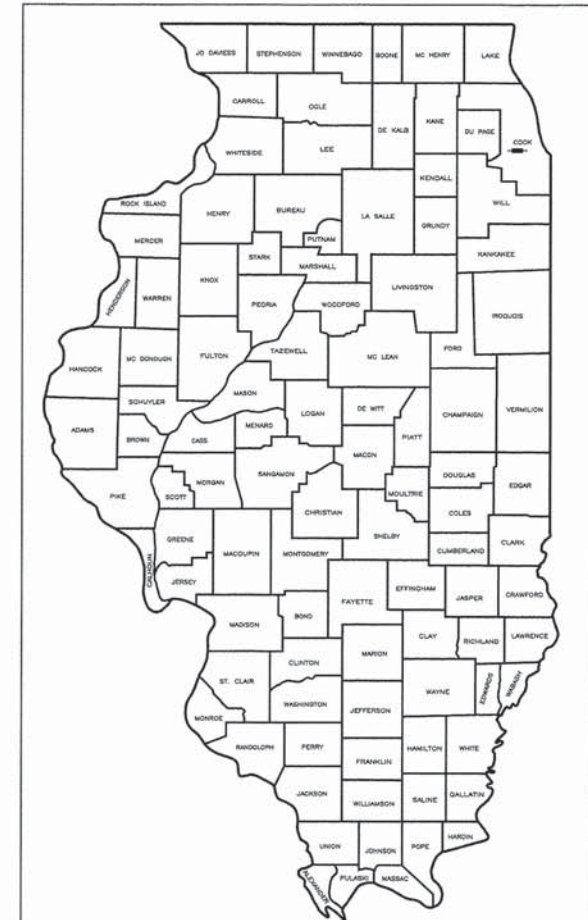


FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	1
F.H.W.A. REG.	ILLINOIS	PROJECT:		
CONTRACT NO. 61B59				

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY

**RIDGELAND AVENUE - CAL-SAG TRAIL TO IL 83 (119TH STREET)
IL 43 (HARLEM AVENUE) - 131ST STREET TO ISHNALA DRIVE
127TH STREET - IL 43 (HARLEM AVENUE) TO 70TH AVENUE
127TH STREET - NATCHEZ AVENUE TO RIDGELAND AVENUE
IL 83 (119TH STREET) - VILLAGE HALL TO IL 43 (HARLEM AVENUE)
76TH AVENUE - BIKE PATH TO IL 83 (119TH STREET)
RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS**

**SECTION NO. 14-00051-00-SW
PROJECT CMM-4003(336)
CITY OF PALOS HEIGHTS
COOK COUNTY
JOB NO. C-91-315-14**



LOCATION OF SECTION INDICATED THIS: - [Symbol]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED JANUARY 14 2015

MAYOR, CITY OF PALOS HEIGHTS

PASSED APRIL 10, 2015

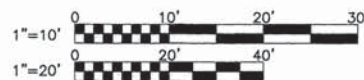
DISTRICT #1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW April 10 2015

DEPUTY DIRECTOR OF HIGHWAYS, REGION #1 ENGINEER

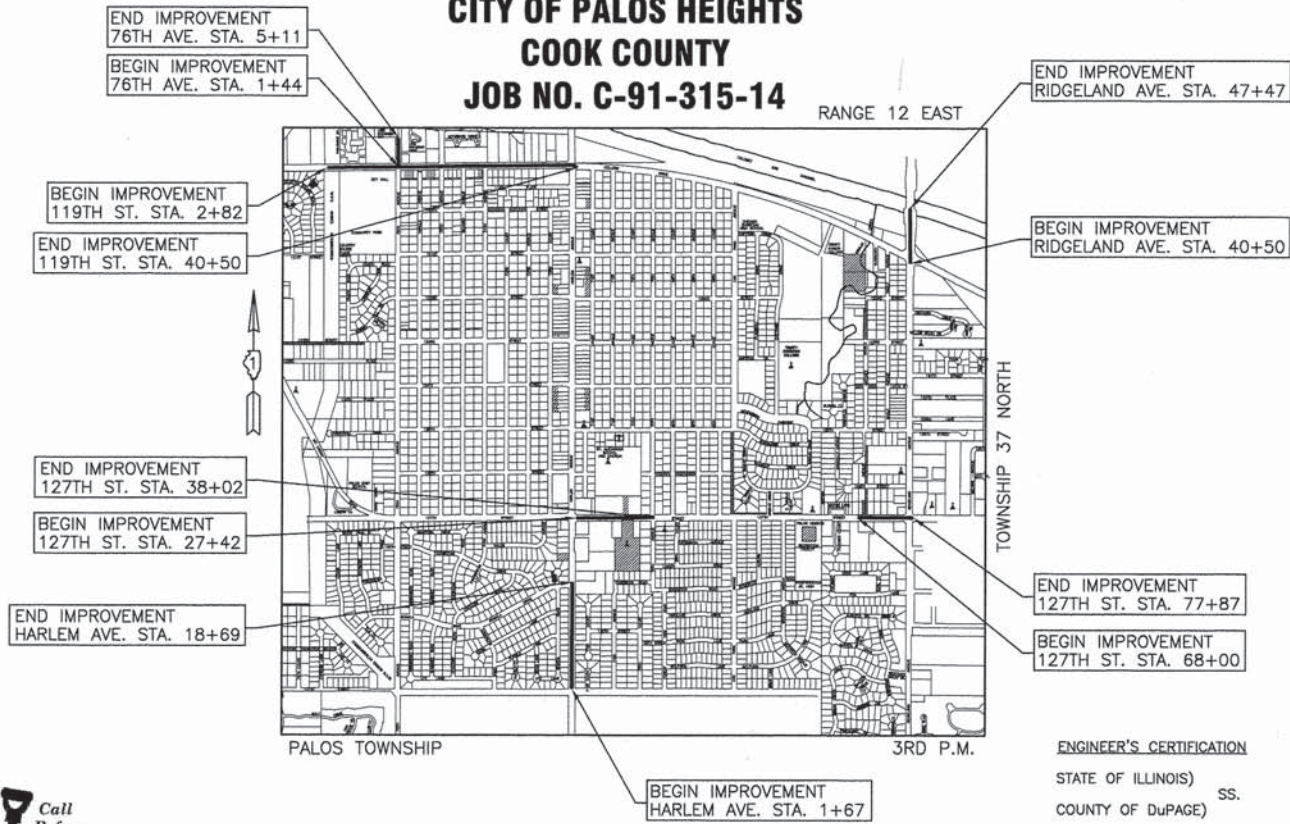
- INDEX OF SHEETS**
- 1.) COVER SHEET, INDEX TO SHEETS, LOCATION MAP, INDEX OF STANDARDS
 - 2.) STANDARDS LIST & GENERAL NOTES
 - 3.-4.) SUMMARY OF QUANTITIES
 - 5.) TYPICAL SECTIONS
 - 6.-7.) PLAN - RIDGELAND AVENUE - 40+50 TO 47+47
 - 8.-9.) PLAN - HARLEM AVENUE - 1+67 TO 18+69
 - 10.-14.) PLAN - 127TH STREET - 27+42 TO 38+02, 68+00 TO 77+87
 - 15.-21.) PLAN - 119TH STREET - 2+82 TO 40+50
 - 22.) PLAN - 76TH AVENUE - 0+00 TO 6+00
 - 23.-34.) TRAFFIC SIGNAL MODIFICATIONS / SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION
 - 35.-38.) DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
 - 39.) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
 - 40.) DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
 - 41.) ARTERIAL ROAD INFORMATION SIGN (TC-22)
 - 42.-44.) DETAILS
 - 45.-46.) CROSS SECTIONS - RIDGELAND AVENUE - 43+00 TO 47+46
 - 47.-50.) CROSS SECTIONS - HARLEM AVENUE - 2+50 TO 17+50
 - 51.-55.) CROSS SECTIONS - 127TH STREET - 27+42 TO 37+96, 68+02 TO 76+00
 - 56.-63.) CROSS SECTIONS - 119TH STREET - 2+00 TO 38+50
 - 64.) CROSS SECTIONS - 76TH AVENUE - 1+50 TO 5+00

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2



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.

SCALES	{	PLAN	1 INCH = 20 FEET
		CROSS-SECTIONS HORIZ.	1 INCH = 10 FEET
		CROSS-SECTIONS VERT.	1 INCH = 5 FEET



LOCATION MAP

— — DENOTES PROJECT LOCATION
NET LENGTH OF PROJECT = 8,581 FEET (1.63 MILE)
GROSS LENGTH OF PROJECT = 8,581 FEET (1.63 MILE)

SCALE: N.T.S.

ENGINEER'S CERTIFICATION
STATE OF ILLINOIS) SS.
COUNTY OF DuPAGE)

I, SIGITAS P. VAZNELIS, A REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THESE PLANS WERE PREPARED BY MORRIS ENGINEERING, INC. 5100 S. LINCOLN AVENUE, SUITE 100, LISLE, ILLINOIS, 60532 UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.

DATED THIS 12th DAY OF March, A.D. 2015

Sigitas P. Vaznelis
REGISTERED PROFESSIONAL ENGINEER NO. 062-044114
MY REGISTRATION EXPIRES ON NOVEMBER 30, 2015



FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, P.E., PTOE, (847)705-4021 SCHAUMBURG, IL
CONSULTANT: MORRIS ENGINEERING, INC. (630) 271-0770

PLOT DATE: Mar-17-2015
FILE NAME: I:\14-PH\00051\14-ENG\REV-0\0014-PH-3009-Sheet 1.dwg

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-08 CURB RAMPS FOR SIDEWALKS
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 602001-02 CATCH BASIN TYPE A
- 604036-03 GRATE TYPE B
- 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER
- 630001-10 STEEL PLATE BEAM GUARDRAIL
- 630106-01 LONG-SPAN GUARDRAIL OVER CULVERT
- 664001-02 CHAIN LINK FENCE
- 701006-05 OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701101-04 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701427-03 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701602-07 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701701-09 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-05 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-04 TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. ALL EARTHWORK, GRADING, UTILITIES, AND STREET IMPROVEMENTS WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, AND ALL REVISIONS THERETO.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFE AND HEALTHFUL WORKING CONDITIONS IN ACCORDANCE WITH SECTION 107 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
3. SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE URBAN COMMITTEE OF THE ASSOCIATION OF ILLINOIS SOIL AND WATER CONSERVATION DISTRICTS' PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL IN ILLINOIS, AND ALL REVISIONS THERETO AND IN ACCORDANCE WITH THE DETAILS ON THE PLANS.
4. THE CONTRACTOR SHALL BE AWARE OF POTENTIAL CONFLICTS WITH EXISTING UTILITIES AS INDICATED ON THE PLANS. THE CONTRACTOR SHALL EXCAVATE AROUND UTILITIES TO DETERMINE ELEVATIONS BEFORE BEGINNING CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING EACH OF THE UTILITY COMPANIES BEFORE ANY WORK COMMENCES. ALL UTILITIES SHALL BE STAKED PRIOR TO CONSTRUCTION.
6. THE OWNER WILL FURNISH THE CONTRACTOR WITH LINES, GRADES AND ELEVATIONS NECESSARY TO THE PROPER PROSECUTION AND CONTROL OF THE WORK ONCE.
7. THE CONTRACTOR SHALL GIVE THE ENGINEER AT LEAST SEVENTY-TWO (72) HOURS NOTICE FOR ANY STAKING TO BE DONE. EACH OF THE VARIOUS ITEMS OF WORK COVERED BY THIS CONTRACT WILL BE STAKED ONCE BY THE RESIDENT ENGINEER (CITY OF PALOS HEIGHTS). ADDITIONAL STAKING REQUIRED DUE TO THE CONTRACTOR'S NEGLIGENCE IN PRESERVING THE STAKES SHALL BE PAID FOR BY THE CONTRACTOR AT THE CURRENT HOURLY RATE.
8. THE CONTRACTOR SHALL INFORM THE ENGINEER AND THE MUNICIPALITY AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

TELEPHONE NUMBERS: IDOT REGION ONE ENGINEER - (847) 705-4110
 CITY ENGINEER - (630) 271-0770
 CITY OF PALOS HEIGHTS - (708) 480-3033

9. THE CONTRACTOR RESPONSIBLE FOR DRAINAGE IMPROVEMENTS (UNDERGROUND STRUCTURES AND CONDUITS) SHALL DISPOSE OF ALL SURPLUS EXCAVATED MATERIAL FROM TRENCHES OR STRUCTURE EXCAVATIONS AND SHALL DEPOSIT SAID SURPLUS MATERIALS ON THE SITE IN ACCORDANCE WITH THE GRADING PLAN OR AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL NOT PLACE ANY EXCAVATED MATERIAL UPON ANY TOPSOIL. THE TOPSOIL SHALL BE REMOVED FROM ALL AREAS TO BE FILLED AND SHALL BE STOCKPILED IN AREAS AS DIRECTED BY THE ENGINEER.
11. THE CONTRACTOR SHALL NOT DISCHARGE INTO STREAMS, PONDS, WETLANDS OR ITS TRIBUTARIES ANY MOTOR OIL, TRANSMISSION FLUID, LUBRICANTS OR ANY OTHER PETROLEUM DISTILLATES. ANY PETROLEUM DISTILLATES DISCHARGED ON THE GROUND SURFACE SHALL BE PROMPTLY AND PROPERLY REMOVED PRIOR TO THE RESUMPTION OF ANY WORK ON THE PROJECT.
12. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING FIELD TILES. ANY FIELD TILES DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE. INVESTIGATION SHALL BE MADE TO INSURE THAT FIELD TILES DO NOT CONVEY OFF SITE WATER. TILES THAT CONVEY OFF SITE WATER SHALL BE REROUTED THROUGH THE SITE. TILES THAT DO NOT CONVEY OFF SITE WATER SHALL BE ABANDONED IN AN APPROPRIATE MANNER APPROVED BY THE MUNICIPALITY. FIELD TILES WITHIN A RIGHT-OF-WAY SHALL BE REMOVED AND BACKFILLED WITH CA-6 COMPACTED IN EIGHT INCH LIFTS TO THE BOTTOM OF THE ROADWAY BASE. EXISTING FIELD TILES SHALL BE REMOVED BY SLIT TRENCHING.

13. THE CONTRACTOR RESPONSIBLE FOR DRAINAGE IMPROVEMENTS SHALL BE RESPONSIBLE TO PLACE ALL FIRE HYDRANTS, FRAMES AND LIDS OR GRATES, AND ALL GRATES FOR MANHOLES, CATCH BASINS, INLETS AND VALVE VAULTS AT THE ELEVATIONS SHOWN AND SPECIFIED ON THE PLANS. NO ADDITIONAL COMPENSATION SHALL BE MADE FOR SAID ADJUSTMENT AND THE COST OF SAID ADJUSTMENT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS DRAINAGE STRUCTURES MENTIONED ABOVE.
14. THE CONTRACTOR SHALL KEEP PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS AND, WHEN NECESSARY, SHALL ON A DAILY BASIS CLEAN THE PAVEMENT OF SUCH DIRT AND DEBRIS RESULTING FROM CONSTRUCTION OPERATIONS.
15. THE CONTRACTOR SHALL PROVIDE PIPE BEDDING IN ACCORDANCE WITH THE DETAIL ON THE PLANS. THE COST OF THE BEDDING SHALL BE INCLUDED IN THE UNIT PRICE PER LINEAL FOOT OF THE VARIOUS SIZES OF STORM SEWER. NO ADDITIONAL COMPENSATION WILL BE MADE FOR PIPE BEDDING.
16. THE CONTRACTOR SHALL PLACE TOPSOIL AT A 6" MINIMUM DEPTH AND SEED OR SOD ALL AREAS DESIGNATED BY THE ENGINEER.
17. THE CONTRACTOR SHALL EXAMINE THE DRAINAGE PATTERNS SHOWN ON THE PLANS AND MAKE CERTAIN THAT ALL OVERFLOW POINT ELEVATIONS AND CROSS SECTIONS ARE CONSTRUCTED STRICTLY IN ACCORDANCE WITH THOSE SHOWN ON THE PLANS.
18. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) PRIOR TO ANY WORK IN THE RIGHT OF WAY OR EASEMENTS TO LOCATE UTILITIES, AND CONTACT THE OWNER'S REPRESENTATIVE SHOULD PUBLIC UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.
19. CURB SHALL BE REMOVED IN A WAY TO PREVENT DAMAGE TO EXISTING PAVEMENT. NO ADDITIONAL COMPENSATION WILL BE PROVIDED FOR REPAIRS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ANY GRASS AREAS TO REMAIN. ANY DAMAGES TO THE EXISTING GRASS AREAS TO REMAIN SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO COST TO IDOT OR THE LOCAL MUNICIPALITY.

EXCAVATION

1. ALL SITE CLEARING, EXCAVATION, GRADING, COMPACTION, SUBGRADE PREPARATION, BASE COURSE, SURFACE COURSE, PCC CURB AND GUTTER AND SIDEWALKS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS, LATEST EDITION.
2. EARTHWORK UNDER THIS CONTRACT SHALL INCLUDE THE FOLLOWING:
 - A. REMOVAL OF EXISTING VEGETATION WITHIN CONSTRUCTION LIMITS FROM THE SITE.
 - B. PROTECTION OF CERTAIN TREES AS SHOWN ON PLANS.
 - C. STRIPPING OF ALL TOPSOIL AND OTHER UNSUITABLE MATERIALS FROM BUILDING AND/OR PAVEMENT AREAS AND REMOVAL FROM SITE OF ALL EXCESS.
 - D. COMPLETE REMOVAL AND DISPOSAL OF THE NATURAL GROUND TO THE PROPOSED SUB-GRADE ELEVATION OF NEW PAVEMENT.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING THE REQUIREMENTS OF ALL APPLICABLE SOIL EROSION AND SEDIMENT CONTROL ORDINANCES. THE COST OF ALL WORK NECESSARY TO MEET THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF THE CONTRACTOR'S CONTRACT FOR PERIMETER EROSION BARRIER.

TRAFFIC CONTROL AND PROTECTION

1. ALL WORK CONDUCTED WITHIN PUBLIC RIGHTS-OF-WAY SHALL BE GOVERNED BY THE FOLLOWING SPECIFICATION FOR TRAFFIC CONTROL. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE APPLICABLE ARTICLES OF SECTION 107 AND 700 OF THE LATEST EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, (HEREINAFTER STANDARD SPECIFICATIONS), THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS" AND SPECIAL DETAILS OF ILLINOIS HIGHWAY STANDARDS.
2. THE FOLLOWING TRAFFIC CONTROL REQUIREMENTS ON NOTES 3 THROUGH 15 ARE OF SPECIAL IMPORTANCE. CONFORMANCE TO THESE REQUIREMENTS, HOWEVER, SHALL NOT RELIEVE THE CONTRACTOR FROM CONFORMING TO ALL OTHER APPLICABLE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
3. SPECIAL ATTENTION IS CALLED TO ARTICLES 107.09 AND 107.14 OF THE STANDARD SPECIFICATIONS AND THE FOLLOWING HIGHWAY STANDARDS, DETAILS AND SUPPLEMENTAL SPECIFICATIONS AND PHOTOCOPIED SPECIAL PROVISIONS CONTAINED HEREIN, RELATING TO:
 - 701602-07 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
 - 701701-09 URBAN LANE CLOSURE, MULTILANE INTERSECTION
 - 701801-05 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
4. AT THE PRECONSTRUCTION MEETING THE CONTRACTOR SHALL FURNISH THE NAME OF THE INDIVIDUAL IN HIS DIRECT EMPLOY WHO IS TO BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE TRAFFIC CONTROL FOR THIS PROJECT. IF THE ACTUAL INSTALLATION AND MAINTENANCE ARE TO BE ACCOMPLISHED BY A SUBCONTRACTOR, CONSENT SHALL BE REQUESTED OF THE ENGINEER AT THE TIME OF THE PRECONSTRUCTION MEETING IN ACCORDANCE WITH ARTICLE 108.01 OF THE STANDARD SPECIFICATIONS. THIS SHALL NOT RELIEVE THE CONTRACTOR OF THE FOREGOING REQUIREMENT FOR A RESPONSIBLE INDIVIDUAL IN HIS DIRECT EMPLOY TO SUPERVISE THIS WORK. THE CONTRACTOR WILL PROVIDE THE NAME OF ITS REPRESENTATIVE WHO WILL BE RESPONSIBLE FOR THE ADMINISTRATION OF THE TRAFFIC CONTROL PLAN.
5. THIS ITEM OF WORK SHALL INCLUDE FURNISHING, INSTALLING, MAINTAINING, RELOCATING AND REMOVING ALL TRAFFIC CONTROL DEVICES USED FOR THE PURPOSE OF REGULATING, WARNING OR DIRECTING TRAFFIC DURING THE CONSTRUCTION OR MAINTENANCE OF THIS IMPROVEMENT.
6. THE GOVERNING FACTOR IN THE EXECUTION AND STAGING OF WORK FOR THIS PROJECT IS TO PROVIDE THE MOTORIZED PUBLIC WITH THE SAFEST POSSIBLE TRAVEL CONDITIONS ALONG THE ROADWAY THROUGH THIS CONSTRUCTION ZONE. THE CONTRACTOR SHALL SO ARRANGE HIS OPERATION AS TO KEEP THE CLOSING OF ANY LANE OF THE ROADWAY TO A MINIMUM.

7. ALL TRAFFIC CONTROL DEVICES USED ON THIS PROJECT SHALL CONFORM TO THE PLANS, SPECIAL PROVISIONS, TRAFFIC CONTROL STANDARDS, AND THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. NO MODIFICATION OF THESE REQUIREMENTS WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ENGINEER.
8. TRAFFIC CONTROL DEVICES INCLUDE: SIGNS AND THEIR SUPPORTS, SIGNALS, PAVEMENT MARKINGS, BARRICADES WITH SAND BAGS, CHANNELIZING DEVICES, WARNING LIGHTS, ARROWBOARDS, FLAGGERS, OR ANY OTHER DEVICE USED FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC THROUGH THE CONSTRUCTION ZONE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION, INSTALLATION, AND ARRANGEMENT OF ALL TRAFFIC CONTROL DEVICES. SPECIAL ATTENTION SHALL BE GIVEN TO ADVANCE WARNING SIGNS DURING CONSTRUCTION OPERATIONS IN ORDER TO KEEP LANE ASSIGNMENT CONSISTENT WITH BARRICADE PLACEMENT AT ALL TIMES. THE CONTRACTOR SHALL COVER ALL TRAFFIC CONTROL DEVICES WHICH ARE INCONSISTENT WITH DETOUR OR LANE ASSIGNMENT PATTERNS DURING THE TRANSITION FROM ONE CONSTRUCTION STAGE TO ANOTHER.
10. CONSTRUCTION SIGNS REFERRING TO DAYTIME LANE CLOSURES DURING WORKING HOURS SHALL BE REMOVED OR COVERED DURING NON-WORKING HOURS.
11. THE CONTRACTOR SHALL ENSURE THAT ALL TRAFFIC CONTROL DEVICES INSTALLED BY HIM ARE OPERATIONAL 24 HOURS A DAY, INCLUDING SUNDAYS AND HOLIDAYS.
12. THE CONTRACTOR SHALL PROVIDE A MANNED TELEPHONE ON A CONTINUOUS 24-HOUR-A-DAY BASIS TO RECEIVE NOTIFICATION OF ANY DEFICIENCIES REGARDING TRAFFIC CONTROL AND PROTECTION AND SHALL DISPATCH MEN, MATERIALS AND EQUIPMENT TO CORRECT ANY SUCH DEFICIENCIES. THE CONTRACTOR SHALL RESPOND TO ANY CALL FROM THE ENGINEER OR MUNICIPALITY CONCERNING ANY REQUEST FOR IMPROVING OR CORRECTING TRAFFIC CONTROL DEVICES AND BEGIN MAKING THE REQUESTED REPAIRS WITHIN TWO HOURS FROM THE TIME OF NOTIFICATIONS.
13. WHEN TRAVELING IN LANES OPEN TO PUBLIC TRAFFIC, THE CONTRACTOR'S VEHICLES SHALL ALWAYS MOVE WITH AND NOT AGAINST OR ACROSS THE FLOW OF TRAFFIC. THESE VEHICLES SHALL ENTER OR LEAVE WORK AREAS IN A MANNER WHICH WILL NOT BE HAZARDOUS TO, OR WILL NOT INTERFERE WITH, TRAFFIC AND SHALL NOT PARK OR STOP EXCEPT WITHIN DESIGNATED WORK AREAS. PERSONAL VEHICLES SHALL NOT PARK WITHIN THE RIGHT-OF-WAY EXCEPT IN SPECIFIC AREAS DESIGNATED BY THE ENGINEER.
14. DELAYS TO THE CONTRACTOR CAUSED BY COMPLYING WITH THESE REQUIREMENTS WILL BE INCLUDED IN THE COST OF THE ITEM FOR TRAFFIC CONTROL AND PROTECTION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
15. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705 - 4470 AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK.

SOIL EROSION AND SEDIMENTATION CONTROL NOTES

1. THE FOLLOWING PRINCIPLES SHALL APPLY TO ALL MOVEMENT OF EARTH AND STORM DRAINAGE. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON SITE.
2. THE SMALLEST PRACTICAL AREA OF LAND IS TO BE EXPOSED AT ANY GIVEN TIME DURING CONSTRUCTION. EXPOSURE SHALL BE KEPT TO AS SHORT A DURATION OF TIME AS IS PRACTICAL.
3. STABILIZE AND PROTECT DISTURBED AREAS. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES. MECHANICAL, STRUCTURAL, AND/OR VEGETATIVE CONTROL METHODS SHALL BE USED IN ORDER TO RETARD SOIL EROSION IF DIRECTED BY THE OWNER OR HIS AUTHORIZED REPRESENTATIVE.
4. KEEP RUN-OFF VELOCITIES LOW WITH SHORT SLOPES AND LOW GRADIENTS. THE INSTALLATION OF NATURAL VEGETATIVE COVER HELPS TO KEEP STORM WATER VELOCITIES LOW, AND THUS LIMIT SOIL EROSION EFFECTS.
5. PROTECT DISTURBED AREAS FROM STORM WATER RUN-OFF. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE. PROTECTIVE MEASURES SHALL BE UTILIZED TO DIVERT RUN-OFF FROM DISTURBED AREAS.
6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
7. NATURAL PLANT COVER SHALL BE MAINTAINED AND PROTECTED AND ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION.
8. PROTECTION OF EXISTING FACILITIES AND UTILITIES - THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL NECESSARY FACILITIES FOR THE PROTECTION OF ALL EXISTING UTILITIES ON OR ADJACENT TO THE PROJECT. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED, OR OTHERWISE TREATED TO REMOVE SEDIMENT. FURTHERMORE, ANY DAMAGE DONE BY HIM, HIS AGENTS, OR ASSIGNS SHALL BE REPAIRED AT NO ADDITIONAL COMPENSATION.
9. DIRT ON PAVEMENT - WHERE A CONTRACTOR'S EQUIPMENT IS OPERATED UPON AN EXISTING PAVEMENT USED BY TRAFFIC THE CONTRACTOR SHALL CLEAN THE PAVEMENT OF ALL DIRT AND DEBRIS AT THE END OF EACH DAY'S OPERATIONS AND AT OTHER TIMES AS DIRECTED BY THE OWNER, THE ENGINEER, OR THE GOVERNING MUNICIPALITY. THE CLEANING WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACTOR'S CONTRACT FOR EARTH EXCAVATION.
10. DUST CONTROL - THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CONTROL OF EXCESSIVE DUST DURING THE CONSTRUCTION PERIOD UNTIL PROPOSED IMPROVEMENTS COMPLETED. THE REQUIREMENT FOR DUST CONTROL SHALL BE AS DIRECTED BY THE LOCAL APPROVING AUTHORITIES OR THE ENGINEER, AND SUCH DUST CONTROL (IF REQUIRED) SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
11. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR CITY OF PALOS HEIGHTS.
12. THE CONTRACTOR SHALL MAKE AN EFFORT TO MINIMIZE USE OF HEAVY EQUIPMENT WITHIN THE DESIGNATED DRAINAGE FACILITIES.

PLOT DATE = Apr 17, 2015
 FILENAME: H:\14-170\302979\ANS-ENG\SEV-0-2014-P41-3009-Sheet 2.dwg

USER NAME =	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE =	CHECKED - AS	REVISED -
PLOT DATE = Apr 17, 2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
STANDARDS LIST & GENERAL NOTES**

SCALE: N/A SHEET NO. 2 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	2
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				SIDEWALK CONSTRUCTION CODE 0021	SIGNALS CONSTRUCTION CODE 0021
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	SUBTOTAL	SUBTOTAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	65.00	65.00	0.00
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18.00	18.00	0.00
20101100	TREE TRUNK PROTECTION	EACH	57.00	57.00	0.00
* 20101200	TREE ROOT PRUNING	EACH	25.00	25.00	0.00
20200100	EARTH EXCAVATION	CU YD	1166.00	1166.00	0.00
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	5005.00	5005.00	0.00
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	66.00	66.00	0.00
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	51.00	51.00	0.00
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	66.00	66.00	0.00
* 25200110	SODDING, SALT TOLERANT	SQ YD	5005.00	5005.00	0.00
28000400	PERIMETER EROSION BARRIER	FOOT	6888.00	6888.00	0.00
28000500	INLET AND PIPE PROTECTION	EACH	13.00	13.00	0.00
28100107	STONE RIPRAP, CLASS A4	SQ YD	4.00	4.00	0.00
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	4656.00	4656.00	0.00
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	62.00	62.00	0.00
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	41876.00	41876.00	0.00
42400800	DETECTABLE WARNINGS	SQ FT	656.00	656.00	0.00
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	62.00	62.00	0.00
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	759.00	759.00	0.00
44000600	SIDEWALK REMOVAL	SQ FT	486.00	486.00	0.00
44003100	MEDIAN REMOVAL	SQ FT	69.00	69.00	0.00
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	4.00	4.00	0.00
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	266.00	266.00	0.00
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1.00	1.00	0.00
60255500	MANHOLES TO BE ADJUSTED	EACH	4.00	4.00	0.00
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	169.00	169.00	0.00

* DENOTES SPECIALTY ITEMS

SUMMARY OF QUANTITIES				SIDEWALK CONSTRUCTION CODE 0021	SIGNALS CONSTRUCTION CODE 0021
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	SUBTOTAL	SUBTOTAL
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	590.00	590.00	0.00
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	69.00	69.00	0.00
* 63200310	GUARDRAIL REMOVAL	FOOT	49.00	49.00	0.00
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	8.00	8.00	0.00
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	1.00	1.00	0.00
* 66400305	CHAIN LINK FENCE, 6'	FOOT	156.00	156.00	0.00
67100100	MOBILIZATION	L SUM	1.00	1.00	0.00
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1.00	1.00	0.00
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.00	1.00	0.00
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1.00	1.00	0.00
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2654.00	2654.00	0.00
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	439.00	439.00	0.00
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	527.00	527.00	0.00
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1384.00	1384.00	0.00
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIAMETER	FOOT	118.00	0.00	118.00
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	6.00	0.00	6.00
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	5450.00	0.00	5450.00
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	5633.00	0.00	5633.00
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	182.00	0.00	182.00
* 87502640	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4.00	0.00	4.00
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16.00	0.00	16.00
* 87900200	DRILL EXISTING HANDHOLE	EACH	4	0.00	4.00
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	30.00	0.00	30.00
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	30.00	0.00	30.00
* 89100400	ILLUMINATED SIGN, LED	EACH	24.00	0.00	24.00
* 89502200	MODIFY EXISTING CONTROLLER	EACH	6.00	0.00	6.00

* DENOTES SPECIALTY ITEMS

PLOT DATE: May 07, 2015
FILENAME: I:\14-PH-3009\PLANS-ENG\REV-0\2014-PH-3009-Sheet 3-4.dwg

USER NAME *	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE * May 07, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	3
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	

SCALE: N/A SHEET NO. 3 OF 64 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES				SIDEWALK CONSTRUCTION CODE 0021	SIGNALS CONSTRUCTION CODE 0021
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL	SUBTOTAL	SUBTOTAL
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	5.00	0.00	5.00
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2.00	0.00	2.00
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	1.00	1.00	0.00
X0327008	REMOVE AND RELOCATE SIGN (SPECIAL)	EACH	1.00	1.00	0.00
* X6330705	RUB RAIL	FOOT	90.00	90.00	0.00
* X6331009	REMOVE AND REPLACE STEEL PLATE BEAM GUARDRAIL, SPECIAL	FOOT	150.00	150.00	0.00
Z0013302	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	412.00	412.00	0.00
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	40.00	0.00	40.00
* Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	6.00	0.00	6.00
# Z0076600	TRAINEES	HOURL	500		
Z0064800	SELECTIVE CLEARING	UNIT	10.00	10.00	0.00
# Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500		
* A2006420	TREE, QUERCUS ALBA (WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8.00	8.00	0.00
* A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8.00	8.00	0.00
* A2000086	TREE, ACER X FREEMANII ARMSTRONG (ARMSTRONG FREEMAN MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	4.00	4.00	0.00

* DENOTES SPECIALTY ITEMS

0042

PLOT DATE: May 07, 2015
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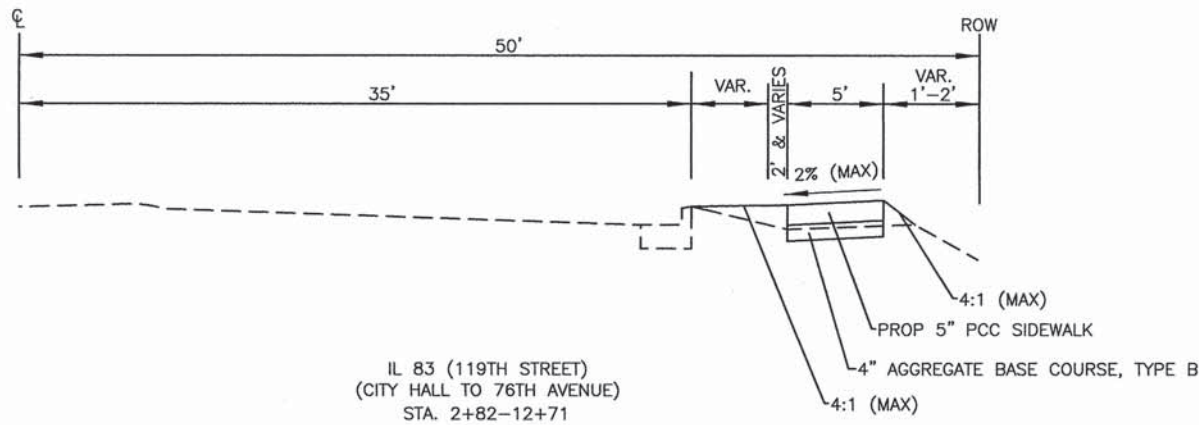
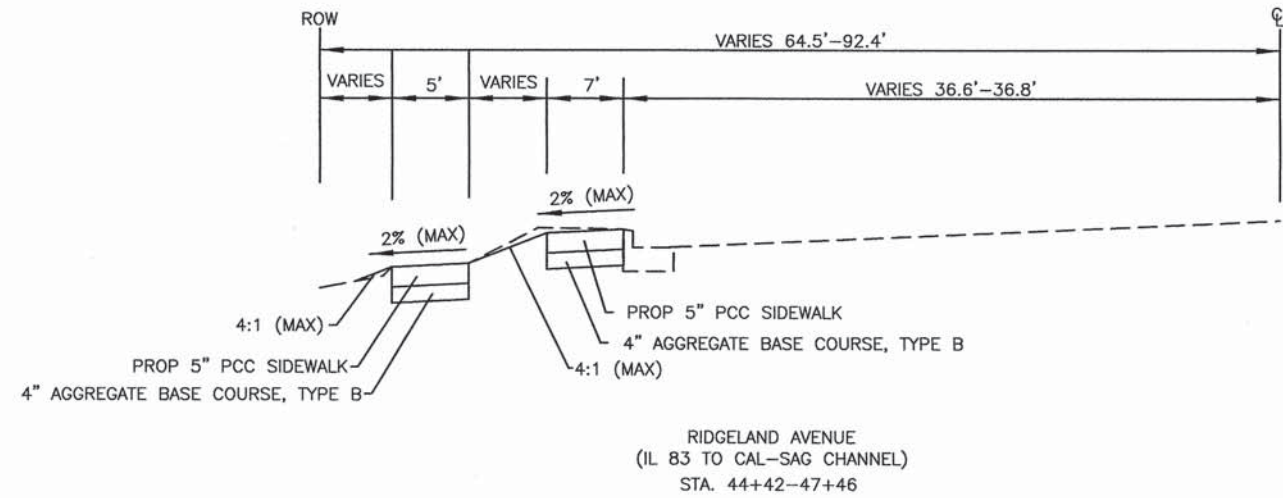
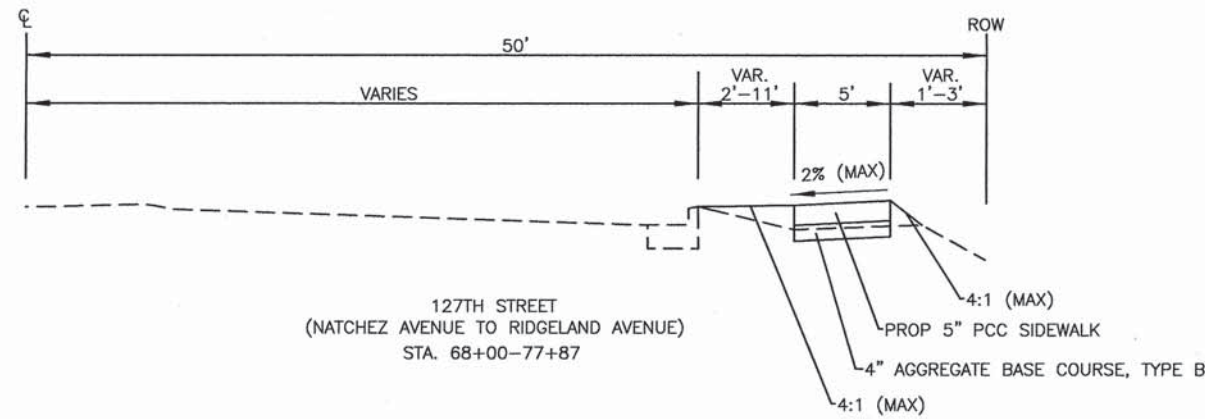
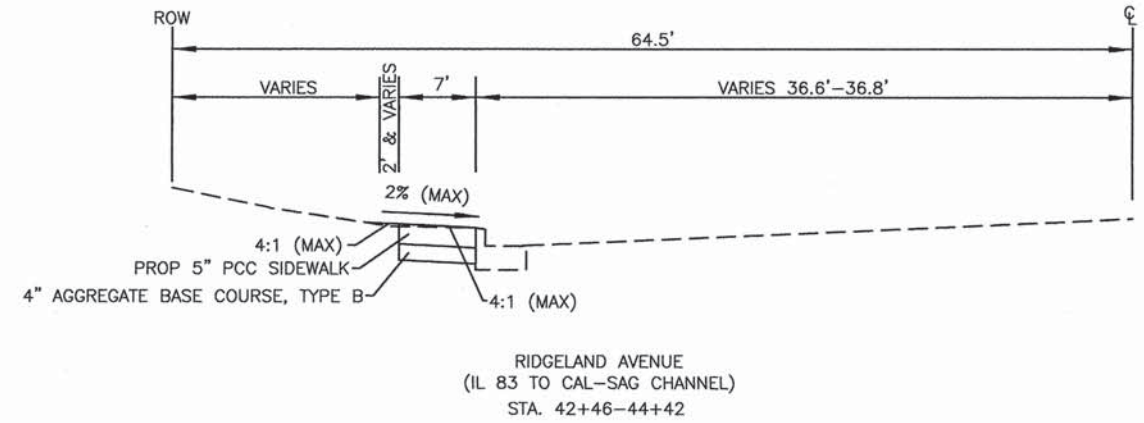
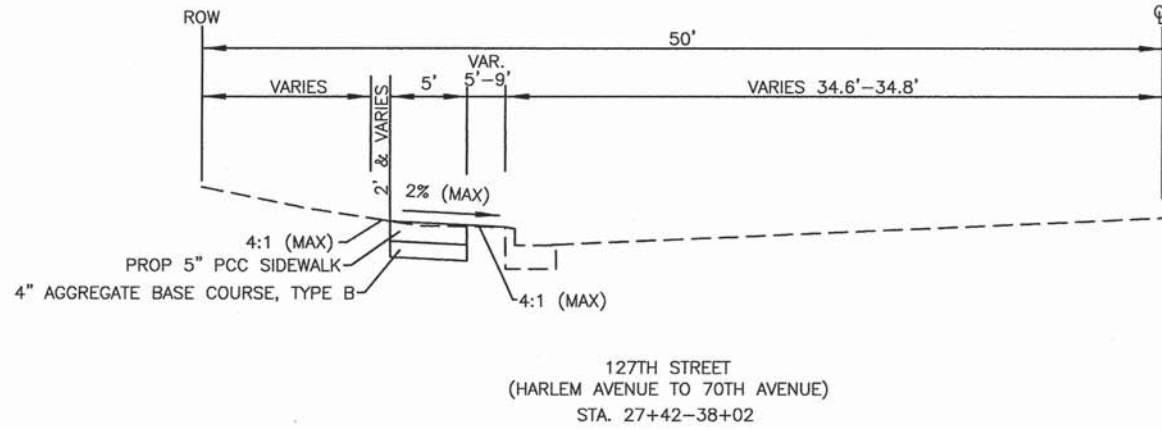
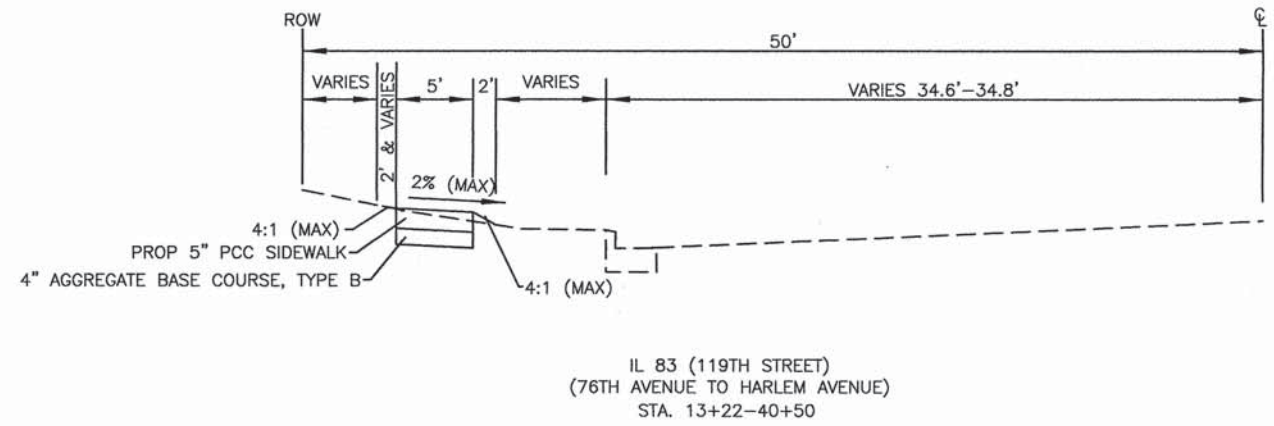
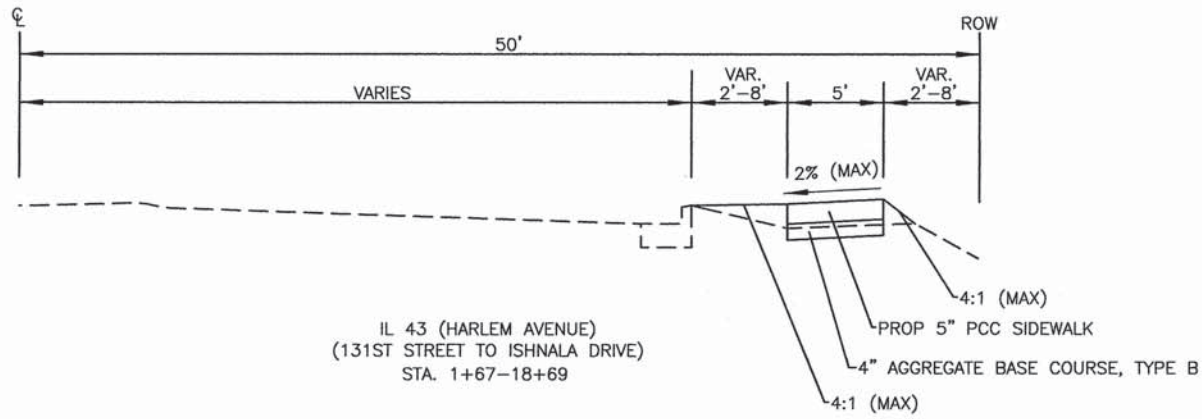
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	4
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	

SCALE: N/A SHEET NO. 4 OF 64 SHEETS STA. TO STA.



