be Laid on Min Grade of 1%

NOTE: All Joints to be Mortared

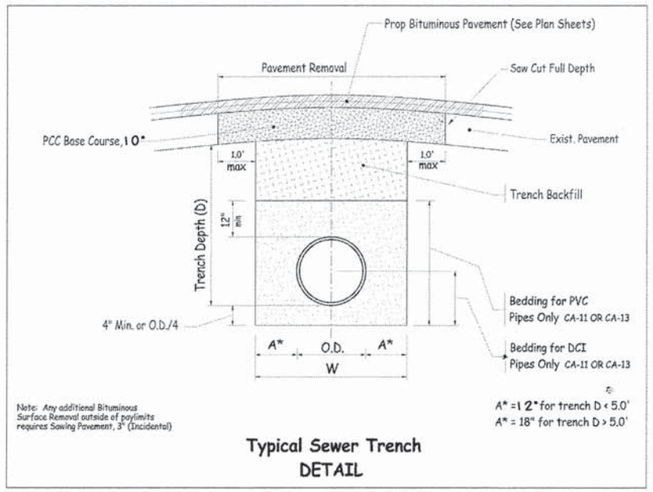


CONNECTION TO EXISTING MANHOLE DETAIL

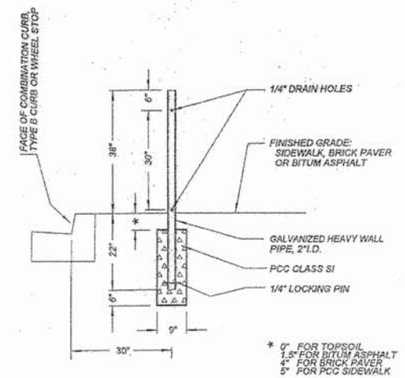
THE SEWER TO STRUCTURE CONNECTION SHALL BE FLEXIBLE AND WATER TIGHT, MEETING THE REQUIREMENTS OF ASTM C-923 OR EQUIVALENT FOR SANITARY, COMBINED AND STORM SEWERS.



BOOT INSTALLATION



Typical Sewer Trench DETAIL



METER POST DETAIL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SEWER DETAILS

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	54
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		

ELECTRICAL NOTES

PART 1: GENERAL

A. DESCRIPTION

PROVIDE ALL REQUIREMENTS AND CRITERIA FOR SAFETY AND RELIABILITY TO FURNISH AND INSTALL COMPLETE OPERATING ELECTRICAL SYSTEM, INCLUDING MATERIALS, LABOR, NECESSARY EQUIPMENT AS HEREIN SPECIFIED. COMPLY WITH LOCAL CODES, NATIONAL ELECTRICAL CODE, IDOT AND ALL APPLICABLE CODES AND STANDARDS. THE EQUIPMENT AND INSTALLATION SHALL CONFORM WITH THE STANDARD SPECIFICATIONS FOR THE ROAD AND BRIDGE CONSTRUCTION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, INCLUDING LATEST REVISION AND SUPPLEMENTAL SPECIFICATIONS, AS WELL AS THE SPECIAL PROVISIONS.

B. SCOPE OF WORK

1. CONTRACTOR SHALL FURNISH, INSTALL, AND TEST COMPLETE STREET LIGHTING SYSTEM WITH ALL LIGHTING POLES, LUMINAIRES, FOUNDATIONS, LIGHTING CONTROL CABINET, CONDUITS, HANGERS, SUPPORTS, DEVICES, WIRING, ETC., REQUIRED FOR A COMPLETE AND OPERATIONAL INSTALLATION. AFTER INSTALLATION, CONTRACTOR SHALL COMPLETELY TEST ALL COMPONENTS IN COMPLIANCE WITH IDOT STANDARDS TO ENSURE COMPLETE FUNCTIONAL INSTALLATION.
2. THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE RULES AND REGULATIONS SET FORTH IN THE LOCAL GOVERNING CODE. THE WORK SHALL ALSO MEET THE LAWS AND ORDINANCE REQUIRED BY THOSE AGENCIES HAVING JURISDICTION.
3. CONTRACTOR SHALL VISIT THE SITE AND MAKE HIMSELF THOROUGHLY FAMILIAR WITH THE EXISTING CONDITIONS. PRIOR TO SUBMITTING THE PROPOSAL, INCLUDE ANY RELOCATION AND/OR ALTERATIONS TO THE EXISTING ELECTRICAL SYSTEM, COMPONENTS OR EQUIPMENT REQUIRED TO ACCOMODATE THE NEW CONSTRUCTION.
4. CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED TO PERFORM HIS WORK. PREPARE AND SUBMIT TO THE AUTHORITIES ANY AND ALL DATA, DRAWINGS AND DETAILS REQUIRED FOR APPROVAL BEFORE COMMENCING THE INSTALLATION.
5. MAINTAIN EXISTING STREET LIGHTING SYSTEM OPERATION DURING CONSTRUCTION UNTIL NEW CONSTRUCTION OF STREET LIGHTING SYSTEM IS COMPLETED. MAINTAIN EXISTING LIGHTING AS TEMPORARY LIGHTING DURING THE CONSTRUCTION PERIOD. REMOVE SAME UPON COMPLETION OF THE PROJECT.
6. CONTRACTOR SHALL COORDINATE WORK WITH ALL TRADES AND AVOID CONFLICT AND DELAYS.
7. NOTIFY THE ENGINEER IN WRITING OF ANY DISCREPANCIES BETWEEN THE EXISTING CONDITIONS AND THE NEW WORK. LACK OF NOTIFICATION SHALL INDICATE THAT NO DISCREPANCIES OR CONFLICTS EXIST.
8. ALL LIGHT POLES SHALL BE NON-BREAKAWAY TYPE.
9. CONTRACTOR SHALL COORDINATE WORK WITH UTILITY COMPANIES, INCLUDING ELECTRIC, WATER, GAS, SEWER, CABLE, ETC.
10. RIGID STEEL CONDUIT SHALL BE PUSHED UNDER STREET OR DRIVEWAY AND EXTENDED 3'-0" ON EACH SIDE.
11. AS PART OF THIS WORK, OWNER SHALL HAVE FIRST SALVAGE RIGHTS TO ANY ITEM REMOVED AS PART OF THIS PROJECT. DISPOSE OF ALL OTHERS. WITH THE EXCEPTION OF CONDUIT, ANY UNUSED EQUIPMENT OR WIRING WILL NOT BE ALLOWED TO BE ABANDONED IN PLACE.
12. RED TAPE OR MARKING SHALL BE 10" BELOW GRADE TO MARK ELECTRICAL CONDUIT ROUTING.
13. AFTER CONSTRUCTION OF NEW SYSTEM, REMOVE OLD LIGHTING POLES, FOUNDATION AND WIRING. ABANDON IN PLACE THE CONDUIT SYSTEM.
14. ALL PROPOSED LIGHT POLES SHALL BE INSTALLED A MINIMUM OF 12' FROM EXISTING OR PROPOSED TREES.
15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE INCURRED IN ANY AREA OF THE PROJECT SUCH AS PAVEMENT, DRIVEWAYS AND SIDEWALKS AND SHALL RESTORE THEM TO THEIR ORIGINAL CONDITION AS DIRECTED BY THE ENGINEER. LANDSCAPED AREAS SHALL BE RESTORED AND DAMAGED PLANT MATERIALS REPLACED TO THE SATISFACTION OF THE ENGINEER.
16. LIGHTING POLES SHALL BE LOCATED TO PROVIDE UNOBSTRUCTED ACCESS TO PEDESTRIANS AND SHALL MEET ADA REQUIREMENTS.
17. THE CONTRACTOR IS RESPONSIBLE TO IDENTIFY ALL UNDERGROUND AND OVERHEAD UTILITY CONFLICTS AND ENSURE ADEQUATE CLEARANCES BETWEEN UTILITIES AND NEW LIGHTING SYSTEM.
18. GROUND ROD MATERIAL AND INSTALLATION IS INCLUDED AS PART OF THE ELECTRICAL EQUIPMENT AND/OR POLE FOUNDATION PAY ITEMS. REFER TO ELECTRICAL DETAILS OF CABINETS AND/OR POLE FOUNDATION FOR MORE INFORMATION.

C. GUARANTEE

1. GUARANTEE IN WRITING ALL ELECTRICAL EQUIPMENT FOR A PERIOD OF ONE YEAR FOLLOWING OF SUBSTANTIAL COMPLETION. STATE THE ADDITIONAL AMOUNT FOR A FIVE YEAR FULL GUARANTEE AND FULL MAINTENANCE CONTRACT OF ELECTRICAL SYSTEM.
2. ALL APPARATUS SHALL BE BUILT AND INSTALLED SO AS TO DELIVER THE FULL RATED CAPACITY AT THE EFFICIENCY FOR WHICH IT WAS DESIGNED.

D. CONSTRUCTION PHASE SUBMITTALS

SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR APPROVAL. PREPARE AND PROVIDE THE ENGINEER WITH A COMPLETE SET OF CIRCUITED "RECORD" DRAWINGS AT PROJECT COMPLETION. SUCH DRAWINGS SHALL BE SUBMITED ON A CLEAR AND LEGIBLE REPRODUCIBLE FORM.

PART 2: PRODUCTS

A. QUALITY LEVEL

ALL MATERIAL AND EQUIPMENT USED FOR THIS PROJECT SHALL BE UL LISTED AND APPROVED FOR THE INTENDED APPLICATIONS UNLESS OTHERWISE NOTED.

B. MATERIAL

1. UNIT DUCT SHALL BE TYPE MC 600 VOLT, EPR RATED INSULATION, PVC JACKET, STEEL INTERLOCK ARMOR, COPPER CONDUCTORS AND COLOR CODED.
2. SITE LIGHTING BRANCH CIRCUITS SHALL BE #6 AWG MINIMUM, UNLESS OTHERWISE NOTED. CONTROL WIRING SHALL BE #14 AWG MINIMUM.

PART 3: EXECUTION

1. PROVIDE A COMPLETE PROPERLY OPERATING SYSTEM FOR EACH ITEM OF EQUIPMENT CALLED FOR UNDER THESE NOTES. INSTALL IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURER'S INSTRUCTIONS, THE BEST INDUSTRY PRACTICES AND UNDER COMPETENT SUPERVISION AT ALL TIMES.
2. PRIOR TO INSPECTION TO DETERMINE SUBSTANTIAL COMPLETION, THE CONTRACTOR SHALL OPERATE ALL ELECTRICAL SYSTEMS TO DEMONSTRATE THAT THE INSTALLATION AND PERFORMANCE OF THE SYSTEM CONFORM TO THE REQUIREMENTS SPECIFIED ABOVE AND ON THE DRAWINGS.

DEMOLITION NOTES

1. DISCONNECT AND REMOVE WIRING FOR REMOVED LIGHTING POLES TO POINT OF SOURCE. THIS INCLUDES FOUNDATION AND ANY ASSOCIATED ITEMS. REMOVE WIRING TO LAST POLE TO REMAIN.
2. COORDINATE REMOVAL OF EXISTING POLES WITH VILLAGE ENGINEER. ENSURE CONTINUATION OF FEEDER FOR EXISTING POLES TO REMAIN.

LEGEND

- EXISTING LIGHT POLE
- ER — EXISTING LIGHT POLE AND FOUNDATION TO BE REMOVED
- ERP — EXISTING PEDESTRIAN LIGHT POLE AND FOUNDATION TO BE REMOVED
- ORNAMENTAL LIGHT UNIT, COMPLETE
- PEDESTRIAN STREET LIGHT
- PROPOSED HANDHOLE
- PROPOSED LIGHTING CONTROLLER, BASE MOUNTED, 240 VOLT, 100AMP
- [1] UNIT DUCT, 600V, 4-1C NO.6, 1/C NO.8 GROUND (XLP-TYPE USE), 1¼" DIA. POLYETHYLENE
- [2] 3-1C NO. 3 (XLP-TYPE USE), IN 2" RGS CONDUIT (INCLUDED IN COST OF "ELECTRIC SERVICE INSTALLATION")
- [3] PUSHED UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. (REFER TO DETAIL BELOW FOR TYPICAL PUSHED CONDUIT DIAGRAM.)

POLE IDENTIFICATION

- [C1] CONTROL CABINET NUMBER
- [B] CIRCUIT NUMBER
- [1] POLE NUMBER OF THE CIRCUIT

•ALL POLES ON THE NORTH SIDE OF THE ROADWAY SHALL BE OFFSET 32 FT FROM CENTERLINE OF CHICAGO AVENUE TO CENTERLINE OF POLE

•ALL POLES ON THE SOUTH SIDE OF THE ROADWAY SHALL BE OFFSET 29.5 FT FROM CENTERLINE OF CHICAGO AVENUE TO CENTERLINE OF POLE

•ALL POLES ON EACH SIDE OF THE ROAD SHALL HAVE THE SAME OFFSET FROM THE ROADWAY CENTERLINE TO MAINTAIN VISUAL ALIGNMENT

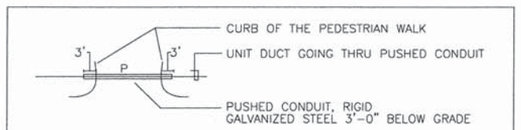
•NEW FOUNDATION AND POLES SHALL BE LOCATED AWAY FROM ANY EXISTING UTILITIES. CONTRACTOR SHALL IDENTIFY ALL UTILITIES AND DIG BY HAND TO EXPOSE UTLITY LINES. FINAL EXACT LOCATION OF FOUNDATION AND POLE SHALL BE COORDINATED AND APPROVED PRIOR TO INSTALLATION.

LIGHTING UNIT SCHEDULE

	DESCRIPTION	MANUFACTURER	CATALOG NUMBER	LAMPS NO.	LAMPS TYPE	INPUT WATTS	INPUT AMPS	POLE & BASE	MOUNTING	VOLT
●—	ROADWAY FIXTURE ON 26 FT POLE WITH PEDESTRIAN ARM	STERNBERG	1-1914LEDF/A/RLM731/CAS6/ 1-D650ASRLED/5P/80PM/5426FP6/ BCC/GFI-LPIUC/BK	1	LED	180	.75	POLE & BASE	REFER TO DETAIL	240
◆	PEDESTRIAN FIXTURE ON 12 FT POLE	STERNBERG	D650ASRLED/5PPT/5412FP5/ GFI-LPIUC/BK	1	LED	180	.75	POLE & BASE	REFER TO DETAIL	240

ELECTRICAL LOAD SCHEDULE

PANEL	CIRCUIT NUMBER	SIZE OF BREAKER	LOAD
C1 100A, 120/240V 1PH, 3W	A	30A, 240V	1400W
	B	30A, 240V	2000W
	C	30A, 240V	1000W
	D	30A, 240V	1000W
	E,F,G,H	30A, 120V	1000W
		SUBTOTAL	6400 W
CABINET C1 TOTAL LOAD (240V, 1PH)			26.6 AMPS



TYPICAL PUSHED CONDUIT DIAGRAM

N.T.S.
REFER TO ELECTRICAL PLAN FOR EXACT LOCATION

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TERRA ENGINEERING LTD.

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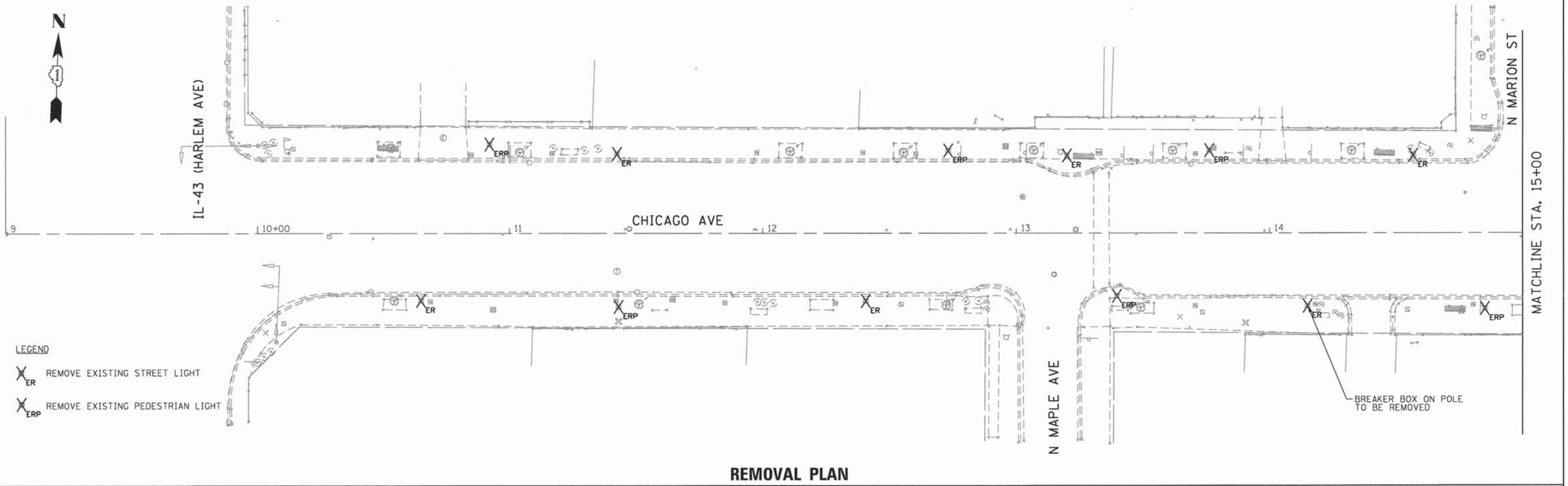
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

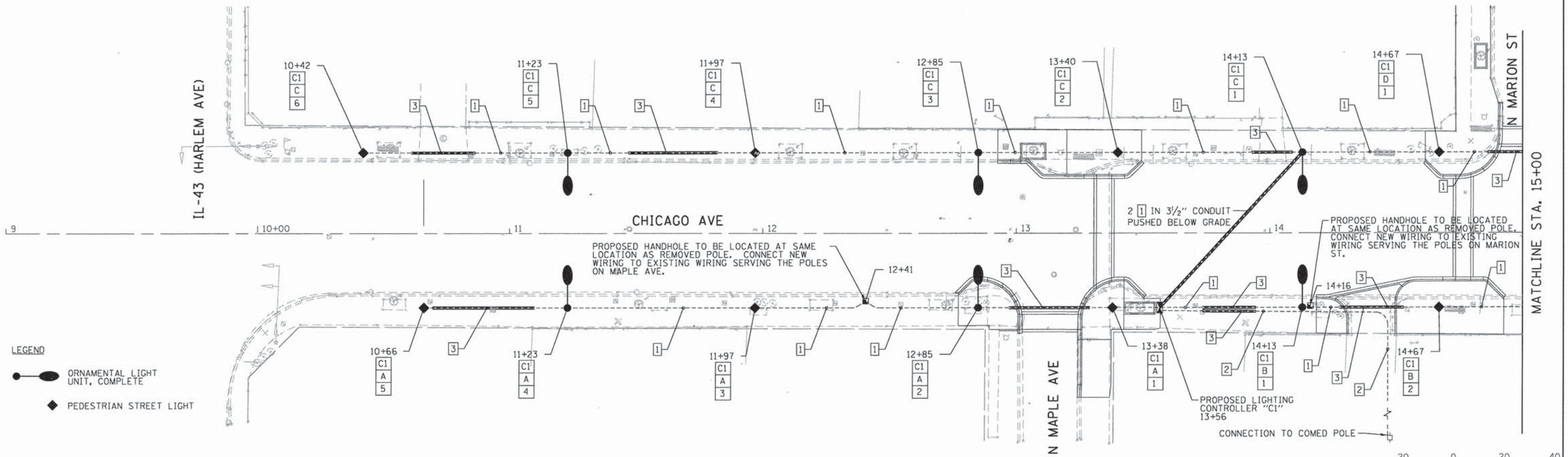
CHICAGO AVENUE
ELECTRICAL NOTES, LEGEND, AND ELECTRICAL LOAD SCHEDULE

SCALE: NTS | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	55
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			



REMOVAL PLAN



PROPOSED PLAN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
LIGHTING INSTALLATION AND REMOVAL PLAN

SCALE: 1"=20' | SHEET 2 OF 7 SHEETS | STA. BEGIN | TO STA.15+00

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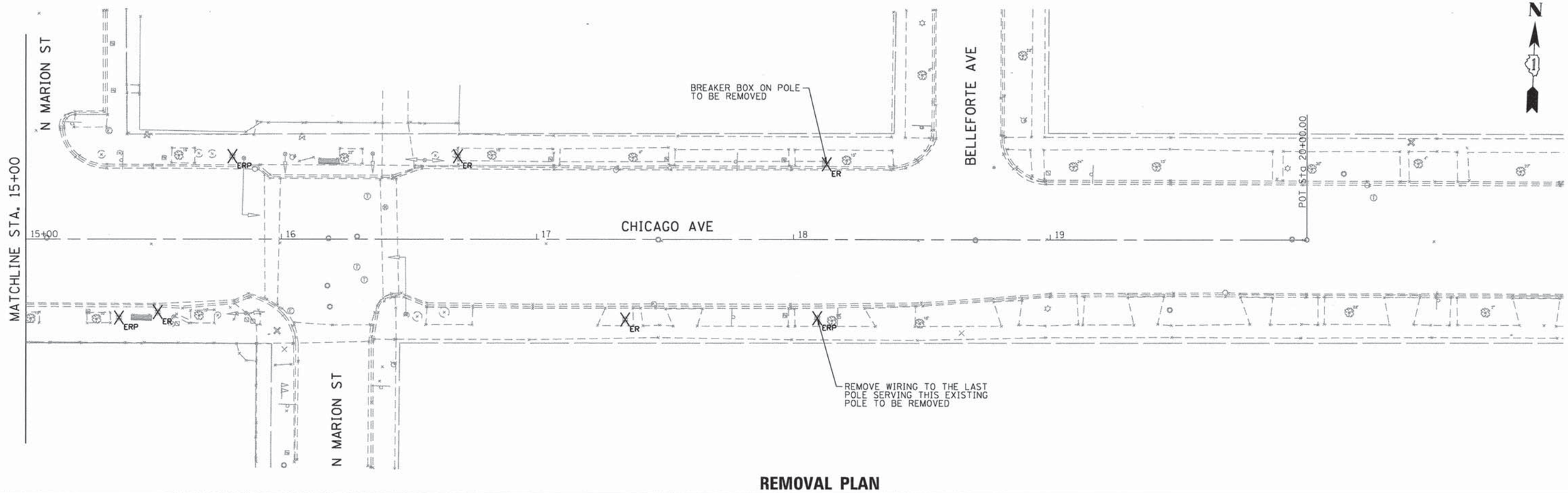
	ILLINOIS	FED. AID PROJECT M-4003(512)		



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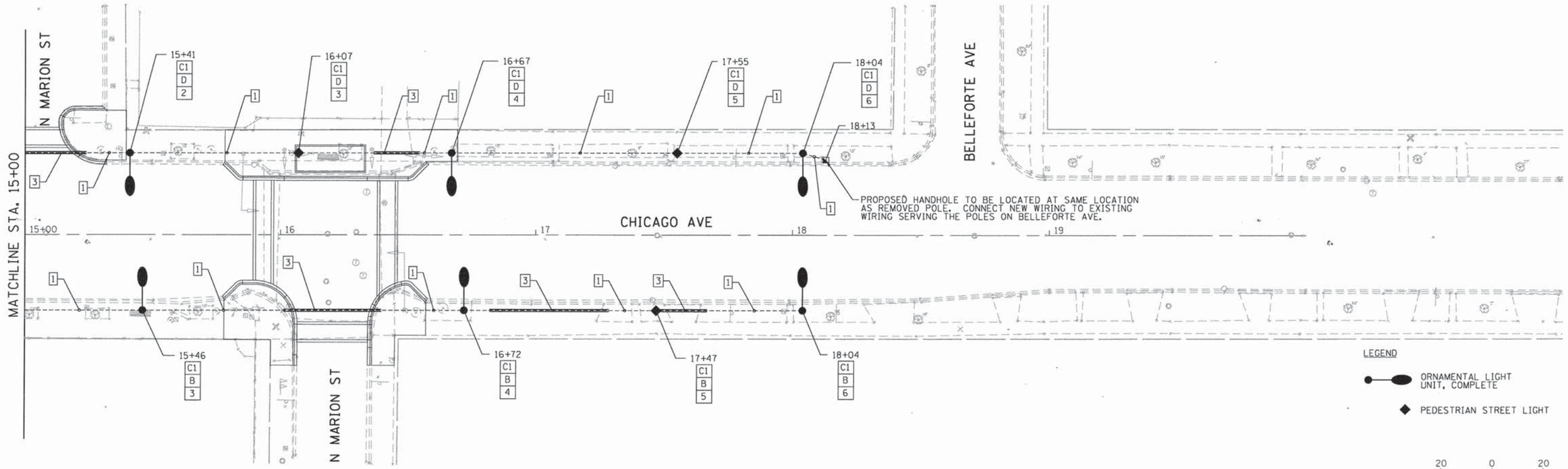

PROPOSED PLAN

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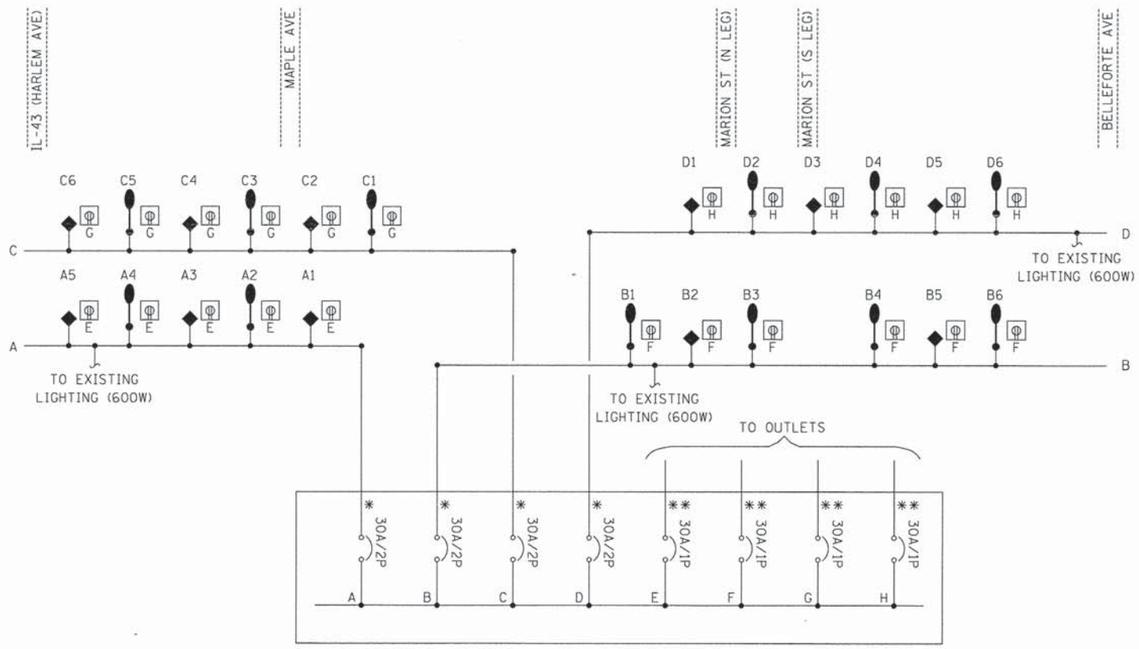
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
LIGHTING INSTALLATION AND REMOVAL PLAN

SCALE: 1"=20' | SHEET 3 OF 7 SHEETS | STA. 15+00 TO STA.END

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	57
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		

LIGHTING CONTROLLER C1
120/240V 1PH, 100A MAIN BREAKERS,
AND 30A BRANCH CIRCUIT BREAKERS



LEGEND

- ORNAMENTAL LIGHT UNIT, COMPLETE
- PEDESTRIAN STREET LIGHT
- PROPOSED VANDAL PROOF RECEPTACLE (WEATHERPROOF AND GROUND FAULT INTERRUPTER) UL LISTED, CORROSION RESISTANT AND COVER NEC 406.8.B.2A COMPLIANT
- * CONTROLLED LIGHTING CIRCUIT WITH PHOTO CELL ON & TIME CLOCK OFF, AND MANUAL OVERRIDE
- ** CONTROLLED OUTLET CIRCUIT WITH PHOTO CELL ON & TIME CLOCK OFF, AND MANUAL OVERRIDE

