

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FAP ROUTE 350 ILLINOIS ROUTE 50 (CICERO AVENUE)

155TH STREET TO 151ST STREET

STREETSCAPE IMPROVEMENTS

SECTION: 14-00103-00-MS

PROJECT: TE-M-4003(903)

CITY OF OAK FOREST

COOK COUNTY

JOB NO. C-91-340-15

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	1
TE-M-4003(520)		ILLINOIS	CONTRACT NO. 61D57	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA

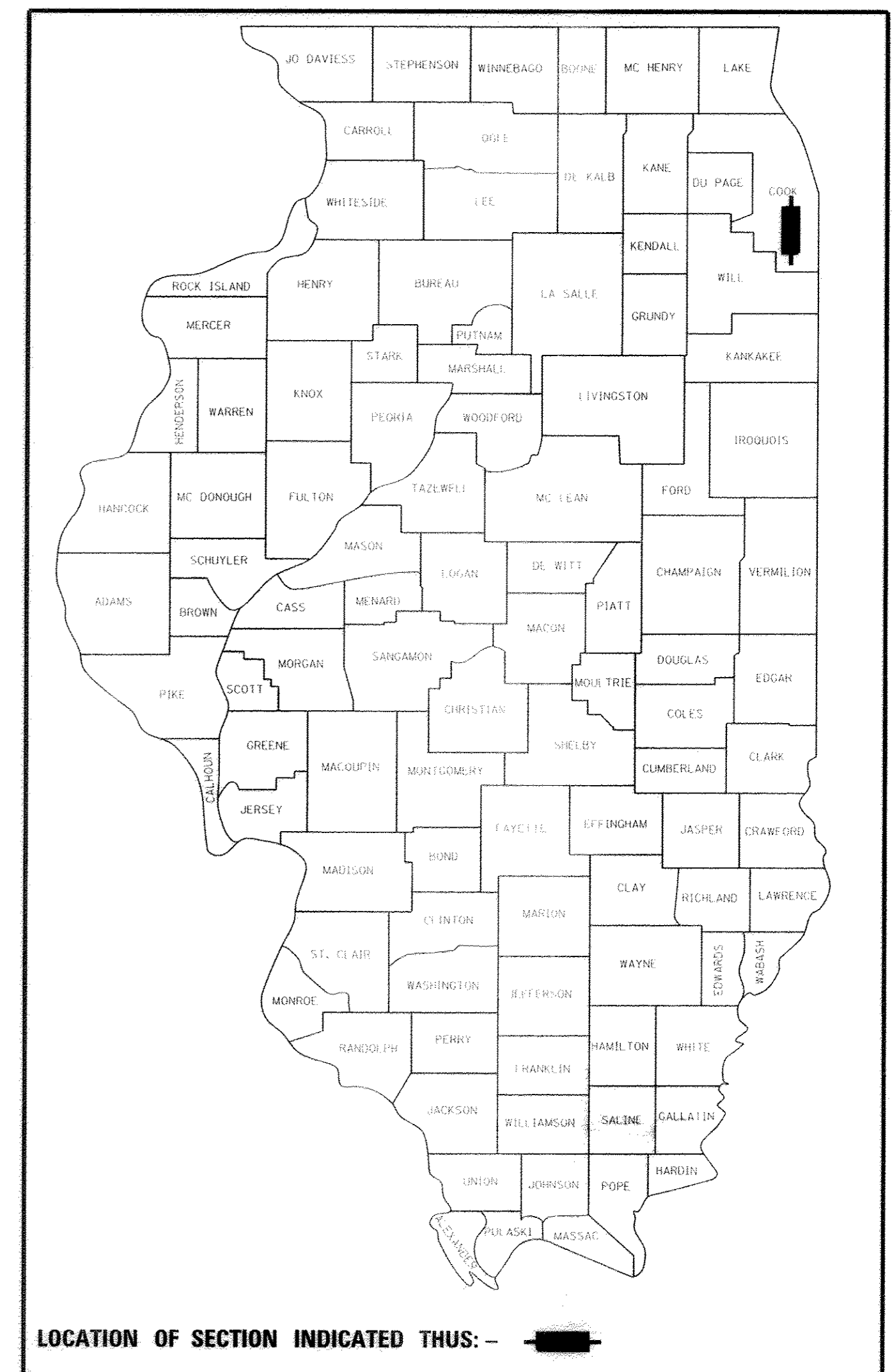
POSTED SPEED LIMIT = 35 MPH

DESIGN SPEED LIMIT = 35 MPH

2013 ADT = 31,800 VPD

FUNCTIONAL CLASSIFICATION

OTHER PRINCIPAL ARTERIAL

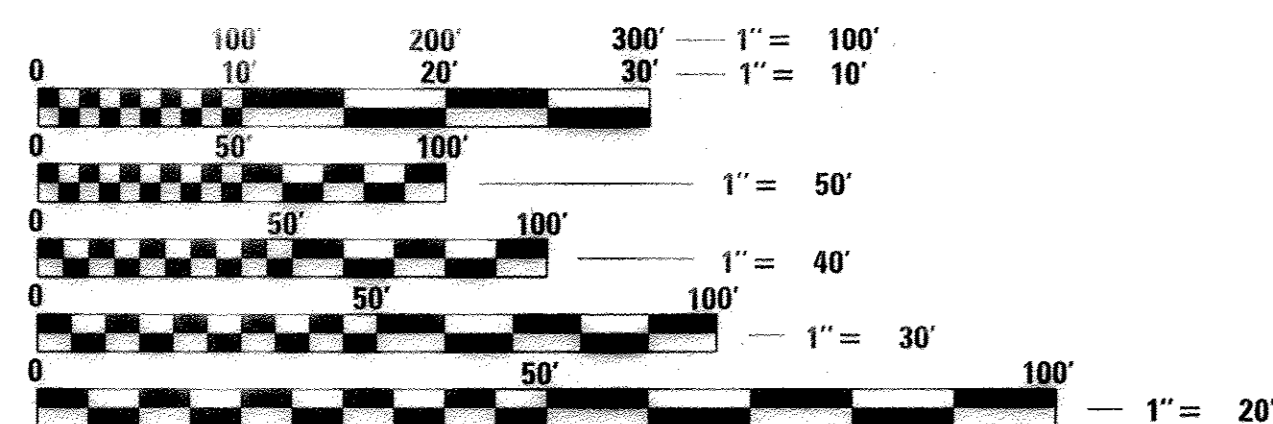


CICERO AVENUE
IMPROVEMENT ENDS
STA 117 + 34.11

CICERO AVENUE
IMPROVEMENT BEGINS
STA 90 + 07.52

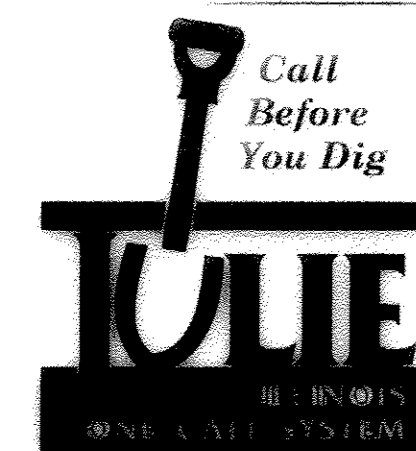


GROSS & NET LENGTH = 2,726.59 FT. = 0.516 MILE



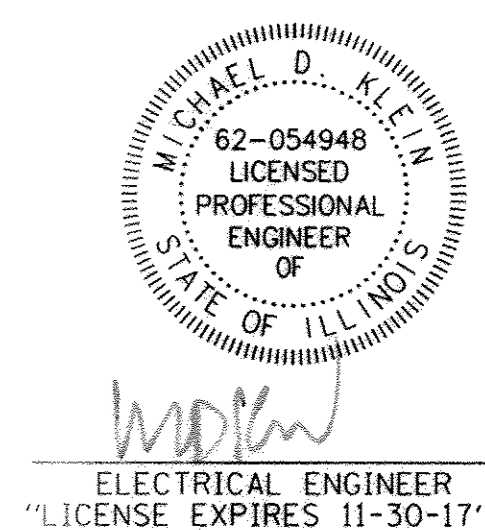
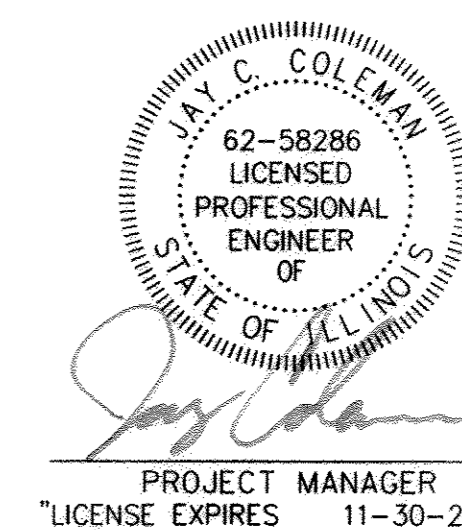
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E. DESIGN STAGE REQUEST
DIG. No. A1892246



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
COUNTY = COOK
CITY-TWNSHP. = OAK FOREST-BREMEN
SEC. & 1/4 SEC. NO. = NW 1/4 S15
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61D57



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED *December 2, 2016*
CITY OF OAK FOREST, CITY ADMINISTRATOR

PASSED *FEB 15 2017*
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW *February 16, 2017*
REGIONAL ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

COMMITMENTS

NONE


HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-09 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424011-03 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424026-01 ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
- 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701602-08 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-06 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 814001-03 HANDHOLES

INDEX OF SHEETS

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- 12 - 16 ROADWAY PLAN
- 17 EROSION CONTROL PLAN
- 18 MAINTENANCE OF TRAFFIC PLAN
- 19 TRAFFIC SIGNAL DETECTOR LOOP REPLACEMENT PLAN
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- 32 - 36 ADA RAMP DETAILS
- 37 DISTRICT 1 DETAIL - DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER \geq 15' (4.5 m) (BD-01)
- 38 DISTRICT 1 DETAIL - CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
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- 41 DISTRICT 1 DETAIL - DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
- 42 DISTRICT 1 DETAIL - ARTERIAL ROAD INFORMATION SIGN (TC-22)

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	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX TO SHEETS, HIGHWAY STANDARDS AND COMMITMENTS	F.A.P. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 2
	DRAWN - CJC	REVISED -			CONTRACT NO. 61D57				
CHECKED - ADJ	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-400315201							
DATE - 1-30-17	FILE - 100744SHT_GenNotes.dgn	SCALE: NONE STA. TO STA.							

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE CITY AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY TO VERIFY THAT GRADE CONFLICTS WILL NOT OCCUR WITH ANY PROPOSED UTILITIES PRIOR TO CONSTRUCTION AND ORDERING ANY MATERIALS. ANY RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, FIBER OPTICS, GAS, WATER, SEWER AND CABLE TELEVISION FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS OFFICE (708-535-4090) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY UTILITY LOCATIONS.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CITY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY WATER IF DEEMED NECESSARY.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNERS, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- EXISTING PAVEMENT, DRIVEWAY PAVEMENT, CURB AND GUTTER AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING.
- CURB AND GUTTER SHALL BE DEPRESSED AT DRIVEWAYS AND SIDEWALK RAMPS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS. SIDEWALK RAMPS FOR ACCESS FOR THE DISABLED SHALL BE PROVIDED AT THE PROPOSED CROSSWALKS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER. SIDE CURBS SHOWN IN IDOT HIGHWAY STANDARDS SHALL NOT BE INSTALLED ON THIS PROJECT.
- PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 8-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES COMMERCIAL DRIVEWAYS AND TO 6-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES RESIDENTIAL DRIVEWAYS. TRANSVERSE EXPANSION JOINTS 3/4" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5- FEET.
- A 1/2-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE PCC DRIVEWAY AND CURB AND GUTTER, AND AT THE JUNCTION OF PCC SIDEWALK WITH PCC DRIVEWAY, PCC FOUNDATIONS, COLORED SIDEWALK, AND CURB AND GUTTER.

- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS OR BUSINESS AND THE CITY WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE CITY TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
- DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF AN ADA-COMPLIANT CAST-IN-PLACE COMPOSITE 24"x48" MINIMUM NOMINAL SIZE PANEL AS MANUFACTURED BY ARMOR-TILE, ADA SOLUTIONS, INC., OR TUFTILE. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSS WALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE PANEL COLOR SHALL BE RED AND SHALL BE APPROVED BY THE VILLAGE. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- IN ACCORDANCE WITH THE VILLAGE ORDINANCE, THE CONTRACTOR SHALL BE REQUIRED TO CONFINE THE WORK ACTIVITY BETWEEN 7:00 AM-7:00 PM MONDAY THROUGH FRIDAY, 9:00 AM-5:00 PM SATURDAYS. WORK ON SATURDAYS SHALL BE COORDINATED AND APPROVED IN WRITING BY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE. NO WORK WILL BE PERMITTED ON SUNDAY OR HOLIDAYS LISTED IN ARTICLE 107.09 OF THE STANDARD SPECIFICATIONS WITHOUT THE ENGINEER'S WRITTEN APPROVAL. WORK ACTIVITY, AS INTENDED HEREIN, INCLUDES WARMING/STARTING UP/IDLING OF ANY MACHINERY OR ENGINES.
- THE CONTRACTOR WILL NOT BE ALLOW TO LEAVE DEBRIS OR LOOSE MATERIAL IN THE FLOW LINE OF DRAINAGE STRUCTURES OR WHERE THE NATURAL FLOW OF WATER MAY BE AFFECTED. DEBRIS OR LOOSE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY AND PRIOR TO ACCEPTANCE OF THE IMPROVEMENT. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS.
- AGGREGATE BASE COURSE, TYPE B - 4" SHALL BE INSTALLED UNDER ALL DRIVEWAY PAVEMENTS CONSTRUCTED ACCORDING TO IDOT DISTRICT ONE DETAIL BD-01. THE AGGREGATE BASE COURSE, TYPE B - 4" WILL BE PAID FOR SEPARATELY.
- IT SHALL BE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD AT THE JOB SITE PRIOR TO BIDDING ON THE PROJECT AND PRIOR TO ORDERING MATERIALS AND COMMENCEMENT OF CONSTRUCTION. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, THE CONTRACTOR MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK; OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, SPECIALS PROVISIONS, STANDARD SPECIFICATIONS AND/OR DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE MEANING OF THE CONSTRUCTION PLANS AND/OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.
- THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
- ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.

- THE DETAIL FOR COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT SHOWN IN THE PLANS SHALL BE MODIFIED TO INCLUDE THE FOLLOWING. THE WORK SHALL INCLUDE SAW-CUTTING AND REMOVING THE EXISTING PAVEMENT A MINIMUM OF 6-INCHES MEASURED FROM THE EXISTING EDGE OF PAVEMENT, AND FILLING THE 6" GAP WITH CLASS SI CONCRETE TO AN ELEVATION 2-1/2" BELOW THE PROPOSED CURB AND GUTTER FLAG.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL ABOVE AND BELOW GROUND UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR UTILITY OWNER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY AND COORDINATE WITH IMPACTED UTILITY OWNERS AND HIS CONSTRUCTION SCHEDULE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
- SOME RAVELING IS ANTICIPATED ALONG EDGES OF EXISTING PAVEMENT ADJACENT TO REMOVALS. TO MAKE THE NECESSARY REPAIRS, INCIDENTAL HOT-MIX ASPHALT SURFACING ALONG WITH THE APPROPRIATE REMOVAL PAY ITEMS SHALL BE USED AS DIRECTED BY THE ENGINEER.
- IN THE EVENT THAT THE CONTRACT IS STILL ACTIVE DURING THE 2018 OAK FOREST FLEADH FESTIVAL AND RELATED EVENTS, THE CONTRACTOR WILL NOT BE PERMITTED TO WORK DURING THE FESTIVAL NOR DURING THE THREE DAYS PRIOR TO THE FESTIVAL. THE DATES FOR THESE EVENTS HAVE NOT YET BEEN SELECTED BUT TYPICALLY OCCUR DURING THE FIRST OR SECOND WEEK IN MARCH. ADDITIONALLY, DURING THESE EVENTS, ALL CONSTRUCTION DEBRIS AND EQUIPMENT SHALL BE REMOVED; OPEN EXCAVATIONS SHALL BE FILLED OR SECURED TO THE SATISFACTION OF THE ENGINEER; AND ANY CONSTRUCTION RELATED SAFETY CONCERNS SHALL BE ADDRESSED TO THE SATISFACTION OF THE ENGINEER.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
 SCALE: NONE STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	3
CONTRACT NO. 61D57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-400315201				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SAFETY	STREETSCAPE
				0021	0031
				STP	STE
80/20	80/20				
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	24		24
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18		18
20101000	TEMPORARY FENCE	FOOT	110		110
* 20101200	TREE ROOT PRUNING	EACH	5		5
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	4		4
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	1		1
* 20101700	SUPPLEMENTAL WATERING	UNIT	5	5	
20200100	EARTH EXCAVATION	CU YD	615	615	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	492	492	
20800150	TRENCH BACKFILL	CU YD	12	12	
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	168	168	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	21	21	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	21	21	
* 25200110	SODDING, SALT TOLERANT	SQ YD	1,415	1,415	
* 25200200	SUPPLEMENTAL WATERING	UNIT	13	13	

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SAFETY	STREETSCAPE
				0021	0031
				STP	STE
80/20	80/20				
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	33	33	
28000400	PERIMETER EROSION BARRIER	FOOT	1,350	1,350	
28000510	INLET FILTERS	EACH	36	36	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	8,827	3,201	5,626
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	53		53
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	387		387
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	54		54
40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	1,386	1,386	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	150	150	
42001300	PROTECTIVE COAT	SQ YD	8,966	8,966	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	66		66
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	1,360		1,360
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	22,859	22,859	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	265	265	
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	5,683	5,683	

* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	4
CONTRACT NO. 61D57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-40031520				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SAFETY	STREETSCAPE
				0021	0031
				STP	STE
				80/20	80/20
42400800	DETECTABLE WARNINGS	SQ FT	150	150	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	3,082		3,082
44000300	CURB REMOVAL	FOOT	1,451		1,451
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	238		238
44000600	SIDEWALK REMOVAL	SQ FT	21,318	21,318	
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	20	20	
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	60	60	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	36	36	
* 56400100	FIRE HYDRANTS TO BE MOVED	EACH	2		2
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	2		2
* 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	11		11
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1	
60250200	CATCH BASINS TO BE ADJUSTED	EACH	5	5	
60255500	MANHOLES TO BE ADJUSTED	EACH	21		21
60260100	INLETS TO BE ADJUSTED	EACH	5		5

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SAFETY	STREETSCAPE
				0021	0031
				STP	STE
				80/20	80/20
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	8		8
60266600	VALVE BOXES TO BE ADJUSTED	EACH	2		2
60600605	CONCRETE CURB, TYPE B	FOOT	1,150		1,150
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	192		192
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	75		75
67100100	MOBILIZATION	LSUM	1		1
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	260	260	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	150	150	
72000100	SIGN PANEL - TYPE 1	SQ FT	75	75	
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	12	12	

* INDICATES SPECIALTY ITEM

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - CAC	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	5
CONTRACT NO. 61D57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-400315201				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SAFETY	STREETSCAPE
				0021	0031
				STP 80/20	STE 80/20
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	53	53	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	150	150	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	80	80	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	120	120	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	565	565	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	45	45	
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1	
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	LSUM	1	1	
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	2,183	2,183	
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	75	75	
* 81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	3	3	
* 82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1	1	
* 83002600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM	EACH	28	28	
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	222	222	
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	224	224	

* INDICATES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				SAFETY	STREETSCAPE
				0021	0031
				STP 80/20	STE 80/20
* 84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	54	54	
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	54	54	
* 84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2	2	
* 84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2	2	
* 84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2	2	
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	210	210	
* 89502376	REBUILD EXISTING HANDHOLE	EACH	5		5
* 89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	2		2
* 89502380	REMOVE EXISTING HANDHOLE	EACH	3		3
* B2001616	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 2" CALIFER, TREE FORM, BALLED AND BURLAPPED	EACH	5		5
Z0003850	BENCHES	EACH	7		7
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1,823		1,823
Z0013798	CONSTRUCTION LAYOUT	LSUM	1		1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52		52

* INDICATES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

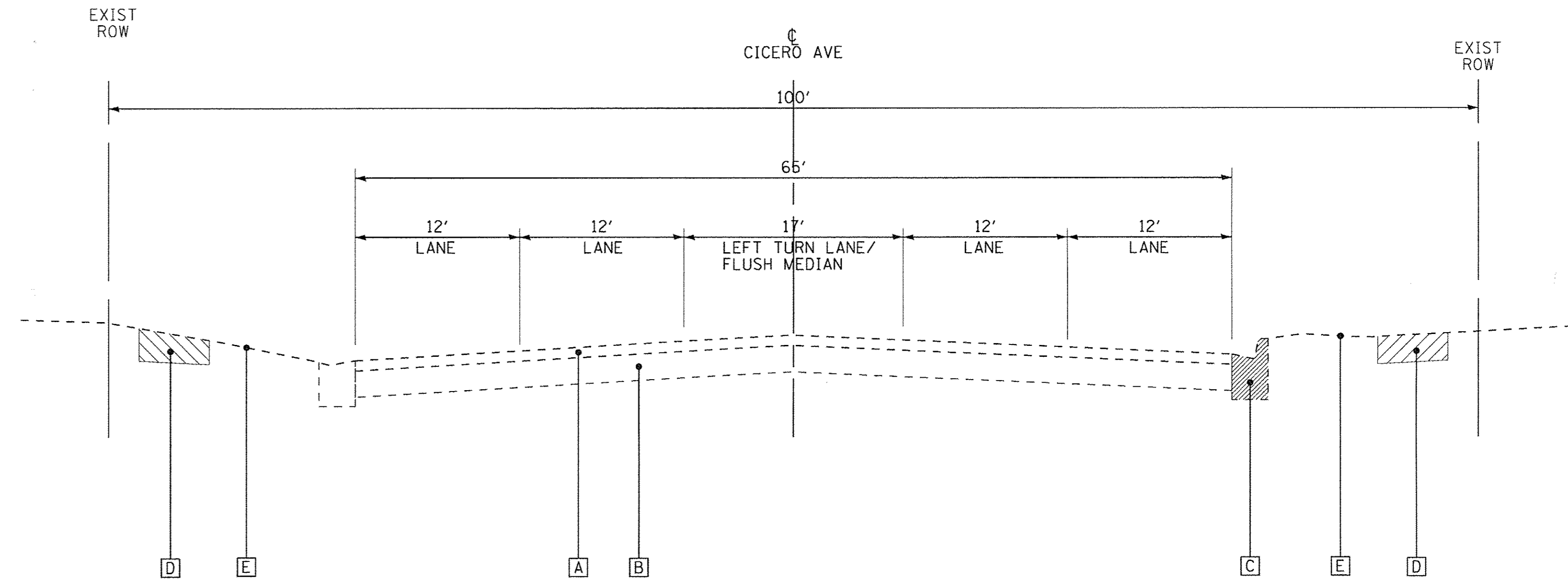
STA. TO STA.

F.A.P. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 6
CONTRACT NO. 61D57				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-40031520				

- EXISTING LEGEND**
- [A] HMA PAVEMENT
 - [B] PCC PAVEMENT
 - [C] COMBINATION CONCRETE CURB AND GUTTER
 - [D] SIDEWALK
 - [E] GROUND
 - [Hatched] REMOVAL ITEM

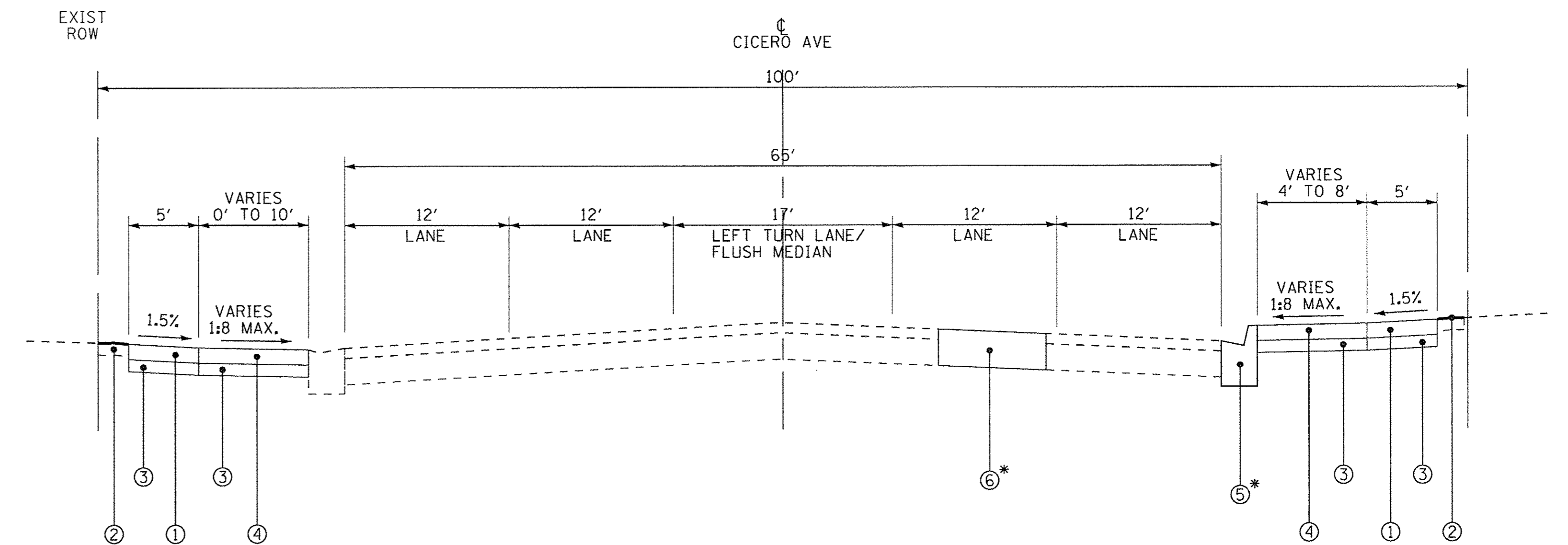
- PROPOSED LEGEND**
- ① PCC SIDEWALK 5 INCH
 - ② TOPSOIL EXCAVATION AND PLACEMENT (4 INCH DEPTH) SODDING
 - ③ AGGREGATE BASE COURSE TYPE B 4 INCH
 - ④ STAMPED COLORED PCC SIDEWALK, 5 INCH
 - ⑤ CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT*
 - ⑥ CLASS D PATCHES, 14" *

* AT LOCATIONS DETERMINED BY THE ENGINEER



EXISTING TYPICAL SECTION

CICERO AVENUE
STA 90+07.52 TO STA 117+34.11



PROPOSED TYPICAL SECTION

CICERO AVENUE
STA 90+07.52 TO STA 117+34.11

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 2"	4% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19mm); CE - 8" (IN 3 LIFTS), PE - 6" (IN 3 LIFTS),	4% @ 50 Gyr.
INCIDENTAL HOT-MIX ASPHALT SURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 3"	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19.0mm)	4% @ 70 Gyr.

- NOTES:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
 2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76 -22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64 -22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
 3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: NONE

STA. TO STA.

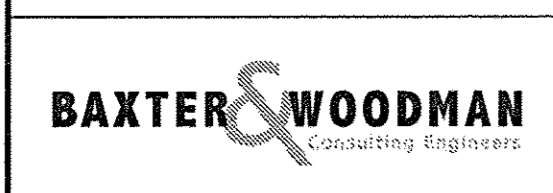
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-4003620			CONTRACT NO. 61D57	

DRIVEWAY SCHEDULE															
STATION	SIDE	TYPE	35101600 AGGREGATE BASE COURSE, TYPE B 4"	35501308 HOT-MIX ASPHALT BASE COURSE, 6"	35501316 HOT-MIX ASPHALT BASE COURSE, 8"	40603335 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 TON	42300200 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH SQ YD	42300400 PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH SQ YD	44000200 DRIVEWAY PAVEMENT REMOVAL SQ YD	44000300 CURB REMOVAL FOOT	44000500 COMBINATION CURB AND GUTTER REMOVAL FOOT	60800605 CONCRETE CURB, TYPE B FOOT	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 FOOT	X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE) EACH	X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE) EACH
91+60	LT	CE							31	23					
92+07	RT	CE	29					19	26		40		42		1
92+40	RT	CE	28					18	26		38		40		1
92+43	LT	CE	43					38	57	69		73			1
93+15	LT	CE	45					38	37		31		26		1
93+50	RT	CE	45					43	61	37		25			1
93+95	RT	CE	43					38	58	59		83			1
94+50	RT	CE							58	37					
94+92	LT	CE	34					32	27	39		24			1
94+93	RT	CE	32					30	43	37		24			1
95+30	RT	PE	23				21		28	30		21		1	
95+45	LT	CE	35					33	45	26		25			1
96+05	RT	CE	32					30	44	22		20			1
96+44	RT	CE	34					32	45	22		20			1
97+12	LT	CE							40	18					
97+80	LT	CE	110		85	10		25	128	23					1
97+93	RT	CE	30					28	37	21		20			1
98+38	LT	CE	20					20	39	18					1
98+40	RT	CE	30					28	35	17		20			1
98+73	LT	CE							19	23					
98+99	RT	CE	35					33	41	20		20			1
99+07	LT	CE	215		195	23		20	236	25					1
99+50	RT	CE	19					17	24	22		20			1
99+52	LT	CE	21					21	38	16					1
100+09	LT	CE	32					30	44	23		19			1
100+16	RT	CE	27					25	36	23		20			1
100+92	RT	CE							76	54					
101+14	RT	CE	112		72	9		36				71			1
101+28	LT	PE							23	21					
101+38	RT	CE							77	28					
104+22	RT	CE	12						92		48		51		
105+03	RT	CE	47					39	60		34		33		1
105+95	LT	CE	45					43	62	23		23			1
106+12	RT	CE							52	24					
106+42	RT	CE	34					32				23			1
106+87	RT	CE	23					21	31	29		20			1
107+58	RT	CE	20					18	67	16		23			1
108+35	RT	CE	30					28	42	25		20			1
109+20	LT	CE	44					42	61	25		23			1
109+21	RT	CE							18						
110+10	LT	CE							47		36				
110+45	RT	CE							29	21					
110+90	RT	CE	23					21	30	17		20			1
111+08	LT	CE	22					22	42	19					1
111+50	RT	CE	22					20	28	28		20			1
111+85	LT	CE	55		35	5		20	61		11				1
112+01	RT	CE	20					18	26	25		20			1
112+22	LT	CE							38	23					
112+55	RT	CE	17					15	19	31		21			1
112+50	LT	CE	33					33							1
112+77	LT	CE							49	24					
113+12	RT	CE	27					25	37	19		21			1
113+47	LT	CE	30					28	42	8		24			1
113+68	RT	PE	37	23		3	12	40	27	21		21		1	
114+06	LT	PE	22				20	27	23	23		24		1	
114+20	RT	PE	45	30		4	13	49	18	18		20		1	
114+99	RT	CE	35					33	49	32		21			1
115+25	LT	CE	46					44	65	31		25			1
115+83	LT	CE							68	49					
151st ST	LT	CE	238					224	247	161		250			1
151st ST	RT	CE	2						125			26			
TOTALS			2,003	53	387	54	66	1,360	3,082	1,451	238	1,150	192	4	41

COMBINATION CONCRETE CURB AND GUTTER SCHEDULE			
FROM	TO	SIDE	Z004562 COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT FOOT
91+28	91+84	LT	56
94+19	95+20	LT	101
94+25	94+81	RT	56
96+42	96+48	LT	17
96+71	99+75	LT	316
100+67	101+64	RT	97
101+07	101+47	LT	40
103+05	103+14	LT	18
103+05	103+13	RT	18
103+37	103+50	RT	24
103+38	103+50	LT	22
103+85	104+53	RT	68
105+87	106+73	RT	86
107+26	107+90	RT	64
108+93	109+81	RT	97
109+80	110+31	LT	51
110+05	110+69	RT	73
110+84	113+04	LT	220
116+17	116+39	RT	26
116+19	116+45	LT	156
116+77	116+85	LT	17
AS DIRECTED BY ENGINEER			200
TOTALS			1,823

RESTORATION SCHEDULE								
FROM	TO	SIDE	21101505 TOPSOIL EXCAVATION AND PLACEMENT CU YD	25000400 NITROGEN FERTILIZER NUTRIENT POUND	25000600 POTASSIUM FERTILIZER NUTRIENT POUND	25200110 SODDING, SALT TOLERANT SQ YD	25200200 SUPPLEMENTAL WATERING UNIT	28000250 TEMPORARY EROSION CONTROL SEEDING POUND
90+09	103+10	RT	35	4	4	297	3	7
90+17	96+45	LT	7	1	1	60	1	2
96+74	103+10	LT	16	2	2	130	1	3
103+42	109+76	RT	14	2	2	114	1	3
103+43	117+34	LT	58	7	7	489	4	11
110+07	116+29	RT	38	5	5	325	3	7
TOTALS			168	21	21	1,415	13	33

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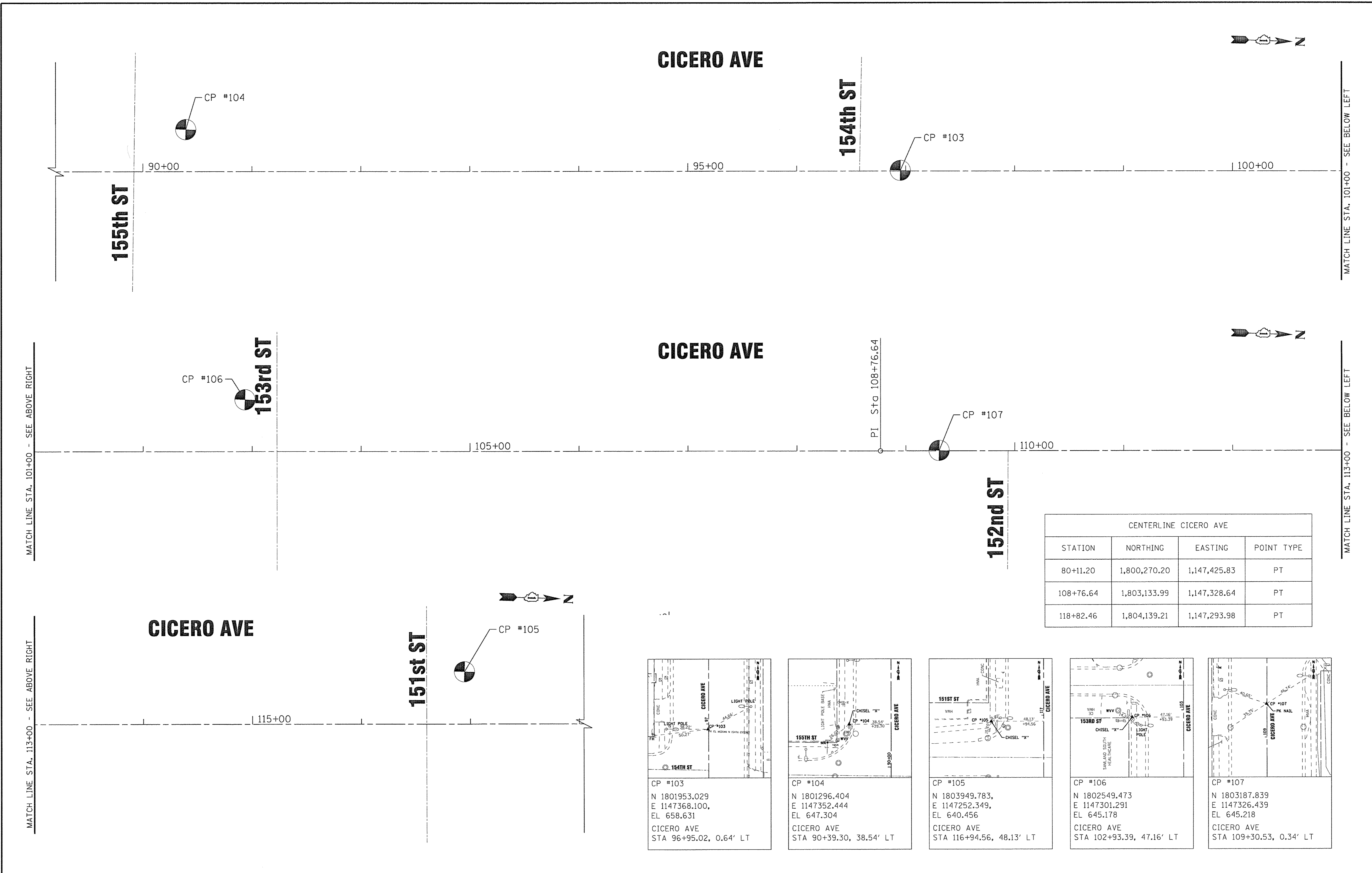
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: NONE STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-M-400315201			CONTRACT NO. 61D57	