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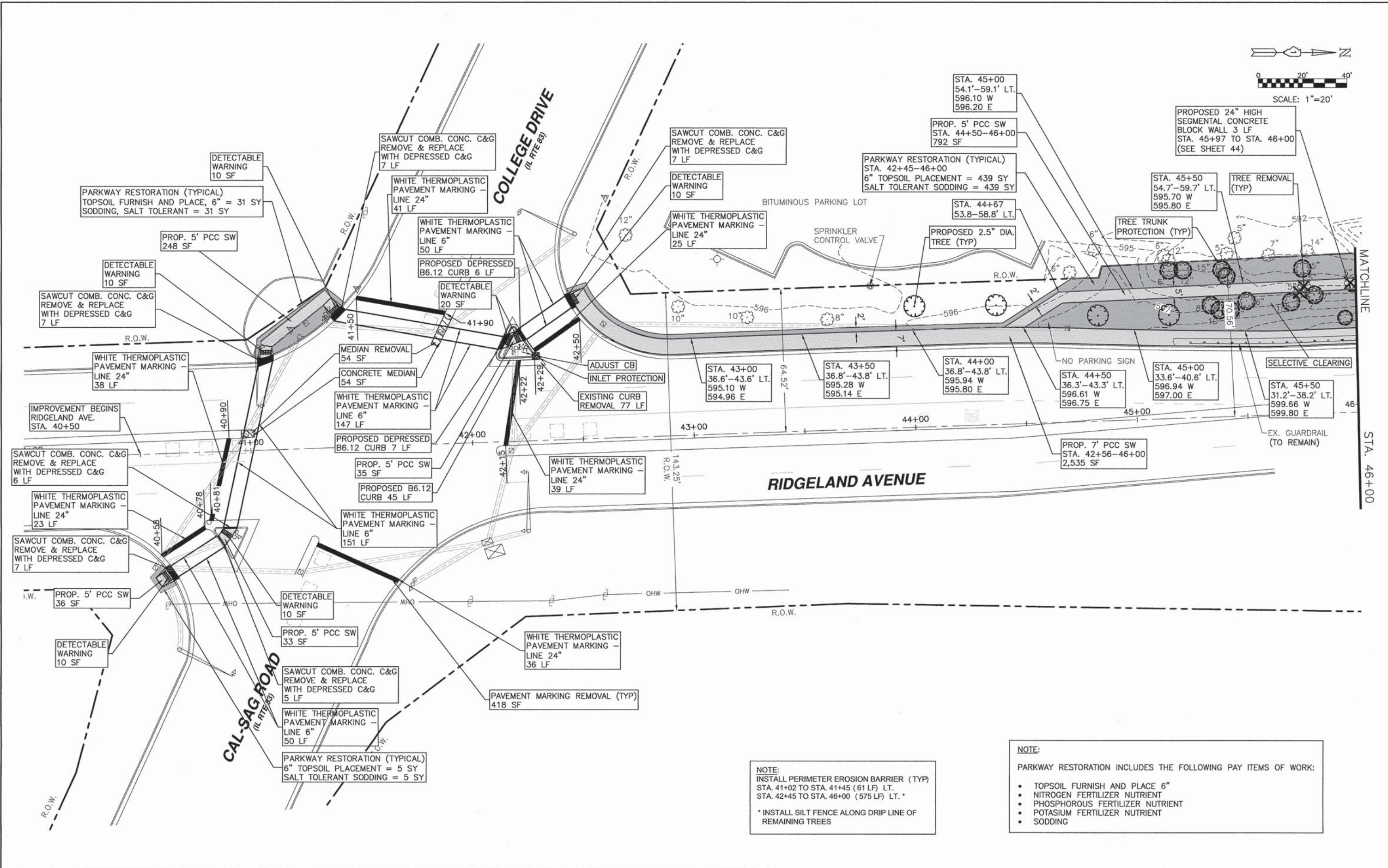
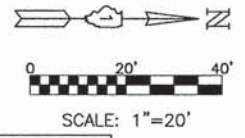
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PLOT DATE = Apr 17, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
TYPICAL SECTIONS

SCALE: N/A SHEET NO. 5 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	5
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				



NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 41+02 TO STA. 41+45 (61 LF) LT.
 STA. 42+45 TO STA. 46+00 (575 LF) LT.*
 * INSTALL SILT FENCE ALONG DRIP LINE OF
 REMAINING TREES

NOTE:
 PARKWAY RESTORATION INCLUDES THE FOLLOWING PAY ITEMS OF WORK:

- TOPSOIL FURNISH AND PLACE 6"
- NITROGEN FERTILIZER NUTRIENT
- PHOSPHOROUS FERTILIZER NUTRIENT
- POTASIAM FERTILIZER NUTRIENT
- SODDING

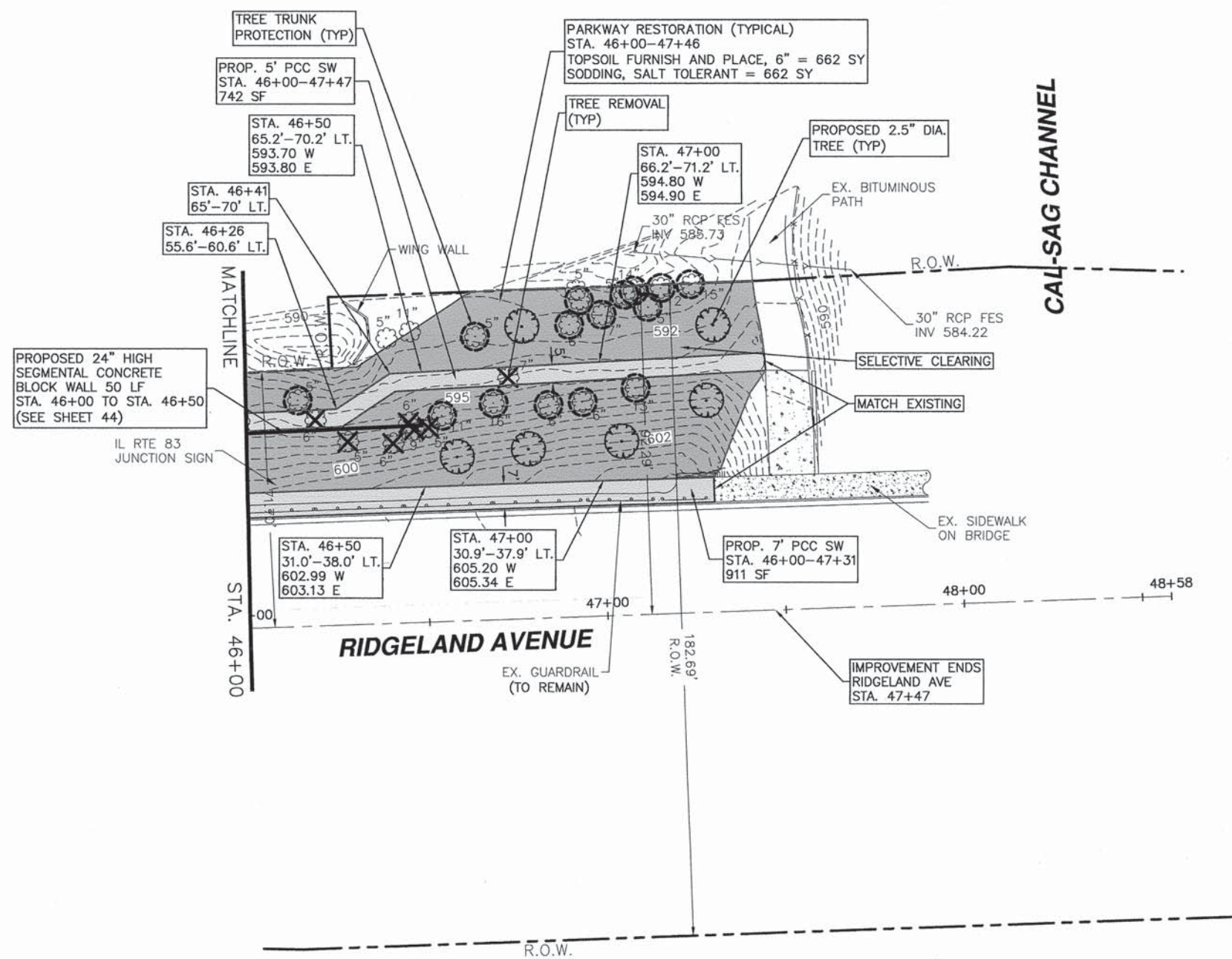
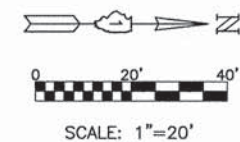
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PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE * Apr 17, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
RIDGELAND AVENUE - STA. 40+50 TO STA. 46+00
 SCALE: 1"=20' SHEET NO. 6 OF 64 SHEETS STA. 40+50 TO STA. 46+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	6
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 46+00 TO STA. 47+47 (340 LF) LT. *
 * INSTALL SILT FENCE ALONG DRIP LINE OF
 REMAINING TREES

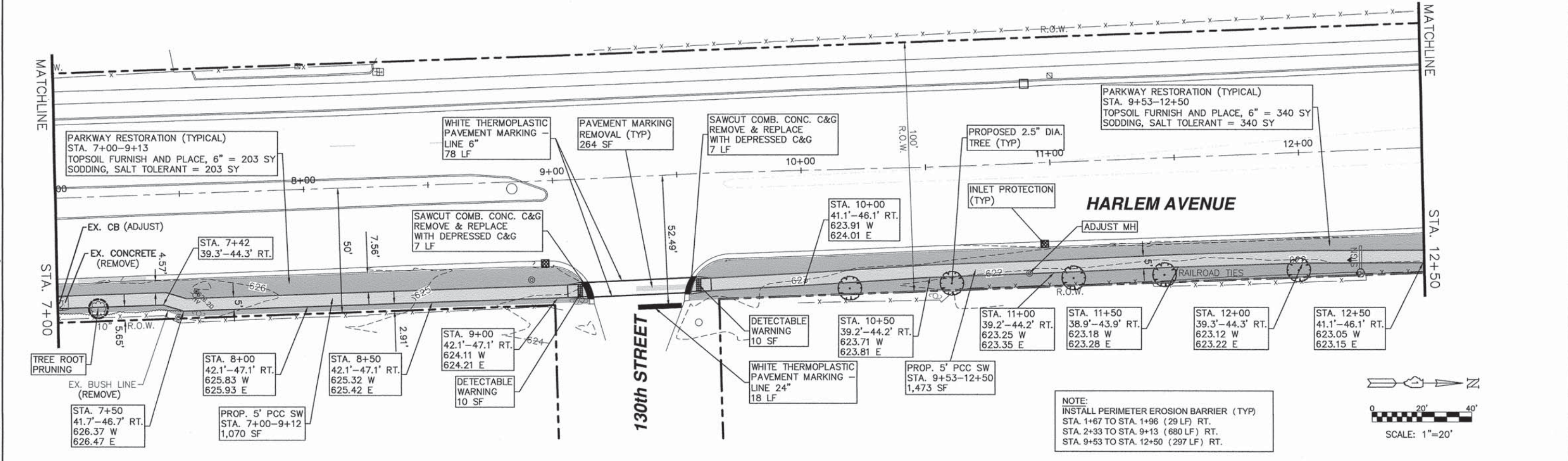
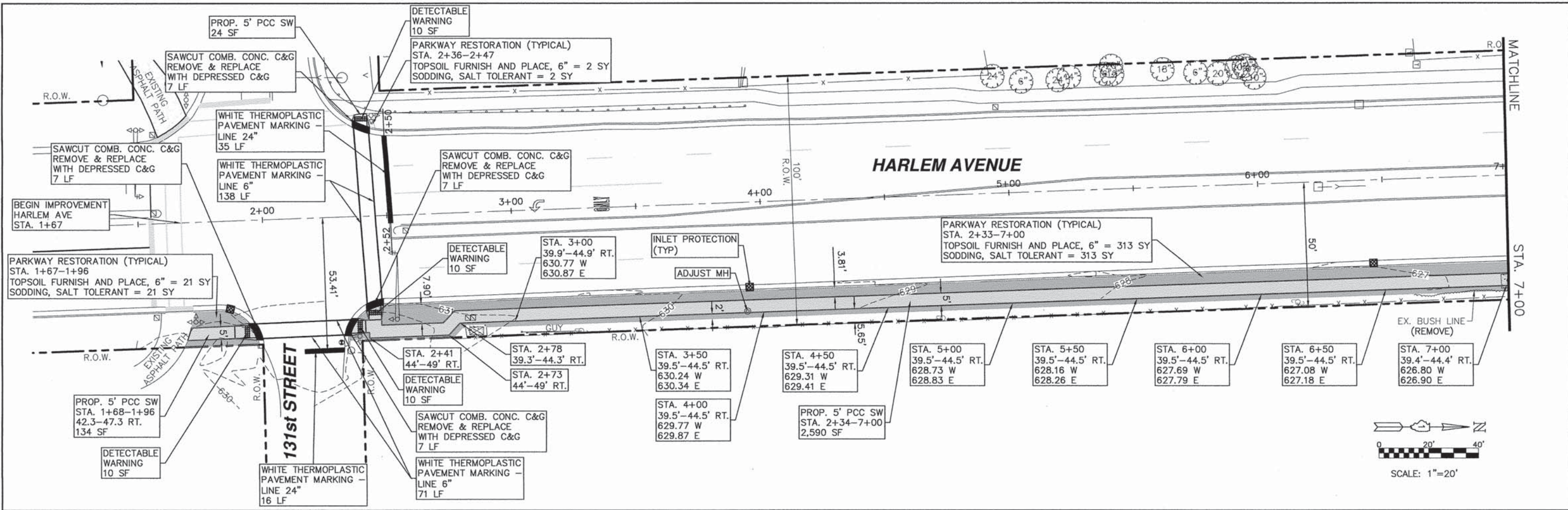
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PLOT DATE = Apr 15, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS RIDGELAND AVENUE - STA. 46+00 TO STA. 47+47	
SCALE: 1"=20'	SHEET NO. 7 OF 64 SHEETS STA. 46+00 TO STA. 47+47

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 7
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



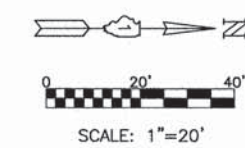
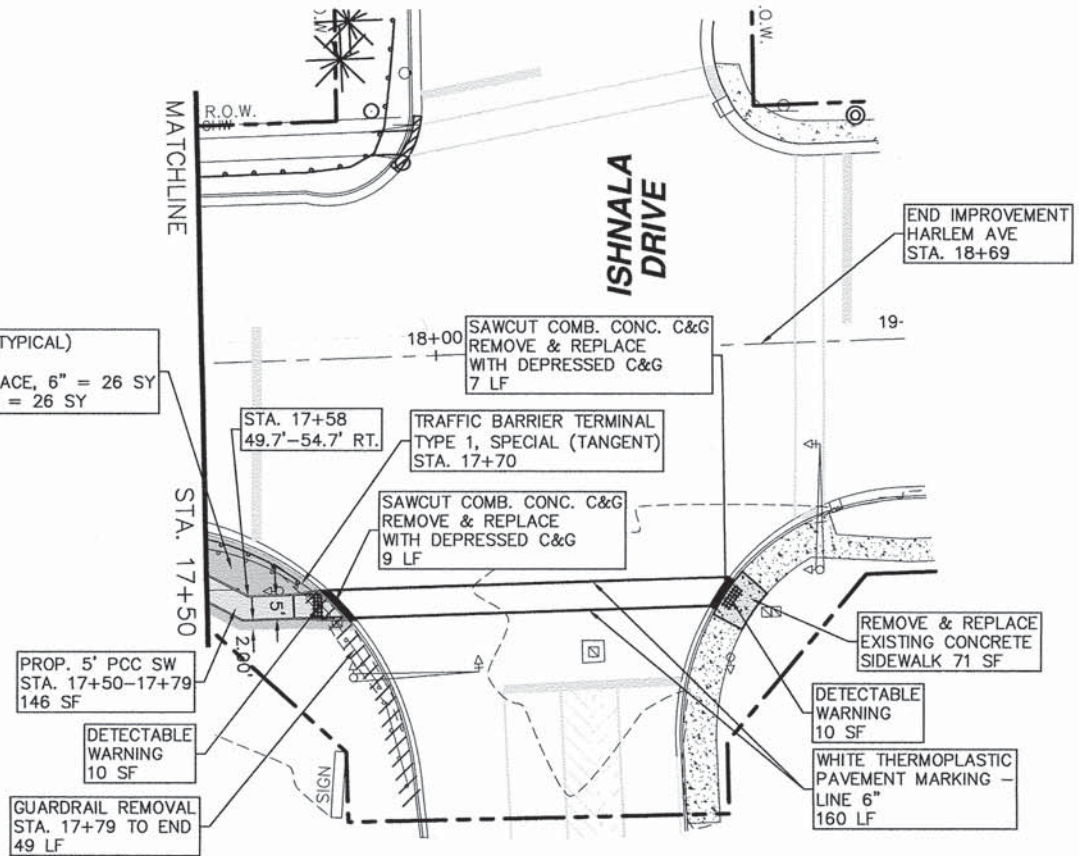
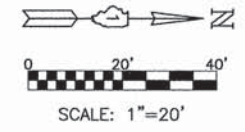
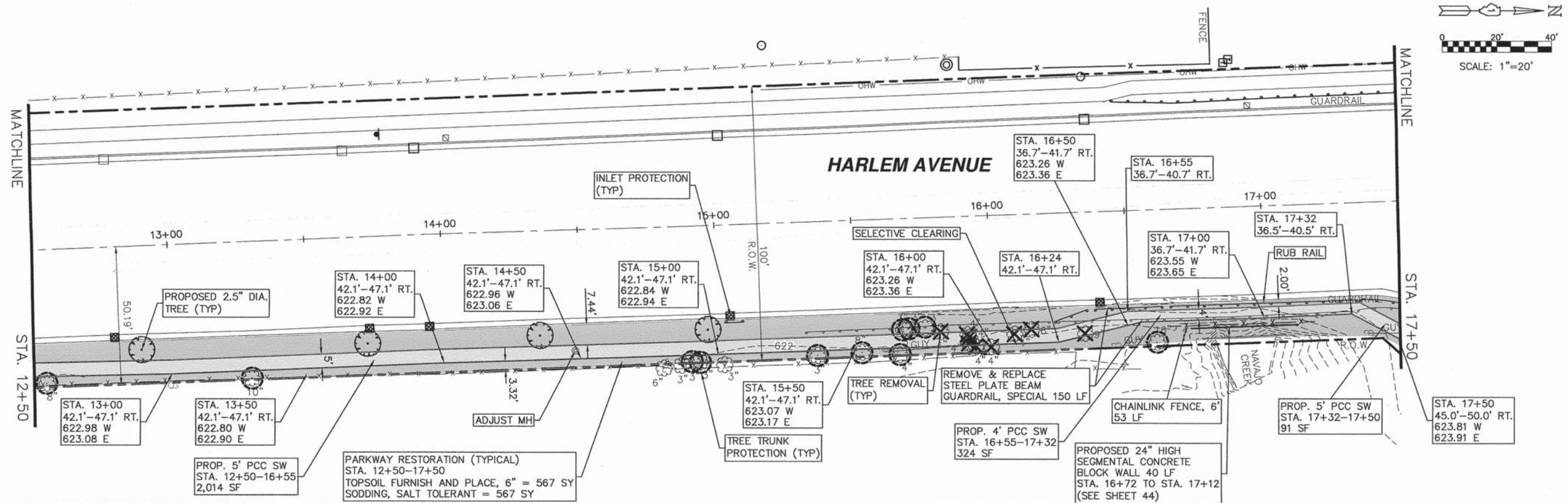
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PLOT DATE = Apr 17, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS HARLEM AVENUE STA. 1+67 TO STA. 12+50		
SCALE: 1"=20'	SHEET NO. 8 OF 64 SHEETS	STA. 1+67 TO STA. 12+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	8
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



NOTE:
INSTALL PERIMETER EROSION BARRIER (TYP)
STA. 12+50 TO STA. 17+81 (531 LF) RT.

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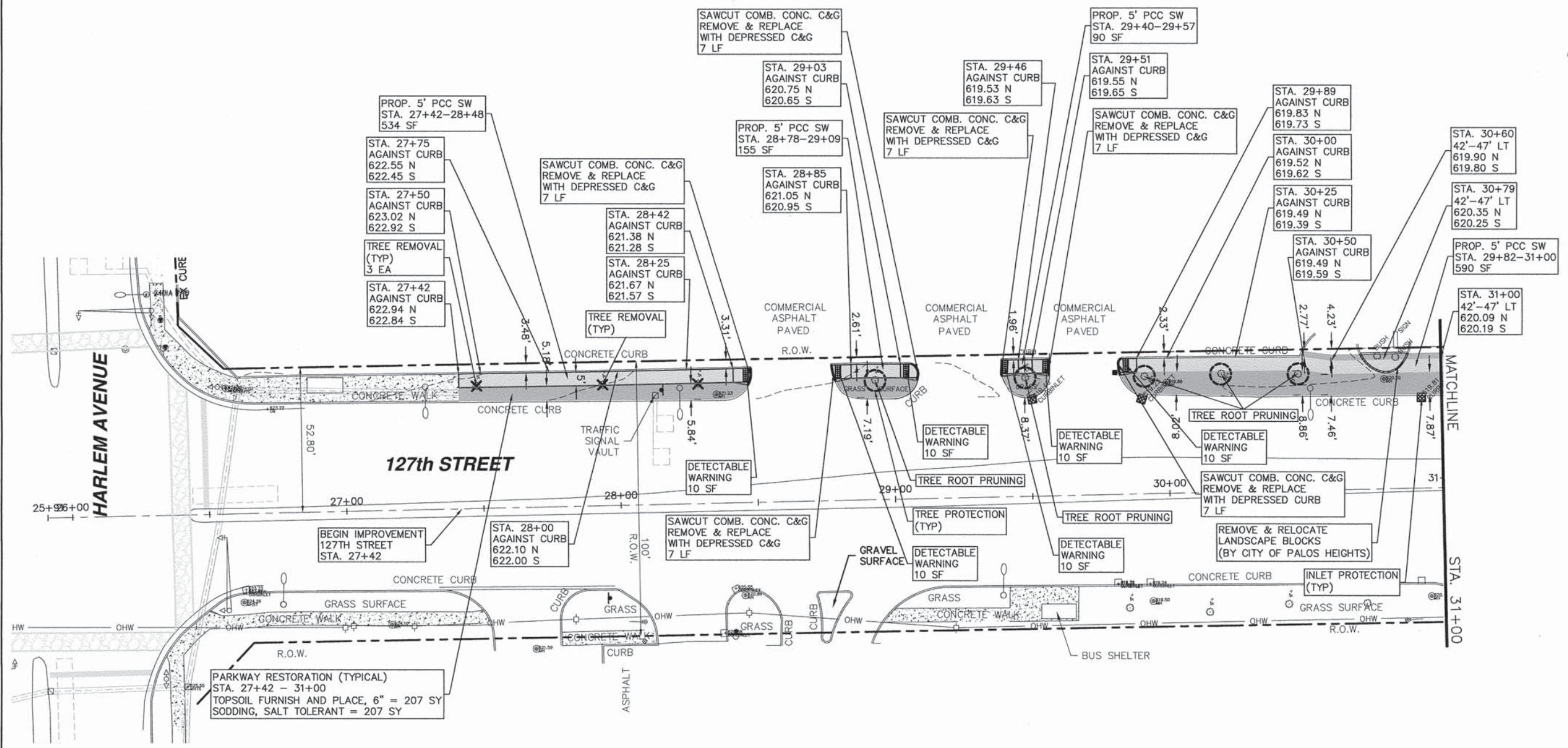
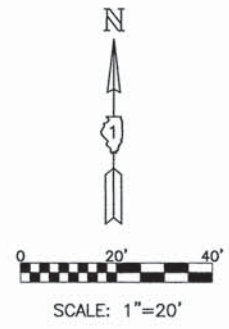
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PLOT DATE - May 07, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
HARLEM AVENUE STA. 12+50 TO STA. 18+69

SCALE: 1"=20' SHEET NO. 9 OF 64 SHEETS STA. 12+50 TO STA. 18+69

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	9
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



PARKWAY RESTORATION (TYPICAL)
 STA. 27+42 - 31+00
 TOPSOIL FURNISH AND PLACE, 6" = 207 SY
 SODDING, SALT TOLERANT = 207 SY

NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 27+42 TO STA. 28+47 (105 LF) LT.
 STA. 28+80 TO STA. 29+09 (29 LF) LT.
 STA. 29+40 TO STA. 29+57 (17 LF) LT.
 STA. 29+83 TO STA. 31+00 (117 LF) LT.

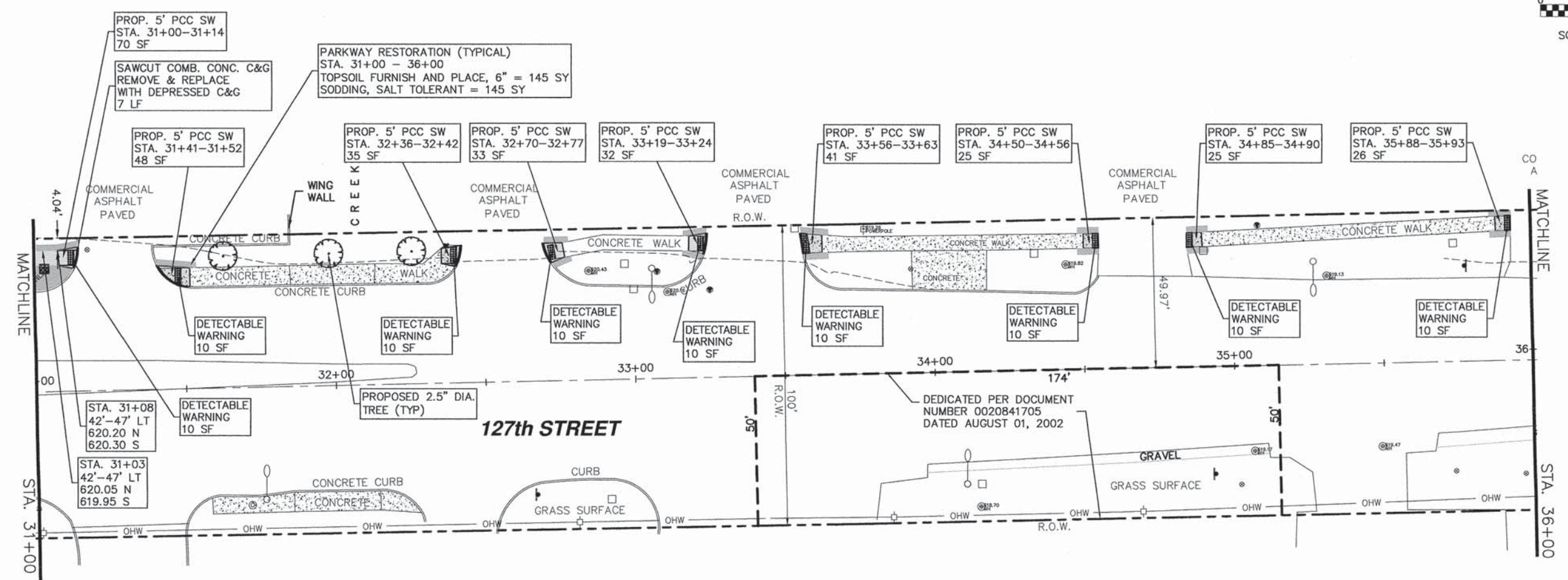
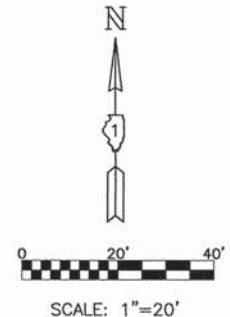
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PLOT DATE * Apr 16, 2015	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS		
127th STREET STA. 27+42 TO STA. 31+00		
SCALE: 1"=20'	SHEET NO. 10 OF 64 SHEETS	STA. 27+42 TO STA. 31+00

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 10
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				



NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 31+00 TO STA. 31+14 (14 LF) LT.

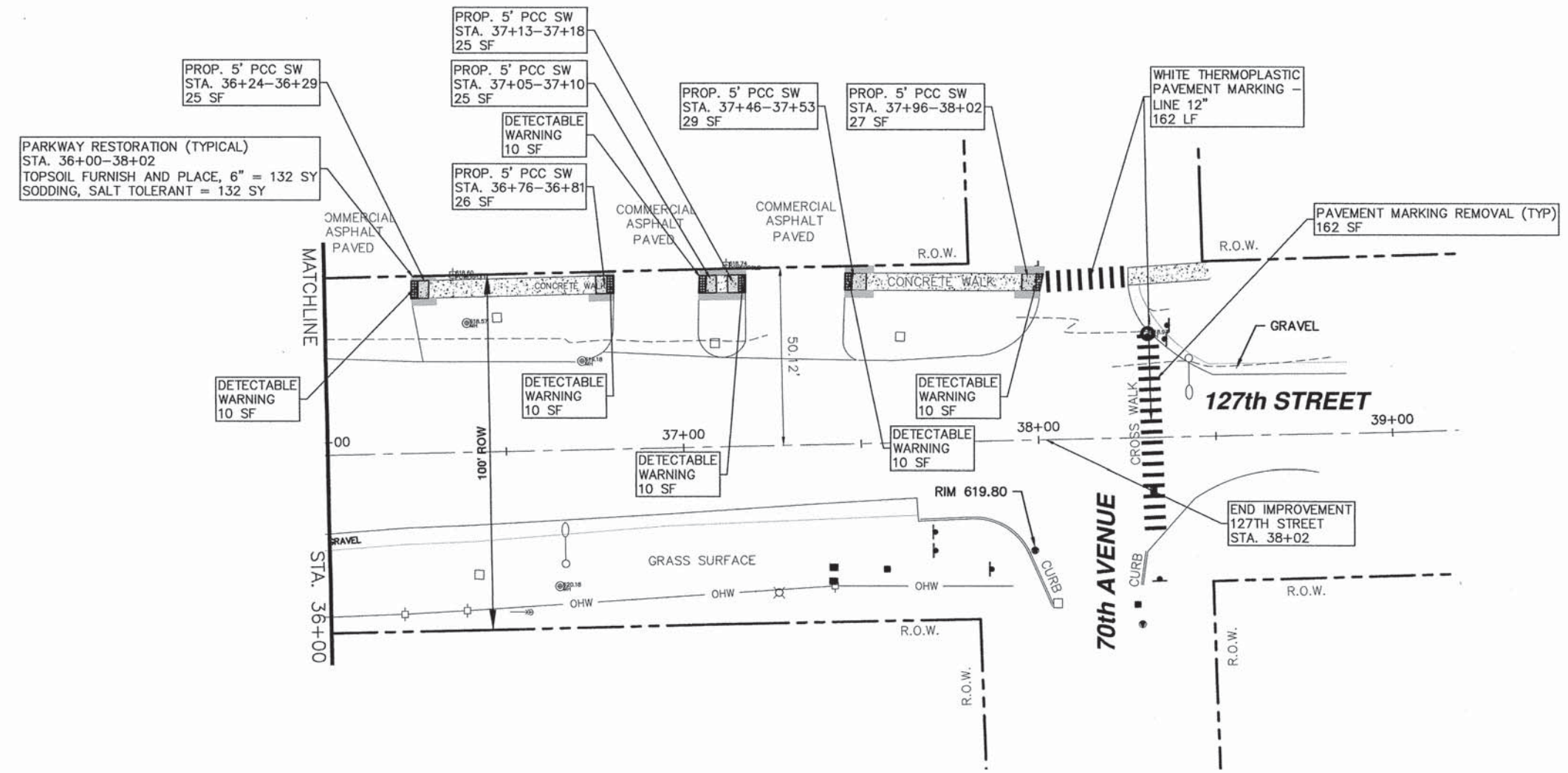
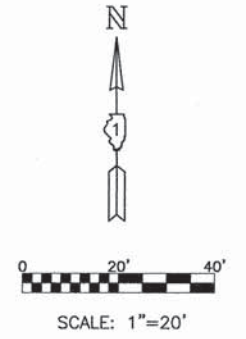
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PLOT DATE * Apr 16, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS 127th STREET STA. 31+00 TO STA. 36+00		
SCALE: 1"=20'	SHEET NO. 11 OF 64 SHEETS	STA. 31+00 TO STA. 36+00

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 11
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



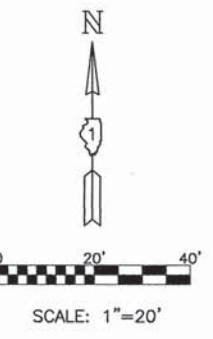
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

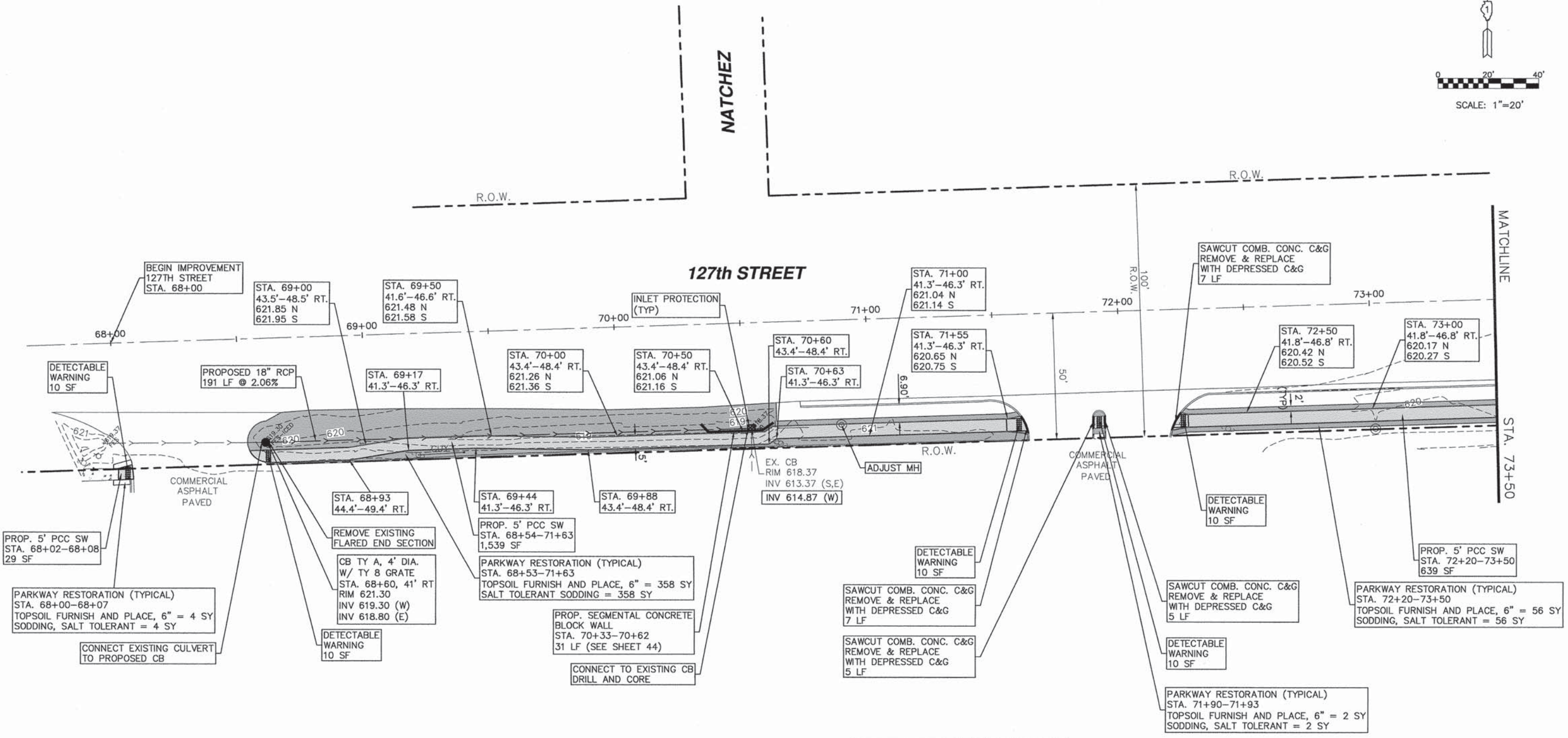
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SCALE: 1"=20'	SHEET NO. 12 OF 64 SHEETS	STA. 36+00 TO STA. 38+02

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 12
CONTRACT NO. 61B59				ILLINOIS FED. AID PROJECT



NATCHEZ

127th STREET



NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 68+54 TO STA. 71+63 (309 LF) RT.
 STA. 72+20 TO STA. 73+50 (130 LF) RT.

PLOT DATE: Apr 15, 2015
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

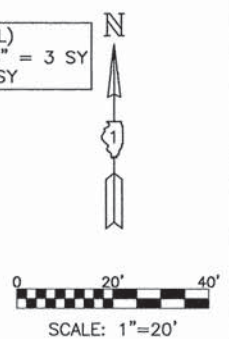
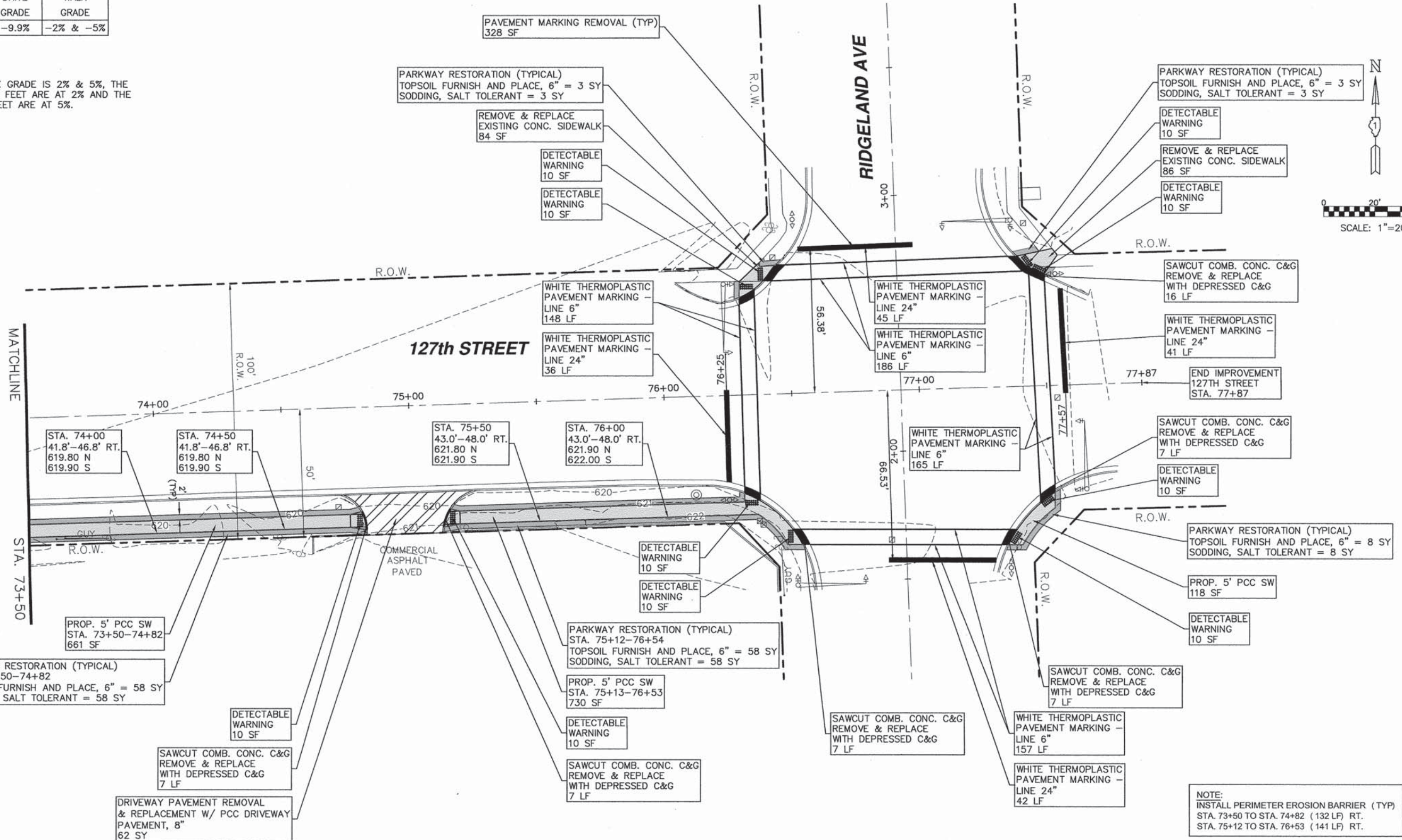
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127th STREET STA. 68+00 TO STA. 73+50	
SCALE: 1"=20'	SHEET NO. 13 OF 64 SHEETS
STA. 68+00	TO STA. 73+50

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 13
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	

SIDEWALK CROSS-GRADES AT DRIVEWAYS

STATION	DRIVE GRADE	WALK GRADE
75+00 R	-9.9%	-2% & -5%

NOTE:
WHERE WALK GRADE IS 2% & 5%, THE FIRST THREE FEET ARE AT 2% AND THE LAST TWO FEET ARE AT 5%.



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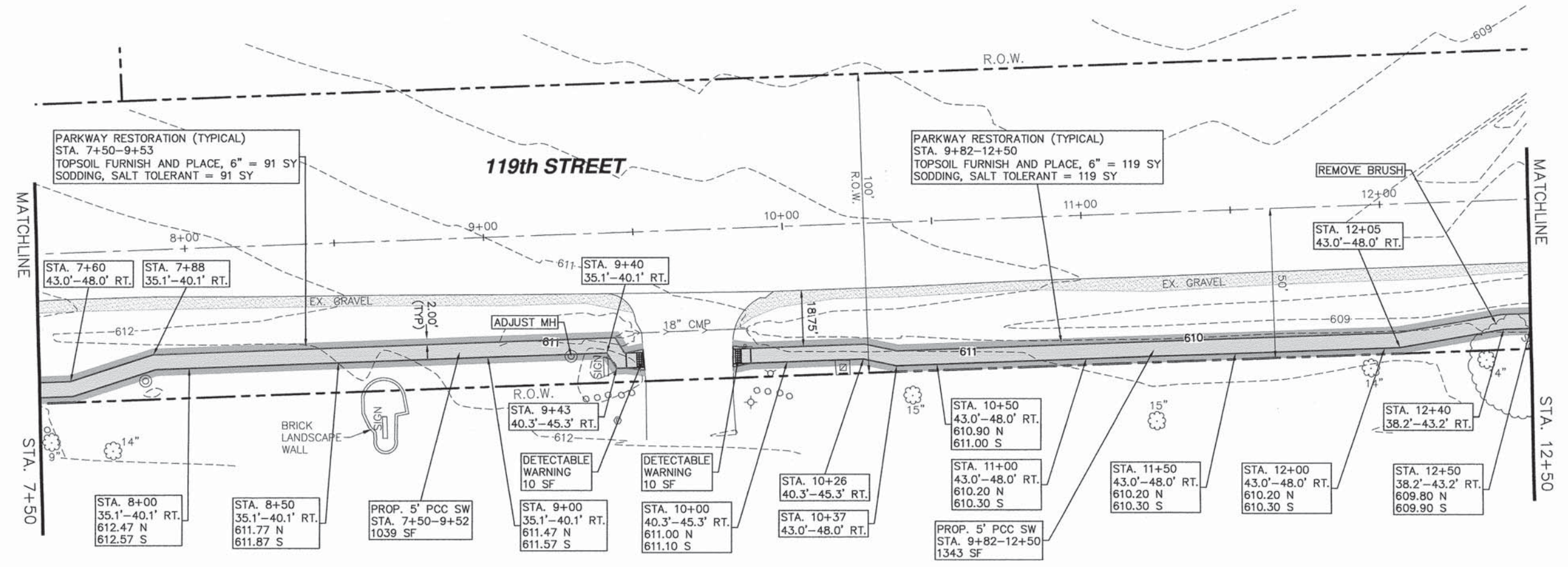
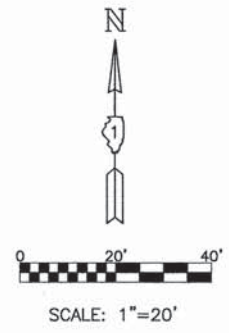
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PLOT DATE * Apr 17, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS	
127th STREET STA. 73+50 TO STA. 77+87	
SCALE: 1"=20'	SHEET NO. 14 OF 64 SHEETS STA. 73+50 TO STA. 77+87

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	14
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	

NOTE:
INSTALL PERIMETER EROSION BARRIER (TYP)
STA. 73+50 TO STA. 74+82 (132 LF) RT.
STA. 75+12 TO STA. 76+53 (141 LF) RT.



NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 7+50 TO STA. 9+52 (202 LF) RT.
 STA. 9+82 TO STA. 12+50 (268 LF) RT.

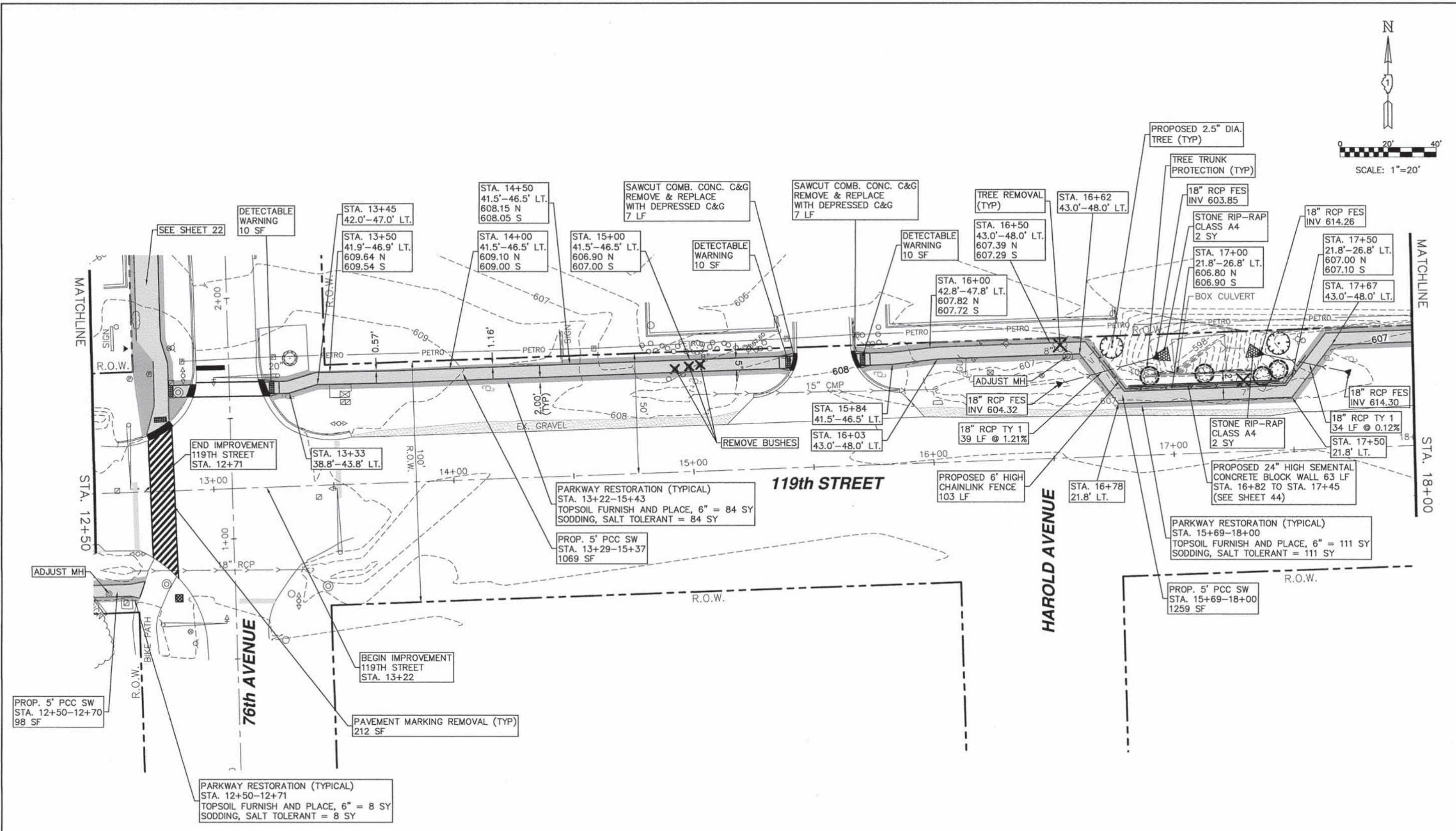
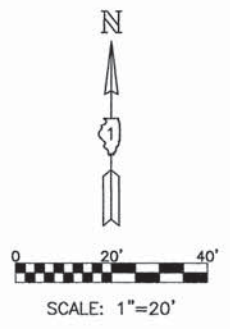
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USER NAME *	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE * Apr 15, 2015	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS		
119th STREET STA. 7+50 TO STA. 12+50		
SCALE: 1"=20'	SHEET NO. 16 OF 64 SHEETS	STA. 7+50 TO STA. 12+50

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 16
				CONTRACT NO. 61B59
ILLINOIS FED. AID PROJECT				



NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 12+50 TO STA. 12+71 (21 LF) RT.
 STA. 13+22 TO STA. 15+43 (221 LF) LT.
 STA. 15+68 TO STA. 18+00 (232 LF) LT.