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TERRA ENGINEERING LTD.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
ELECTRICAL CABINET SIGNAL LINE DIAGRAM

SCALE: NTS | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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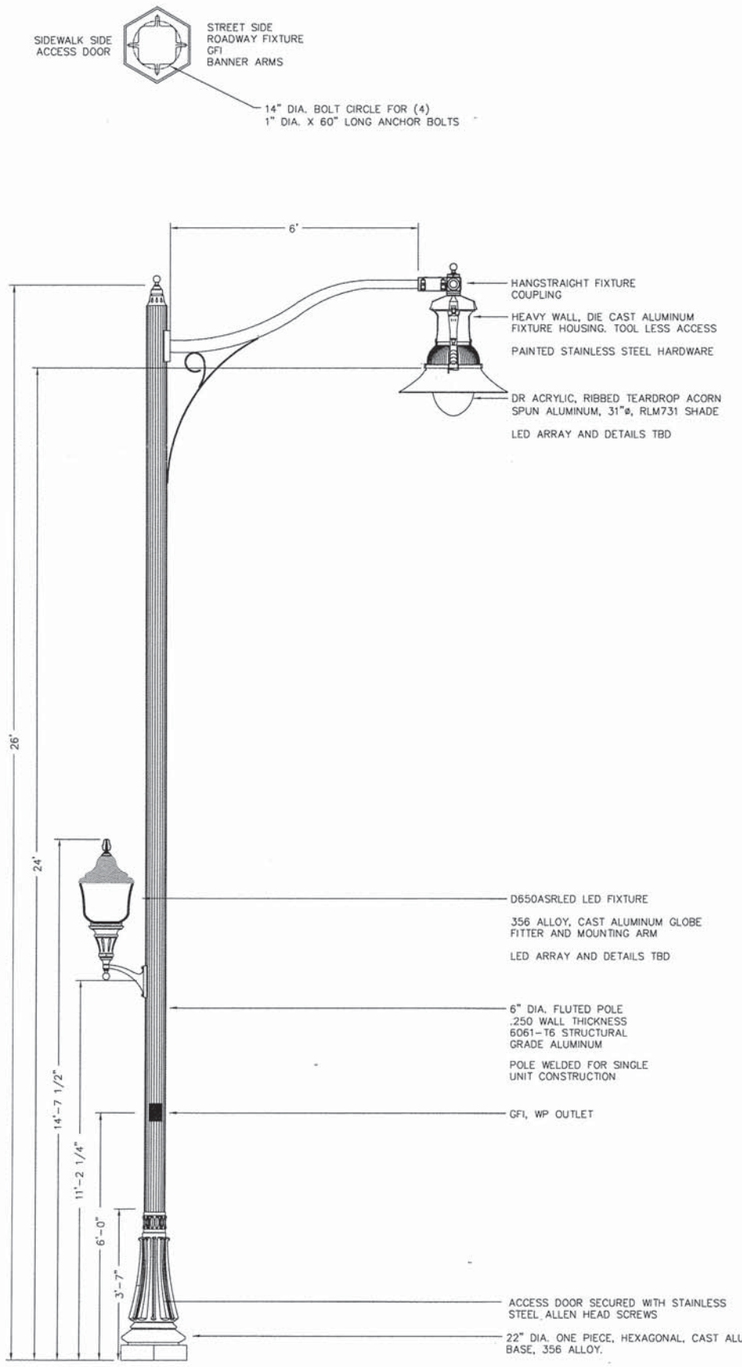
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		



1 ORNAMENTAL LIGHT UNIT, COMPLETE MOUNTING DETAIL
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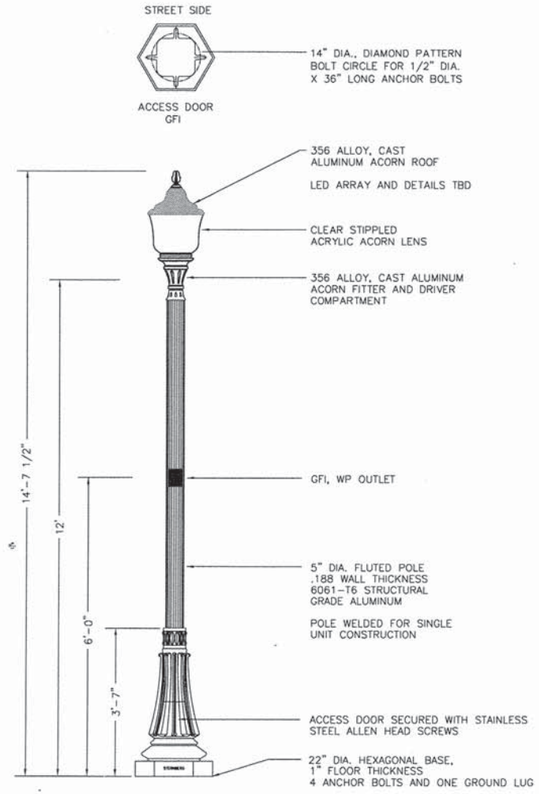

2 PEDESTRIAN STREET LIGHT MOUNTING DETAIL
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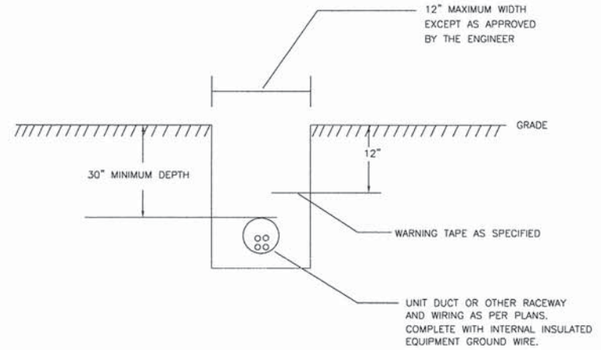
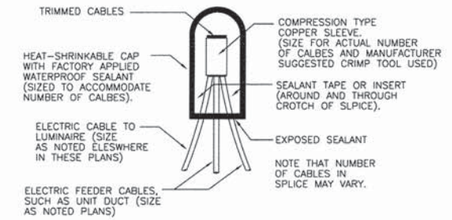


3 TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



4 SPLICING ELECTRIC CABLES DETAIL
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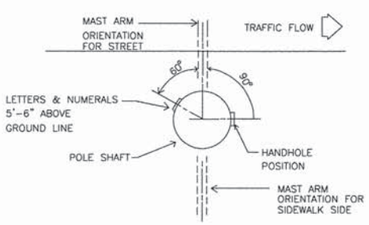

5 HANDHOLE AND POLE TAG ORIENTATION
N.T.S.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE, WIRING IN TRENCH, SPLICING, AND HANDHOLE DETAILS

SCALE: NTS | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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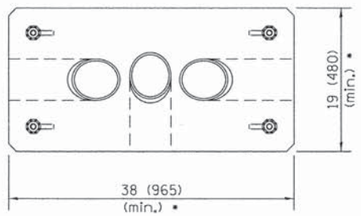
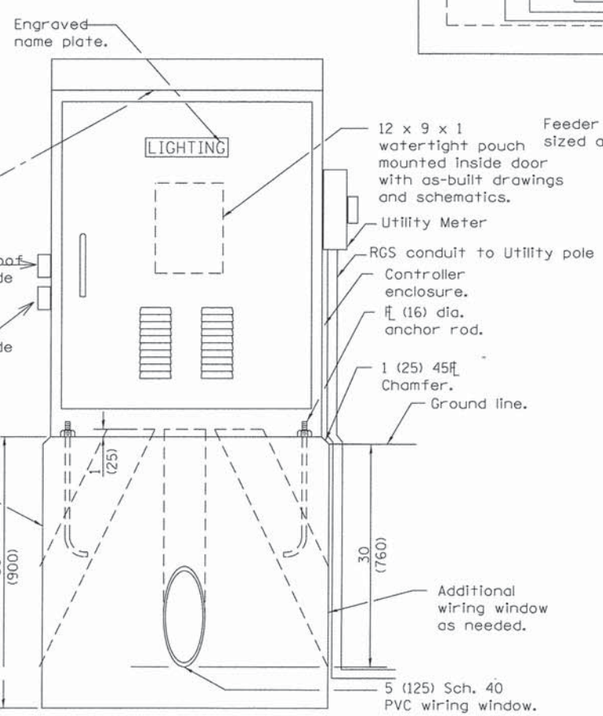
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT M-4003(512)			

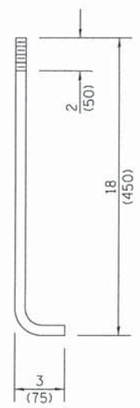


FOUNDATION (PLAN)

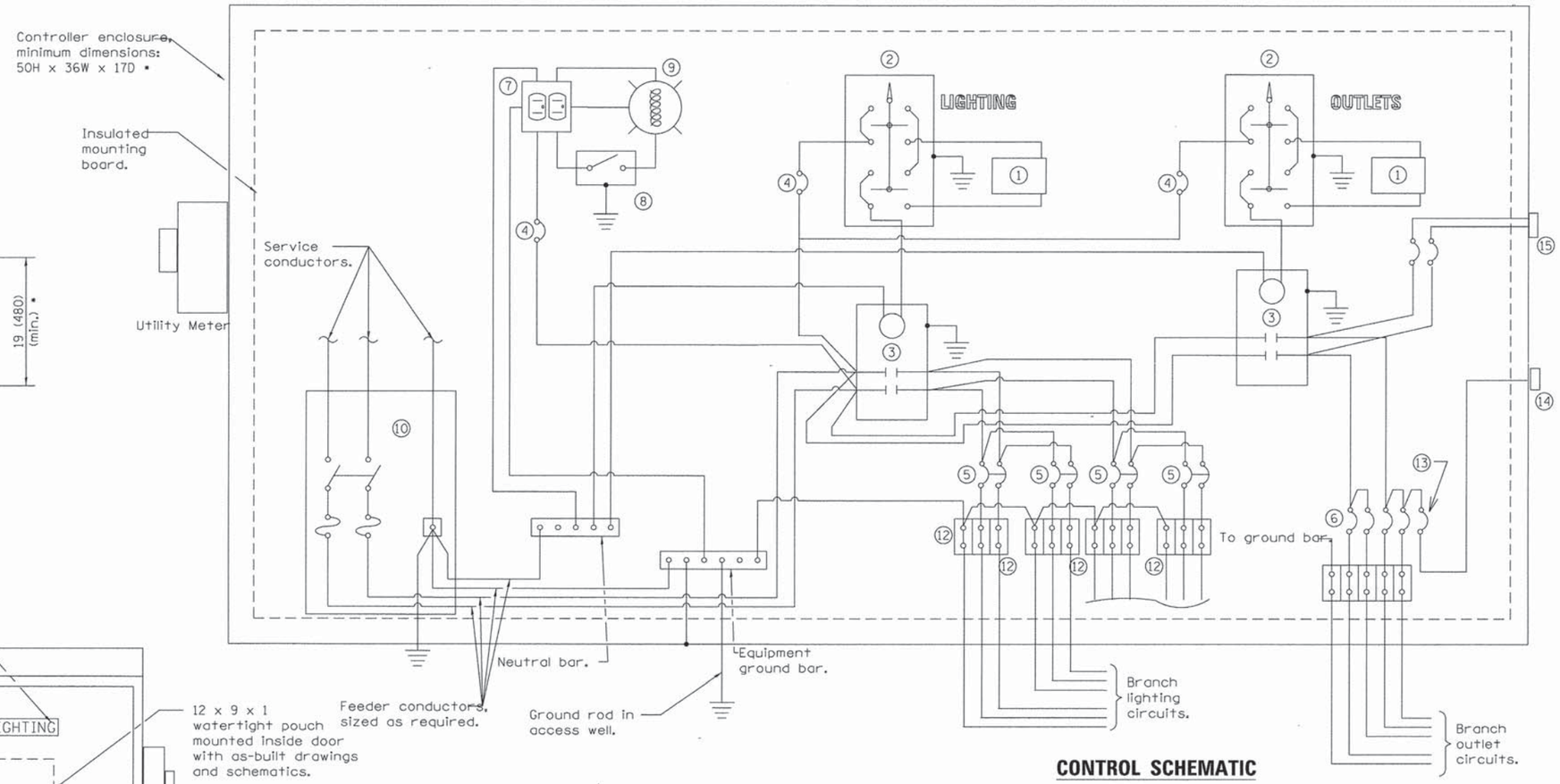
(Work pad not shown.)



LIGHTING CONTROLLER



ANCHOR ROD DETAIL



CONTROL SCHEMATIC

1. Time clock.
2. HAND-OFF-AUTO selector switch.
3. 100 amp•, electrically held contactor.
4. 15 amp, 1-pole circuit breaker.
5. 30 amp•, 2-pole circuit breaker (Refer to cabinet single line diagram for exact number of breakers)
6. 30 amp, 1-pole circuit breaker
7. GFCI duplex receptacle.
8. Single-pole, single-throw switch.
9. Incandescent luminaire, enclosed and gasketted with 100 watt lamp.
10. Service disconnect switch - 2-pole, 3-wire, 100 amp•, fused at 100 amp•, solid neutral in NEMA 3R enclosure having lockable external handle.
11. 100 amp•, 2-pole circuit breaker.
12. Terminal block sized for conductors as shown on plans.
13. 20 amp, 1-pole circuit breaker.
14. 20A,1P GFI, weatherproof outlet mounted outside cabinet
15. 30A,2P weatherproof outlet mounted outside cabinet

• Size larger as needed.

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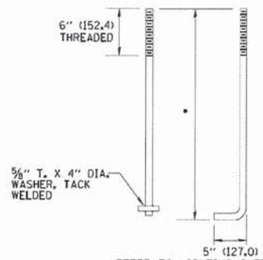
TERRA ENGINEERING LTD.	USER NAME = JasonM	DESIGNED - EE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING CONTROLLER DETAIL	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JRM	REVISED -			1398	15-00263-00-RS	COOK	96	60
	PLOT SCALE = NTS	CHECKED - EE	REVISED -					CONTRACT NO. 61C69		
	PLOT DATE = 2/2/2016 10:12:55 AM	DATE - 2/2/2016	REVISED -		SCALE: NTS SHEET 6 OF 7 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT M-4003(512)		

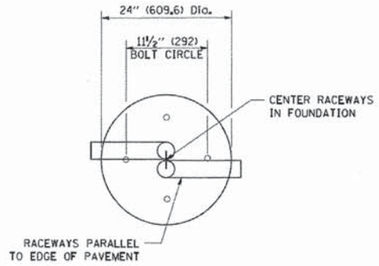
LIGHT POLE FOUNDATION DEPTH TABLE
<= 35' (10.668 m) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Ou = 0.375 TON/SQ. FT.	11'-0" (3.35 m)	12'-8" (3.85 m)
MEDIUM CLAY Ou = 0.75 TON/SQ.FT	9'-0" (2.74 m)	14'-10" (4.52 m)
STIFF CLAY Ou = 1.50 TON/SQ. FT.	7'-6" (2.29 m)	8'-7" (2.61 m)
LOOSE SAND Ø = 34°	9'-6" (2.90 m)	10'-7" (3.22 m)
MEDIUM SAND Ø = 37.5°	9'-0" (2.74 m)	9'-10" (2.99 m)
DENSE SAND Ø = 40°	8'-3" (2.51 m)	9'-7" (2.91 m)

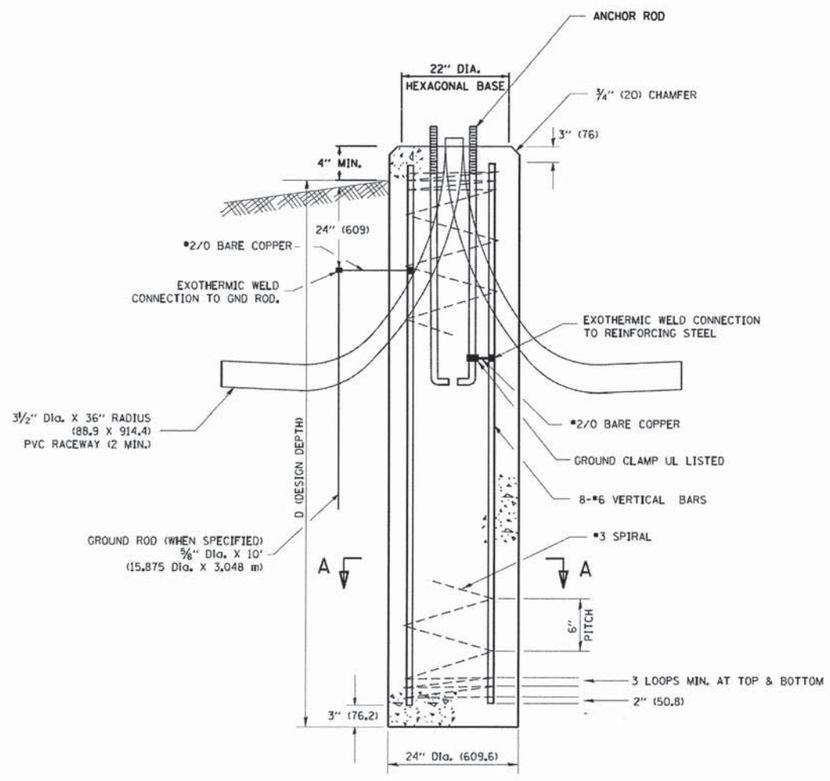


• REFER TO LIGHTING SHEET 5 OF 7 FOR ANCHOR BOLT SIZE.

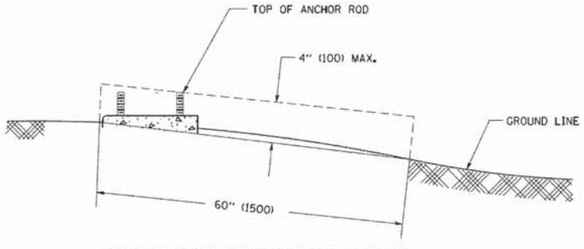
ANCHOR BOLT DETAIL



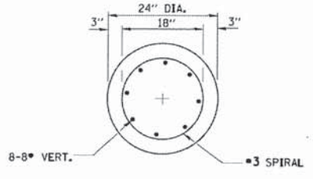
TOP VIEW



FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 4 IN. (100 mm) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5 m) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 3/4-IN. (20 mm).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 mm) WITH A MINIMUM OF 3 INCHES (75 mm) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A •3 SPIRAL AT 6" (152.4 mm) PITCH OR MAY SUBSTITUTE •3 TIES AT 12" (304.8 mm) O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
15. LIGHT POLES ARE TO BE PLACED IN A PLUMB POSITION AND CENTERED ON THE CONCRETE FOUNDATION.

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PLOT SCALE = NTS	CHECKED - EE	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
< = 35' (10.668 m) M.H. 11 1/2" (292 mm) BOLT CIRCLE

SCALE: NTS | SHEET 7 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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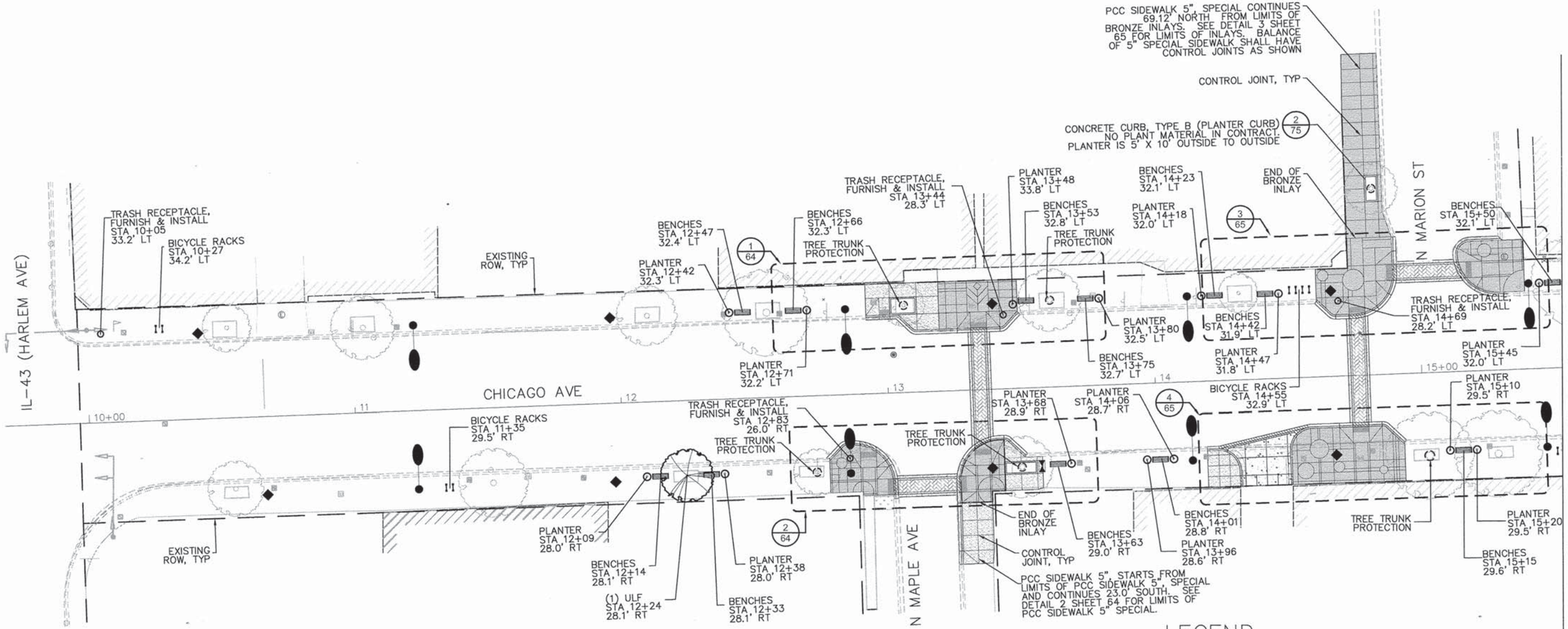
		CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003(512)		



1 LANDSCAPE PLAN
1" = 20'-0"

(IN FEET)
1 inch = 20ft.

LEGEND

- EXISTING TREE TO REMAIN
- PROPOSED TREE
- PORTLAND CEMENT CONCRETE PAVEMENT 9"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- BICYCLE RACKS
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- TRASH RECEPTACLE, FURNISH & INSTALL
- DEPRESSED CURB
- PLANTER
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- BENCHES
- BRICK PAVERS
- ORNAMENTAL LIGHT UNIT, COMPLETE
- SODDING
- DETECTABLE WARNINGS (SPECIAL)
- PEDESTRIAN STREET LIGHT

NOTE: STATION/OFFSET CALLOUTS ARE TO CENTER OF FURNISHING(S)

N

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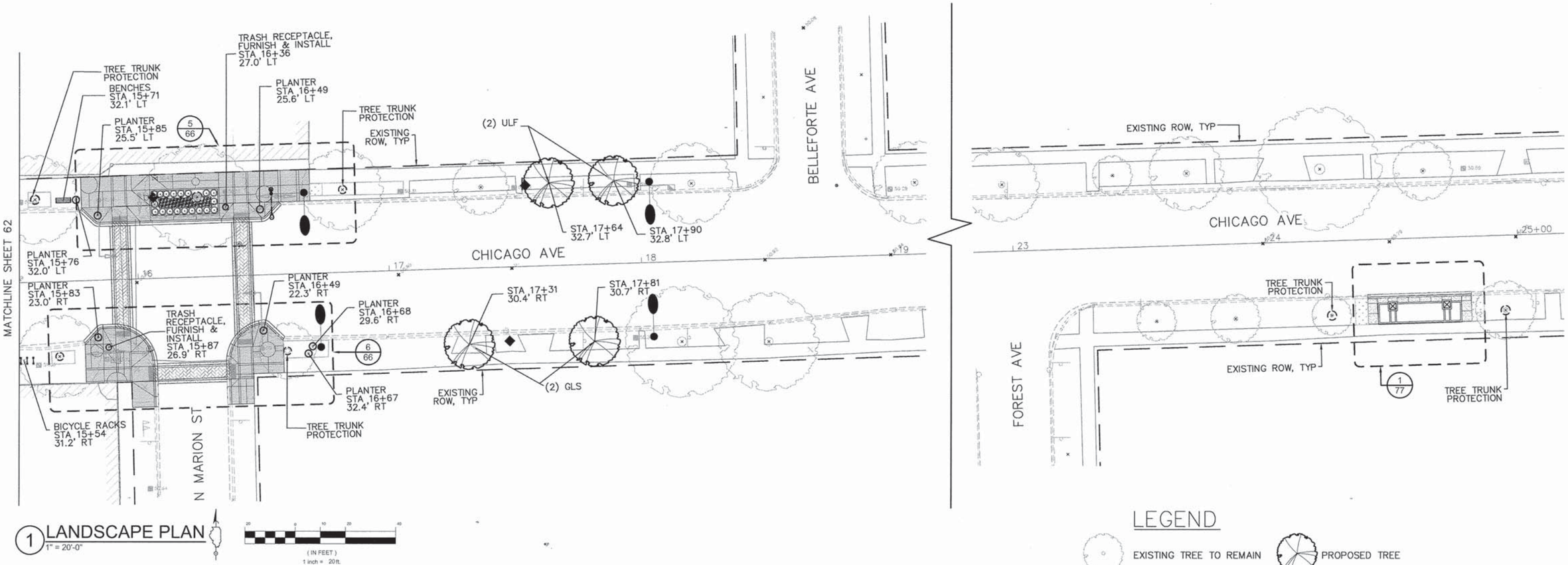
PLOT DATE = Feb 02, 2016 - 9:25am	DATE - 02/02/2016	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
LANDSCAPE PLAN

SCALE: AS NOTED | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	62
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT	M-4003(512)		



1 LANDSCAPE PLAN
1" = 20'-0"

(IN FEET)
1 inch = 20 ft.