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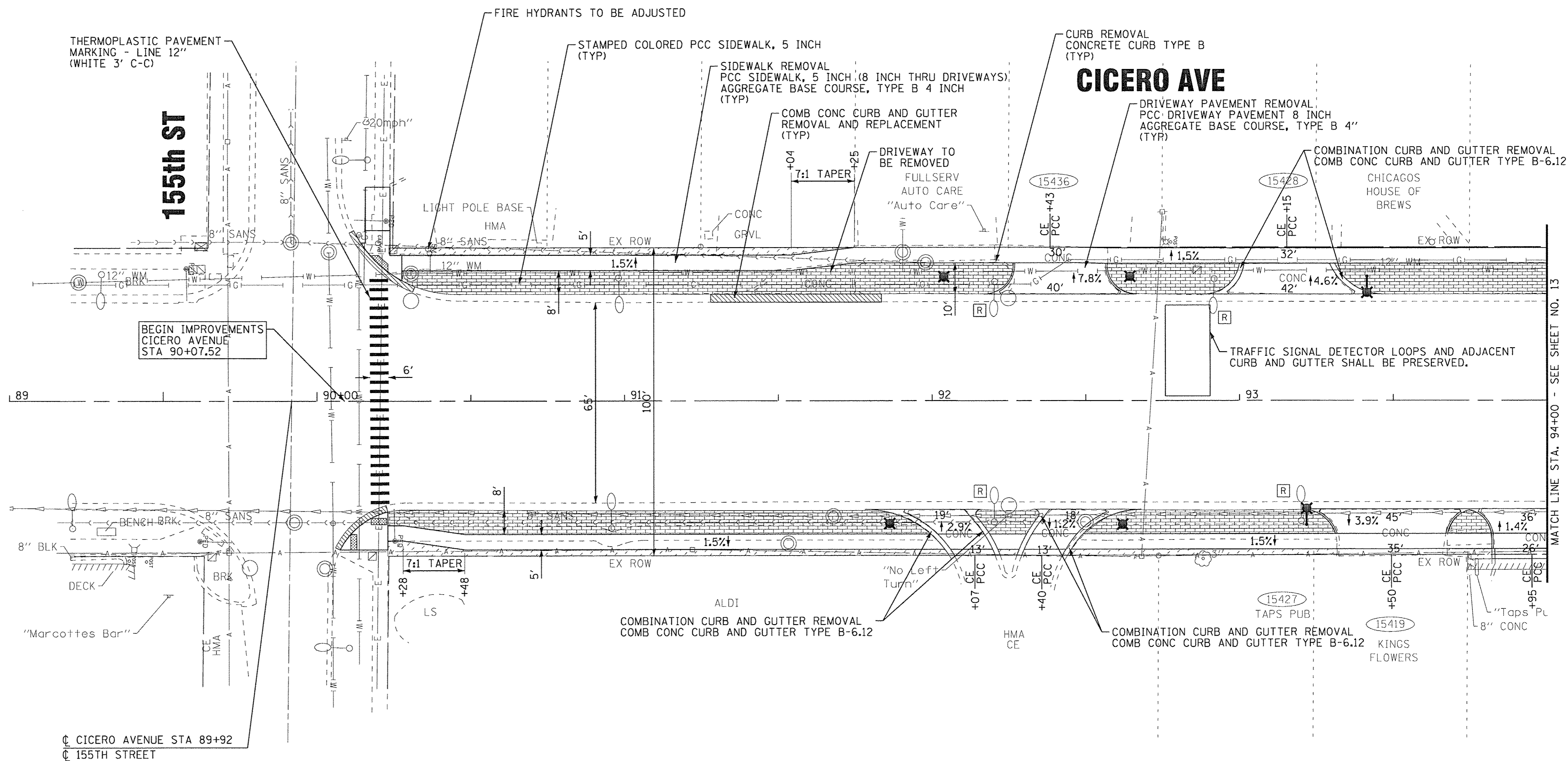
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND TIES
CICERO AVENUE

SCALE: 1" = 40'
 STA. 89+00 TO STA. 118+00

F.A.P. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 11
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT TE-M-400315201		
CONTRACT NO. 61D57				



MATCH LINE STA. 94+00 - SEE SHEET NO. 13

- ○ EXISTING LIGHTING UNIT, TO REMAIN
- ○ EXISTING LIGHTING UNIT, REMOVE AND SALVAGE

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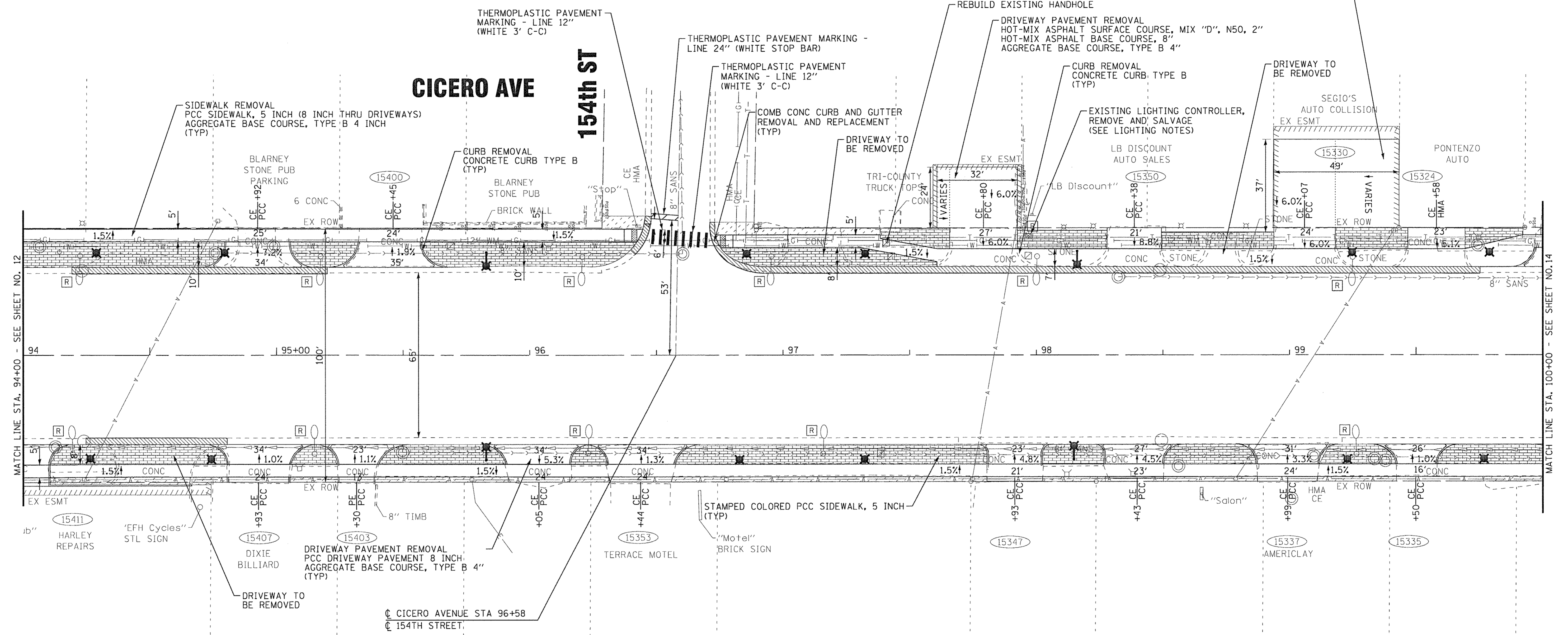
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	CHECKED - JCC	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN CICERO AVENUE	
SCALE: 1" = 20'	STA. 89+00 TO STA. 94+00

F.A.P. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 12
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT TE-M-400345201		
CONTRACT NO. 61D57				

DRIVEWAY PAVEMENT REMOVAL
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2"
HOT-MIX ASPHALT BASE COURSE, 8"
AGGREGATE BASE COURSE, TYPE B 4"



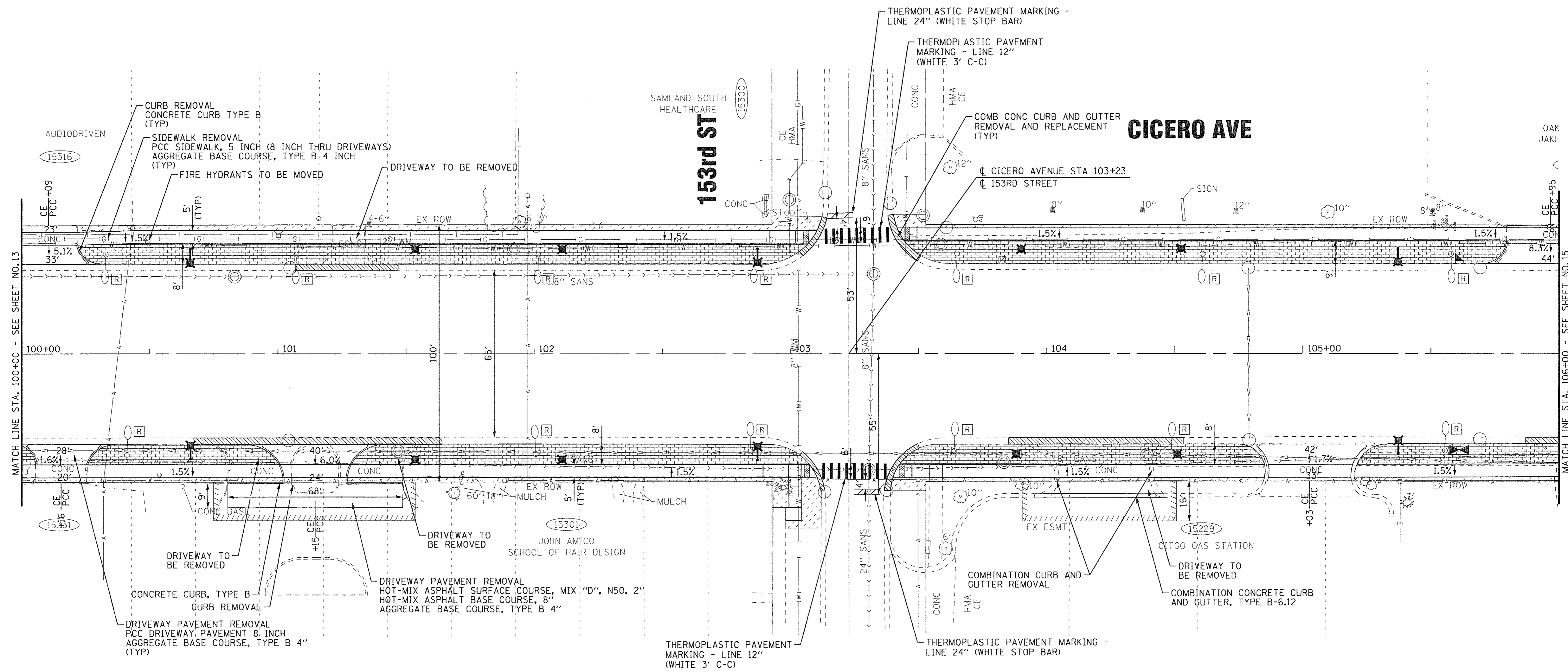
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20'	STA. 94+00 TO STA. 100+00	PLAN CICERO AVENUE		F.A.P. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 13
				CONTRACT NO. 61D57				
		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-M-400315201						

- ○ EXISTING LIGHTING UNIT, TO REMAIN
- ⊗ ○ EXISTING LIGHTING UNIT, REMOVE AND SALVAGE



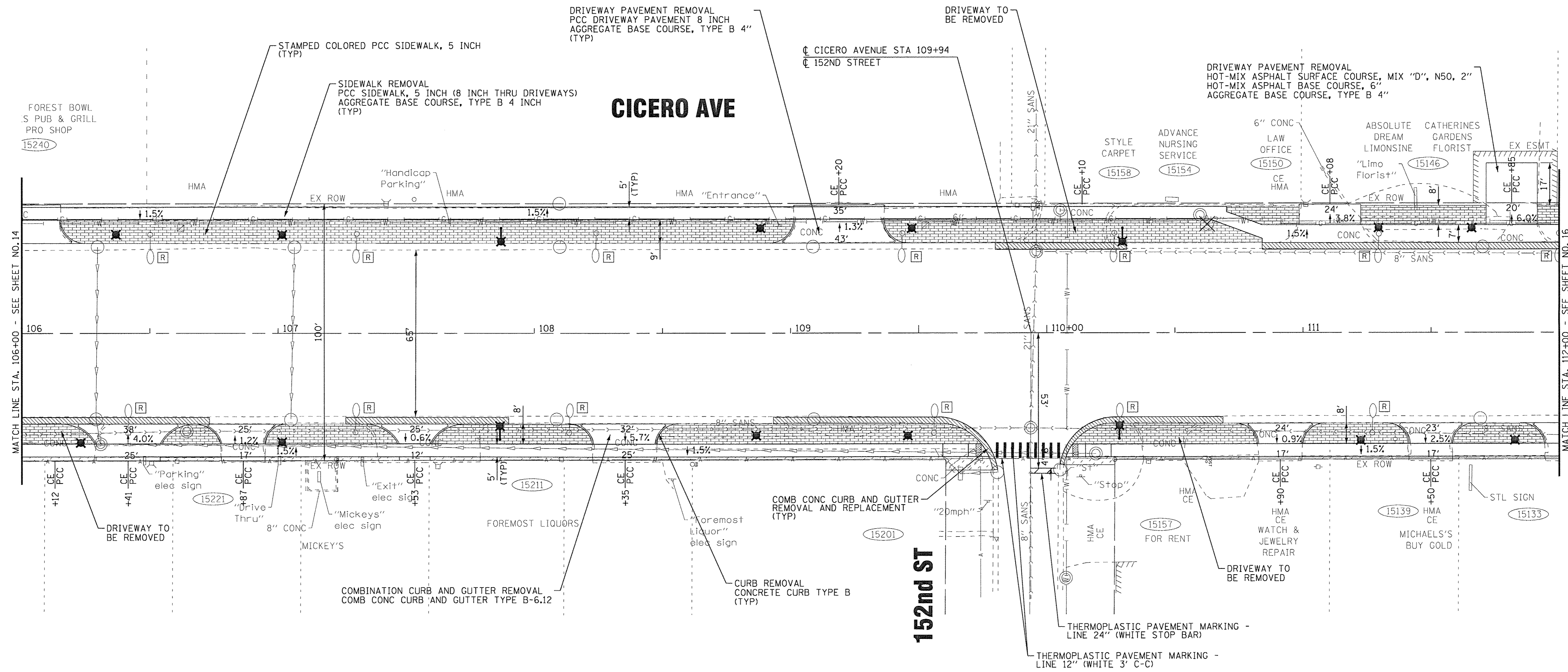
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN CICERO AVENUE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		350	14-00103-00-MS	COOK	42	14
SCALE: 1" = 20'		STA. 100+00 TO STA. 106+00		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT TE-M-400315201		

- ○ EXISTING LIGHTING UNIT, TO REMAIN
- Ⓡ ○ EXISTING LIGHTING UNIT, REMOVE AND SALVAGE



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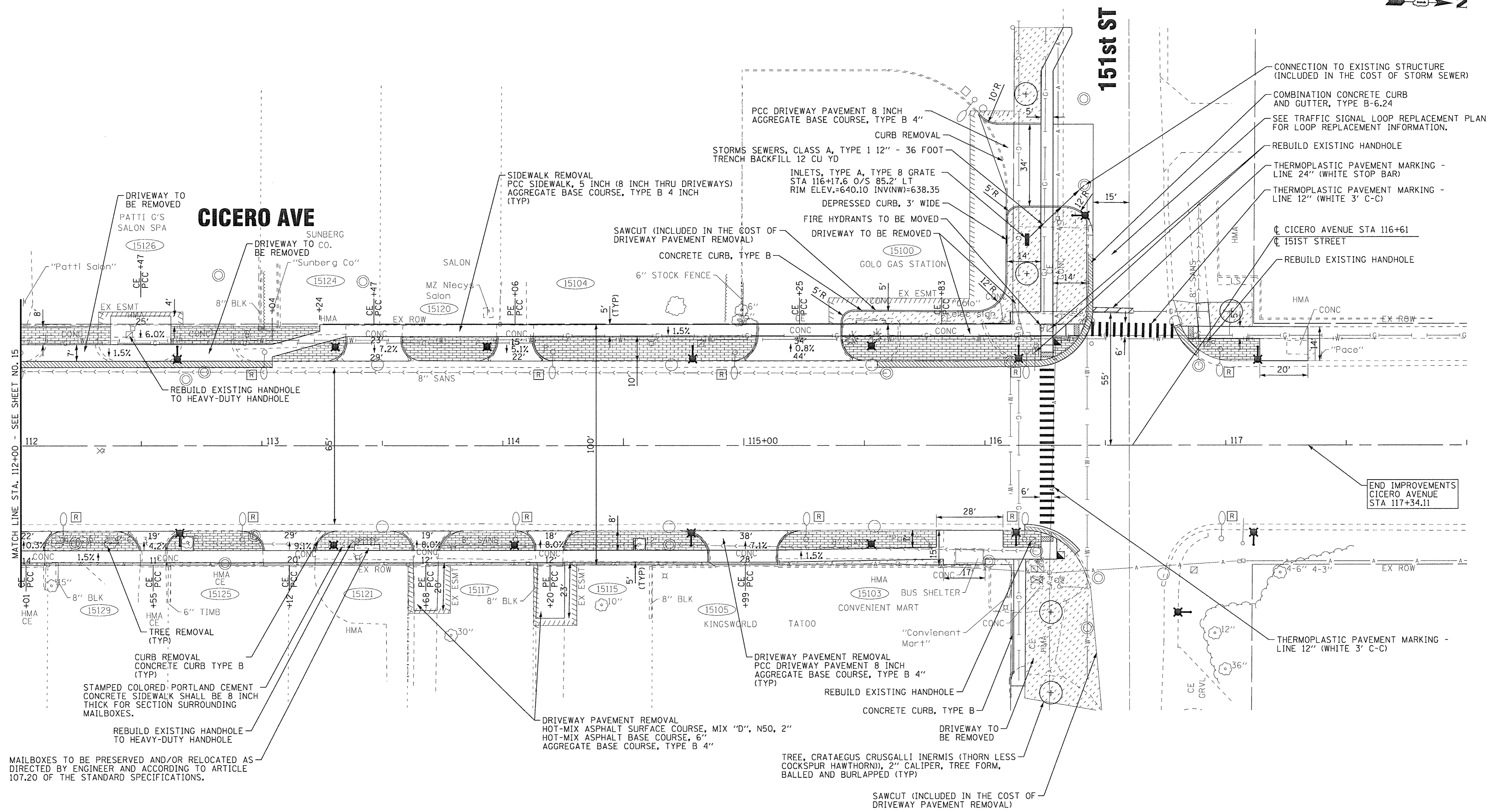
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN CICERO AVENUE	
SCALE: 1" = 20'	STA. 106+00 TO STA. 112+00

F.A.P. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 15
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT TE-M-400315201		
CONTRACT NO. 61D57				

- ○ EXISTING LIGHTING UNIT, TO REMAIN
- ○ EXISTING LIGHTING UNIT, REMOVE AND SALVAGE



MAILBOXES TO BE PRESERVED AND/OR RELOCATED AS DIRECTED BY ENGINEER AND ACCORDING TO ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.

STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE 8 INCH THICK FOR SECTION SURROUNDING MAILBOXES.

CURB REMOVAL CONCRETE CURB TYPE B (TYP)

TREE REMOVAL (TYP)

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- EXISTING LIGHTING UNIT, TO REMAIN
- Ⓡ EXISTING LIGHTING UNIT, REMOVE AND SALVAGE

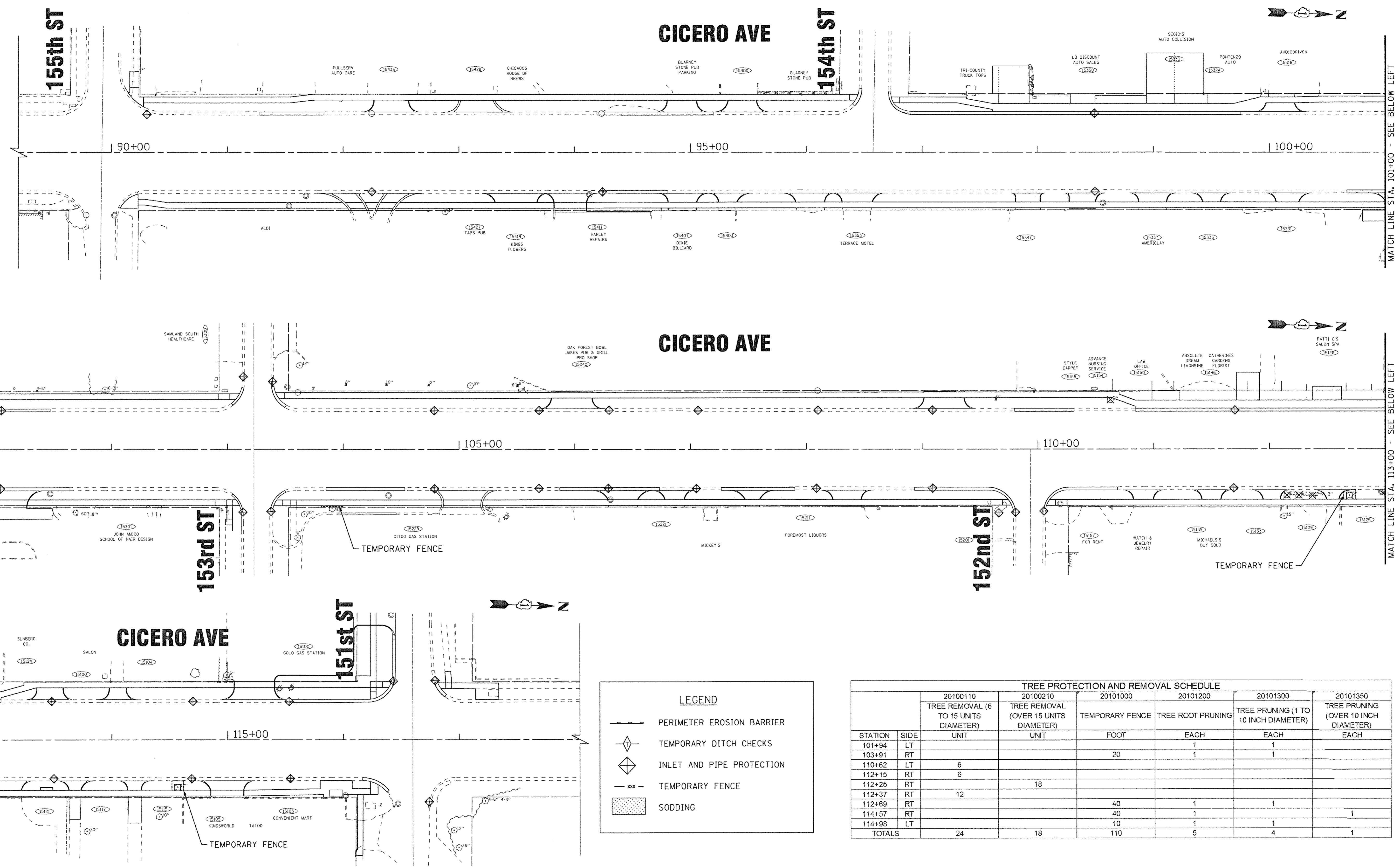


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN CICERO AVENUE	
SCALE: 1" = 20'	STA. 112+00 TO STA. 118+00

F.A.P. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 16
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT TE-M-4003(520)		
CONTRACT NO. 61D57				



LEGEND

- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION
- TEMPORARY FENCE
- SODDING

TREE PROTECTION AND REMOVAL SCHEDULE

STATION	SIDE	20100110	20100210	20101000	20101200	20101300	20101350
		TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TEMPORARY FENCE	TREE ROOT PRUNING	TREE PRUNING (1 TO 10 INCH DIAMETER)	TREE PRUNING (OVER 10 INCH DIAMETER)
		UNIT	UNIT	FOOT	EACH	EACH	EACH
101+94	LT				1	1	
103+91	RT			20	1	1	
110+62	LT	6					
112+15	RT	6					
112+25	RT		18				
112+37	RT	12					
112+69	RT			40	1	1	
114+57	RT			40	1		1
114+98	LT			10	1	1	
TOTALS		24	18	110	5	4	1

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED -
	DRAWN - CJC	REVISED -
	CHECKED - JCC	REVISED -
	DATE - 1-30-17	FILE - 100744SHT_ERI.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN
CICERO AVENUE**

SCALE: 1" = 40' STA. 89+00 TO STA. 118+00

F.A.P. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 17
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-M-4003(E20)		CONTRACT NO. 61D57		

MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING NOTES

- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, BUSINESSES, RESIDENTS AND THE CITY WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE CITY TO BUSINESSES AND RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURES. EVERY EFFORT SHALL BE MADE TO NOTIFY RESIDENTS INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
- THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION.
- EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. ANY SIGNIFICANT CHANGE IN TRAFFIC CONTROL SHALL HAVE PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) DAYS NOTICE IN ADVANCE OF CONSTRUCTION ACTIVITIES WHICH IMPACT EMERGENCY SERVICES.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO DRIVEWAYS AND SIDE ROADS DURING CONSTRUCTION, UTILIZING PAY ITEMS TEMPORARY ACCESS (PRIVATE ENTRANCE) AND TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
- ALL COMMERCIAL PROPERTIES SHALL BE PROVIDED AT LEAST ONE INGRESS AND ONE EGRESS EITHER ON THE MAINLINE OR A SIDE STREET AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE DRIVEWAY CLOSURES/MODIFICATIONS WITH THE LOCAL BUSINESSES AND THE ENGINEER. COMMERCIAL DRIVEWAYS WHICH CANNOT BE CLOSED, AS DETERMINED BY THE ENGINEER, SHALL BE CONSTRUCTED IN STAGES OR WILL BE CONSTRUCTED WHEN BUSINESSES ARE NOT OPEN USING HIGH EARLY STRENGTH CONCRETE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE RELATED PAY ITEMS BEING CONSTRUCTED.
- THE CONTRACTOR SHALL SUBMIT A SEQUENCE OF WORK PLAN AT THE PRECONSTRUCTION CONFERENCE FOR REVIEW AND APPROVAL. WORK SHALL BE SCHEDULED TO MINIMIZE INCONVENIENCE TO RESIDENTS AND TO MAINTAIN A REASONABLE LEVEL OF CONSTRUCTION EFFICIENCY. THE ENGINEER RESERVES THE RIGHT TO RESTRICT WORK ON ANY AREA IF TRAFFIC CONTROL OPERATIONS BECOME UNACCEPTABLE.
- LOCAL TRAFFIC, MAIL DELIVERY AND EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. ANY SIGNIFICANT CHANGE IN TRAFFIC CONTROL SHALL HAVE PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) DAYS NOTICE IN ADVANCE OF CONSTRUCTION ACTIVITIES WHICH IMPACT EMERGENCY SERVICES.
- LANE CLOSURES ON ILLINOIS ROUTE 50 (CICERO AVENUE) WILL ONLY BE PERMITTED BETWEEN THE HOURS OF 9AM AND 3PM. ONE THRU LANE IN EACH DIRECTION AND THE CENTER TURN LANE SHALL REMAIN OPEN AT ALL TIMES DURING THESE HOURS. ALL LANE CLOSURES SHALL BE APPROVED BY THE ENGINEER AND SHALL BE PER APPLICABLE IDOT HIGHWAY STANDARDS.
- DAILY LANE CLOSURES ON CICERO AVENUE BE COORDINATED WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) AND SHALL BE ACCORDING TO IDOT HIGHWAY STANDARDS.
- ALL LANES SHALL BE OPEN TO TRAFFIC AT THE END OF EACH DAY, MAINTAINING EXISTING LANE WIDTHS UNLESS OTHERWISE SPECIFIED IN THE PLANS.
- CONSTRUCTION VEHICLES AND/OR EQUIPMENT SHALL NOT BE PARKED OVERNIGHT WITHIN THE RIGHT-OF-WAY. THE ENGINEER WILL ASSIST THE CONTRACTOR IN IDENTIFYING CONSTRUCTION STAGING LOCATIONS AT THE START OF CONSTRUCTION.

SUGGESTED SEQUENCE OF CONSTRUCTION

STAGE 1

- ESTABLISH EROSION CONTROL MEASURES AND TREE PROTECTION.
- ESTABLISH TRAFFIC CONTROL ITEMS.
- CONFIGURE THE EXISTING LIGHTING SYSTEM SO THAT THE PORTION ALONG THE WEST SIDE OF CICERO AVENUE REMAINS OPERATIONAL IN ACCORDANCE WITH THE LIGHTING PLANS.

STAGE 2

- REMOVE SIDEWALK, DRIVEWAY PAVEMENT, CURB & GUTTER ALONG THE EAST SIDE OF CICERO AVENUE.
- COMPLETE LIGHTING INSTALLATION ALONG THE EAST SIDE OF CICERO AVENUE. THE PROPOSED LIGHTING SYSTEM ALONG THE EAST SIDE OF CICERO AVENUE SHALL BE MADE OPERATIONAL.
- INSTALL EAST SIDE PCC SIDEWALK, CURB AND GUTTER AND DRIVEWAYS.
- ANY PORTIONS OF SIDEWALK AND DRIVEWAY THAT CAN NOT BE COMPLETED SHALL BE CONNECTED WITH TEMPORARY AGGREGATE AS APPROVED BY THE ENGINEER.

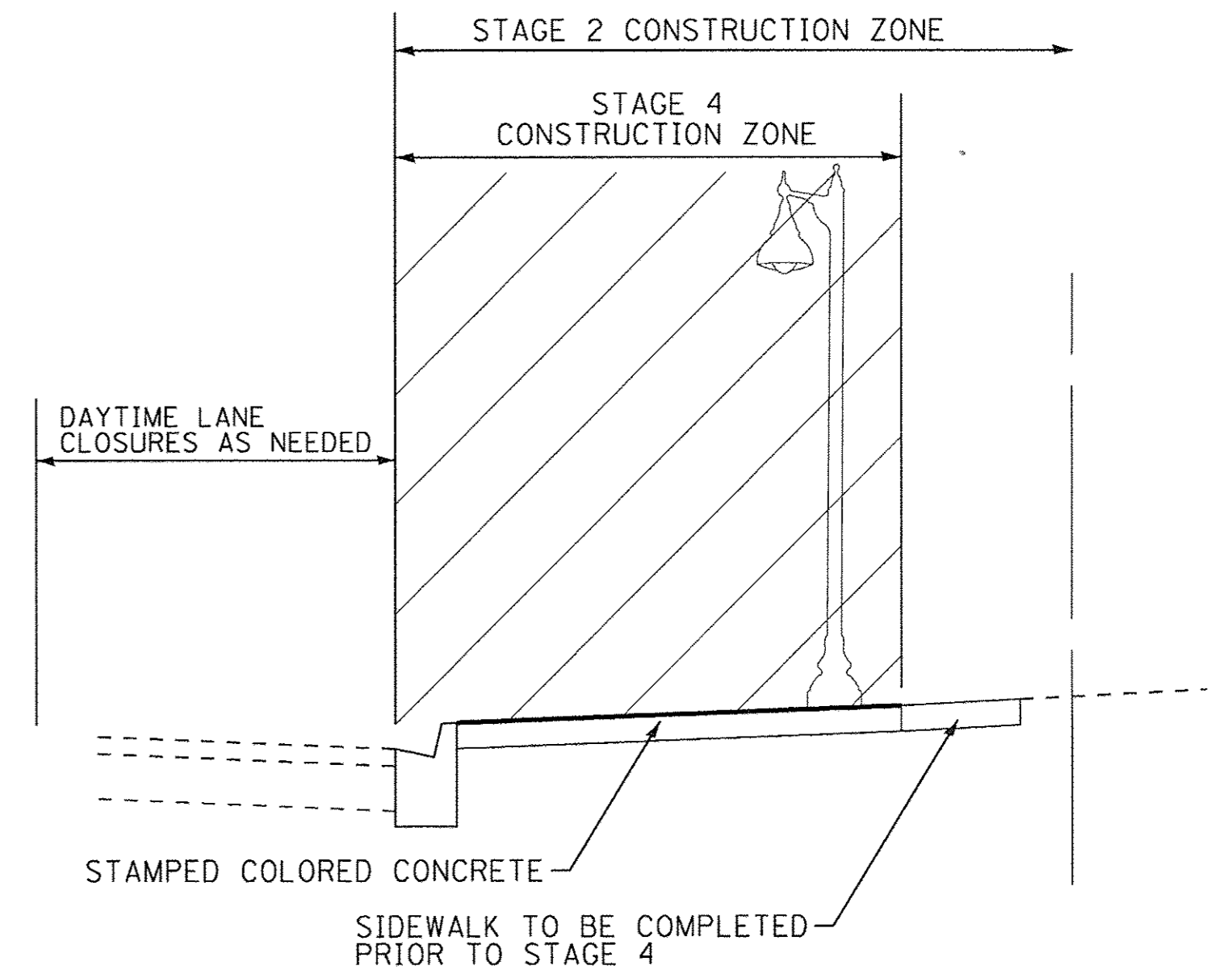
STAGE 3

- REMOVE SIDEWALK, DRIVEWAY PAVEMENT, CURB & GUTTER ALONG THE WEST SIDE OF CICERO AVENUE.
- COMPLETE LIGHTING INSTALLATION ALONG THE WEST SIDE OF CICERO AVENUE.
- INSTALL WEST SIDE PCC SIDEWALK, CURB AND GUTTER AND DRIVEWAYS.
- ANY PORTIONS OF SIDEWALK AND DRIVEWAY THAT CAN NOT BE COMPLETED SHALL BE CONNECTED WITH TEMPORARY AGGREGATE AS APPROVED BY THE ENGINEER.