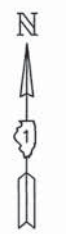
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PLOT DATE = Apr 20, 2015	DATE -	REVISED -

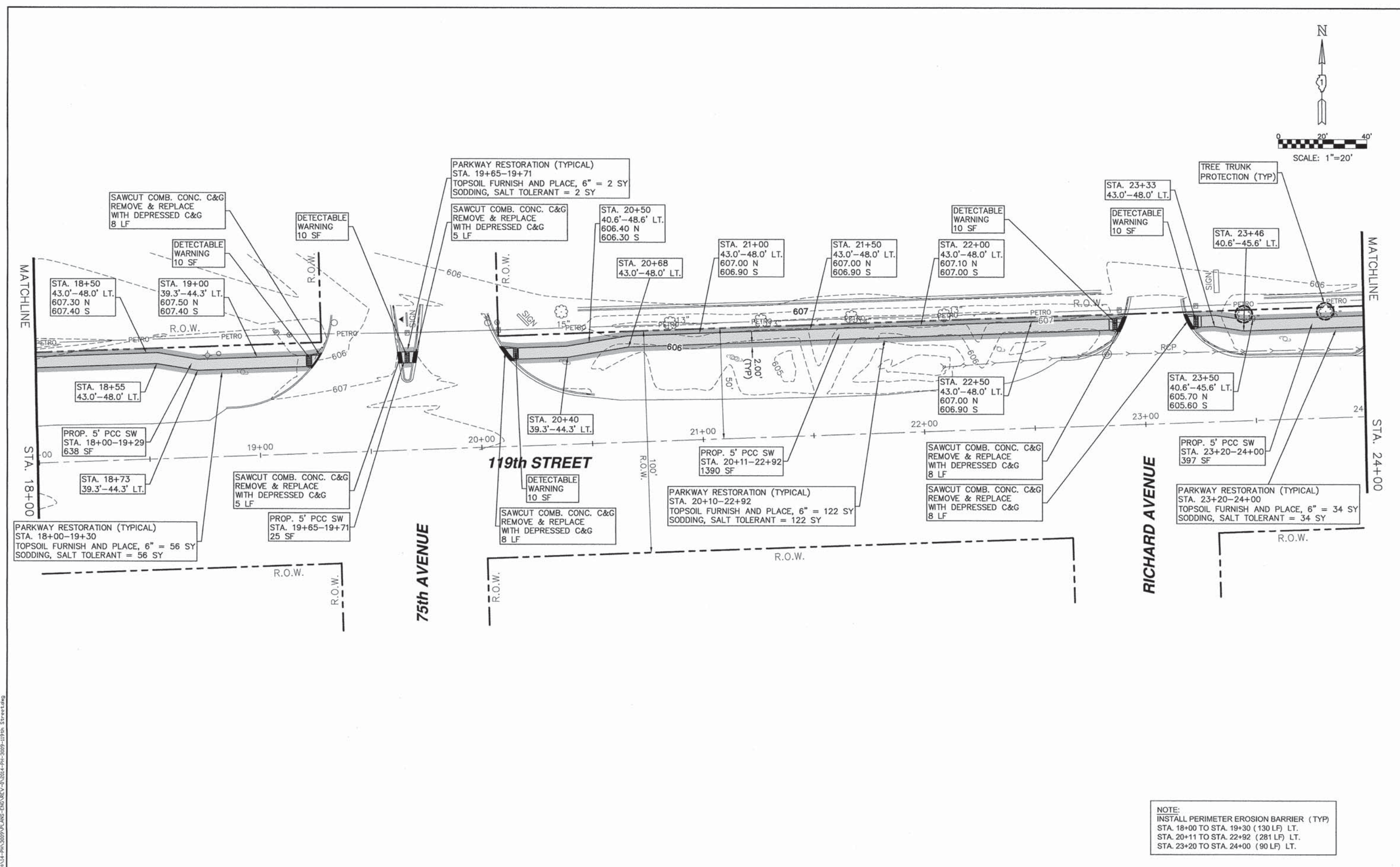
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS	
119th STREET STA. 12+50 TO STA. 18+00	
SCALE: 1"=20'	SHEET NO. 17 OF 64 SHEETS STA. 12+50 TO STA. 18+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	17
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



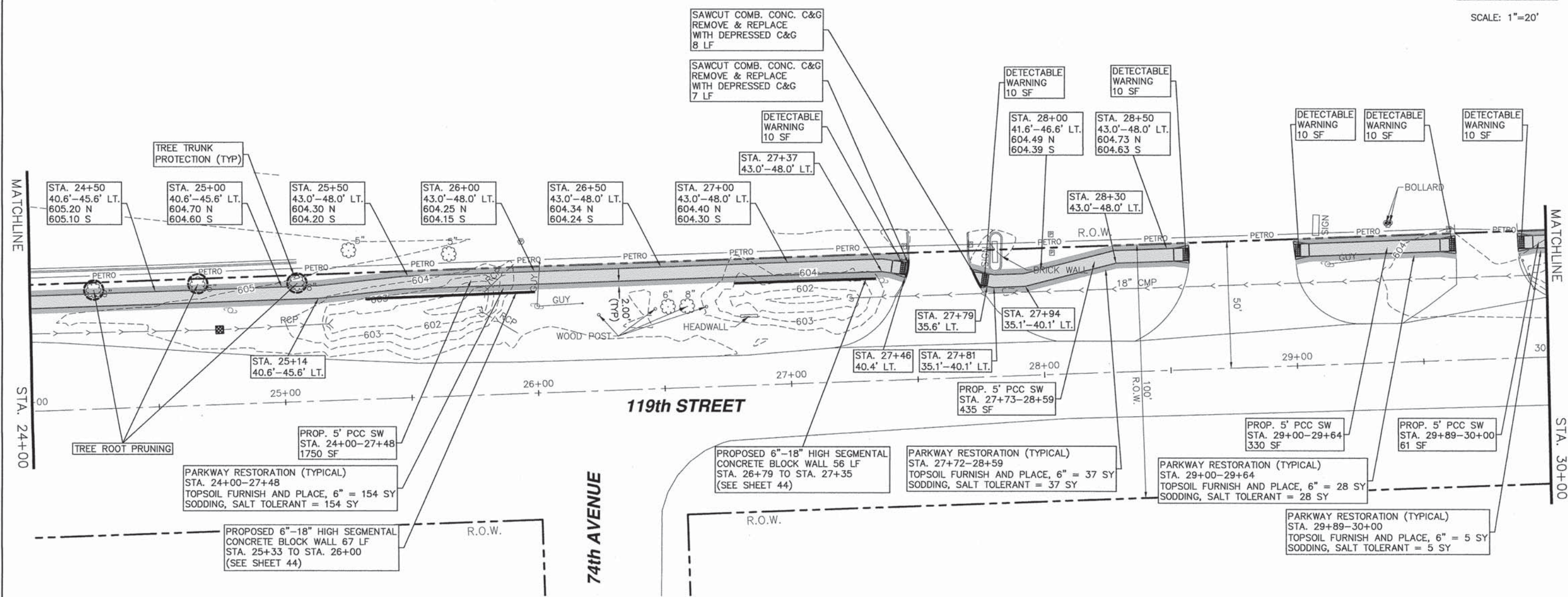
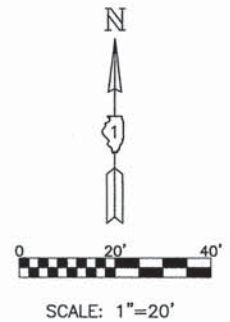
SCALE: 1"=20'



NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 18+00 TO STA. 19+30 (130 LF) LT.
 STA. 20+11 TO STA. 22+92 (281 LF) LT.
 STA. 23+20 TO STA. 24+00 (90 LF) LT.

PLOT DATE: Apr 15, 2015
 FILENAME: I:\14-00051-00-SW\ANS-ENG\REV-0\2014-PL-2009-119th_Street.dwg

USER NAME = PLOT SCALE = PLOT DATE = Apr 15, 2015		DESIGNED - AS DRAWN - DJB CHECKED - AS DATE -		REVISED - REVISED - REVISED - REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS 119th STREET STA. 18+00 TO STA. 24+00		F.A.P. RTE. 348 SECTION 14-00051-00-SW COUNTY COOK TOTAL SHEETS 64 SHEET NO. 18 CONTRACT NO. 61B59	
						SCALE: 1"=20' SHEET NO. 18 OF 64 SHEETS STA. 18+00 TO STA. 24+00		ILLINOIS FED. AID PROJECT			



NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 24+00 TO STA. 27+46 (346 LF) LT.
 STA. 27+73 TO STA. 28+58 (85 LF) LT.
 STA. 29+00 TO STA. 29+64 (64 LF) LT.
 STA. 29+89 TO STA. 30+00 (11 LF) LT.

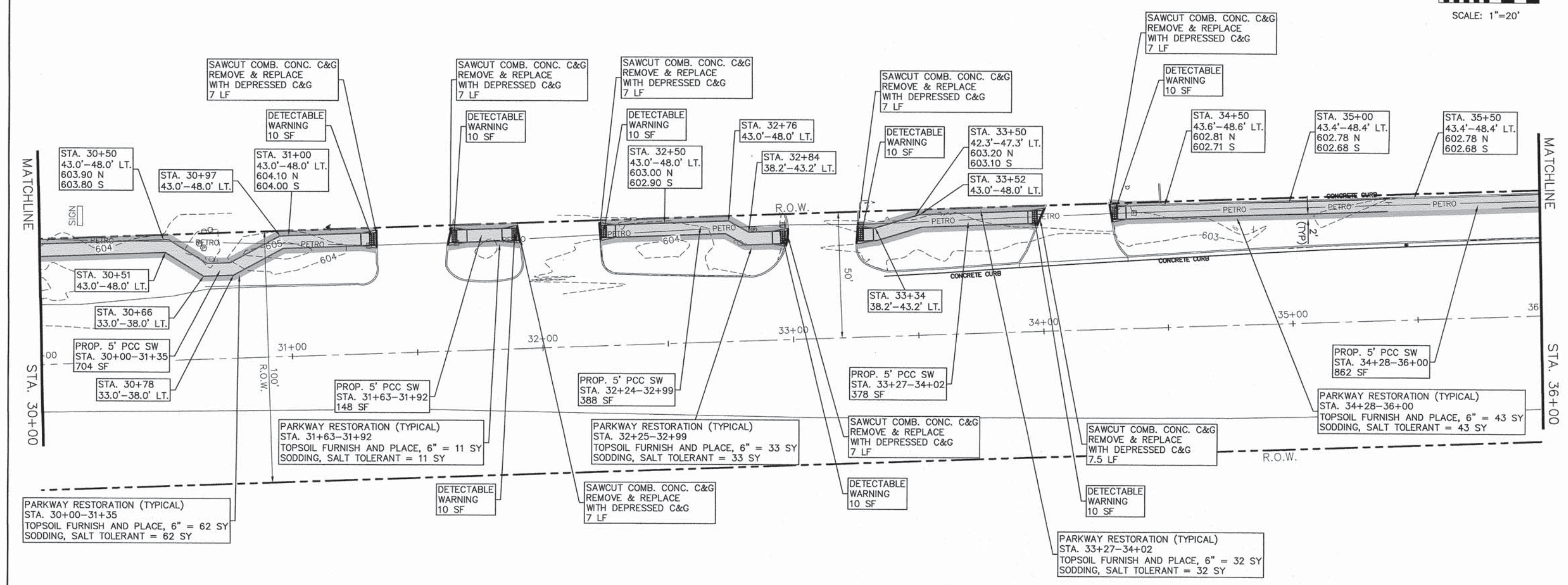
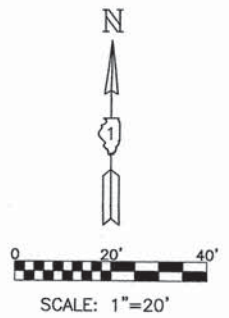
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USER NAME =	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE =	CHECKED - AS	REVISED -
PLOT DATE = Apr 16, 2015	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS		
119th STREET STA. 24+00 TO STA. 30+00		
SCALE: 1"=20'	SHEET NO. 19 OF 64 SHEETS	STA. 24+00 TO STA. 30+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	19
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 30+00 TO STA. 31+35 (135 LF) LT.
 STA. 31+64 TO STA. 31+92 (28 LF) LT.
 STA. 32+25 TO STA. 32+99 (74 LF) LT.
 STA. 33+27 TO STA. 34+02 (75 LF) LT.
 STA. 34+20 TO STA. 36+00 (180 LF) LT.

NOTE:
 WARNING! HIGH-PRESSURE PIPELINE(S).
 EXCAVATION AND/OR CONSTRUCTION PROHIBITED
 WITHOUT WRITTEN PERMISSION FROM ENTERPRISE
 PRODUCTS COMPANY.

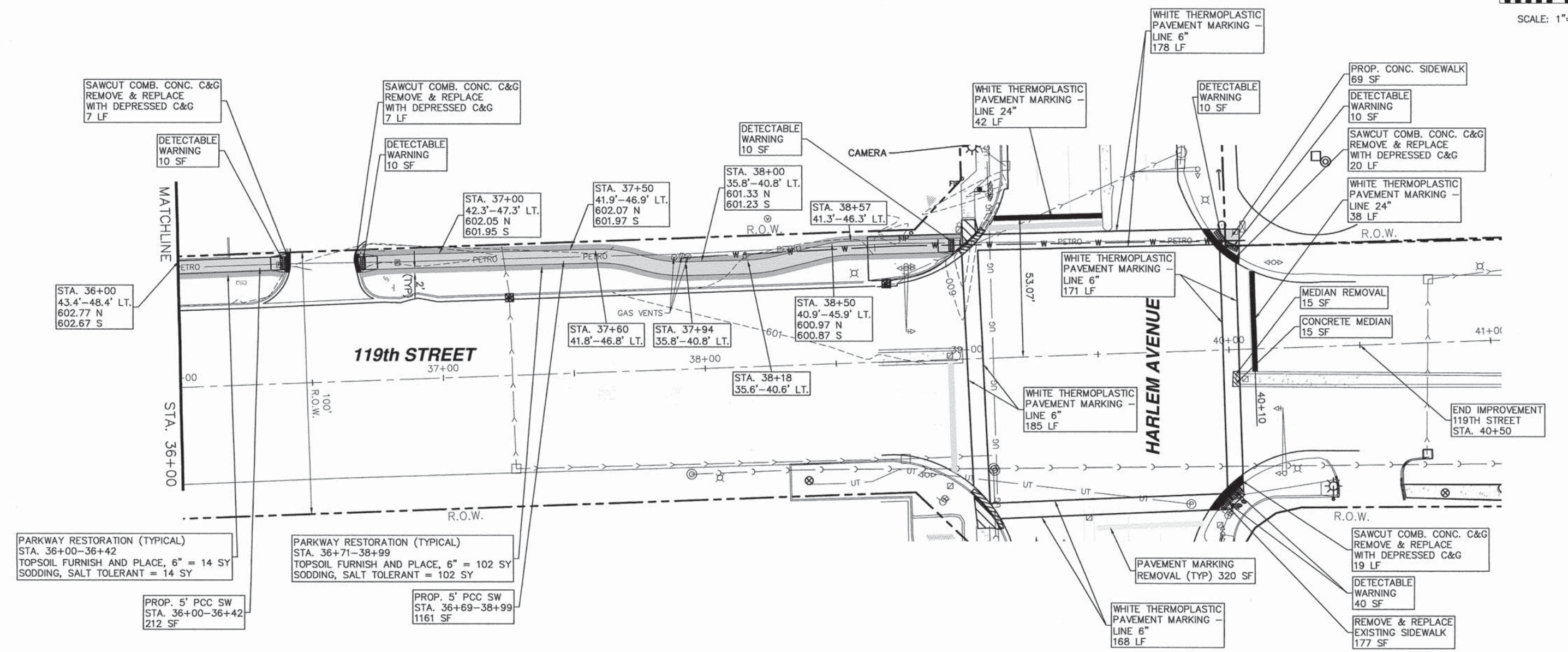
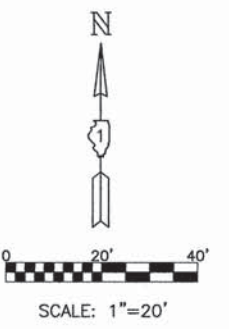
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USER NAME =	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE =	CHECKED - AS	REVISED -
PLOT DATE = Apr 15, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
119th STREET STA. 30+00 TO STA. 36+00
 SCALE: 1"=20' SHEET NO. 20 OF 64 SHEETS STA. 30+00 TO STA. 36+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	20
			CONTRACT NO. 61B59	
ILLINOIS FED. AID PROJECT				



PARKWAY RESTORATION (TYPICAL)
 STA. 36+00-36+42
 TOPSOIL FURNISH AND PLACE, 6" = 14 SY
 SODDING, SALT TOLERANT = 14 SY

PROP. 5' PCC SW
 STA. 36+00-36+42
 212 SF

PARKWAY RESTORATION (TYPICAL)
 STA. 36+71-38+99
 TOPSOIL FURNISH AND PLACE, 6" = 102 SY
 SODDING, SALT TOLERANT = 102 SY

PROP. 5' PCC SW
 STA. 36+69-38+99
 1161 SF

NOTE:
 INSTALL PERIMETER EROSION BARRIER (TYP)
 STA. 36+00 TO STA. 36+42 (42 LF) LT.
 STA. 36+70 TO STA. 38+99 (229 LF) LT.

NOTE:
 WARNING! HIGH-PRESSURE PIPELINE(S).
 EXCAVATION AND/OR CONSTRUCTION PROHIBITED
 WITHOUT WRITTEN PERMISSION FROM ENTERPRISE
 PRODUCTS COMPANY.

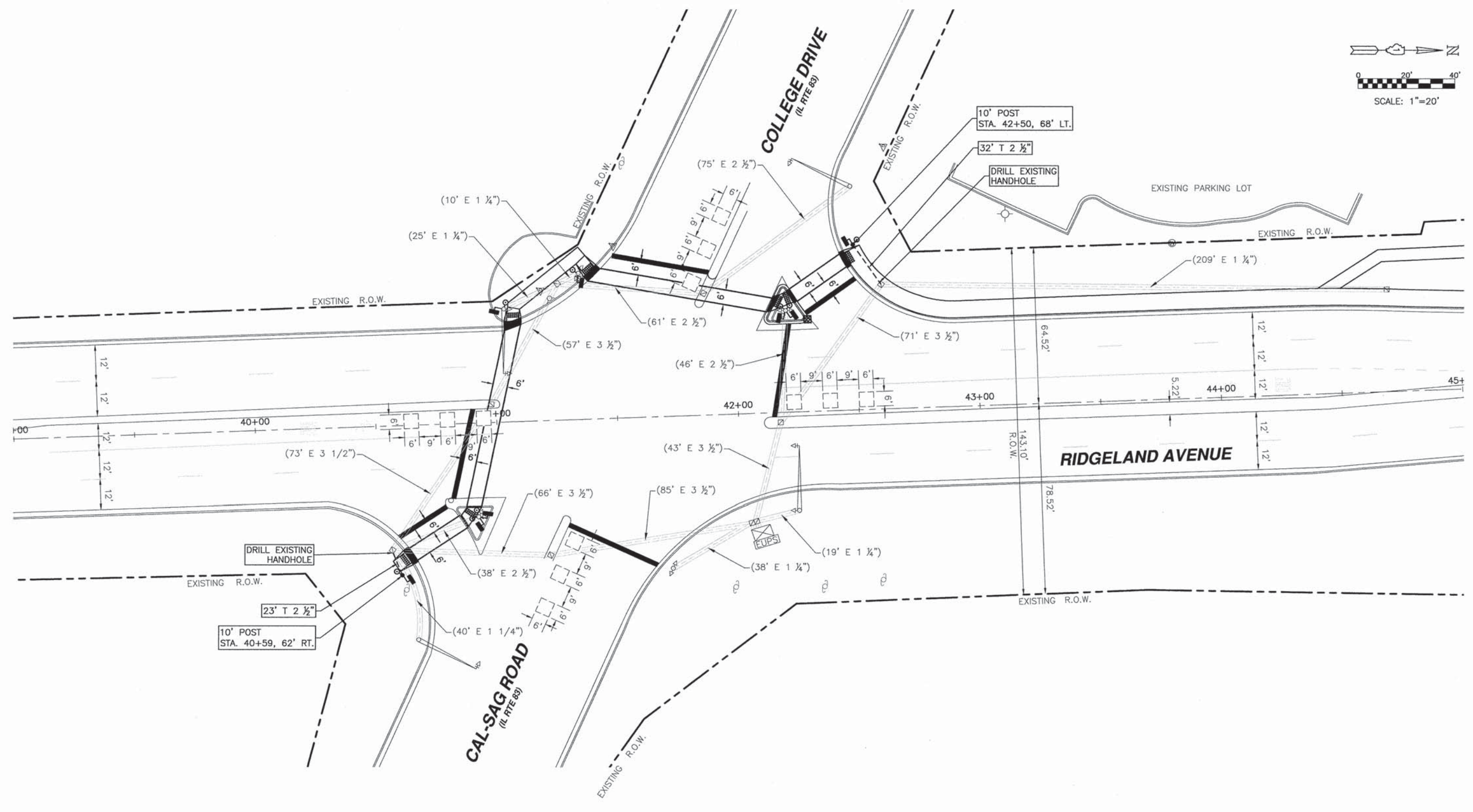
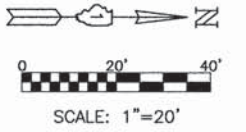
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USER NAME *	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE * Apr 17, 2015	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS	
119th STREET STA. 36+00 TO STA. 40+50	
SCALE: 1"=20'	SHEET NO. 21 OF 64 SHEETS
STA. 36+00	TO STA. 40+50

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 21
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



PLOT DATE: May 07, 2015
 FILENAME: H:\14-PH\3009\PLANS-ENG\REV-0\2014-PH-3009-Ridgeland Avenue-Traffic Signal-Modifications.dwg

TS #3505

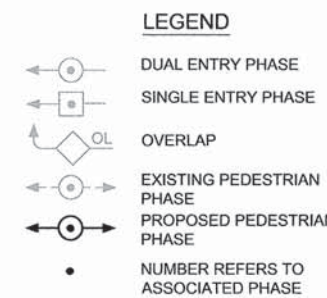
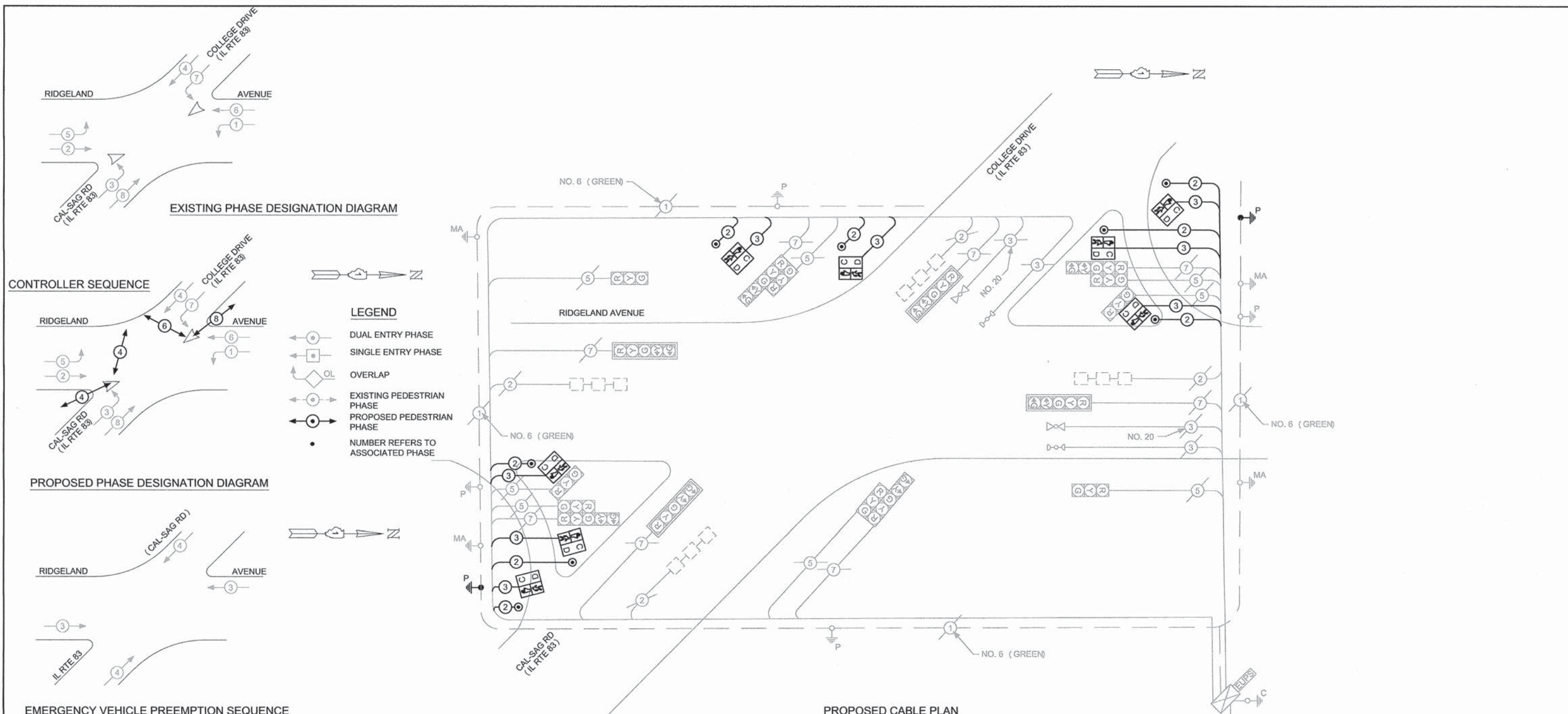
USER NAME =	DESIGNED - AS	REVISED -
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PLOT SCALE =	CHECKED - AS	REVISED -
PLOT DATE = May 07, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
RIDGELAND AVE & COLLEGE DR TRAFFIC SIGNAL IMPROVEMENTS

SCALE: 1"=20' SHEET NO. 23 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	23
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



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

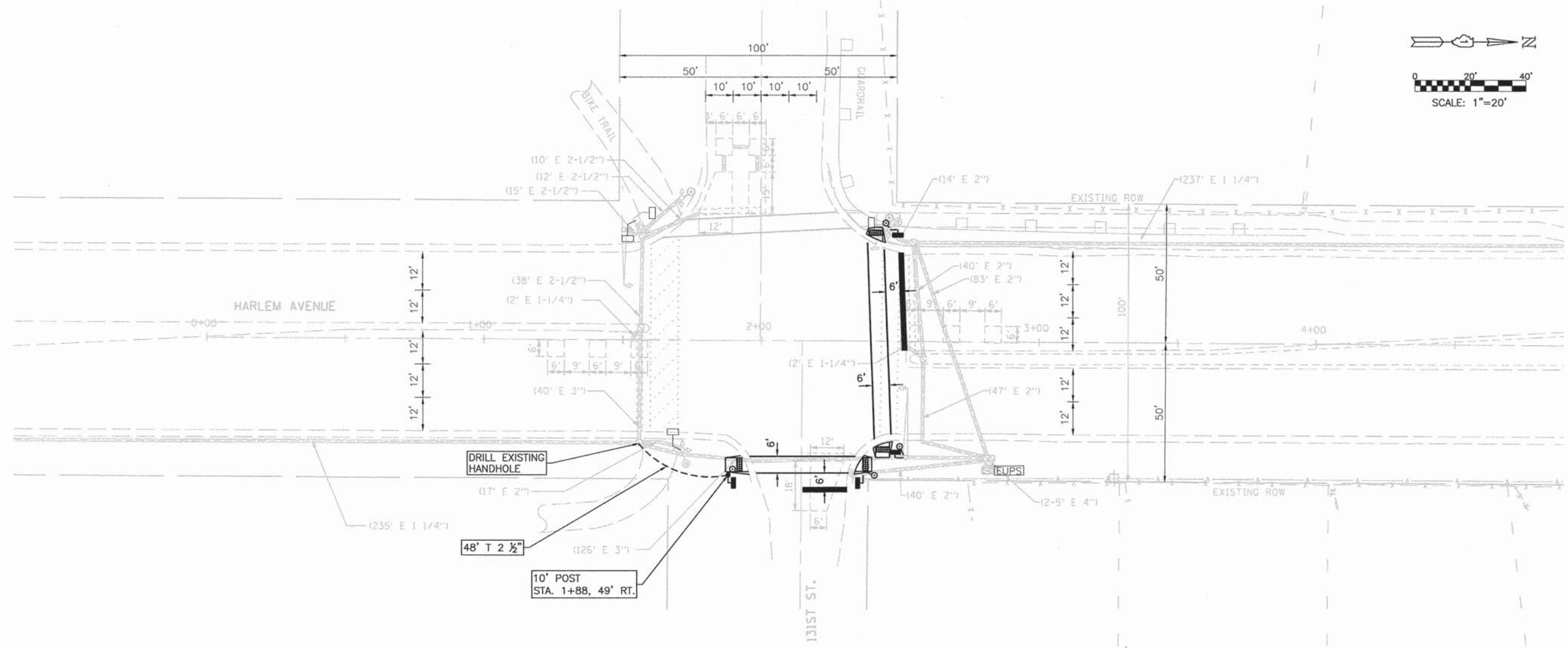
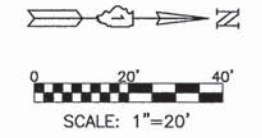
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	16	135	12	0.10	19.20
PED. SIGNAL		90	25	1.00	
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN		84		0.05	
VEH. DETECTION					
FLASHER		135	25	0.50	
ENERGY COSTS TO:				TOTAL =	415.20
ENERGY SUPPLY CONTACT: CITY OF PALOS HEIGHTS 7607 W. COLLEGE DRIVE PALOS HEIGHTS, IL. 60463 PHONE: COMPANY: COMMONWEALTH EDISON					

SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
2041	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
2083	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
8	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER
2	EACH	DRILL EXISTING HANDHOLE
55	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT
8	FOOT	CONCRETE FOUNDATION, TYPE A
1	EACH	MODIFY EXISTING CONTROLLER CABINET
87	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C

PLOT DATE: May 07, 2015
 FILENAME: H:\14-PH\3009-PLANS-ENG\REV-9\2014-PH-3009-Rte 83 - Ridgeland Cable Plan.dwg

TS #3505



PLOT DATE: May 07, 2015
 FILENAME: \\14-PK-3009\PLANS-ENR\SEV-02014-PK-3009-Harlem-131st-Street-Signal-Modifications.dwg

TS #2230

USER NAME =	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE =	CHECKED - AS	REVISED -
PLOT DATE = May 07, 2015	DATE -	REVISED -

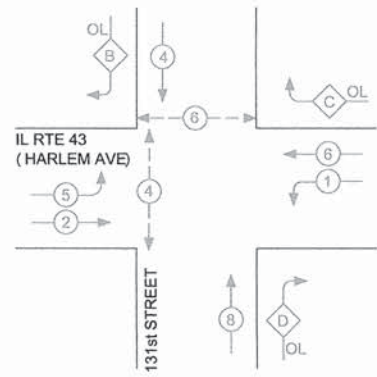
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
HARLEM AVE & 131st STREET SIGNAL MODIFICATIONS

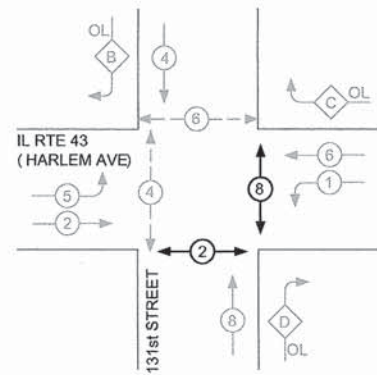
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	25
			CONTRACT NO. 61B59	
ILLINOIS FED. AID PROJECT				

SCALE: 1"=20' SHEET NO. 25 OF 64 SHEETS STA. TO STA.

EXISTING PHASE DESIGNATION DIAGRAM



PROPOSED PHASE DESIGNATION DIAGRAM



EXISTING CONTROLLER SEQUENCE

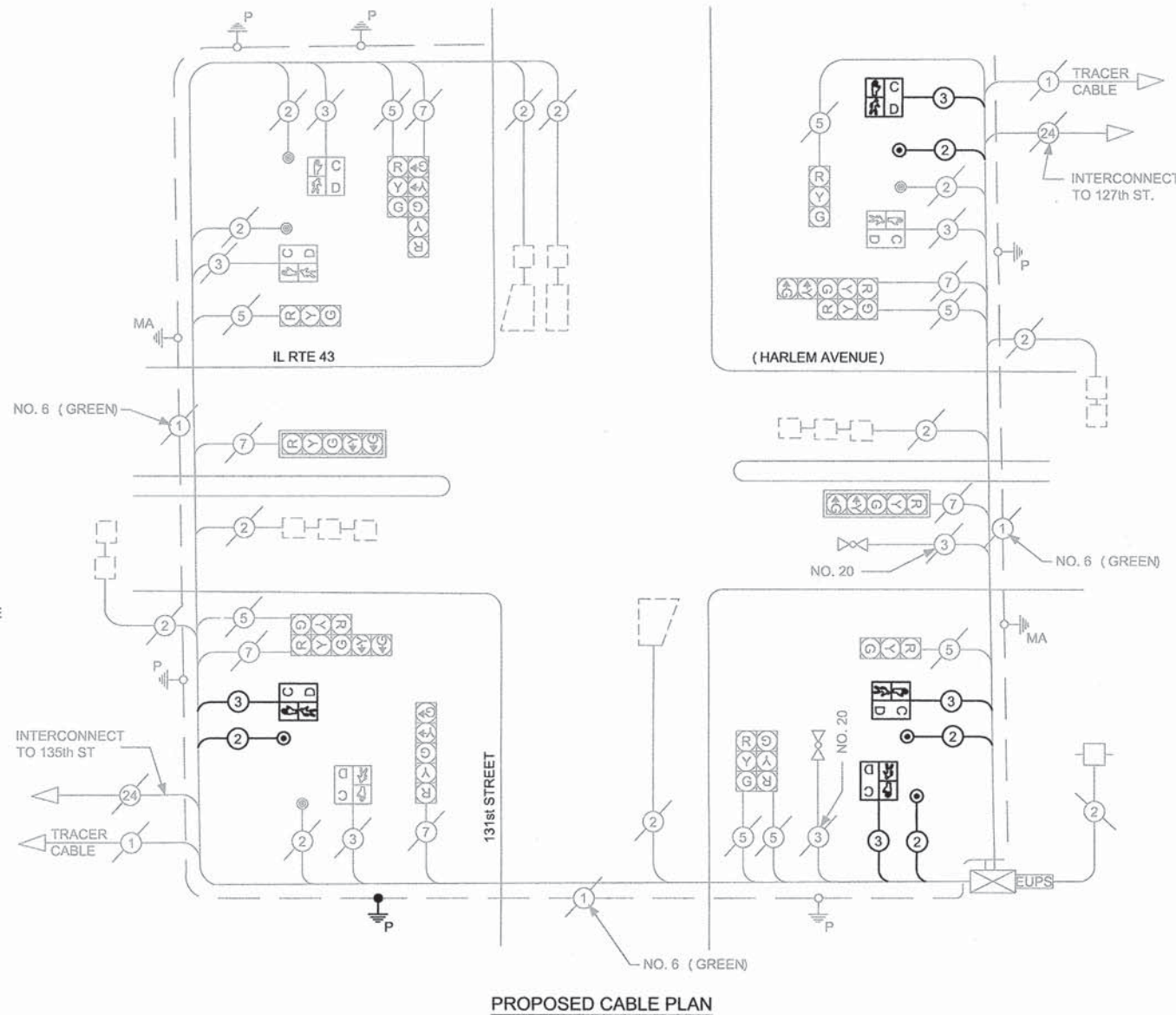
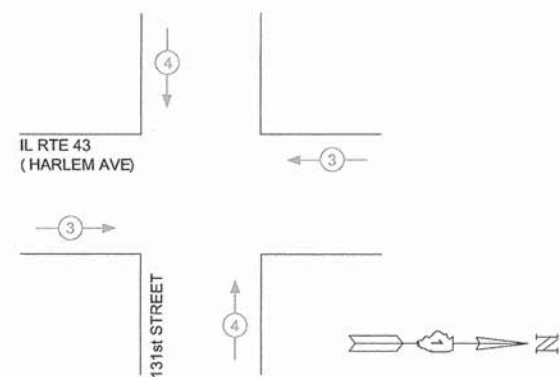
OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
B =	4 +	5

PROPOSED CONTROLLER SEQUENCE

LEGEND

- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- EXISTING PEDESTRIAN PHASE
- PROPOSED PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	17		0.50	119.00
(YELLOW)	14	25		0.25	87.50
(GREEN)	14	15		0.25	52.50
ARROW	12		12	0.10	14.40
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN				0.05	
VEH. DETECTION			5	1.00	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	573.40
CITY OF PALOS HEIGHTS 7607 W. COLLEGE DRIVE PALOS HEIGHTS, IL. 60463					
ENERGY SUPPLY CONTACT:					
PHONE:					
COMPANY: COMMONWEALTH EDISON					

SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
705.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
720.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER
48	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT
4	FOOT	CONCRETE FOUNDATION, TYPE A
1	EACH	MODIFY EXISTING CONTROLLER CABINET
64	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C

PLOT DATE: May 07, 2015
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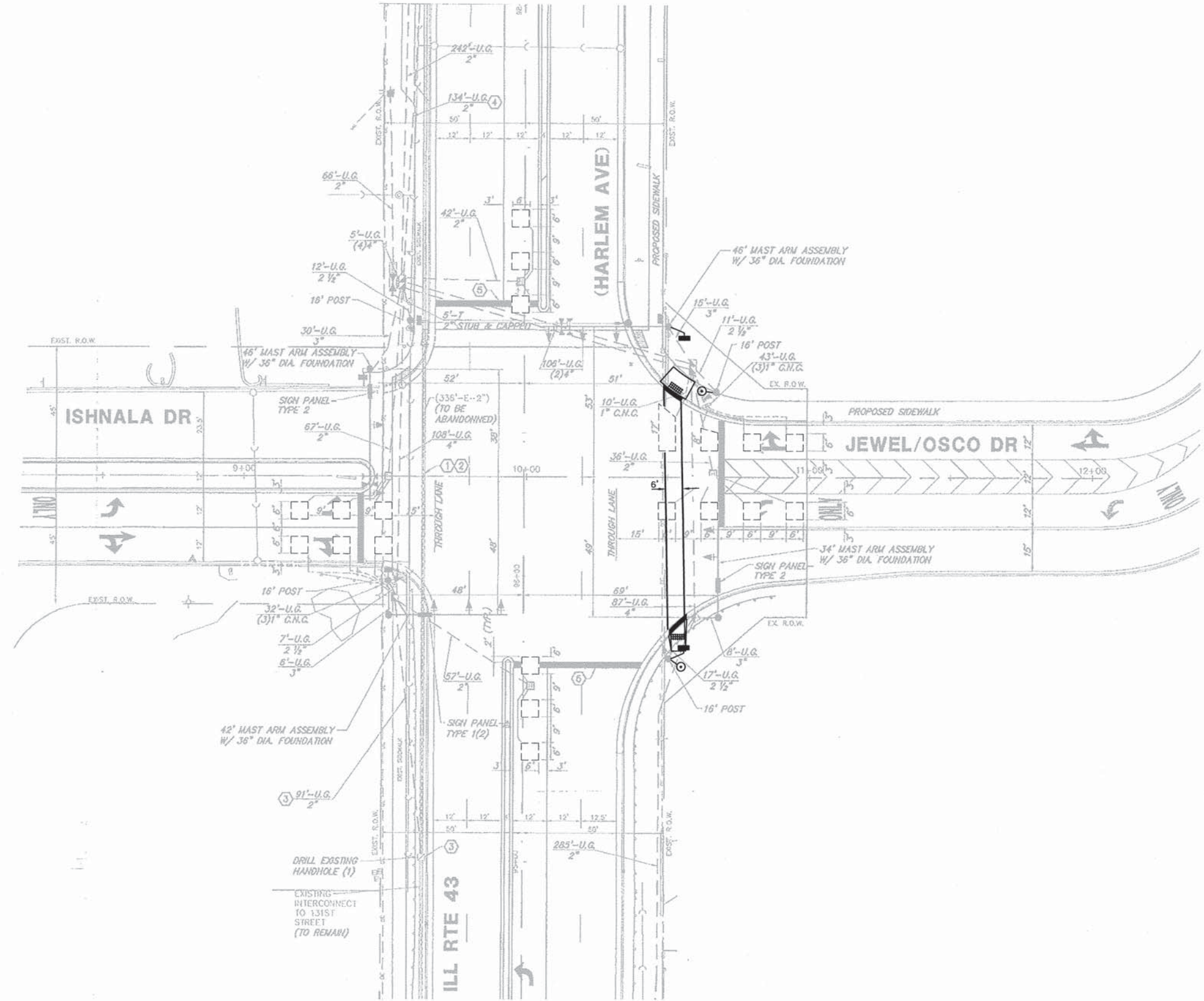
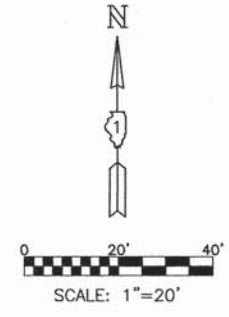
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PLOT SCALE =	DRAWN - DJB	REVISED -
PLOT DATE = May 07, 2015	CHECKED - AS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION
IL. 43 (HARLEM AVE.) AND 131st. STREET

SCALE: N/A SHEET NO. 26 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	26
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



PLOT DATE: May 07, 2015
 FILENAME: H:\14-PH\3009\PLANS-ENG\REV-01\2014-PH-3009-Harlem-Ishnala-Traffic-Sig-Mod.dwg

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PLOT DATE	DATE -	REVISED -

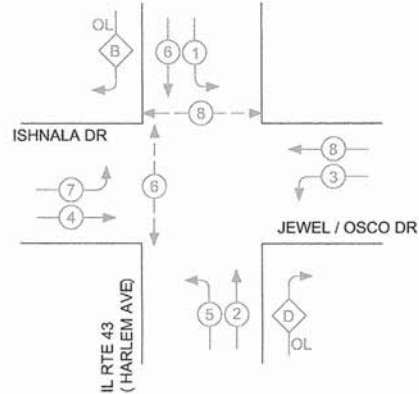
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
HARLEM AVENUE & ISHNALA TRAFFIC SIGNAL IMPROVEMENTS

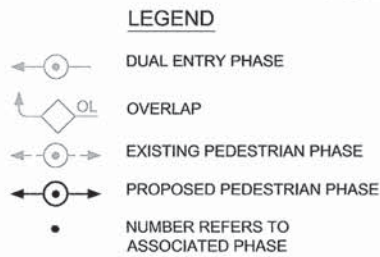
SCALE: 1"=20' SHEET NO. 27 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	27
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				

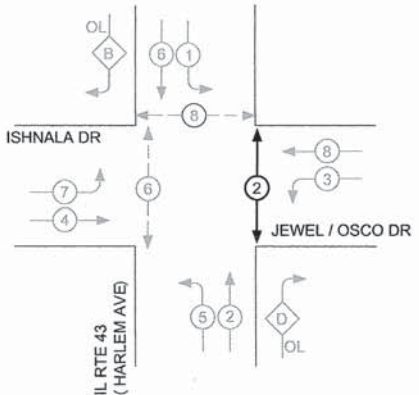
EXISTING PHASE DESIGNATION DIAGRAM



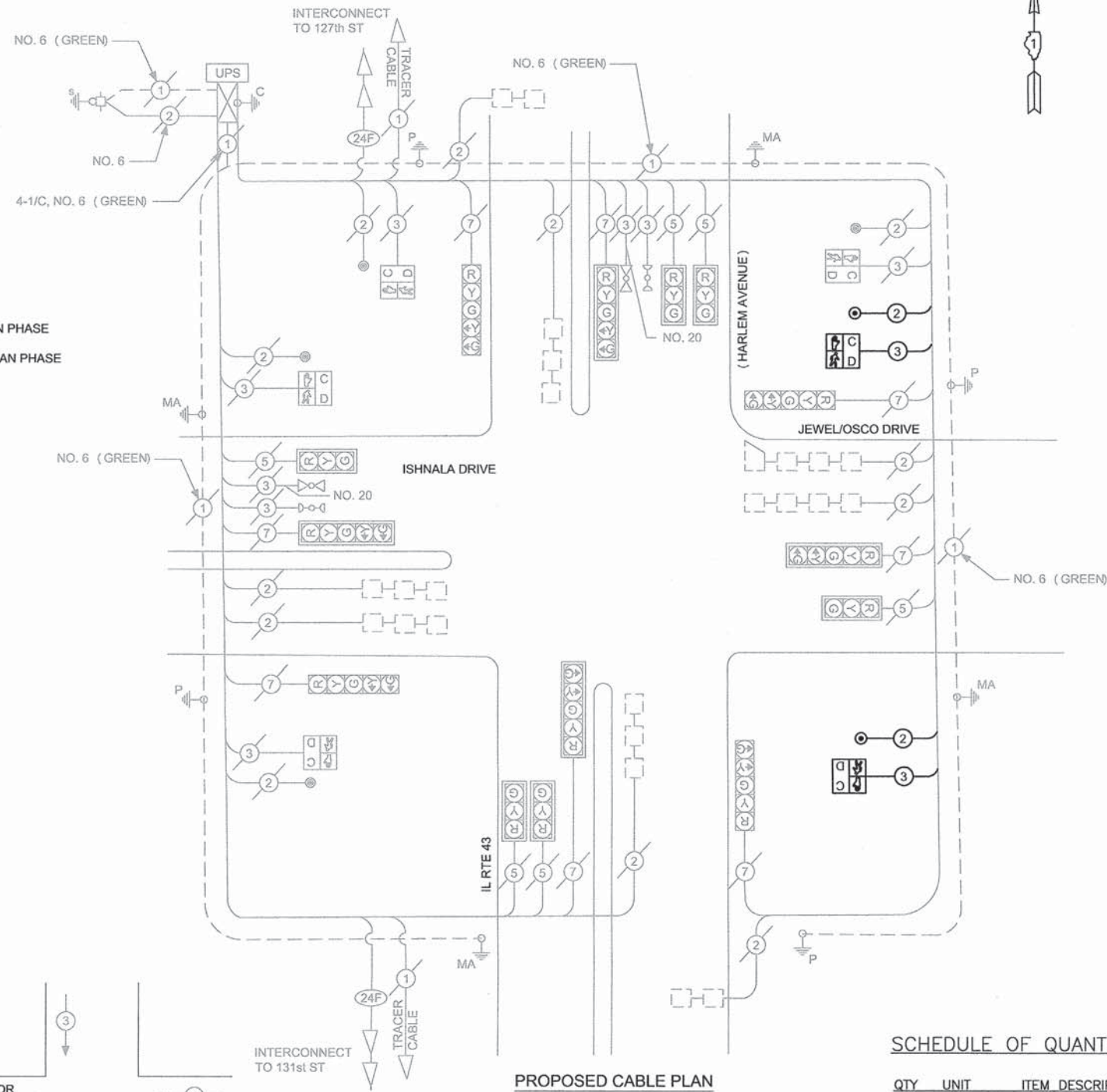
EXISTING CONTROLLER SEQUENCE



PROPOSED PHASE DESIGNATION DIAGRAM



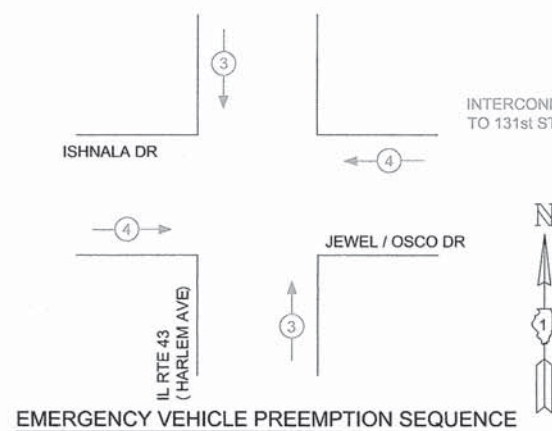
PROPOSED CONTROLLER SEQUENCE



PROPOSED CABLE PLAN

SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
411.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
425.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION



EMERGENCY VEHICLE PREEMPTION SEQUENCE

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	TOTAL WATTAGE	
SIGNAL (RED)	14	135	17	0.50	119.00
(YELLOW)	14	135	25	0.10	35.00
(GREEN)	14	135	15	0.40	84.00
ARROW	16	135	12	0.10	19.20
PED. SIGNAL	4	90	25	1.00	100.00
CONTROLLER	1		100	1.00	100.00
LUMINAIRE			250	0.50	
L.E.D. ST. NAME SIGN			64	0.50	
VIDEO SYSTEM			150	1.00	
BATTERY BACKUP	1		25	1.00	25.00
ENERGY COSTS TO: CITY OF PALOS HEIGHTS 7607 W. COLLEGE DRIVE PALOS HEIGHTS, IL. 60463				TOTAL =	482.20
ENERGY SUPPLY CONTACT: NEW BUSINESS PHONE: (866) 639-3532 COMPANY: COMMONWEALTH EDISON					

USER NAME =	DESIGNED - AS	REVISED -
PLOT SCALE =	DRAWN - DJB	REVISED -
PLOT DATE = May 07, 2015	CHECKED - AS	REVISED -
	DATE -	REVISED -

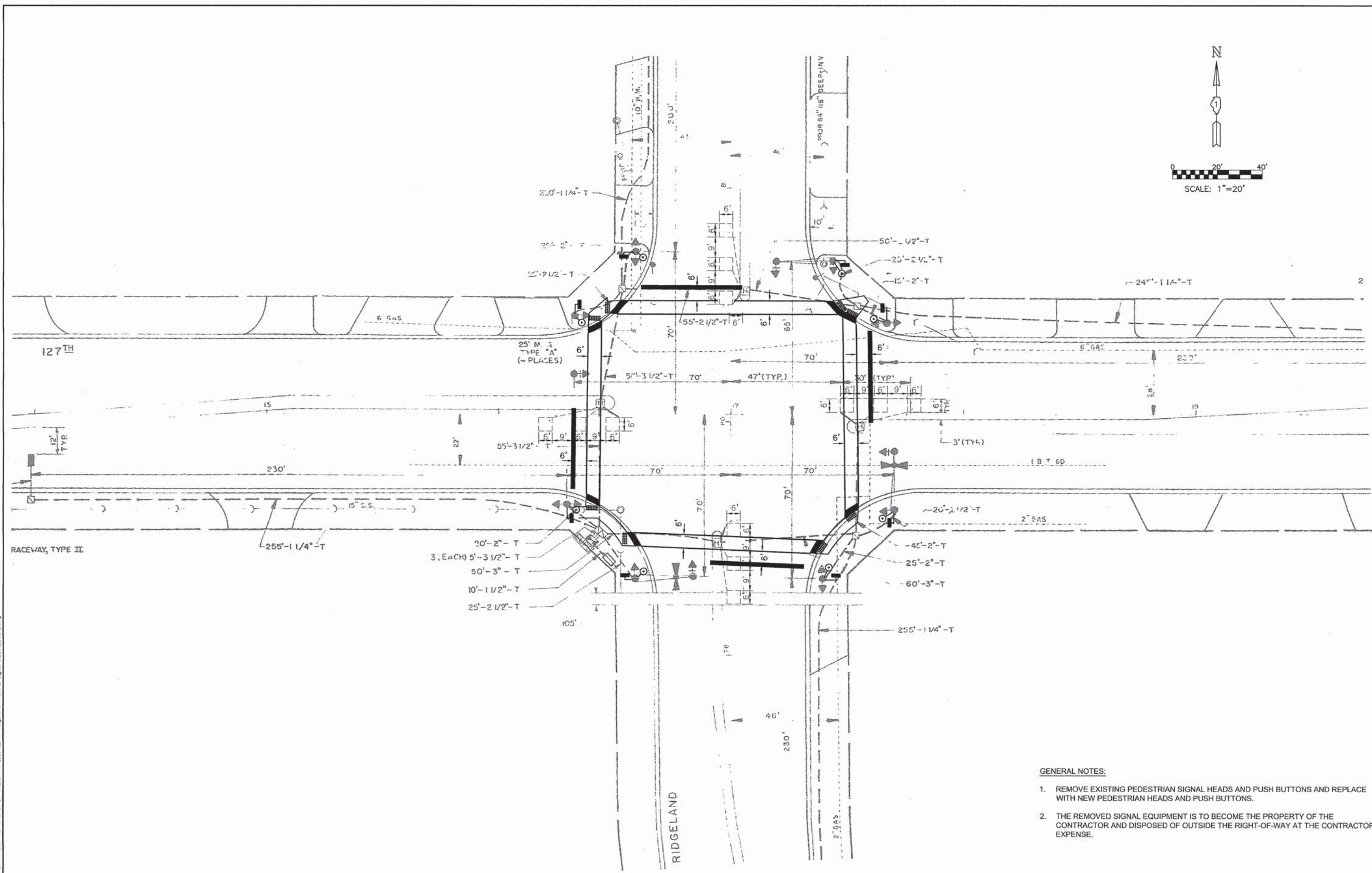
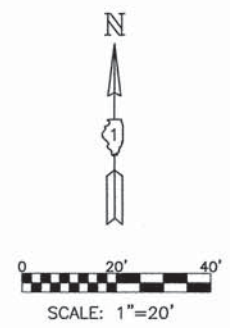
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION
HARLEM AVENUE & ISHNALA DRIVE**

SCALE: N/A SHEET NO. 28 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	28
				CONTRACT NO. 61B59
ILLINOIS FED. AID PROJECT				

PLOT DATE: May 07, 2015
 FILENAME: \\14-PRN\2009\PLANS\END\REV\512014-PRN-2009-Harlem-Ishnala-Cable_Plan.dwg



- GENERAL NOTES:**
1. REMOVE EXISTING PEDESTRIAN SIGNAL HEADS AND PUSH BUTTONS AND REPLACE WITH NEW PEDESTRIAN HEADS AND PUSH BUTTONS.
 2. THE REMOVED SIGNAL EQUIPMENT IS TO BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF OUTSIDE THE RIGHT-OF-WAY AT THE CONTRACTOR'S EXPENSE.