LEGEND

- EXISTING TREE TO REMAIN
- PROPOSED TREE
- PORTLAND CEMENT CONCRETE PAVEMENT 9"
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH
- BICYCLE RACKS
- PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL
- TRASH RECEPTACLE, FURNISH & INSTALL
- DEPRESSED CURB
- PLANTER
- COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- BENCHES
- BRICK PAVERS
- ORNAMENTAL LIGHT UNIT, COMPLETE
- SODDING
- DETECTABLE WARNINGS (SPECIAL)
- PEDESTRIAN STREET LIGHT

NOTE: STATION/OFFSET CALLOUTS ARE TO CENTER OF FURNISHING(S)

N

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PLOT DATE = Feb 02, 2016 – 9:26am	DATE – 02/02/2016	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
LANDSCAPE PLAN

SCALE: AS NOTED | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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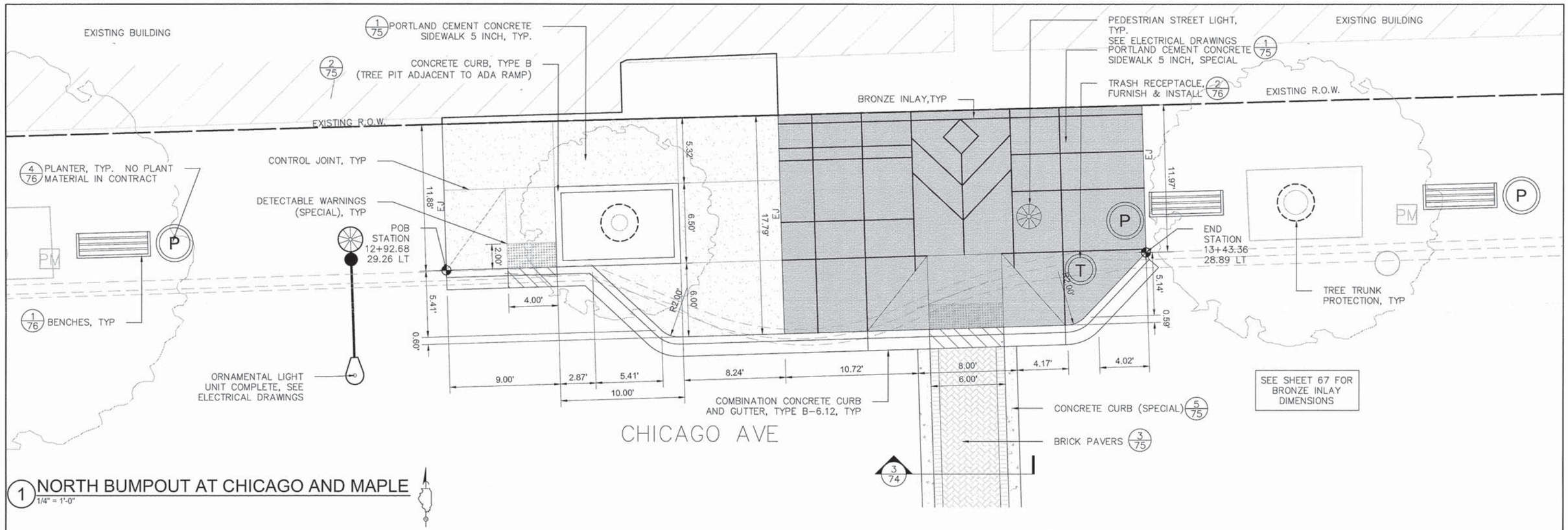
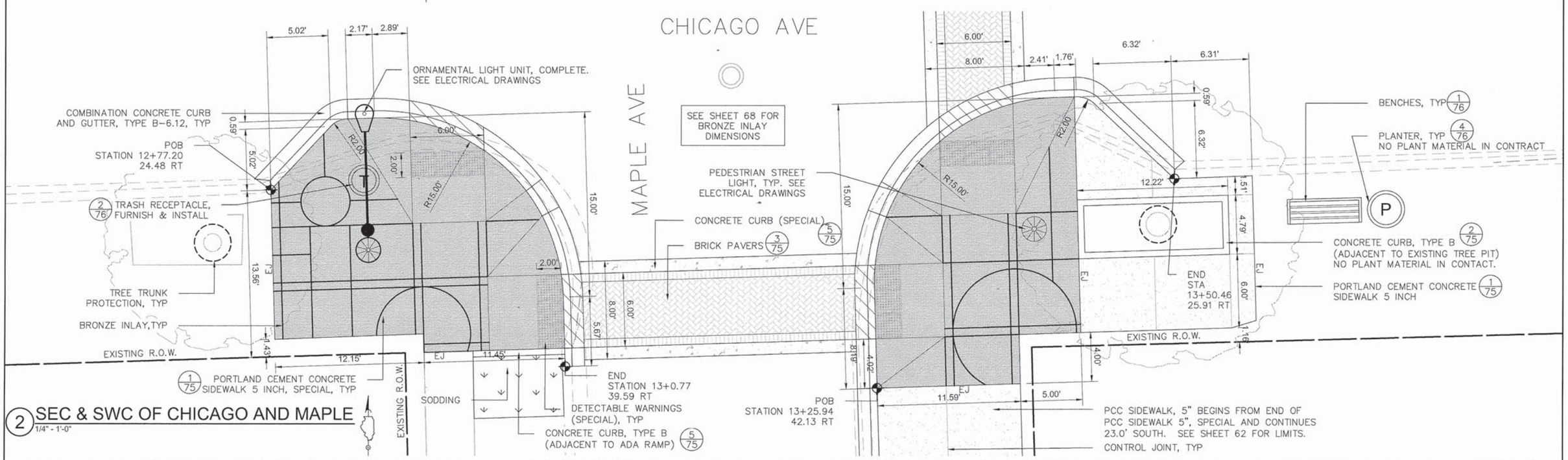
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT	M-4003(512)		



1 NORTH BUMPOUT AT CHICAGO AND MAPLE
1/4" = 1'-0"



2 SEC & SWC OF CHICAGO AND MAPLE
1/4" - 1'-0"

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TERRA ENGINEERING LTD.	USER NAME = StephenL	DESIGNED – TEL	REVISED –
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	PLOT DATE = Feb 02, 2016 - 9:28am	DATE – 02/02/2016	REVISED –

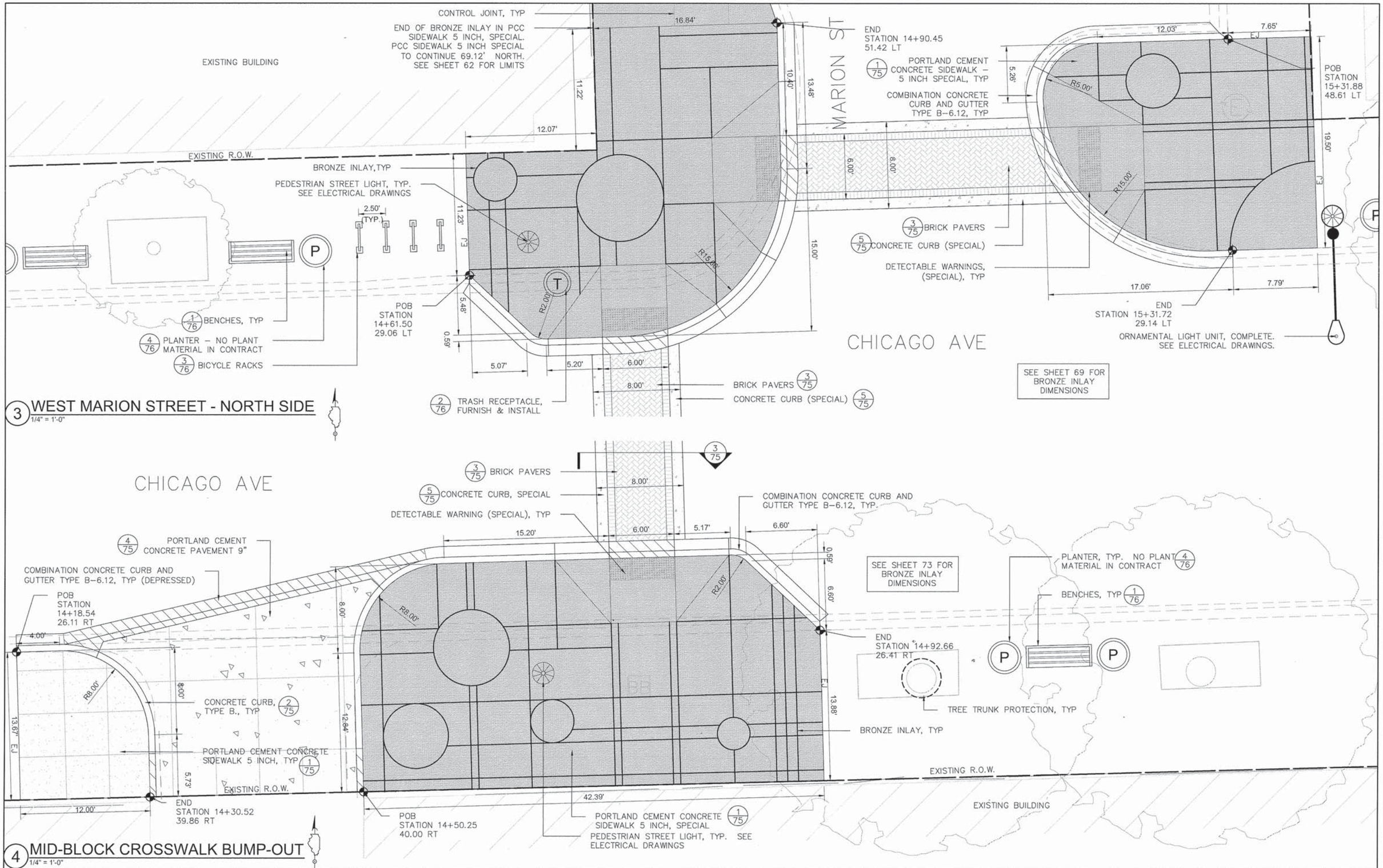
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SIDEWALK TREATMENT ENLARGEMENTS

SCALE: AS NOTED | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	64

CONTRACT NO. 61C69
ILLINOIS | FED. AID PROJECT M-4003(512)



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TERRA ENGINEERING LTD.	USER NAME = Stephen.L	DESIGNED - TEL	REVISED -
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	PLOT DATE = Feb 02, 2016 - 9:28am	DATE - 02/02/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SIDEWALK TREATMENT ENLARGEMENTS

SCALE: AS NOTED | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	65
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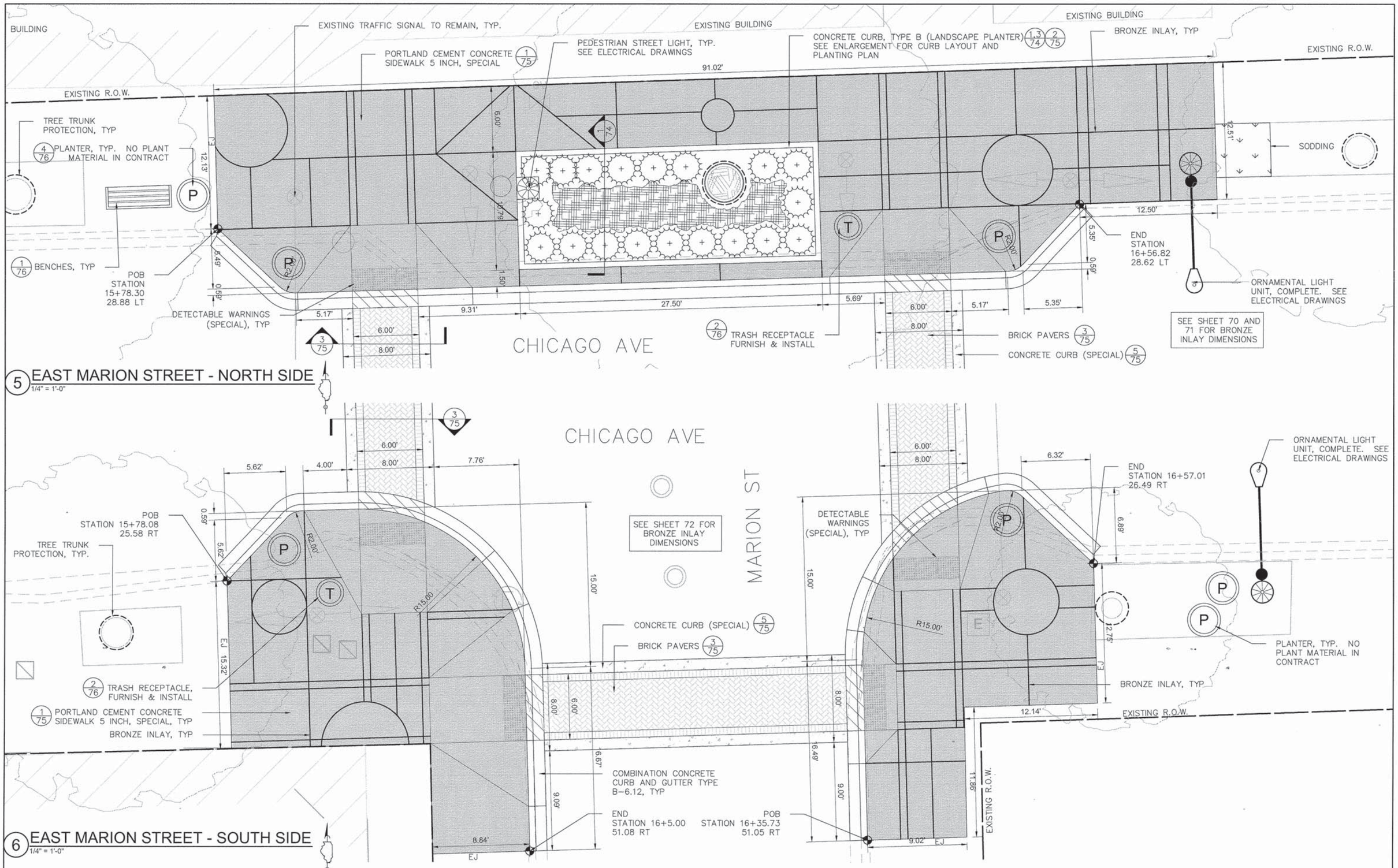

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
SIDEWALK TREATMENT ENLARGEMENTS

SCALE: AS NOTED | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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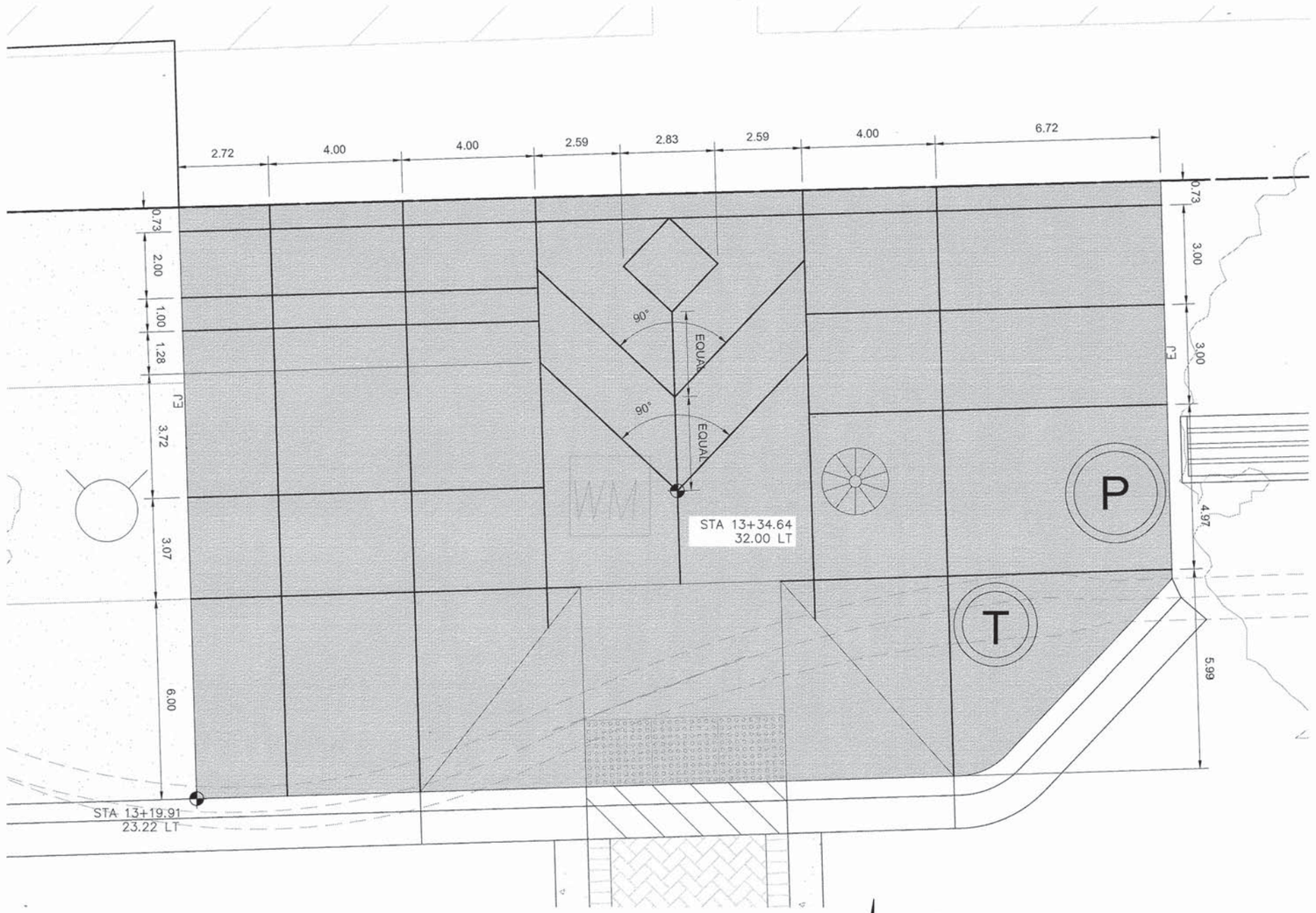
		CONTRACT NO. 61C69		
		ILLINOIS FED. AID PROJECT	M-4003(512)	



1 CHICAGO AND MAPLE, NORTH SIDE - BRONZE INLAY DIMENSION PLAN
1/2" = 1'-0"

FINAL DIMENSIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR BASED ON EXISTING CONDITIONS. LAYOUT MUST BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION AND FABRICATION.

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PLOT DATE = Feb 02, 2016 – 9:30am	DATE – 02/02/2016	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
DECORATIVE INLAY DIMENSION PLAN

SCALE: AS NOTED | SHEET 1 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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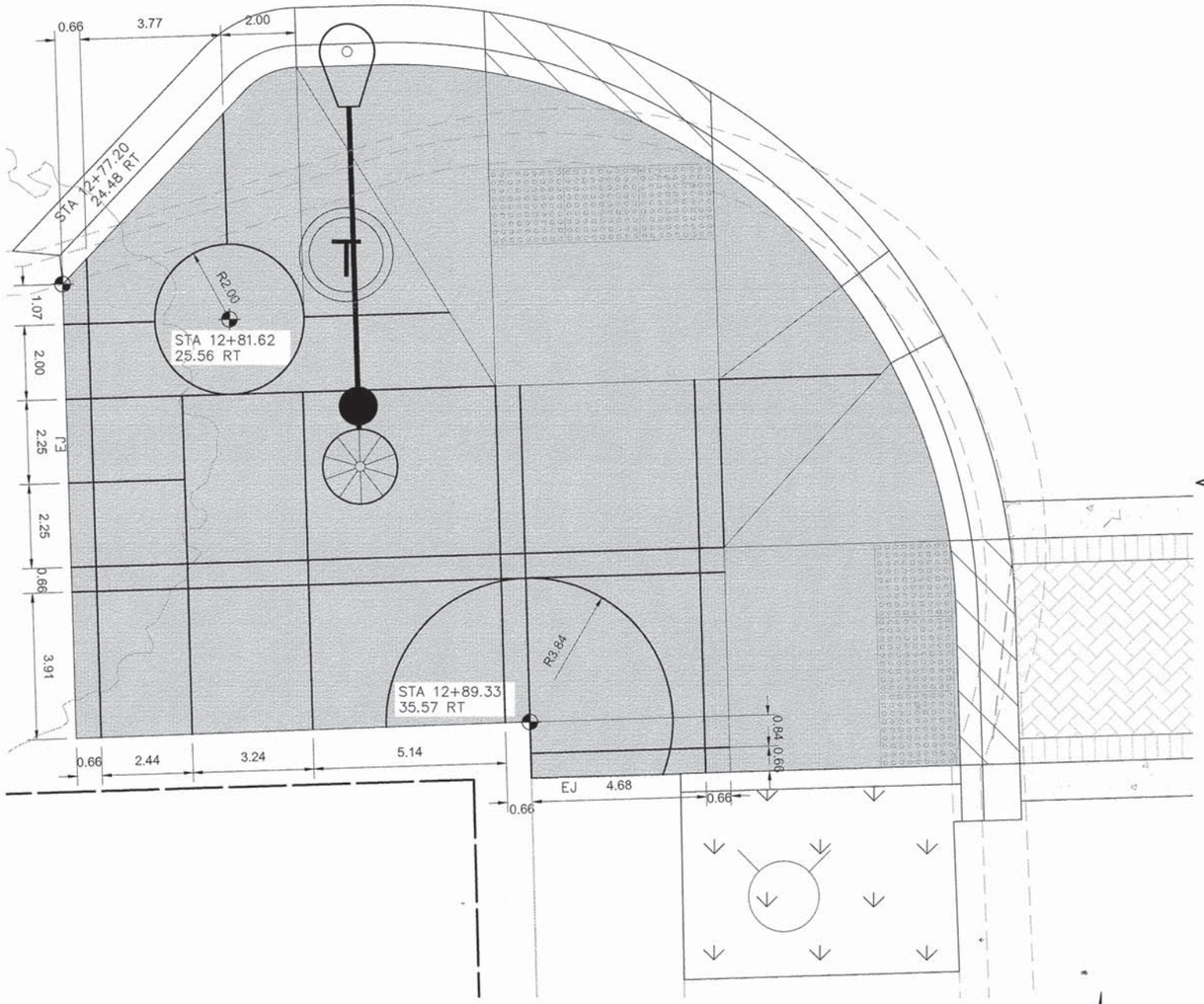
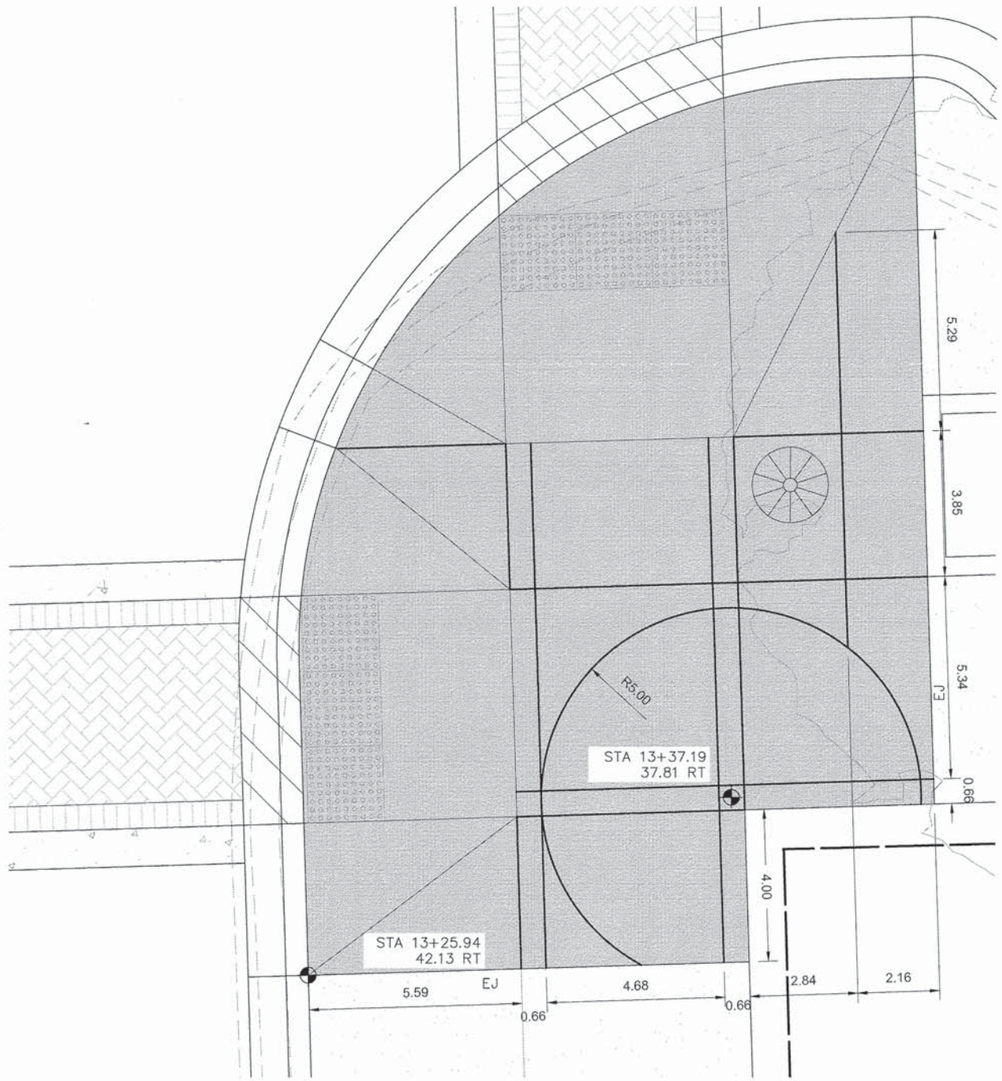
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT	M–4003(512)		



1 CHICAGO AND MAPLE, SW AND SE CORNER - BRONZE INLAY DIMENSION PLAN
1/2" = 1'-0"



FINAL DIMENSIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR BASED ON EXISTING CONDITIONS. LAYOUT MUST BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION AND FABRICATION.

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PLOT DATE = Feb 02, 2016 – 9:30am	DATE – 02/02/2016	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
DECORATIVE INLAY DIMENSION PLAN

SCALE: AS NOTED | SHEET 2 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15–00263–00–RS	COOK	96	68
		CONTRACT NO. 61C69		
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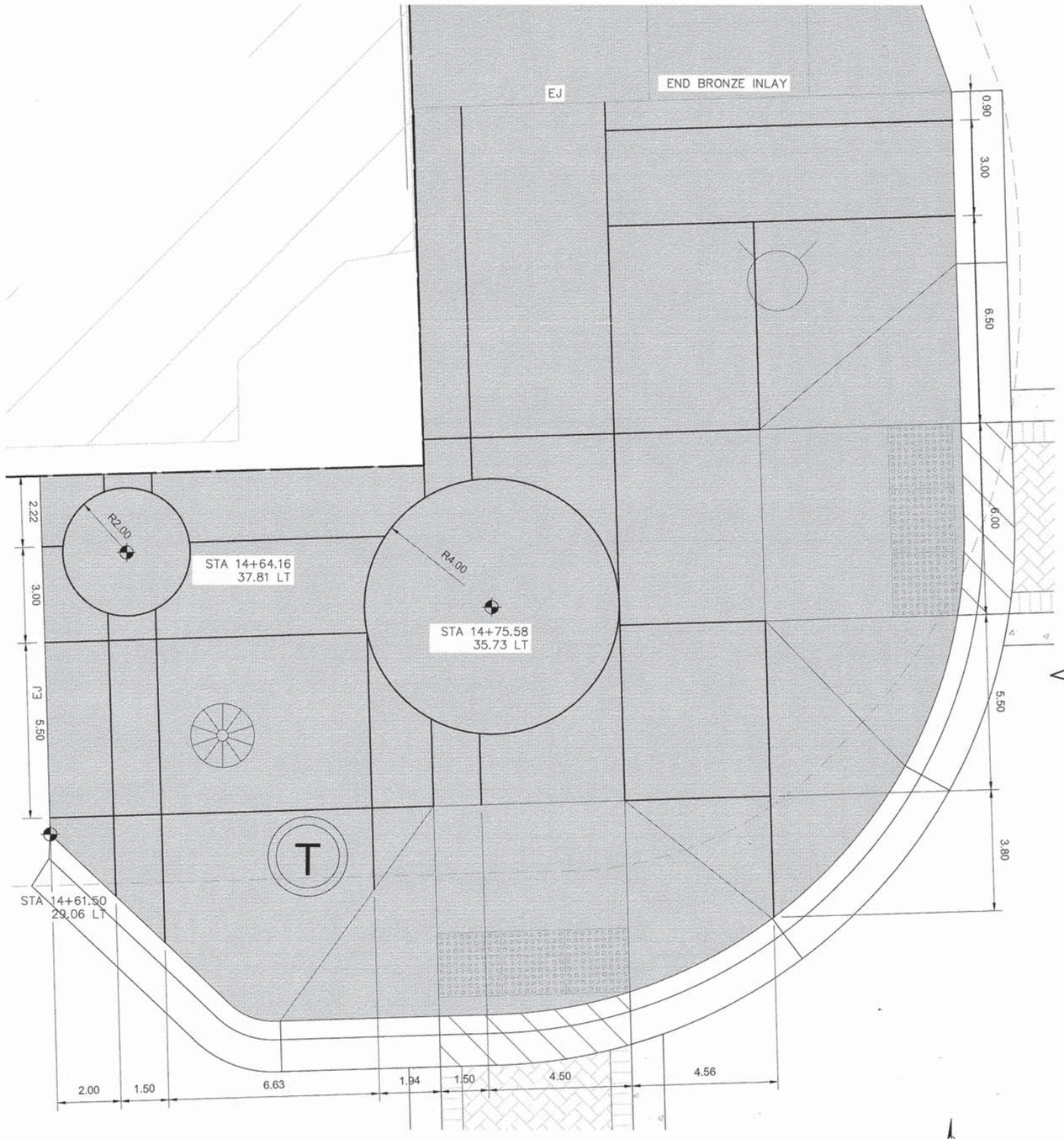

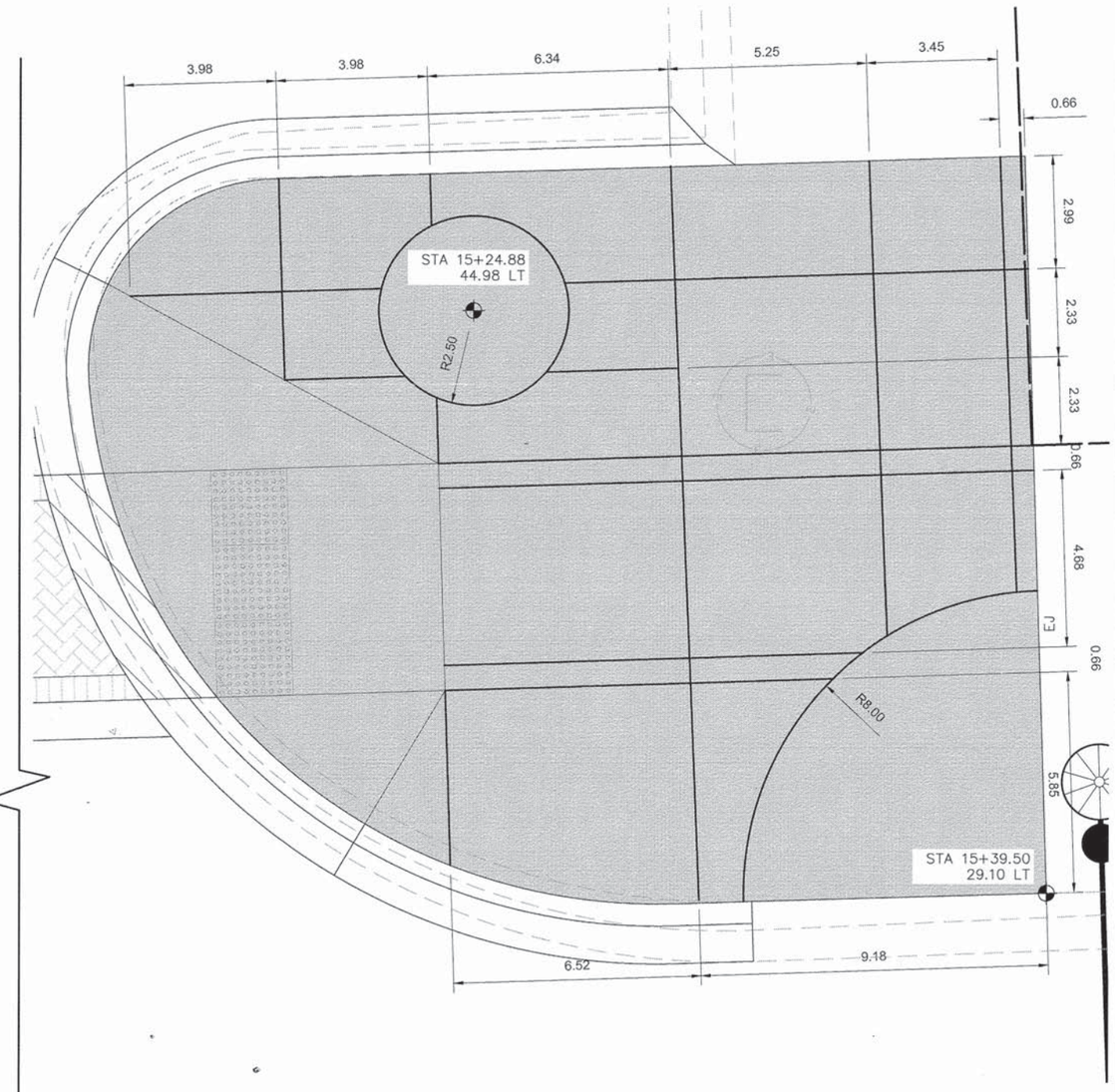

1 CHICAGO AND MARION, NW AND NE CORNER - BRONZE INLAY DIMENSION PLAN
1/2" = 1'-0"

FINAL DIMENSIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR BASED ON EXISTING CONDITIONS. LAYOUT MUST BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION AND FABRICATION.