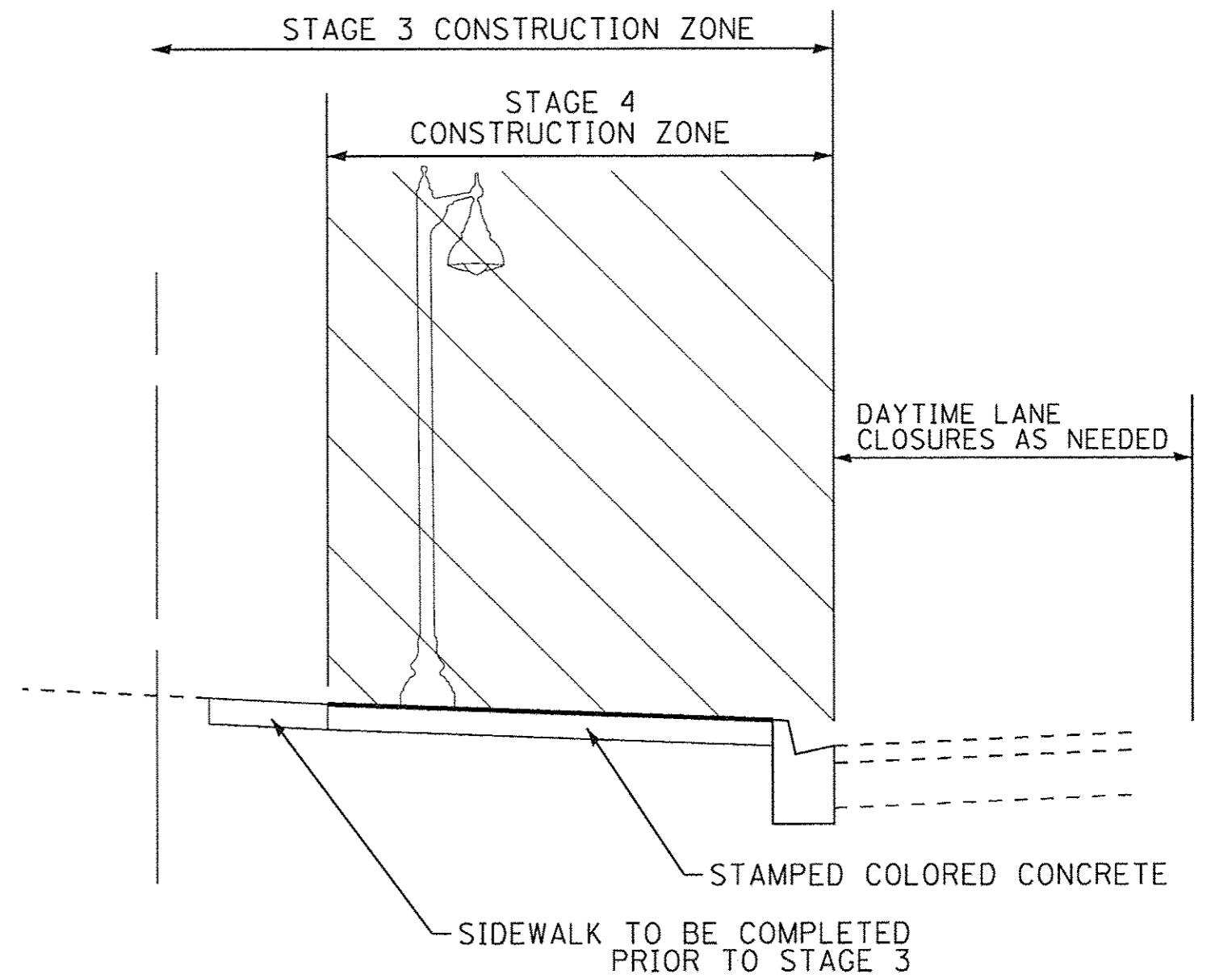
STAGE 4

- COMPLETE LIGHTING INSTALLATION.
- COMPLETE DRIVEWAY AND SIDEWALK INSTALLATION.
- INSTALL STAMPED COLORED CONCRETE.
- COMPLETE PARKWAY RESTORATION AND REMOVE TEMPORARY EROSION CONTROL ITEMS ONCE SOD OR SEED ESTABLISHES
- COMPLETE PUNCH LIST ITEMS.

EAST SIDE STAGING TYPICAL SECTION



WEST SIDE STAGING TYPICAL SECTION



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	DRAWN - CJC	REVISED -
	CHECKED - ADJ	REVISED -
	DATE - 1-30-17	FILE - 100744SHT_MOT.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

**SUGGESTED MAINTENANCE OF TRAFFIC NOTES
 & SEQUENCE OF CONSTRUCTION**

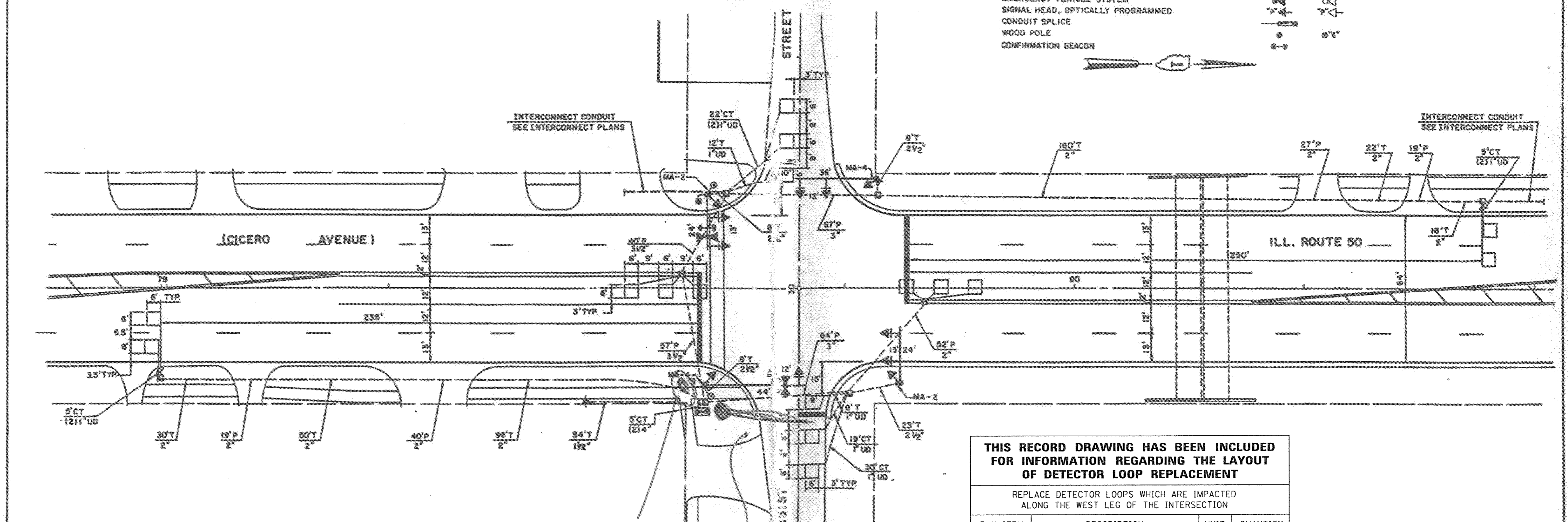
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-4003(520)			CONTRACT NO. 61D57	

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	101 EXTRS	COOK	75	39
STA.	TO STA.			
FED. ROAD DIST. NO. P. ILLINOIS		FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD AND POST		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
MAST ARM ASSEMBLY AND POLE, STEEL		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CONCRETE JUNCTION BOX		
CAST IRON JUNCTION BOX		
COMMON TRENCH		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
EMERGENCY VEHICLE SYSTEM		
SIGNAL HEAD, OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
CONFIRMATION BEACON		



THIS RECORD DRAWING HAS BEEN INCLUDED FOR INFORMATION REGARDING THE LAYOUT OF DETECTOR LOOP REPLACEMENT

REPLACE DETECTOR LOOPS WHICH ARE IMPACTED ALONG THE WEST LEG OF THE INTERSECTION

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
88600600	DETECTOR LOOP REPLACEMENT	FOOT	210
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1

PUSHBUTTON POS.

MAST ARM MOVED BACK

GO GANDY AND ASSOCIATES
 PROFESSIONAL ENGINEERS
 300 N. WASHINGTON ST. SUITE 200
 CHICAGO, ILLINOIS 60602 TEL. 312.333.7777

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLAN
 ILLINOIS ROUTE 50 (CICERO AVENUE)
 AT 151 ST STREET

SCALE: 1" = 20'
 DATE: 4-20-94

DRAWN BY J.H.E.
 CHECKED BY PKG

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

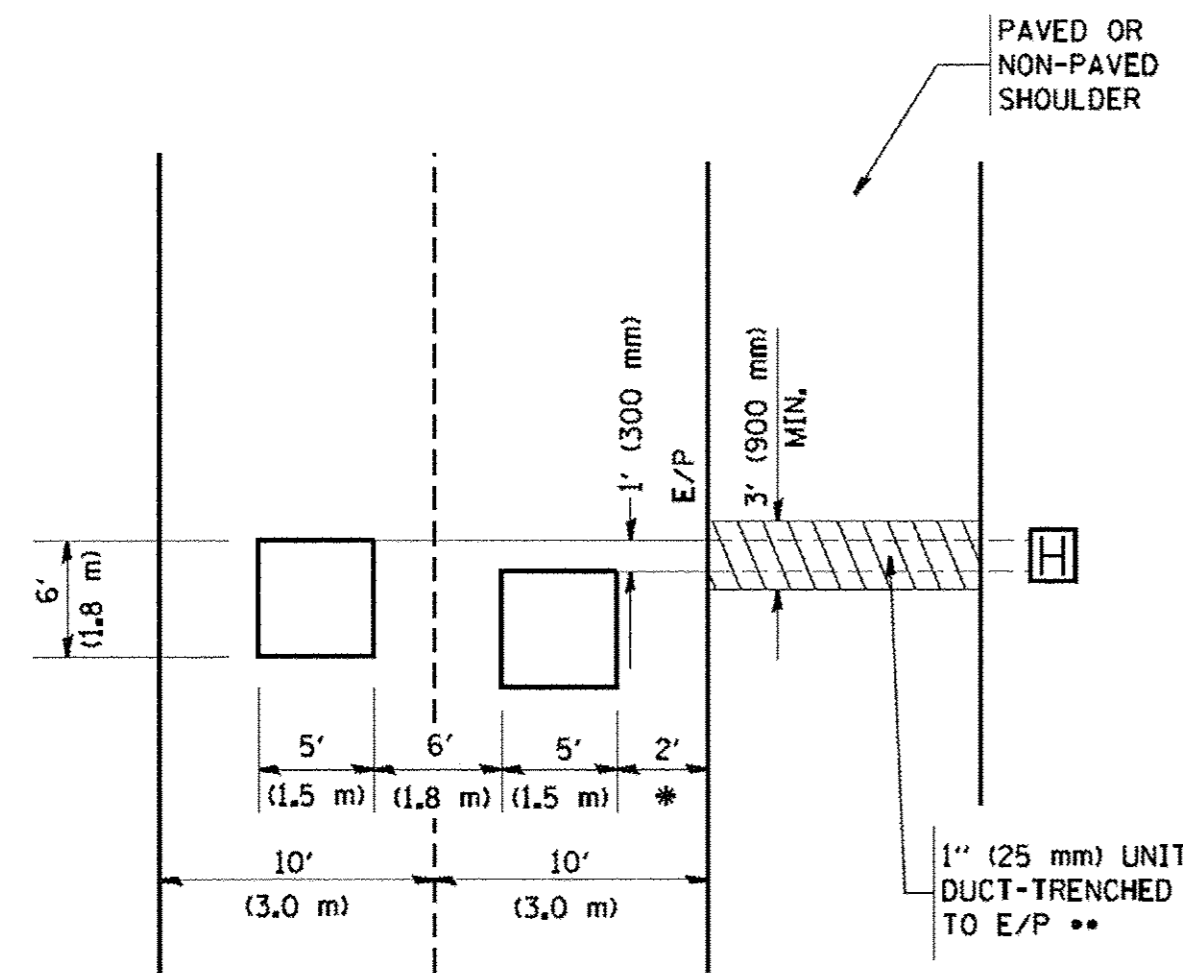
TRAFFIC SIGNAL LOOP REPLACEMENT PLAN

SCALE: NONE STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	19
CONTRACT NO. 61D57			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-40031520	

LOOPS NEXT TO SHOULDERS

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



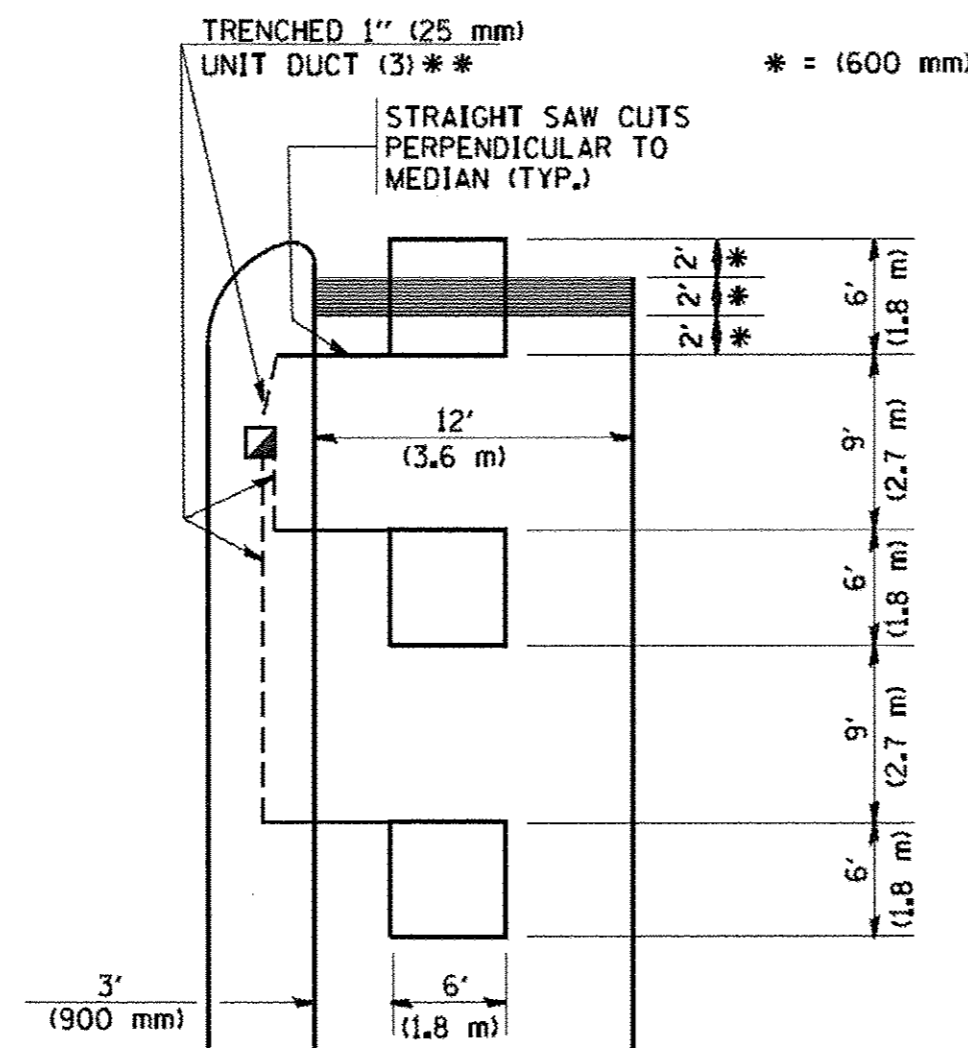
* = (600 mm)

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD B14001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



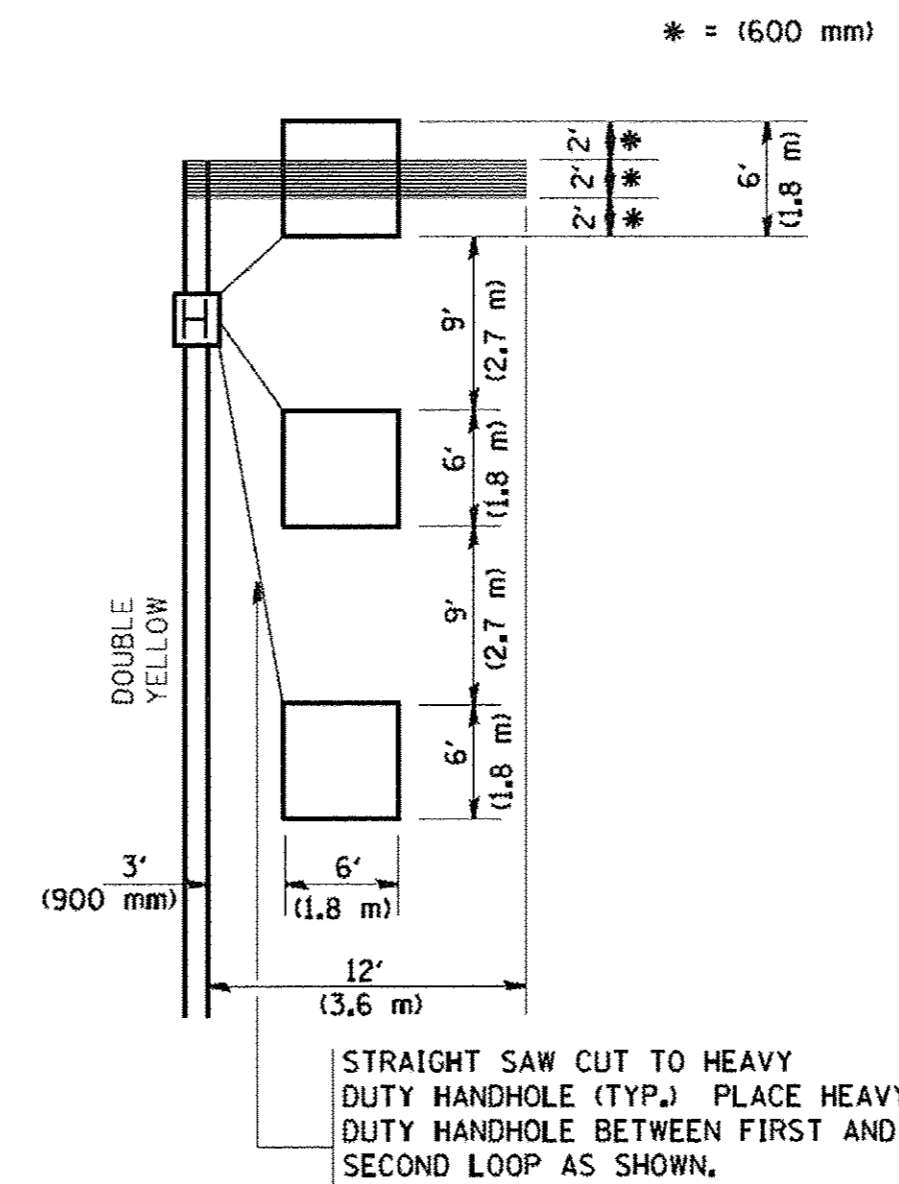
* = (600 mm)

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

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

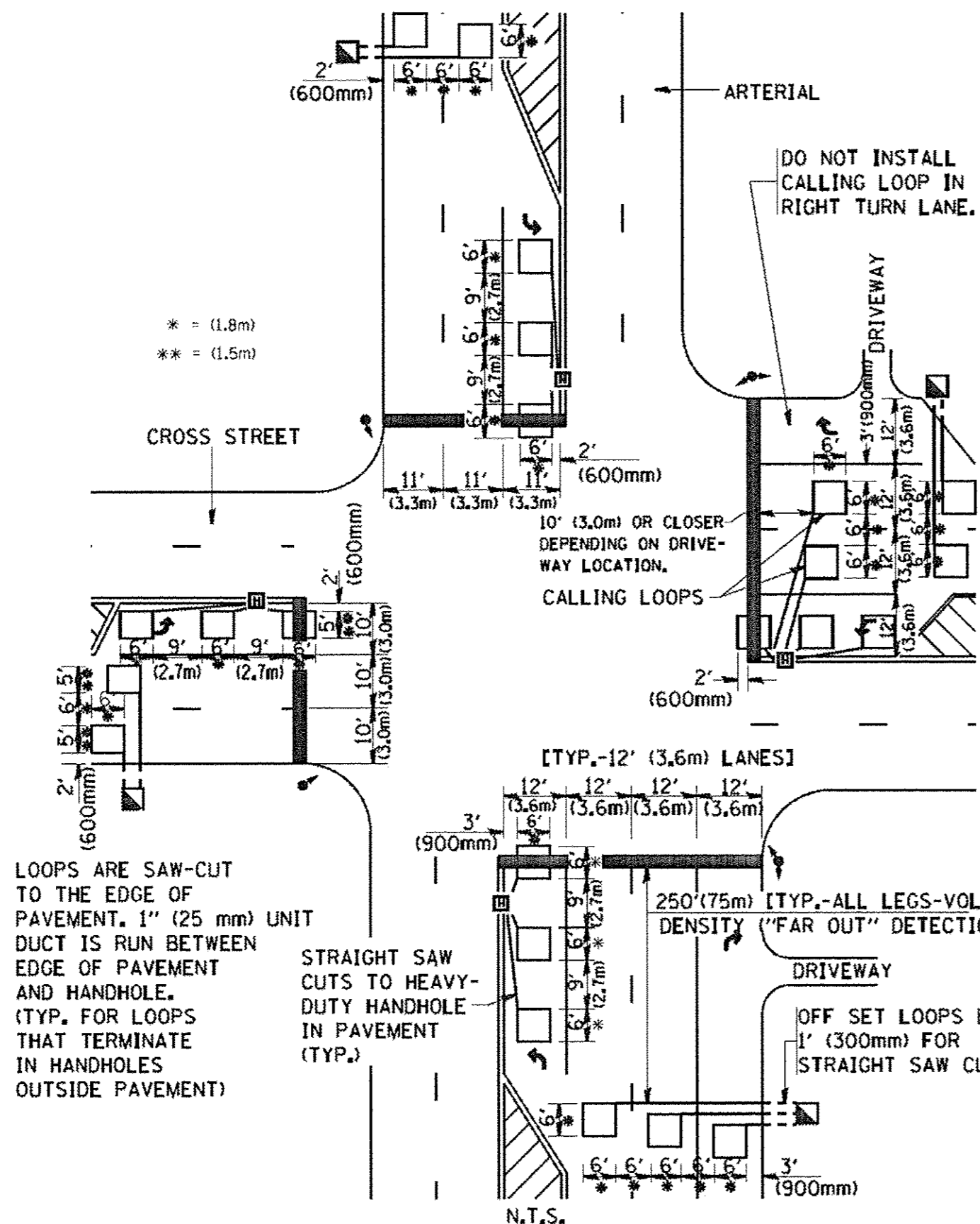
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

NOTES:

VEHICLES LOOP DETECTORS

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

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

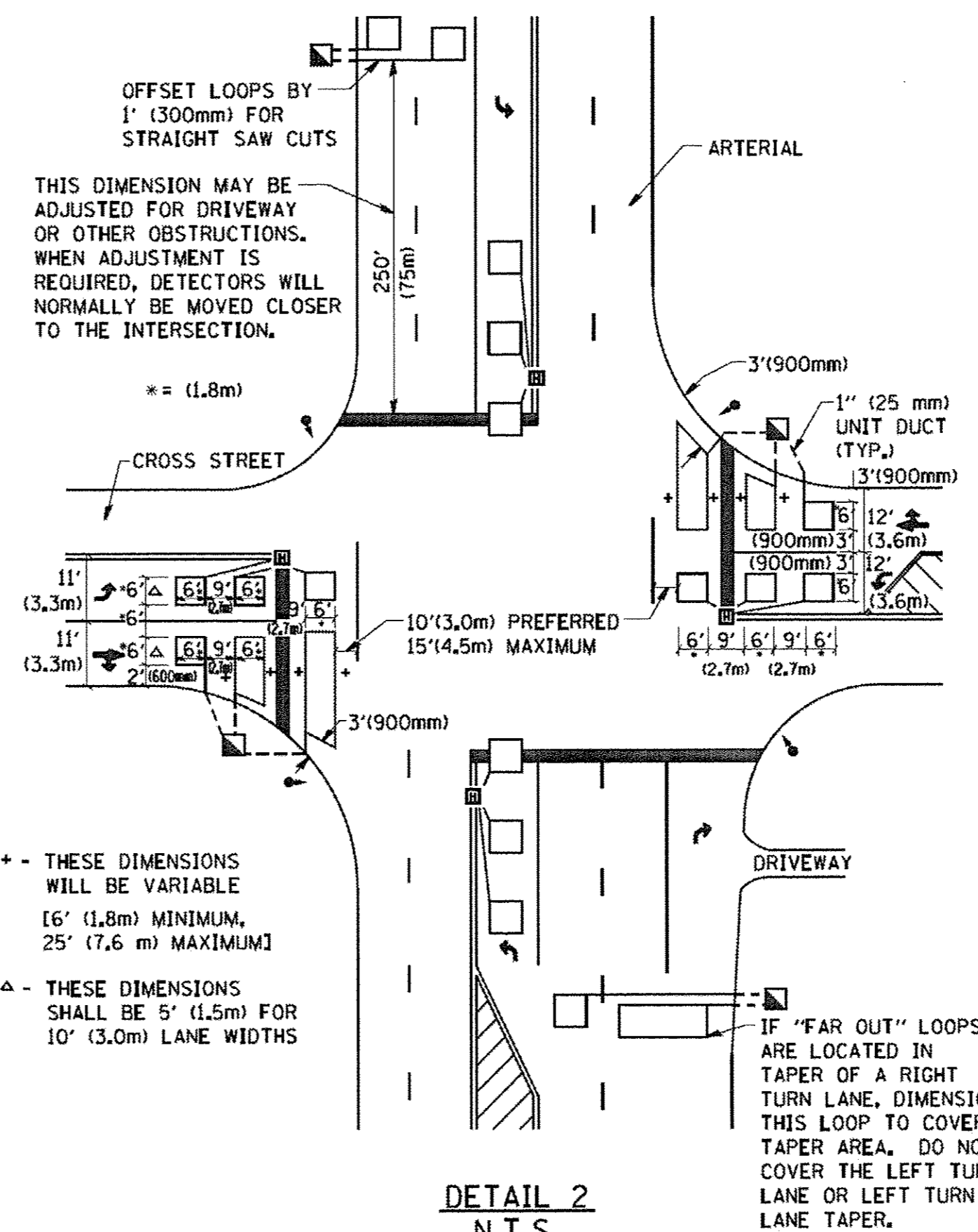


LOOPS ARE SAW-CUT TO THE EDGE OF PAVEMENT. 1" (25 mm) UNIT DUCT IS RUN BETWEEN EDGE OF PAVEMENT AND HANDHOLE. (TYP. FOR LOOPS THAT TERMINATE IN HANDHOLES OUTSIDE PAVEMENT)

STRAIGHT SAW CUTS TO HEAVY-DUTY HANDHOLE IN PAVEMENT (TYP.)

DETAIL 1
N.T.S.

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



± THESE DIMENSIONS WILL BE VARIABLE [6' (1.8m) MINIMUM, 25' (7.6 m) MAXIMUM]

△ THESE DIMENSIONS SHALL BE 5' (1.5m) FOR 10' (3.0m) LANE WIDTHS

DETAIL 2
N.T.S.

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

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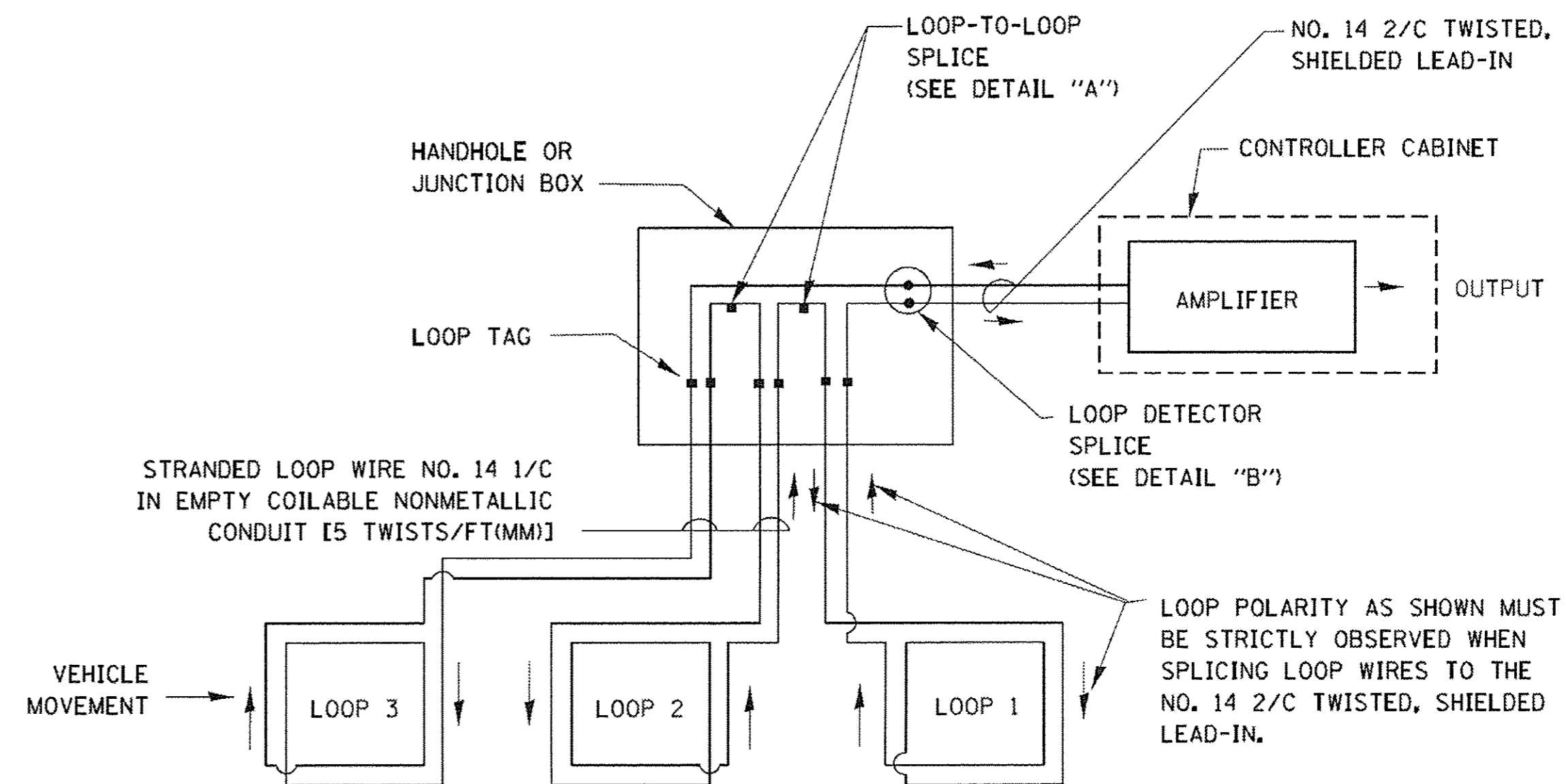
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION	
DETAILS FOR ROADWAY RESURFACING	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 20
TS-07		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