PLOT DATE: May 07, 2015
 FILENAME: H:\14-PH\3009-PLANS-ENG\REV-0\2014-PH-3009-127th-Ridgeland-Traffic-Signal-Modifications.dwg

USER NAME =	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE =	CHECKED - AS	REVISED -
PLOT DATE = May 07, 2015	DATE -	REVISED -

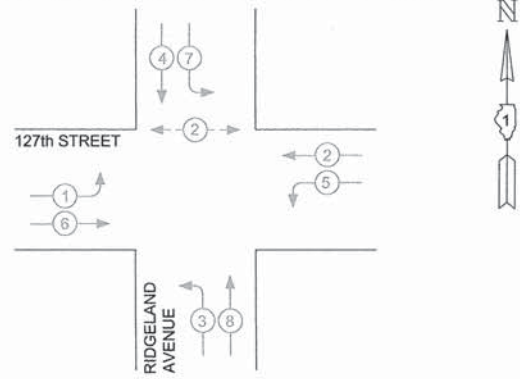
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
 127th & RIDGELAND AVENUE TRAFFIC SIGNAL MODIFICATIONS**

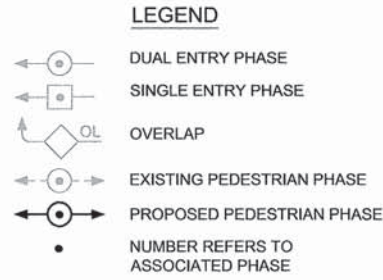
SCALE: 1"=20' SHEET NO. 29 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	29
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	

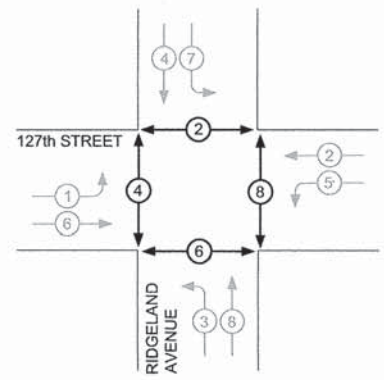
EXISTING PHASE DESIGNATION DIAGRAM



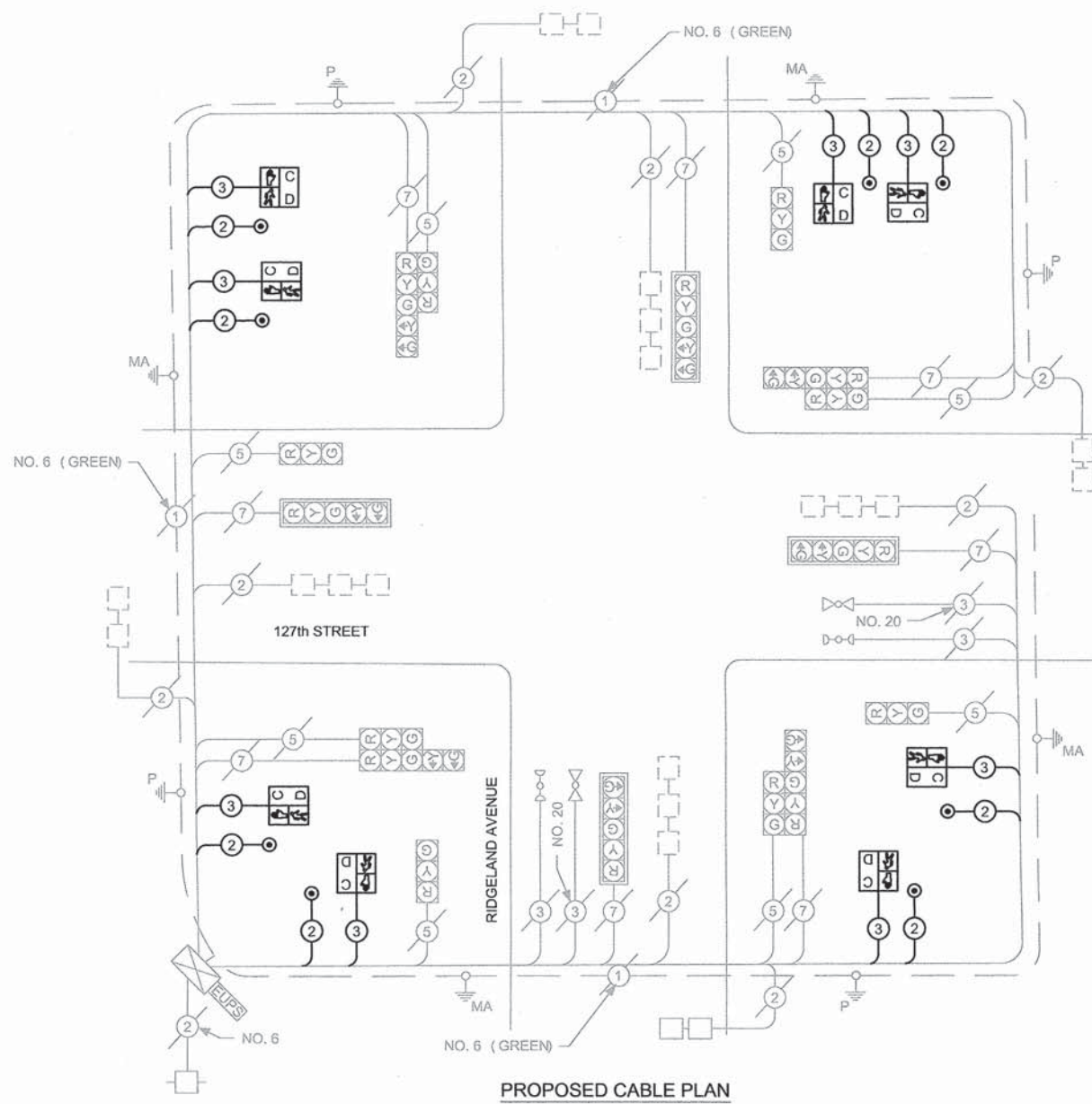
EXISTING CONTROLLER SEQUENCE



PROPOSED PHASE DESIGNATION DIAGRAM

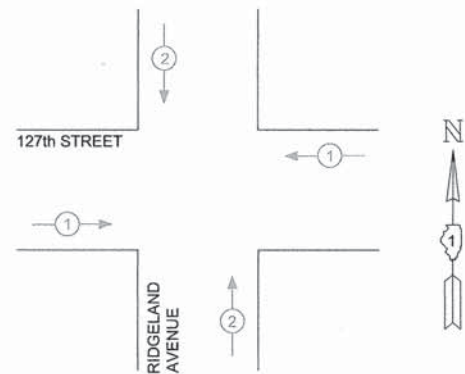


PROPOSED CONTROLLER SEQUENCE



PROPOSED CABLE PLAN

EMERGENCY VEHICLE PREEMPTION SEQUENCE



SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1295	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1351	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
8	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	MODIFY EXISTING CONTROLLER CABINET

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	17		0.50	136.00
(YELLOW)	16	25		0.25	100.00
(GREEN)	16	15		0.25	60.00
ARROW	16	12		0.10	19.20
PED. SIGNAL	8	25		1.00	200.00
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN				0.05	
VEH. DETECTION		5		1.00	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	615.20
CITY OF PALOS HEIGHTS 7607 W. COLLEGE DRIVE PALOS HEIGHTS, IL. 60463					
ENERGY SUPPLY CONTACT: PHONE: COMPANY: COMMONWEALTH EDISON					

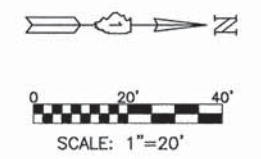
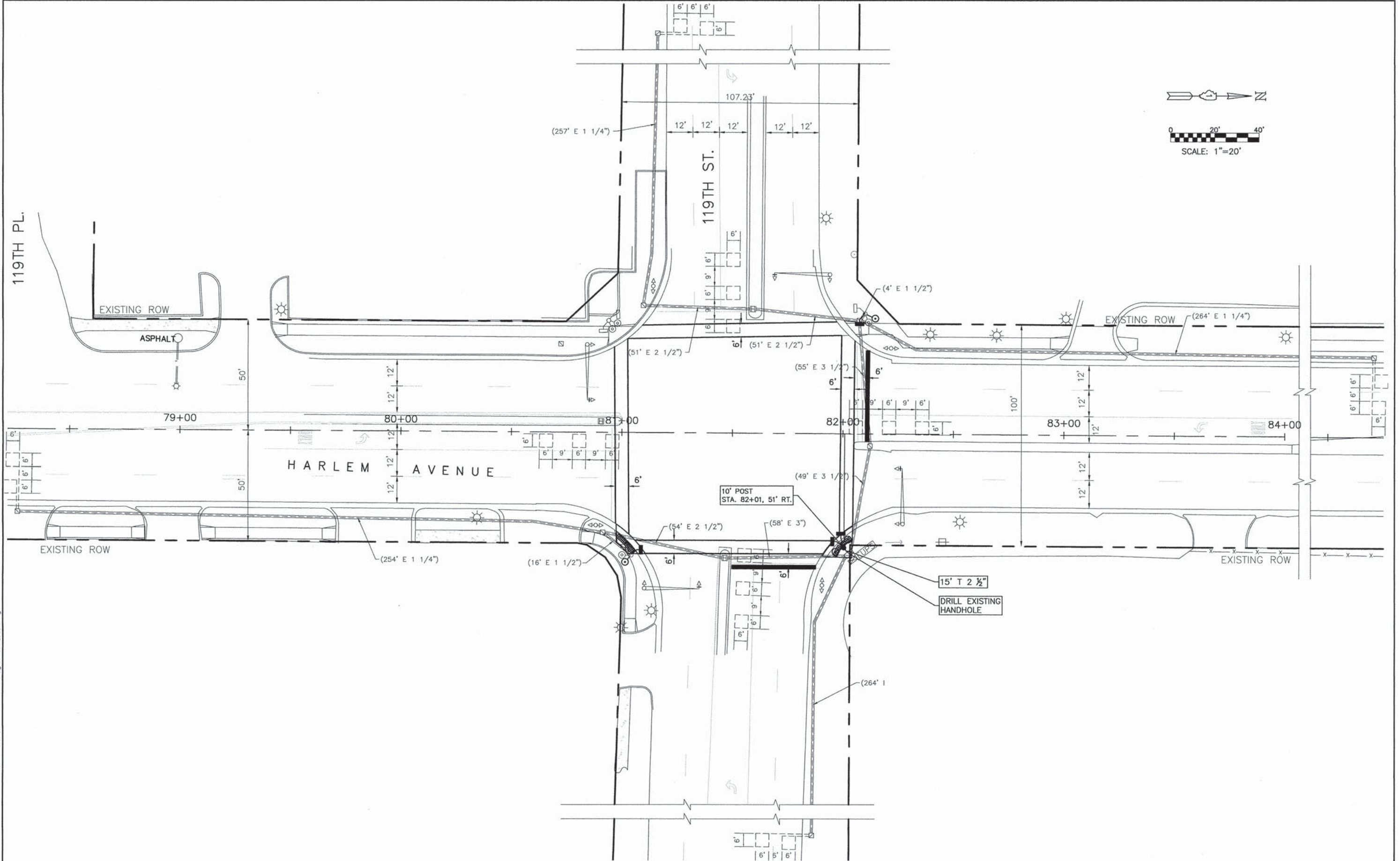
USER NAME =	DESIGNED - AS	REVISED -
PLOT SCALE =	DRAWN - DJB	REVISED -
PLOT DATE = May 07, 2015	CHECKED - AS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION
127th STREET & RIDGELAND AVENUE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	30
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				

PLOT DATE: May 07, 2015
FILENAME: H:\14-PRV\3009\PLANS-ENG\REV\5\2014-PRV-3009-127th - Ridgeland Cable Plan.dwg



PLOT DATE: May 07, 2015
 FILENAME: \\s14-phx3009\PLANS-ENG\REV-n2014-phx3009-119th-Harlem-Traffic-Signal-Mod\Plan.dwg

USER NAME =	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE =	CHECKED - AS	REVISED -
PLOT DATE = May 07, 2015	DATE -	REVISED -

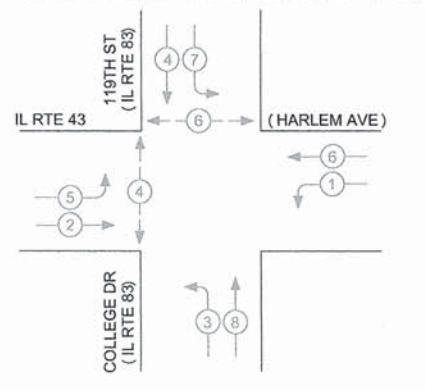
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
119TH ST & HARLEM AVE TRAFFIC SIGNAL MODIFICATIONS

SCALE: 1"=20' SHEET NO. 31 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	31
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	

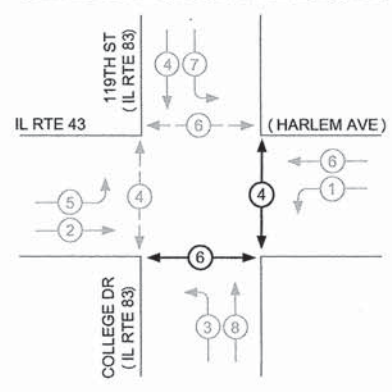
EXISTING PHASE DESIGNATION DIAGRAM



EXISTING CONTROLLER SEQUENCE

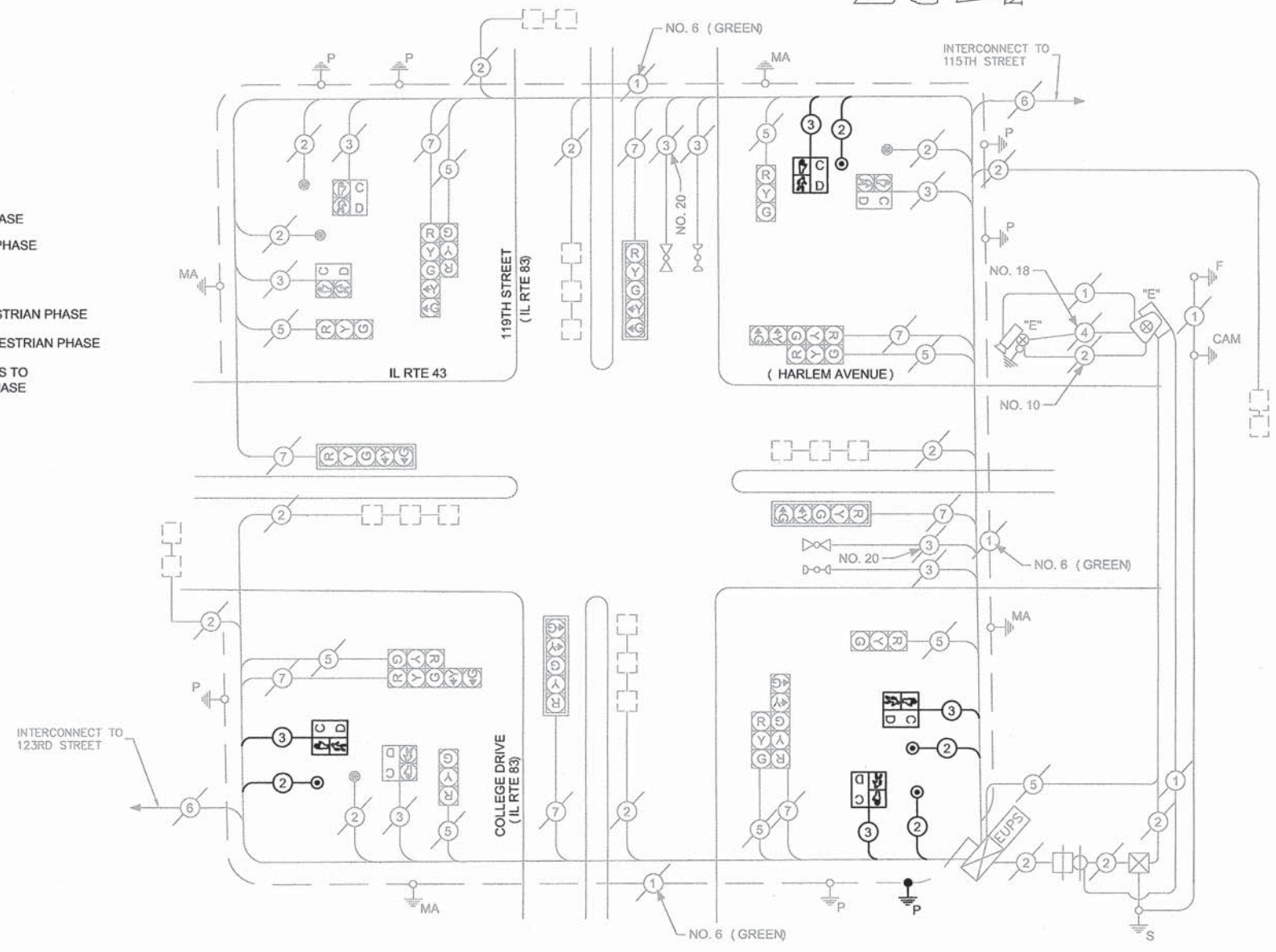
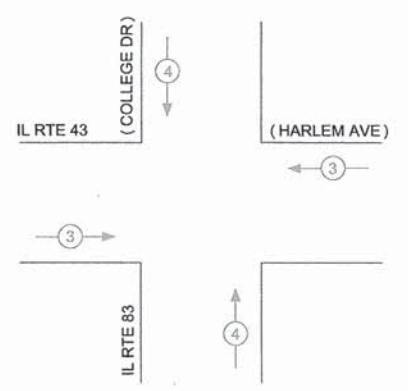
- LEGEND**
- ⊕ DUAL ENTRY PHASE
 - ⊖ SINGLE ENTRY PHASE
 - ⊕ OL OVERLAP
 - ⊕ EXISTING PEDESTRIAN PHASE
 - ⊕ PROPOSED PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE

PROPOSED PHASE DESIGNATION DIAGRAM



PROPOSED CONTROLLER SEQUENCE

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED CABLE PLAN

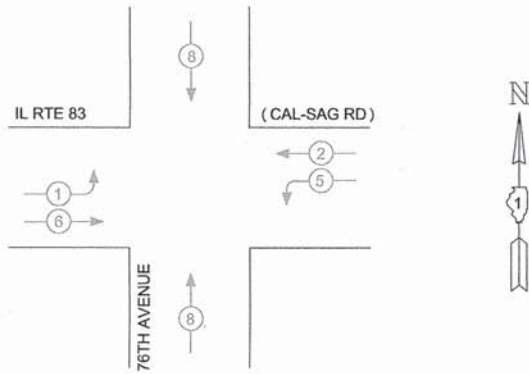
I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	135	17	0.50	136.00
(YELLOW)	16	135	25	0.25	100.00
(GREEN)	16	135	15	0.25	60.00
ARROW	16	135	12	0.10	19.20
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100	100	1.00	100.00
ILLUM. SIGN					
VEH. DETECTION					
FLASHER		135	25	0.50	
ENERGY COSTS TO:				TOTAL =	615.20
CITY OF PALOS HEIGHTS 7607 W. COLLEGE DRIVE PALOS HEIGHTS, IL. 60463					
ENERGY SUPPLY CONTACT:					
PHONE:					
COMPANY: COMMONWEALTH EDISON					

SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
528.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
556.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER CABINET
4	FOOT	CONCRETE FOUNDATION, TYPE A
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	DRILL EXISTING HANDHOLE
15	FOOT	UNDERGROUND CONDUIT GALVANIZED STEEL 2 1/2" DIA.
31	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C

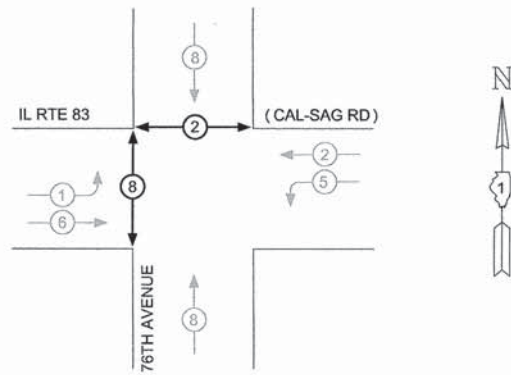
PLOT DATE: May 07, 2015
 FILENAME: H:\14-PH\2009\PLANS-ENG\REV-02\14-PH-3009-Harlem-Rte 83 Cable Plan.dwg

EXISTING PHASE DESIGNATION DIAGRAM



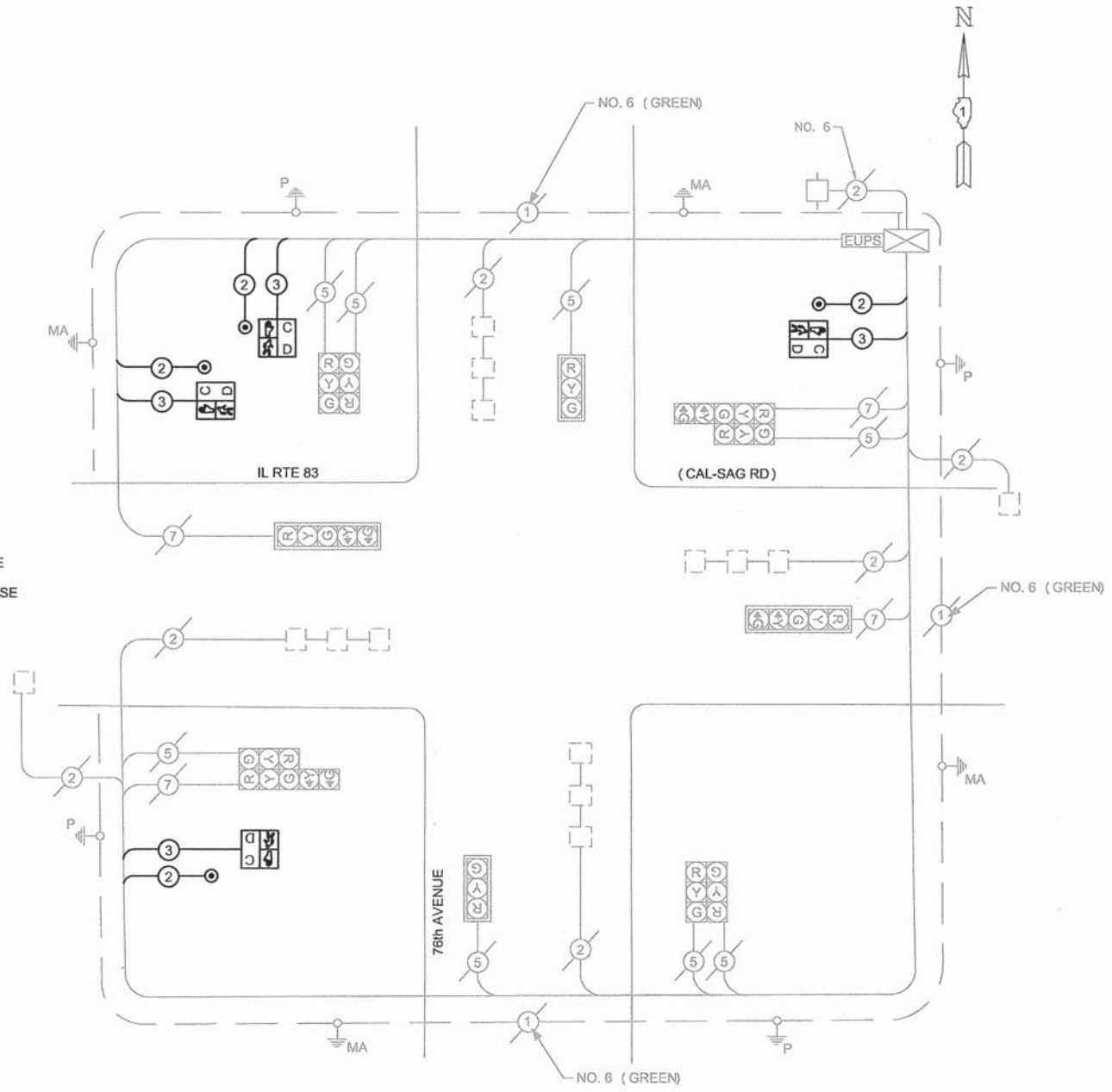
EXISTING CONTROLLER SEQUENCE

PROPOSED PHASE DESIGNATION DIAGRAM



PROPOSED CONTROLLER SEQUENCE

- LEGEND**
- ⊙ VEHICULAR MOVEMENT
 - ⊠ SINGLE ENTRY PHASE
 - ⊙➔ EXISTING PEDESTRIAN PHASE
 - ⊙➔➔ PROPOSED PEDESTRIAN PHASE
 - NUMBER REFERS TO ASSOCIATED PHASE



PROPOSED CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17	0.50		102.00
(YELLOW)	12	25	0.25		75.00
(GREEN)	12	15	0.25		45.00
ARROW	8	12	0.10		9.60
PED. SIGNAL	4	25	1.00		100.00
CONTROLLER	1	100	1.00		100.00
ILLUM. SIGN				0.05	
VEH. DETECTION		5	1.00		
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	431.60
CITY OF PALOS HEIGHTS 7607 W. COLLEGE DRIVE PALOS HEIGHTS, IL. 60463					
ENERGY SUPPLY CONTACT:					
PHONE:					
COMPANY: COMMONWEALTH EDISON					

SCHEDULE OF QUANTITIES

QTY	UNIT	ITEM DESCRIPTION
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
435.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
435.5	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
4	EACH	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	MODIFY EXISTING CONTROLLER
1	EACH	MODIFY EXISTING CONTROLLER CABINET

PLOT DATE: May 07, 2015
 FILENAME: H:\14-PH\0095PLANS-ENG\REV-02014-PH-3009-119th Street-76th Ave Cable Plan.dwg

USER NAME =	DESIGNED - AS	REVISED -
PLOT SCALE =	DRAWN - DJB	REVISED -
PLOT DATE = May 07, 2015	CHECKED - AS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

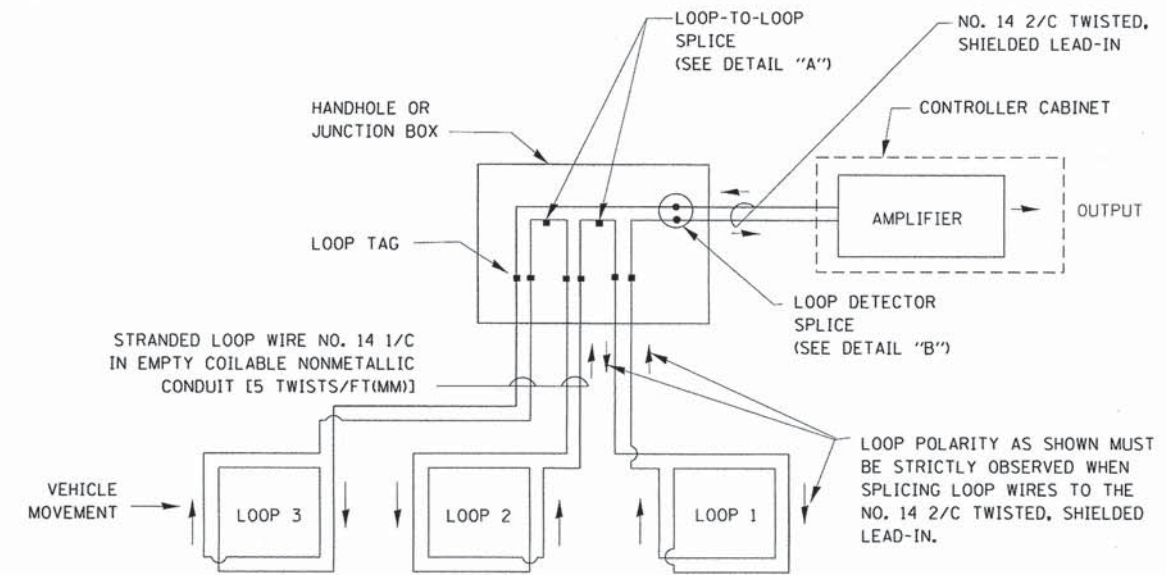
SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION
IL RTE 83 / 119th ST & 76th AVE

SCALE: N/A SHEET NO. 34 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	34
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				

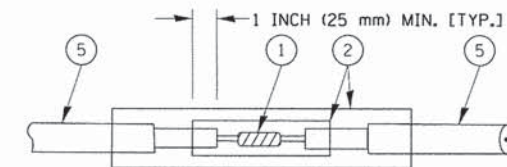
LOOP DETECTOR NOTES

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.

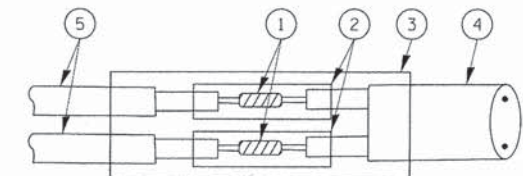


DETECTOR LOOP WIRING SCHEMATIC

- 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.



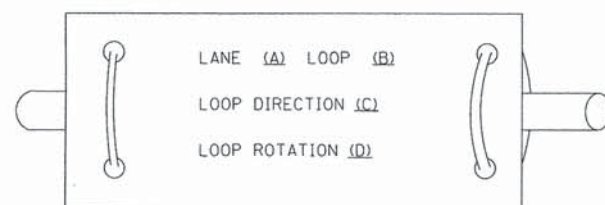
DETAIL "A"
LOOP-TO-LOOP SPLICE



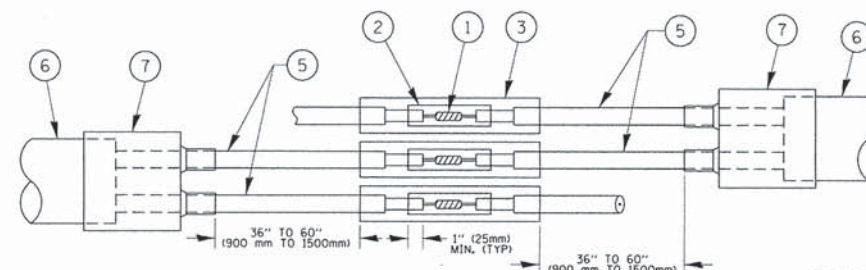
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP

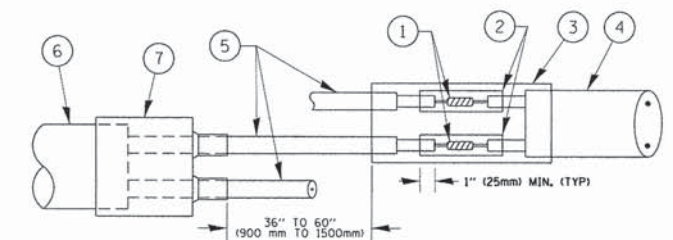
LOOP LEAD-IN CABLE TAG



- 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.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

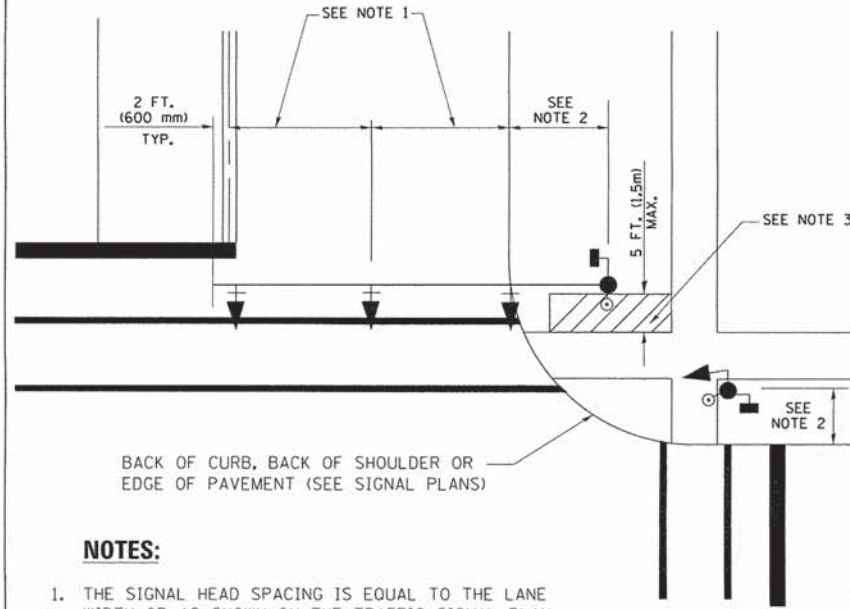
PREFORMED LOOP

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 LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = Footemj	DESIGNED - DAD	REVISED - DAG 1-1-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwwdot\Footemj\0128315\ts05.dgn	DRAWN - BCK	REVISIONS -	348			14-00051-00-SW	COOK	64	35	
PLOT SCALE = 50.0000' / in.	CHECKED - DAD	REVISIONS -	TS-05			CONTRACT NO. 61B59				
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISIONS -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
				SCALE: NONE		SHEET NO. 2 OF 7 SHEETS		STA. TO STA.		

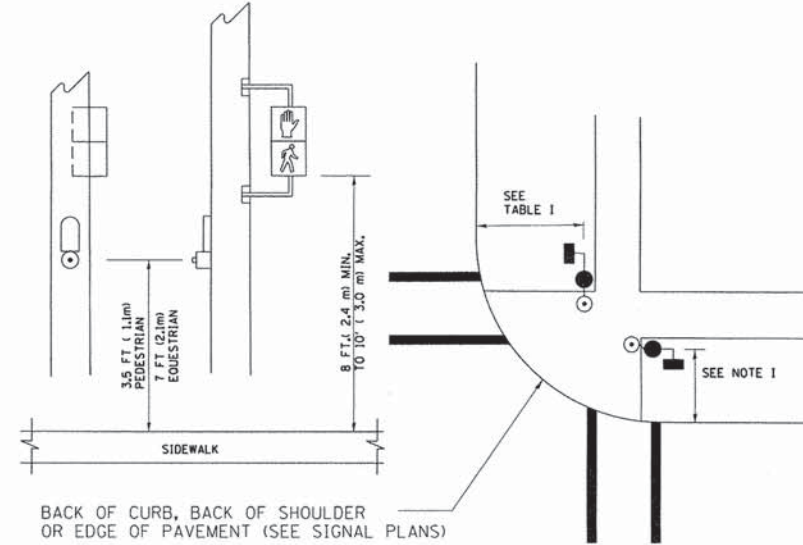
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

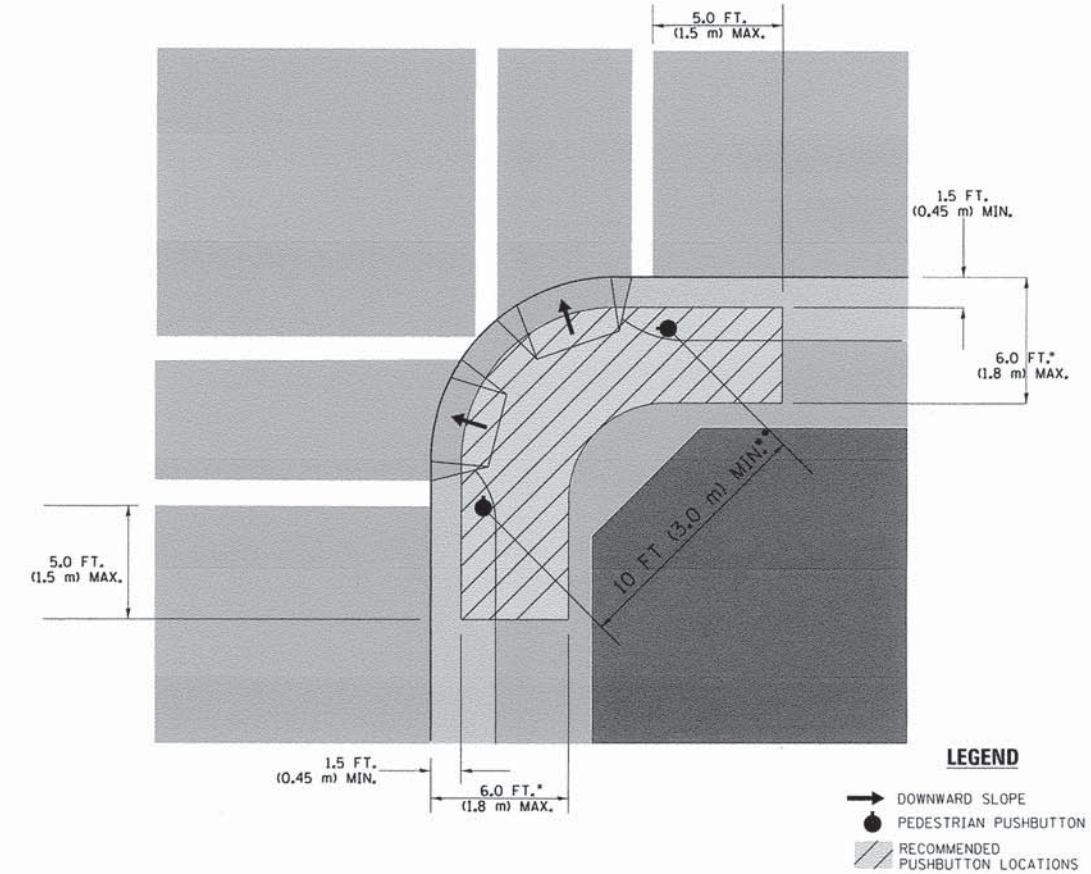
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

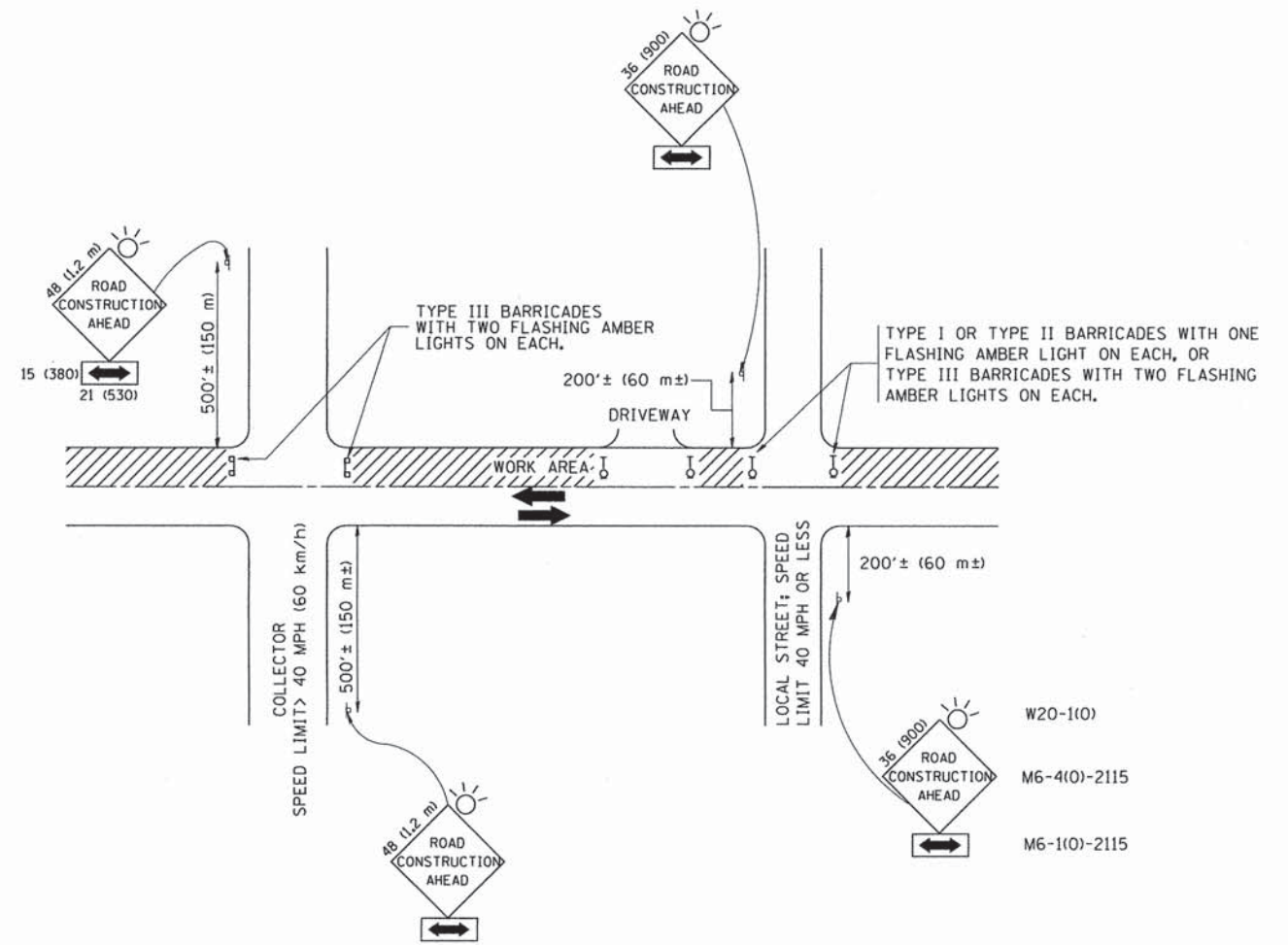
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM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