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PLOT DATE = Feb 02, 2016 - 9:31am	DATE – 02/02/2016	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
DECORATIVE INLAY DIMENSION PLAN

SCALE: AS NOTED | SHEET 3 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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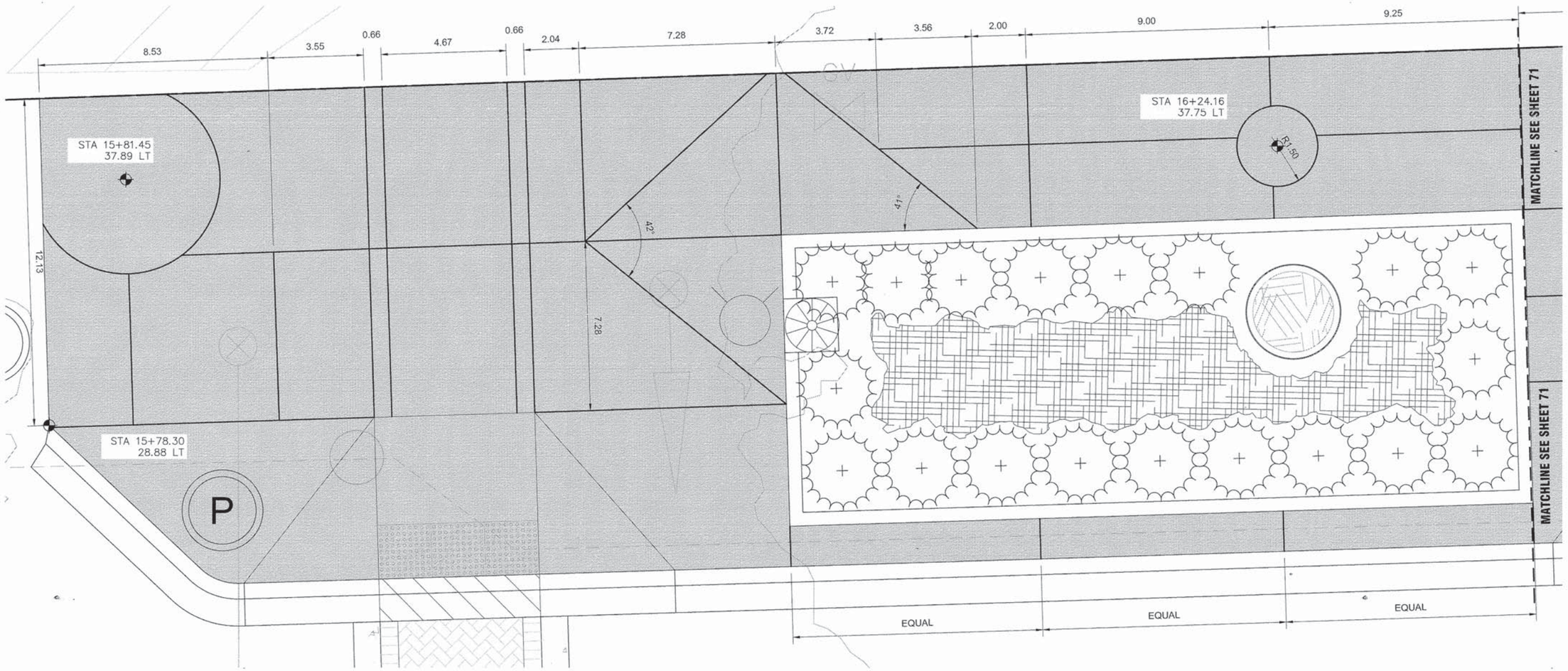

1 CHICAGO AND MARION, NORTH SIDE - BRONZE INLAY DIMENSION PLAN (SECTION 1)
1/2" = 1'-0"

FINAL DIMENSIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR BASED ON EXISTING CONDITIONS. LAYOUT MUST BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION AND FABRICATION.

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USER NAME = StephenL	DESIGNED – TEL	REVISED –	
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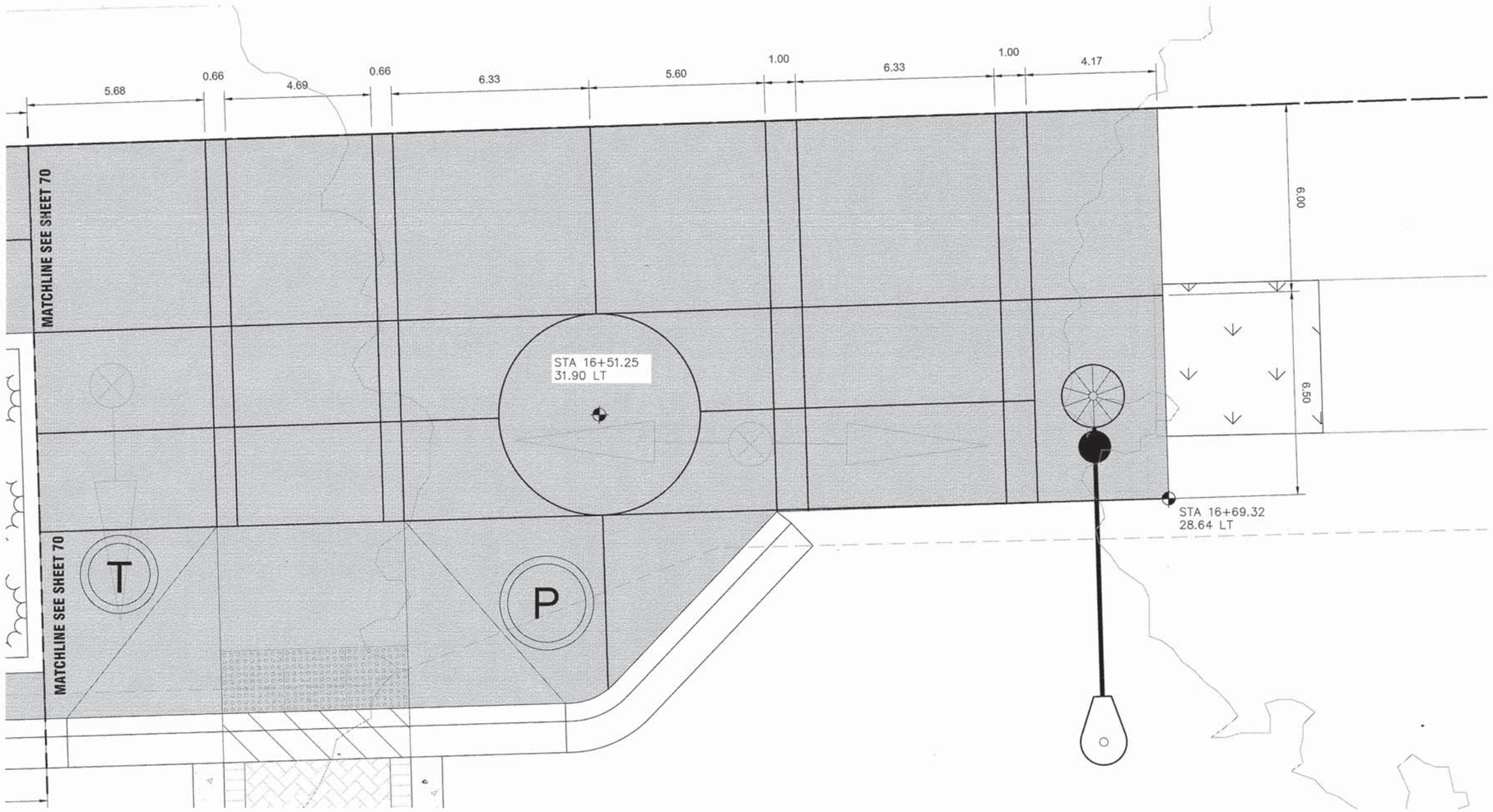
PLOT DATE = Feb 02, 2016 - 9:32am	DATE – 02/02/2016	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
DECORATIVE INLAY DIMENSION PLAN

SCALE: AS NOTED | SHEET 4 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	70
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT	M-4003(512)		



1 CHICAGO AND MARION, NORTH SIDE - BRONZE INLAY DIMENSION PLAN (SECTION 2)
1/2" = 1'-0"

M:\DAKPARK\15-220 Chicago Ave Lighting\DESIGN\CIVIL\CADD Drawings\DWG\Project Specific Details - Enlargements2s.dwg

TERRA ENGINEERING LTD.

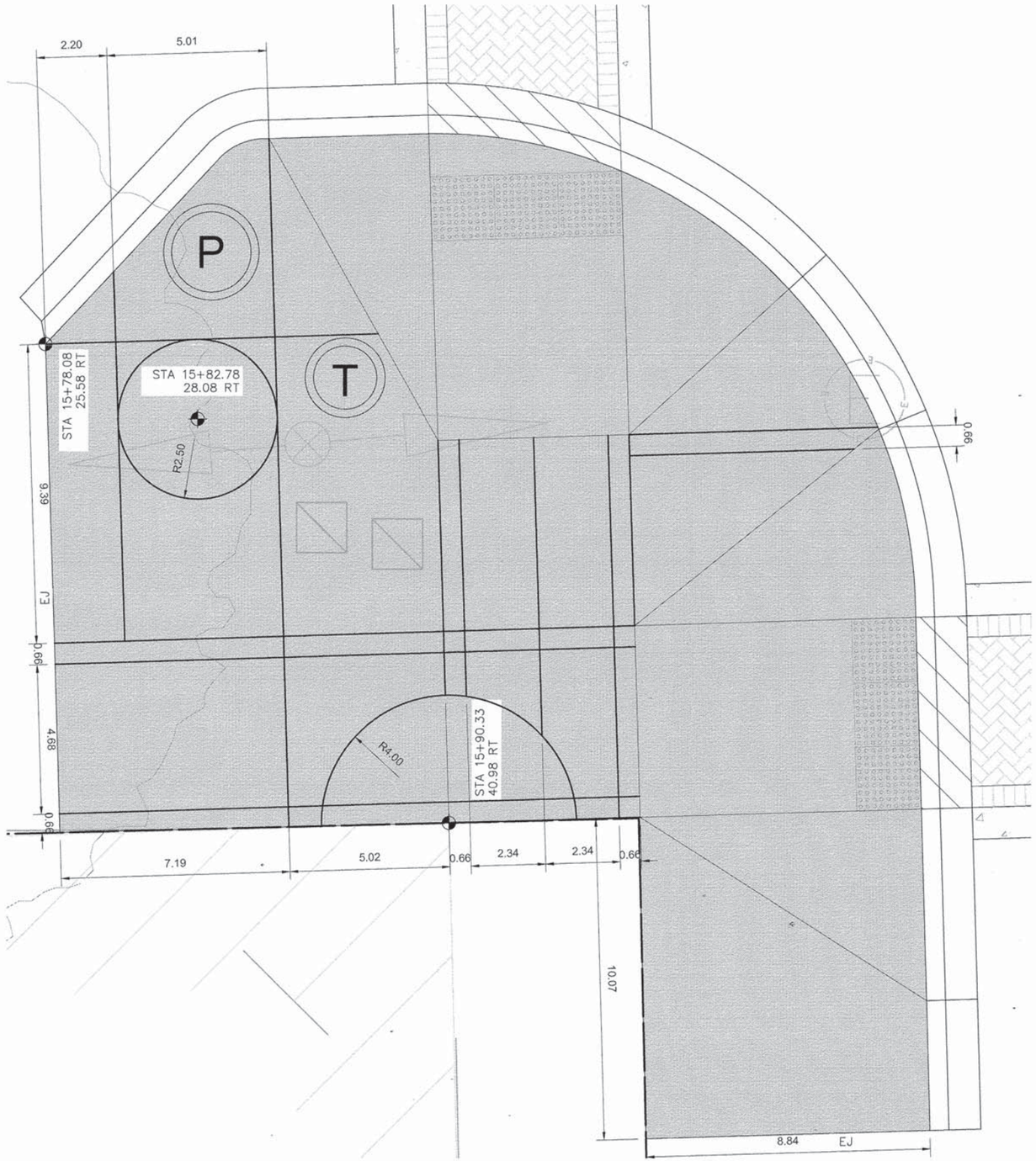
USER NAME = StephenL	DESIGNED – TEL	REVISED –	
	DRAWN – WJP	REVISED –	
PLOT SCALE = –	CHECKED – JM	REVISED –	
PLOT DATE = Feb 02, 2016 – 9:32am	DATE – 02/02/2016	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

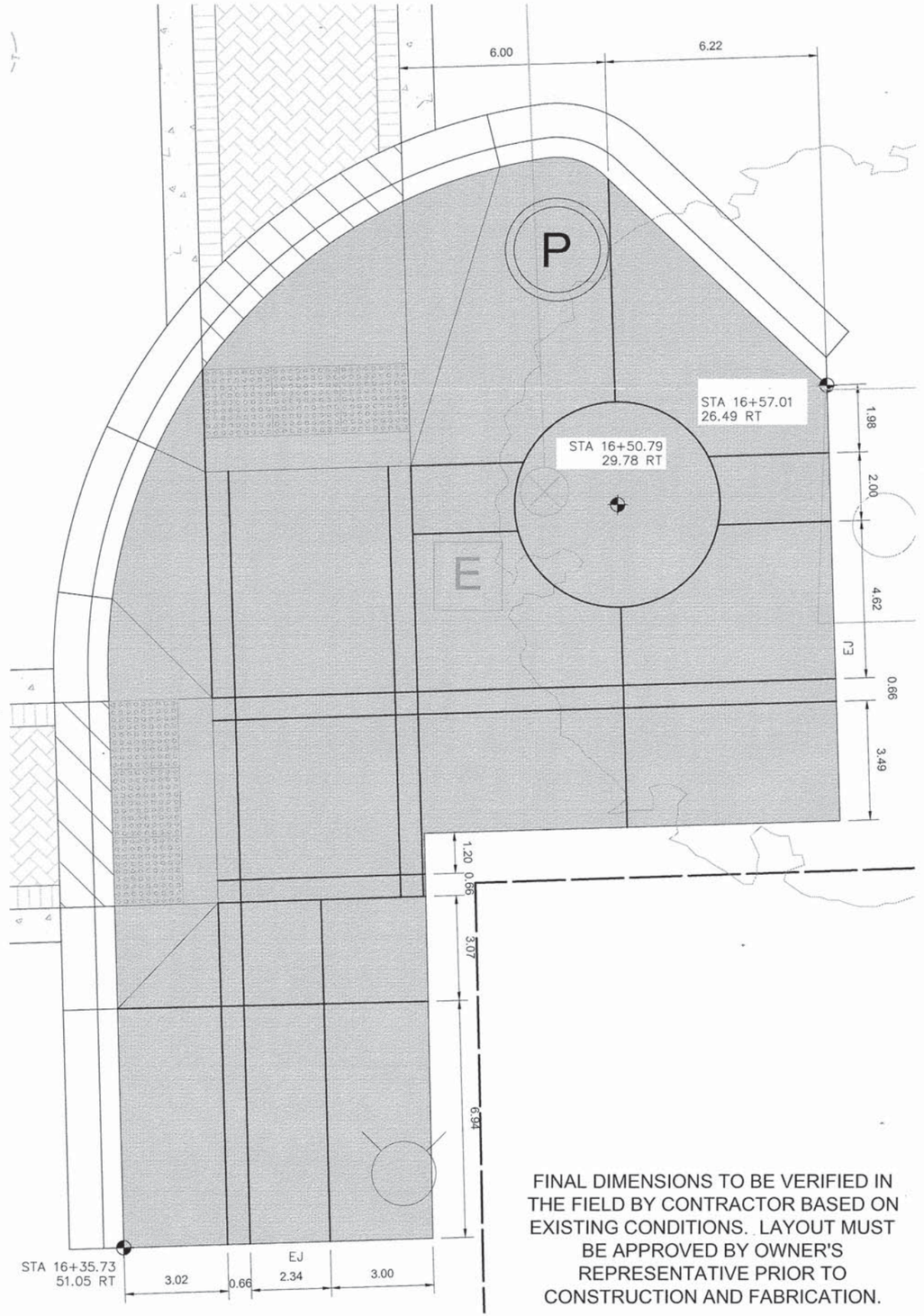
CHICAGO AVENUE
DECORATIVE INLAY DIMENSION PLAN

SCALE: AS NOTED | SHEET 5 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	71
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT	M-4003(512)		



1 CHICAGO AND MARION, SOUTH SIDE - SW AND SE CORNER BRONZE INLAY DIMENSION PLAN
1/2" = 1'-0"



FINAL DIMENSIONS TO BE VERIFIED IN THE FIELD BY CONTRACTOR BASED ON EXISTING CONDITIONS. LAYOUT MUST BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION AND FABRICATION.

M:\DWGPARK\15-220 Chicago Ave Lighting\DESIGN\CIVIL\CADD Drawings\DWG\Project Specific Details - Enlargements.dwg

TERRA ENGINEERING LTD.

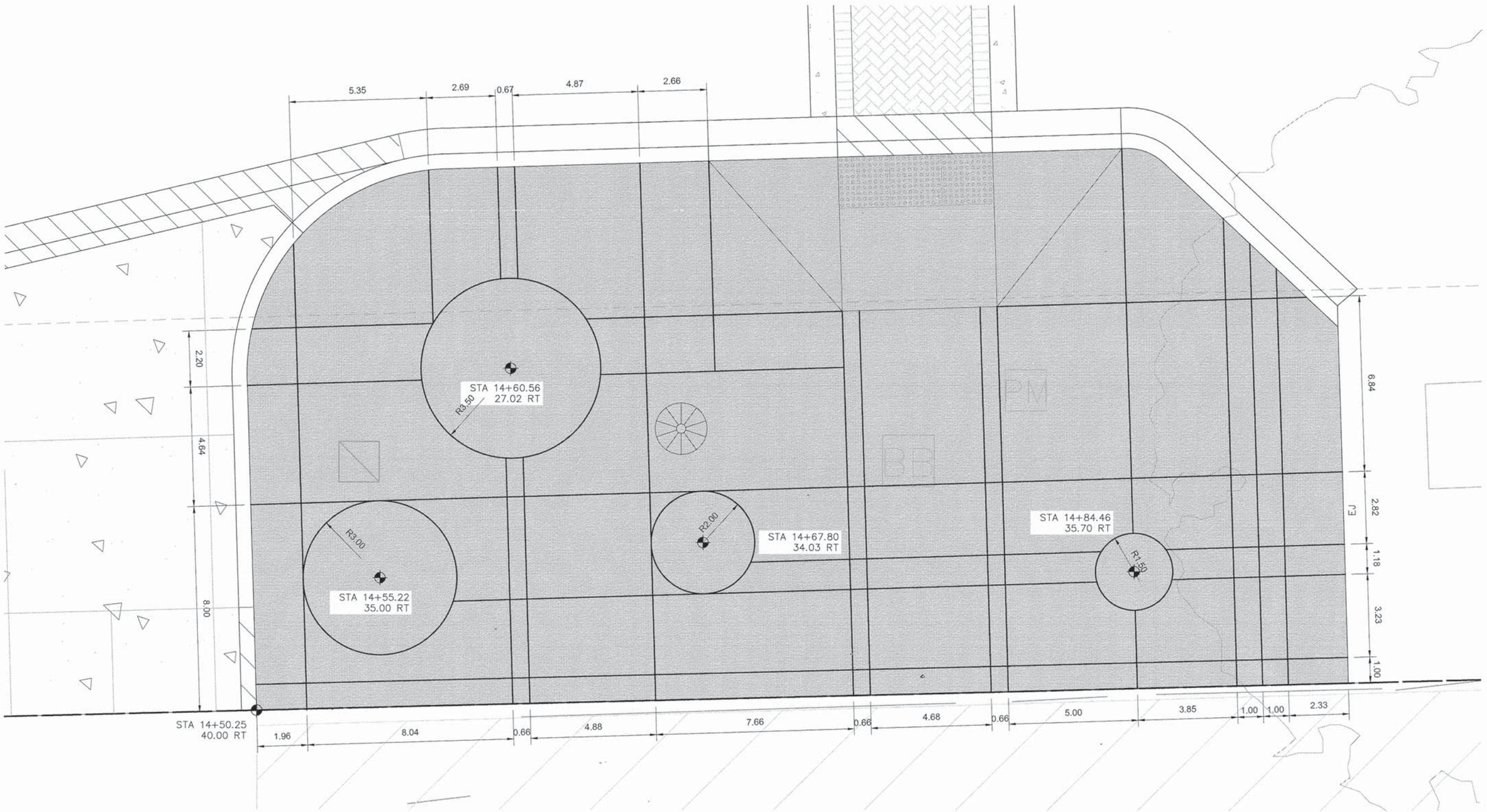
USER NAME = StephenL	DESIGNED – TEL	REVISED –
	DRAWN – WJP	REVISED –
PLOT SCALE = –	CHECKED – JM	REVISED –
PLOT DATE = Feb 02, 2016 – 9:32am	DATE – 02/02/2016	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CHICAGO AVENUE
DECORATIVE INLAY DIMENSION PLAN

SCALE: AS NOTED | SHEET 6 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	72
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT	M-4003(512)		



1 MID-BLOCK CROSSWALK, SOUTH SIDE OF CHICAGO AVE - BRONZE INLAY DIMENSION PLAN
1/2" = 1'-0"

M:\DMPWK\15-220 Chicago Ave Lighting\DESIGN\CIVIL\CADD Drawings\DWG\Project Specific Details - Enlargements.dwg

TERRA ENGINEERING LTD.

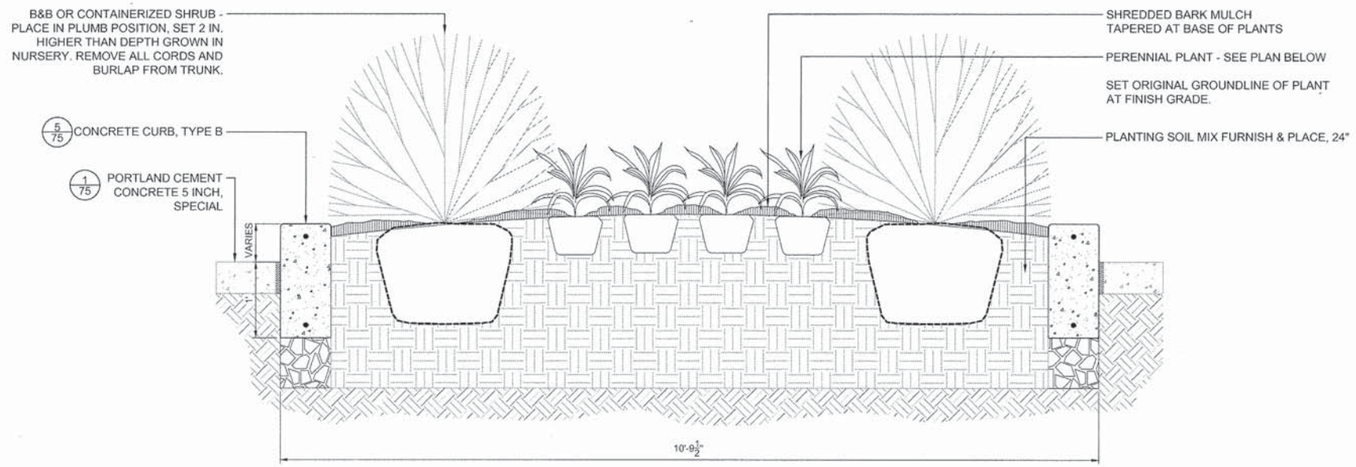
USER NAME = StephenL	DESIGNED – TEL	REVISED –
	DRAWN – WJP	REVISED –
PLOT SCALE = –	CHECKED – JM	REVISED –
PLOT DATE = Feb 02, 2016 - 9:33am	DATE – 02/02/2016	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

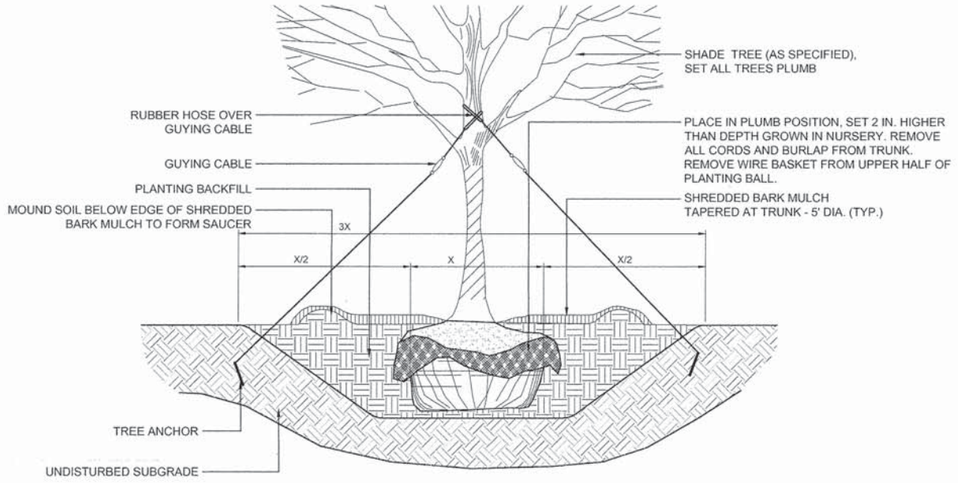
CHICAGO AVENUE
DECORATIVE INLAY DIMENSION PLAN

SCALE: AS NOTED | SHEET 7 OF 7 SHEETS | STA. | TO STA.