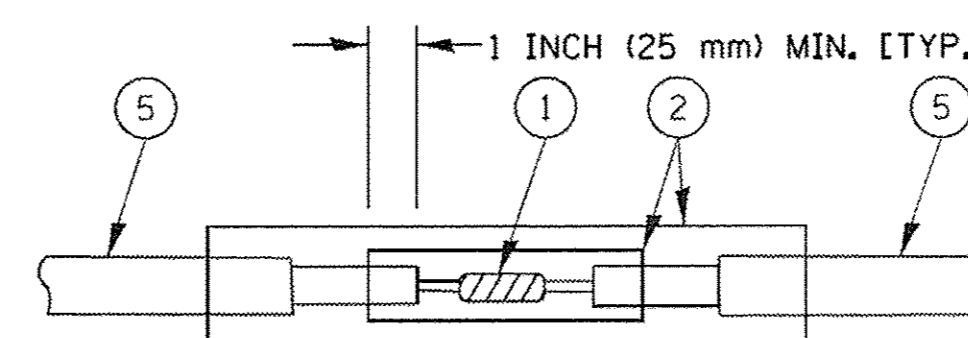
LOOP DETECTOR NOTES

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

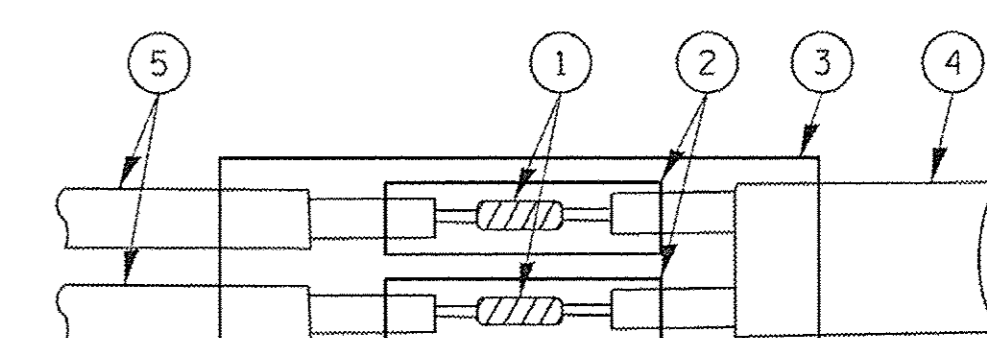


DETECTOR LOOP WIRING SCHEMATIC

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

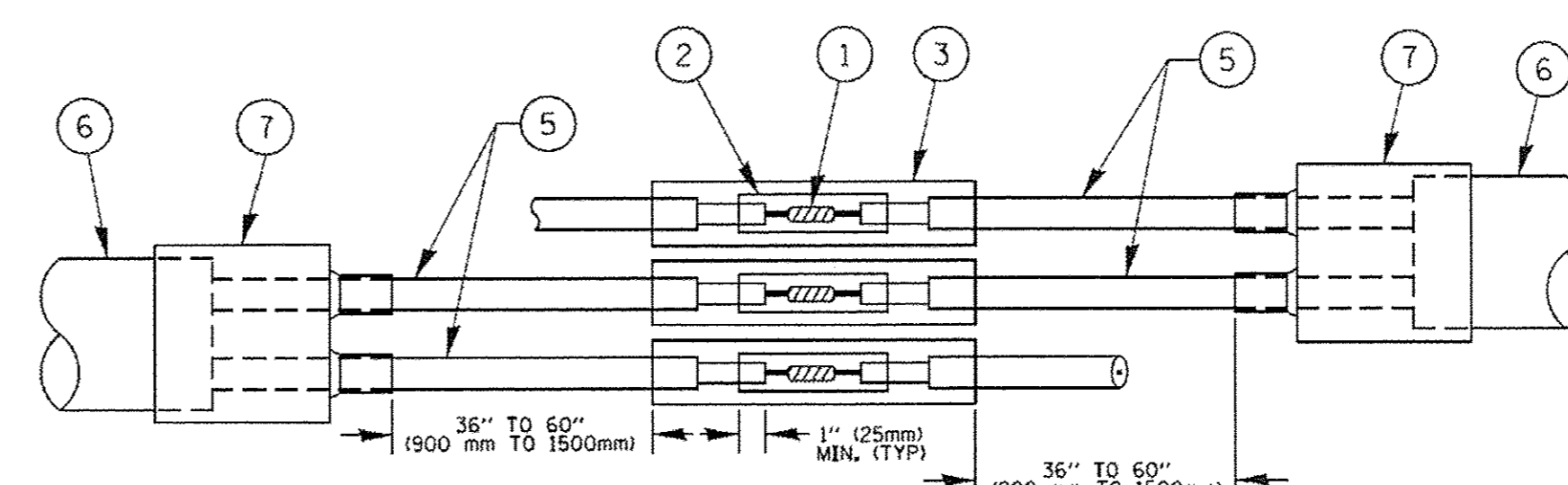


DETAIL "A"
LOOP-TO-LOOP SPLICE

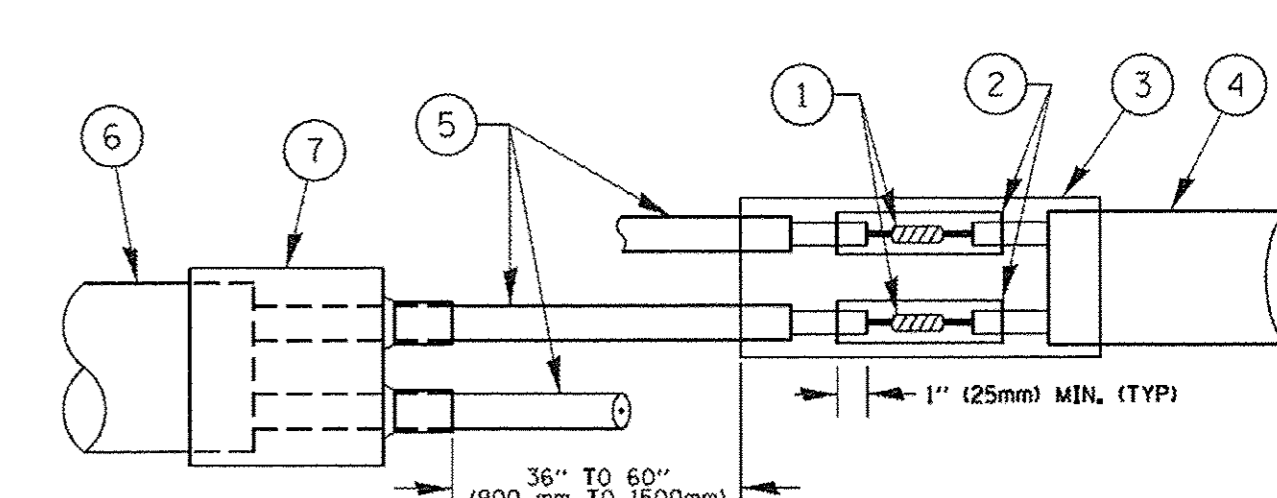


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

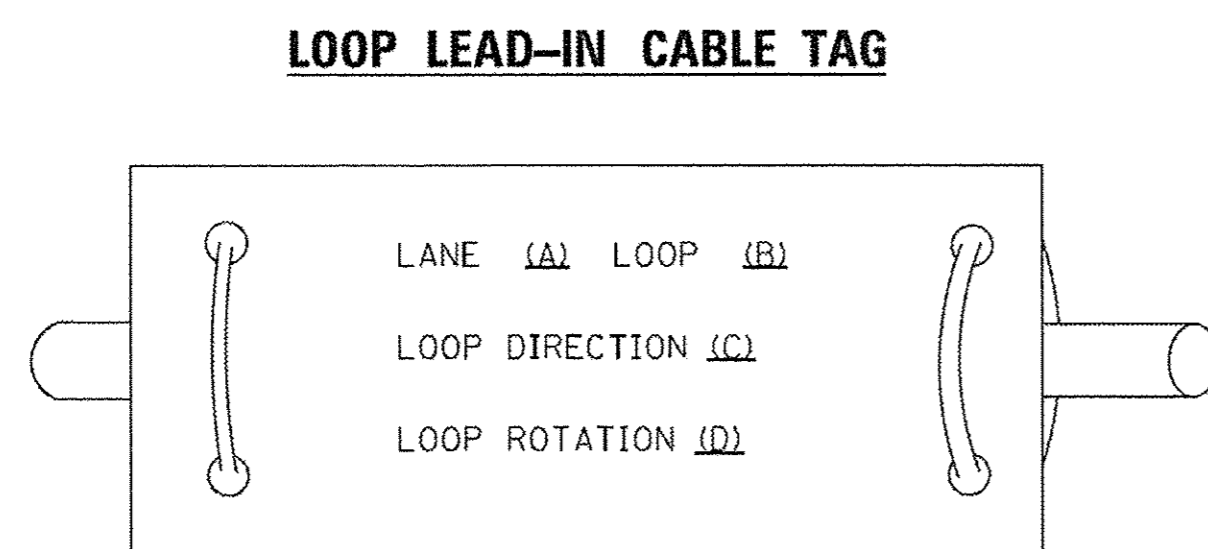


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

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



- 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.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		350	14-01013-00-MS	COOK	42	21
SCALE: NONE		SHEET NO. 2 OF 7 SHEETS		STA. TO STA.	CONTRACT NO. 61057	
		FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECTE-M-4003(520)		

LIGHTING GENERAL NOTES:

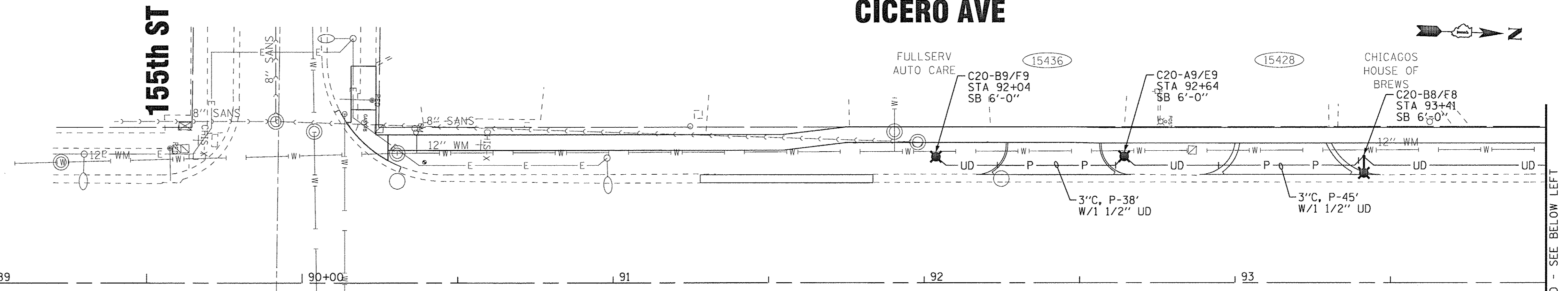
1. FIELD ADJUSTMENT OF LIGHTING UNIT LOCATIONS TO AVOID CONFLICTS MUST BE APPROVED BY THE CITY AND/OR ENGINEER.
2. CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING CONDUITS, DETECTORS AND EQUIPMENT. IF ANY OF THE CONDUIT AND/OR EQUIPMENT IS DAMAGED THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE CITY.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF FOUNDATION HEIGHTS AND THE LIGHT SHALL REMAIN WITH THE CONTRACTOR.
4. ALL DISTURBED AREAS WHERE RESTORATION IS NOT COVERED BY APPLICABLE SECTIONS OF THE SPECIAL PROVISIONS MUST BE RESTORED TO THE SATISFACTION OF THE CITY AND/OR ENGINEER. THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. SEPARATE PAYMENT WILL NOT BE MADE.
5. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR WIRE MARKERS AND SHALL TAG ALL WIRE ACCORDINGLY.
6. EQUIPMENT GROUND CONDUCTORS SHALL BE SPLICED AND/OR BONDED AT EACH LIGHT POLE OR OTHER PIECE OF EQUIPMENT.
7. CONDUIT AND UNIT DUCT MUST BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH TREES, BUSHES, DRAINS AND OTHER UTILITIES AND LANDSCAPING.
8. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR GROUNDING. GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE CITY AND/OR ENGINEER PRIOR TO BACKFILLING.
9. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "UNDERGROUND RACEWAYS". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO BACKFILLING.
10. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE CITY AND/OR ENGINEER.
11. ALL CONDUITS UNDER ROADWAYS AND DRIVEWAYS IN TRENCHES SHALL BE INSTALLED BEFORE PAVEMENT IS PLACED. CONDUIT LENGTHS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE ACTUAL LENGTH REQUIREMENTS IN THE FIELD.
12. NO UNDERGROUND SPLICES OR SPLICES IN HANDHOLES WILL BE PERMITTED. ELECTRIC HANDHOLES SHALL BE USED FOR THE PURPOSE OF PULLING CABLES ONLY.
13. LIGHTING UNIT SETBACK SHALL BE AS CALLED OUT ON PLANS.
14. ALL ELECTRICAL DEVICES AND MATERIALS SHALL BE U/L LISTED WHERE APPLICABLE.
15. CONTRACTOR SHALL NOTE THAT EXISTING LIGHTING IS TO BE REMOVED ON THE EAST SIDE OF THE ROAD LEAVING THE WEST SIDE LIGHTING OPERATIONAL FOR TEMPORARY LIGHTING WHILE THE EAST LIGHTS ARE INSTALLED AND COMMISSIONED. AFTER THE LIGHTING IMPROVEMENTS ON THE EAST SIDE ARE COMPLETE THE WEST SIDE LIGHTING SHALL BE REMOVED AND WEST LIGHTS INSTALLED AND COMMISSIONED.

SUMMARY OF QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	2183
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	75
81400730	HANDHOLE, COMPOSITE CONCRETE	EACH	3
82500350	LIGHTING CONTROLLER, BASE MOUNTED, 240VOLT, 100AMP	EACH	1
83002600	LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. DAVIT ARM	EACH	28
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	222
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	224
84200500	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	54
84200804	REMOVAL OF POLE FOUNDATION	EACH	54
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	2
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	2
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	2
X1400094	LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE	EACH	42
X1400095	LUMINAIRE, LED, HORIZONTAL MOUNT, MEDIUM WATTAGE	EACH	28
X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	60
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	12
	LIGHT POLE, ALUMINUM, 15 FT. M.H., SPECIAL	EACH	42
	UNIT DUCT, 600V, 7-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	3381
	UNIT DUCT, 600V, 3-1C NO.6, 4-1C NO.8, 1/C NO.6 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	2705

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	DRAWN - CJC	REVISED -				350	14-00103-00-MS	COOK	42	22
CHECKED - JCC	REVISED -	SCALE: NONE		STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-M-400315201				
DATE - 1-30-17	FILE - 100744SHT.Lighting-Notes.dgn			CONTRACT NO. 61D57						

CICERO AVE

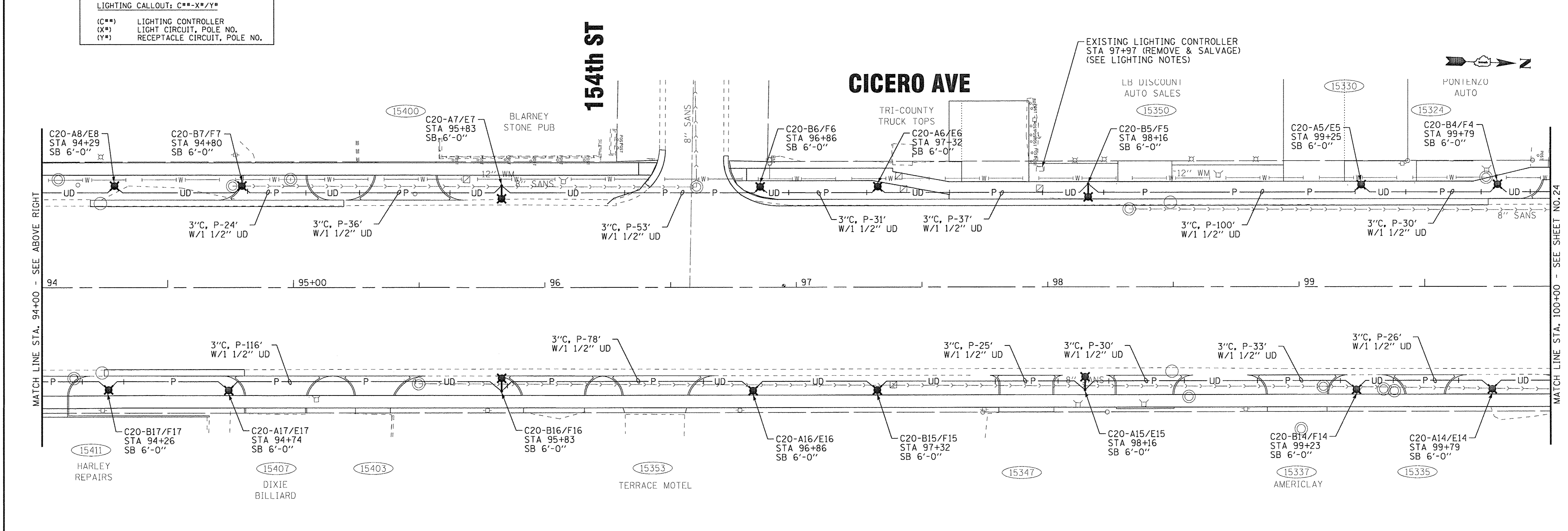
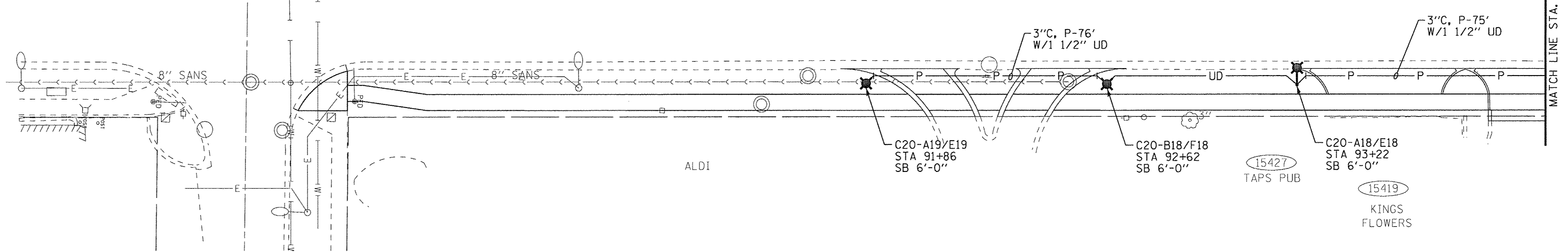


LEGEND

- EXISTING COM ED POWER POLE
- POWER PEDESTAL
- UD- 1 1/2" UNIT DUCT 7*8 & 1*6 GROUND
- 3"C,P-8' W/1 1/2"UD
- 3" CONDUIT, PUSHED 8' LONG WITH 1 1/2" UNIT DUCT OR AS INDICATED
- PROPOSED STREET LIGHT, 240V, LED, 40' M.H., 15' ARM
- PROPOSED STREET LIGHT, 240V, LED, 15' M.H., 2' ARM
- EXISTING STREET LIGHT
- PROPOSED LIGHTING CONTROLLER, 120/240V, 100 AMP
- PROPOSED HANDHOLE

LIGHTING CALLOUT: C*-X*/Y*

(C*) LIGHTING CONTROLLER
 (X*) LIGHT CIRCUIT, POLE NO.
 (Y*) RECEPTACLE CIRCUIT, POLE NO.



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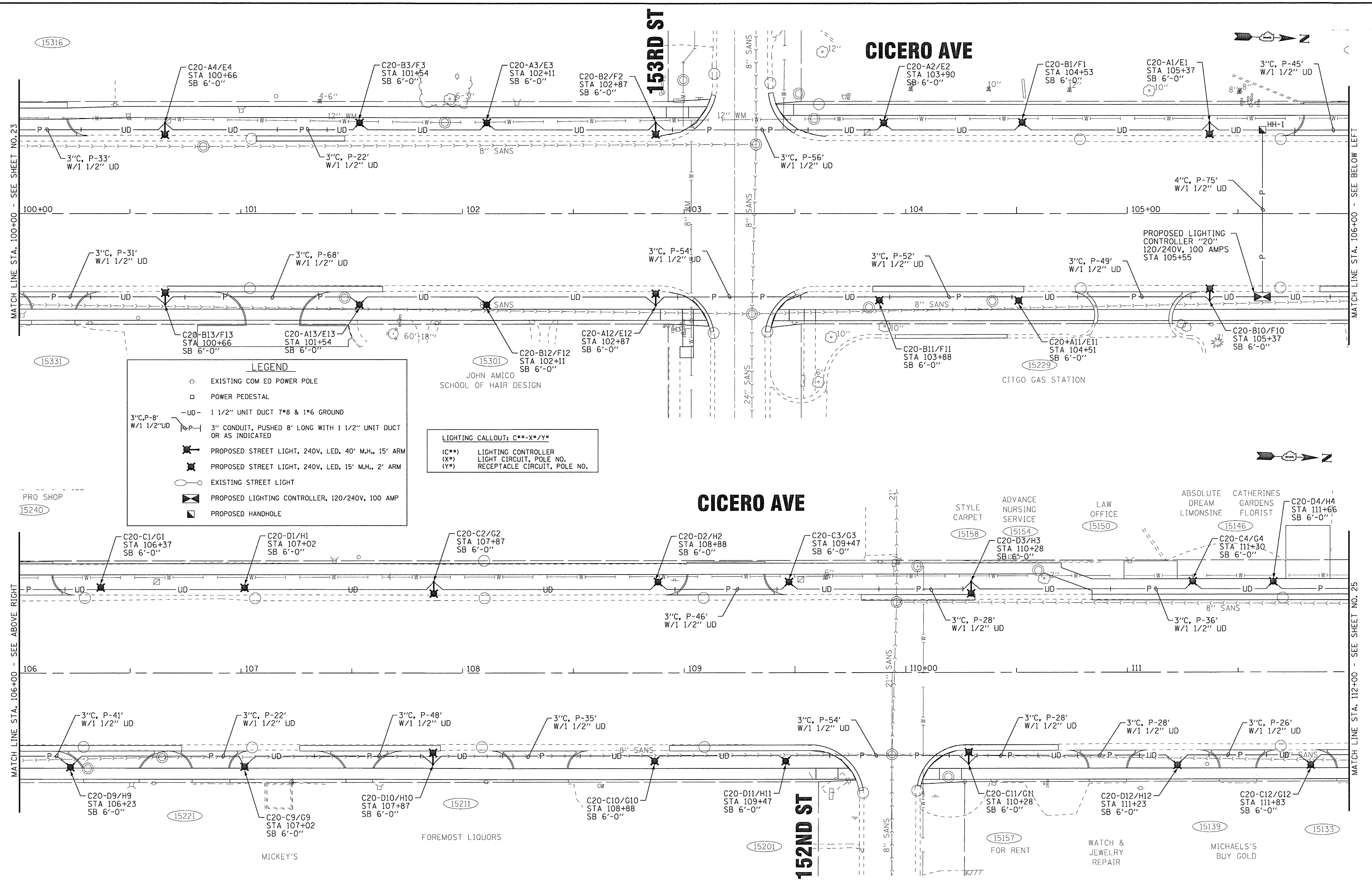
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING PLAN
CICERO AVENUE

SCALE: 1" = 20'

STA. 89+00 TO STA. 100+00

F.A.P. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-M-4003(520)		CONTRACT NO. 61D57		



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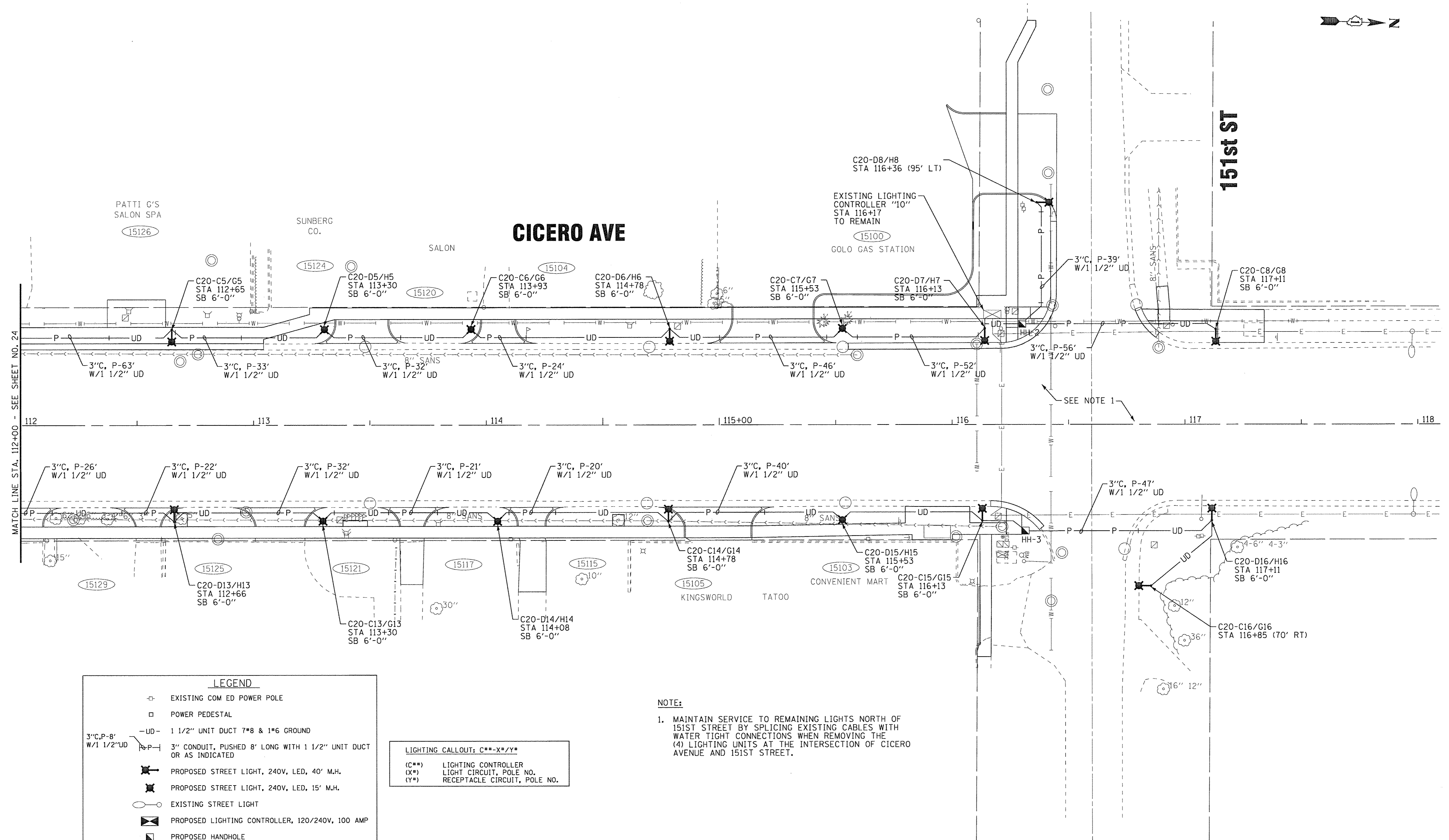
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING PLAN
CICERO AVENUE

SCALE: 1" = 20'

STA. 100+00 TO STA. 112+00

F.A.P. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42	SHEET NO. 24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-M-400315201				



LEGEND	
	EXISTING COM ED POWER POLE
	POWER PEDESTAL
	1 1/2" UNIT DUCT 7#8 & 1#6 GROUND
	3" CONDUIT, PUSHED 8' LONG WITH 1 1/2" UNIT DUCT OR AS INDICATED
	PROPOSED STREET LIGHT, 240V, LED, 40' M.H.
	PROPOSED STREET LIGHT, 240V, LED, 15' M.H.
	EXISTING STREET LIGHT
	PROPOSED LIGHTING CONTROLLER, 120/240V, 100 AMP
	PROPOSED HANDHOLE

LIGHTING CALLOUT: C##-X#/#	
(C##)	LIGHTING CONTROLLER
(X#)	LIGHT CIRCUIT, POLE NO.
(Y#)	RECEPTACLE CIRCUIT, POLE NO.

NOTE:
 1. MAINTAIN SERVICE TO REMAINING LIGHTS NORTH OF 151ST STREET BY SPLICING EXISTING CABLES WITH WATER TIGHT CONNECTIONS WHEN REMOVING THE (4) LIGHTING UNITS AT THE INTERSECTION OF CICERO AVENUE AND 151ST STREET.

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	DRAWN - CJC	REVISED -					350	14-00103-00-MS	COOK	42	25
	CHECKED - JCC	REVISED -					CONTRACT NO. 61D57				
	DATE - 1-30-17	FILE - 100744SHT_Lighting3.dgn			SCALE: 1" = 20'	STA. 112+00 TO STA. 118+00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-M-4003(520)				

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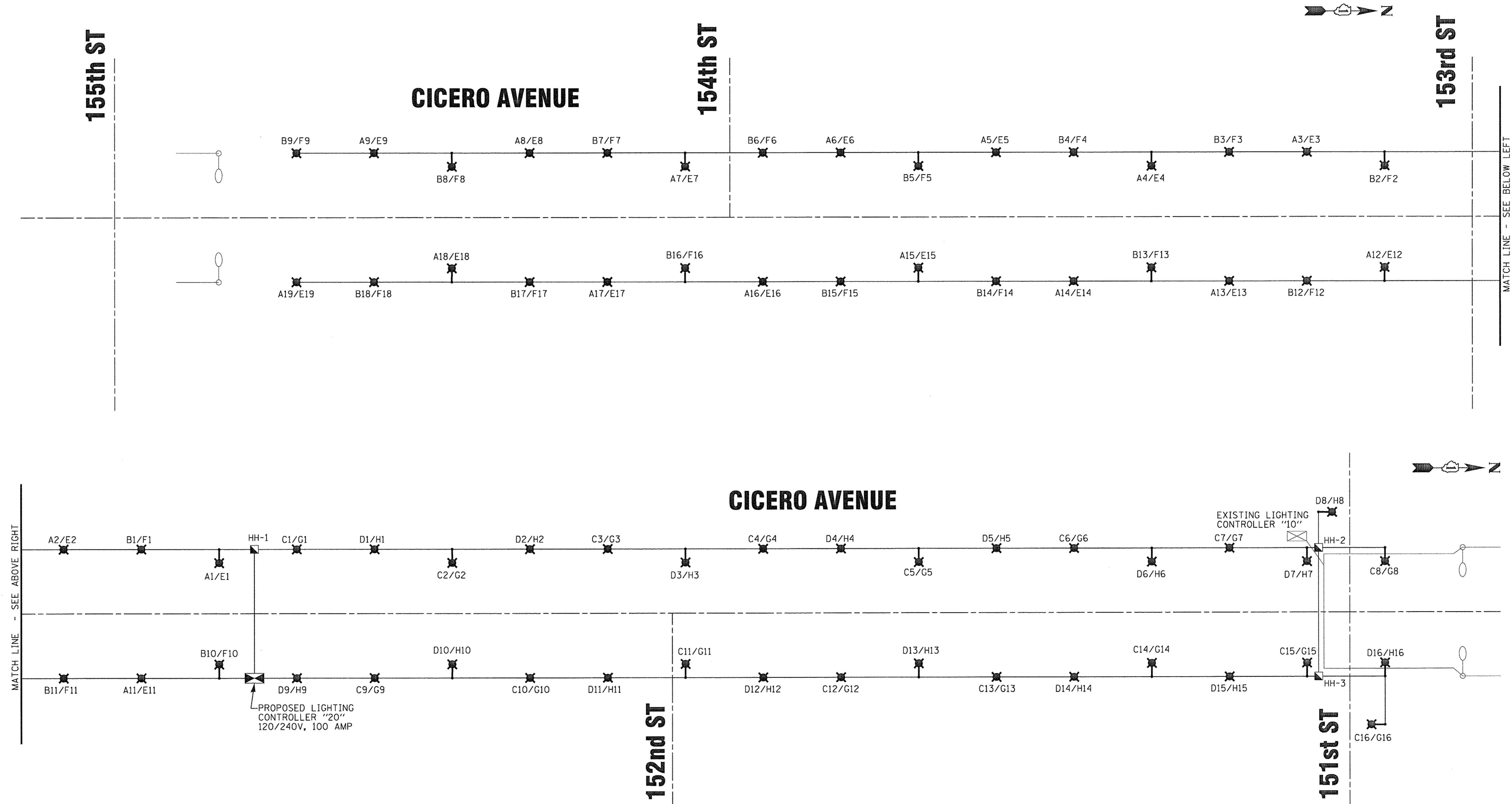
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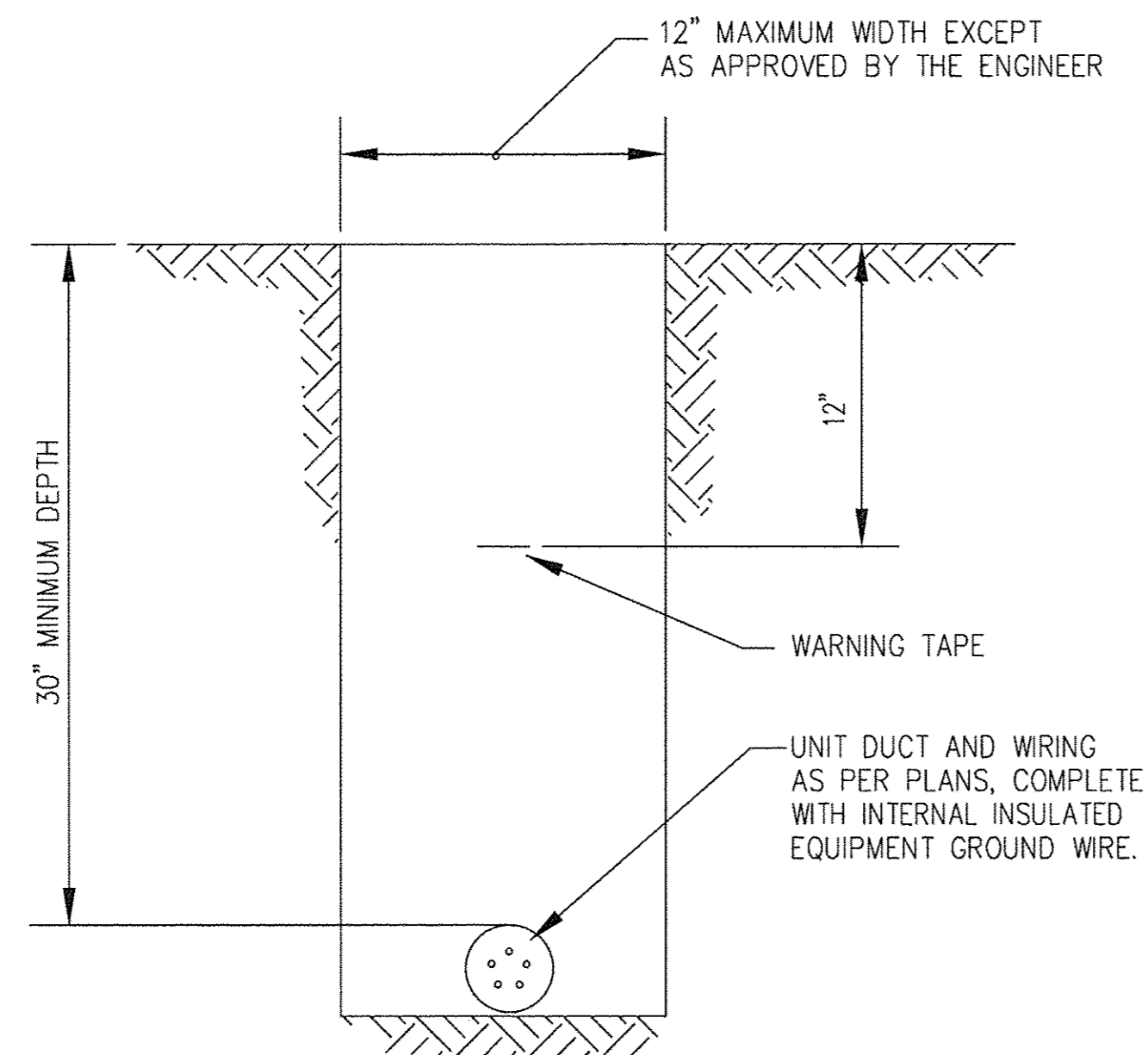
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STREET LIGHTING SCHEMATIC

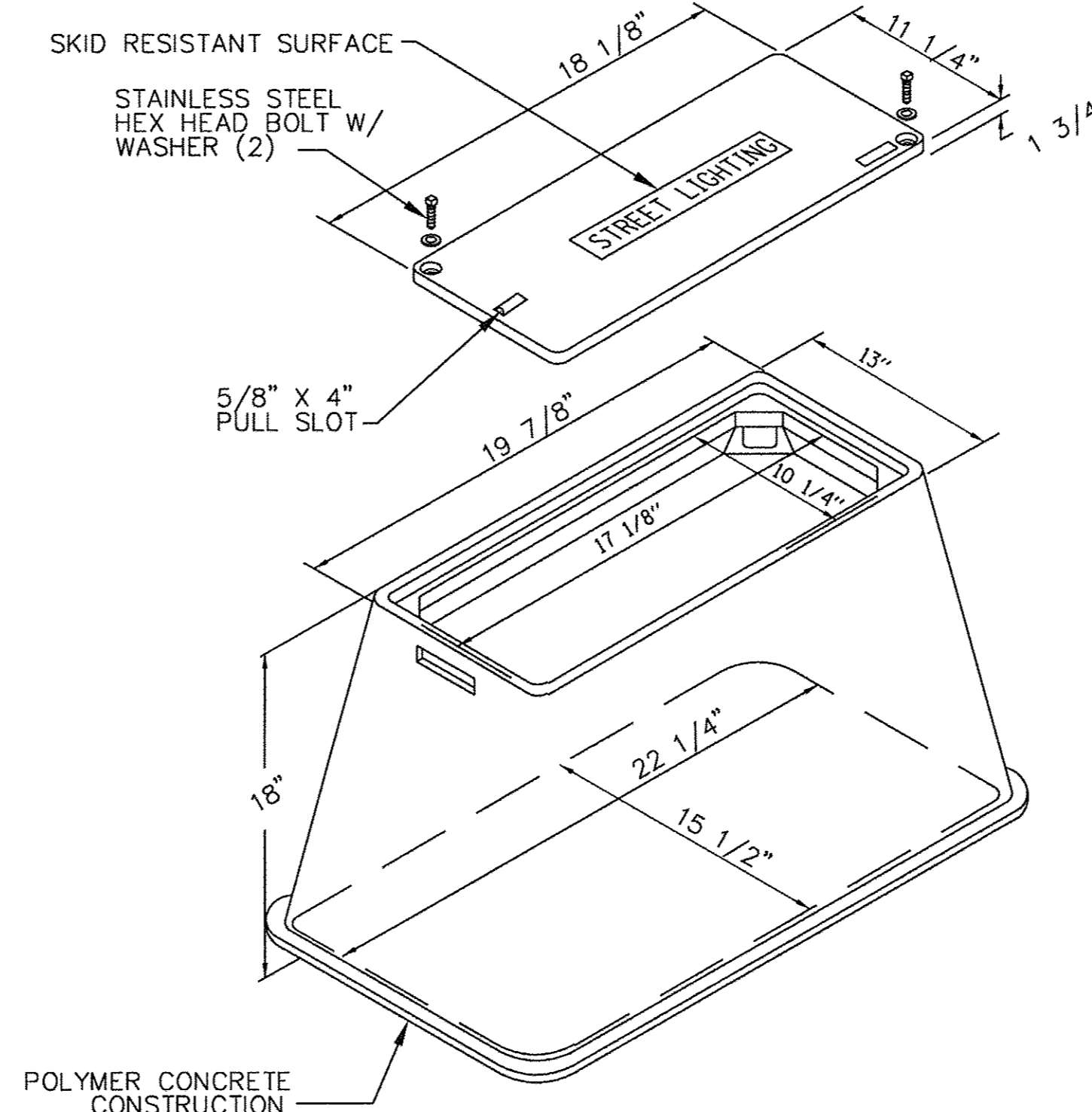
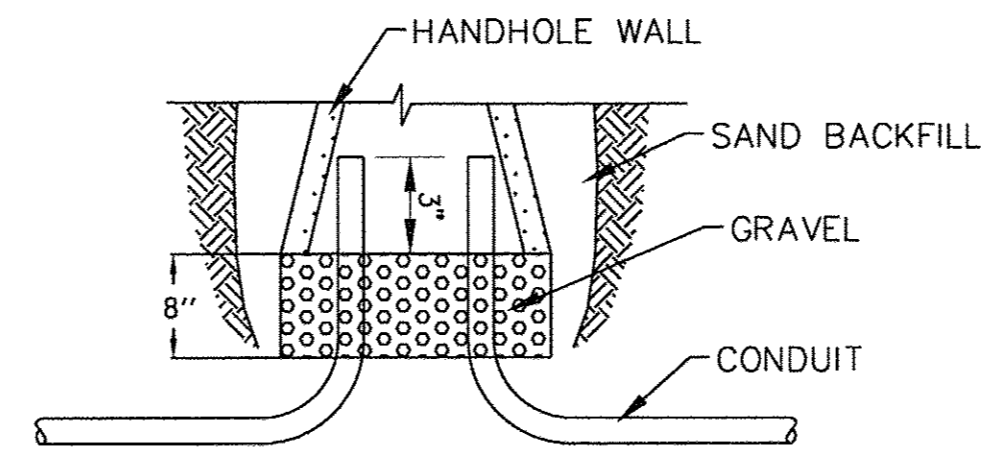
SCALE: NONE STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	26
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT TE-M-400315201		
		CONTRACT NO. 61D57		