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE I				RADIO REPEATER							
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

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



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

NOTES:

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

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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

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

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

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

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

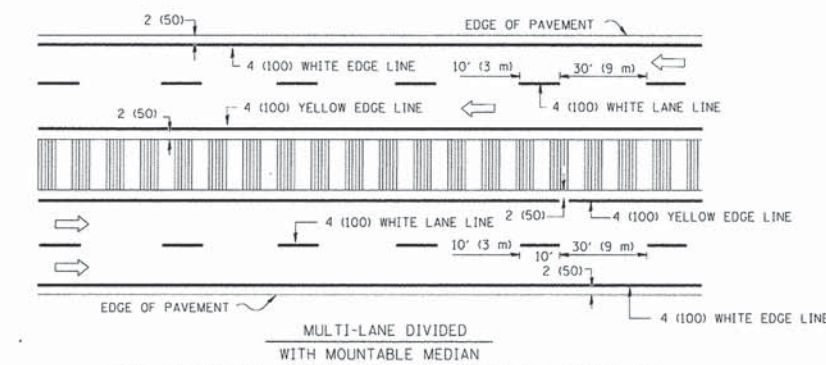
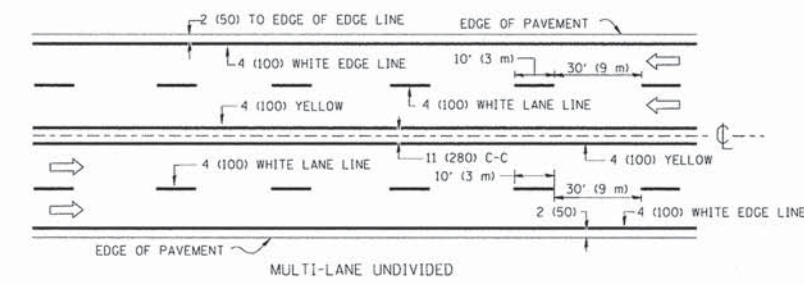
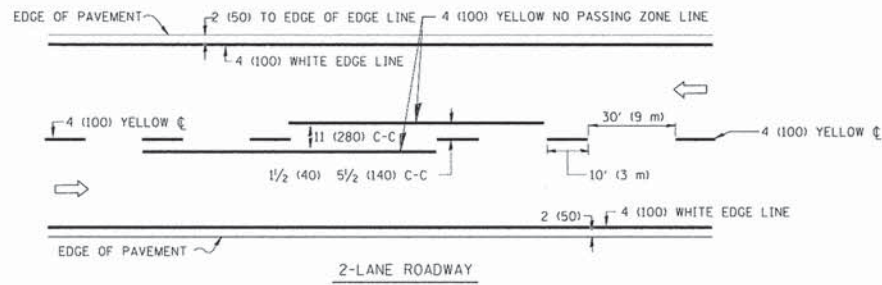
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		PLOT SCALE = 50.000' / IN.	REVISED - A. HOUSEH 10-15-96
		PLOT DATE = 1/4/2008	REVISED - T. RAMMACHER 01-06-00
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

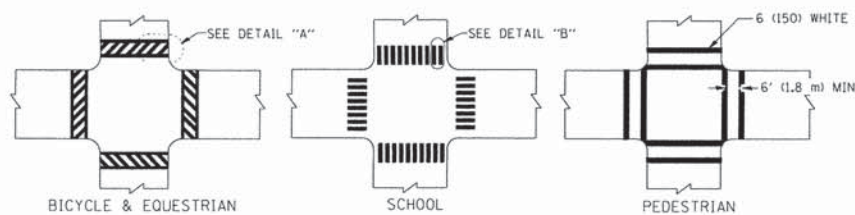
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61B59	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

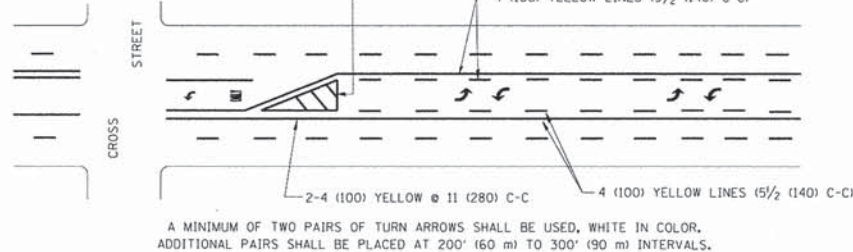
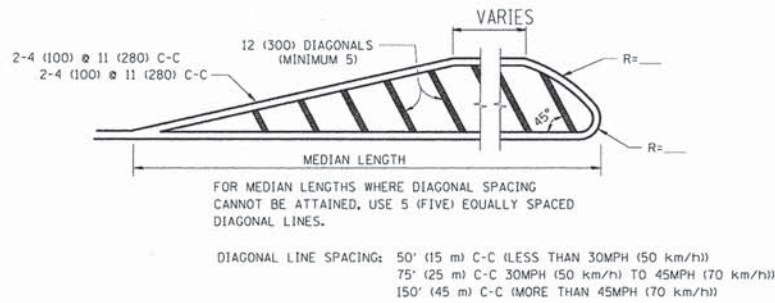
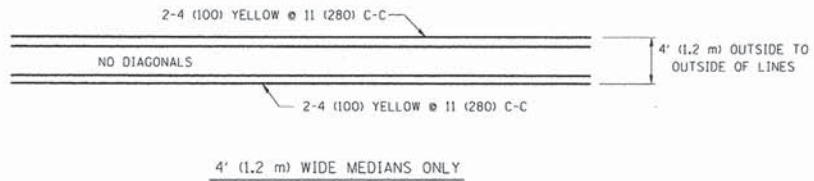


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

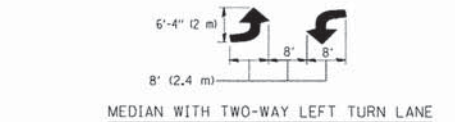
TYPICAL LANE AND EDGE LINE MARKING



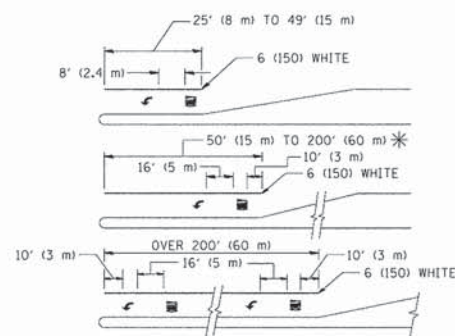
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING

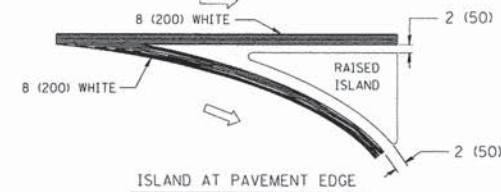
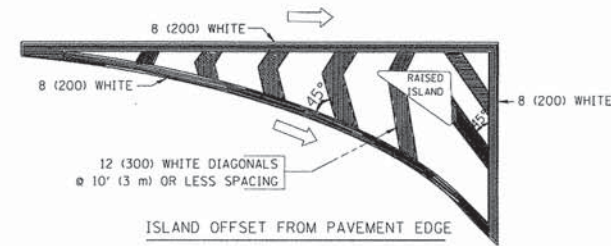


TYPICAL LEFT (OR RIGHT) TURN LANE MARKING



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

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES: FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

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

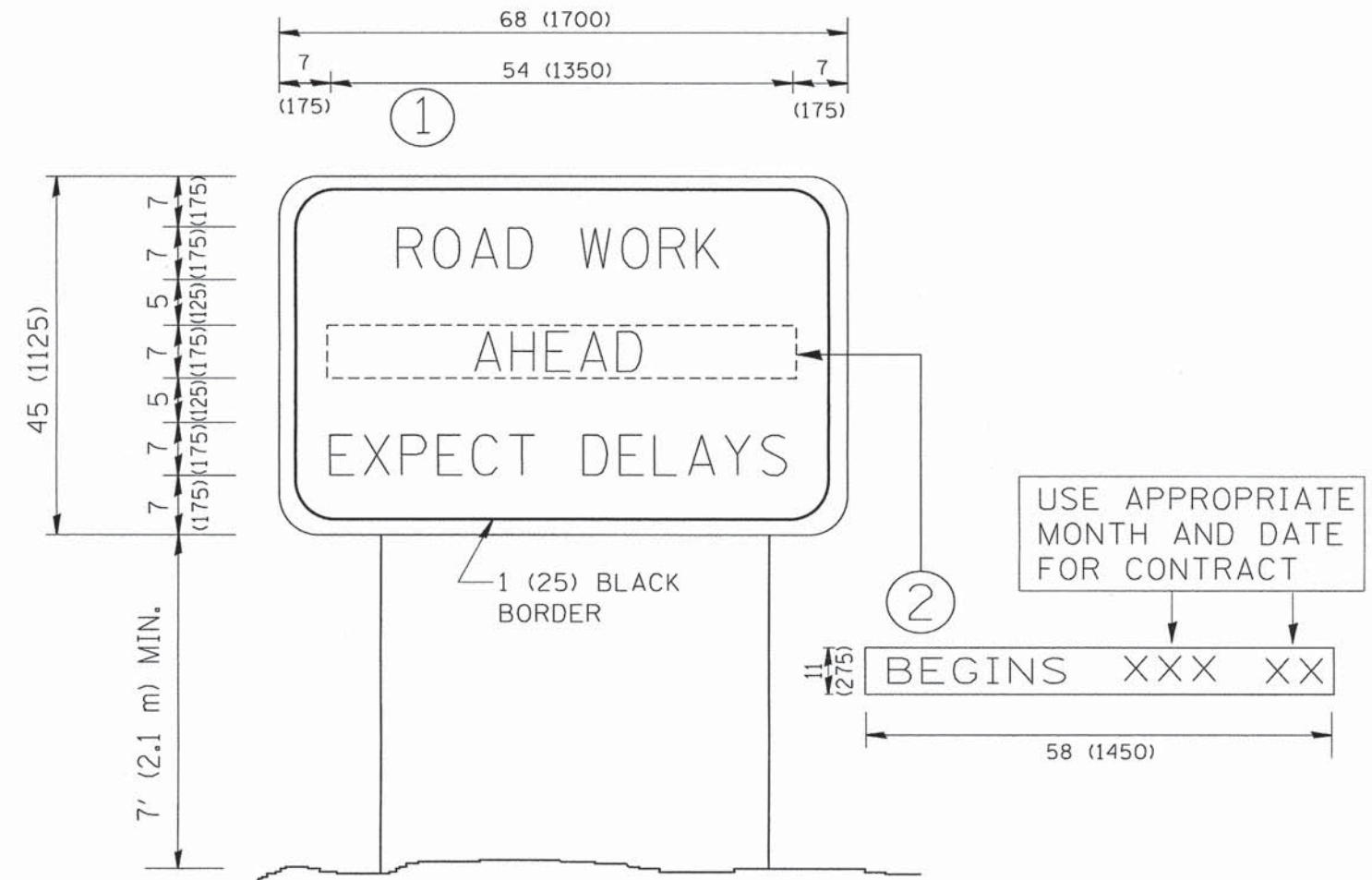
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	40
TC-13			CONTRACT NO. 61B59	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



NOTES:

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

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

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		DRAWN -	REVISED - R. MIRS 12-11-97
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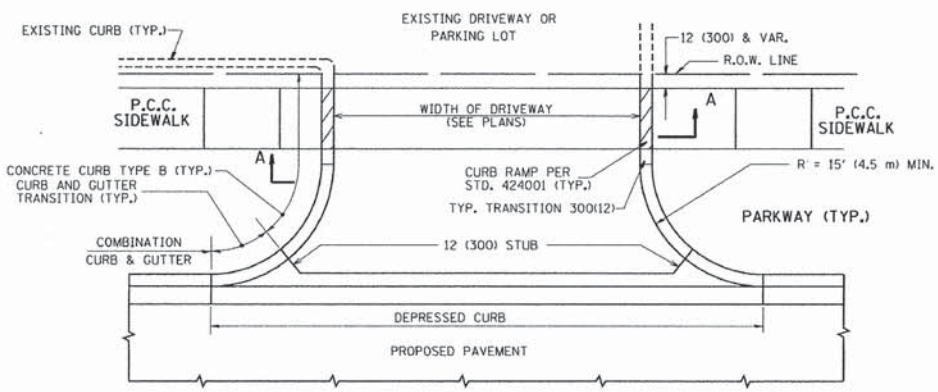
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

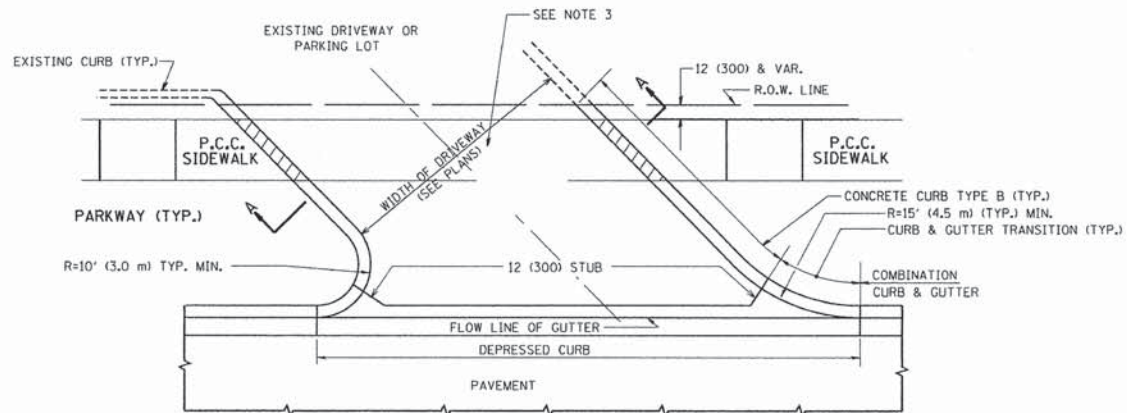
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-22			CONTRACT NO. 61B59	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

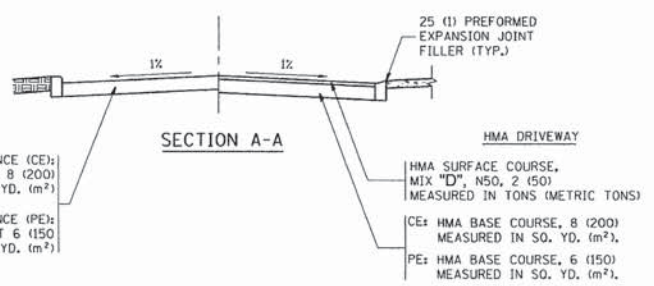
CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B

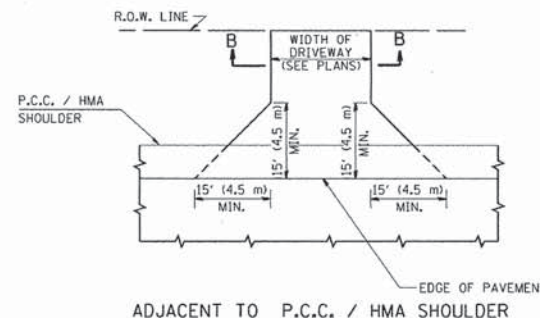


WITH CONCRETE CURB, TYPE B

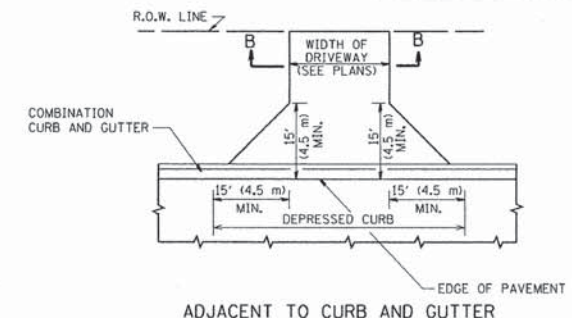


RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

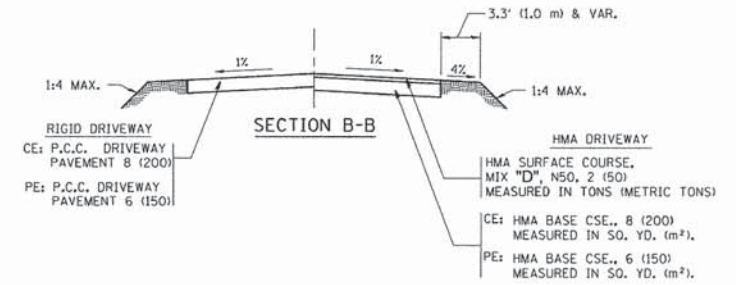
HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE,
 MIX "C", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

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

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

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

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

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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

REVISIONS	
NAME	DATE
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01
P. LAFLEUR	04-15-03
R. BORO	01-01-07
R. BORO	06-11-08

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

SCALE: VERT. NONE
 HORIZ. NONE
 DRAWN BY
 CHECKED BY

BD0156-07 (BD-01)

PLOT DATE = 8/12/2008
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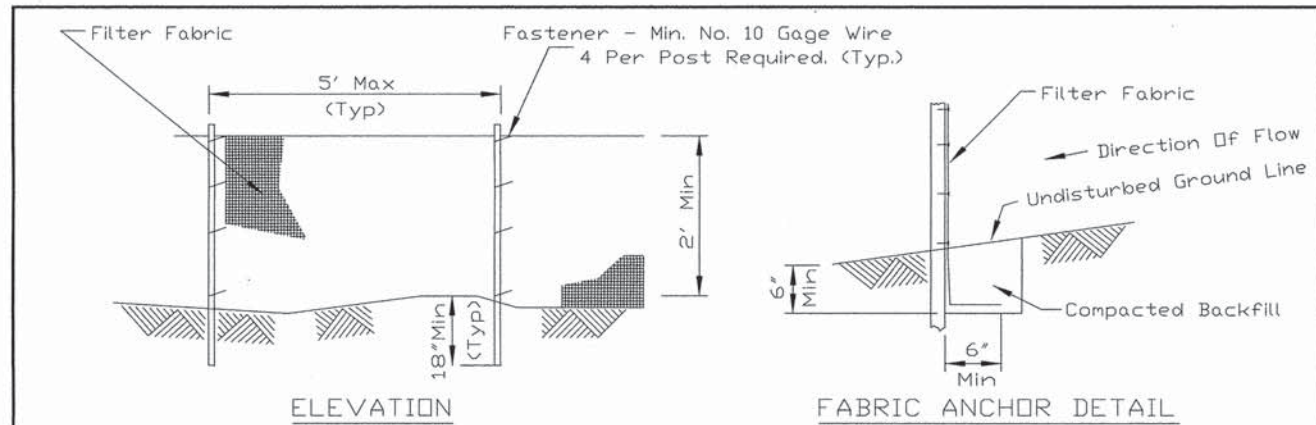
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	DRAWN - DJB	REVISED -
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PLOT DATE = Apr 15, 2015	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
 DETAILS

SCALE: NA SHEET NO. 42 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	42
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				



NOTES:

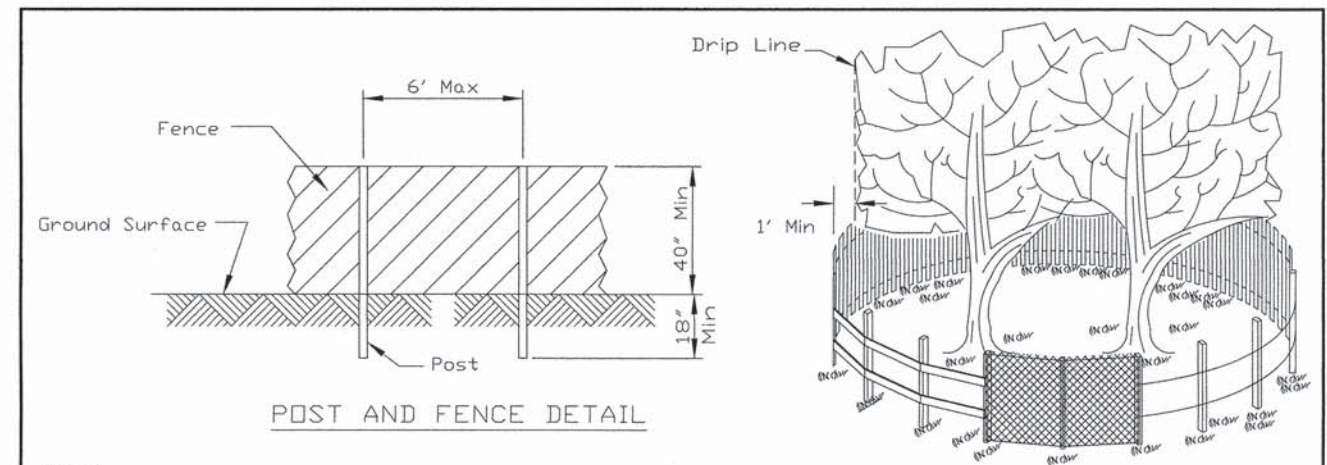
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-620
SHEET 1 OF 2	
DATE	11-20-01

SILT FENCE PLAN
SHEET 1 OF 2



NOTES:

1. The fence shall be located a minimum of 1 foot outside the drip line of the tree to be saved and in no case closer than 5 feet to the trunk of any tree.
2. Fence posts shall be either standard steel posts or wood posts with a minimum cross sectional area of 3.0 sq. in.
3. The fence may be either 40" high snow fence, 40" plastic web fencing or any other material as approved by the engineer/inspector.

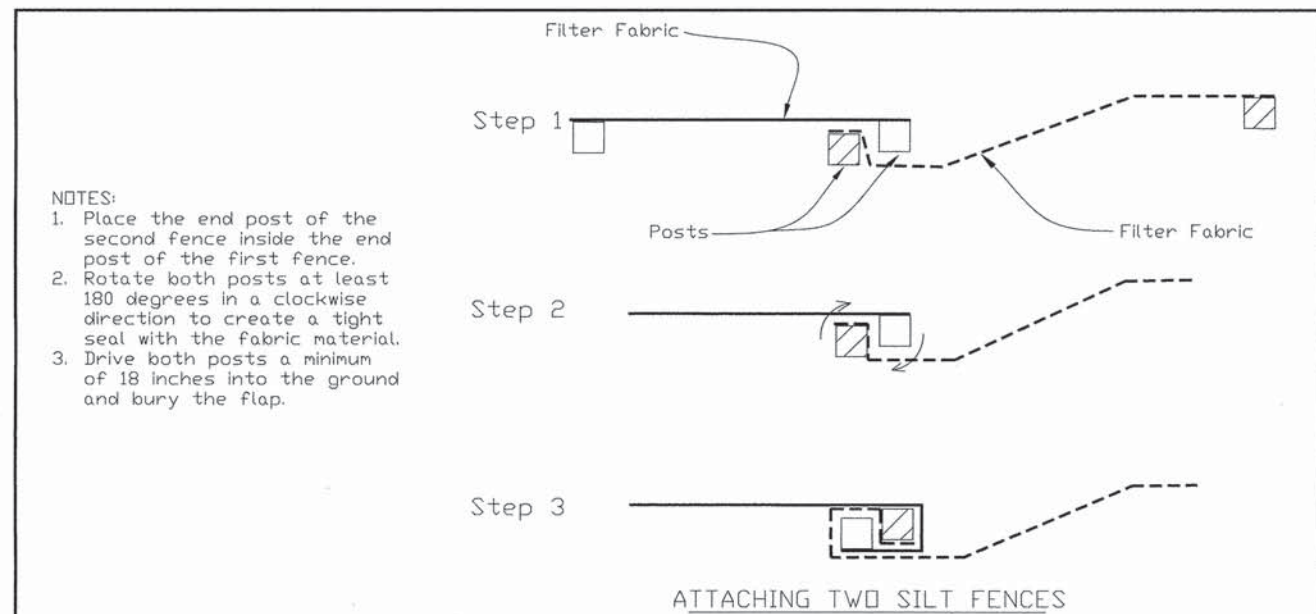
REFERENCE Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-690
SHEET 1 OF 1	
DATE	4-7-94

SIDE VIEW

TREE PROTECTION FENCING



NOTES:

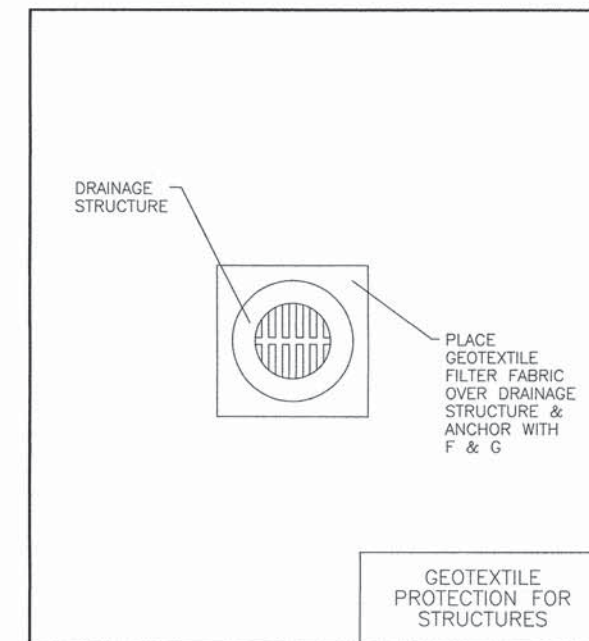
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE Project	_____
Designed	_____ Date _____
Checked	_____ Date _____
Approved	_____ Date _____



STANDARD DWG. NO.	IL-620(W)
SHEET 2 OF 2	
DATE	1-29-99

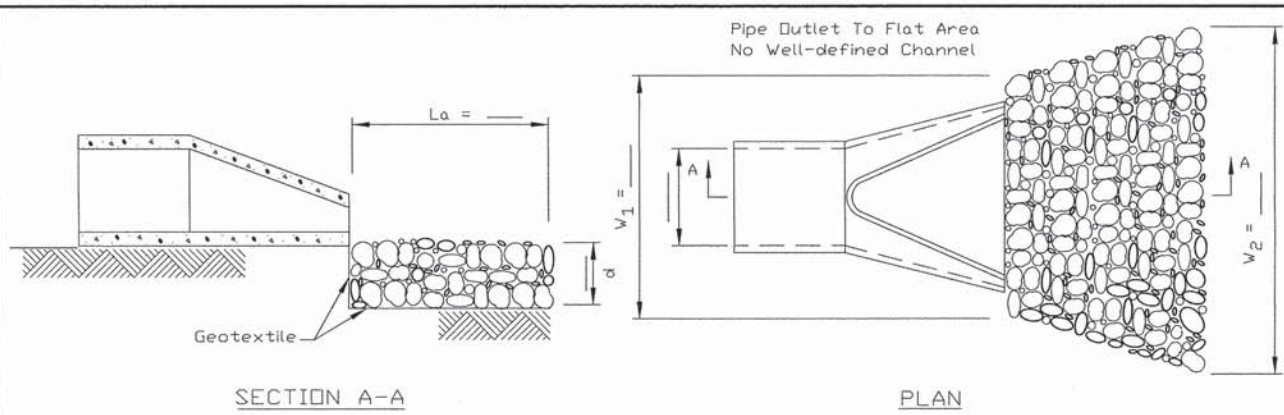
SILT FENCE PLAN
SHEET 2 OF 2



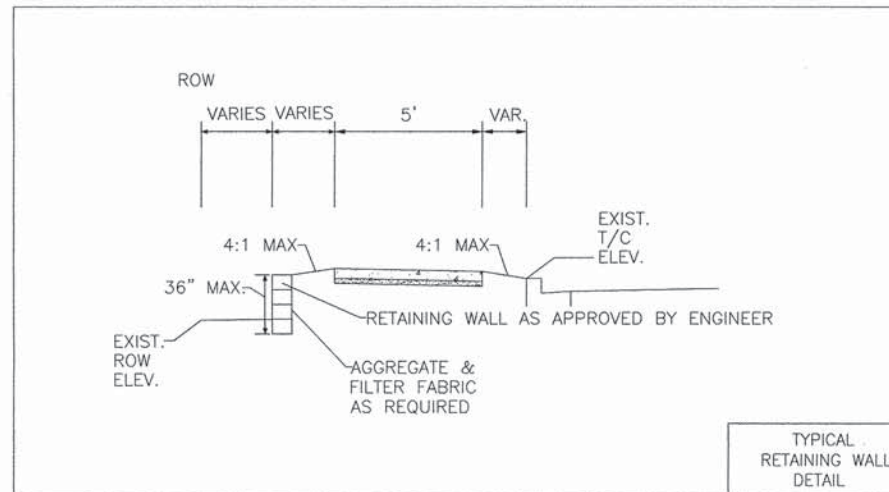
GEOTEXTILE PROTECTION FOR STRUCTURES

PLOT DATE: Apr 15, 2015
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USER NAME = \$USER\$	DESIGNED - AS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = NONE	CHECKED - AS	REVISED -			348	14-00051-00-SW	COOK	64	43
PLOT DATE = Apr 15, 2015	DATE -	REVISED -			CONTRACT NO. 61B59				
					ILLINOIS FED. AID PROJECT				



- NOTES:
1. The filter fabric shall meet the requirements in material specifications 592 GEOTEXTILE Table 1 or 2, class I, II or III.
 2. The rock riprap shall meet the IDOT requirements for the following gradation: RR _____, Quality _____.
 3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.



REFERENCE Project	_____
Designed	Date _____
Checked	Date _____
Approved	Date _____

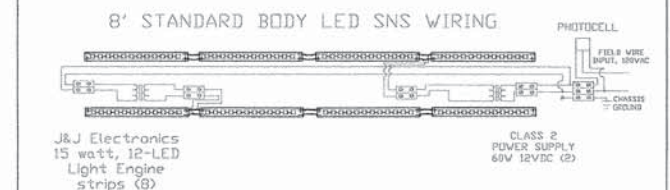
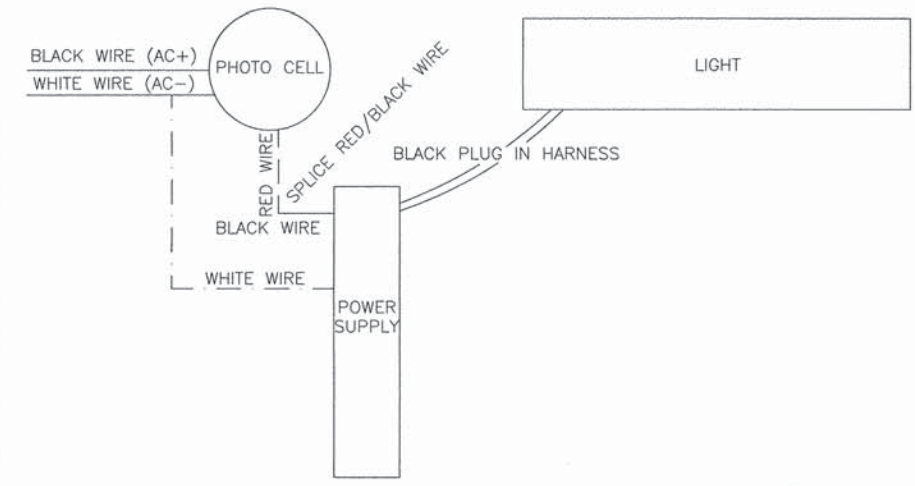


STANDARD DWG. NO.
IL-610
SHEET 1 OF 1
DATE 9-15-93

PIPE OUTLET TO FLAT AREA

Harlem Avenue

City of Palos Heights



- NOTES:
1. INPUT VOLTAGE 120VAC
 2. APPROXIMATELY 120 WATTS
 3. 6' STANDARD BODY STREET NAME SIGNS HAVE TWO LESS 15 WATT STRIP AND DRAW APPROXIMATELY 90 WATTS.

LED STANDARD BODY SNS WIRING DIAGRAM N.T.S.

Table 1
Rock Riprap Sizes and Thickness (Inches)

IDOT Grad. No.	d50	dmax	Min. Blanket Thickness
RR-3 1/	5	10	15
RR-4	9	14	20
RR-5	12	19	28
RR-6	15	22	32
RR-7	18	27	32

1/ Concrete block may be used to replace RR-3

Table 2
Minimum IDOT Rock Sizes and Apron Length (La in feet) for Maximum and Minimum Tailwater Conditions

Culvert Size (Inches)	Min. Tailwater				Max Tailwater			
	5 fps 1/		10 fps 1/		5 fps 1/		10 fps 1/	
	Rock Size	La	Rock Size	La	Rock Size	La	Rock Size	La
12	RR-3	10	RR-3	12	RR-3	12	RR-3	15
18	RR-3	14	RR-4	16	RR-3	12	RR-3	16
24	RR-3	16	RR-4	20	RR-3	14	RR-4	17
30	RR-3	18	RR-4	22	RR-3	16	RR-4	20
36	RR-4	20	RR-5	24	RR-3	16	RR-4	22
48	RR-4	24	RR-6	28	RR-4	20	RR-4	24
60	RR-5	32	RR-6	36	RR-4	22	RR-5	26
72	RR-6	40	RR-6	44	RR-5	24	RR-5	29
96	RR-7	50	RR-7	54	RR-5	26	RR-5	32

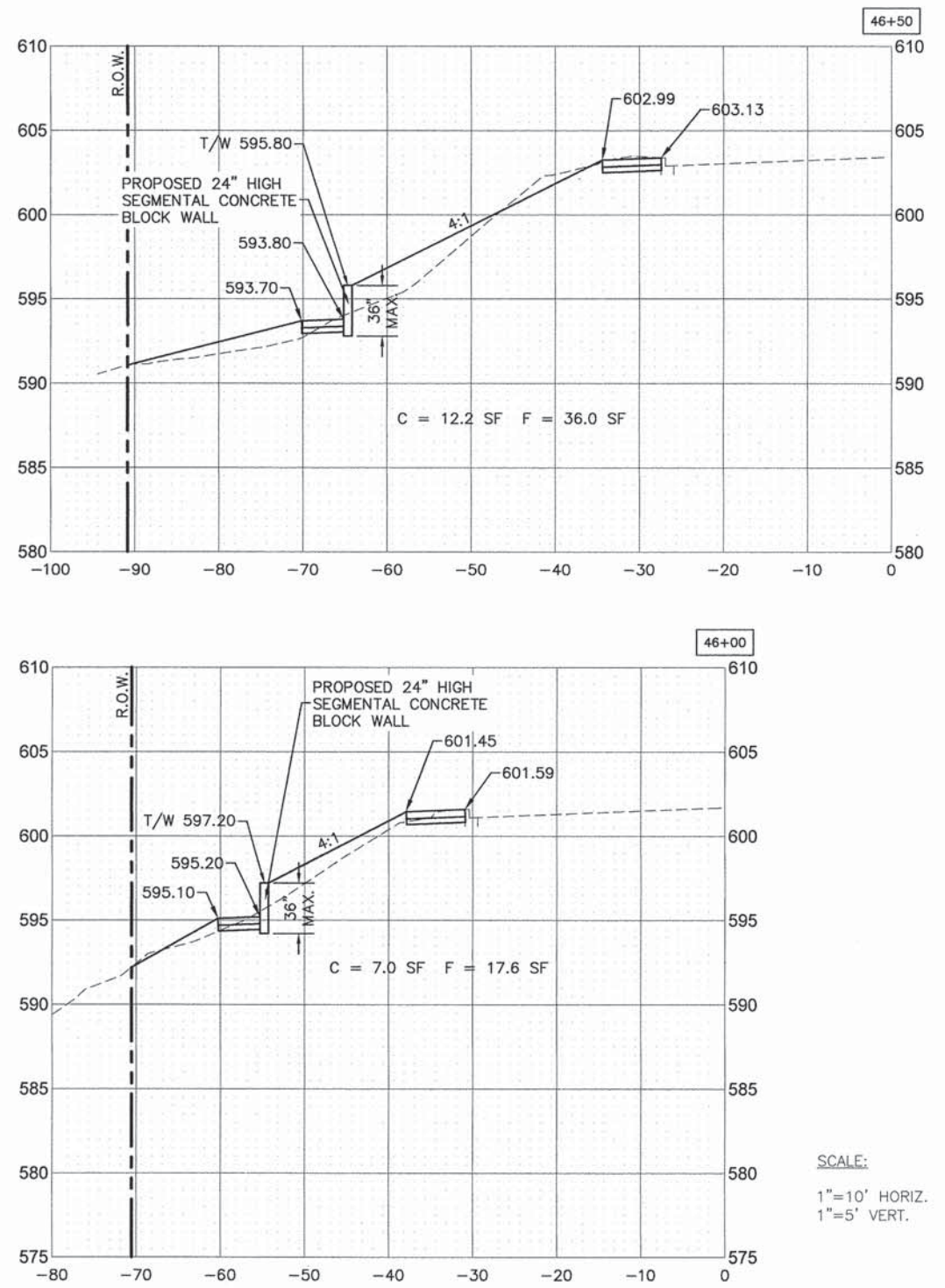
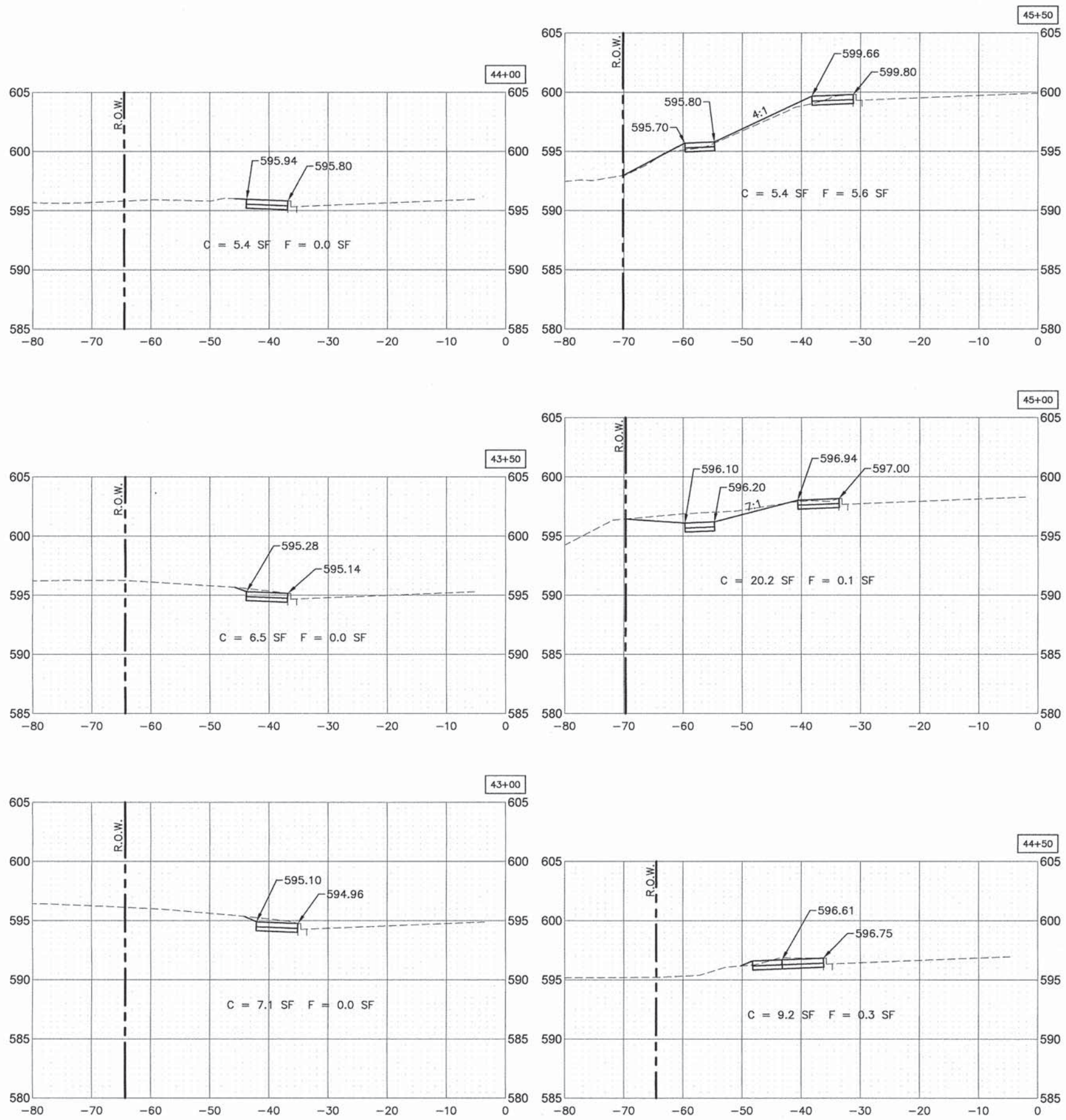
1/ Maximum conduit velocity fps.

Rock Gradation source: IDOT SCS IL April 1993

RIPRAP TABLES

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PLT DATE: Apr 15, 2015
 FILENAME: H:\14-FR3025\PLANS-EMV\REV-D\2014-PL-2009-Ridgeland Avenue-SSCC.dwg



SCALE:
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 1"=5' VERT.

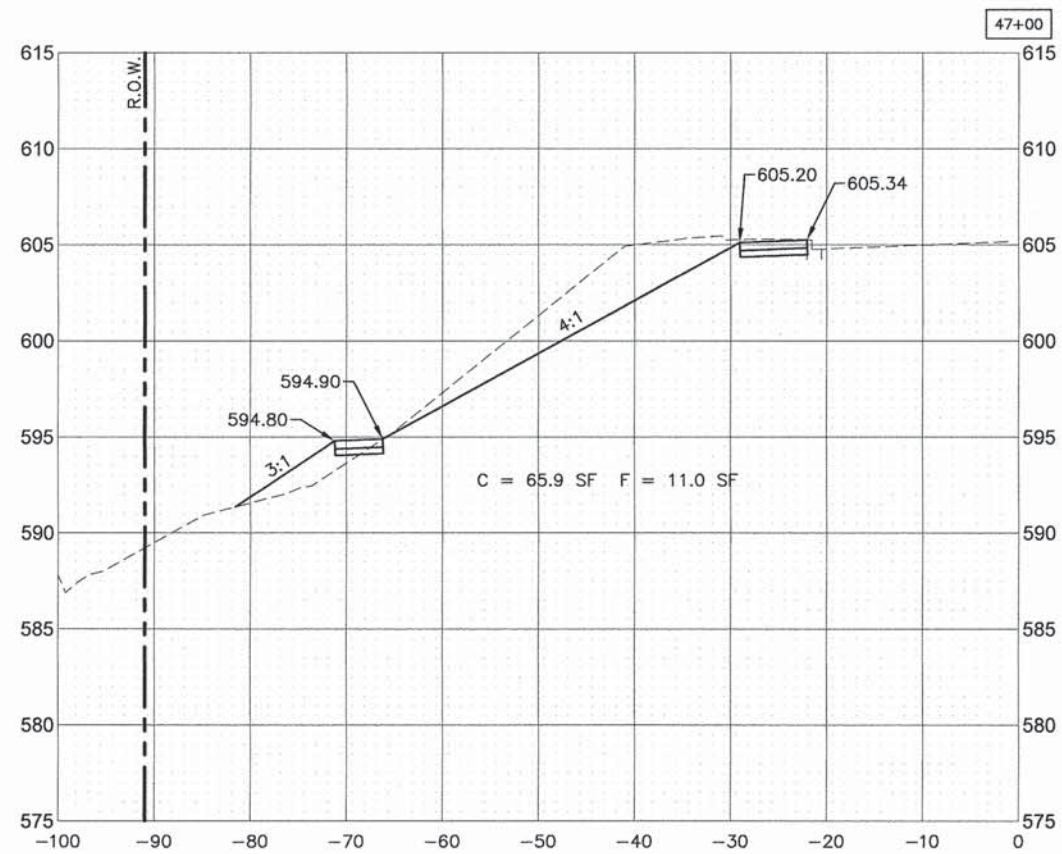
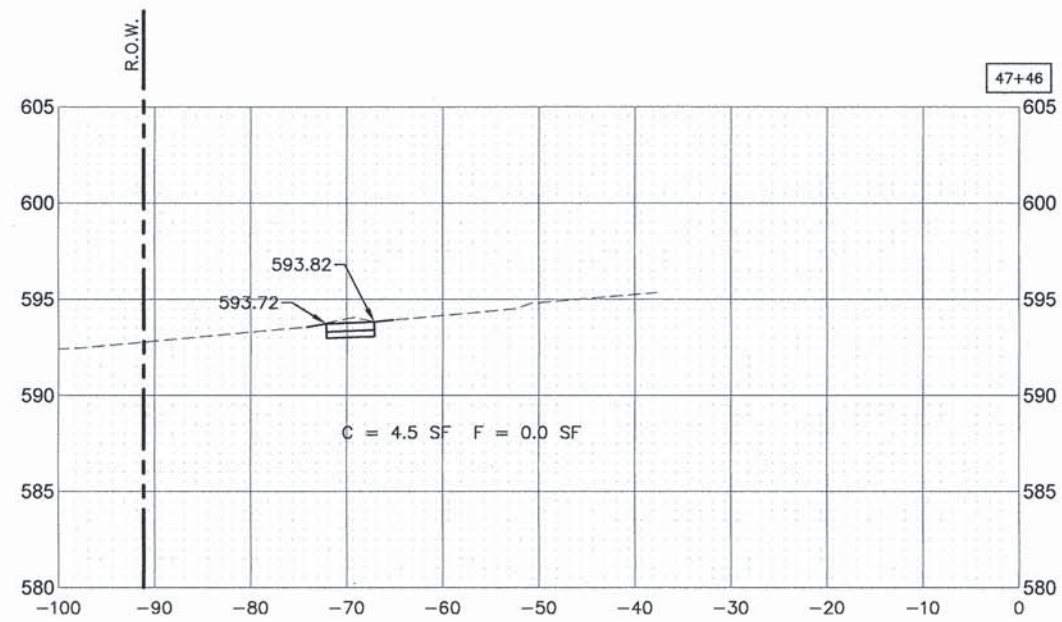
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PLOT SCALE *	DRAWN - DJB	REVISED -
PLOT DATE * Apr 15, 2015	CHECKED - AS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
 RIDGELAND AVENUE - CROSS SECTIONS

SCALE: - SHEET NO. 45 OF 64 SHEETS STA. 43+00 TO STA. 46+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	45
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				



SCALE:
 1"=10' HORIZ.
 1"=5' VERT.