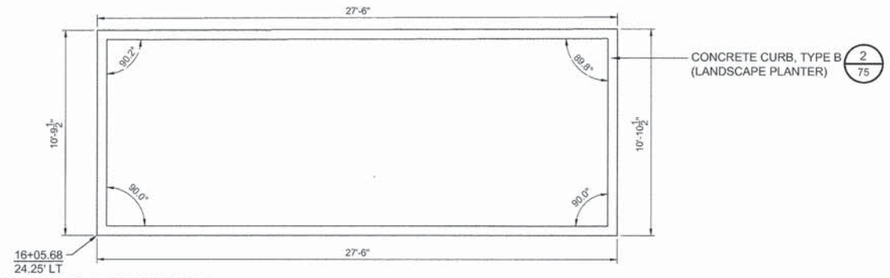
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	73
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT	M-4003(512)		



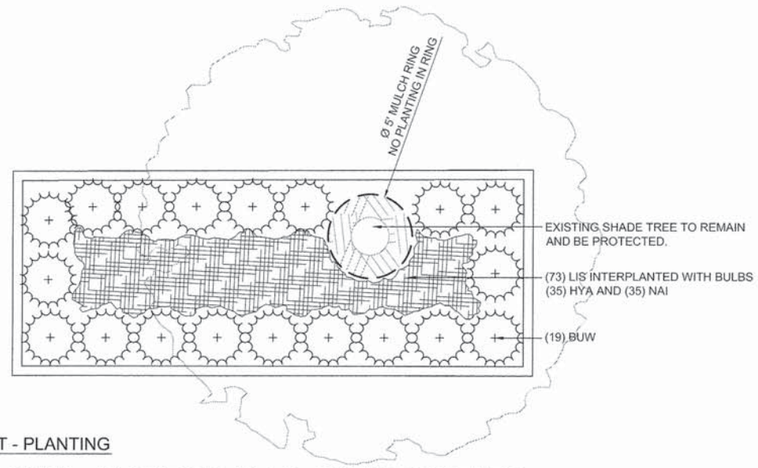
1 LANDSCAPE PLANTER PLANTING DETAIL
SCALE: 1" = 1'-0"



2 SHADE TREE PLANTING DETAIL
NTS



ENLARGEMENT - DIMENSION



ENLARGEMENT - PLANTING

3 PLANTER CURB - PLANTING PLAN ENLARGEMENTS
SCALE: 1/4" = 1'-0"

PLANT SCHEDULE

QTY.	UNIT	KEY	BOTANICAL NAME	COMMON NAME	SIZE	NOTES
			SHADE TREES			
2	N/A	GLS	GLEDITSIA TRIACANTHOS 'SKYLINE'	SKYLINE HONEYLOCUST	3" CAL.	B&B
3	N/A	ULF	ULMUS PARVIFOLIA 'FRONTIER'	FRONTIER ELM	3" CAL.	B&B
			SHRUBS			
19	N/A	BUW	BUXUS MICROPHYLA 'WINTERGREEN'	WINTERGREEN LITTLELEAF BOXWOOD	2' HT., CONT.	
			PERENNIAL PLANTS, ORNAMENTAL TYPE, QUART POT			
73	0.73	LIS	LIRIOPE SPICATA	LILYTURF	1 QUART POT	12" O.C.
			PERENNIAL PLANTS, BULB TYPE			
35	0.35	HYA	HYACINTHS SPP.	GRAPE HYACINTH	TOP SIZE	INTERPLANT WITH LIS
35	0.35	NAI	NARCISSUS 'ICE FOLLIES'	ICE FOLLIES DAFFODIL	TOP SIZE	INTERPLANT WITH LIS

M:\DATA\PARK\15-220 Chicago Ave Lighting\DESIGN\CIVIL\CADD Drawings\DWG\L200.dwg

TERRA ENGINEERING LTD.

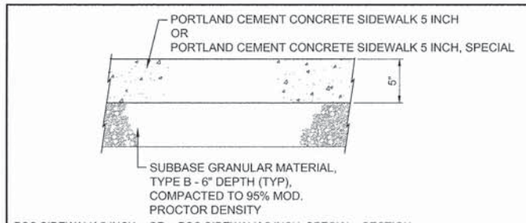
USER NAME = StephenL	DESIGNED – TEL	REVISED –	
	DRAWN – TEL	REVISED –	
PLOT SCALE = –	CHECKED – JM	REVISED –	
PLOT DATE = Feb 02, 2016 - 9:34am	DATE – 02/02/2016	REVISED –	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

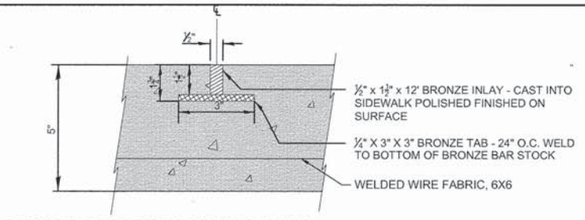
CHICAGO AVENUE
LANDSCAPE DETAILS

SCALE: AS NOTED | SHEET 1 OF 4 SHEETS | STA. | TO STA.

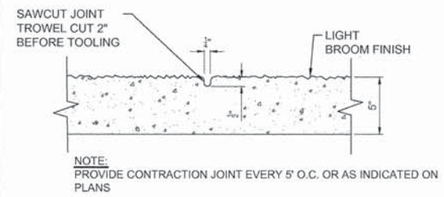
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	74
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT	M-4003(512)		



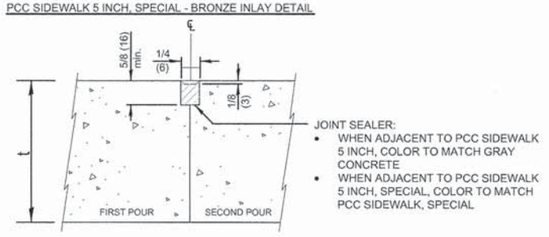
PCC SIDEWALK 5 INCH - OR - PCC SIDEWALK 5 INCH, SPECIAL - SECTION



PCC SIDEWALK 5 INCH, SPECIAL - BRONZE INLAY DETAIL



SAWCUT CONTRACTION JOINT

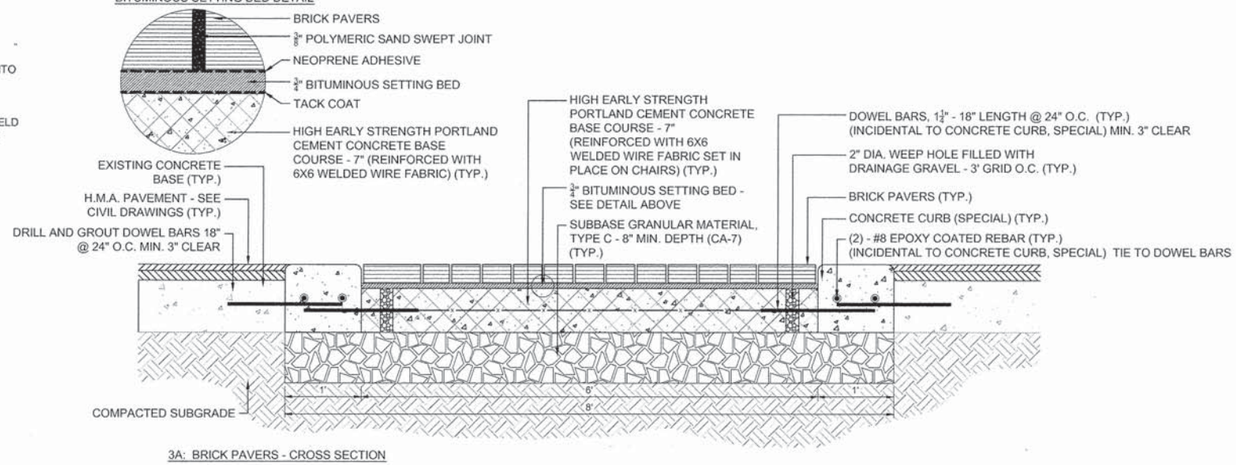


LONGITUDINAL CONSTRUCTION JOINT

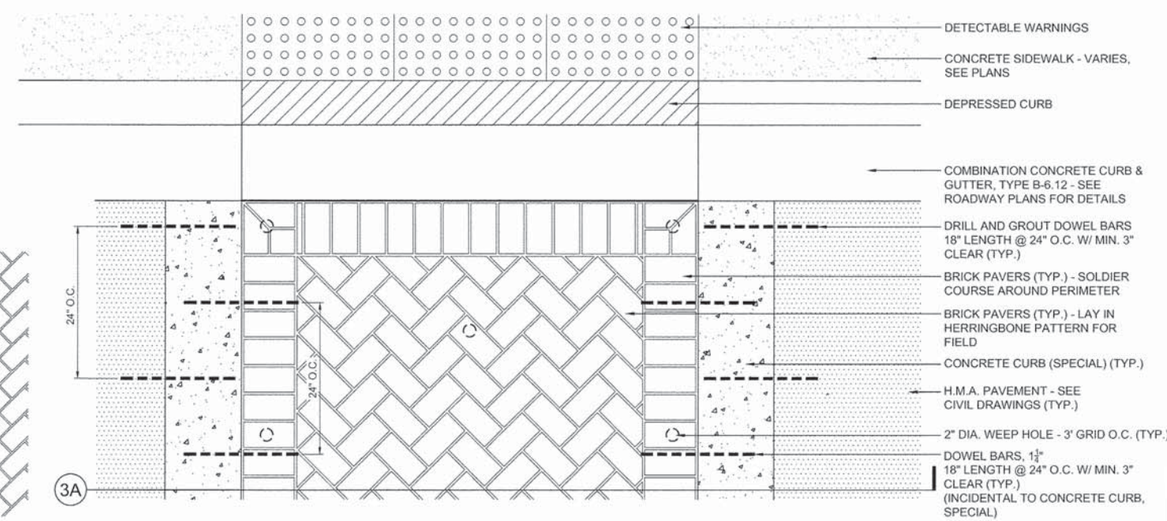
1 P.C.C. SIDEWALK 5 INCH - OR - P.C.C SIDEWALK 5 INCH, SPECIAL

SCALE: NTS

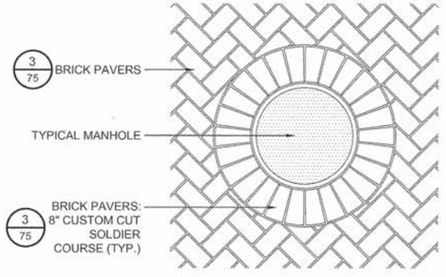
BITUMINOUS SETTING BED DETAIL



3A: BRICK PAVERS - CROSS SECTION



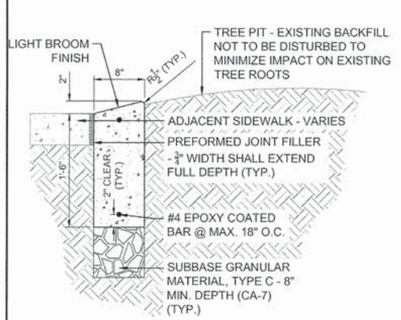
3B: BRICK PAVERS - PLAN VIEW



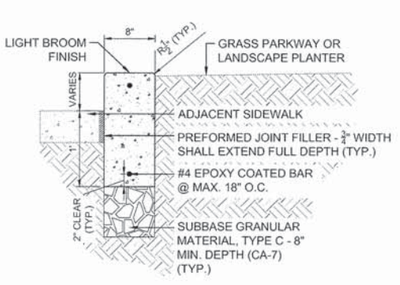
3C: BRICK PAVERS AT MANHOLE

3 BRICK PAVERS

SCALE: 1" = 1'-0"



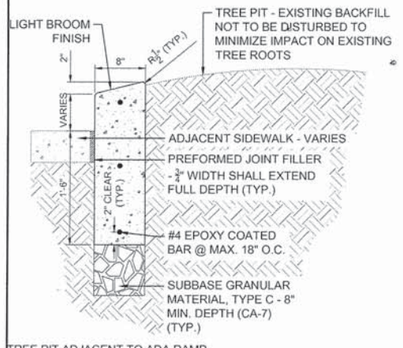
ADJACENT TO EXISTING TREE PITS



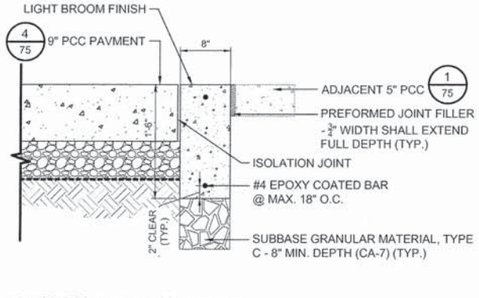
LANDSCAPE PLANTER, & ADJACENT TO ADA RAMPS

2 CONCRETE CURB, TYPE B

SCALE: 1" = 1' - 0"



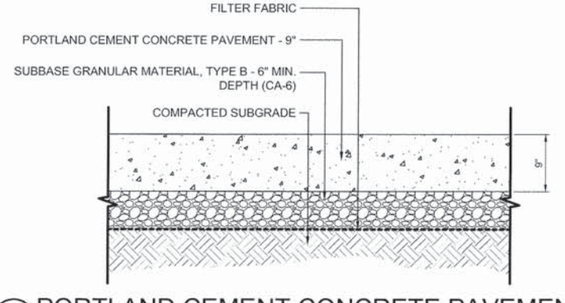
TREE PIT ADJACENT TO ADA RAMP

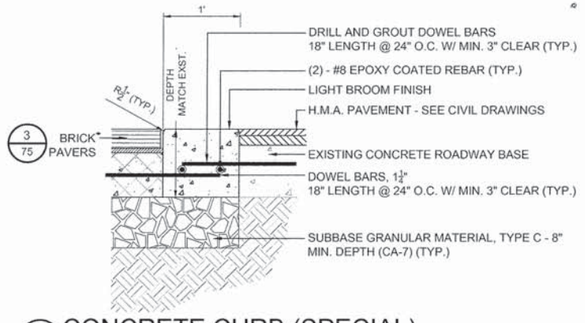


ADJACENT TO 5" AND 9" PCC PAVEMENT

4 PORTLAND CEMENT CONCRETE PAVEMENT 9"

SCALE: 1" = 1' - 0"





5 CONCRETE CURB (SPECIAL)

SCALE: 1" = 1' - 0"

M:\OAKPARK\15-220 Chicago Ave Lighting\DESIGN\CIVIL\CADD Drawings\DWG\L200.dwg

TERRA ENGINEERING LTD.

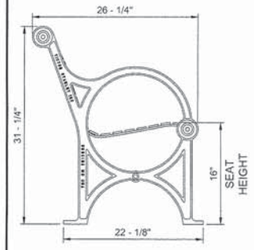
USER NAME = StephenL	DESIGNED – TEL	REVISED –
	DRAWN – TEL	REVISED –
PLOT SCALE = –	CHECKED – JM	REVISED –
PLOT DATE = Feb 02, 2016 - 9:37am	DATE – 02/02/2016	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

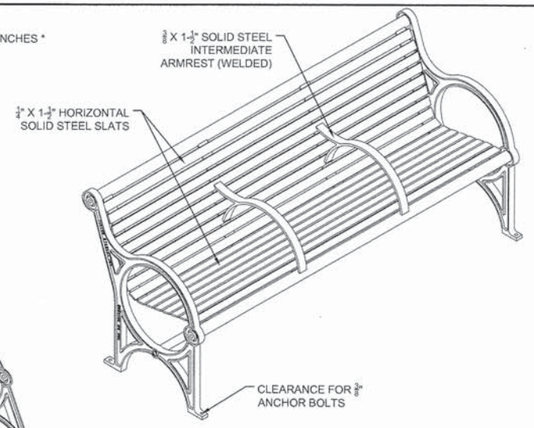
CHICAGO AVENUE
LANDSCAPE DETAILS

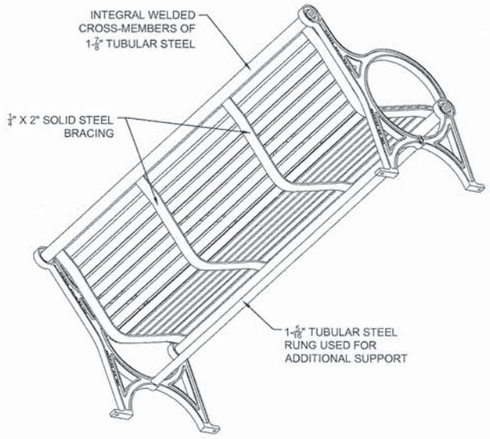
SCALE: AS NOTED | SHEET 2 OF 4 SHEETS | STA. | TO STA.

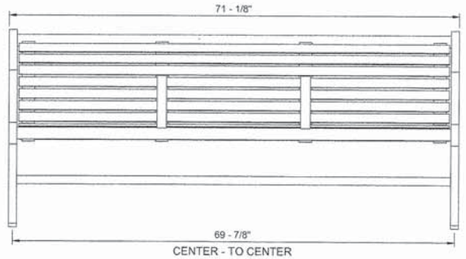
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	75
		CONTRACT NO. 61C69		
		ILLINOIS FED. AID PROJECT	M-4003(512)	



* ALL DIMENSIONS ARE IN INCHES *







CENTER-TO-CENTER DISTANCE ARE APPROXIMATE
(VARIATIONS IN CASTINGS ARISE FROM DIFFERENT RATES OF COOLING)

NOTES:

1. DUCTILE IRON CASTINGS COME WITH A TEN YEAR WARRANTY AGAINST BREAKAGE.
2. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
3. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10MILS (200-250 MICRONS).
4. IT IS NOT RECOMMENDED TO LOCATE ANCHOR BOLTS UNTIL BENCH IS IN PLACE. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT LOCAL CODES FOR REGULATIONS.
5. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
6. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 860°F (460°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH. THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
7. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE, CONTACT MANUFACTURER FOR DETAILS.
8. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

CBF-12
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6-FOOT LENGTH
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TOLL FREE: (800) 368-2573 (USA 7 CANADA)
TEL (301) 855-8300 - FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

REV. 12-5-14 DRAWN L.D.L. 2014-914

1 BENCHES
NTS

NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED,PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10MILS (200-250 MICRONS).
3. THIS VICTOR STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED IN OR TO THE GROUND. CONSULT LOCAL CODES FOR REGULATIONS.
4. ANCHOR BOLTS NOT PROVIDED BY VICTOR STANLEY, INC.
5. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. SEE WRITTEN SPECIFICATIONS FOR DETAILS.
6. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE, CONTACT MANUFACTURER FOR DETAILS.
7. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

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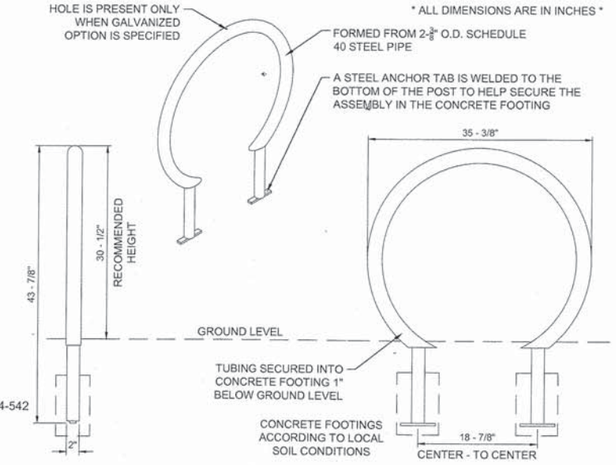
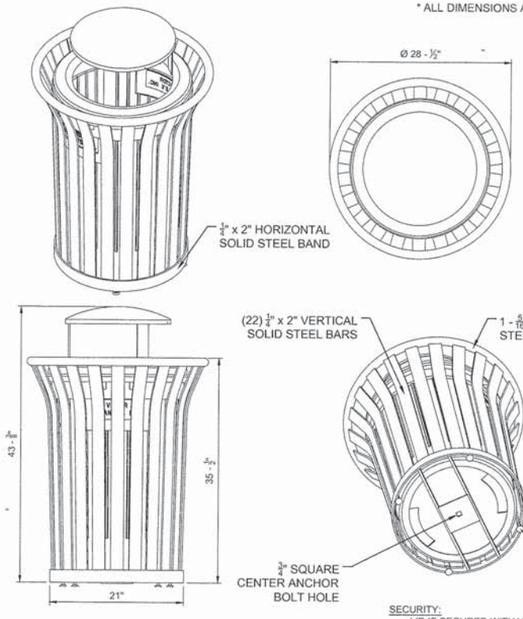
REV. 8-8-13 DRAWN C.R.K. 2013-875 & REV. 6-10-14 DRAWN L.D.L. 2014-542

3 BICYCLE RACKS
NTS



* ALL DIMENSIONS ARE IN INCHES *



T-45
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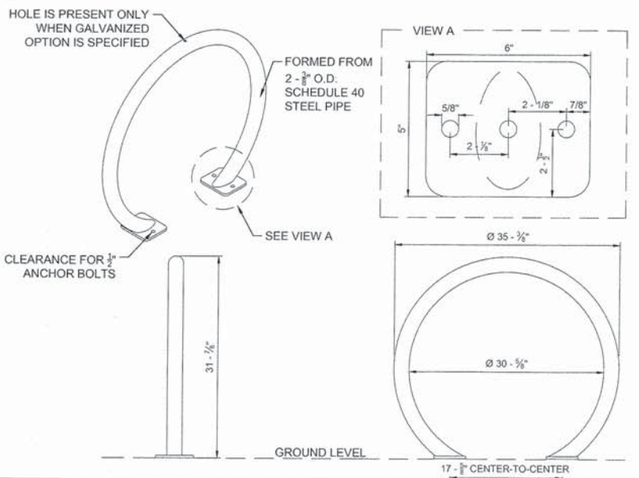
TEL (301) 855-8300 - FAX (410) 257-7579
WEB SITE: HTTP://WWW.VICTORSTANLEY.COM

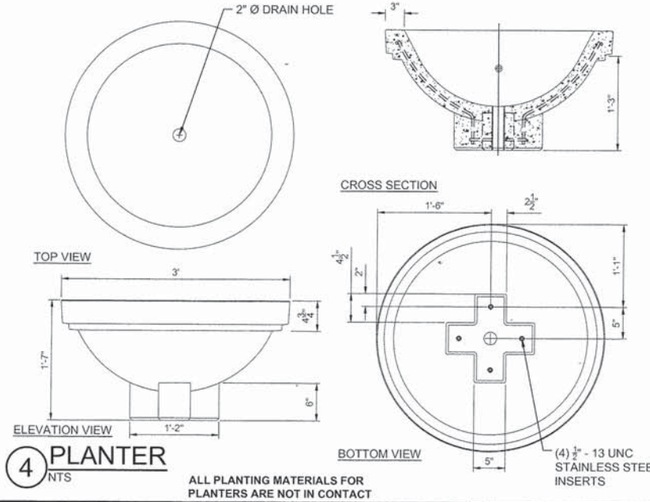
REV. 8-17-15 DRAWN L.D.L. 2015-873

SECURITY:
LID IS SECURED WITH VINYL COATED GALVANIZED STEEL AIRCRAFT CABLE. CABLE IS LOOPED AROUND WELDED IN PLACE ATTACHMENT BRACKETS AND CRIMPED IN PLACE.

NOTES:
1. DRAWINGS NOT TO SCALE. DO NOT SCALE DRAWINGS.
2. ALL FABRICATED METAL COMPONENTS ARE STEEL SHOTBLASTED, ETCHED, PHOSPHATIZED, PREHEATED, AND ELECTROSTATICALLY POWDER-COATED WITH T.G.I.C. POLYESTER POWDER COATINGS. PRODUCTS ARE FULLY CLEANED AND PRETREATED, PREHEATED AND COATED WHILE HOT TO FILL CREVICES AND BUILD COATING FILM. COATED PARTS ARE THEN FULLY CURED TO COATING MANUFACTURER'S SPECIFICATIONS. THE THICKNESS OF THE RESULTING FINISH AVERAGES 8-10MILS (200-250 MICRONS).
3. THIS VICTORY STANLEY, INC. PRODUCT MUST BE PERMANENTLY AFFIXED TO THE GROUND. CONSULT LOCAL CODES FOR REGULATIONS.
4. VICTORY STANLEY, INC., PLASTIC LINERS ARE MOLDED ON TOOLING DESIGNED FOR AND OWNED BY VICTOR STANLEY, INC. THEY OFFER MAXIMUM CAPACITY AND STRENGTH WITH LIGHTWEIGHT CONSTRUCTION USING CRITICAL MOLDED RIBS, INTEGRAL HANDHOLDS, AND HIGH-STRENGTH MATERIALS. THIS MINIMIZES HANDLING DIFFICULTY AND FACILITATES EASY EMPTYING AND STORAGE WHILE AFFORDING LONG SERVICE LIFE.
5. ANCHOR BOLT(S) NOT PROVIDED BY VICTOR STANLEY, INC.
6. FOR HIGH SALT ABUSIVE CLIMATES, HOT DIP GALVANIZING BEFORE POWDER COATING IS AVAILABLE. HOT-DIP GALVANIZING IS PERFORMED FOR VICTOR STANLEY, INC. BY AN EXPERIENCED QUALIFIED FIRM TO WHICH PRODUCTS ARE SHIPPED FOR GALVANIZING. HOT-DIP GALVANIZING INCLUDES AN AGGRESSIVE PRE-TREATMENT AND IMMERSION IN A TANK OF CHARGED LIQUID ZINC AT OR AROUND 860°F (460°C). THE RESULTING SURFACE IS RESISTANT TO RUST BUT HAS SOME UNEVENNESS RESULTING FROM THE BONDING OF THE ZINC TO THE STEEL SURFACE. AS A RESULT, THE POWDER-COATING SURFACE FINISH OVER THAT GALVANIZED SURFACE MAY EXHIBIT BUMPS, UNEVENNESS, AND MAY NOT BE AS SMOOTH AS THE STANDARD FINISH. THIS UNEVEN AND INCONSISTENT FINISH IS NORMAL FOR GALVANIZING. CONTACT MANUFACTURER FOR DETAILS.
7. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE, CONTACT MANUFACTURER FOR DETAILS.
8. THIS PRODUCT IS SHIPPED FULLY ASSEMBLED.