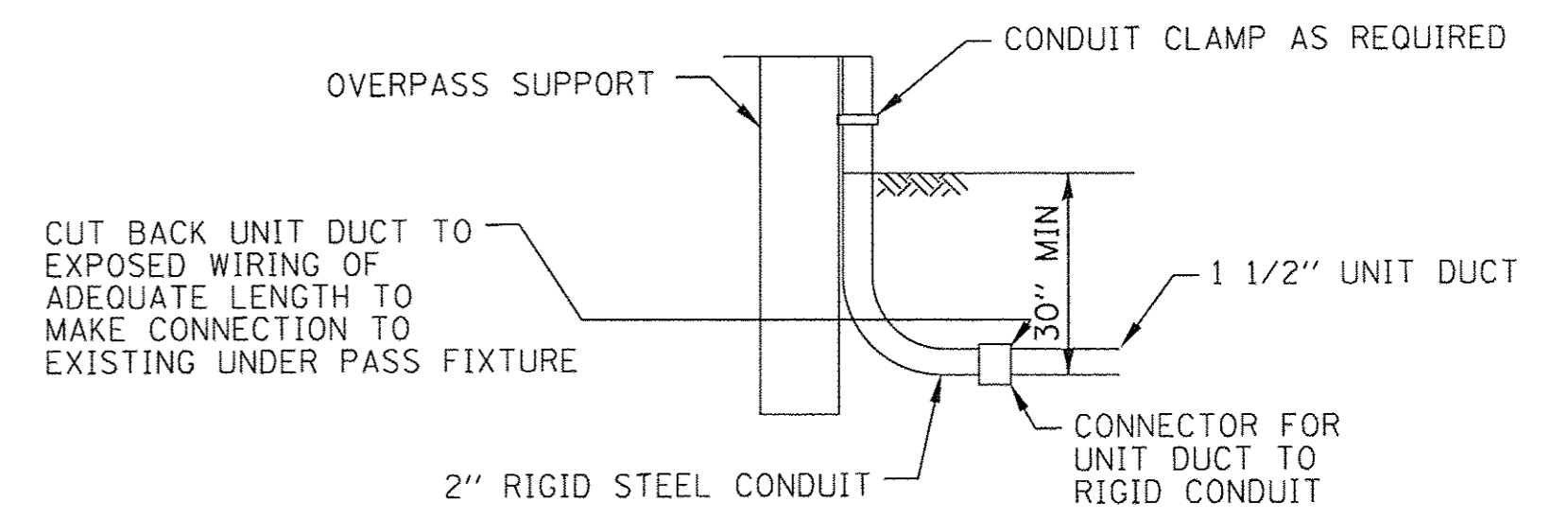




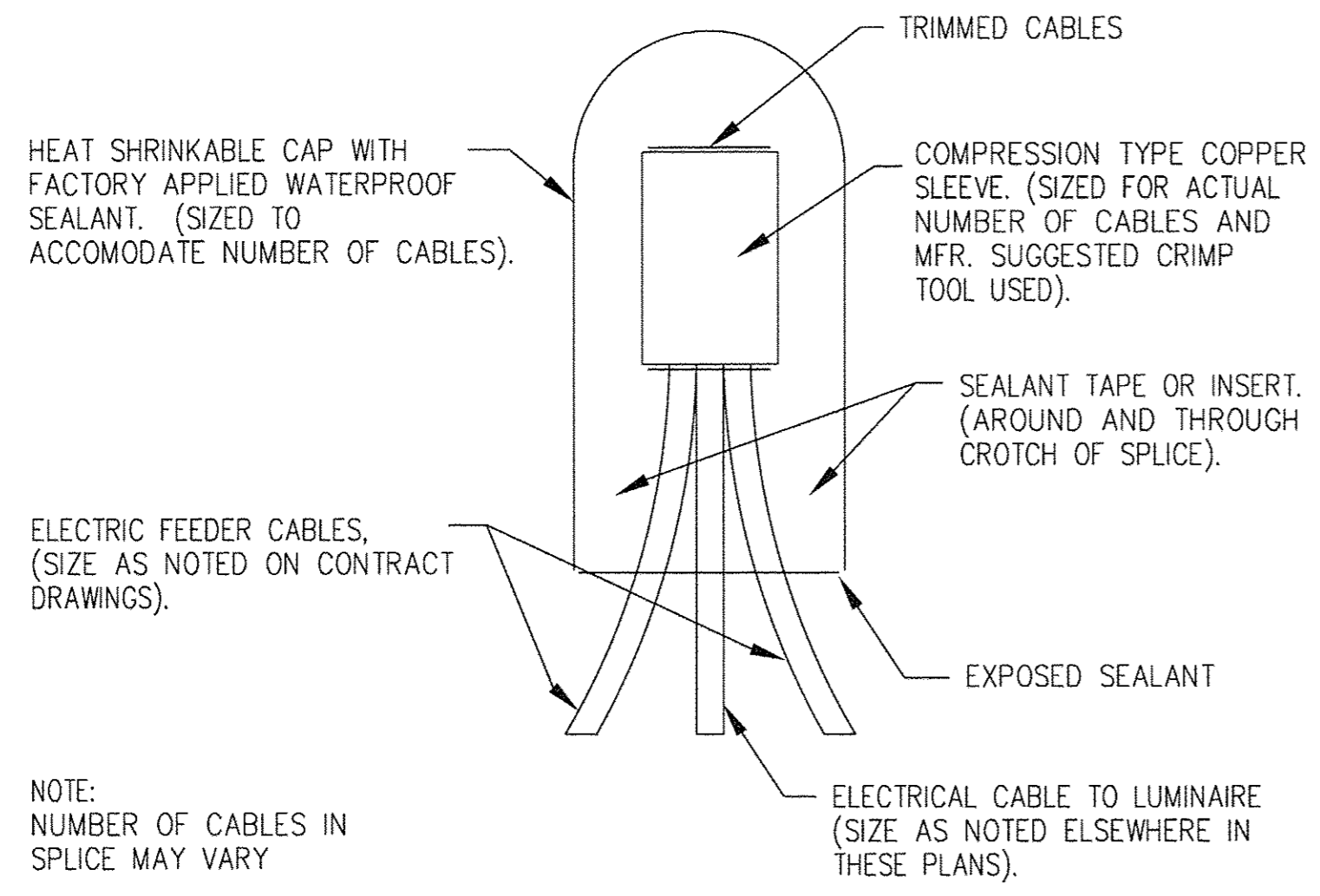
TYPICAL WIRING IN TRENCH DETAIL
NO SCALE



HANDHOLE, COMPOSITE CONCRETE
NO SCALE



TYPICAL DETAIL FOR SPLICING CONDUIT TO UNIT DUCT



SPLICING ELECTRICAL CABLES
BASIC MATERIALS AND METHODS
NO SCALE

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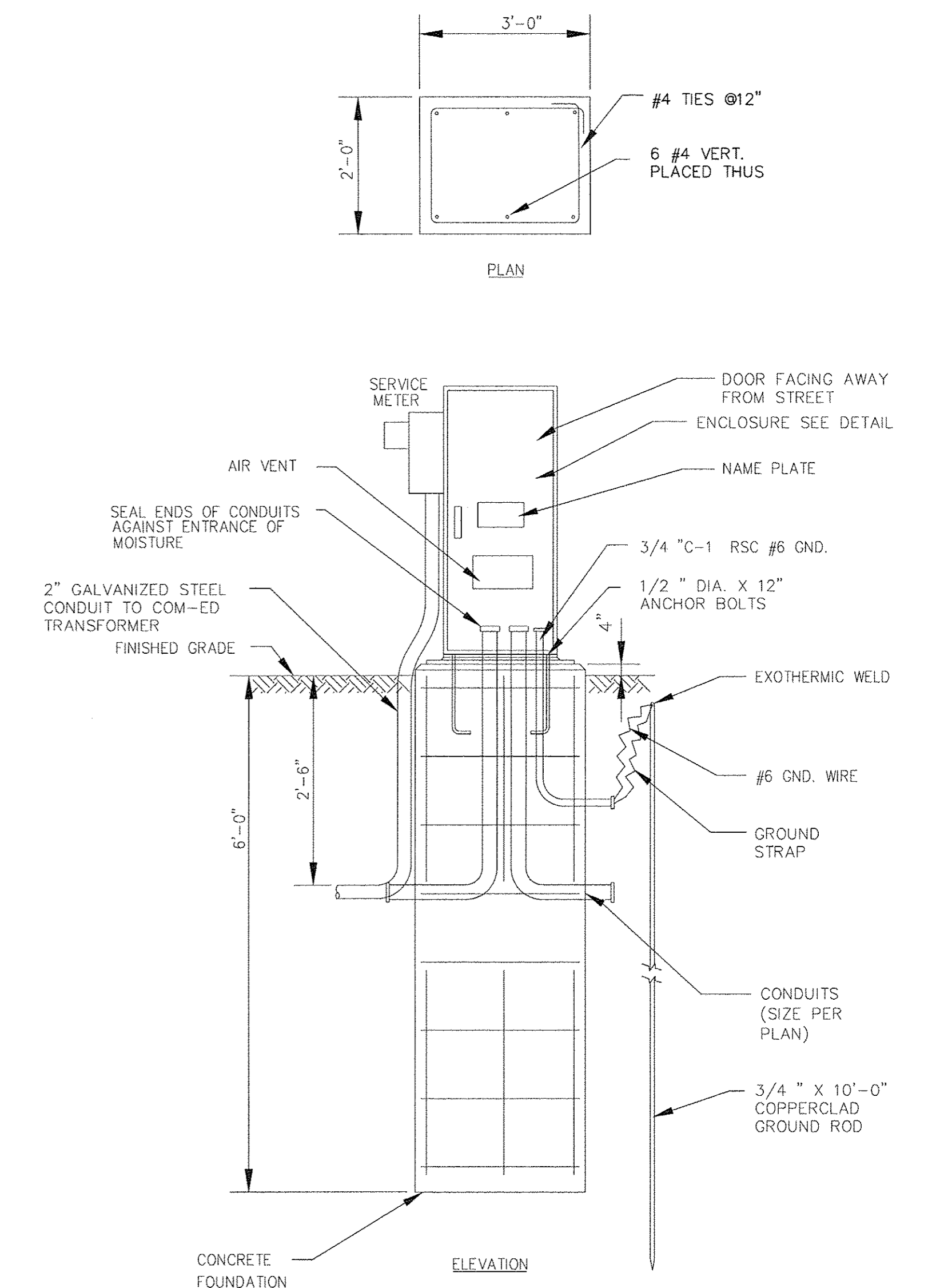
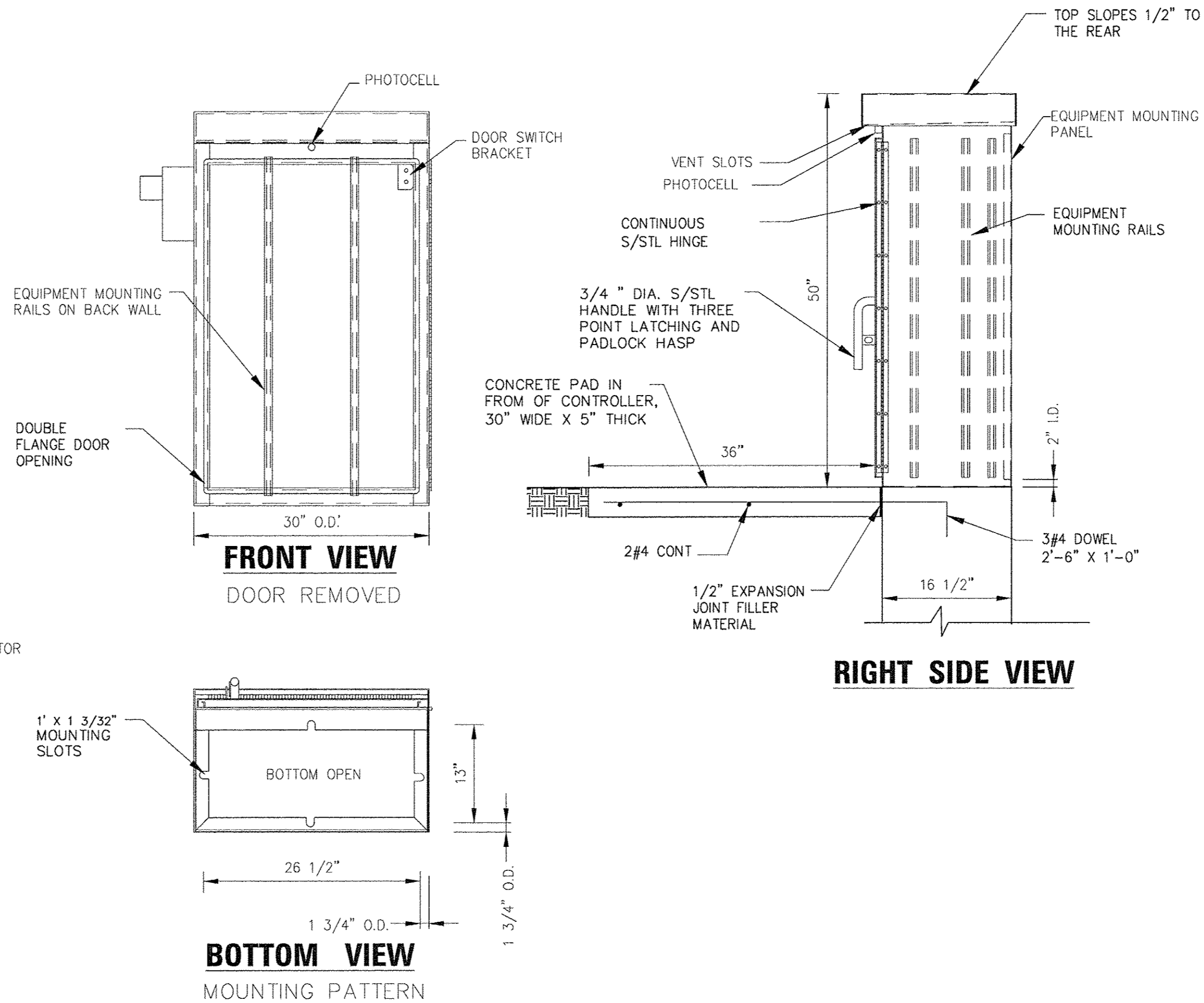
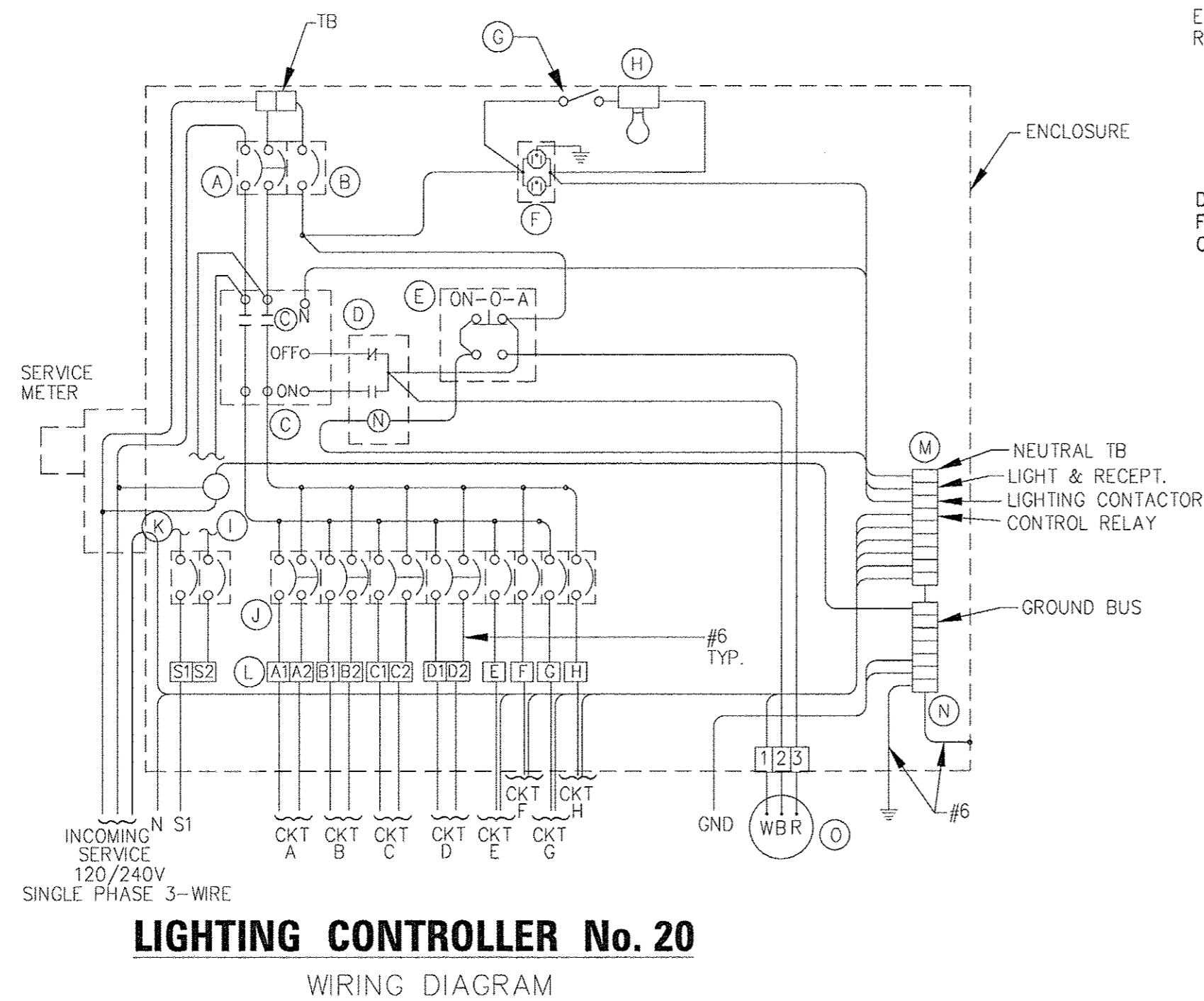
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	DATE - 1-30-17	FILE - 100744SHT_SL-Details.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS

SCALE: NONE STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	27
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-400316201			CONTRACT NO. 61D57	



LIGHTING CONTROLLER AND FOUNDATION DETAIL
NO SCALE

NOTE:
INSTALL (2) SPARE 2" CONDUITS STUBBED OUT INTO HANDHOLE AND CAPPED.

- NOTES:**
- CABINET SHALL BE FABRICATED FROM 0.125-INCH SHEET ALUMINUM #3003H14, FORMED AND ARC WELDED ASSEMBLY WITH NEMA 3R RATING.
 - ALL SCREWS AND HARDWARE SHALL BE PLATED, GALVANIZED, OR MADE OF BRASS, ALUMINUM OR STAINLESS STEEL.
 - NAME PLATE SHALL HAVE ENGRAVED 0.75-INCH HIGH LETTERS FILLED IN BLACK: "STREET LIGHTING".
 - CABINET SHALL BE PRIMED AND PAINTED AS SPECIFIED.
 - ELECTRIC UTILITY METER BOX SHALL BE MOUNTED ON THE SIDE OF CONTROL CABINET AS SHOWN ON THE PANEL LAYOUT DIAGRAM.
 - THE COMPLETED CONTROLLER SHALL BE U.L. LISTED AS AN INDUSTRIAL CONTROL PANEL UNDER UL508.
 - METAL MOUNTING PANEL SHALL BE #10 GAUGE GALVANIZED SHEET STEEL FLANGED BACK 0.75-INCHES I.D. ON 4 SIDES.
 - CIRCUIT BREAKERS AND CONTACTORS AND OTHER COMPONENTS SHALL BE MOUNTED ON 0.125-INCH THICK GLASTIC INSULATION BACK PANEL.
 - ALL DEVICES SHALL BE FRONT REMOVABLE.
 - BUS BAR SHALL HAVE 22 LUG TERMINALS SIZED TO ACCOMMODATE REQUIRED WIRE SIZES. NEUTRAL BUS SHALL BE PAINTED WHITE. GROUND BUS SHALL BE PAINTED GREEN.
 - ALL LUGS SHALL BE COPPER SCREWS AND CONNNECTORS, SPRING HELD.
 - ALL WIRING TERMINATIONS SHALL BE RATED NOT LESS THAN 75 DEGREE CENTIGRADE.
 - ALL CONTROL WIRING SHALL BE 600V MACHINE TOOL WIRE TYPE MTW.
 - ALL POWER WIRING SHALL BE 600V TYPE RHH/RHW.
 - A LAMINATED COPY OF THE CIRCUIT SCHEMATIC DIAGRAM SHALL BE ATTACHED TO THE INSIDE OF THE CONTROLLER.
 - ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12 AWG STRANDED UNLESS OTHERWISE INDICATED.
 - ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

ITEM	QTY.	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 100 A., BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 22,000 RMS SYMMETRICAL AMPERES AT 240 V.
B	2	CONTROL CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, SINGLE-POLE, 120 V. SINGLE PHASE 20 A. BOLT-ON TYPE, TRIP INTERRUPTING RATING OF 14,000 RMS SYMMETRICAL AMPERES AT 120 V.
C	1	LIGHTING CONTACTOR MECHANICALLY HELD, CUTLER HAMMER A202K3B*M 100 A. 2-POLE, 600 V. WITH 120 COIL
D	1	CONTROL RELAY CUTLER HAMMER D3PR2 RATED 12 A. AT 120 VAC
E	1	ON-OFF-AUTO 3-POSITION SELECTOR SWITCH GE CR104P HEAVY DUTY SWITCH, RATED FOR 10 A. AT 600 VAC.
F	1	GFCI RECEPTACLE, 120 V., 20 A. SPEC. GRADE, NEMA CONFIG. 5-20R
G	1	SPDT MOMENTARY NORMALLY OPEN, NORMALLY CLOSED PUSHBUTTON SWITCH CUTLER HAMMER B4F1063 RATED 15 A. AT 120 V.
H	1	60 WATT LIGHT FIXTURE, VAPOR TIGHT, WITH GLOBE, GUARD AND MOUNTING BOX.
I	1	SECONDARY SURGE ARRESTER SQUARE D SDSA1175, 175 VAC PHASE-TO-GROUND MAXIMUM
J	4	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 2-POLE, 240 V. SINGLE-PHASE, 30A TRIP INTERRUPTING RATING 10,000 RMS SYMMETRICAL AMPERES AT 240 V.
K	6	BRANCH CIRCUIT BREAKER, MOLDED CASE, THERMAL MAGNETIC, 1-POLE, 120 V. SINGLE-PHASE, 20A. TRIP INTERRUPTING RATING 10,000 RMS SYMMETRICAL AMPERES.
L	1	TERMINAL BLOCK RATED 600 V., 85 A.
M	1	COPPER NEUTRAL BUS
N	1	COPPER GROUND BUS
O	1	PHOTOCELL--120V, BUTTON STYLE, DELAY TYPE, SPST

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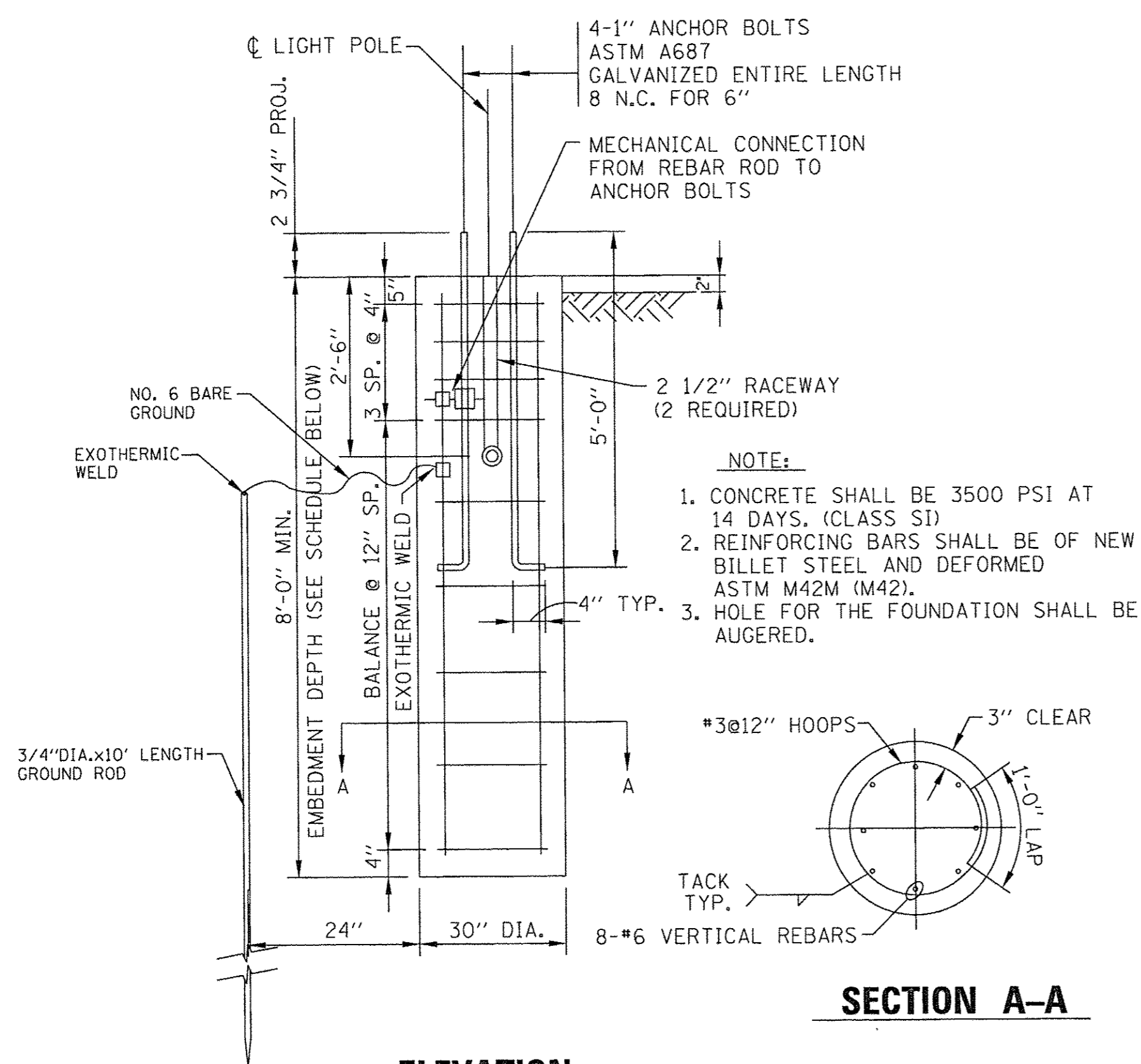
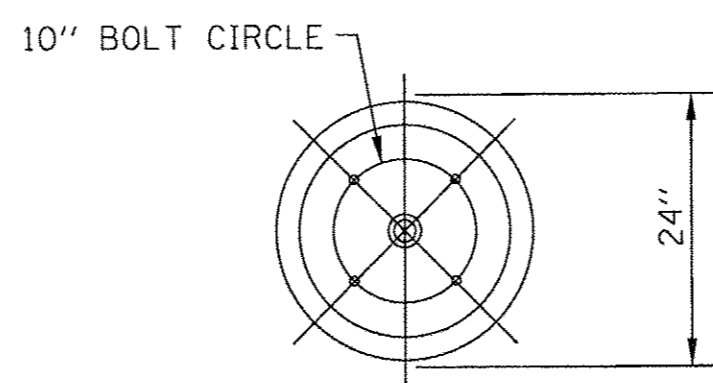
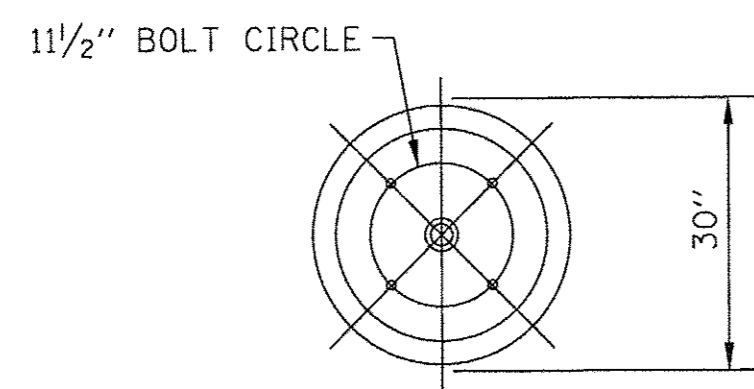
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS

SCALE: NONE STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	28
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-4003520			CONTRACT NO. 61057	

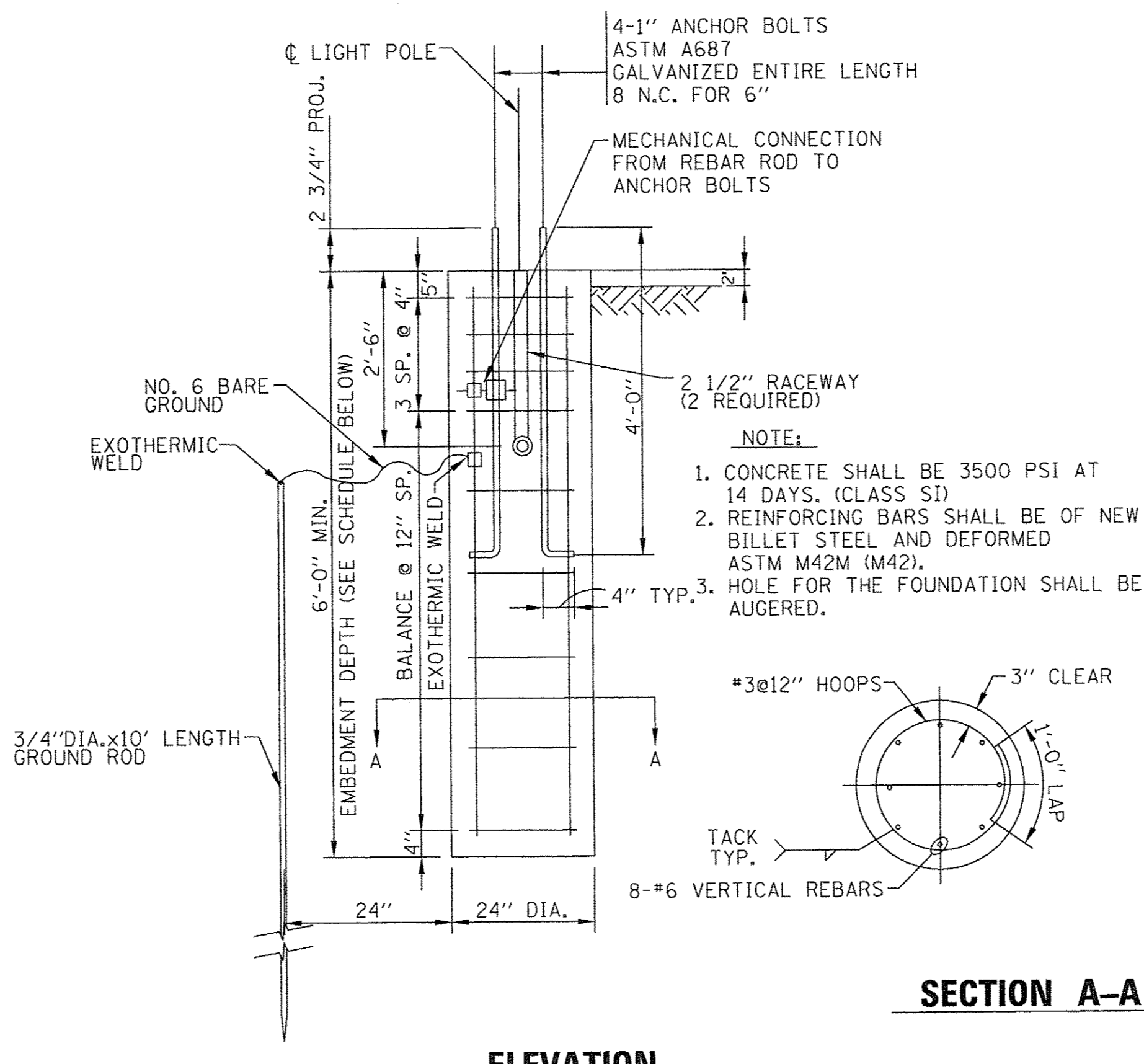
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ELEVATION
ROADWAY LIGHT UNIT TYPICAL

FOUNDATION SCHEDULE		
TYPE OF SOILS		EMBEDMENT
DESCRIPTION	STANDARDS	
SOFT CLAY	Qu = .25-.50 T/FT ²	13'-0"
MEDIUM CLAY	Qu = .25-.50 T/FT ²	10'-0"
DENSE CLAY	Qu = .25-.50 T/FT ²	8'-0"
LOOSE SAND	N = 4-10	10'-6"
MEDIUM SAND	N = 10-30	9'-0"
DENSE SAND	N = 30-50	8'-6"