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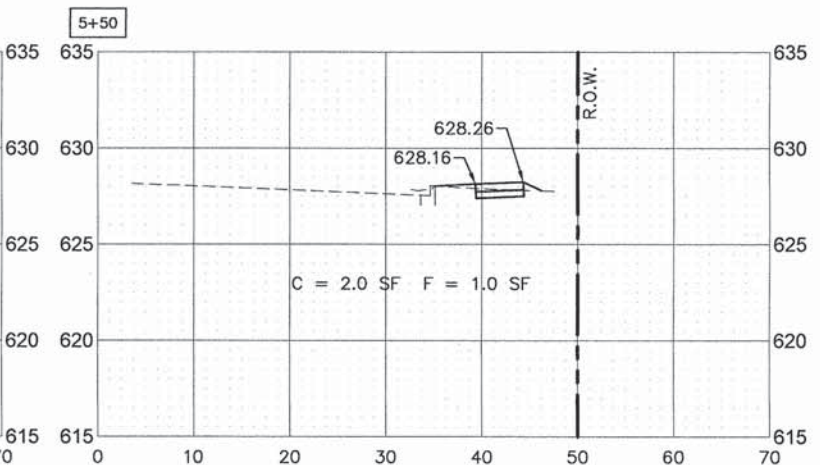
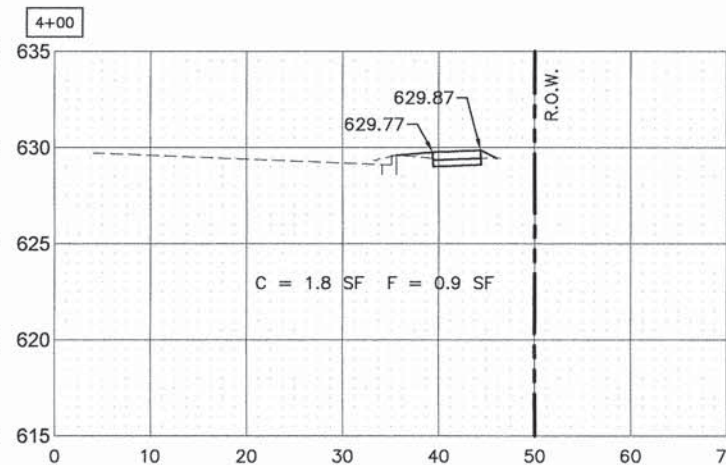
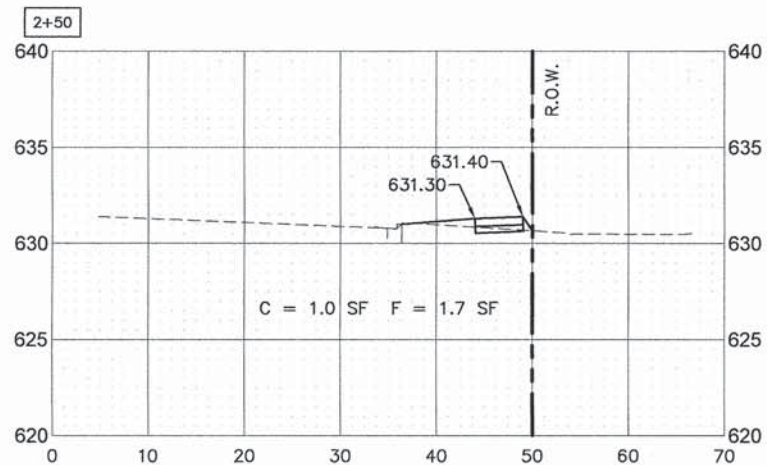
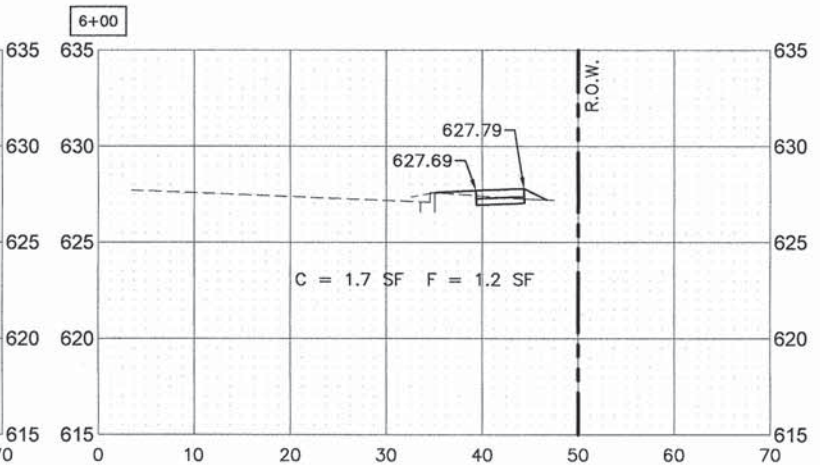
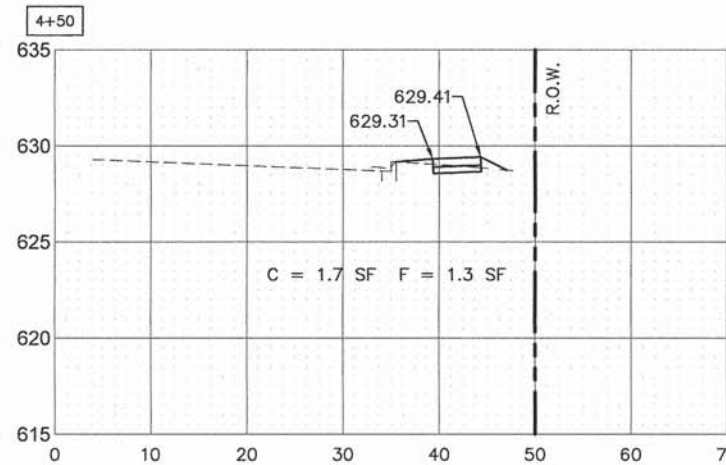
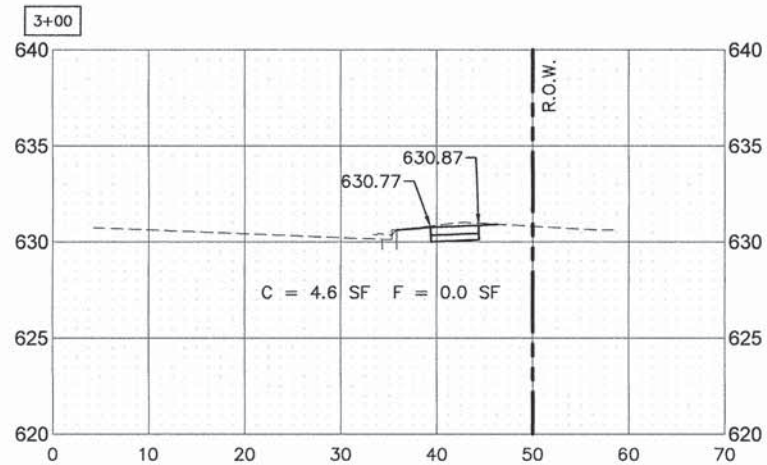
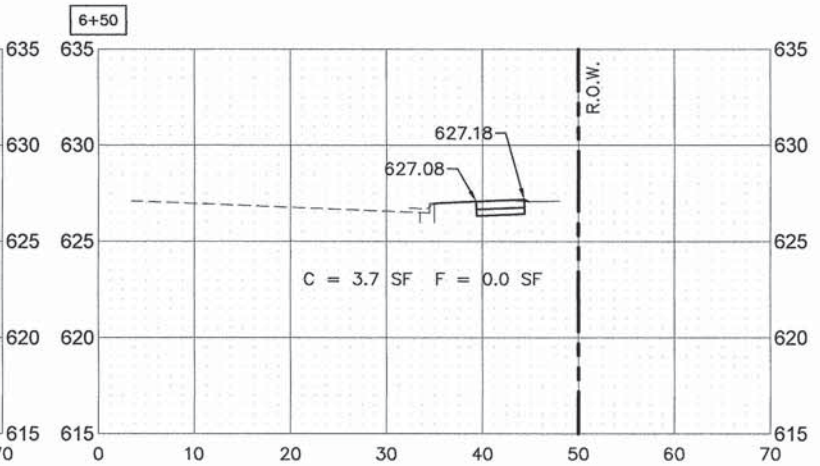
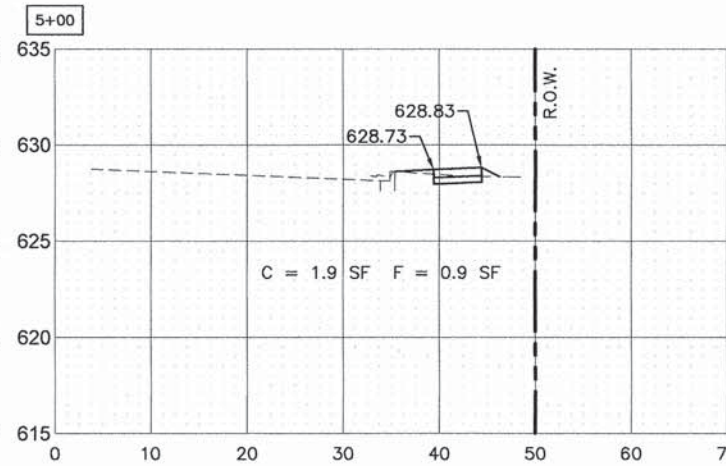
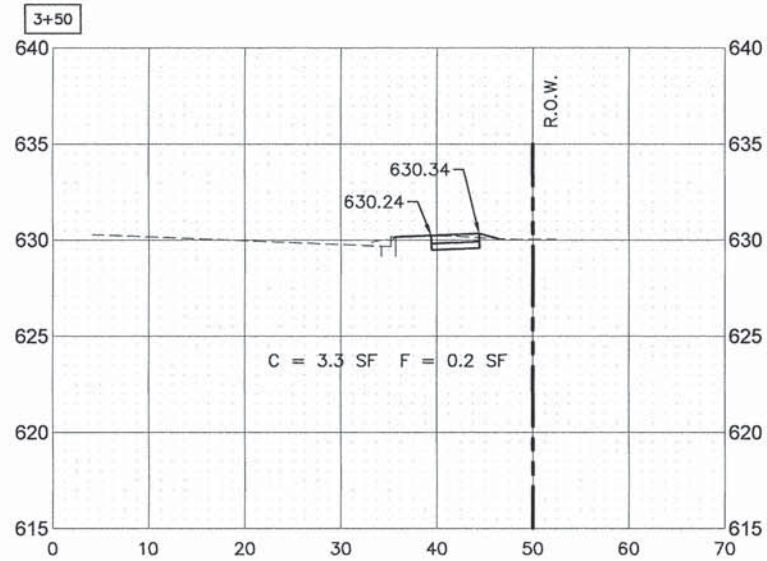
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	DRAWN - DJB	REVISED -
PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE = Apr 15, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
RIDGELAND AVENUE - CROSS SECTIONS

SCALE: — SHEET NO. 46 OF 64 SHEETS STA. 47+00 TO STA. 47+46

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	46
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	



SCALE:
1"=10' HORIZ.
1"=5' VERT.

PLOT DATE: Apr 15, 2015
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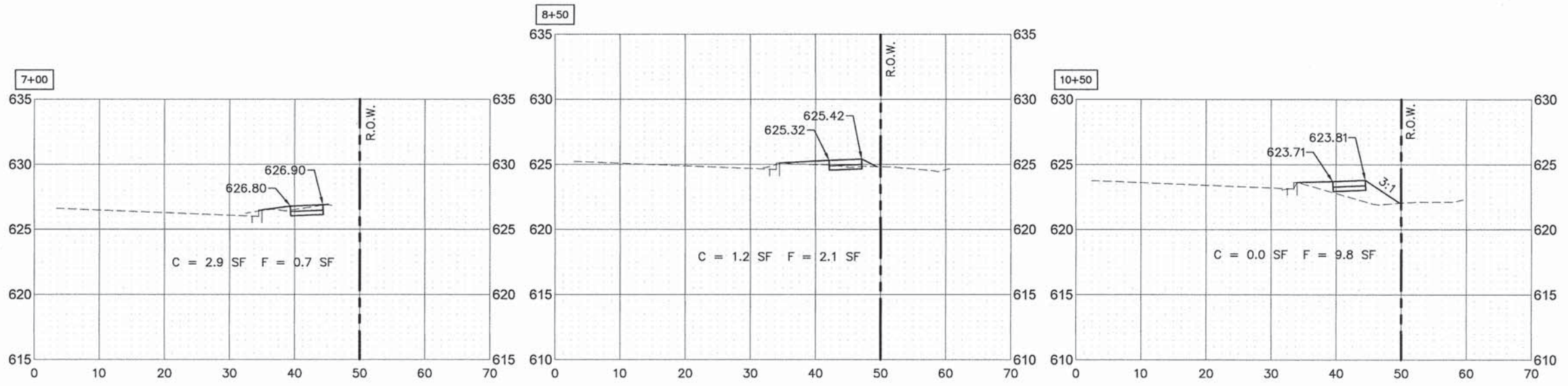
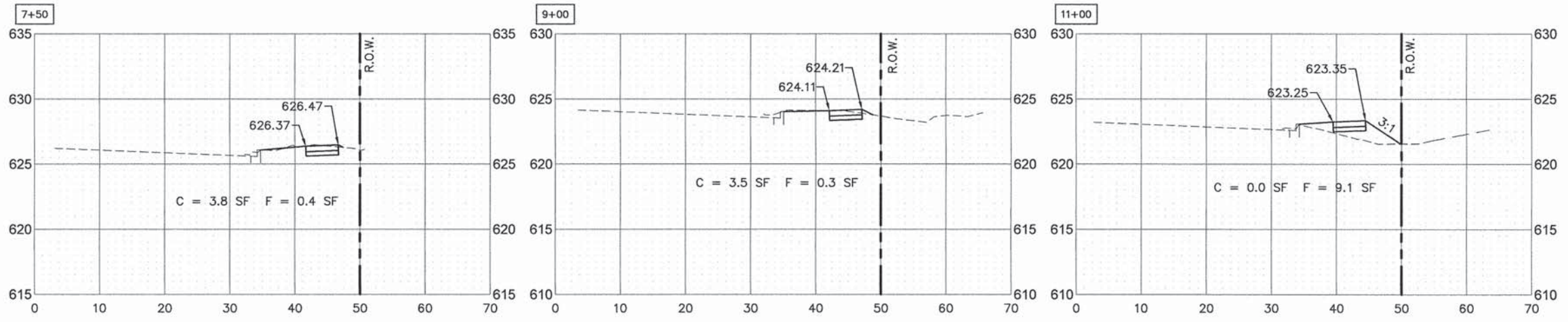
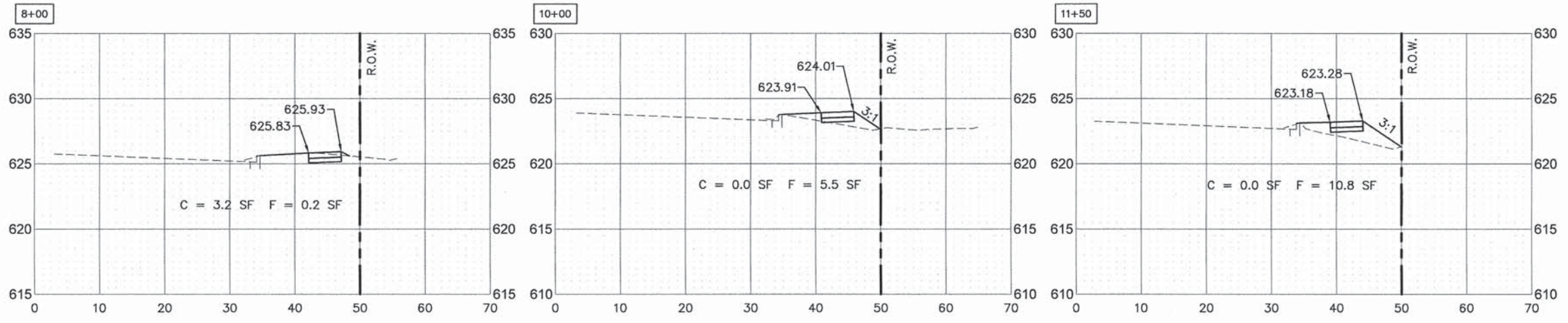
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PLOT DATE * Apr 15, 2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
HARLEM AVENUE CROSS SECTIONS**

SCALE: — SHEET NO. 47 OF 64 SHEETS STA. 2+50 TO STA. 6+50

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 47
CONTRACT NO. 61B59				ILLINOIS FED. AID PROJECT



SCALE:
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1"=5' VERT.

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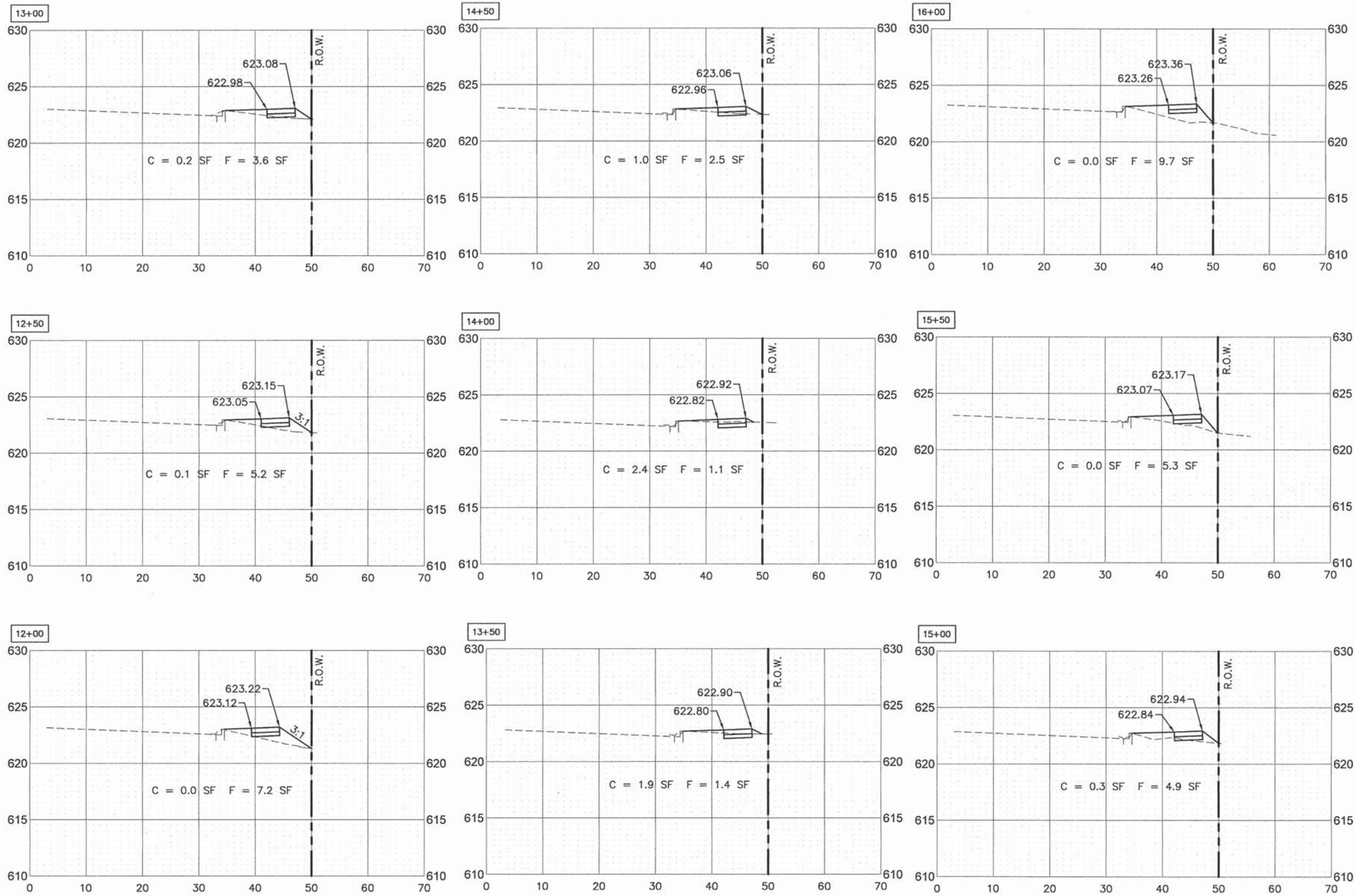
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PLOT DATE * Apr 15, 2015	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
HARLEM AVENUE CROSS SECTIONS**

SCALE: — SHEET NO. 48 OF 64 SHEETS STA. 7+00 TO STA. 11+50

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 48
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				



SCALE:
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1"=5' VERT.

PLOT DATE: Apr 15, 2015
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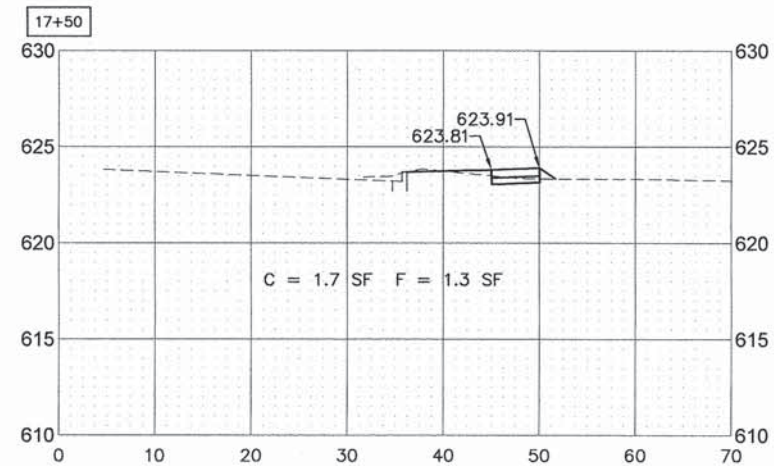
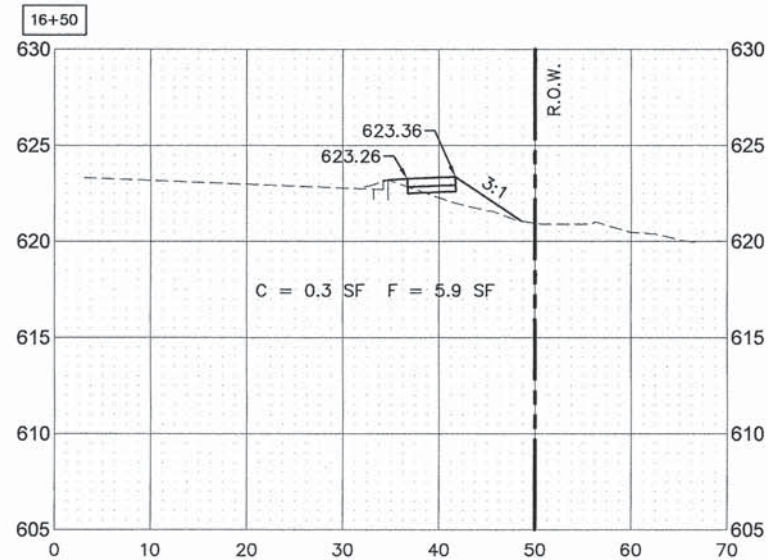
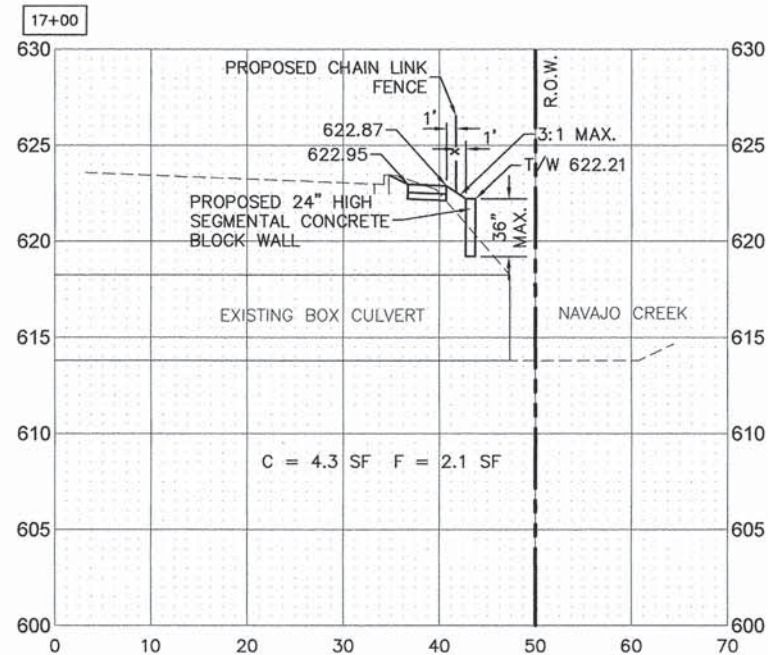
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
HARLEM AVENUE CROSS SECTIONS**

SCALE: — SHEET NO. 49 OF 64 SHEETS STA. 12+00 TO STA. 16+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	49
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				

PLOT DATE: Apr 16, 2015
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SCALE:
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 1"=5' VERT.

USER NAME *	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
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PLOT DATE * Apr 16, 2015	DATE -	REVISED -

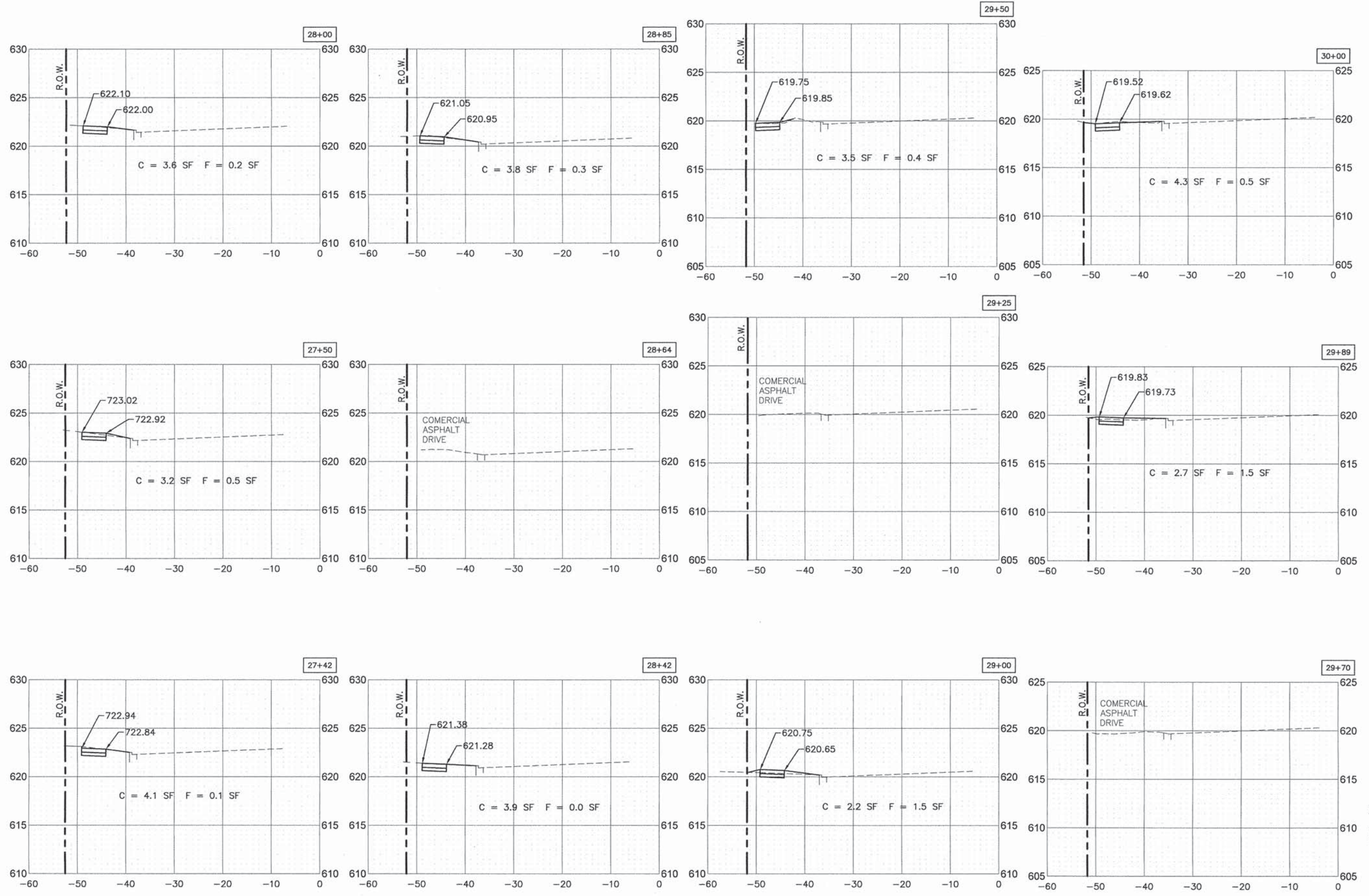
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
 HARLEM AVENUE CROSS SECTIONS

SCALE: -- SHEET NO. 50 OF 64 SHEETS STA. 16+50 TO STA. 17+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	50
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				

PLOT DATE: Apr 15, 2015
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	DATE -	REVISED -

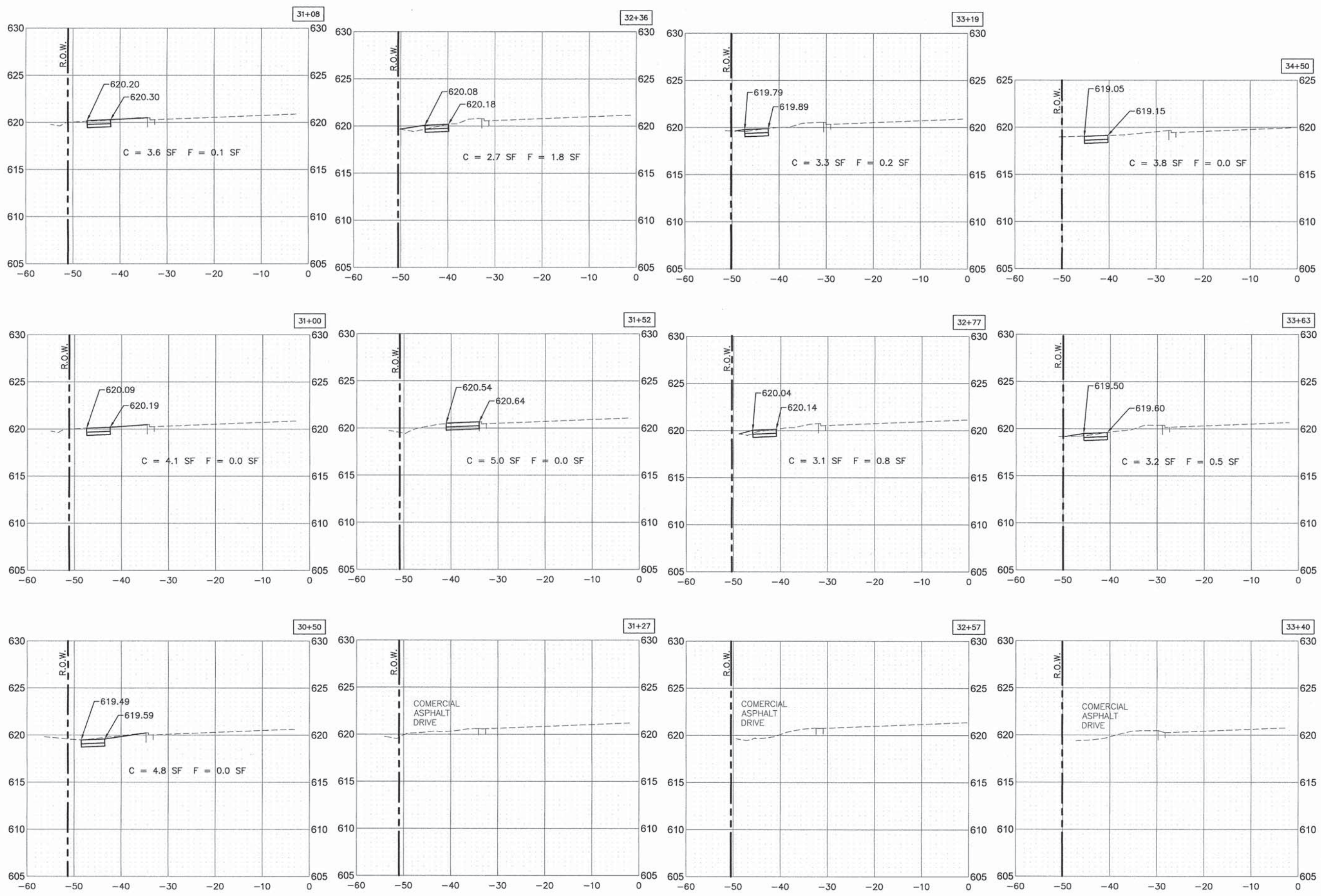
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
127TH STREET CROSS SECTIONS

SCALE: — SHEET NO. 51 OF 64 SHEETS STA. 27+42 TO STA. 30+00

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 51
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				

PLOT DATE: Apr 15, 2015
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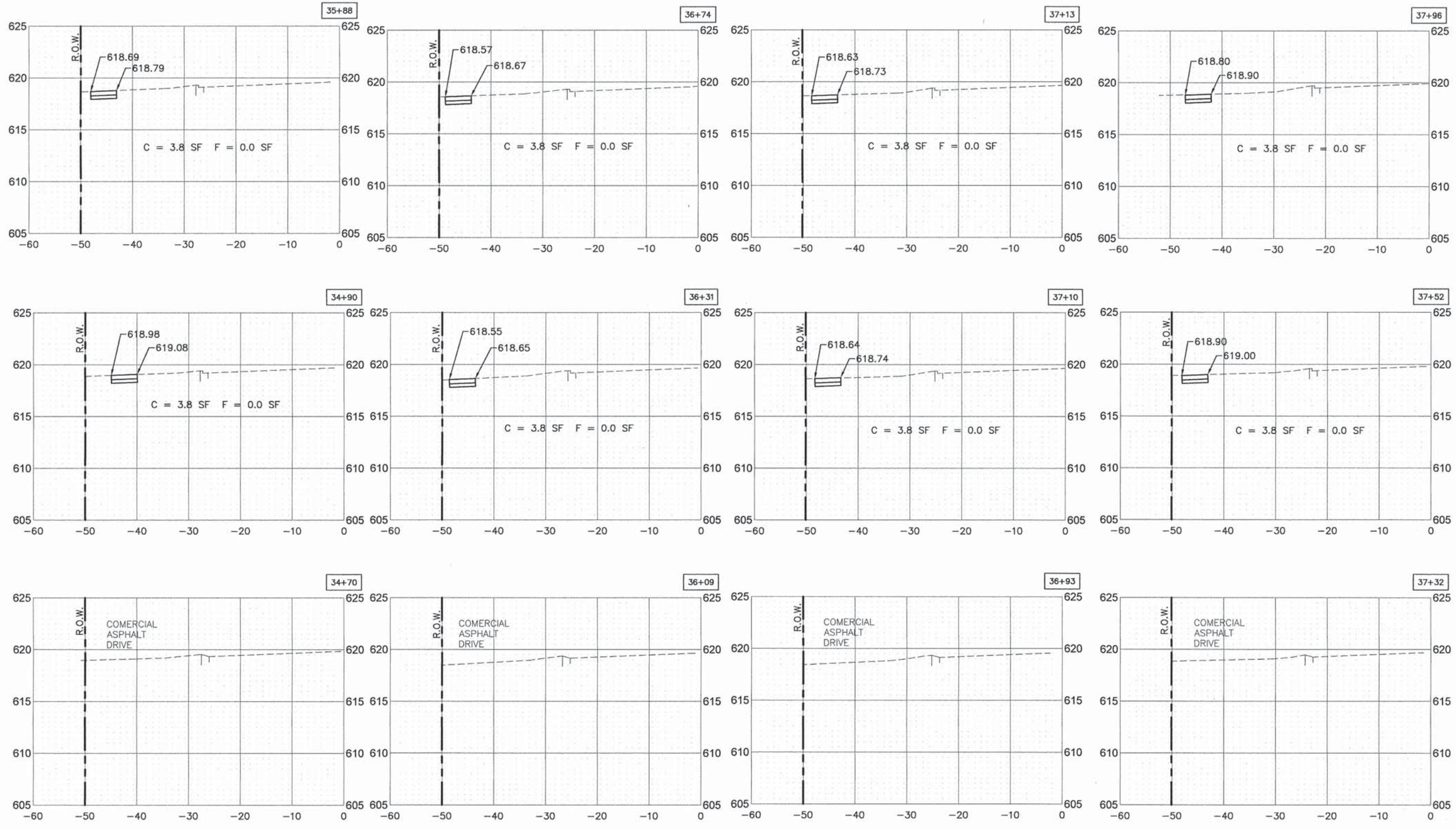
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
127TH STREET CROSS SECTIONS
 SCALE: - SHEET NO. 52 OF 64 SHEETS STA. 30+50 TO STA. 34+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	52
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	

PLOT DATE: Apr 15, 2015
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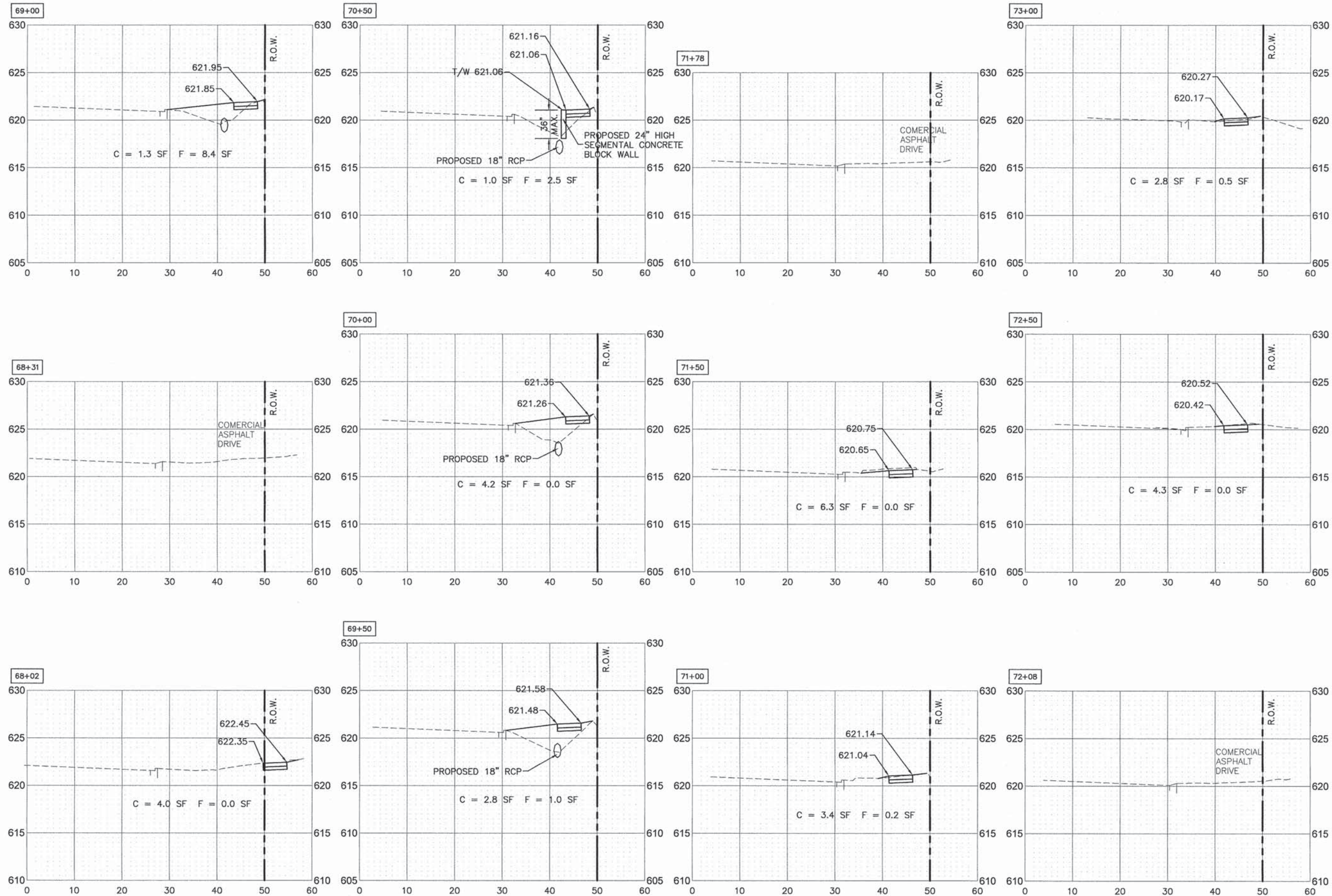
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
127TH STREET CROSS SECTIONS

SCALE: — SHEET NO. 53 OF 64 SHEETS STA. 34+70 TO STA. 37+96

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	53
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				



SCALE:
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 1"=5' VERT.

PLOT DATE: Apr 16, 2015
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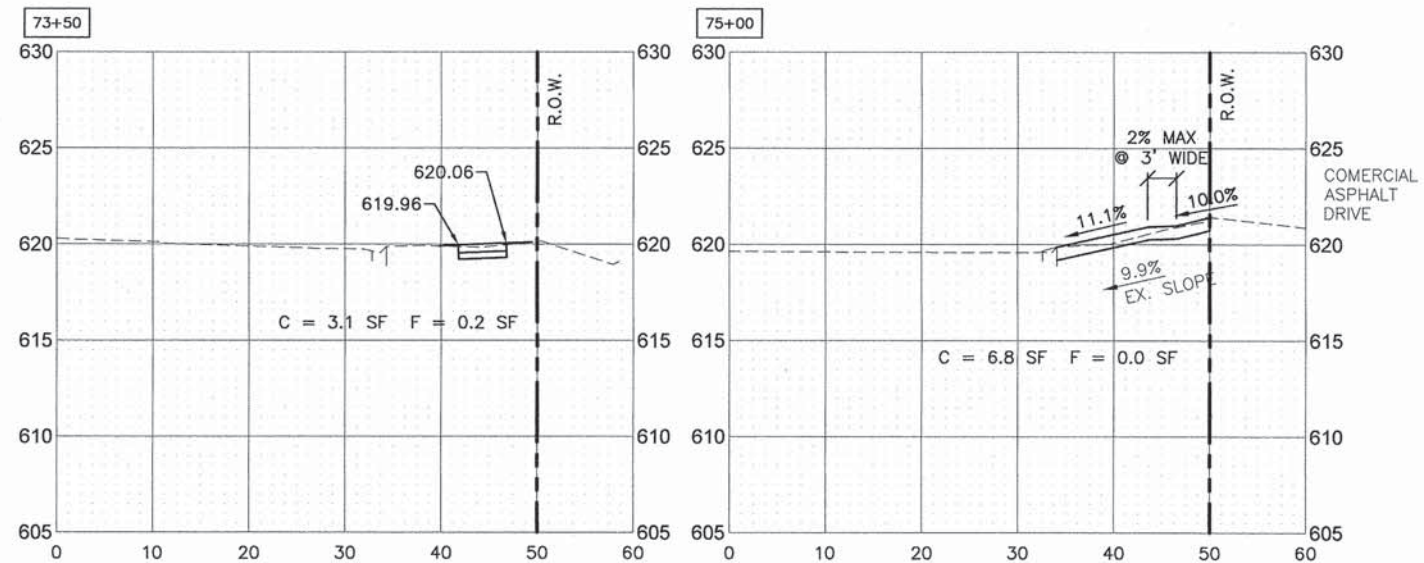
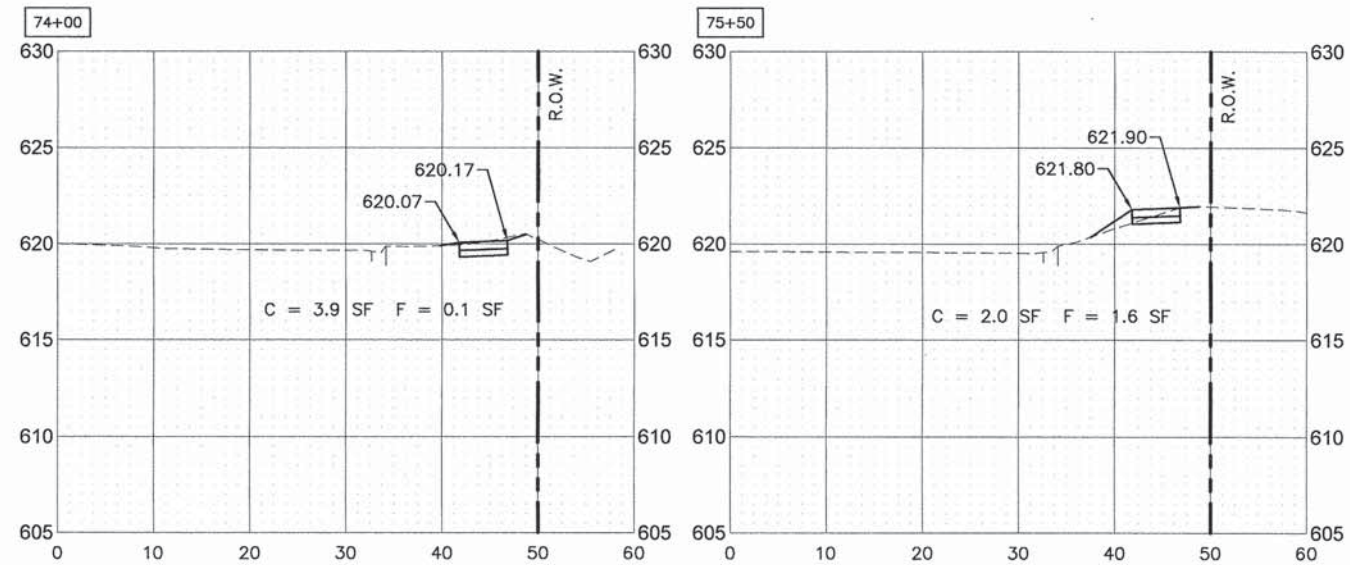
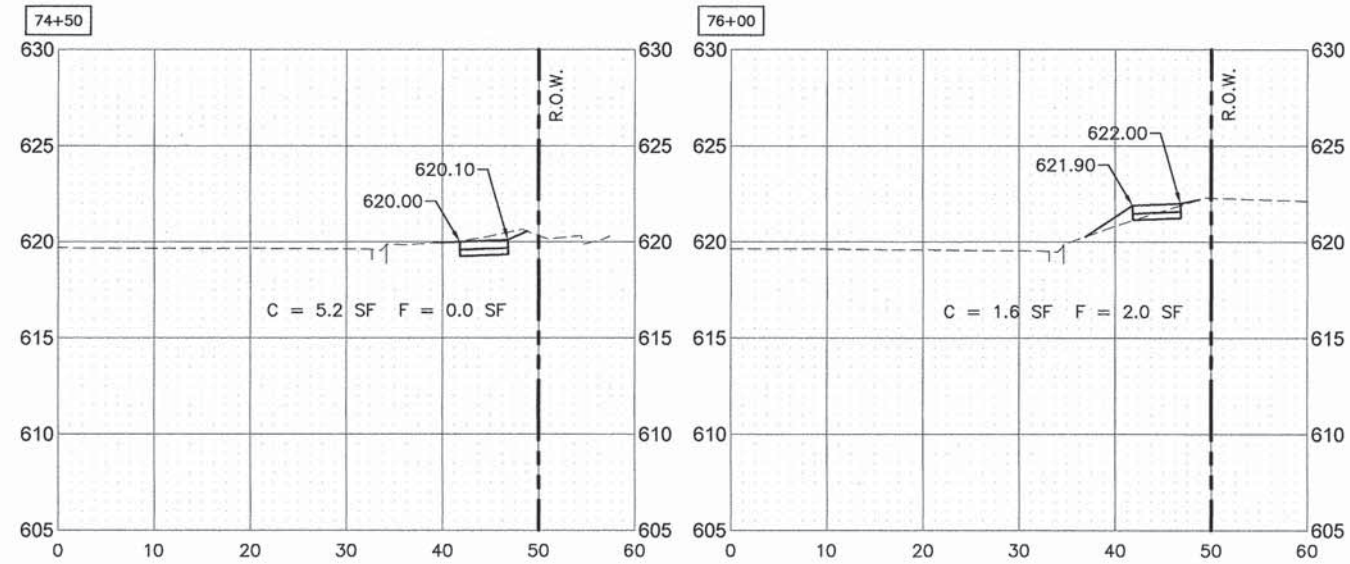
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PLOT DATE * Apr 16, 2015	CHECKED - AS	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
127TH STREET CROSS SECTIONS
 SCALE: -- SHEET NO. 54 OF 64 SHEETS STA. 68+02 TO STA. 73+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	54
				CONTRACT NO. 61B59
ILLINOIS FED. AID PROJECT				

PLOT DATE: Apr 15, 2015
 FILENAME: H:\4-PHY\309VPLANS-ENG\REV-0\2014-PH-309-127th Street-XSEC.dwg



SCALE:
 1"=10' HORIZ.
 1"=5' VERT.