2 TRASH RECEPTACLE, FURNISH & INSTALL
NTS





4 PLANTER
NTS

ALL PLANTING MATERIALS FOR PLANTERS ARE NOT IN CONTACT

M:\OAKPARK\15-220 Chicago Ave Lighting\DESIGN\civil\CAD Drawings\DWG\L200.dwg

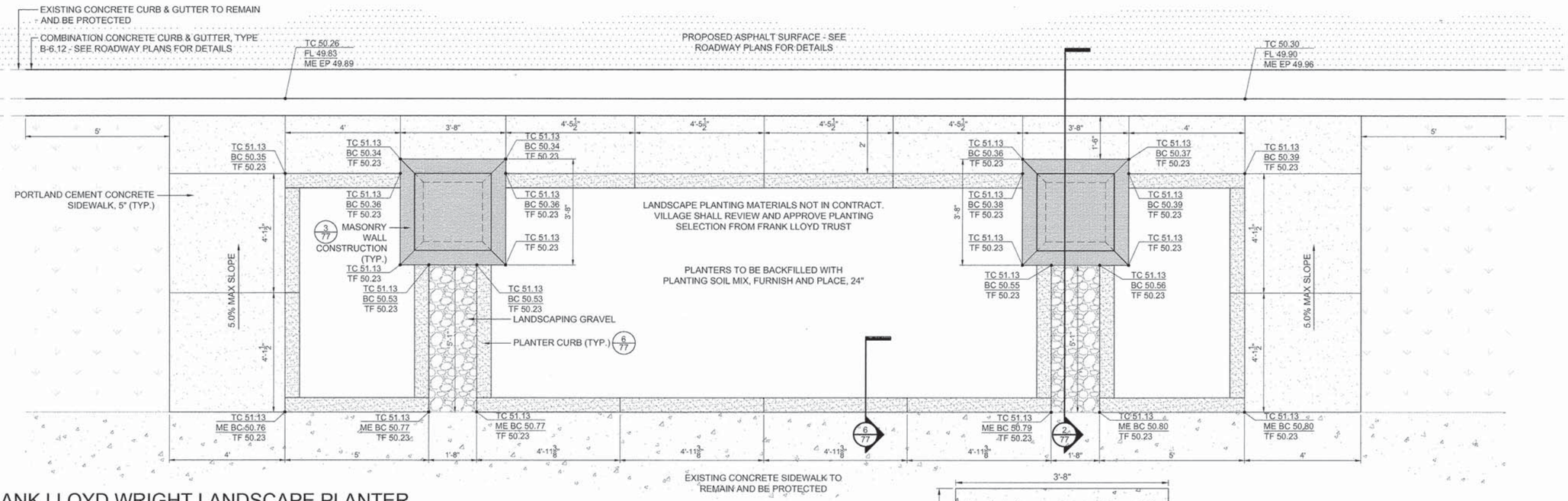
TERRA ENGINEERING LTD.	USER NAME = StephenL	DESIGNED — TEL	REVISED —
		DRAWN — TEL	REVISED —
	PLOT SCALE = –	CHECKED — JM	REVISED —
	PLOT DATE = Feb 02, 2016 – 9:39am	DATE — 02/02/2016	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

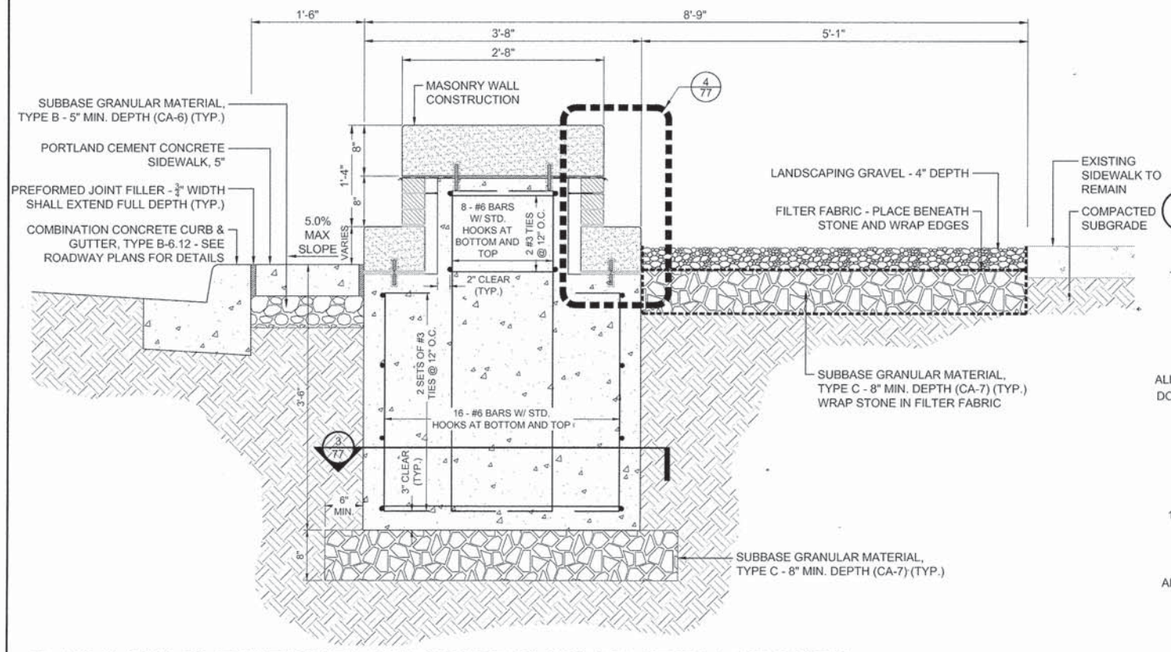
CHICAGO AVENUE
LANDSCAPE DETAILS

SCALE: AS NOTED | SHEET 3 OF 4 SHEETS | STA. | TO STA.

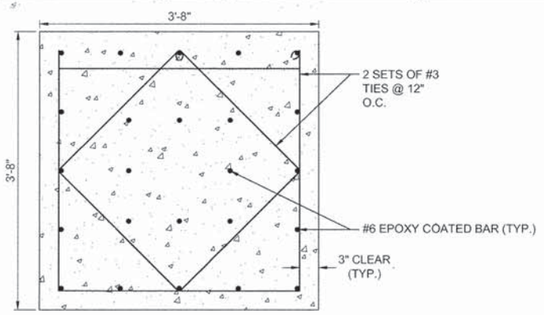
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	76
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT	M-4003(512)		



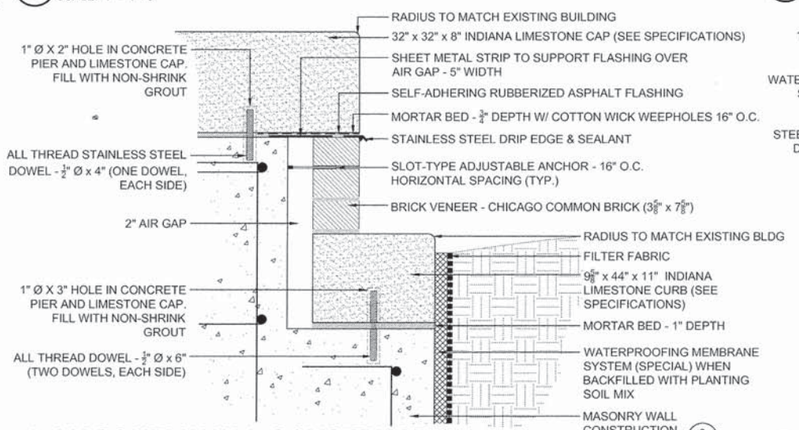
1 FRANK LLOYD WRIGHT LANDSCAPE PLANTER
SCALE: 1/2" = 1'-0"



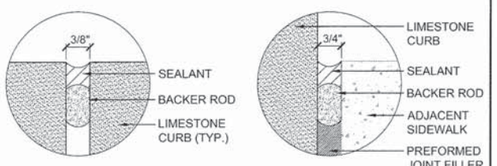
2 FRANK LLOYD WRIGHT LANDSCAPE PLANTER CROSS SECTION
SCALE: 1" = 1'-0"



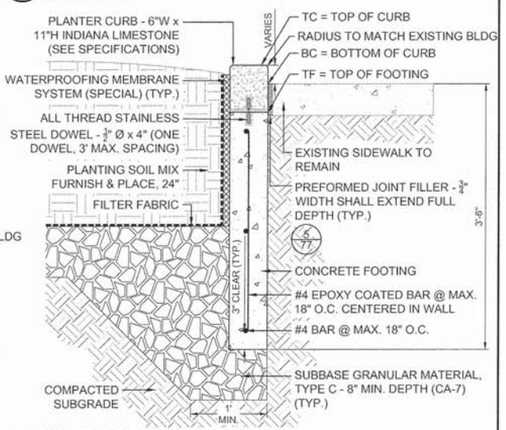
3 MASONRY WALL CONSTRUCTION CONCRETE PIER DETAIL
SCALE: 1" = 1' - 0"



4 MASONRY WALL CONSTRUCTION
SCALE: 2" = 1' - 0"



5 PLANTER CURB JOINT DETAIL
NOT TO SCALE



6 PLANTER CURB
SCALE: 1" = 1' - 0"

TERRA ENGINEERING LTD.	USER NAME = StephenL	DESIGNED – TEL	REVISED –	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CHICAGO AVENUE LANDSCAPE DETAILS
		DRAWN – TEL	REVISED –		
	PLOT SCALE = –	CHECKED – JM	REVISED –		SCALE: AS NOTED SHEET 4 OF 4 SHEETS STA. TO STA.
	PLOT DATE = Feb 02, 2016 – 9:40am	DATE – 02/02/2016	REVISED –		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15–00263–00–RS	COOK	96	77
		CONTRACT NO. 61C69		
	ILLINOIS FED. AID PROJECT	M–4003(512)		

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TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET	R		
RAILROAD CONTROL CABINET		R R	R R
COMMUNICATIONS CABINET	R CC	ECC	CC
MASTER CONTROLLER		EMC	MC
MASTER MASTER CONTROLLER		EMMC	MMC
UNINTERRUPTABLE POWER SUPPLY	R UPS	EUPS	UPS
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	R	P	P
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT	R T	P T	P T
STEEL MAST ARM ASSEMBLY AND POLE	R		
ALUMINUM MAST ARM ASSEMBLY AND POLE	R		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	R		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA	R PTZ	PTZ	PTZ
SIGNAL POST	R		
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM	R		
GUY WIRE	R		
SIGNAL HEAD	R		
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)			2
SIGNAL HEAD WITH BACKPLATE	R		
SIGNAL HEAD OPTICALLY PROGRAMMED	R "P"	"P"	"P"
FLASHER INSTALLATION (S DENOTES SOLAR POWER)	R "F"	"F"	"F"
PEDESTRIAN SIGNAL HEAD	R		
PEDESTRIAN PUSHBUTTON DETECTOR	R		
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR	R APS	APS	APS
ILLUMINATED SIGN "NO LEFT TURN"	R		
ILLUMINATED SIGN "NO RIGHT TURN"	R		
DETECTOR LOOP, TYPE I			
PREFORMED DETECTOR LOOP		P	P
MICROWAVE VEHICLE SENSOR	R M	M	M
VIDEO DETECTION CAMERA	R V	V	V
VIDEO DETECTION ZONE			
PAN, TILT, ZOOM CAMERA	R PTZ	PTZ	PTZ
WIRELESS DETECTOR SENSOR	R W	W	W
WIRELESS ACCESS POINT	R		

ITEM	REMOVAL	EXISTING	PROPOSED
EMERGENCY VEHICLE LIGHT DETECTOR	R		
CONFIRMATION BEACON	R		
HANDHOLE	R		
HEAVY DUTY HANDHOLE	R H	H	H
DOUBLE HANDHOLE	R		
JUNCTION BOX	R		
UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)			
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE	R		
COMMON TRENCH			CT
COILABLE NONMETALLIC CONDUIT (EMPTY)			CNC
SYSTEM ITEM		S	S
INTERSECTION ITEM		I	IP
REMOVE ITEM	R		
RELOCATE ITEM	RL		
ABANDON ITEM	A		
12" (300mm) TRAFFIC SIGNAL SECTION		R	R
12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE		R Y G	
SIGNAL FACE		R Y G ←Y ←G	R Y G ←Y ←G
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD. "RB" INDICATES REFLECTIVE BACKPLATE		R Y G ←Y ←G "P"	R Y G ←Y ←G "P"
12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL		DW W	
12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED			
12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID			
PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		C D	C D
RADIO INTERCONNECT	R		
RADIO REPEATER	R ERR	ERR	RR
DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED		5	5
GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)		I	I

ITEM	REMOVAL	EXISTING	PROPOSED
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE		I	I
COAXIAL CABLE		C	C
VENDOR CABLE FOR CAMERA		V	V
COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED		6	6
FIBER OPTIC CABLE NO. 62.5/125, MM12F		12F	
FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F		24F	24F
FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F		36F	36F
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE		C	C
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED	RCF		
STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED	RMF		
ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED	RMF		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED	RMF		
SIGNAL POST AND FOUNDATION TO BE REMOVED	RPF		
INTERSECTION & SAMPLING (SYSTEM) DETECTOR		IS	IS
SAMPLING (SYSTEM) DETECTOR		S	S
QUEUE DETECTOR		Q	Q
PREFORMED QUEUE DETECTOR		PQ	PQ
PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		PIS	PIS
PREFORMED SAMPLING (SYSTEM) DETECTOR		PS	PS

RAILROAD SYMBOLS

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

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		DRAWN - BCK	REVISED -
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 1 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	78
	TS-05	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003 (512)		

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.

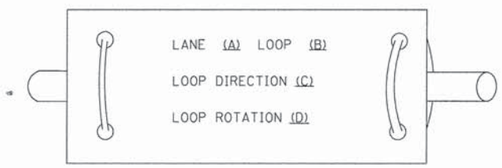
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

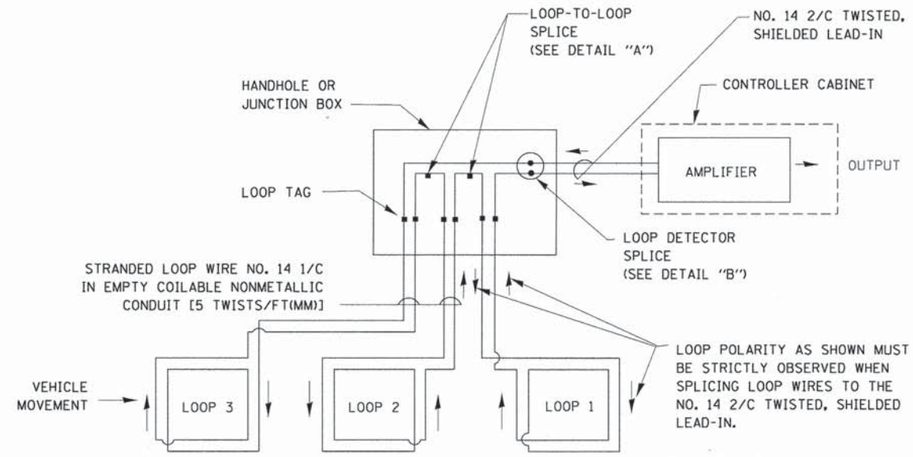


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

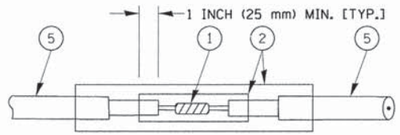
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

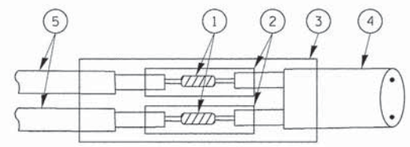


DETECTOR LOOP WIRING SCHEMATIC

- 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.

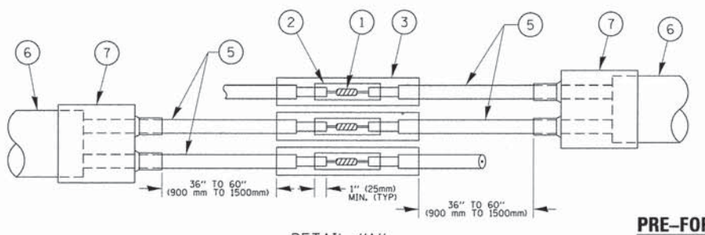


DETAIL "A"
LOOP-TO-LOOP SPLICE



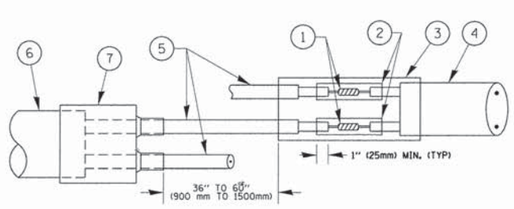
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



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. THE WESTERN UNION SPLICES SHALL BE STAGGERED.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 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

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		DRAWN - BCK	REVISED -
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

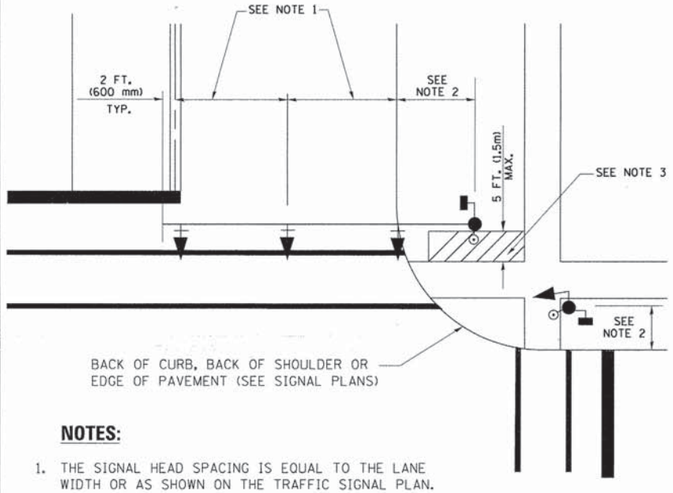
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 2 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	79
	TS-05	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-4003 (512)	

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

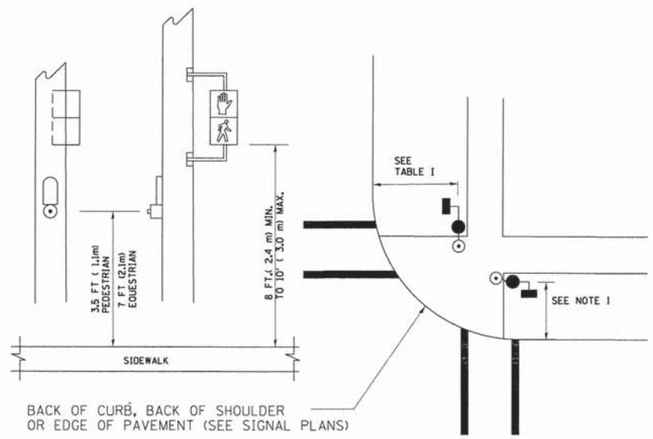
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

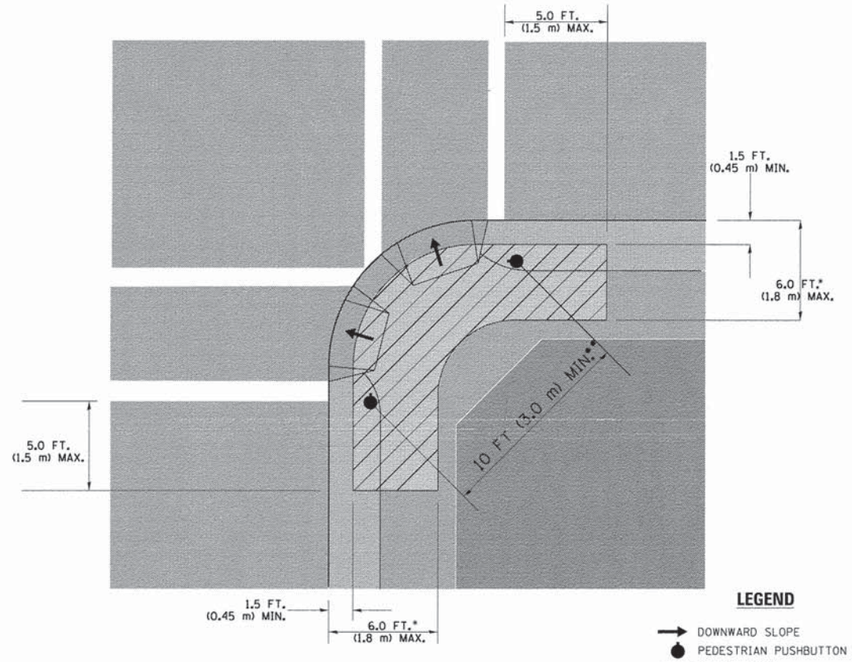
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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



* 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 TOTHE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

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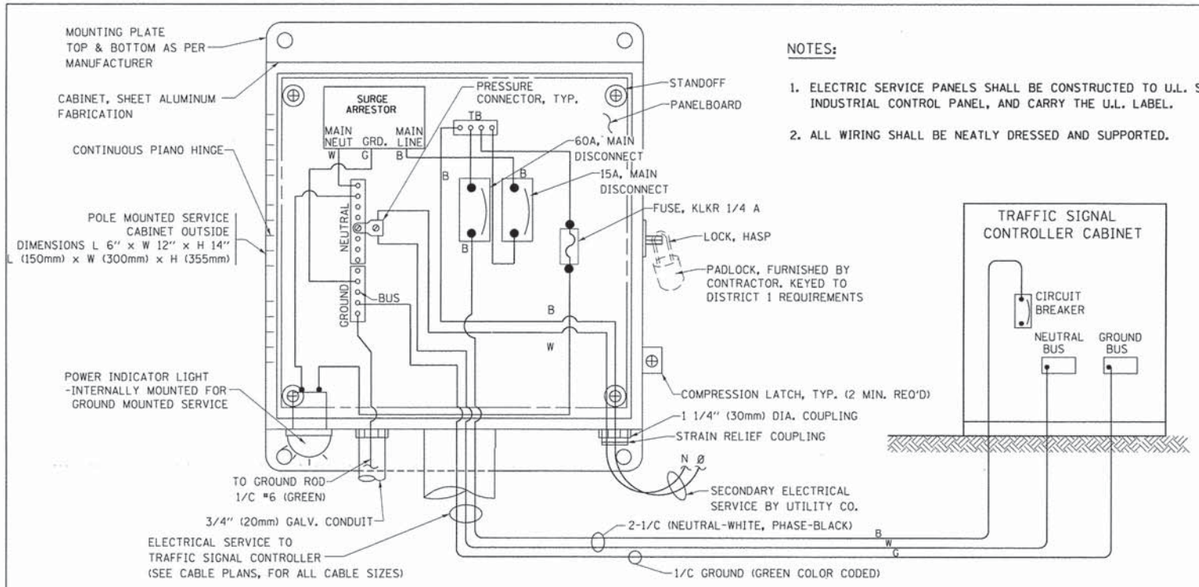
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 3 OF 7 SHEETS | STA. | TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	80
	TS-05	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003 (512)		



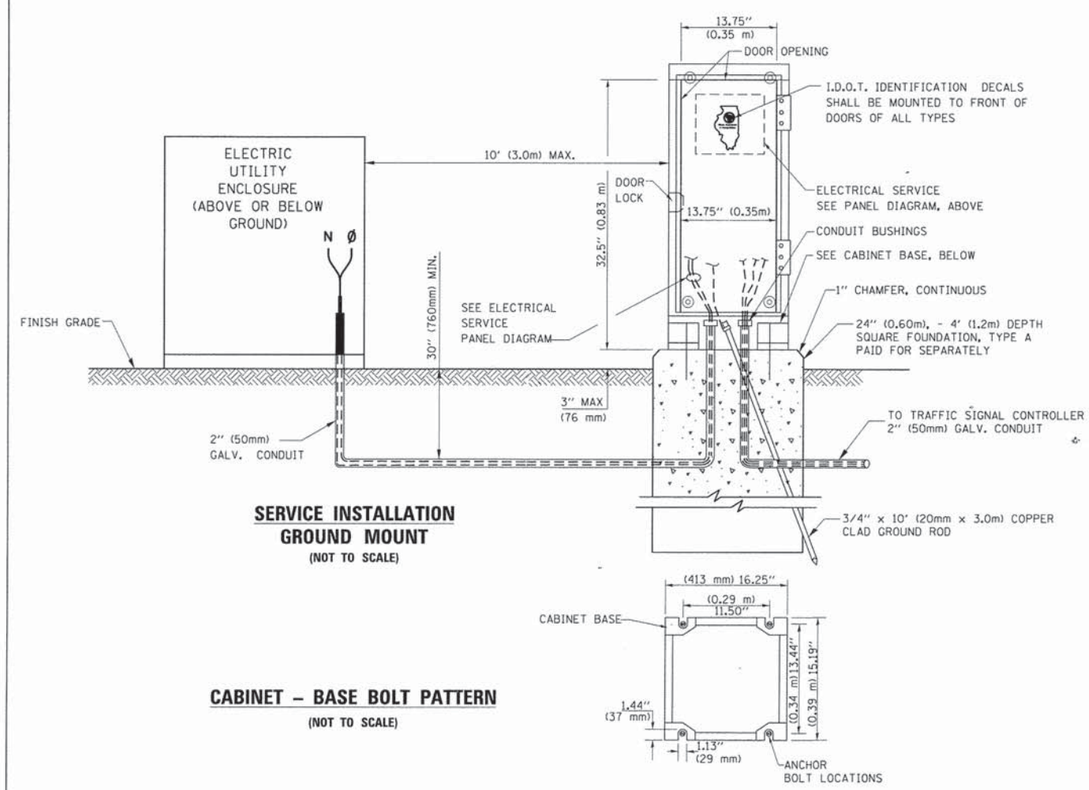
NOTES:

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.

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

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)

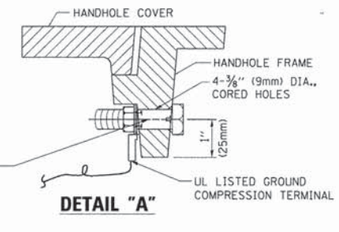


SERVICE INSTALLATION GROUND MOUNT

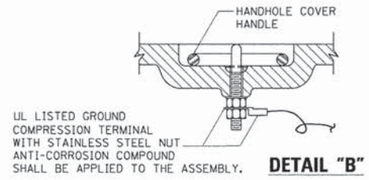
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

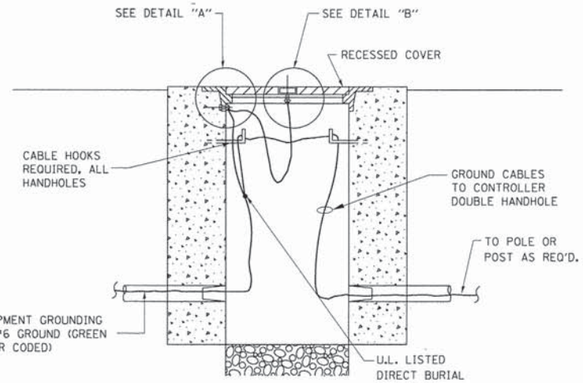
(NOT TO SCALE)



DETAIL "A"

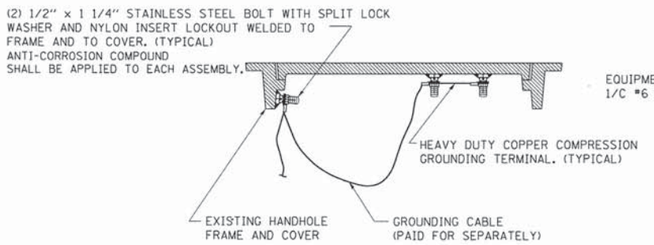


DETAIL "B"



HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

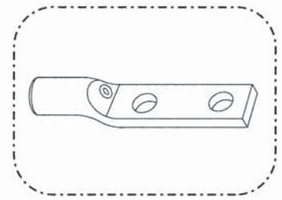


EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

NOTES:
GROUNDING SYSTEM

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

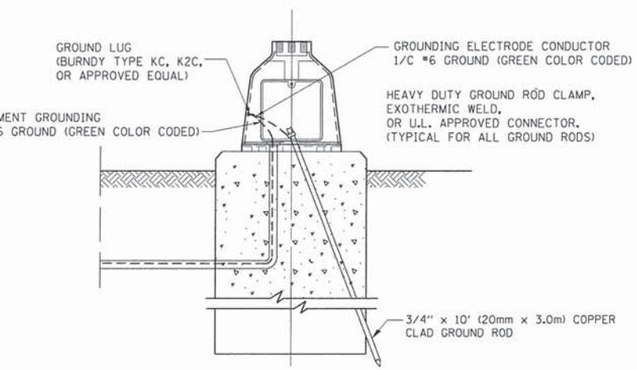


HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)

3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

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)

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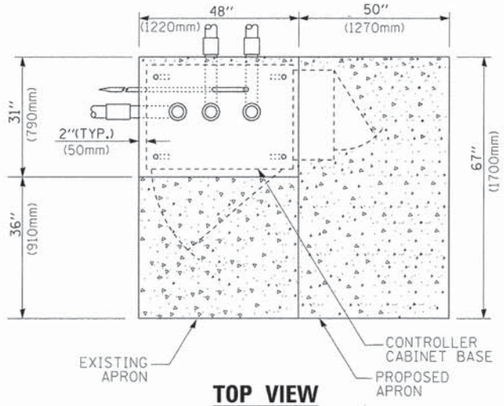
	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

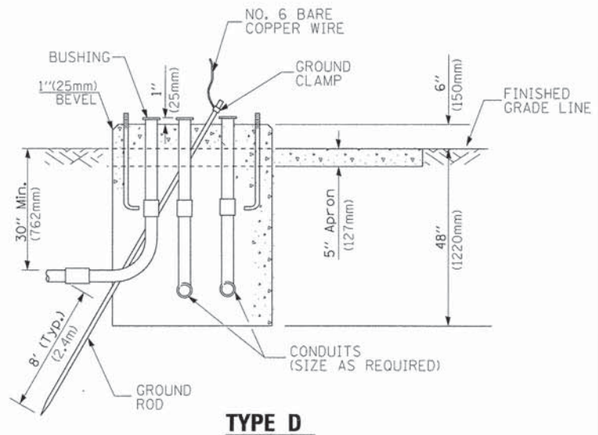
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 4 OF 7 SHEETS | STA. | TO STA.