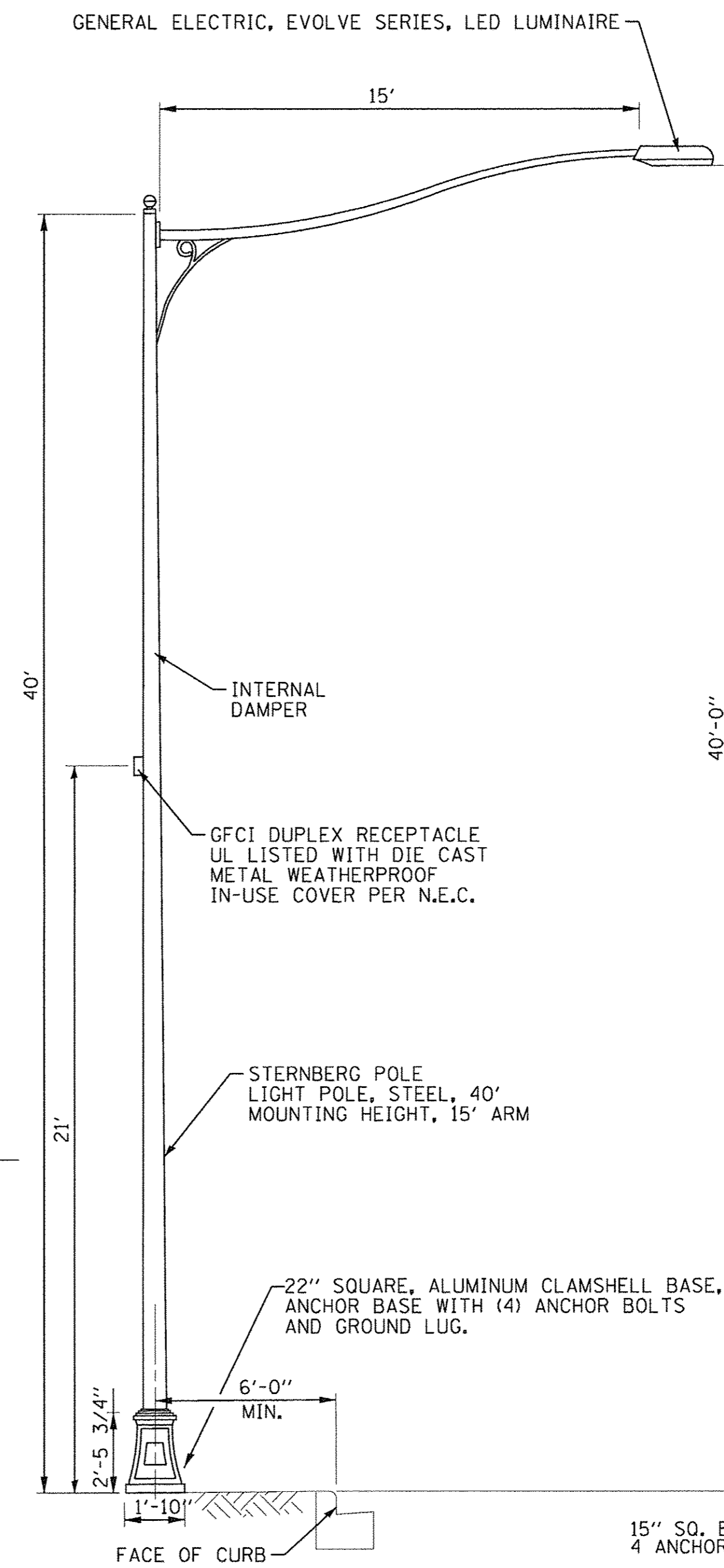
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NO SCALE



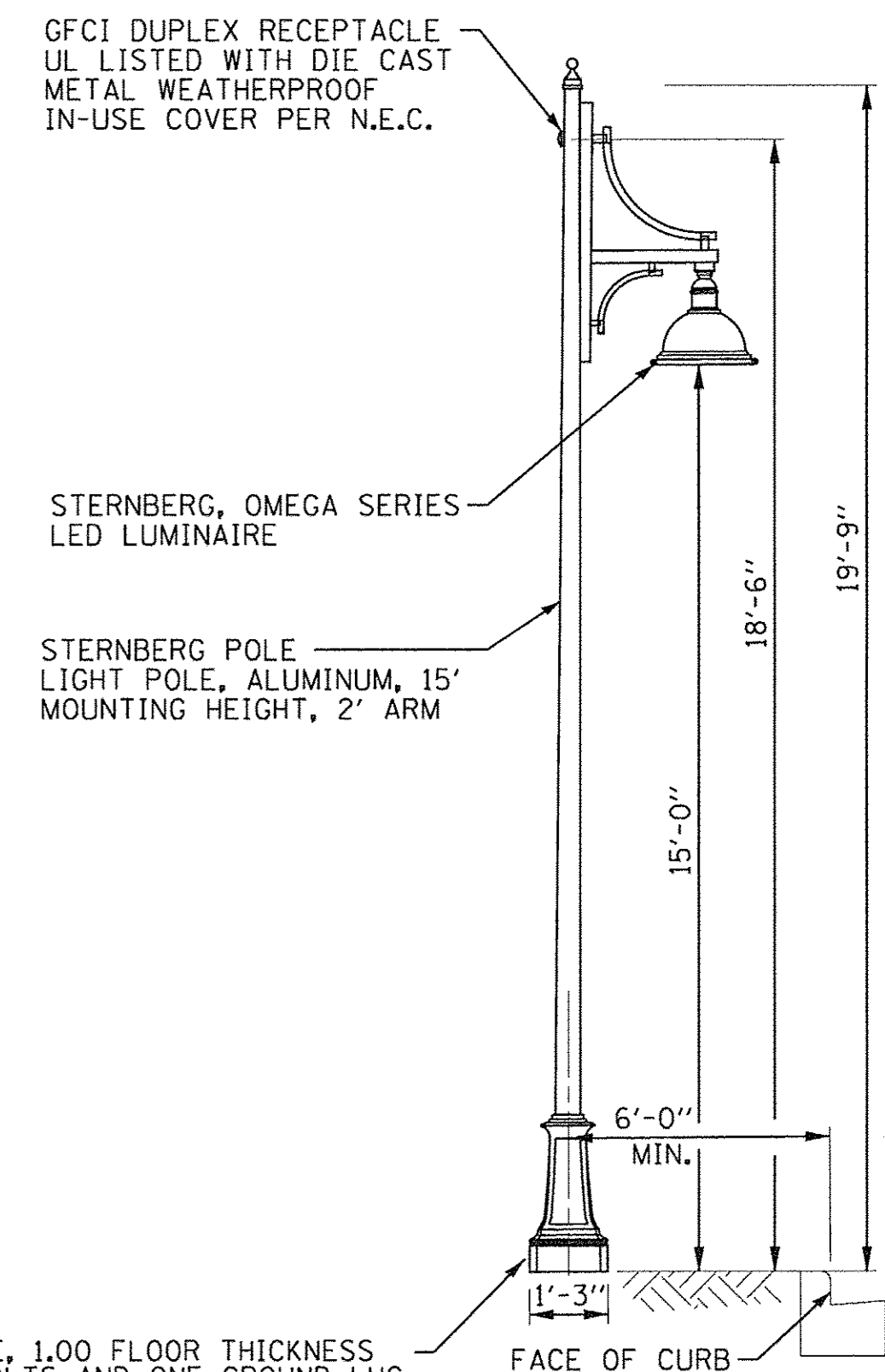
ELEVATION
ORNAMENTAL LIGHT UNIT TYPICAL

FOUNDATION SCHEDULE		
TYPE OF SOILS		EMBEDMENT
DESCRIPTION	STANDARDS	
SOFT CLAY	Qu = .25-.50 T/FT ²	11'-0"
MEDIUM CLAY	Qu = .25-.50 T/FT ²	8'-0"
DENSE CLAY	Qu = .25-.50 T/FT ²	6'-0"
LOOSE SAND	N = 4-10	8'-6"
MEDIUM SAND	N = 10-30	7'-0"
DENSE SAND	N = 30-50	6'-6"

ORNAMENTAL LIGHT UNIT POLE FOUNDATION (TYPICAL)
NO SCALE



ROADWAY LIGHT UNIT



ORNAMENTAL LIGHT UNIT

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DATE - 1-30-17	FILE - 100744SHT_SL-Details.dgn

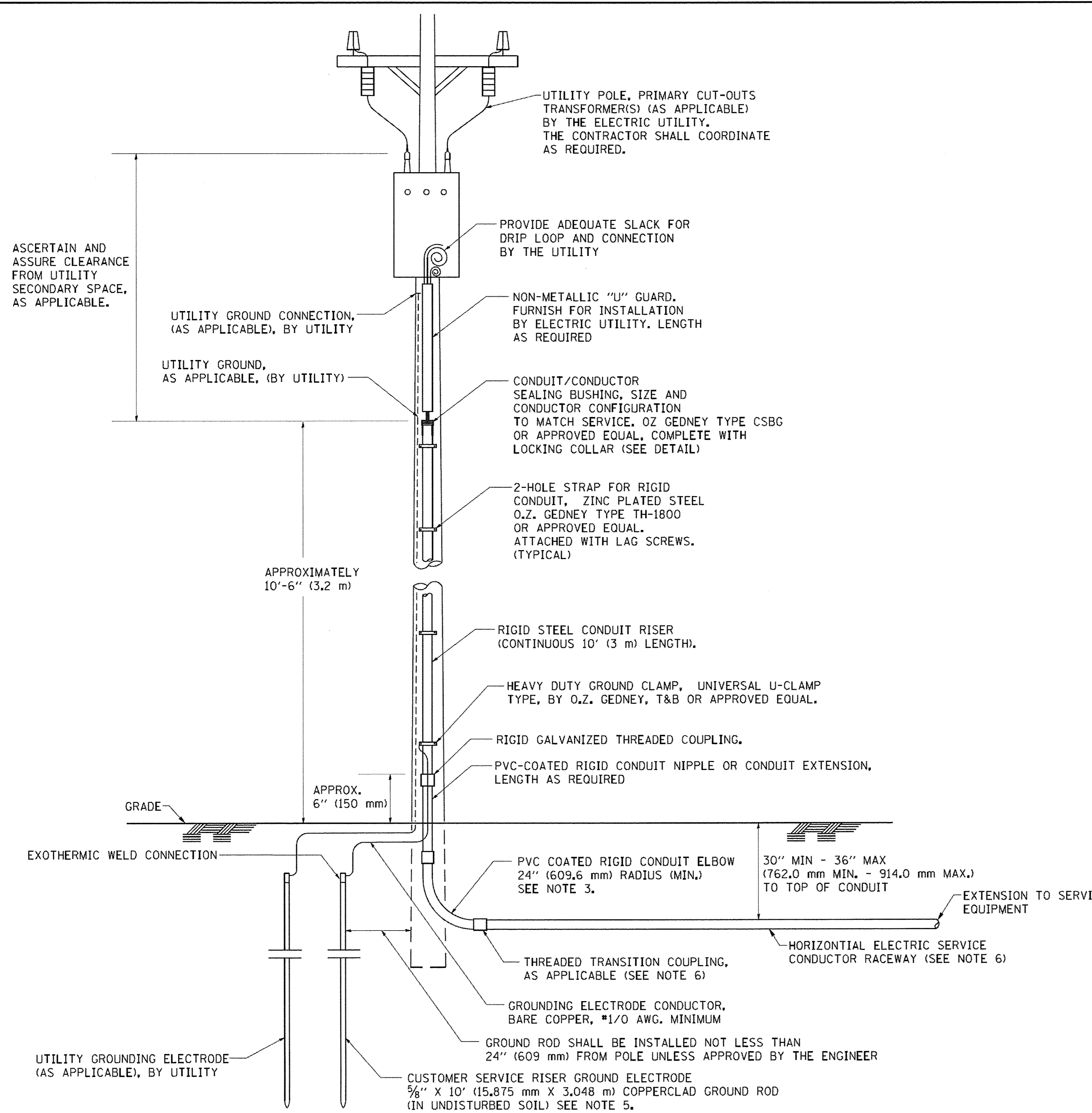
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET LIGHTING DETAILS

SCALE: NONE

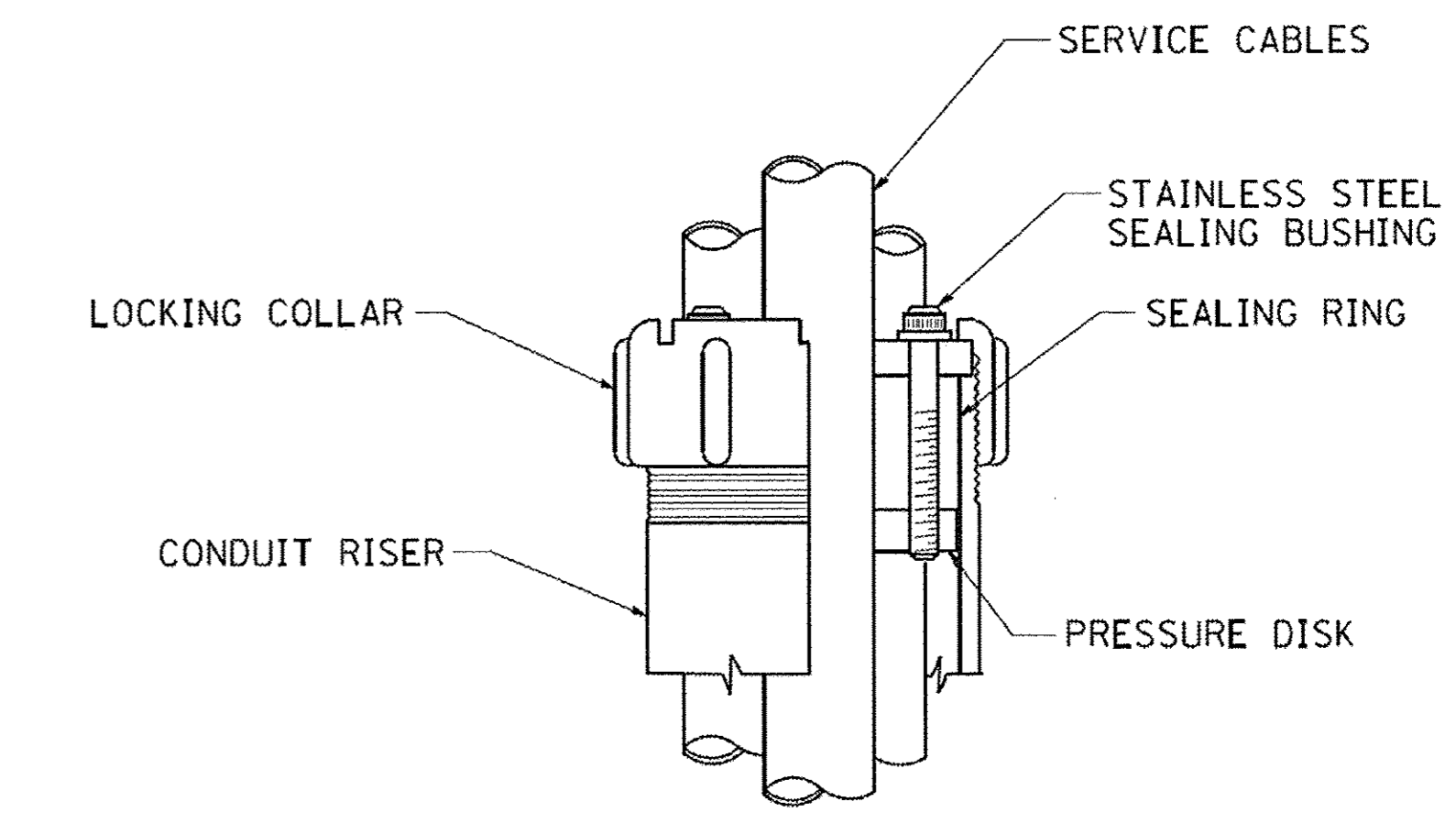
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	29
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT TE-M-40035201			CONTRACT NO. 61D57	



APPLICATION
 THIS DETAIL APPLIES FOR LOW VOLTAGE ELECTRIC SERVICE (660 V OR LESS) FROM AN OVERHEAD UTILITY SUPPLY TO SEPERATLY-MOUNTED SERVICE EQUIPMENT.

- NOTES**
- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
 - UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.
 - CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUCTOR RACEWAY AS INDICATED ON THE PLANS.
 - PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
 - THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY "U" GUARD INSTALLATION AND SERVICE CONNECTION.
 - THE HORIZONTAL ELECTRIC SERVICE CONDUCTOR RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALIC TO NON METALIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
 - PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION IS REQUIRED AND SHALL BE INCLUDED IN THE ELECTRIC UTILITY SERVICE INSTALLATION PAY ITEM.



SEALING BUSHING DETAIL

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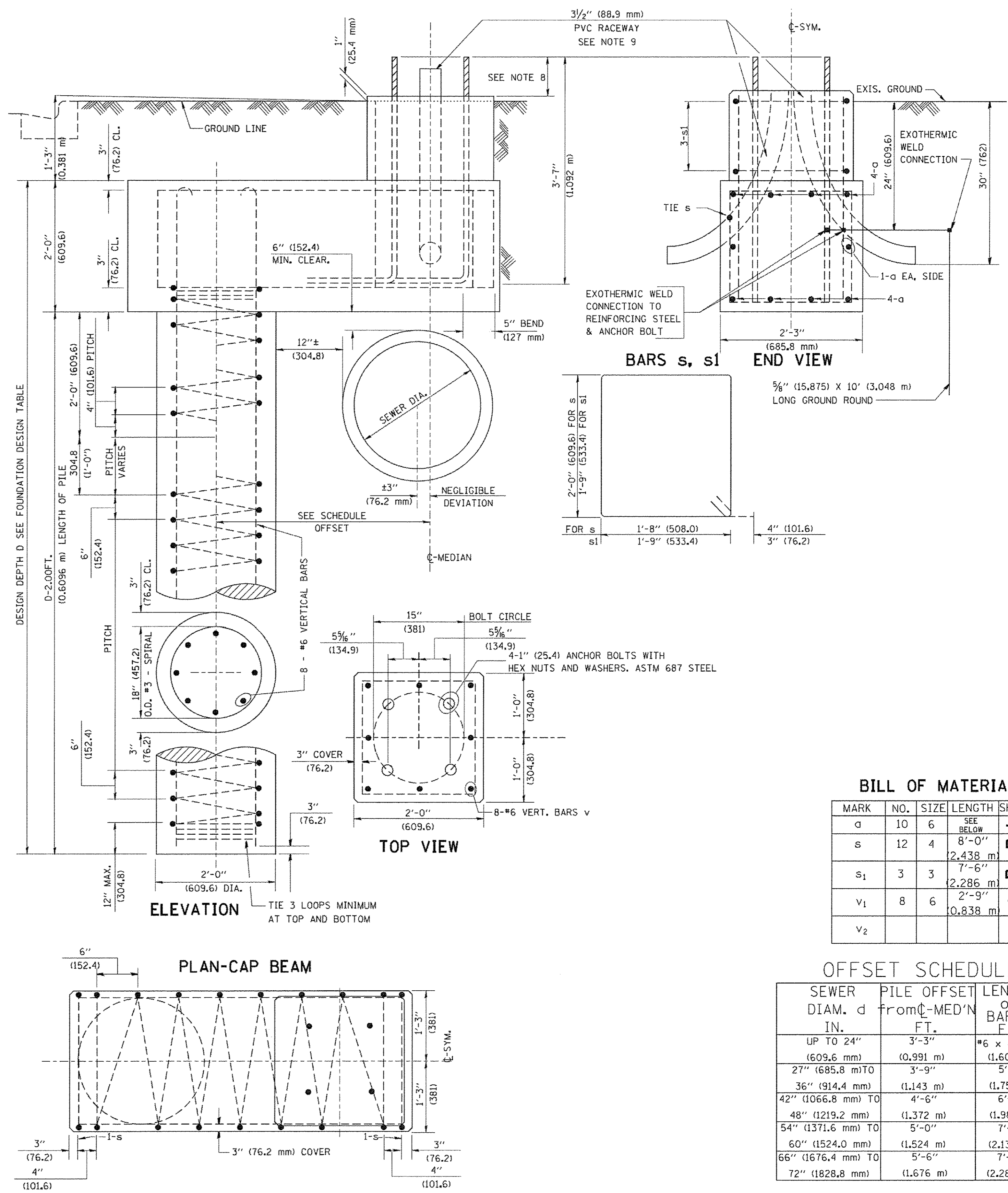
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PLOT SCALE = 50.0000' / IN.	CHECKED - MEA	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BE-220		CONTRACT NO. 61D57		
PLOT DATE = 1/4/2008	DATE -	CHECKED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT E-M-4003(520)							
		DATE -	REVISED -									

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3,962 m)	15'-0" (4,572 m)	8-#6X12'-6" (3,810 m)	#3X122' (37,186 m)	8-#6X14'-3" (4,343 m)	#3X141' (42,977 m)
MEDIUM CLAY	9'-6" (2,896 m)	10'-9" (3,277 m)	8-#6X9'-0" (2,743 m)	#3X90' (27,432 m)	8-#6X10'-0" (3,048 m)	#3X100' (30,480 m)
STIFF CLAY	7'-0" (2,134 m)	8'-0" (2,438 m)	8-#6X6'-6" (1,981 m)	#3X66' (20,112 m)	8-#6X7'-6" (2,286 m)	#3X76' (23,165 m)
LOOSE SAND	9'-0" (2,743 m)	10'-0" (3,048 m)	8-#6X8'-6" (2,591 m)	#3X85' (25,908 m)	8-#6X9'-6" (2,896 m)	#3X94' (28,651 m)
MEDIUM SAND	8'-3" (2,515 m)	9'-0" (2,743 m)	8-#6X8'-0" (2,438 m)	#3X78' (23,774 m)	8-#6X8'-6" (2,591 m)	#3X85' (25,908 m)
DENSE SAND	7'-9" (2,362 m)	9'-0" (2,743 m)	8-#6X7'-6" (2,286 m)	#3X73' (22,250 m)	8-#6X8'-6" (2,591 m)	#3X85' (25,908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1,524 m)	5'-0" (1,524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105), NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERRECTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2,438 m)	□
s1	3	3	7'-6" (2,286 m)	□
v1	8	6	2'-9" (0,838 m)	—
v2				

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH of BAR a FT.
UP TO 24"	3'-3"	#6 x 5'-3"
(609.6 mm)	(0,991 m)	(1,600 m)
27" (685.8 mm) TO	3'-9"	5'-9"
36" (914.4 mm)	(1,143 m)	(1,753 m)
42" (1066.8 mm) TO	4'-6"	6'-6"
48" (1219.2 mm)	(1,372 m)	(1,981 m)
54" (1371.6 mm) TO	5'-0"	7'-0"
60" (1524.0 mm)	(1,524 m)	(2,134 m)
66" (1676.4 mm) TO	5'-6"	7'-6"
72" (1828.8 mm)	(1,676 m)	(2,286 m)

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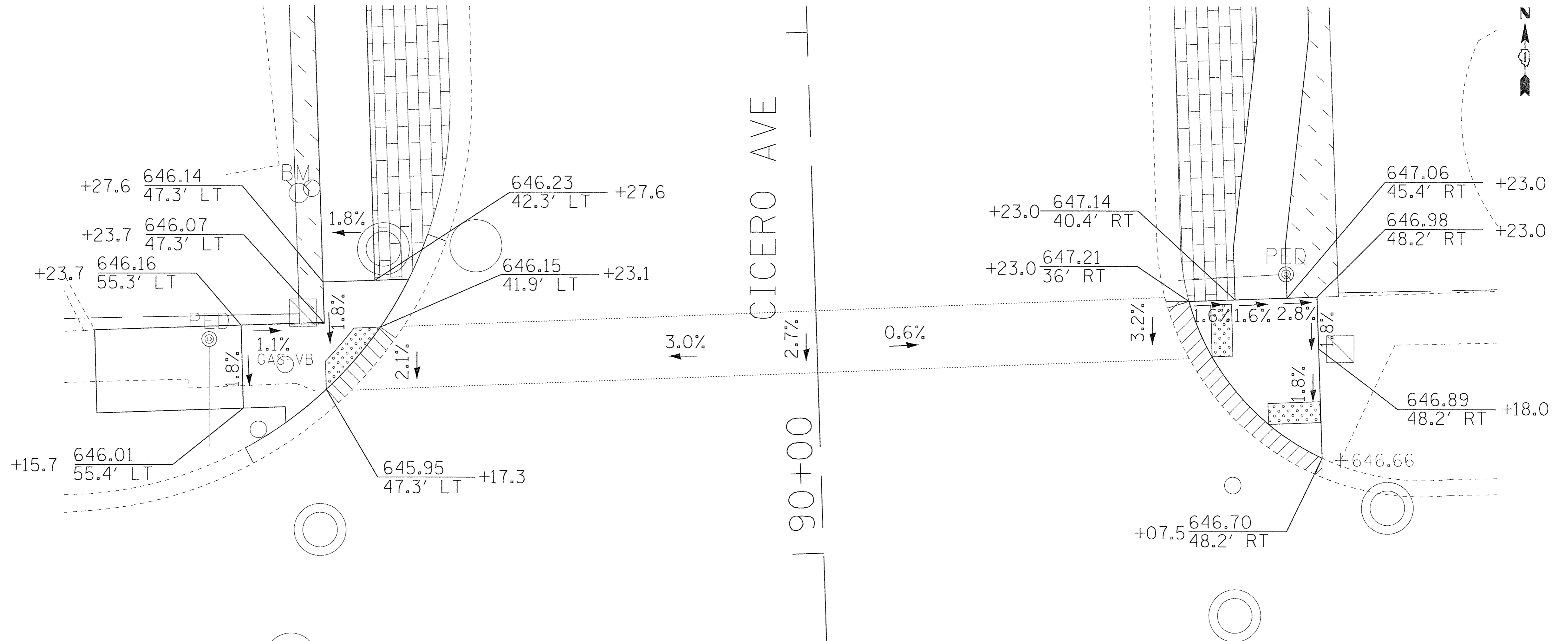
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DEPARTMENT OF TRANSPORTATION

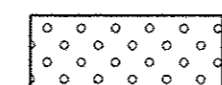


LIGHT POLE FOUNDATION OFFSET
40" (12,192 mm) TO 47 1/2" (14,478 mm) M.H.
15" (381 mm) BOLT CIRCLE

SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.
F.A. RTE. 350	SECTION 14-00103-00-MS	COUNTY COOK	TOTAL SHEETS 42 SHEET NO. 31
BE-310		CONTRACT NO. 61D57	
ILLINOIS FED. AID PROJECT E-M-4003(520)			

6/16/2008
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LEGEND

-  DETECTABLE WARNING
-  DEPRESSED CURB AND GUTTER
-  SODDING
- ±700.00 EXISTING POINT ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- TW PROPOSED TOP-OF-WALK ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION

155th ST

155th ST

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DRAWN - CJC	REVISED -
CHECKED - JCC	REVISED -
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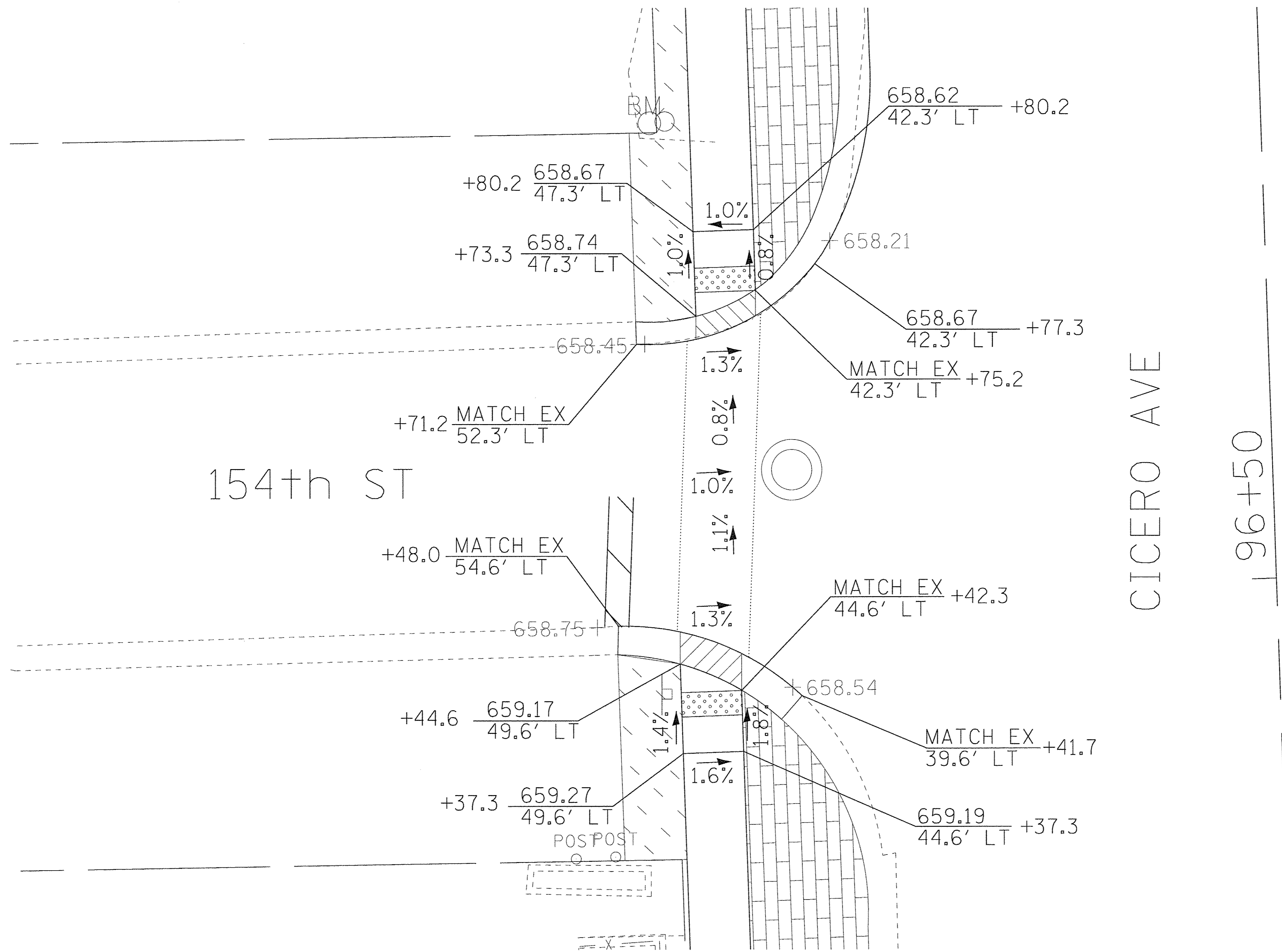
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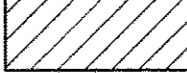
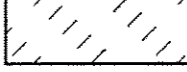
**ADA RAMP DETAILS
CICERO AVENUE**

SCALE: 1" = 5'

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-M-40031520			CONTRACT NO. 61D57	



-  DETECTABLE WARNING
-  DEPRESSED CURB AND GUTTER
-  SODDING
- \pm 700.00 EXISTING POINT ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- TW PROPOSED TOP-OF-WALK ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION

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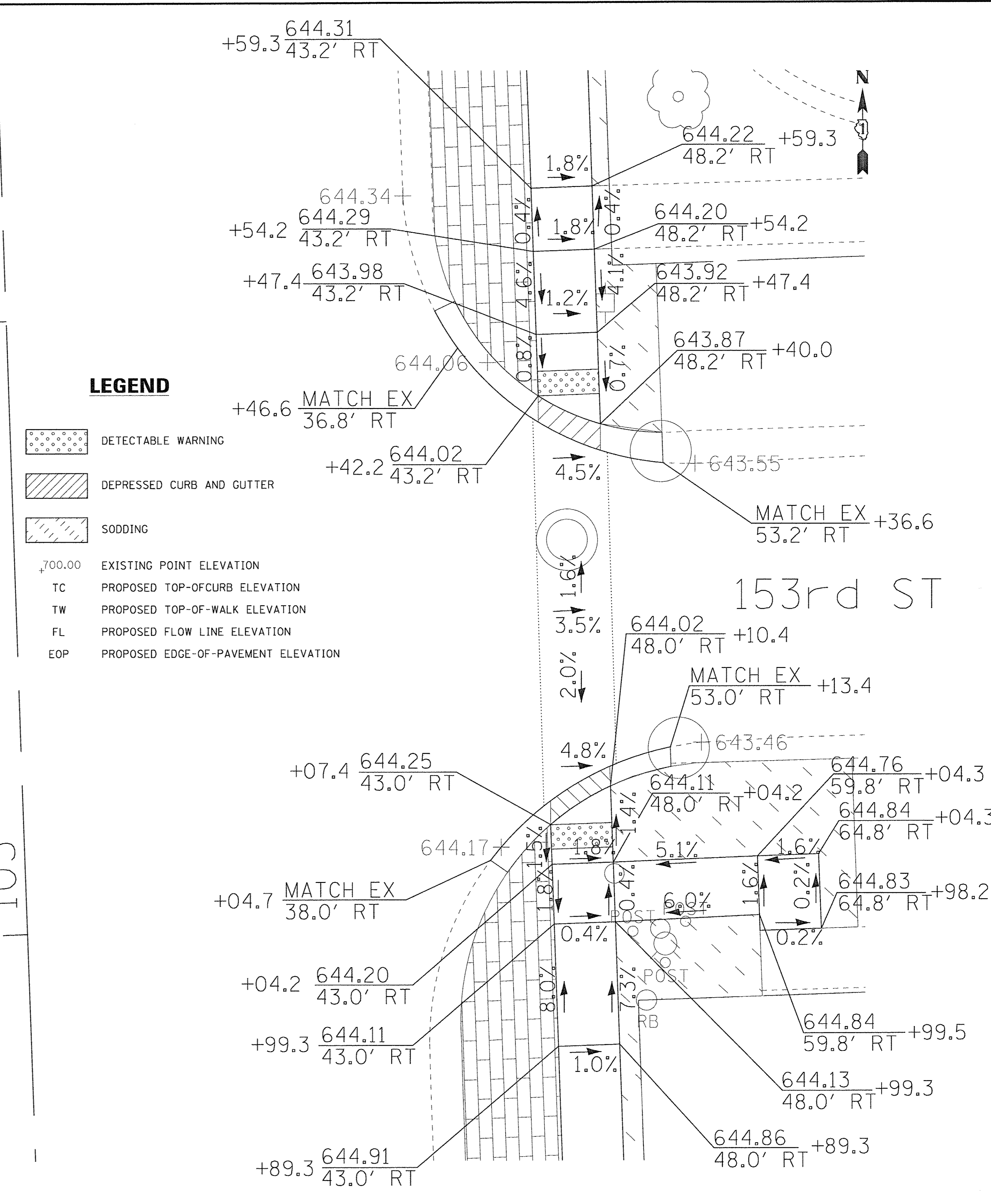
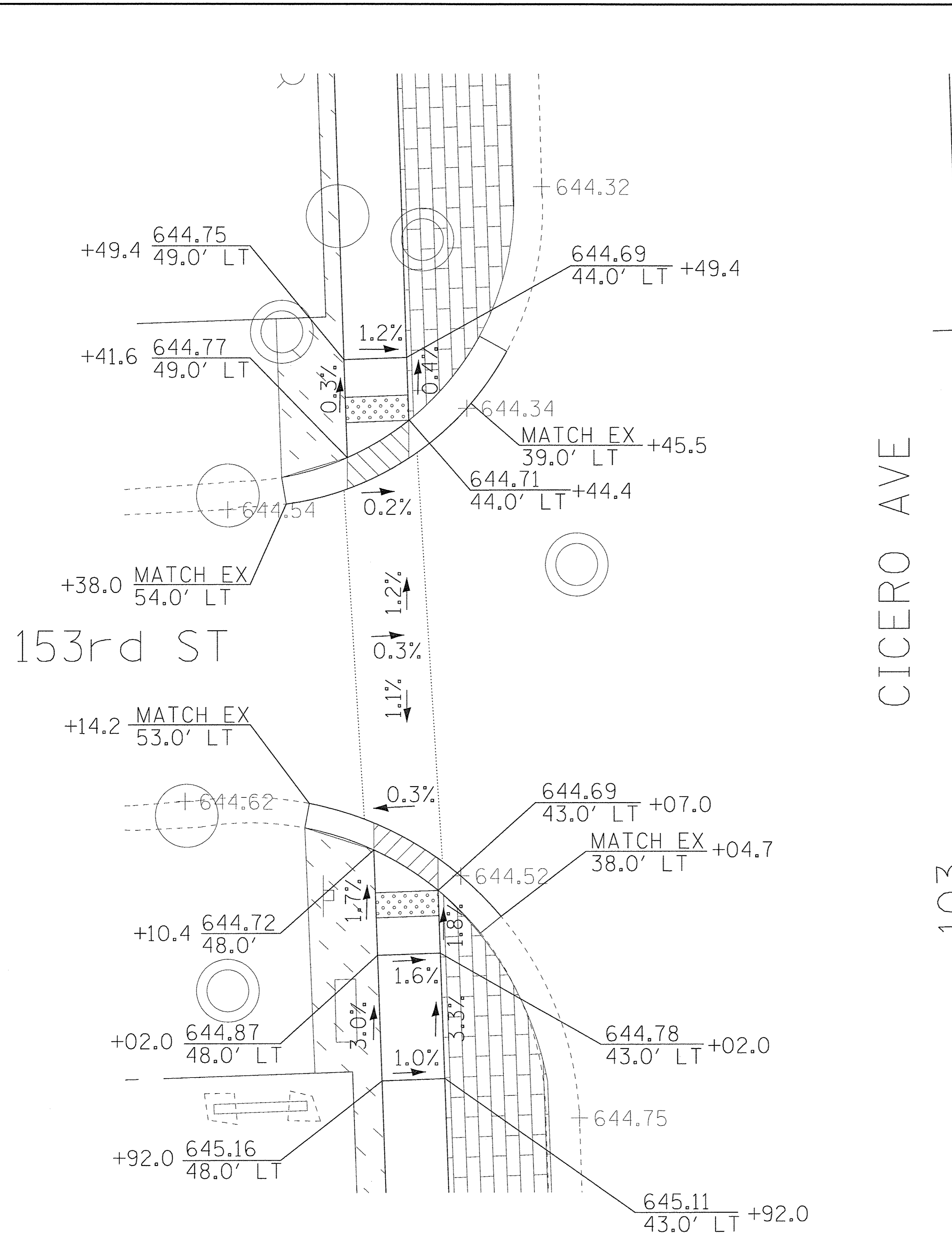
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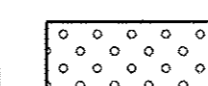
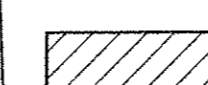
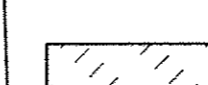
**ADA RAMP DETAILS
CICERO AVENUE**

SCALE: 1" = 5' STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	33
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT TE-M-4003(520)		
CONTRACT NO. 61D57				



LEGEND

-  DETECTABLE WARNING
-  DEPRESSED CURB AND GUTTER
-  SODDING
- ± 700.00 EXISTING POINT ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- TW PROPOSED TOP-OF-WALK ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION

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	DATE - 1-30-17	FILE - 100744SHT_Ramp_Plan3.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
CICERO AVENUE**

SCALE: 1" = 5' STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	34
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT TE-M-40031520		
		CONTRACT NO. 61D57		

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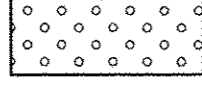
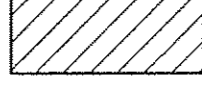
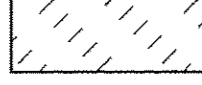
ADA RAMP DETAILS
 CICERO AVENUE

SCALE: 1" = 5'

STA. TO STA.