USER NAME *	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE * Apr 15, 2015	DATE -	REVISED -

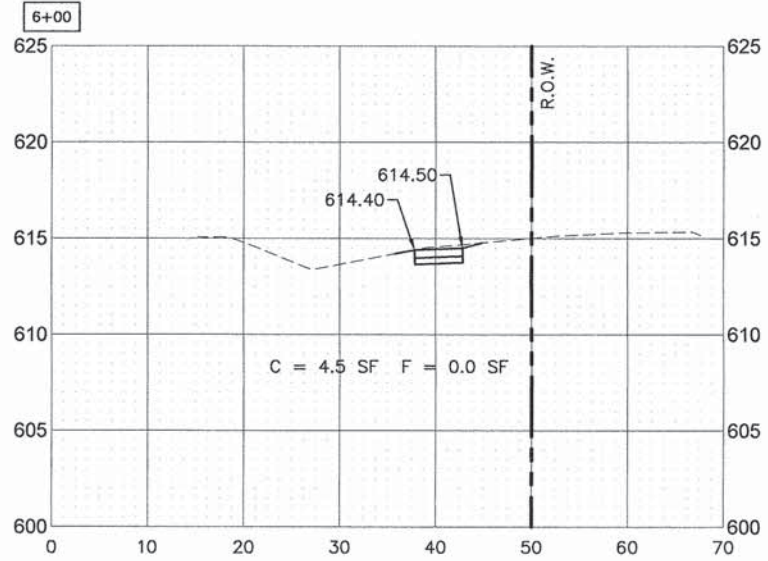
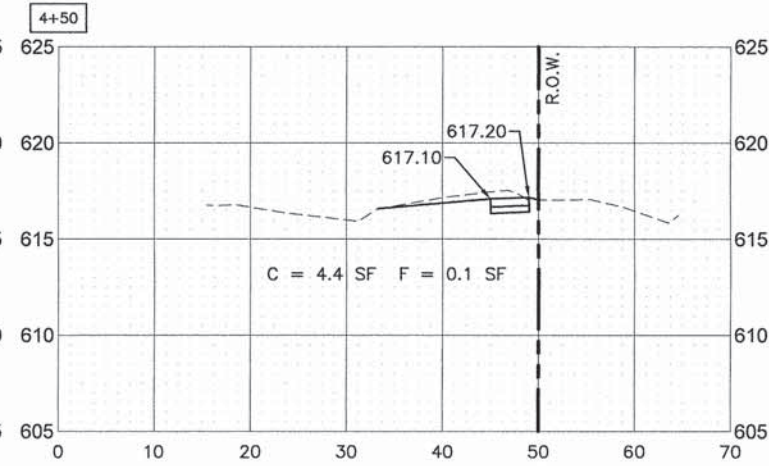
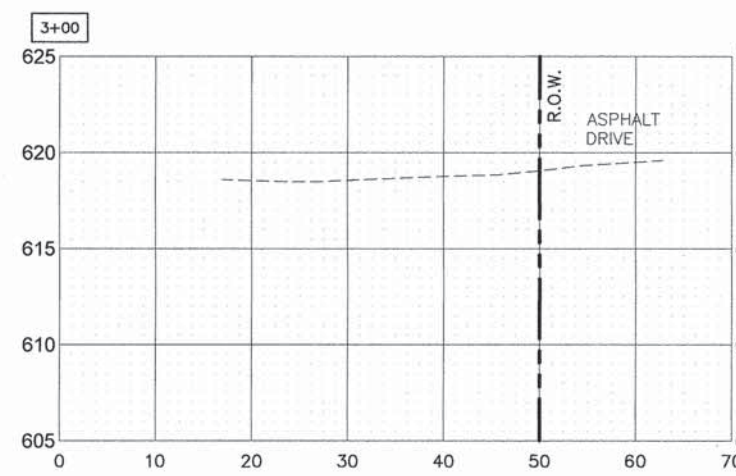
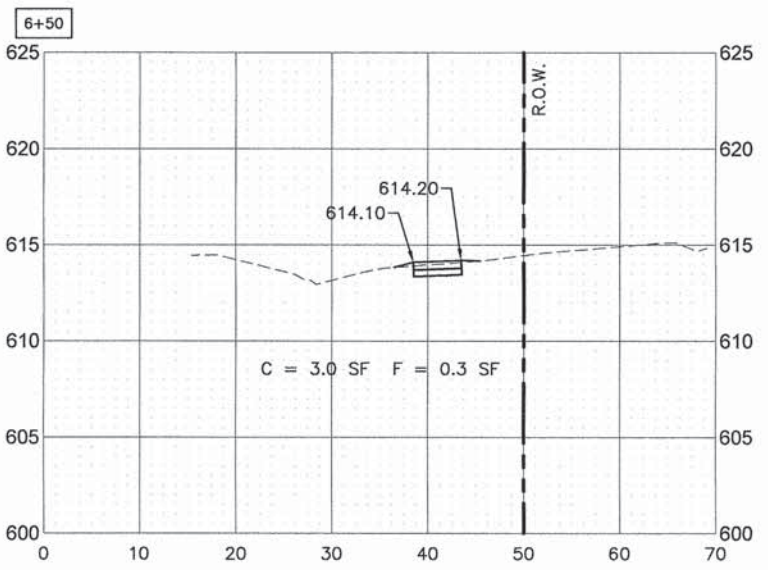
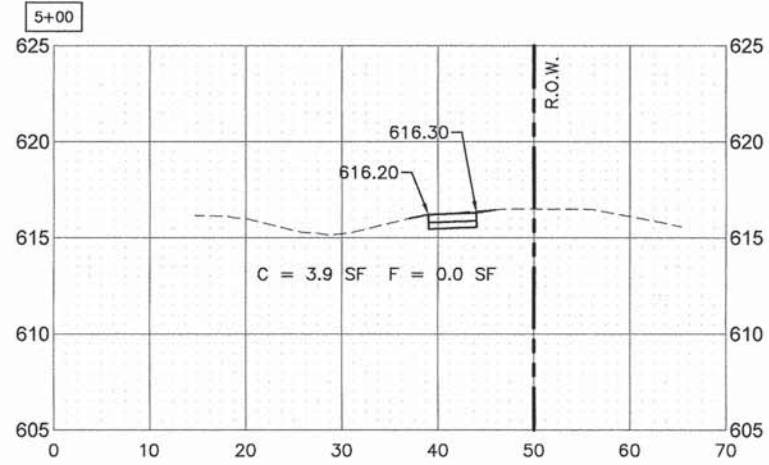
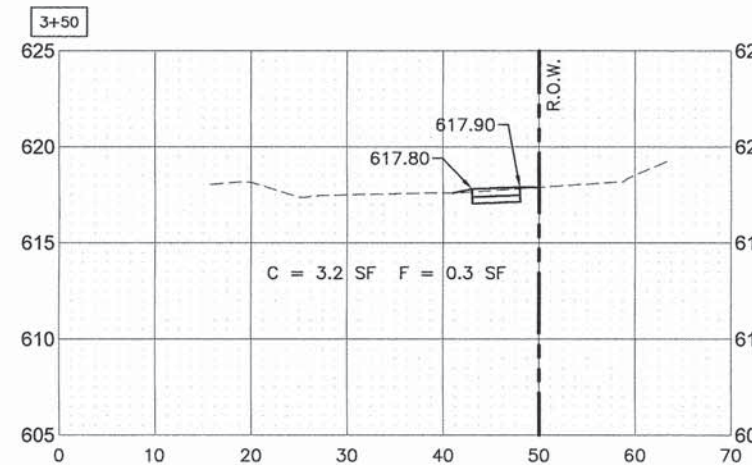
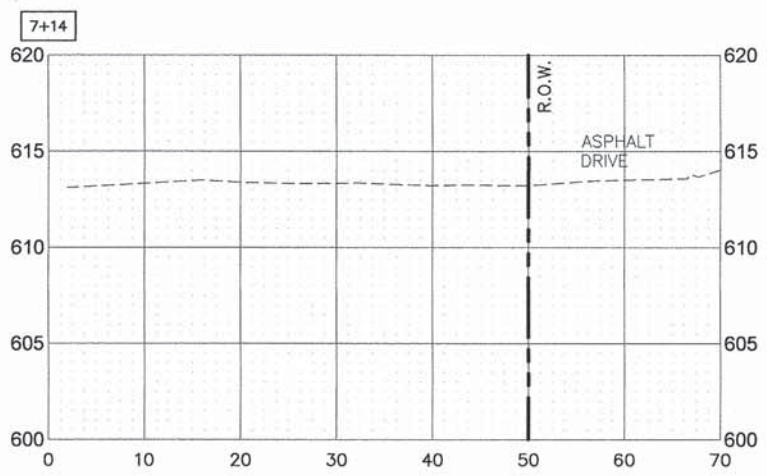
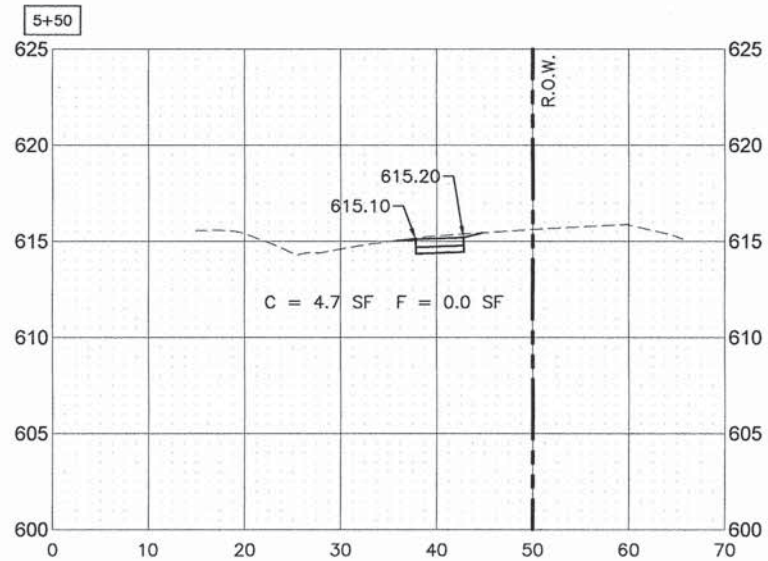
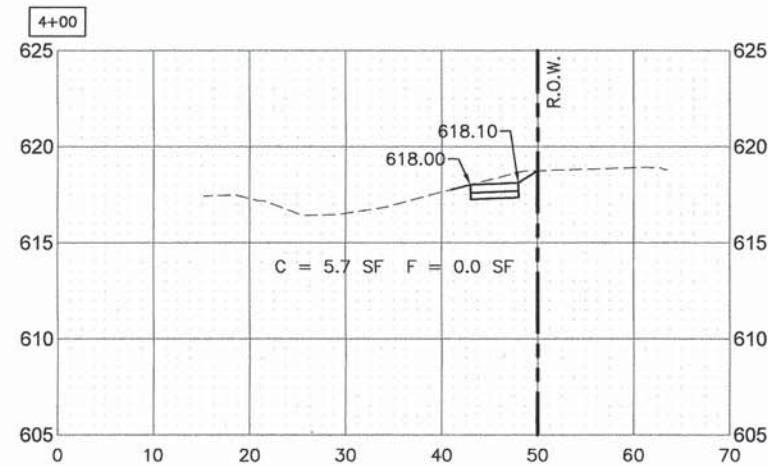
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
 127TH STREET CROSS SECTIONS

SCALE: - SHEET NO. 55 OF 64 SHEETS STA. 73+50 TO STA. 76+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	55
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				

PLOT DATE: Apr 15, 2015
 FILENAME: H:\14-PH\3029\ANS-ENG-REV-0\014-PH-3029-119th_Street-XSEC.dwg



SCALE:
 1"=10' HORIZ.
 1"=5' VERT.

USER NAME =	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE =	CHECKED - AS	REVISED -
PLOT DATE = Apr 15, 2015	DATE -	REVISED -

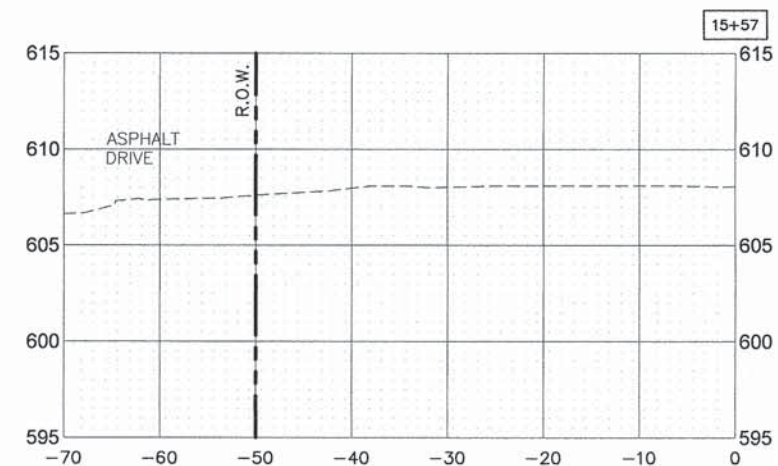
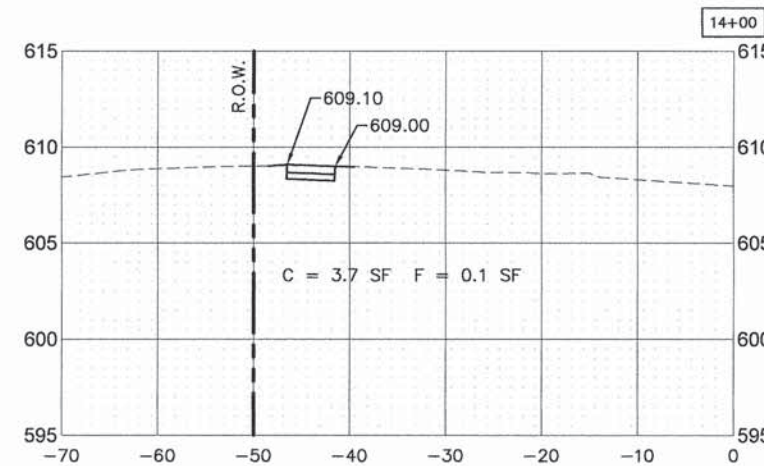
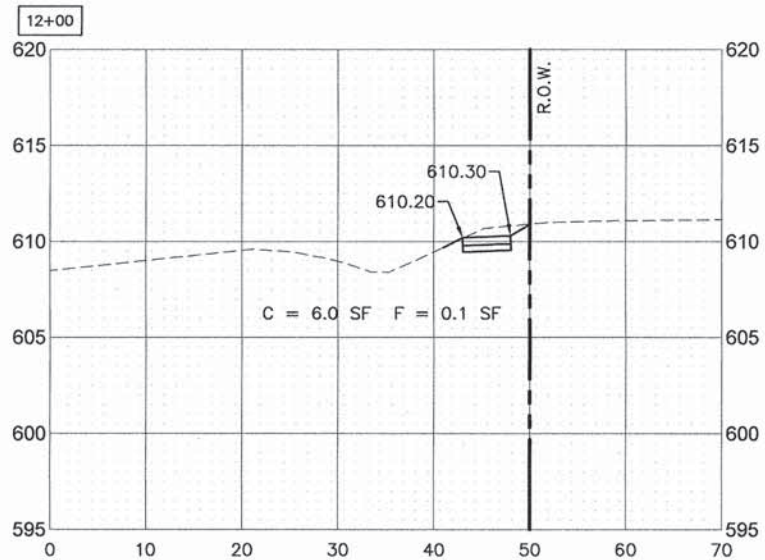
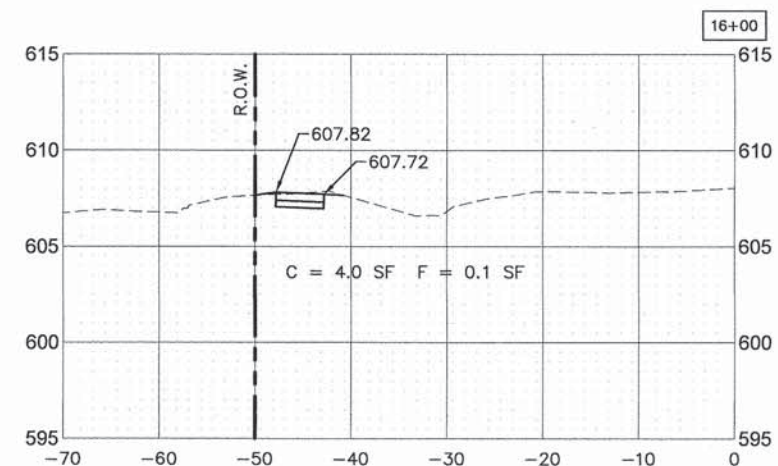
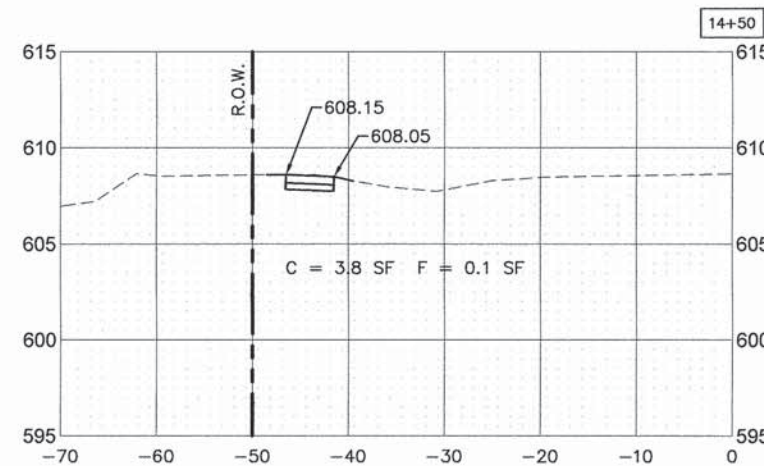
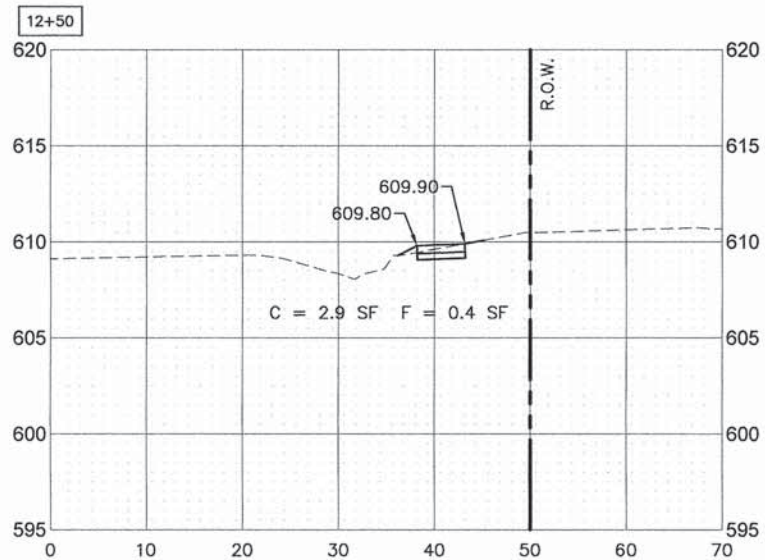
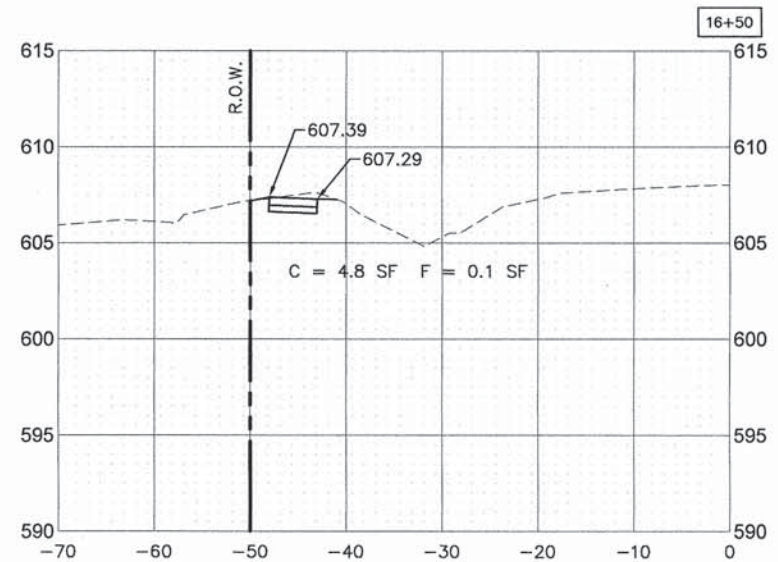
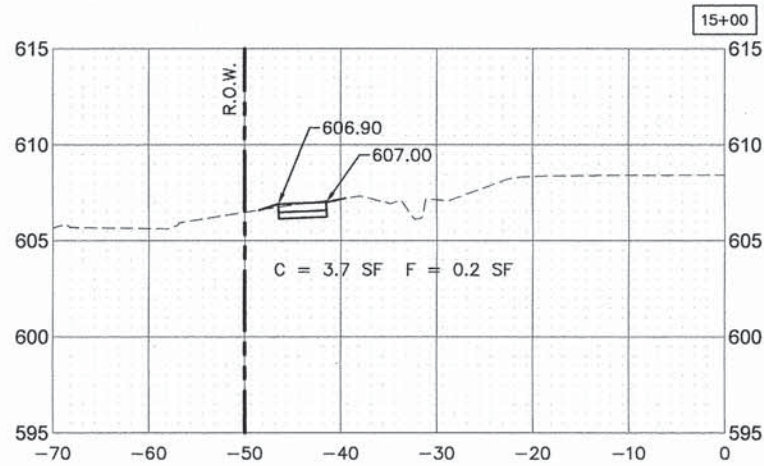
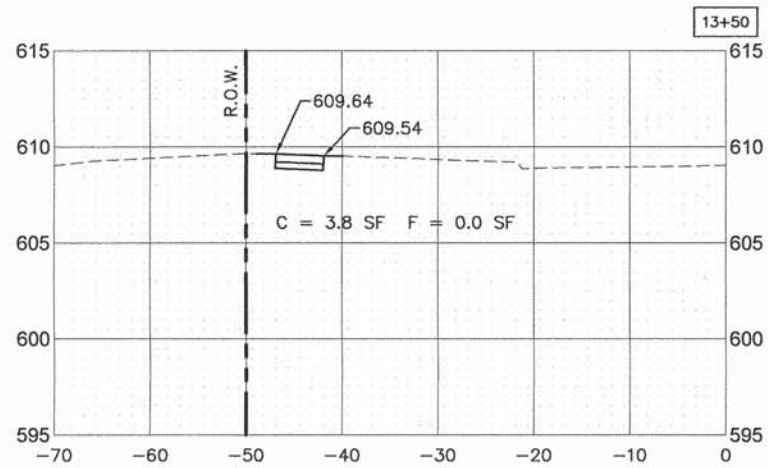
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
119TH STREET CROSS SECTIONS

SCALE: - SHEET NO. 56 OF 64 SHEETS STA. 3+00 TO STA. 7+14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	56
CONTRACT NO. 61B59				
ILLINOIS FED. AID PROJECT				

PLOT DATE: Apr 15, 2015
 FILENAME: H:\14-PRJ\2015\PLANS-ENG\REV-D\2014-PH-2009-119th_Street-XSEC.dwg



SCALE:
 1"=10' HORIZ.
 1"=5' VERT.

USER NAME =	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE =	CHECKED - AS	REVISED -
PLOT DATE = Apr 15, 2015	DATE -	REVISED -

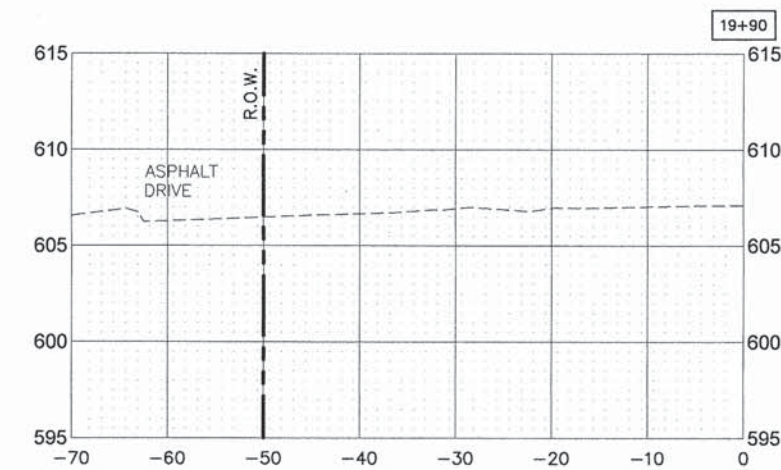
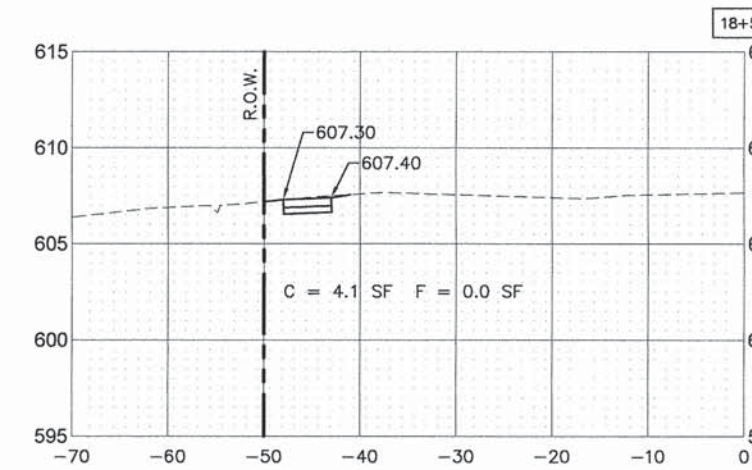
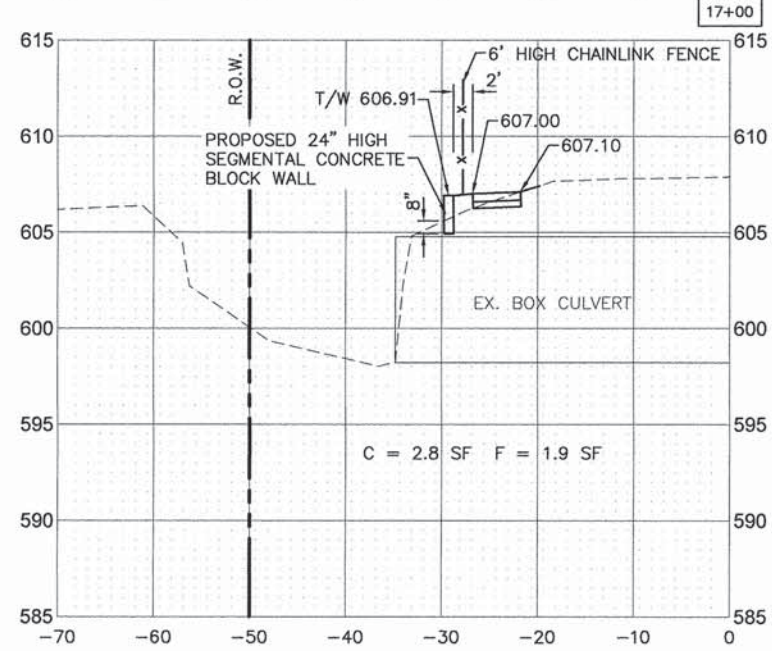
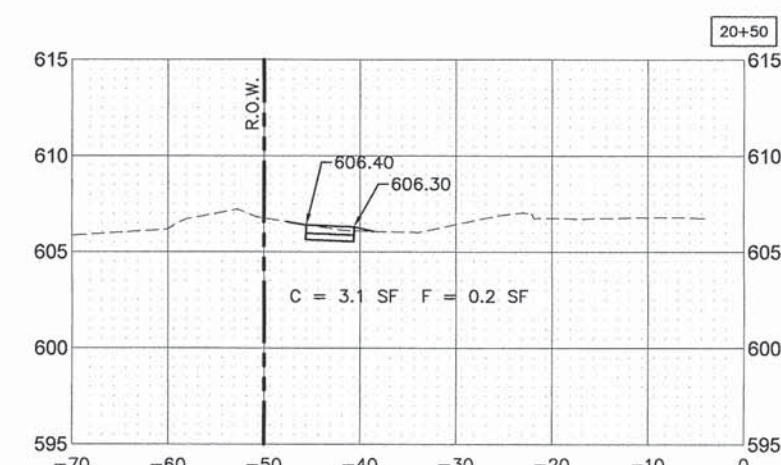
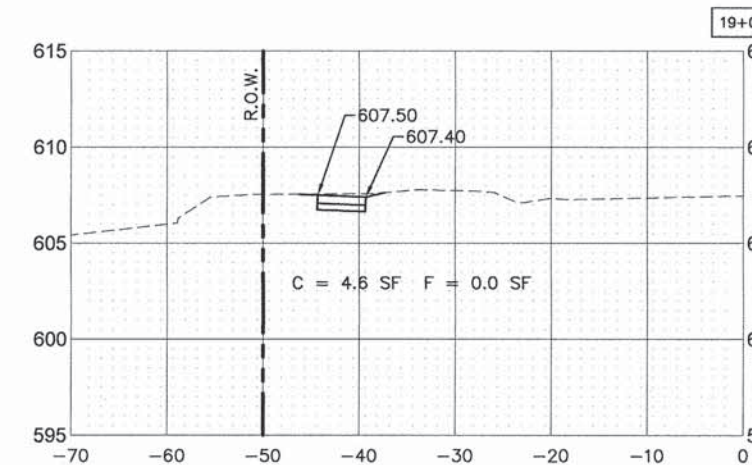
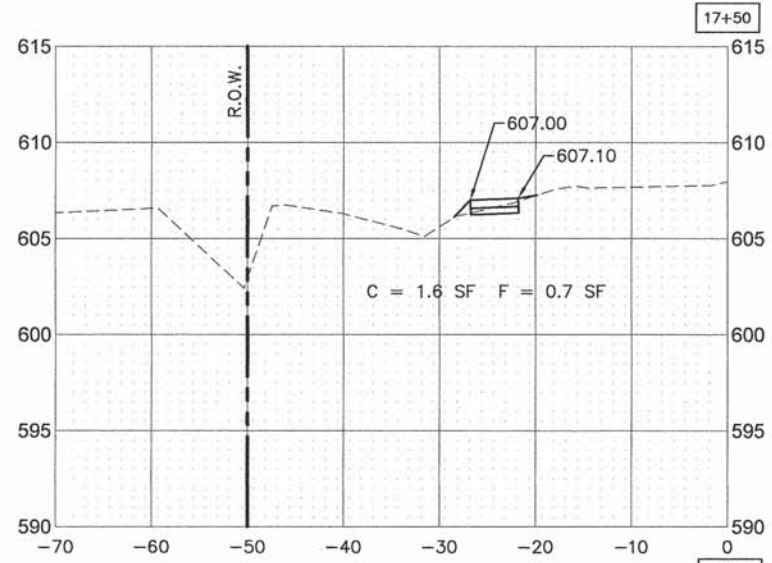
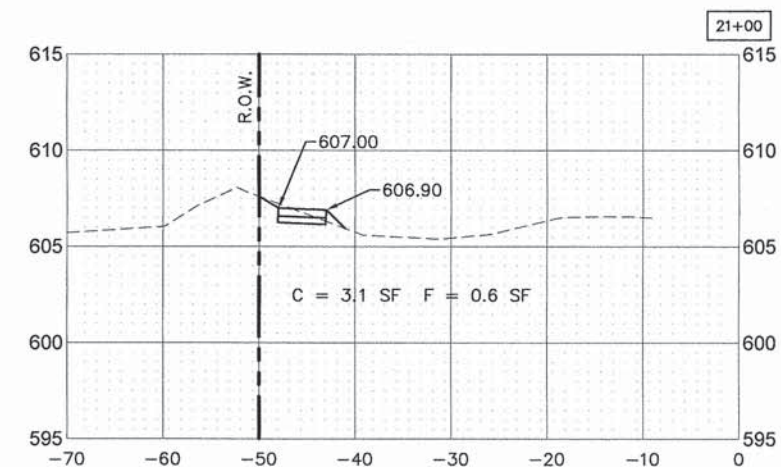
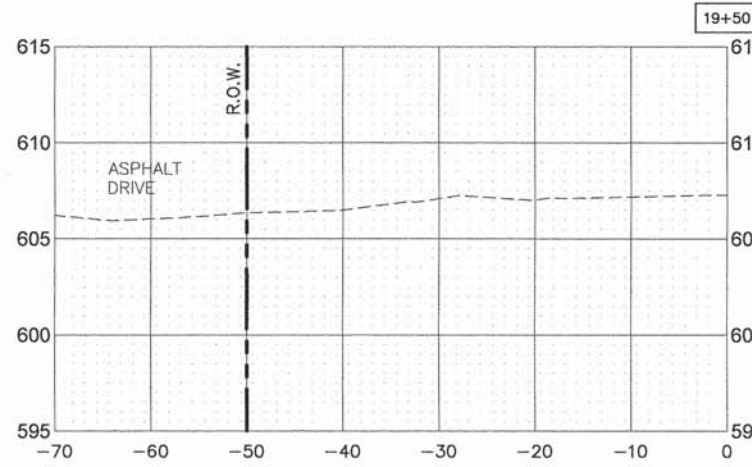
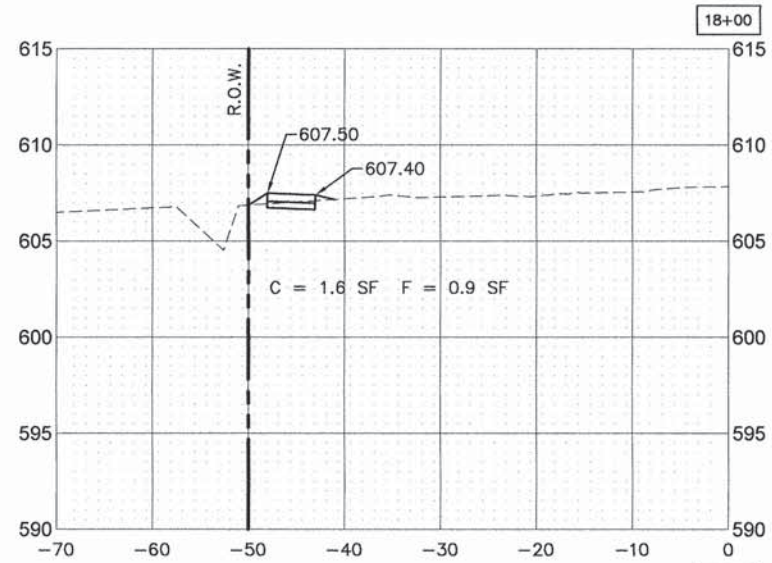
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
119TH STREET CROSS SECTIONS

SCALE: — SHEET NO. 58 OF 64 SHEETS STA. 12+00 TO STA. 16+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	58
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	

PLOT DATE: Apr 16, 2015
 FILENAME: H:\14-PH-0009\PLANS-ENG\REV-0-2014-PH-0009-119th_Street-XSEC.dwg



SCALE:
 1"=10' HORIZ.
 1"=5' VERT.

USER NAME *	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE * Apr 16, 2015	DATE -	REVISED -

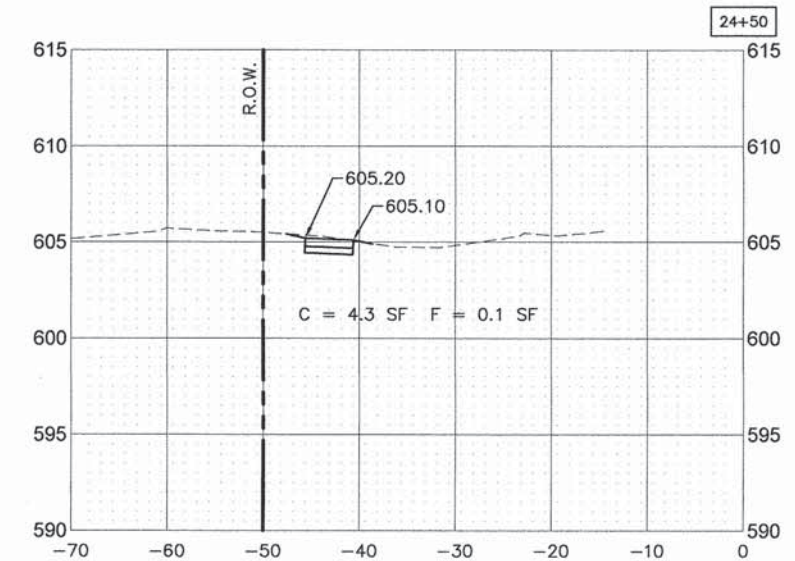
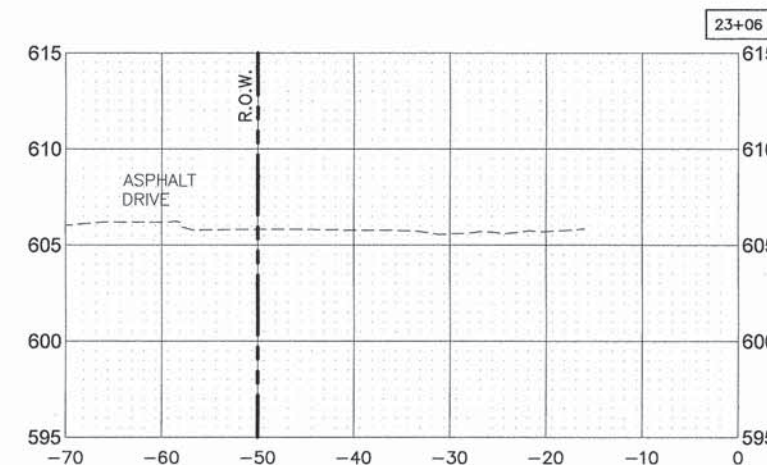
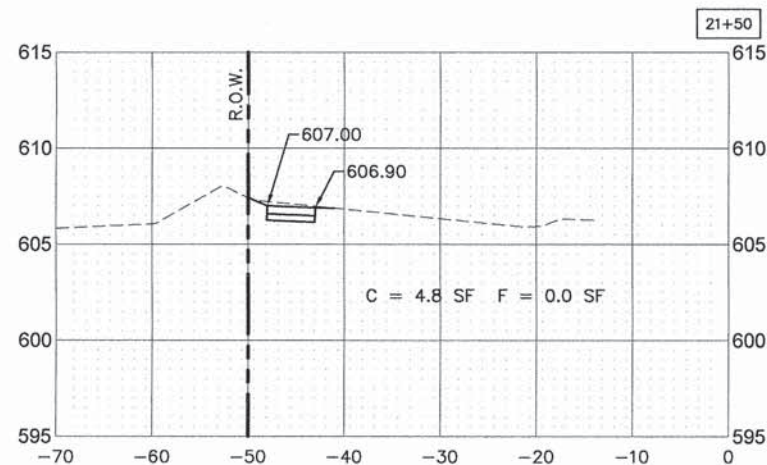
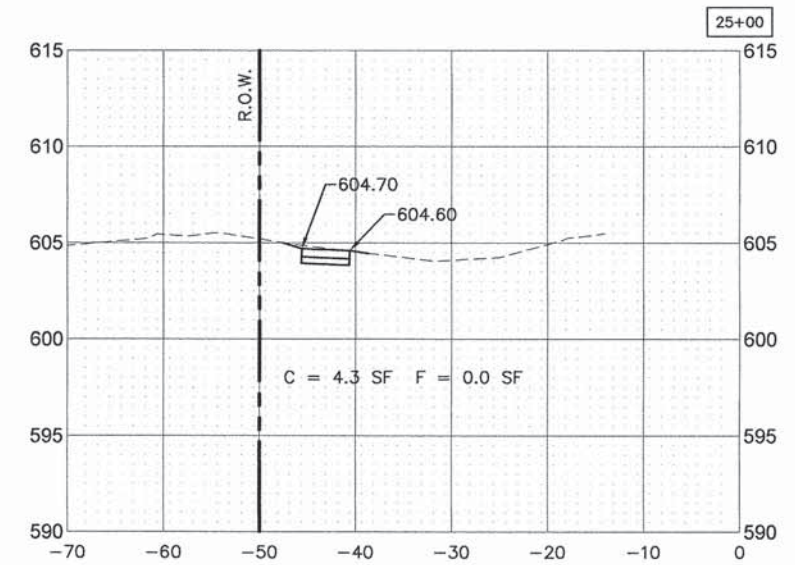
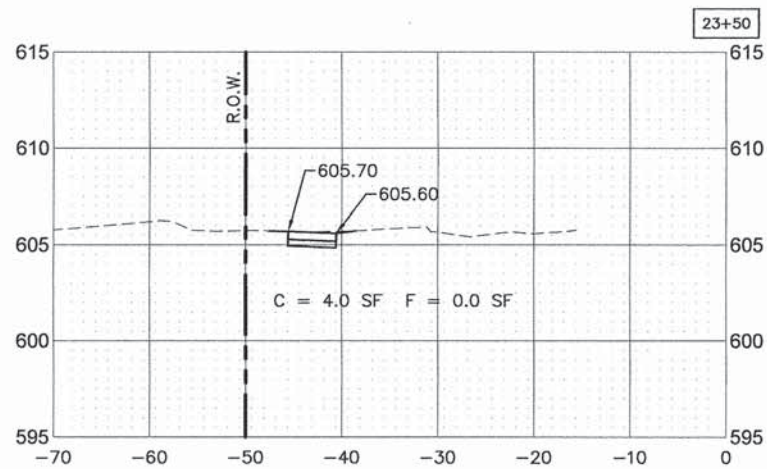
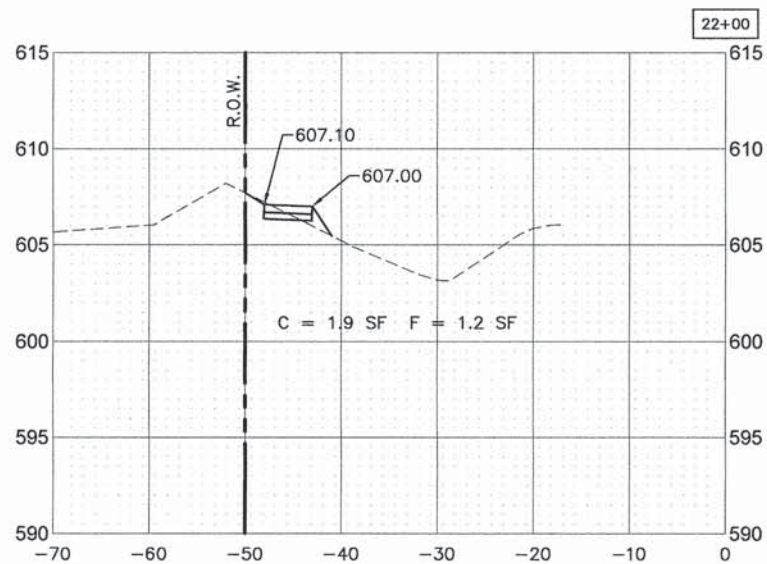
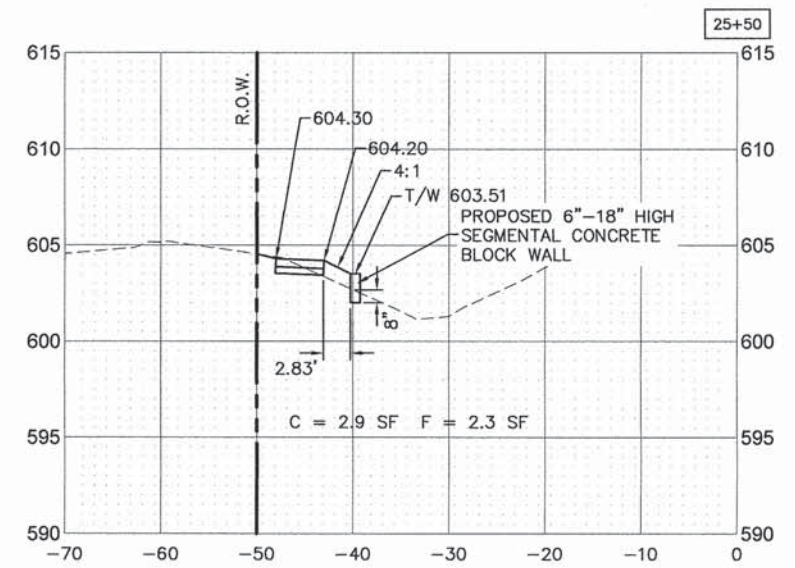
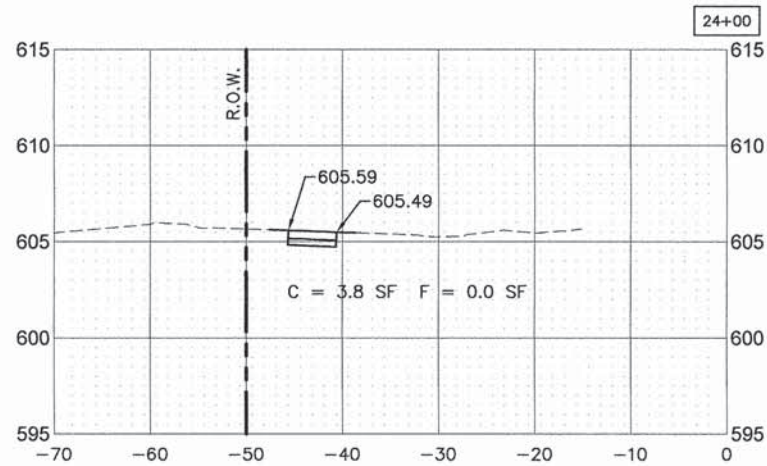
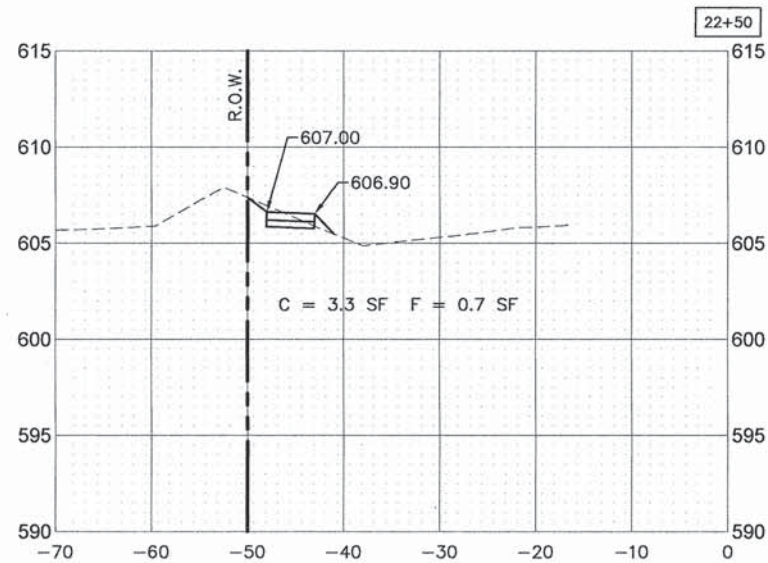
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
119TH STREET CROSS SECTIONS

SCALE: -- SHEET NO. 59 OF 64 SHEETS STA. 17+00 TO STA. 21+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	59
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	

PLOT DATE: Apr 16, 2015
 FILENAME: H:\14-PH\2015\PLANS-ENG\REV-D\2014-PH-2009-119th_Street-XSEC.dwg



SCALE:
 1"=10' HORIZ.
 1"=5' VERT.