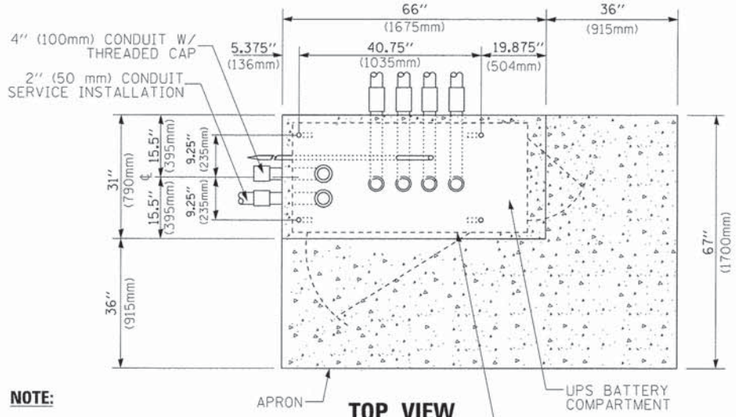
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	81
	TS-05	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003 (512)		



TOP VIEW



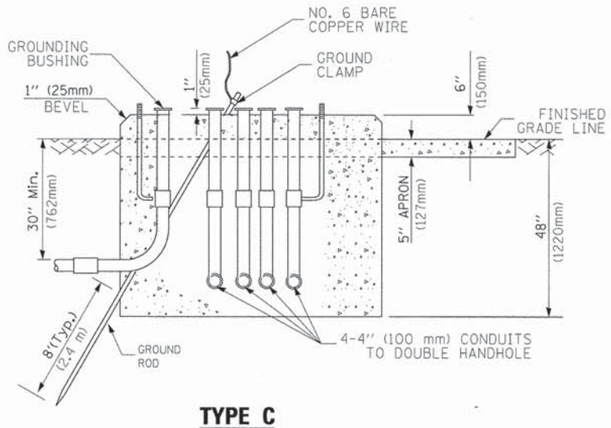
TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



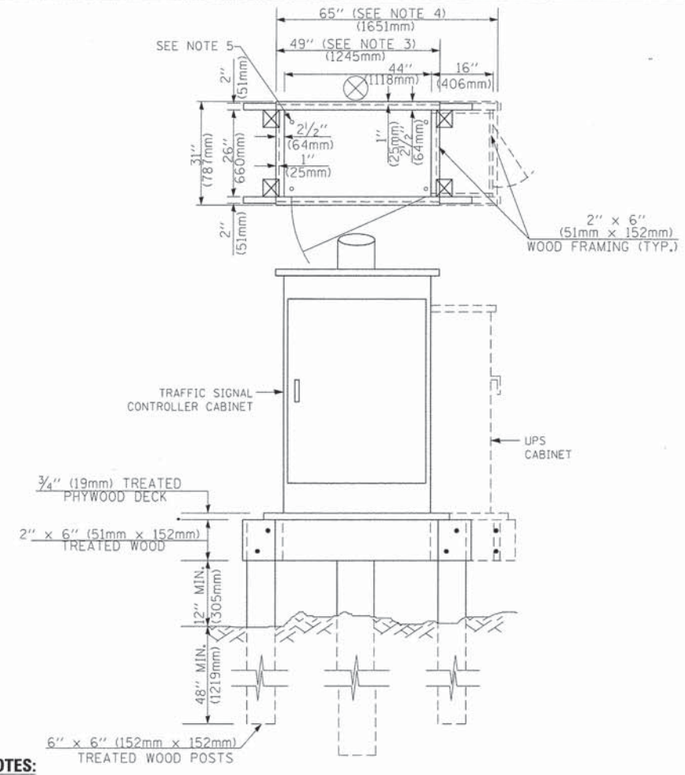
NOTE:

TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE

TOP VIEW



TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS



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)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (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 (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations
4. For mast arm assemblies with dual arms refer to state standard 878001..

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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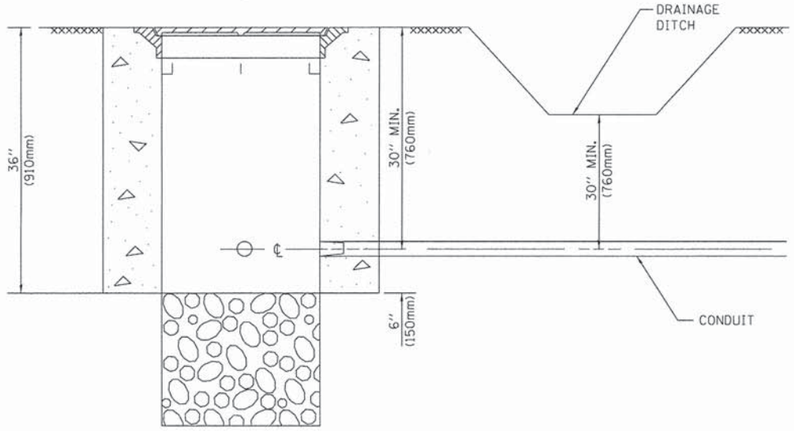
	PLOT DATE = 1/13/2014	CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 5 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	82
	TS-05	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-4003 (512)	

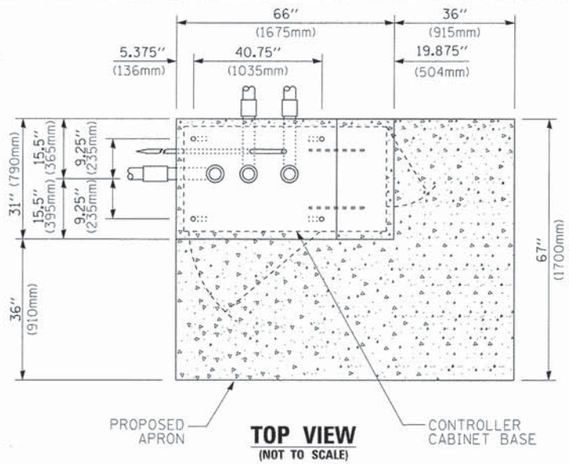


NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

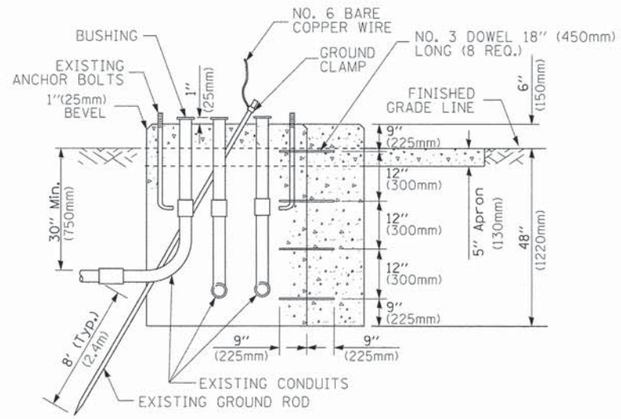
HANDHOLE WITH MINIMUM CONDUIT DEPTH

(NOT TO SCALE)



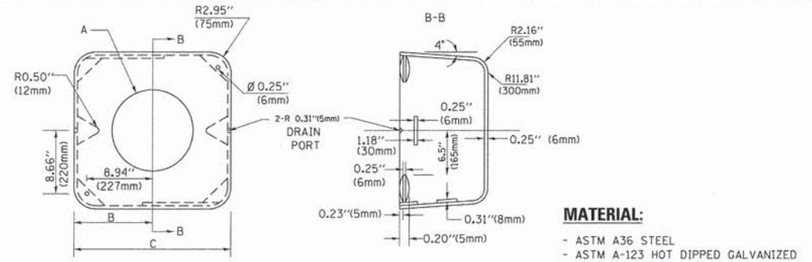
TOP VIEW

(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION

(NOT TO SCALE)



MATERIAL:

- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

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)

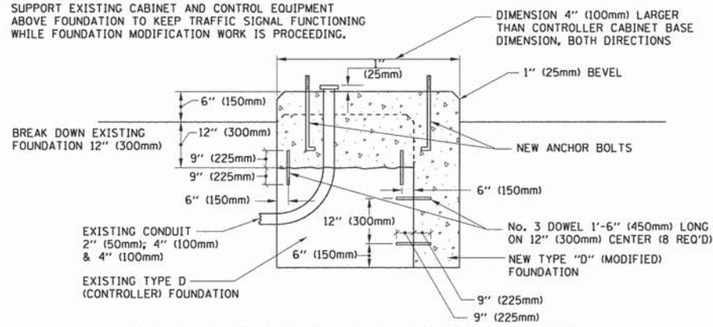
SHROUD

NOTES:

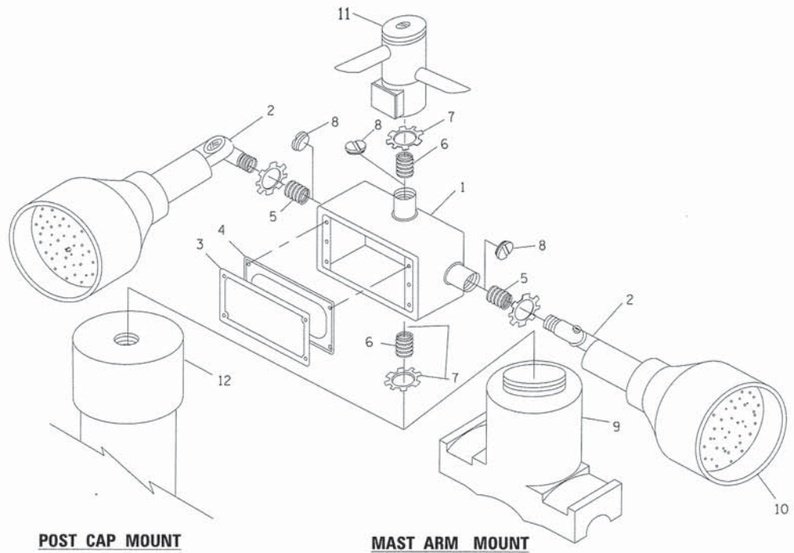
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE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

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



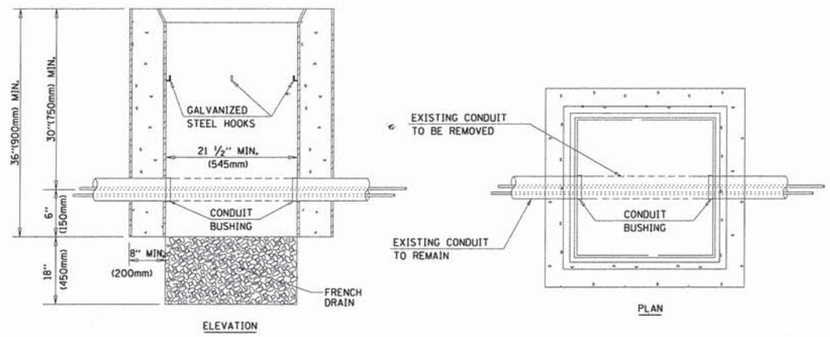
POST CAP MOUNT **MAST ARM MOUNT**

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(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:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. 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
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4 "(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

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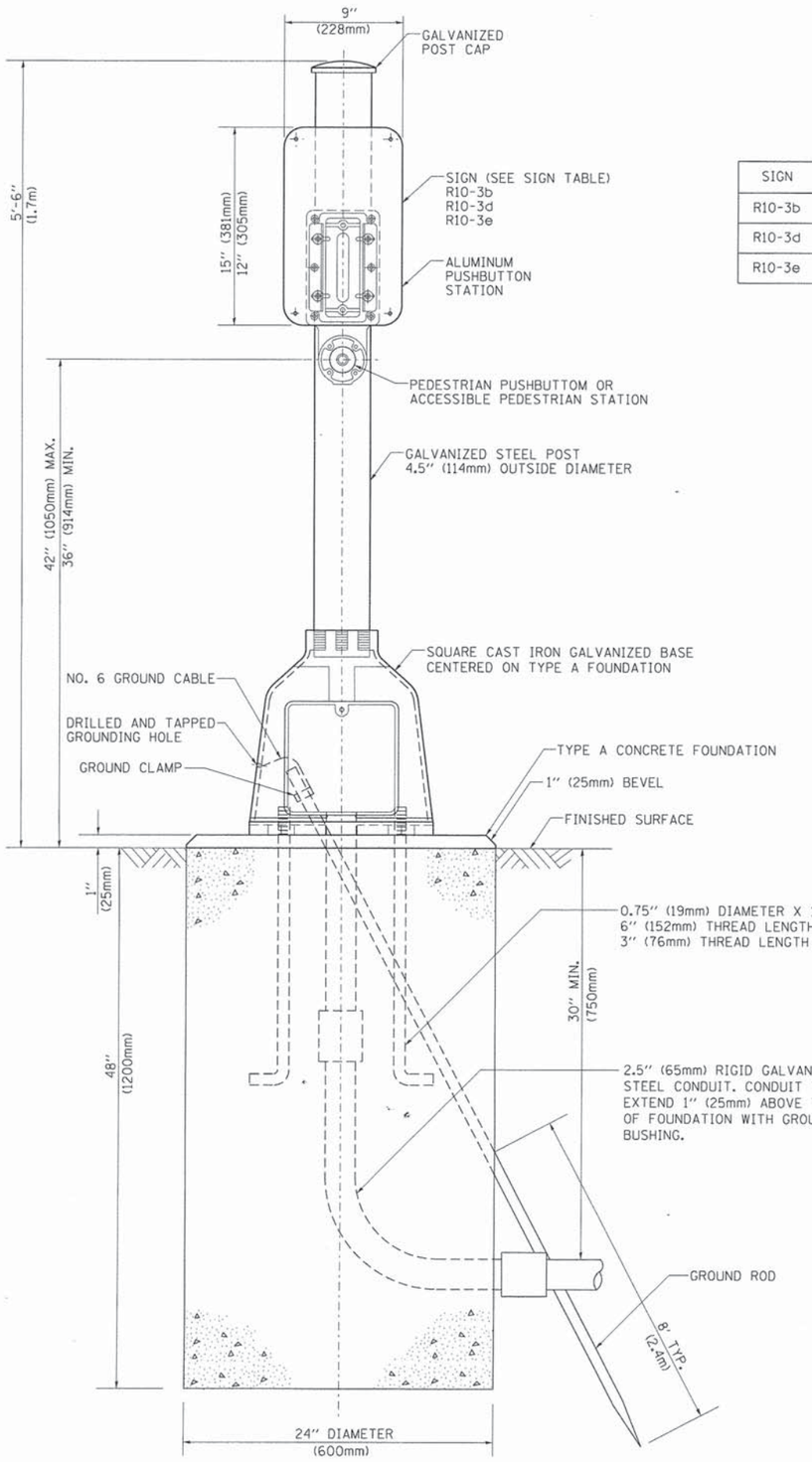
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

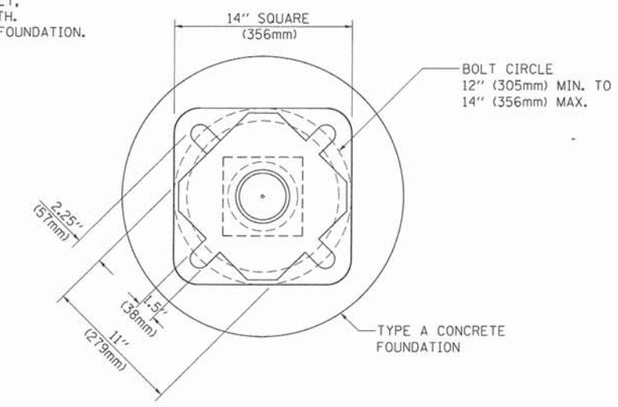
SCALE: NONE | SHEET NO. 6 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	83
	TS-05	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003 (512)		



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

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	PLOT DATE = 1/13/2014	DATE - 10/1/2012	REVISED -

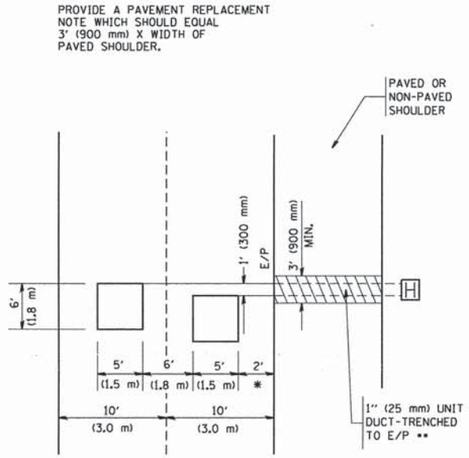
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 7 OF 7 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	84
	TS-05	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003 (512)		

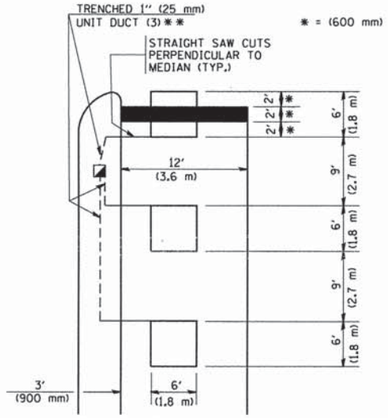
LOOPS NEXT TO SHOULDERS



* = (600 mm)

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

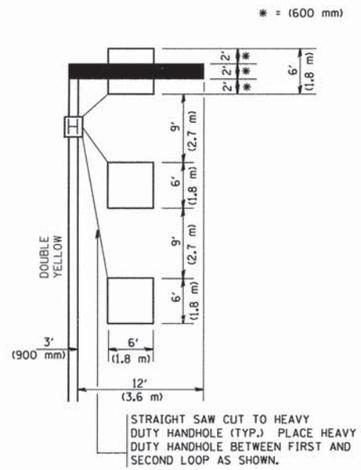
LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



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

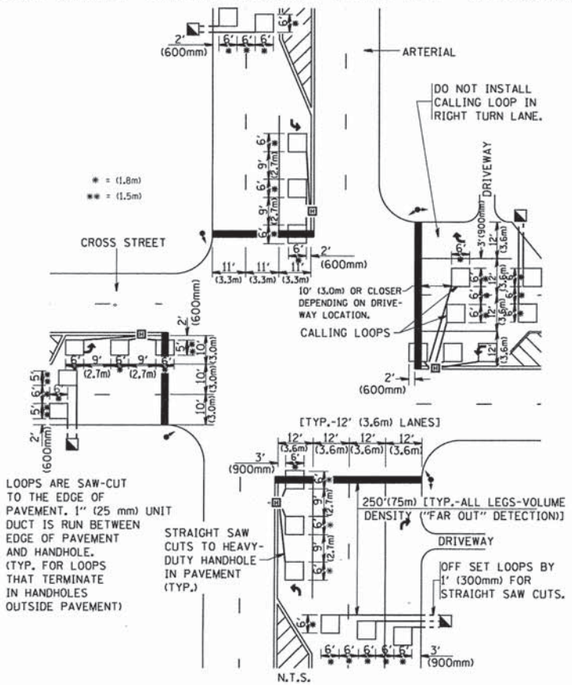
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



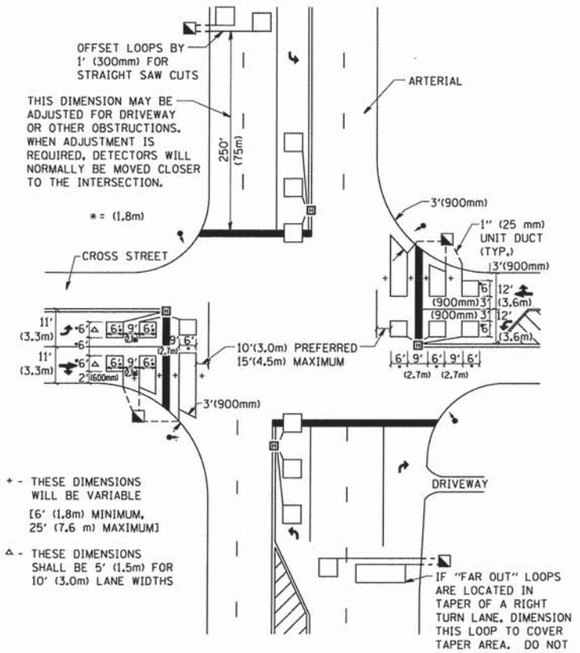
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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 SEPARATLY. 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.

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		DRAWN -	REVISED -
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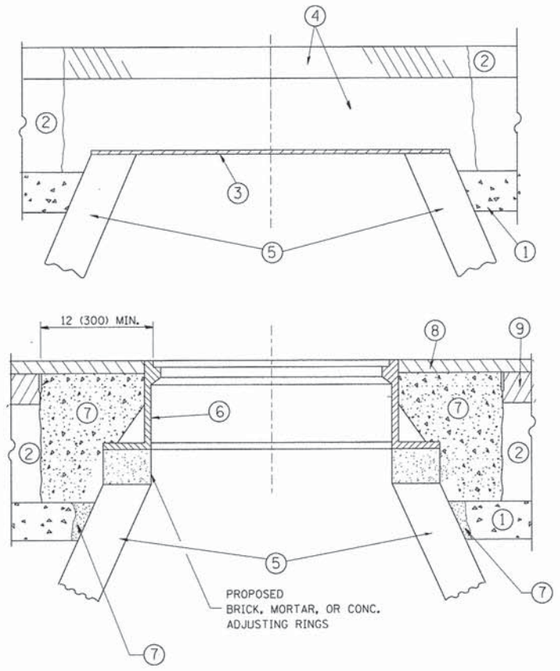
	PLOT DATE = 1/4/2008	DATE -	REVISED -

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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	85
	TS-07	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-4003 (512)	



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 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

1. SUB-BASE GRANULAR MATERIAL
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 PP-1* CONCRETE
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:

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 1968.5000 ' / m	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 12/6/2011	DATE - 10-25-94	REVISED - R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	86
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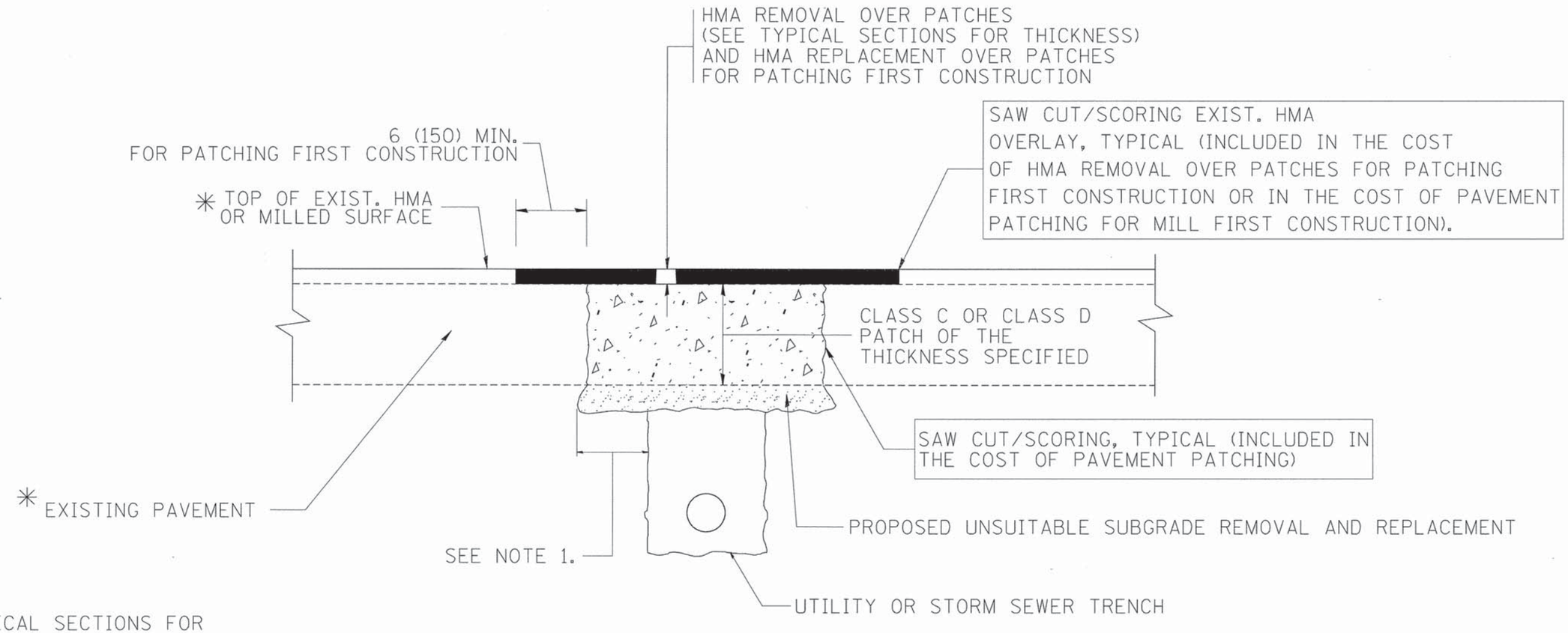
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-4003 (512)	



* 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 4½ 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.

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		DRAWN -	REVISED - R. BORO 01-01-07					1398	15-00263-00-RS	COOK	96	87
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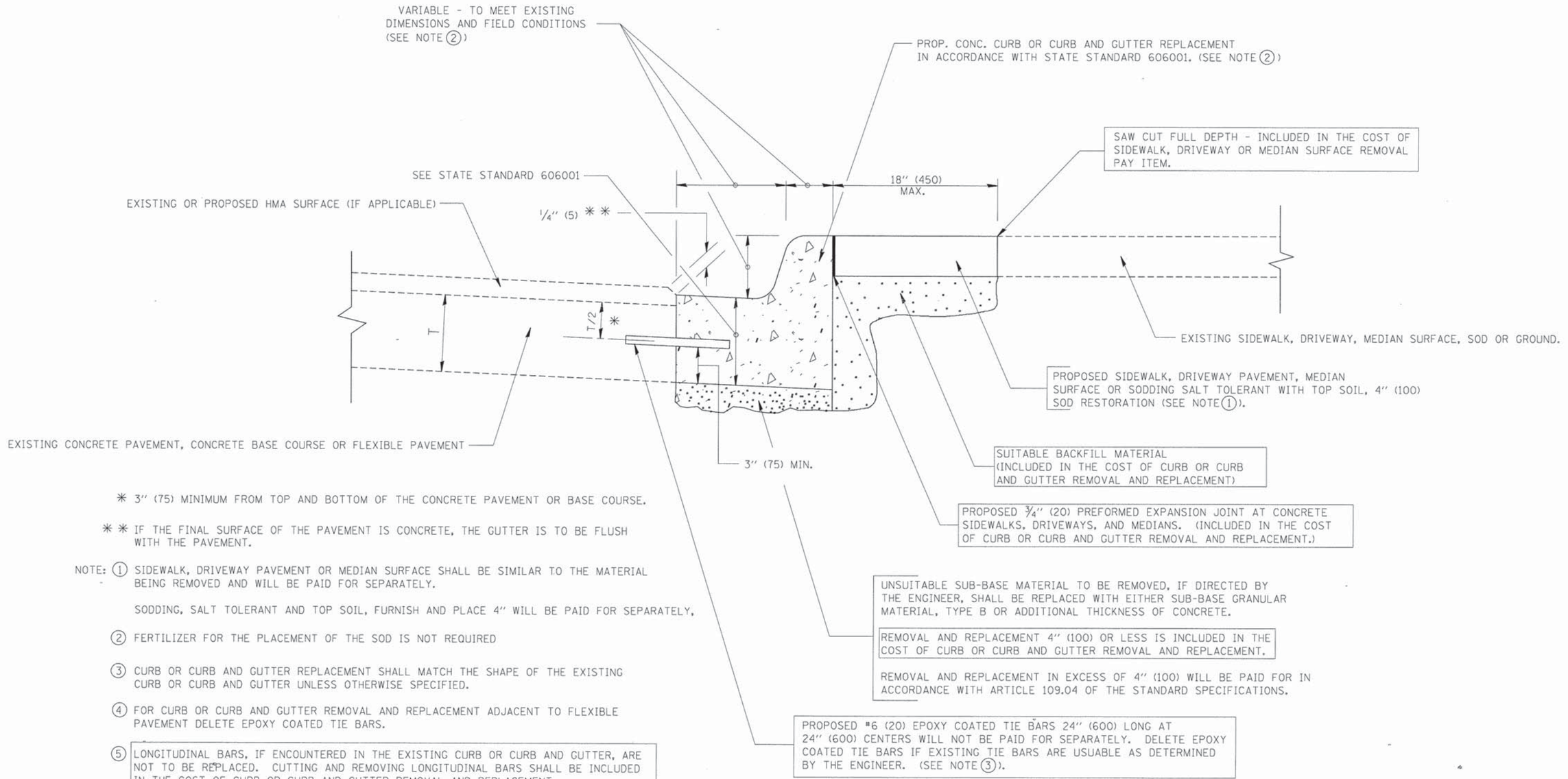

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * 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.