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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT TE-M-400315201			CONTRACT NO. 61D57	

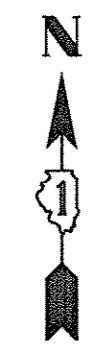
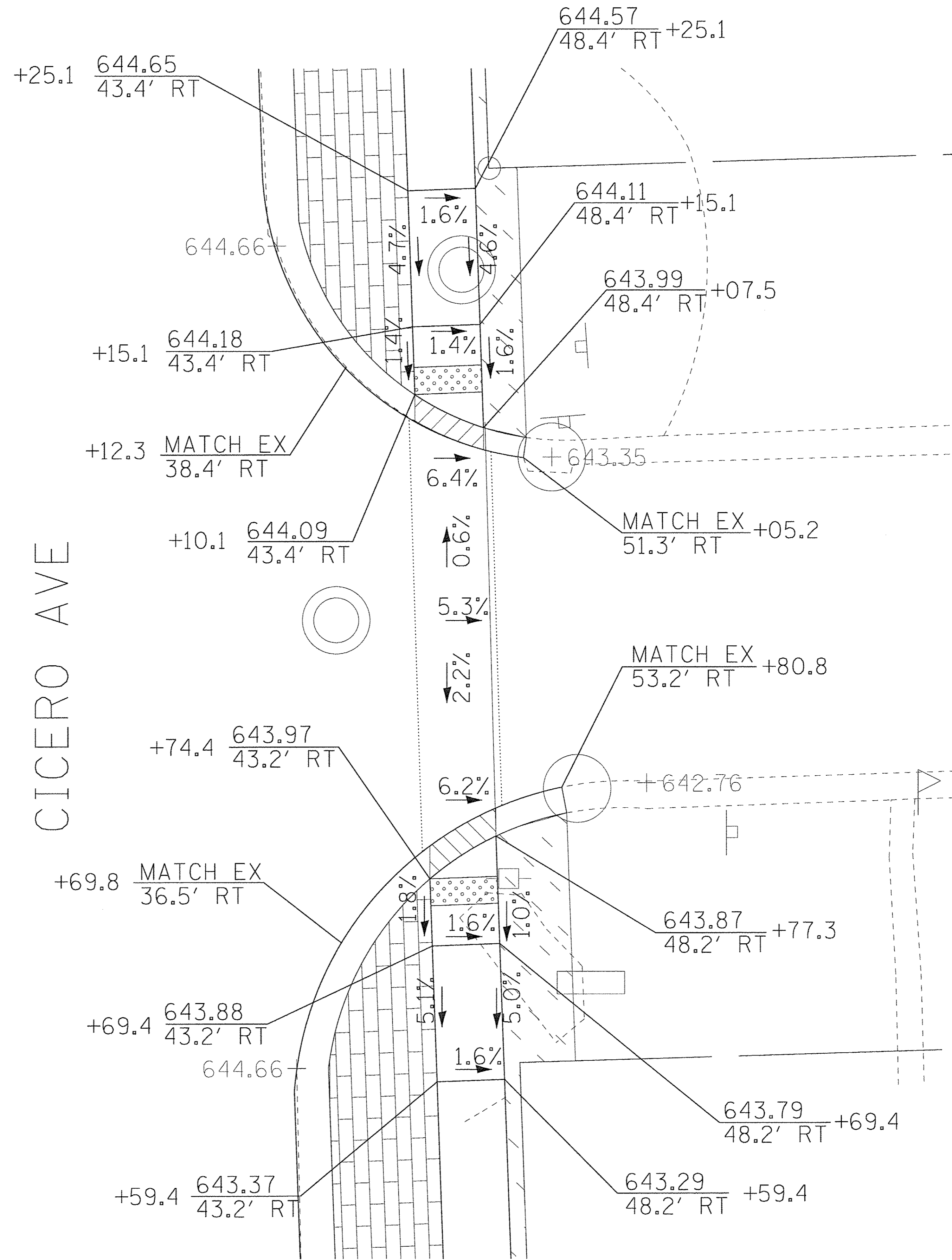
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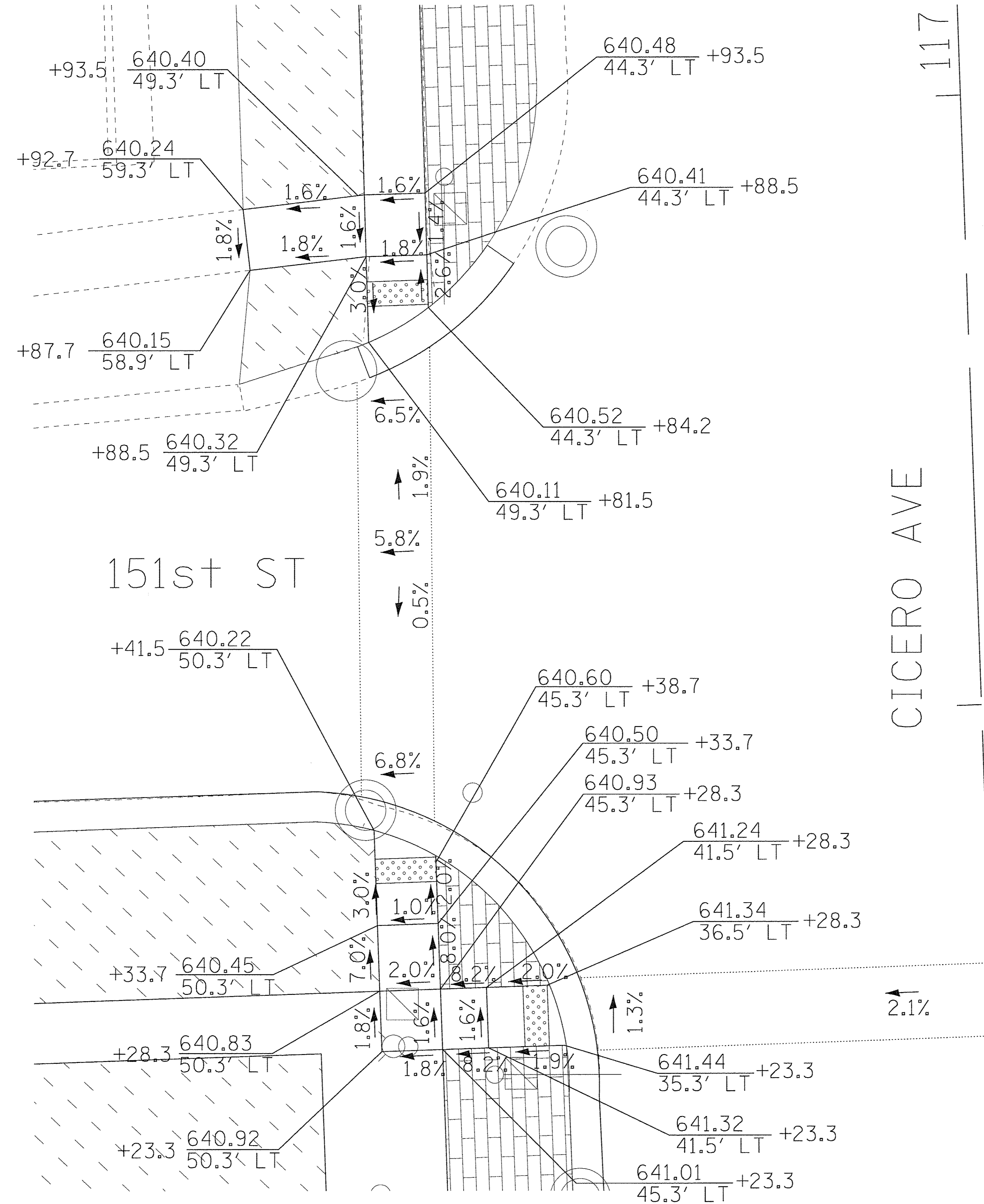
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-  DEPRESSED CURB AND GUTTER
-  SODDING
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- TC PROPOSED TOP-OF-CURB ELEVATION
- TW PROPOSED TOP-OF-WALK ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION

110+00

CICERO AVE

152nd ST

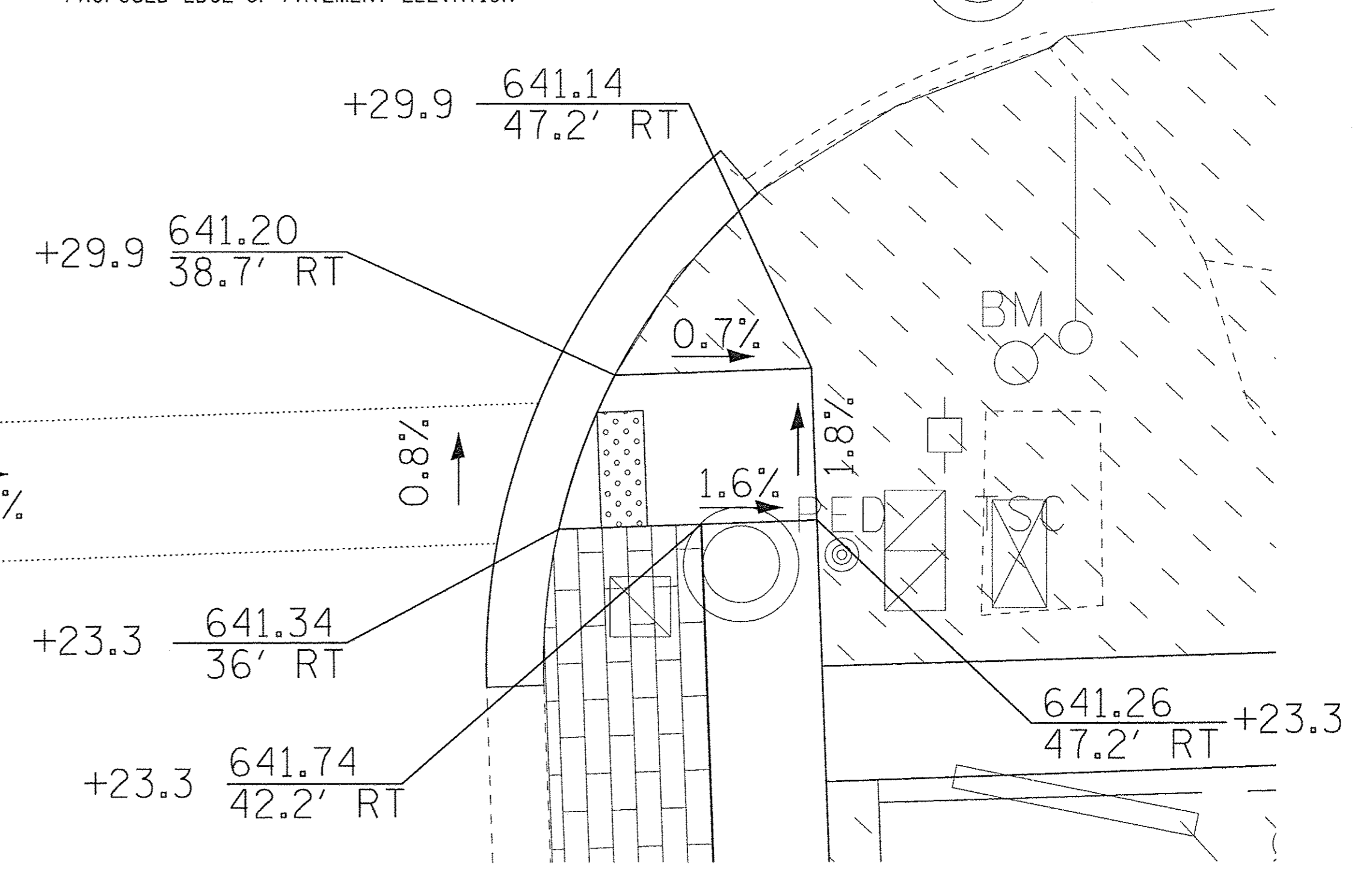




CICERO AVE
117

LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB AND GUTTER
- SODDING
- +700.00 EXISTING POINT ELEVATION
- TC PROPOSED TOP-OF-CURB ELEVATION
- TW PROPOSED TOP-OF-WALK ELEVATION
- FL PROPOSED FLOW LINE ELEVATION
- EOP PROPOSED EDGE-OF-PAVEMENT ELEVATION



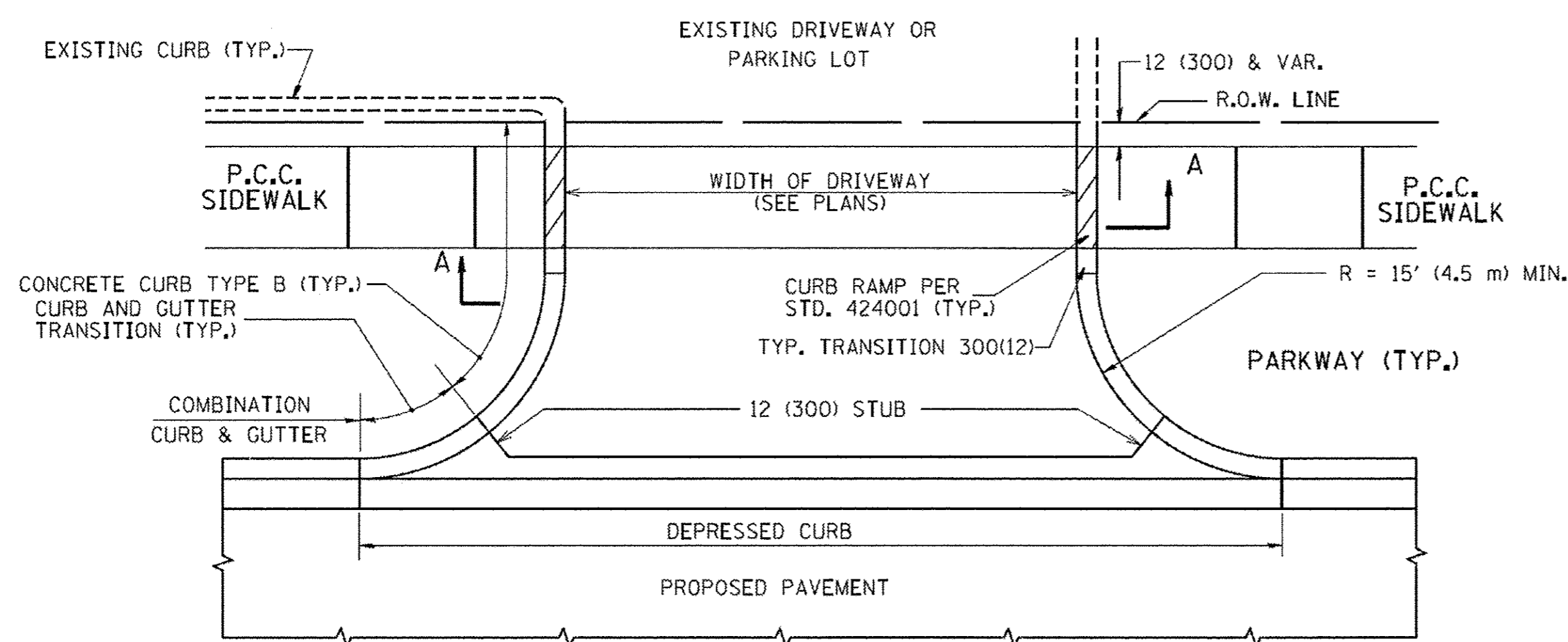
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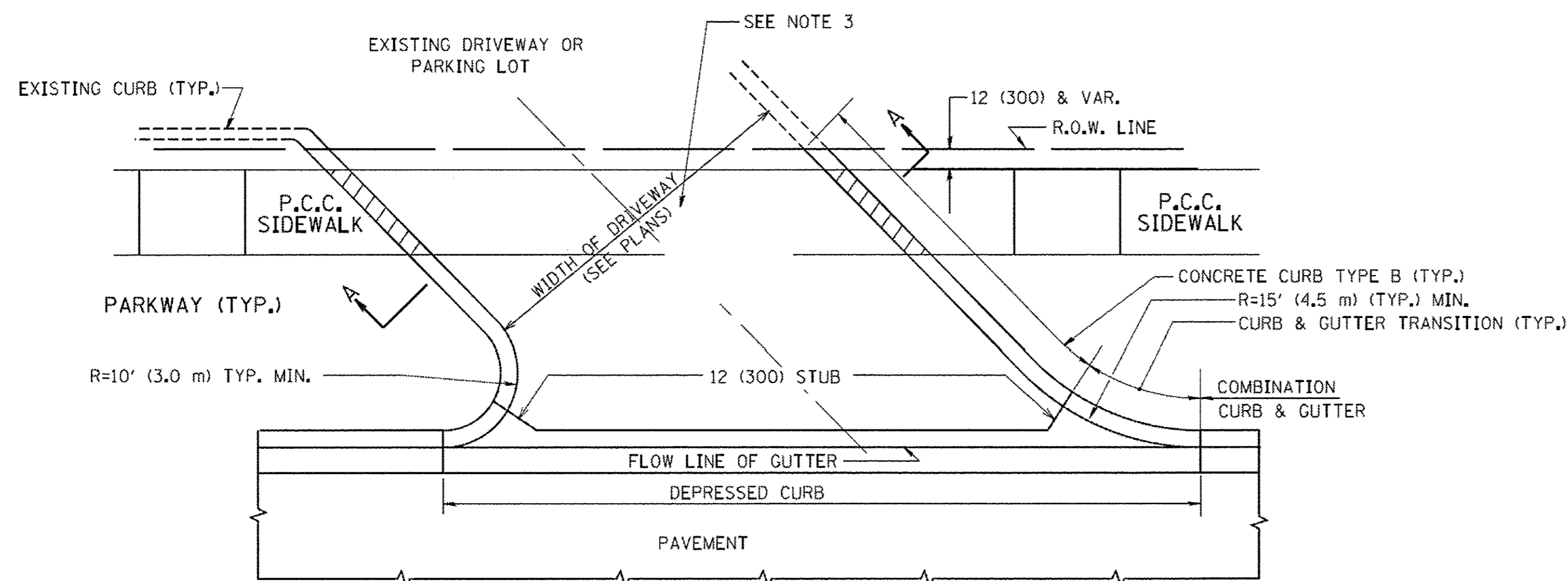
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS CICERO AVENUE	
SCALE: 1" = 5'	STA. TO STA.

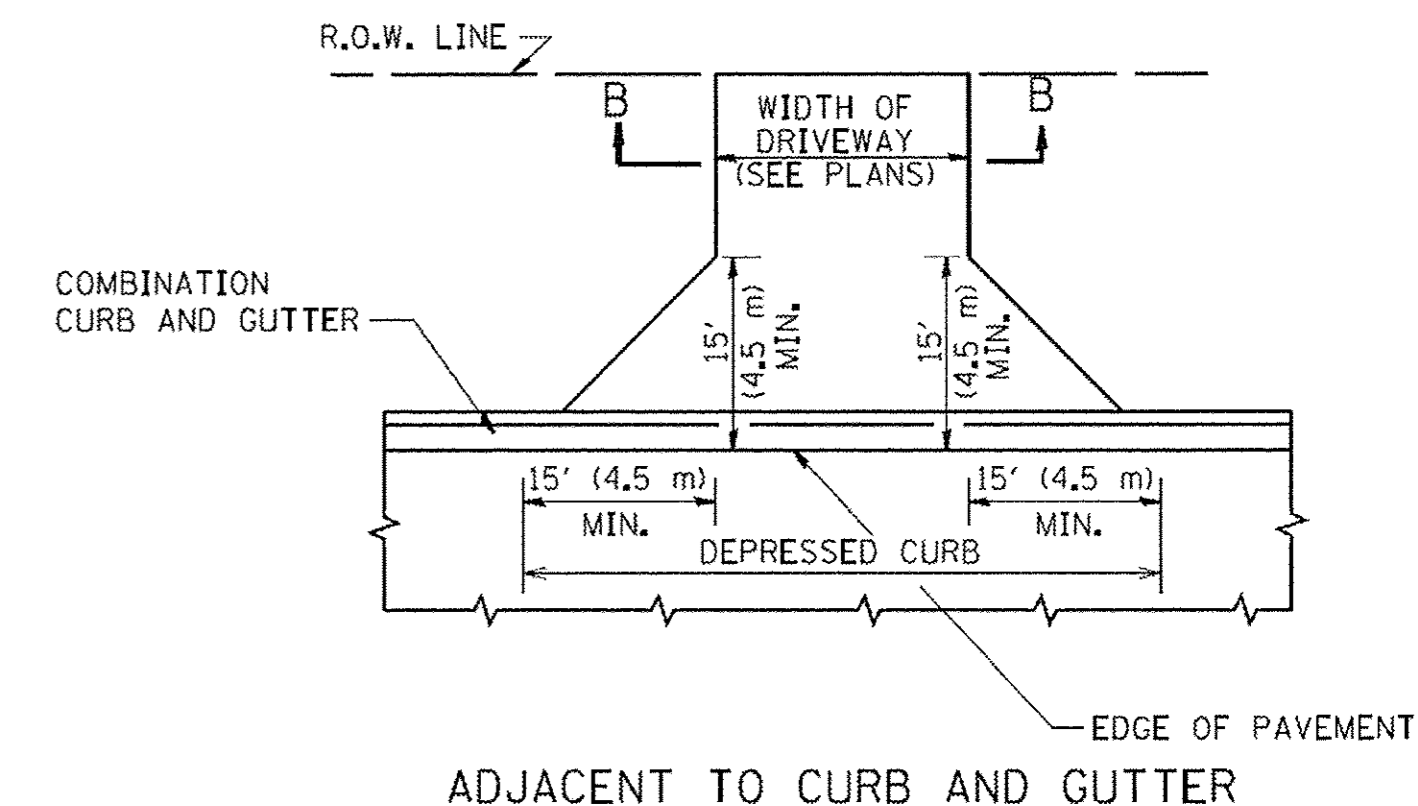
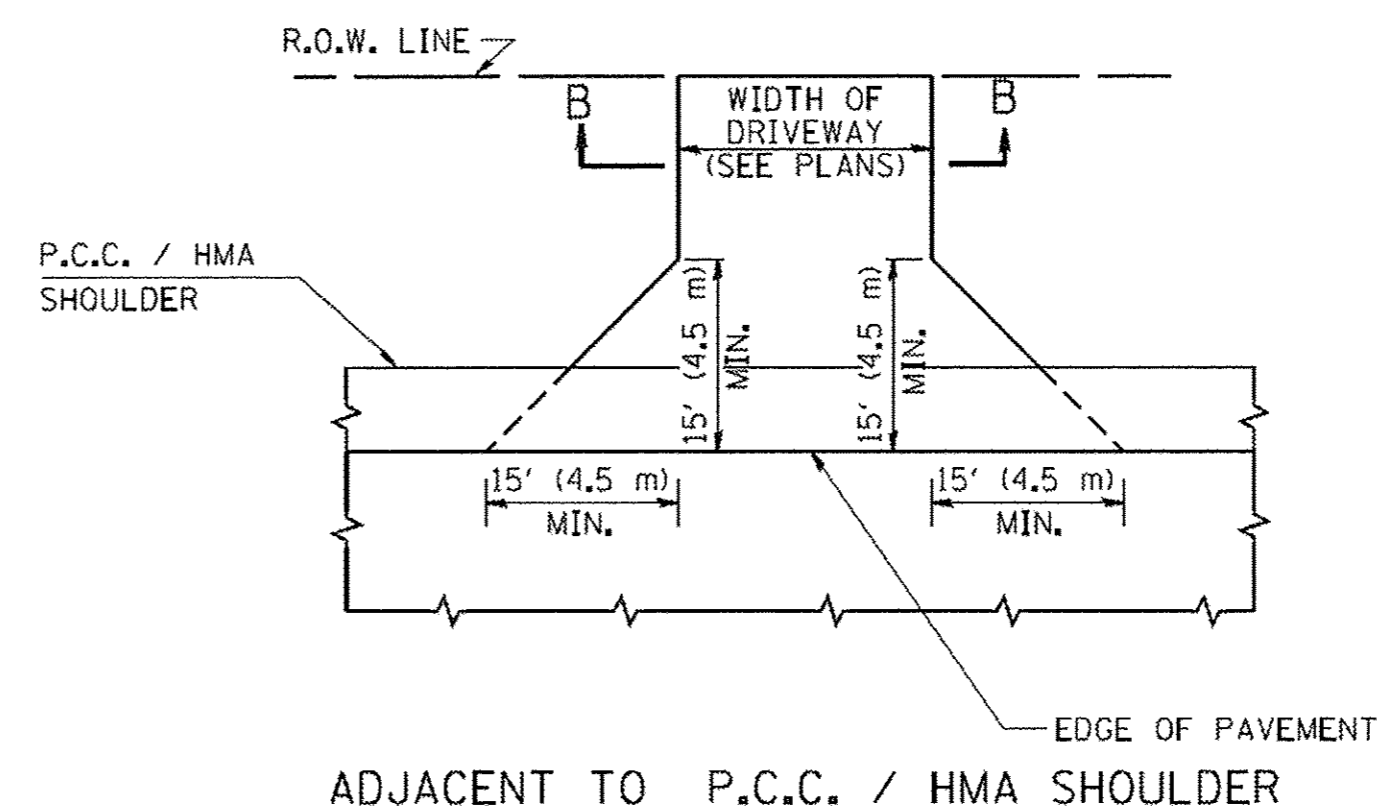
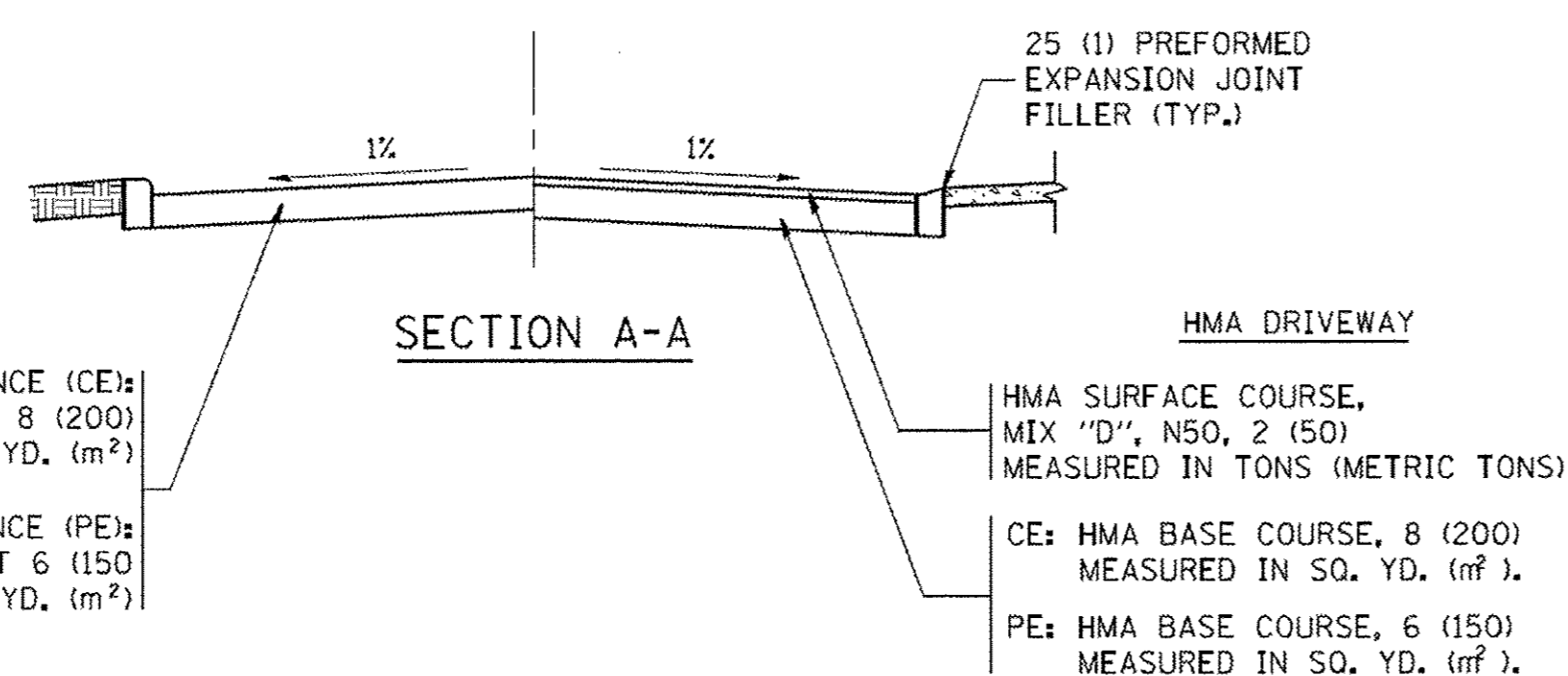
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350	14-00103-00-MS	COOK	42	36
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT TE-M-400315201	
			CONTRACT NO. 61D57	



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



GENERAL NOTES:

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

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

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

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

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

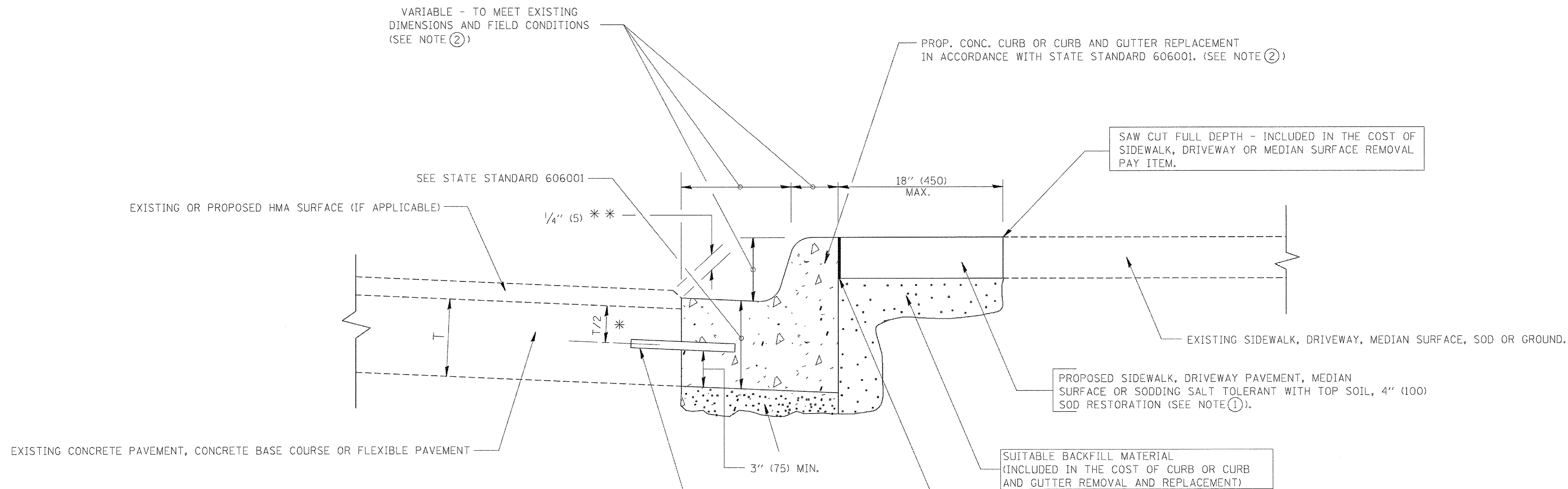
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