USER NAME *	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE * Apr 16, 2015	DATE -	REVISED -

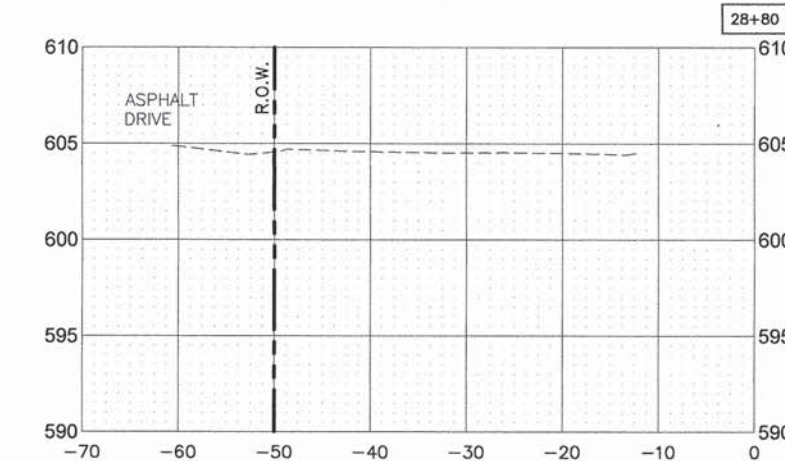
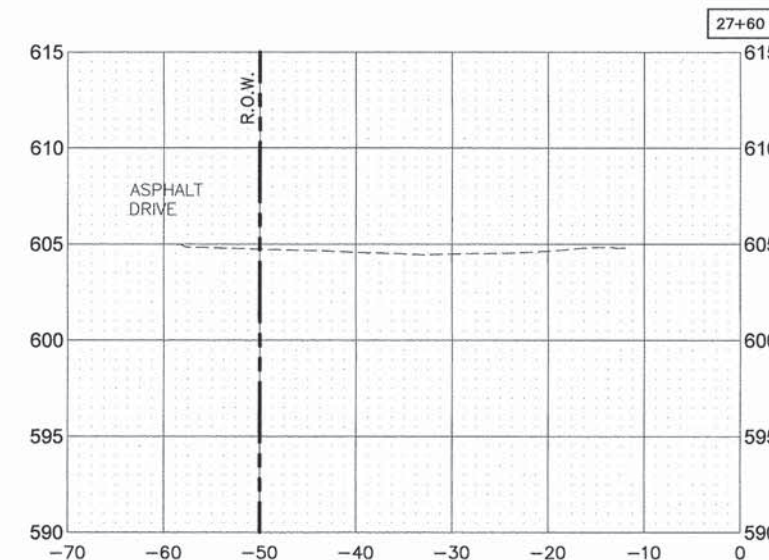
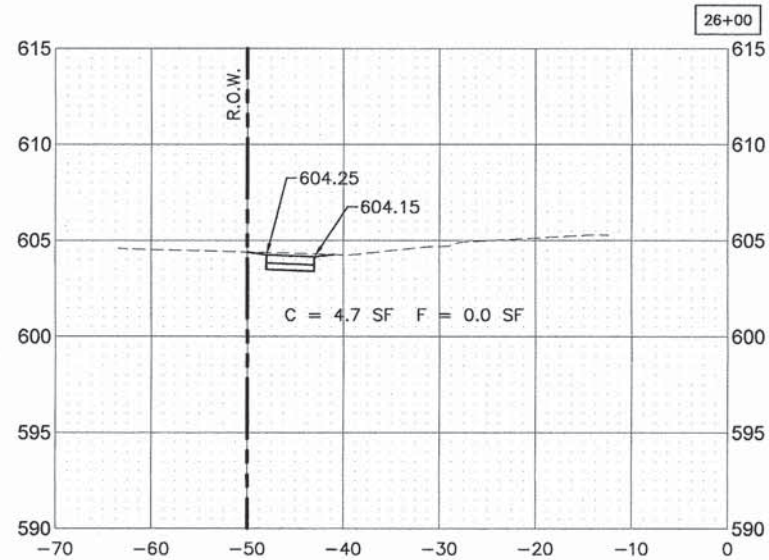
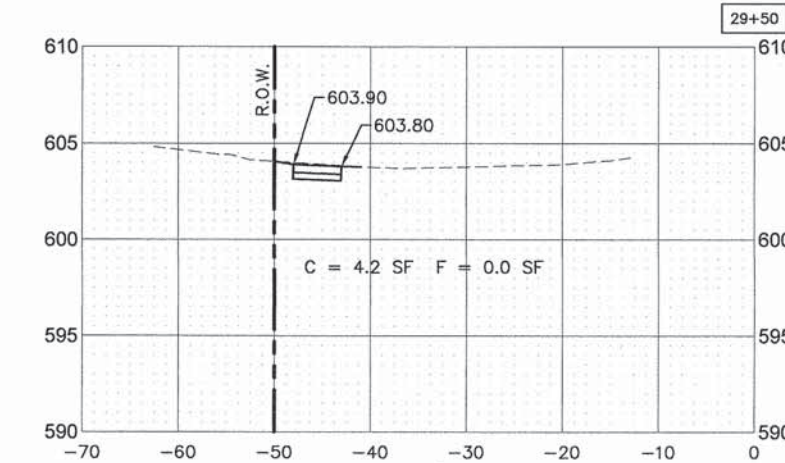
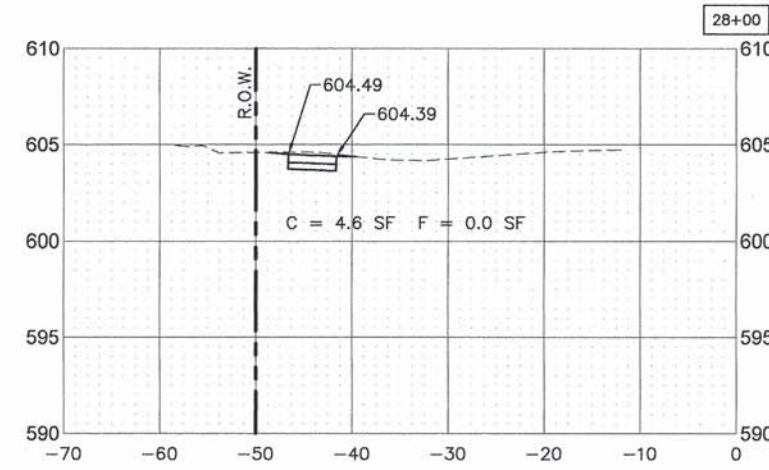
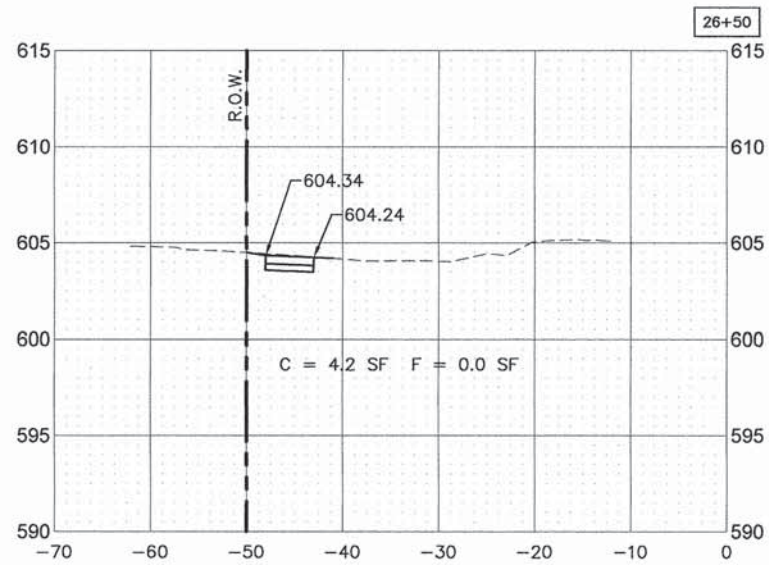
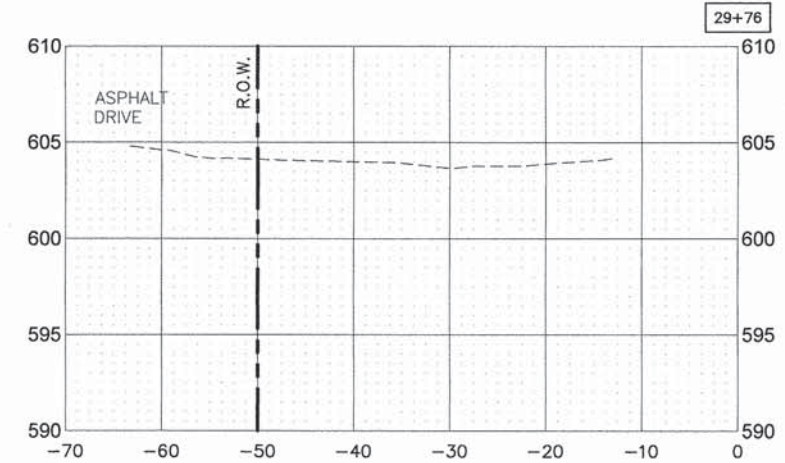
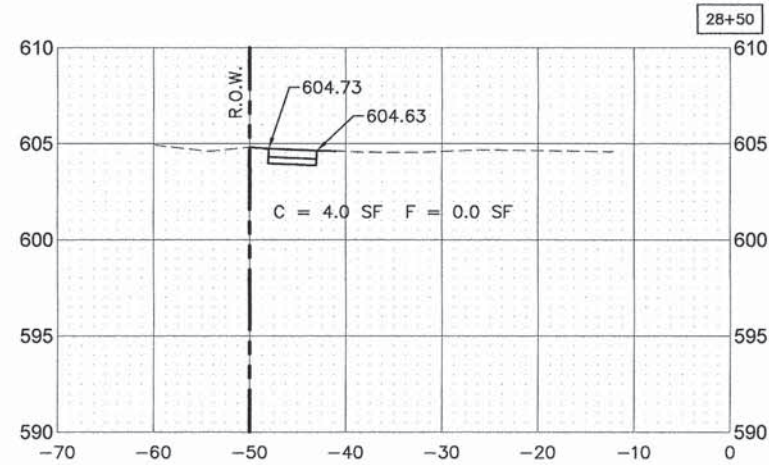
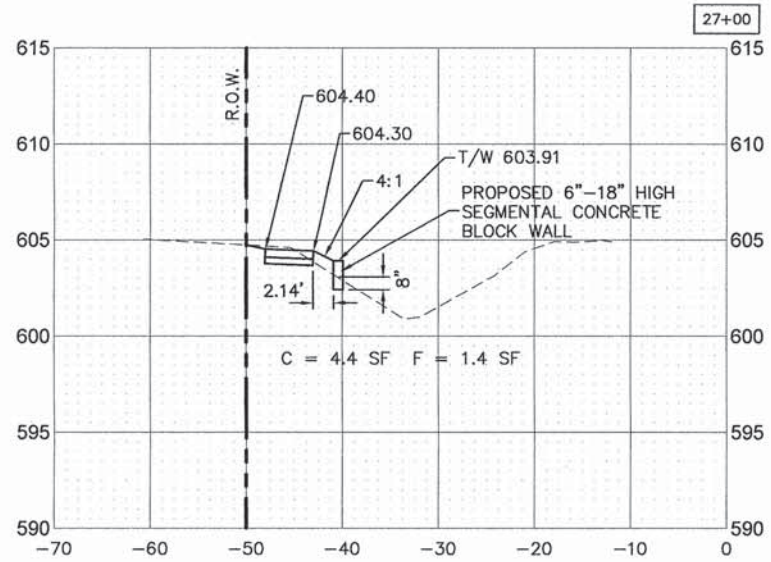
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
119TH STREET CROSS SECTIONS

SCALE: - SHEET NO. 60 OF 64 SHEETS STA. 21+50 TO STA. 25+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	60
				CONTRACT NO. 61B59
ILLINOIS FED. AID PROJECT				

PLOT DATE: Apr 16, 2015
 FILENAME: H:\14-PH\3079\PLANS-ENG\REV-0\2014-PH-3009-119th Street-XSEC.dwg



SCALE:
 1"=10' HORIZ.
 1"=5' VERT.

USER NAME *	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE * Apr 16, 2015	DATE -	REVISED -

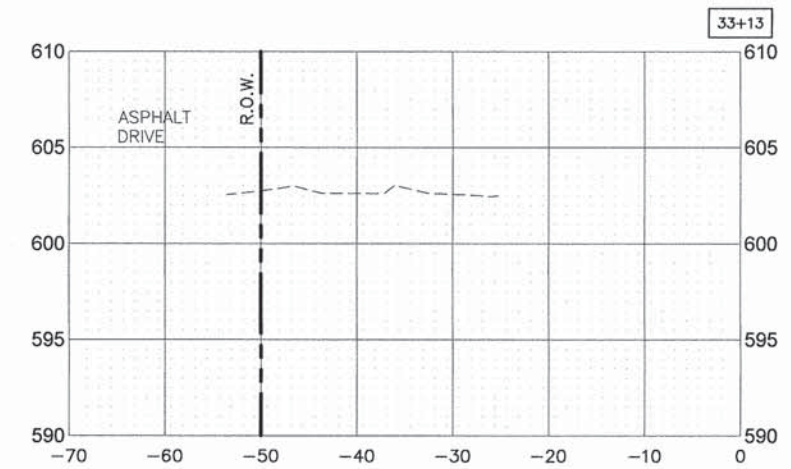
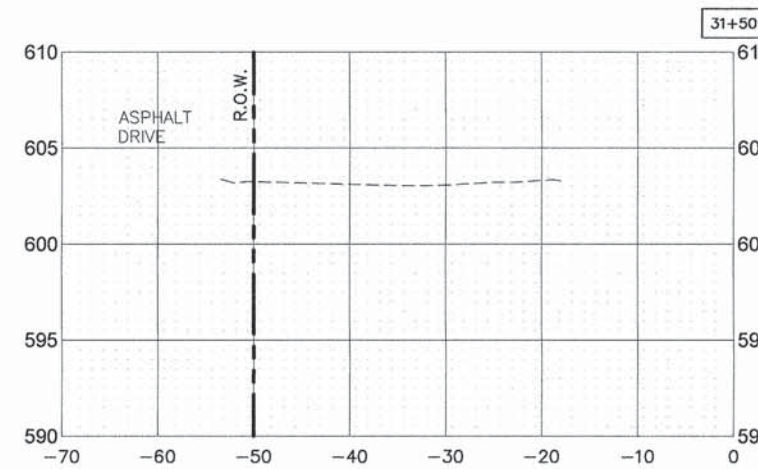
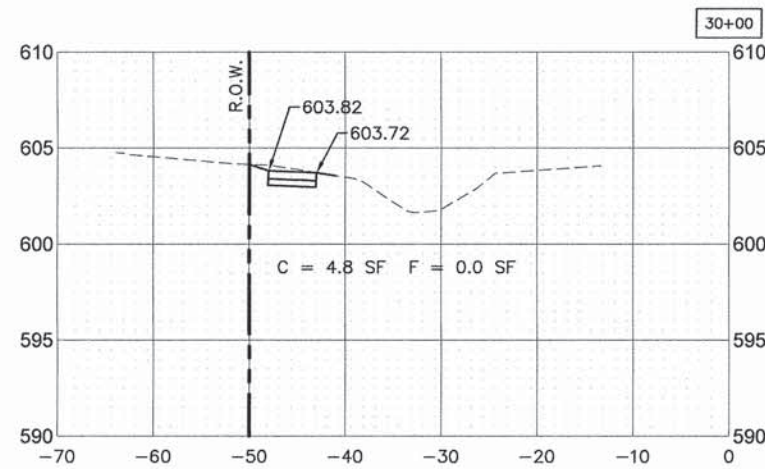
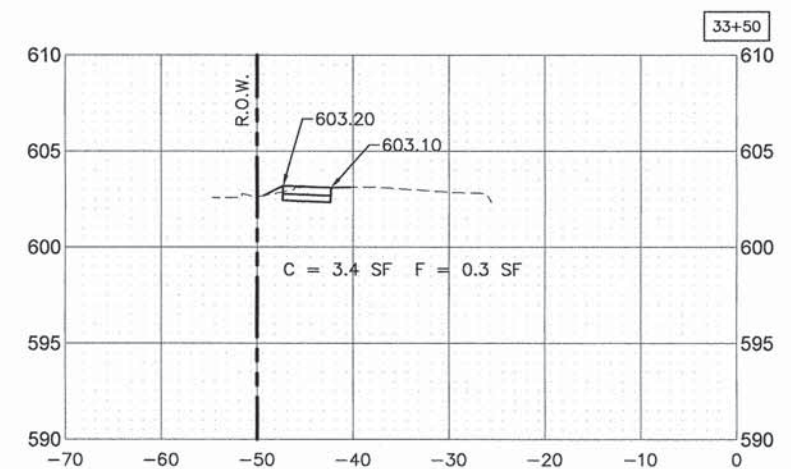
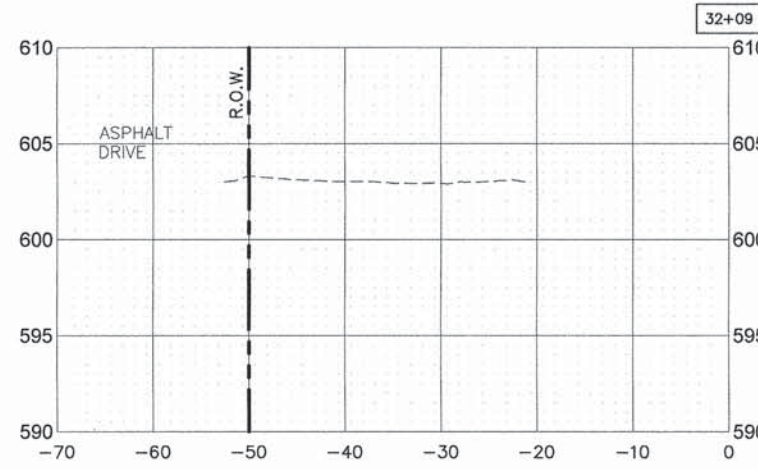
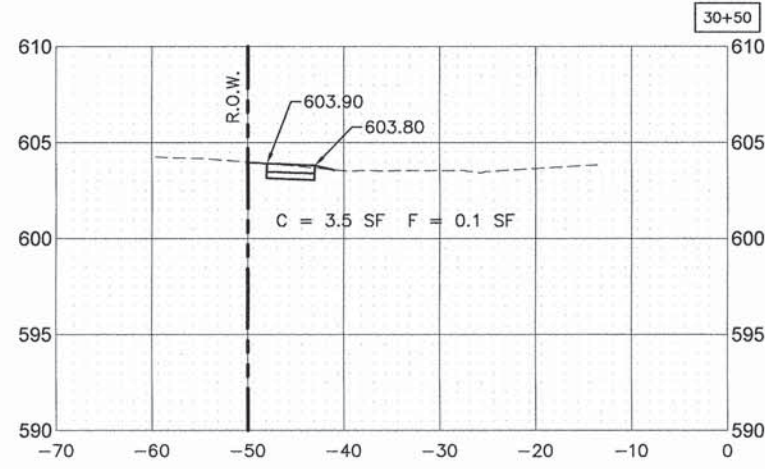
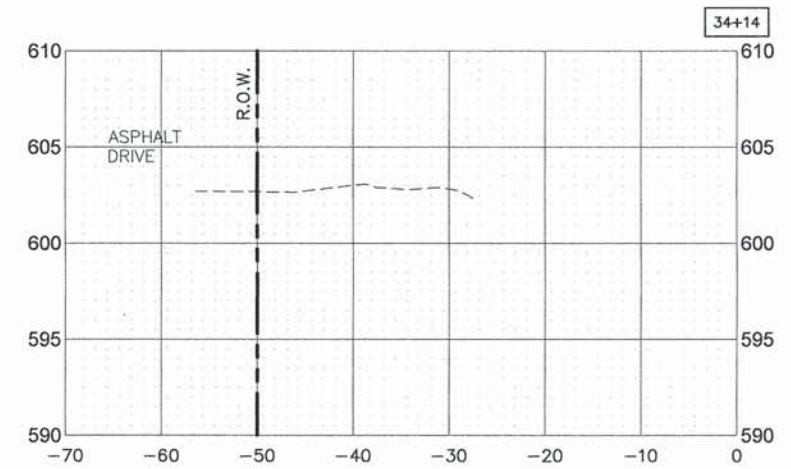
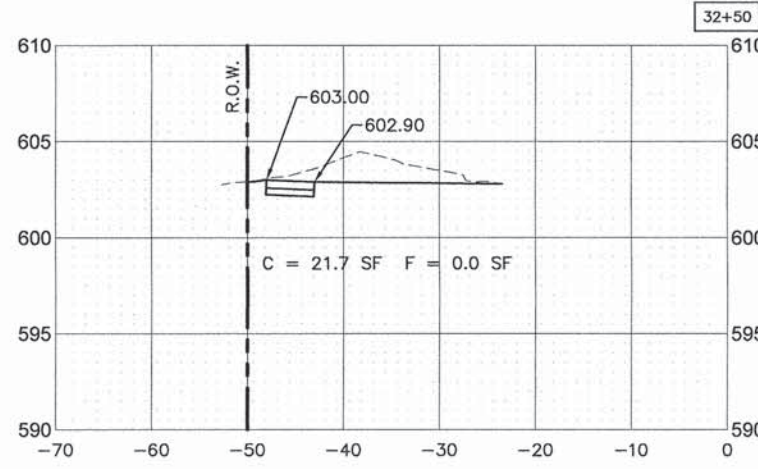
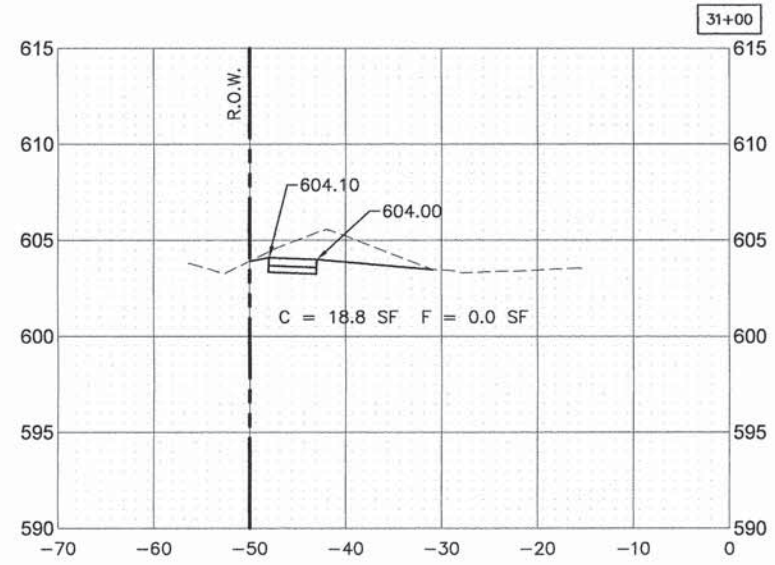
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
 119TH STREET CROSS SECTIONS

SCALE: - SHEET NO. 61 OF 64 SHEETS STA. 26+00 TO STA. 29+76

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	61
				CONTRACT NO. 61B59
ILLINOIS FED. AID PROJECT				

PLOT DATE: Apr 15, 2015
 FILENAME: H:\14-PRJ\2015\ANS-ENG\REV-D\2014-PH-2009-119th_Street-XSEC.dwg



SCALE:
 1"=10' HORIZ.
 1"=5' VERT.

USER NAME *	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE = Apr 15, 2015	DATE -	REVISED -

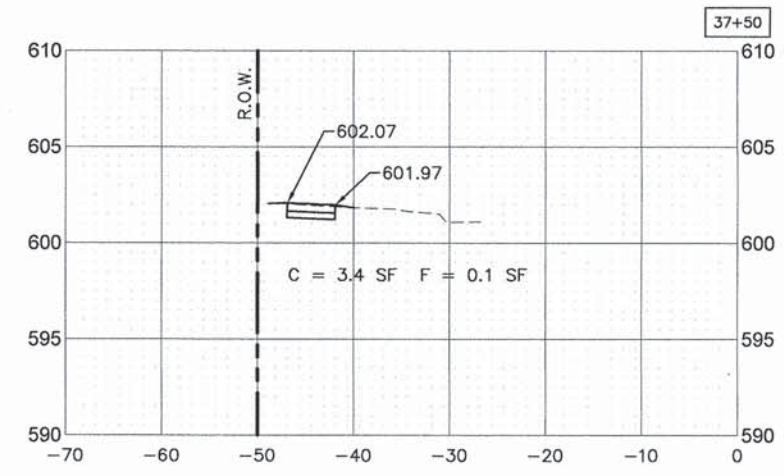
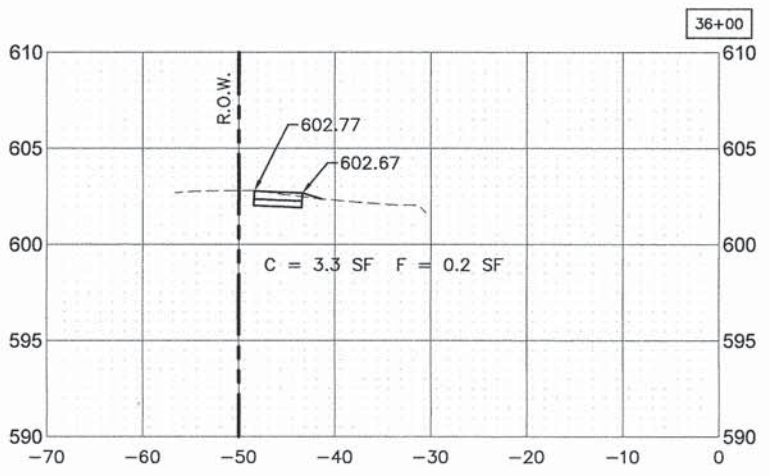
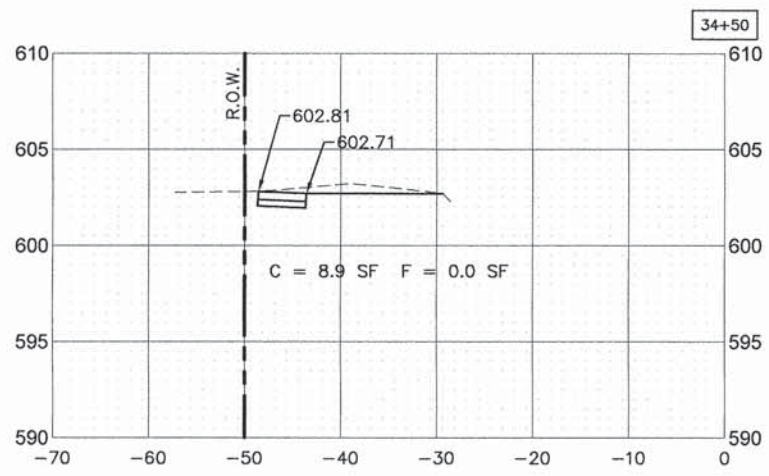
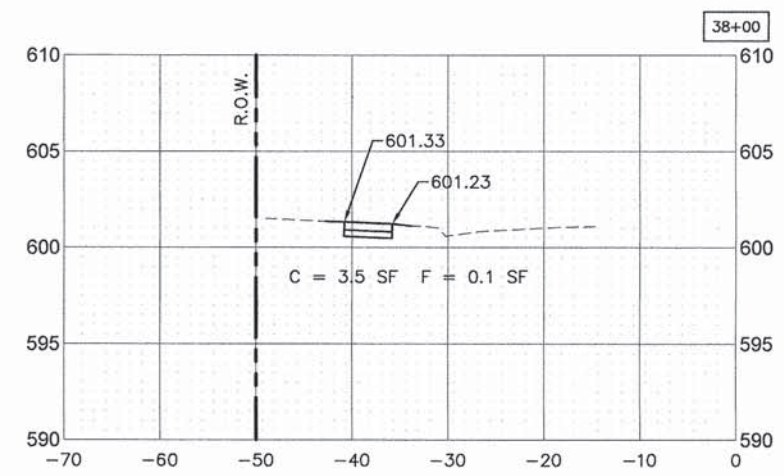
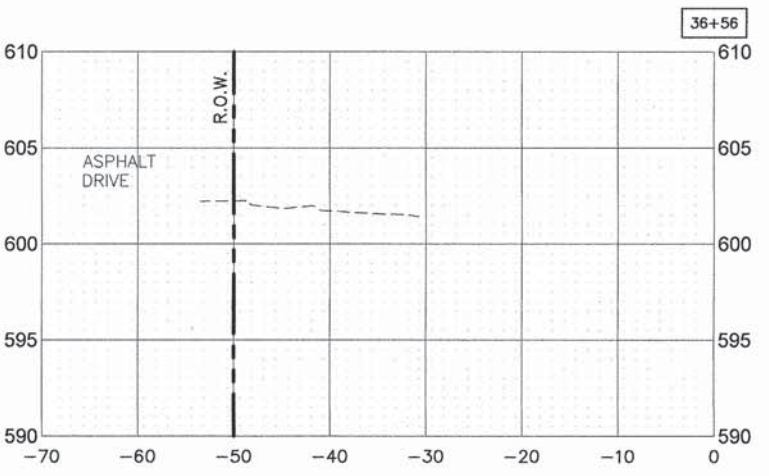
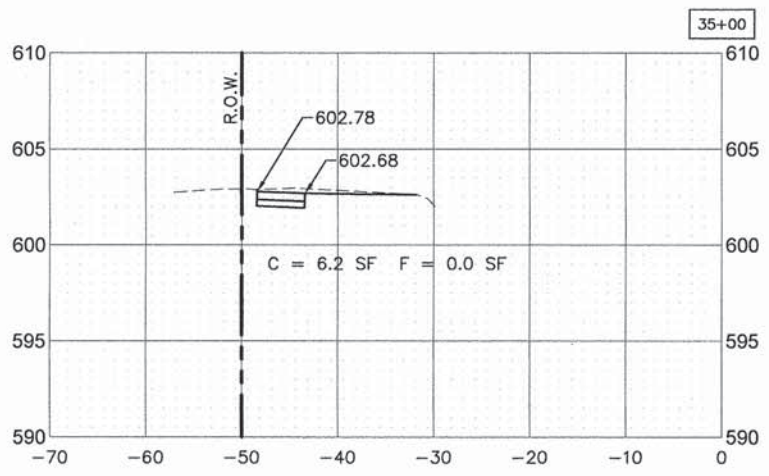
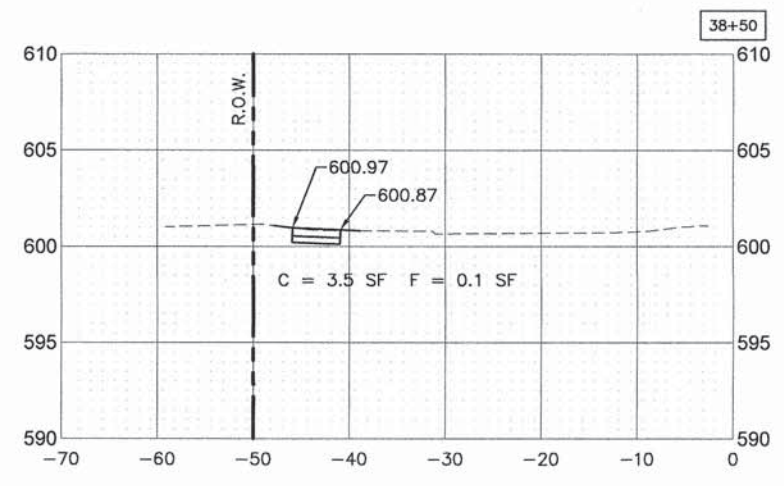
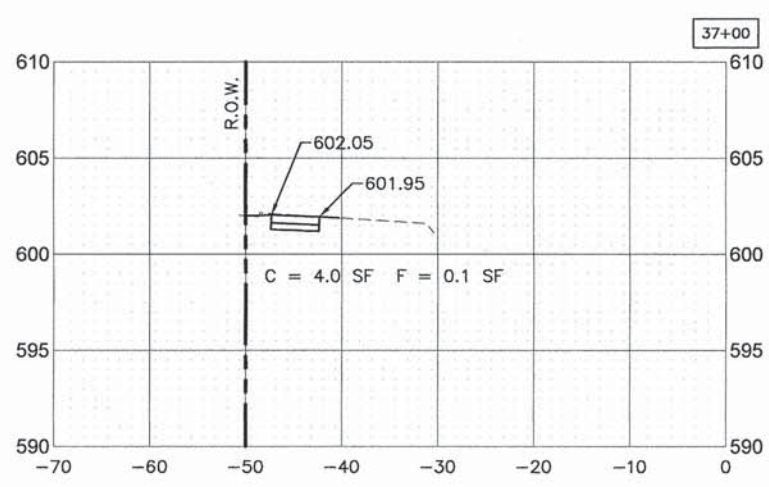
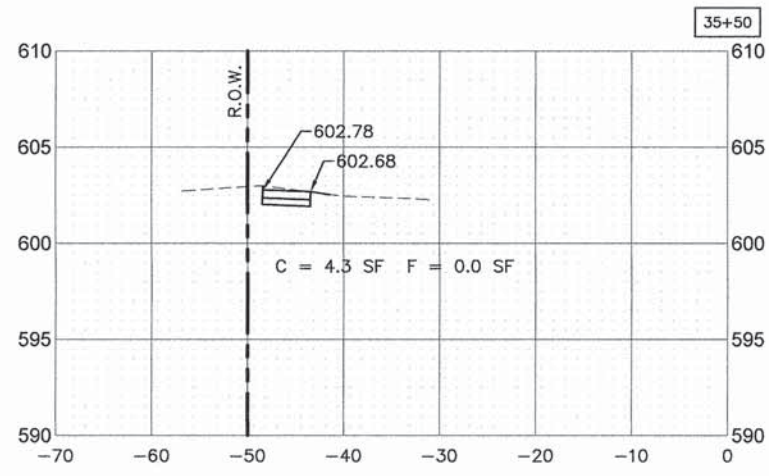
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
119TH STREET CROSS SECTIONS

SCALE: — SHEET NO. 62 OF 64 SHEETS STA. 30+00 TO STA. 34+14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	14-00051-00-SW	COOK	64	62
CONTRACT NO. 61B59			ILLINOIS FED. AID PROJECT	

PLOT DATE: Apr 15, 2015
 FILENAME: H:\4-PHY\309VPLANS-ENG-REV-0\3014-PH-3009-119th_Street-XSEC.dwg



SCALE:
 1"=10' HORIZ.
 1"=5' VERT.

USER NAME =	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE =	CHECKED - AS	REVISED -
PLOT DATE = Apr 15, 2015	DATE -	REVISED -

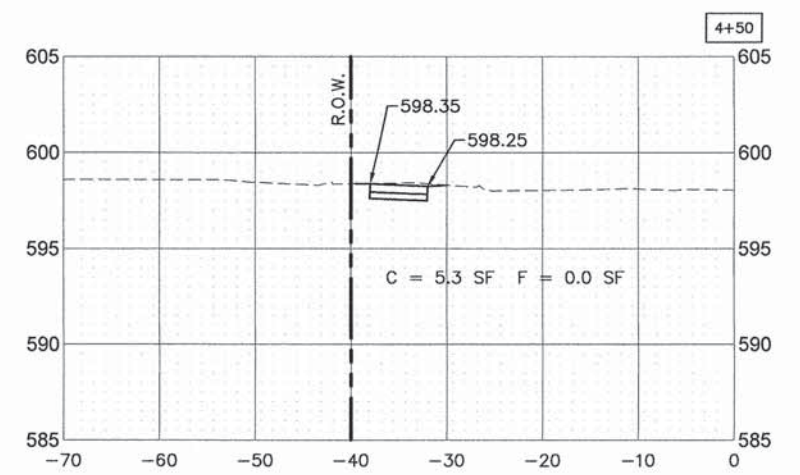
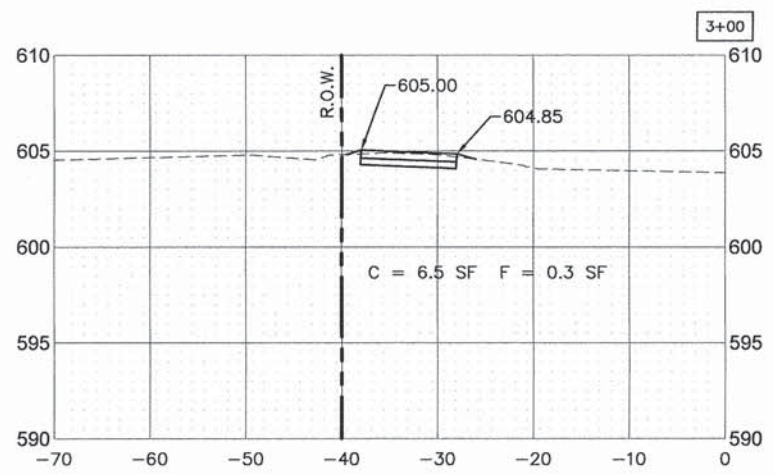
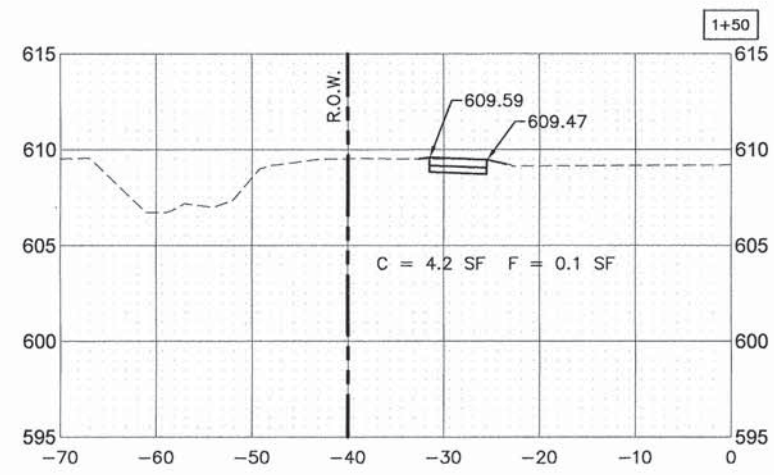
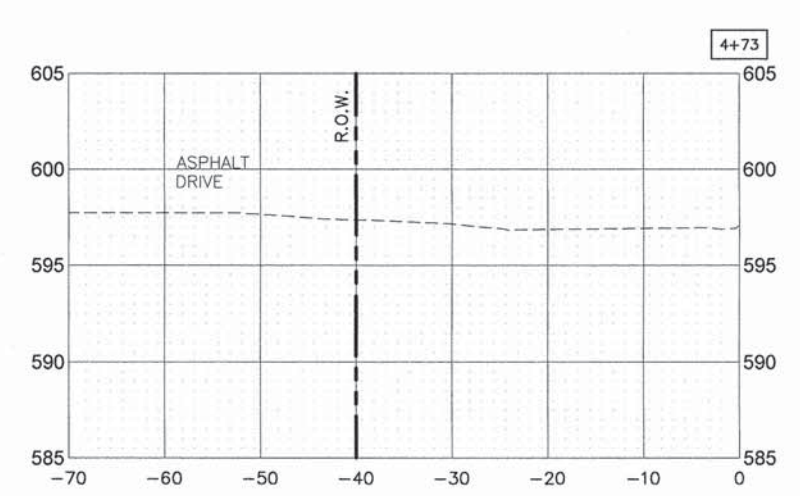
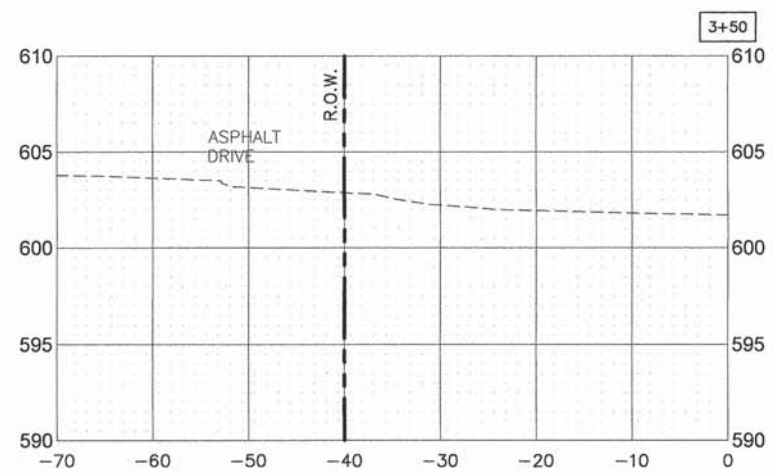
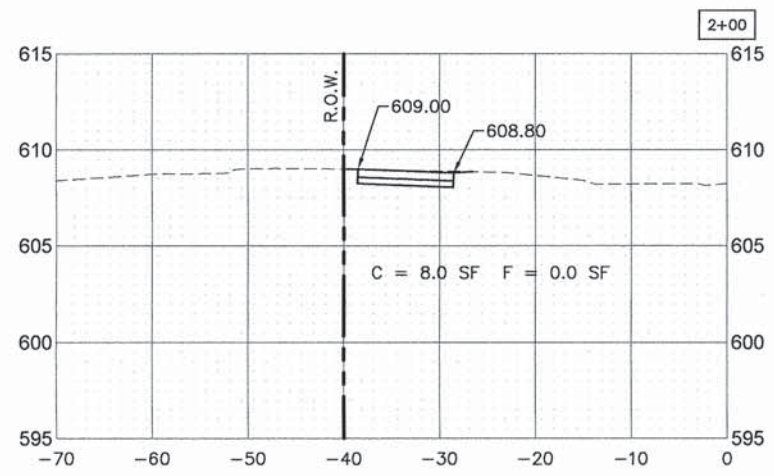
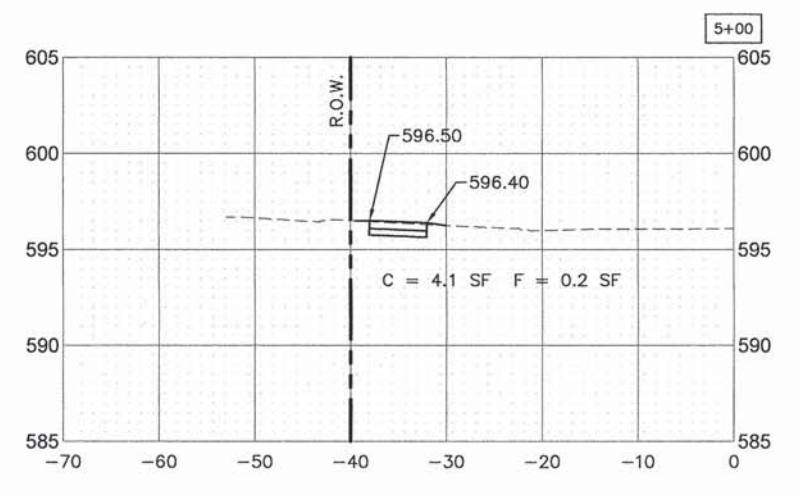
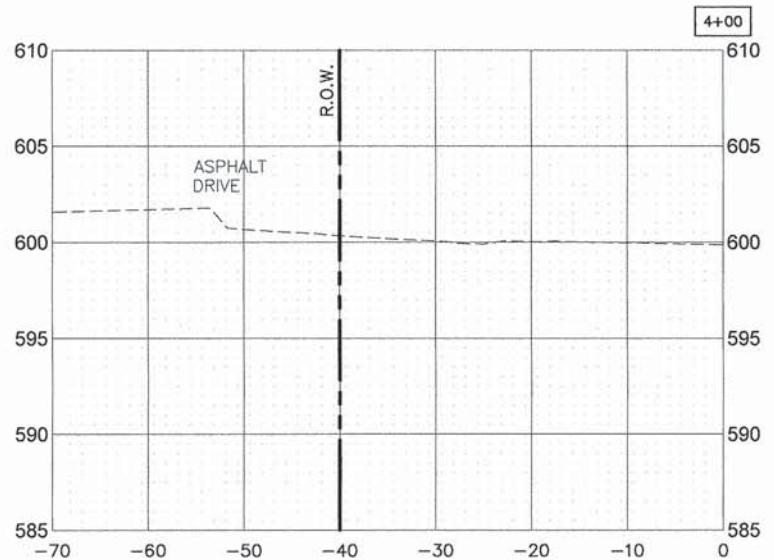
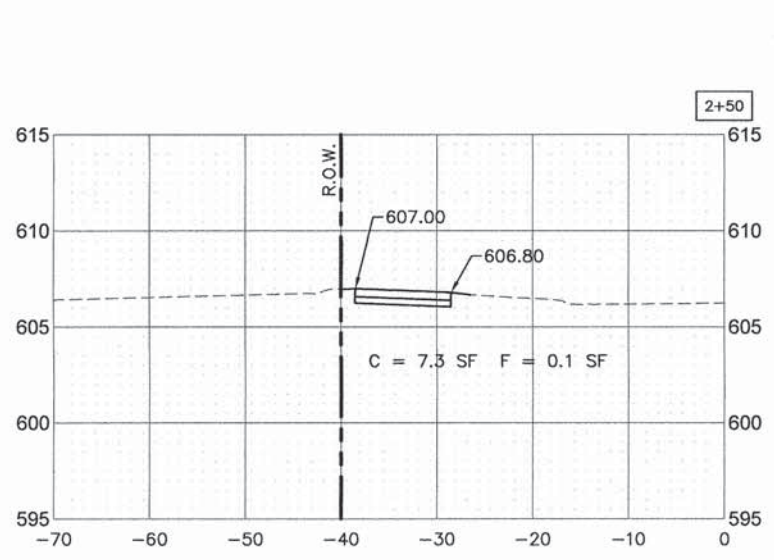
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
 119TH STREET CROSS SECTIONS

SCALE: - SHEET NO. 63 OF 64 SHEETS STA. 34+50 TO STA. 38+50

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 63
				CONTRACT NO. 61B59
ILLINOIS FED. AID PROJECT				

FILED DATE: Apr 15, 2015
 FILED BY: JAVIER GONZALEZ
 PROJECT: RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
 SHEET: 64 OF 64



SCALE:
 1"=10' HORIZ.
 1"=5' VERT.

USER NAME *	DESIGNED - AS	REVISED -
	DRAWN - DJB	REVISED -
PLOT SCALE *	CHECKED - AS	REVISED -
PLOT DATE * Apr 15, 2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RTA FUNDED SIDEWALK & SIGNAL IMPROVEMENTS
76TH AVENUE CROSS SECTIONS

SCALE: - SHEET NO. 64 OF 64 SHEETS STA. 1+50 TO STA. 5+00

F.A.P. RTE. 348	SECTION 14-00051-00-SW	COUNTY COOK	TOTAL SHEETS 64	SHEET NO. 64
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61B59	