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.

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	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	88
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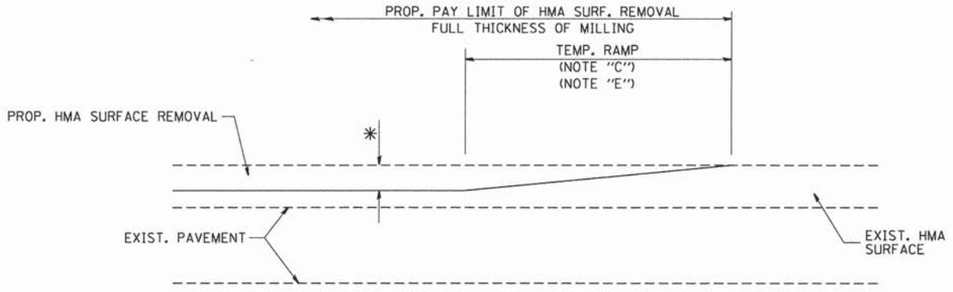
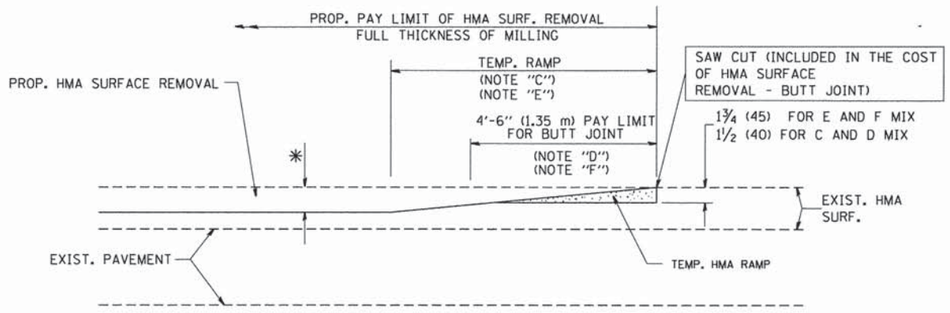
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003 (512)		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

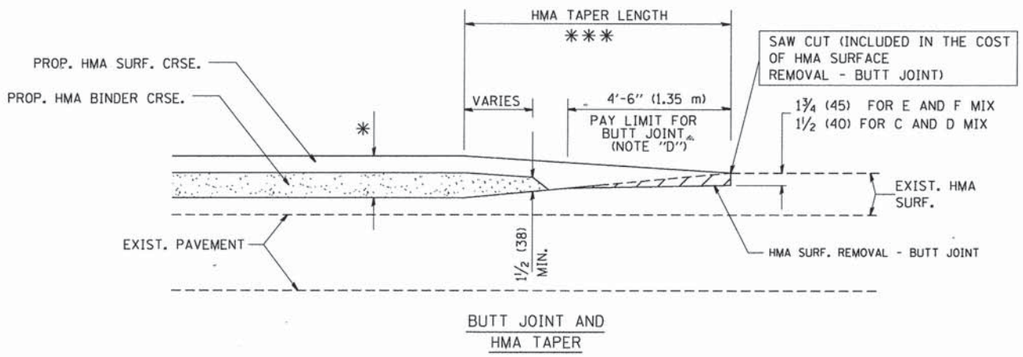


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

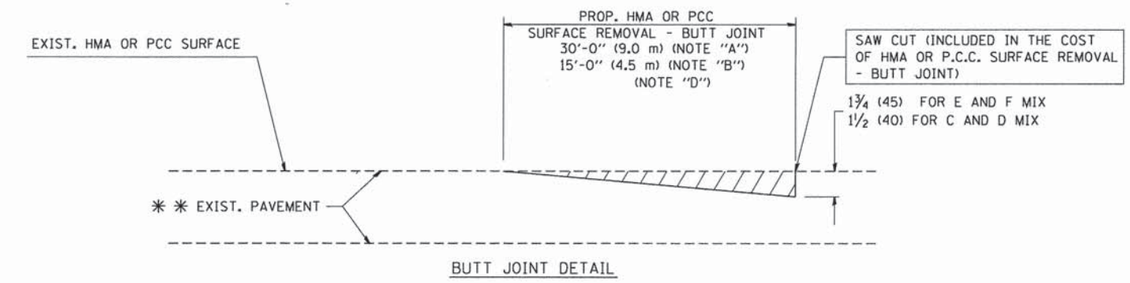
OPTION 2

TYPICAL TEMPORARY RAMP

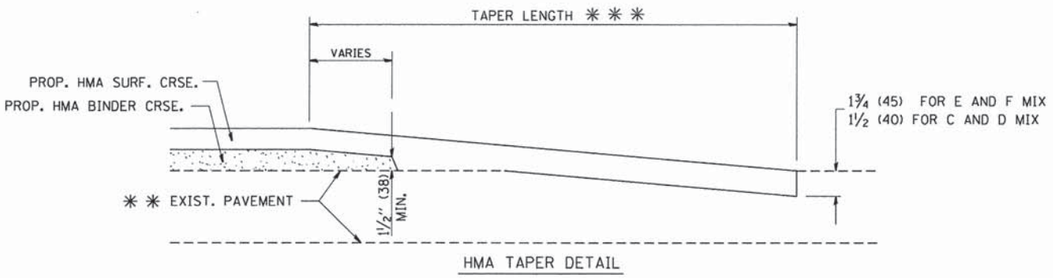


BUTT JOINT AND HMA TAPER

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.

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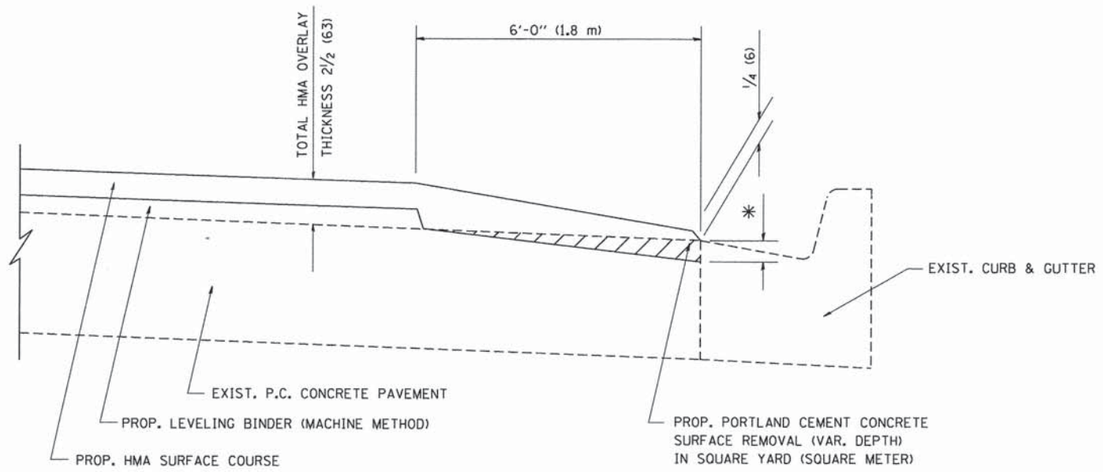
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	89
	BD400-05 BD32	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003 (512)		



HMA TAPER AT EDGE OF P.C.C PAVEMENT

HMA SURFACE		LEVELING BINDER	
MIX	THICKNESS	THICKNESS	* MILLING AT GUTTER FLAG
C OR D	1½ (38)	1 (25)	1¼ (33)
F	1¾ (44)	¾ (19)	1½ (38)

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

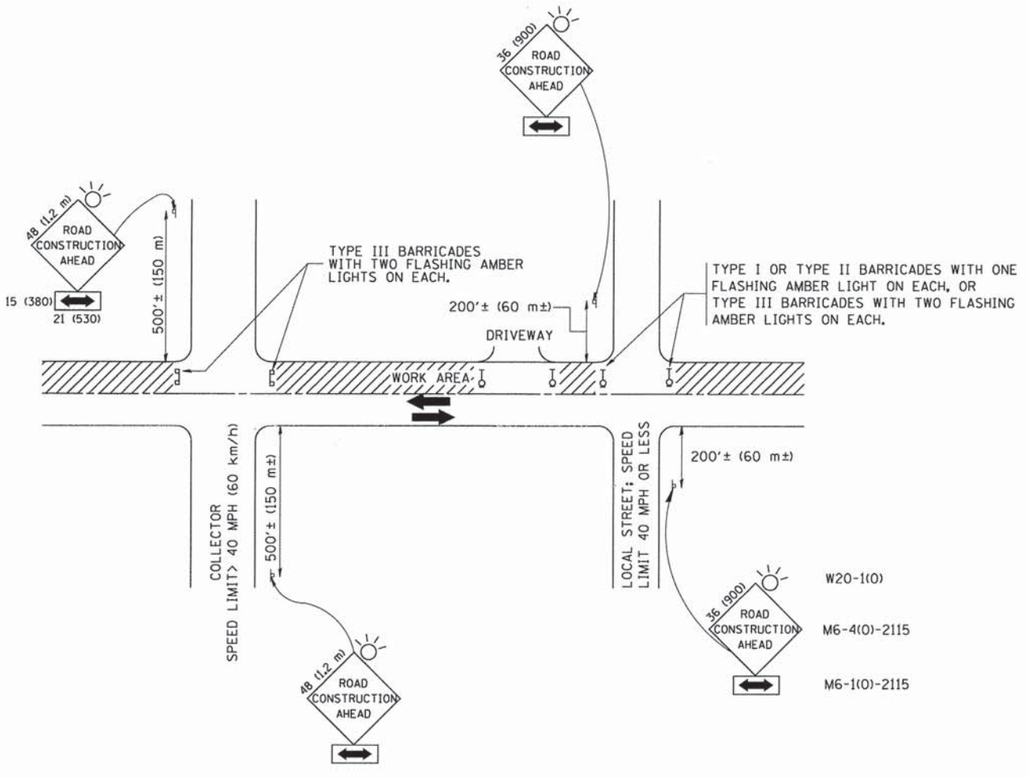
FILE NAME = W:\diststd\22x34\bd33.dgn	USER NAME = gaglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 10-25-94
		DRAWN - JIS	REVISED - A. ABBAS 05-05-99
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - A. ABBAS	REVISED - E. GOMEZ 12-21-00
	PLOT DATE = 1/4/2008	DATE - 09-10-94	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA TAPER AT EDGE OF P.C.C. PAVEMENT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	90
	BD400-06 (BD33)	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003 (512)		



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.

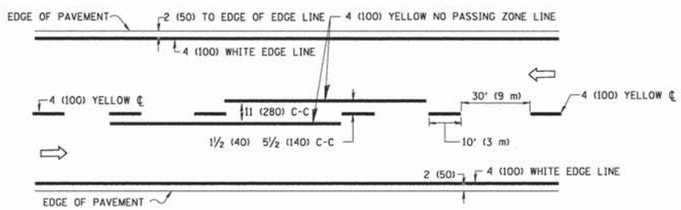
FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

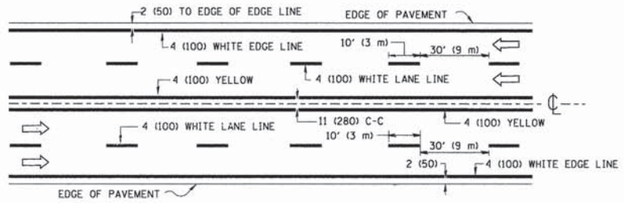
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

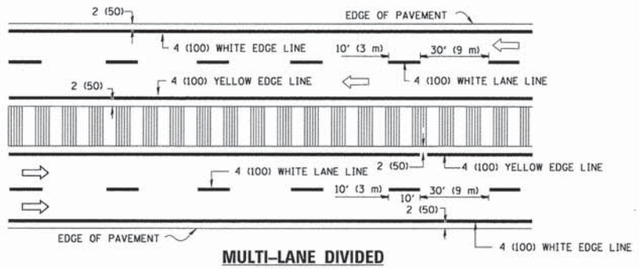
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	91
	TC-10	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-4003 (512)	



2–LANE ROADWAY

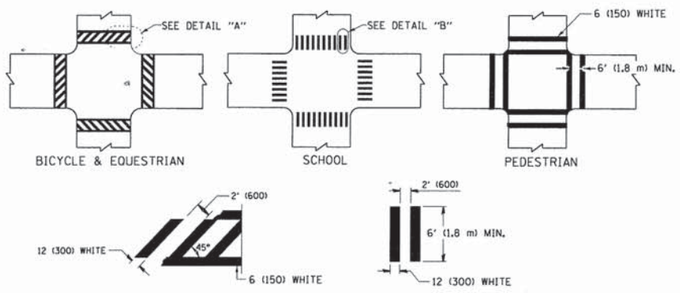


MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

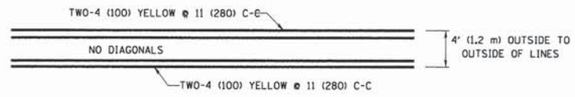
TYPICAL LANE AND EDGE LINE MARKING



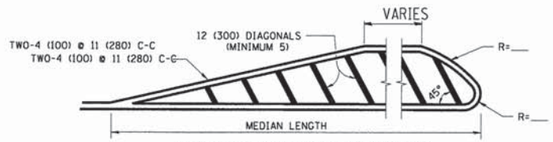
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



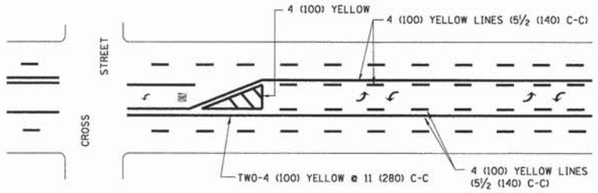
4' (1.2 m) WIDE MEDIANS ONLY



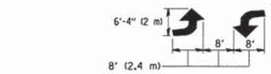
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

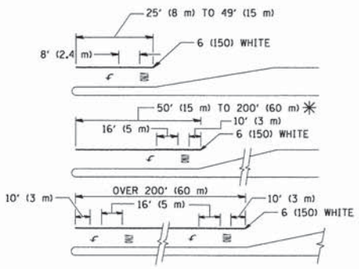


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

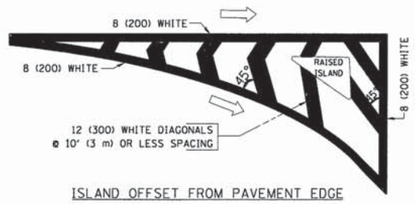


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

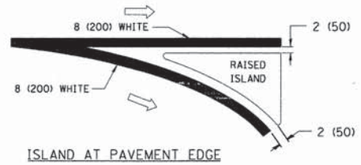
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

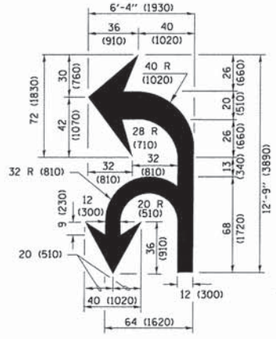


ISLAND OFFSET FROM PAVEMENT EDGE

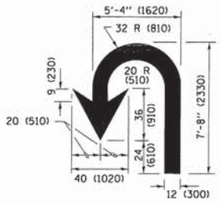


ISLAND AT PAVEMENT EDGE

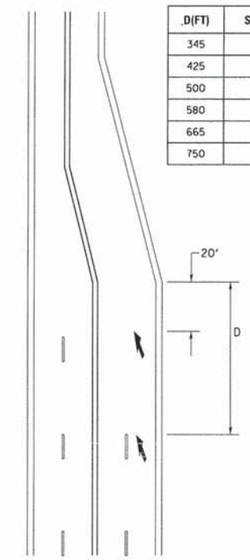
TYPICAL ISLAND MARKING



COMBINATION LEFT AND U–TURN



U–TURN



D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

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	5½ (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 MEDIANS IN YELLOW
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; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⌀ 6 (150) 12 (300) ⌀ 45° 12 (300) ⌀ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⌀ 4 (100) WITH 12 (300) DIAGONALS ⌀ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⌀ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	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))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

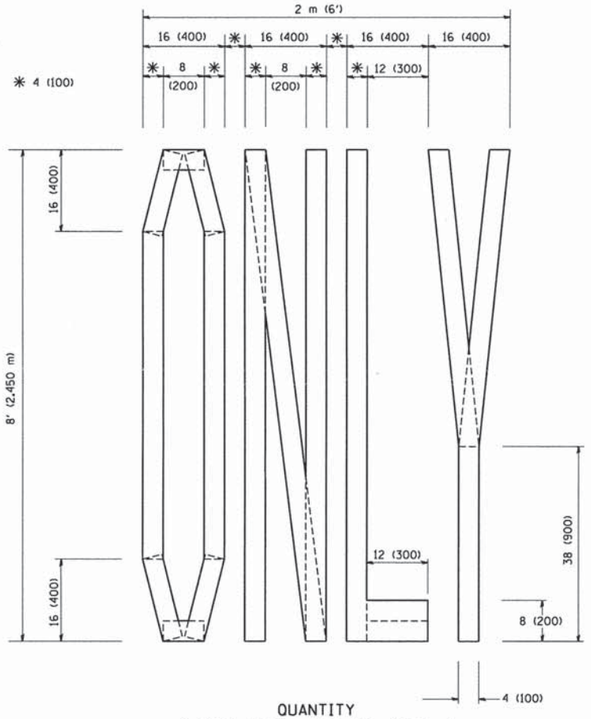
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\Dist\$ORAWN\CADData\CADsheets\tc13.dgn	USER NAME = liszekrf	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
			REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT DATE = 12/21/2015	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

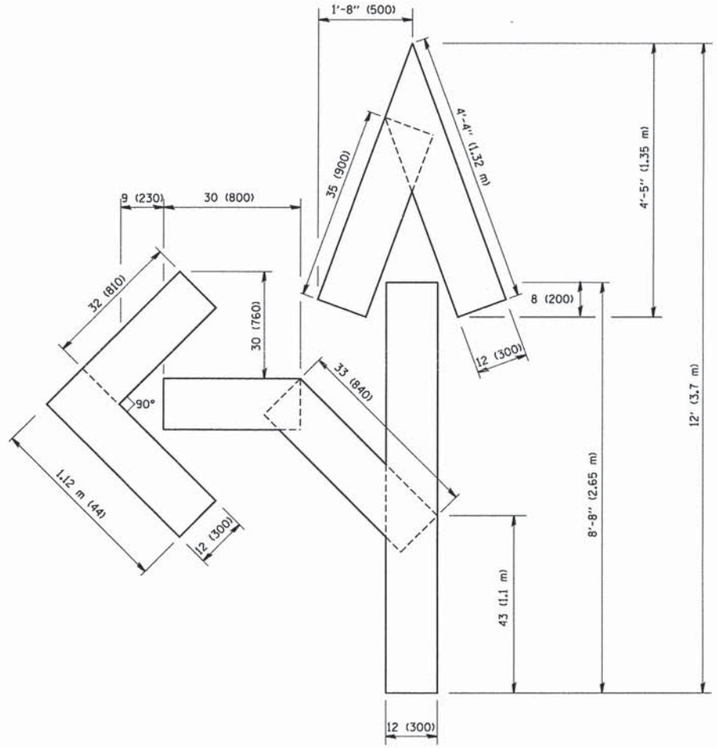
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

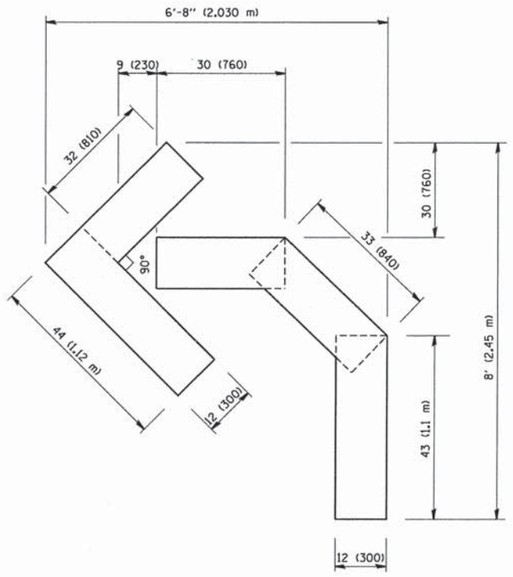
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	92
	TC-13	CONTRACT NO. 61C69		
	ILLINOIS	FED. AID PROJECT M-4003 (512)		



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



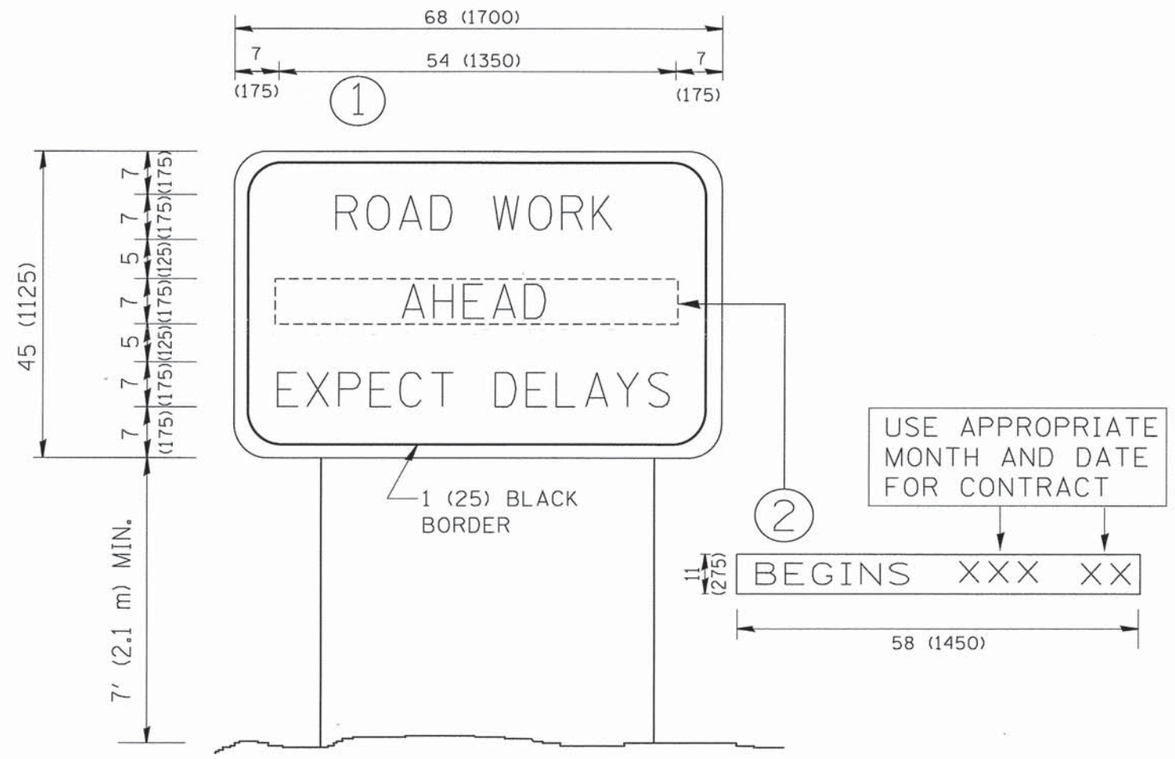
QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



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

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

FILE NAME = W:\diststd\22x34\tc16.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -T. RAMMACHER 11-04-97					1398	15-00263-00-RS	COOK	96	93
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98						TC-16		CONTRACT NO. 61C69	
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-4003 (512)



NOTES:

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

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

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	94
	TC-22	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003 (512)		

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''.

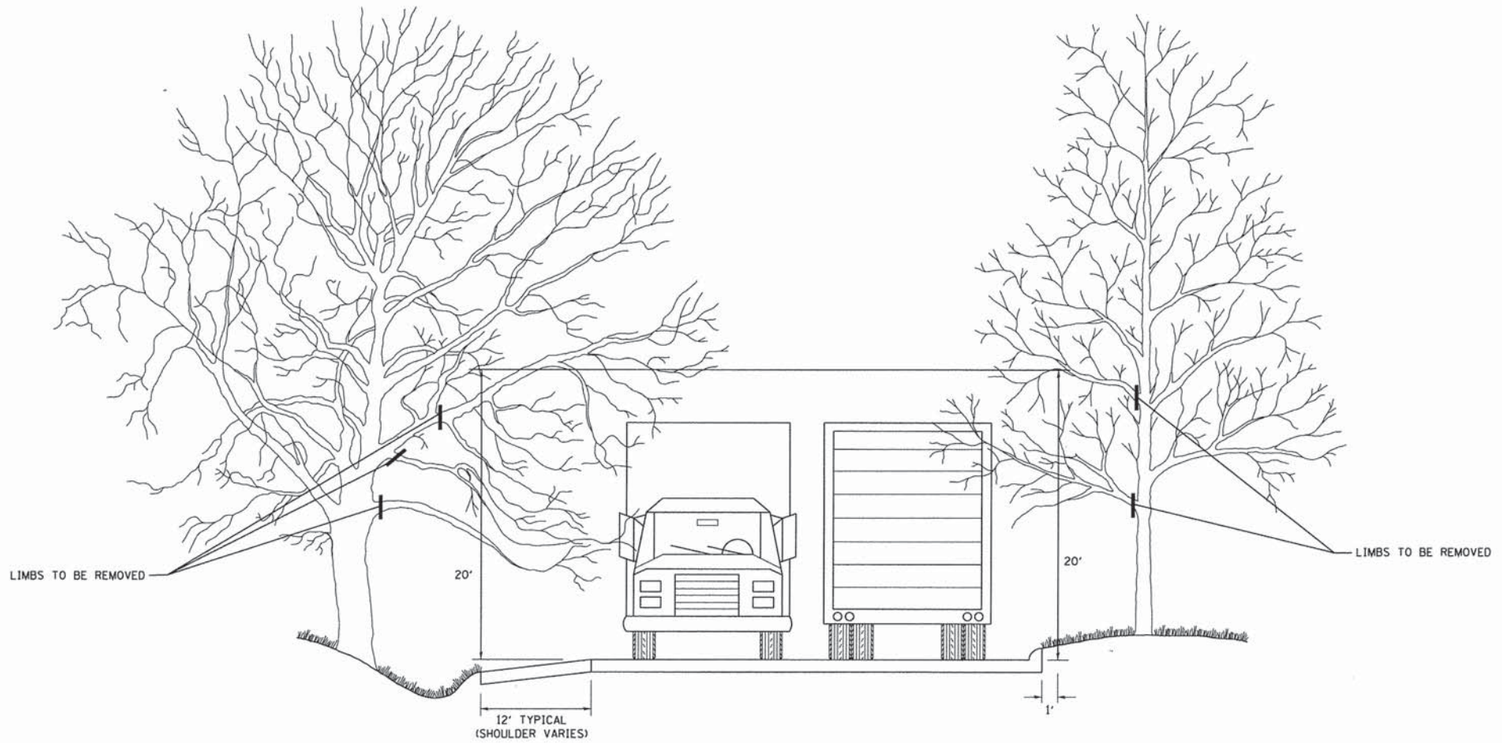
FILE NAME = c:\pw_work\pwidot\gaglianobt\d0108315\tc26.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
		DRAWN -	REVISED -
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	95
	TC-26	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-4003 (512)		



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	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1398	15-00263-00-RS	COOK	96	96
	BM-20	CONTRACT NO. 61C69		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-4003 (512)	