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 DESIGNED: R. SHAH
 REVISED: P. LoFLUER 04-15-03
 DRAWN: -
 REVISED: R. BORO 01-01-07
 CHECKED: -
 CHECKED: R. BORO 06-11-08
 DATE: 11-04-95
 REVISED: R. BORO 09-06-11
 PLOT SCALE = 50.0000' / 1" = 1200
 PLOT DATE = 9/6/2011

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	37
BD0156-07 (BD-01)		CONTRACT NO. 61057		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECTE-M-4003(520)				



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
 * * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
 SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,
 ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
 ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
 ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
 ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
 ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
 ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
 ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

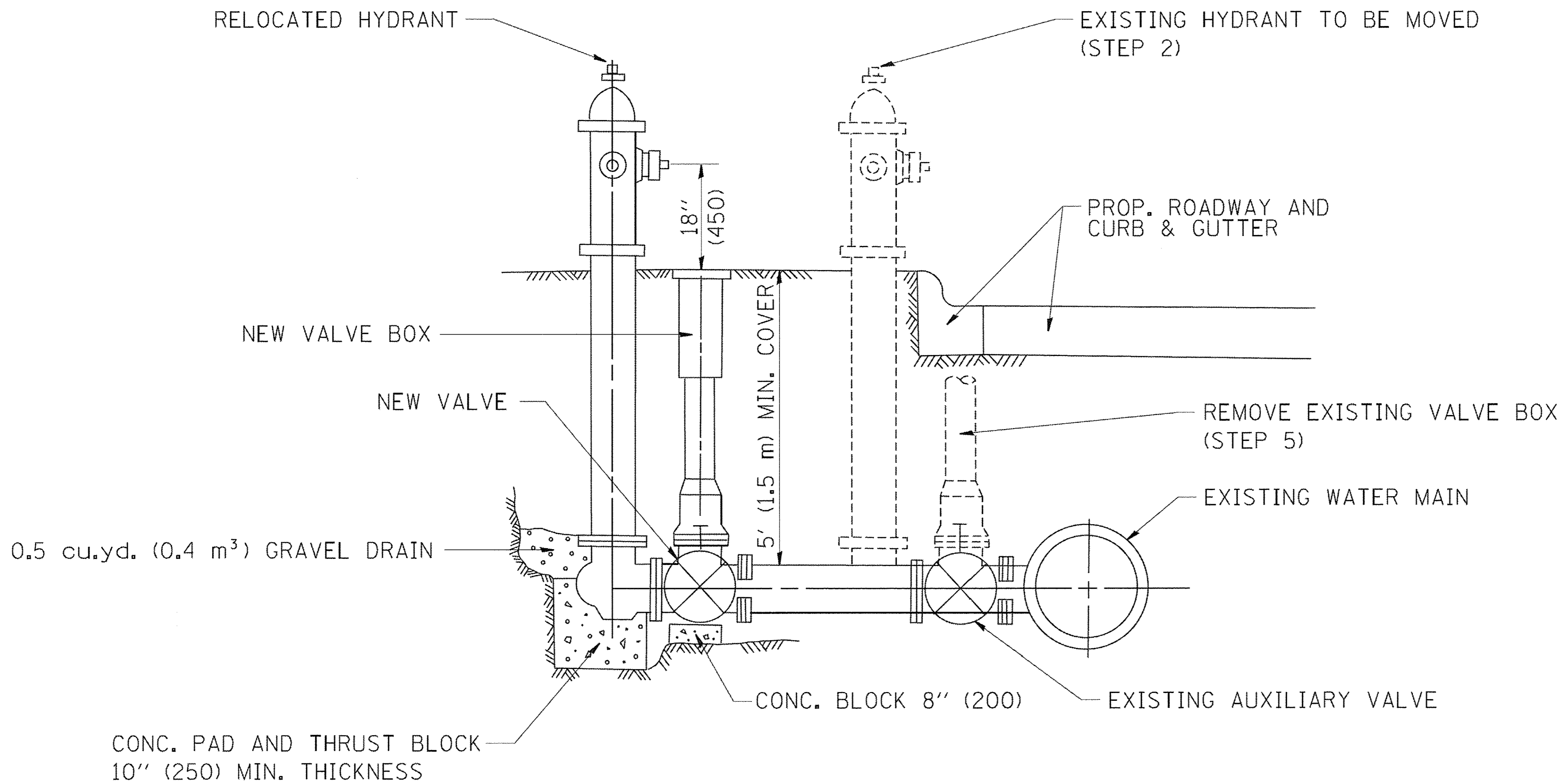
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FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
...	...	DRAWN -	REVISED - A. ABBAS 03-21-97
...	...	CHECKED -	REVISED - M. GOMEZ 01-22-01
...	...	DATE - 03-11-94	REVISED - R. BORO 12-15-09

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	38
BD600-06 (BD-24)		CONTRACT NO. 61057		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECTE-M-40031520				



SEQUENCE OF CONSTRUCTION:

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

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

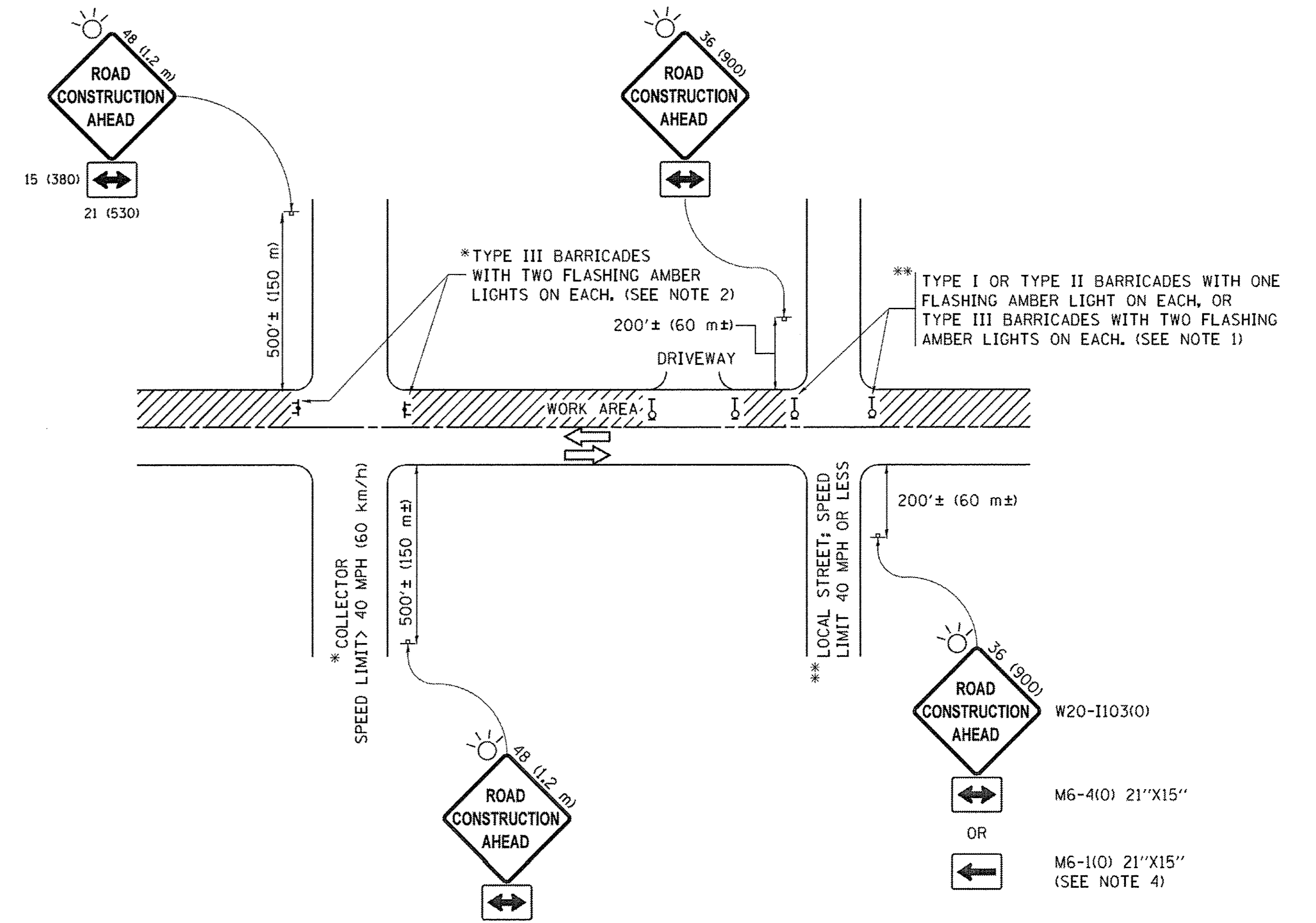
FIRE HYDRANT TO BE MOVED

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

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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD-36		CONTRACT NO. 61057	
PLOT DATE = 1/4/2008	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT - M-4003(520)							

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NOTES:

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 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. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

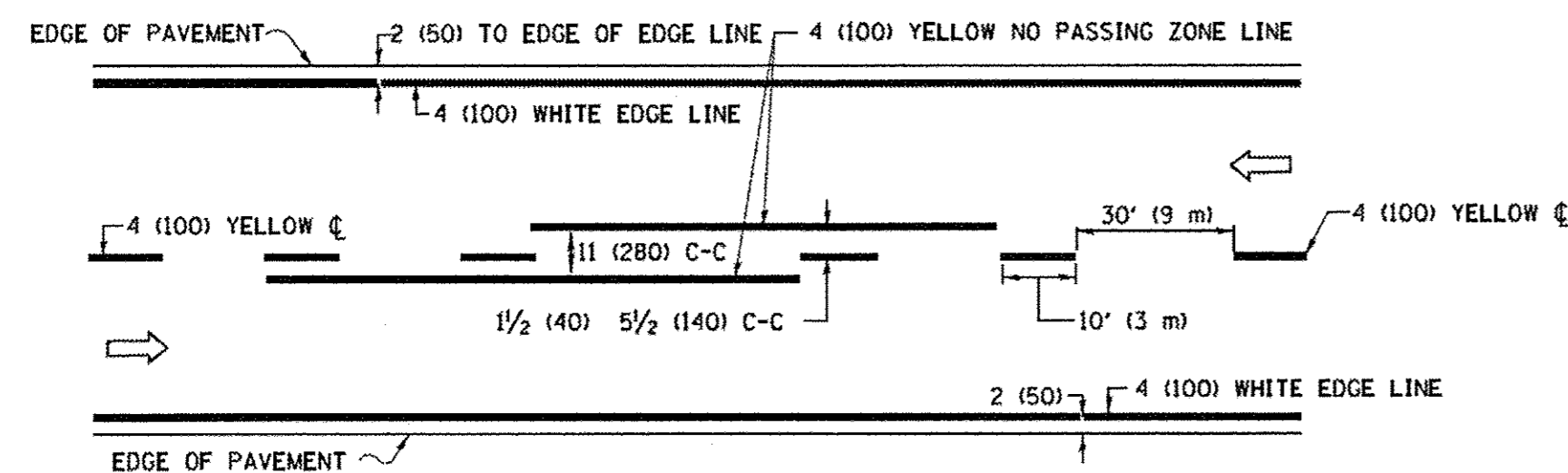
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		CHECKED -	REVISED - A. SCHUETZE 07-01-13
		PLOT DATE = 9/15/2016	DATE - 06-89
			REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

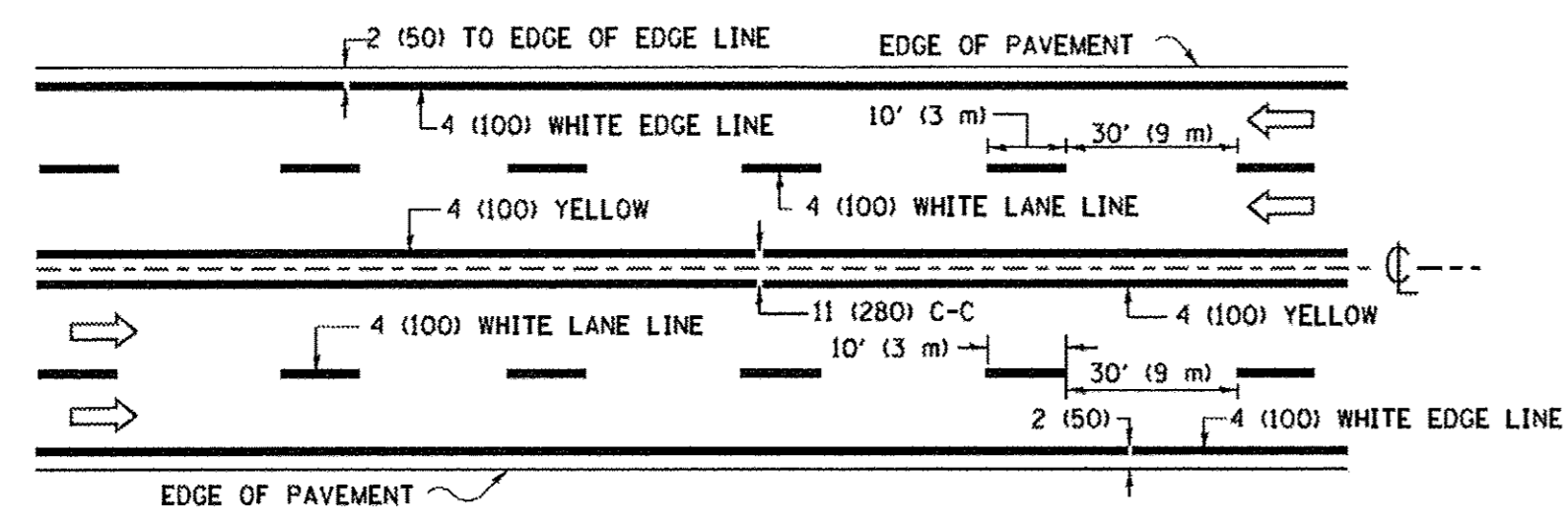
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

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

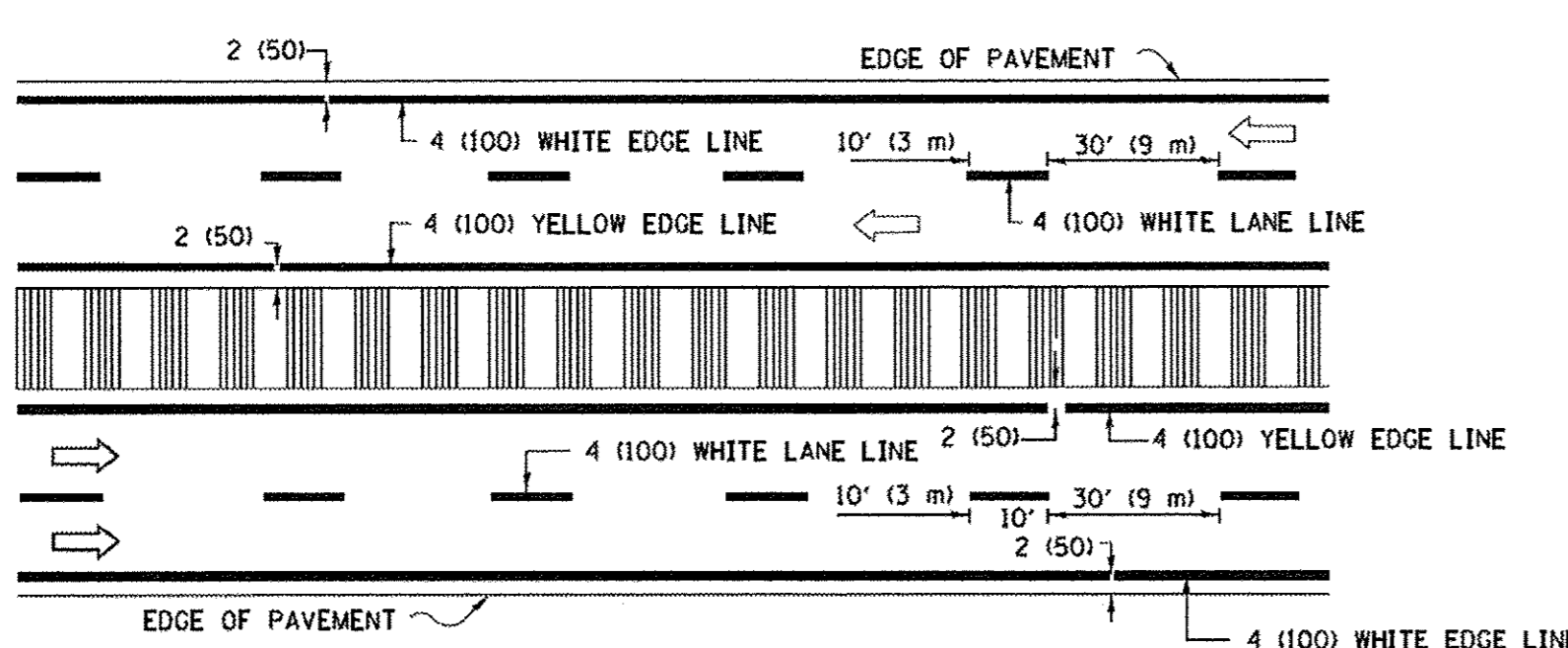
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	40
TC-10			CONTRACT NO. 61057	
[ILLINOIS] FED. AID PROJECT - M-4003(520)				



2-LANE ROADWAY

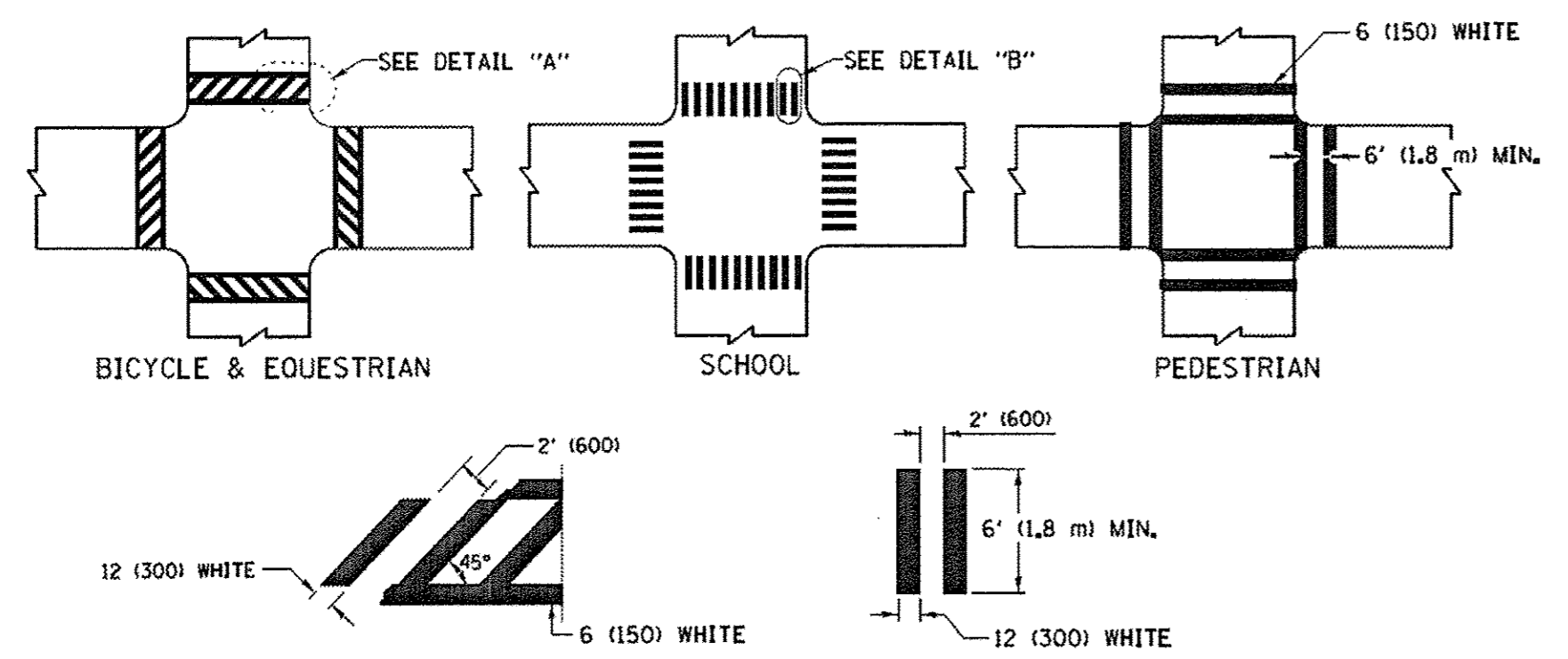


MULTI-LANE UNDIVIDED



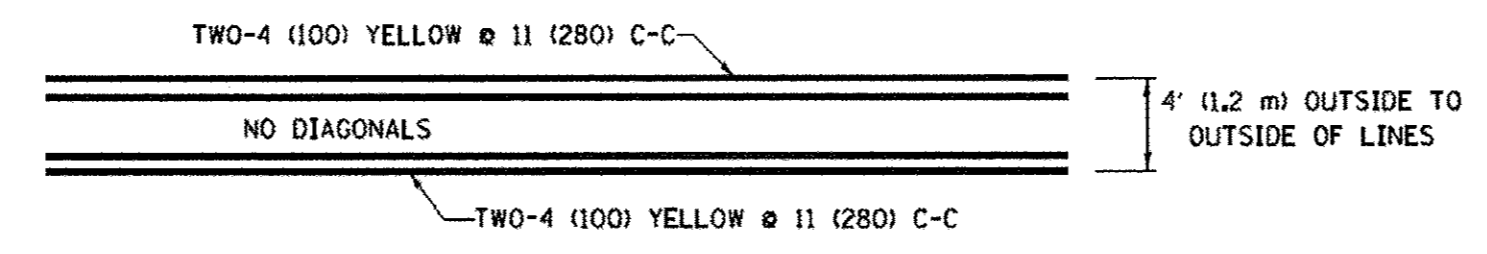
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

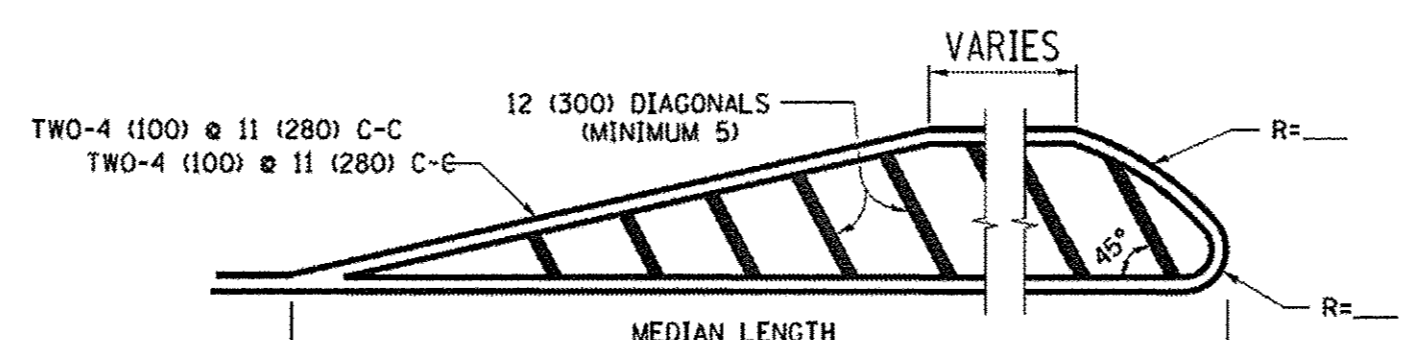


TYPICAL CROSSWALK MARKING

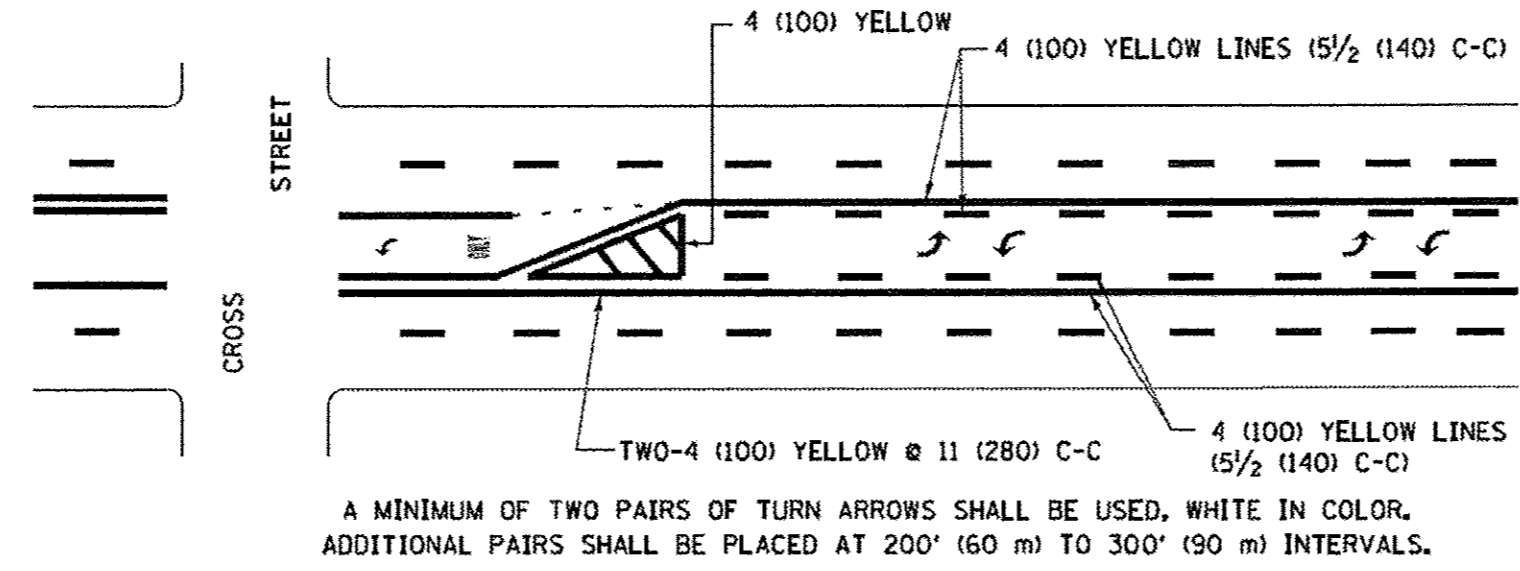
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



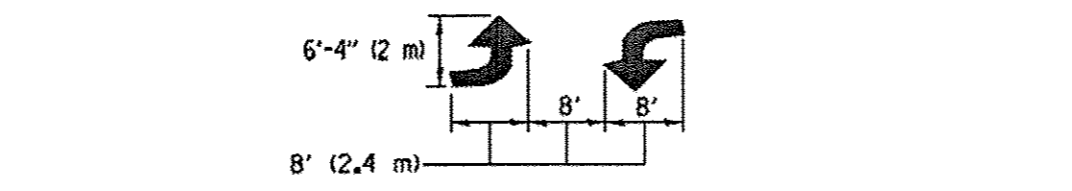
4' (1.2 m) WIDE MEDIANS ONLY



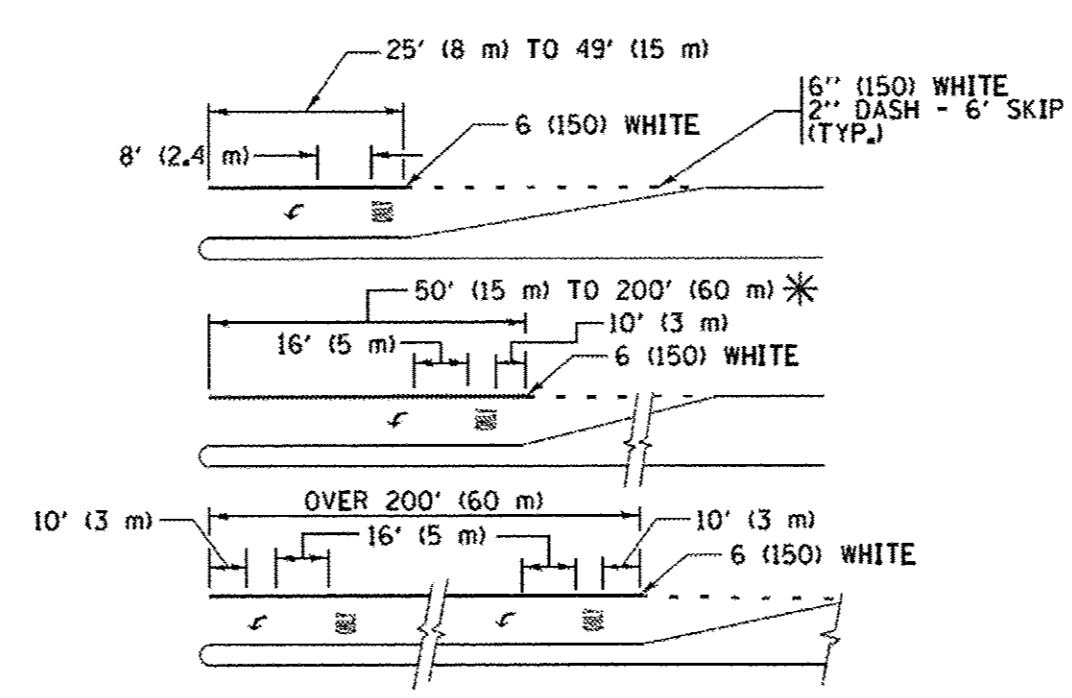
MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING



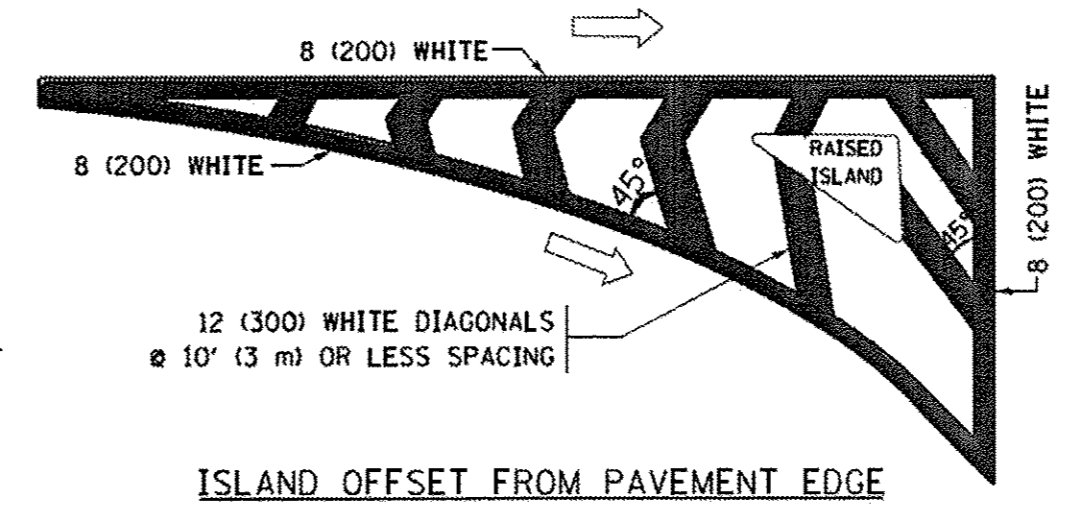
MEDIAN WITH TWO-WAY LEFT TURN LANE



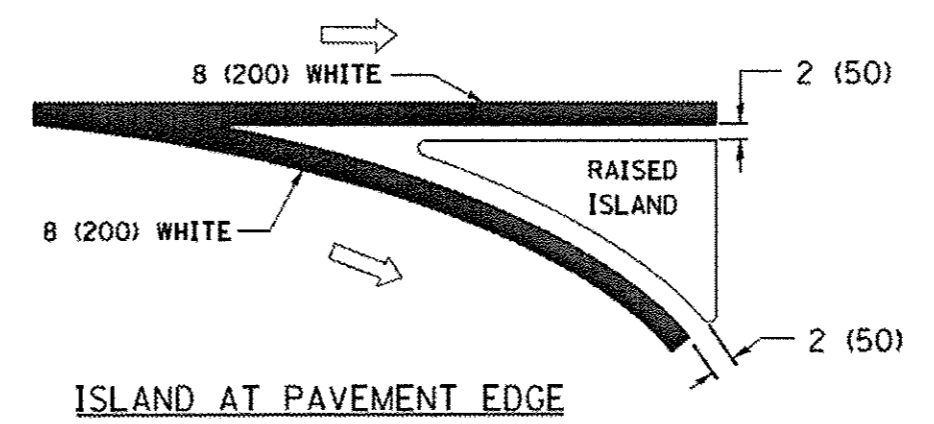
TYPICAL LEFT (OR RIGHT) TURN LANE

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 * 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

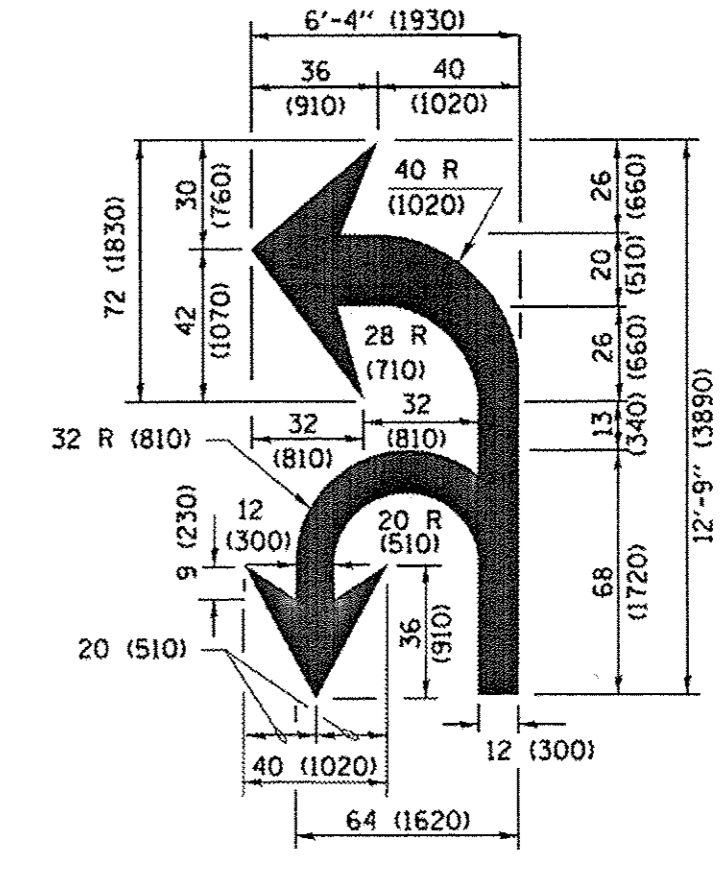


ISLAND OFFSET FROM PAVEMENT EDGE

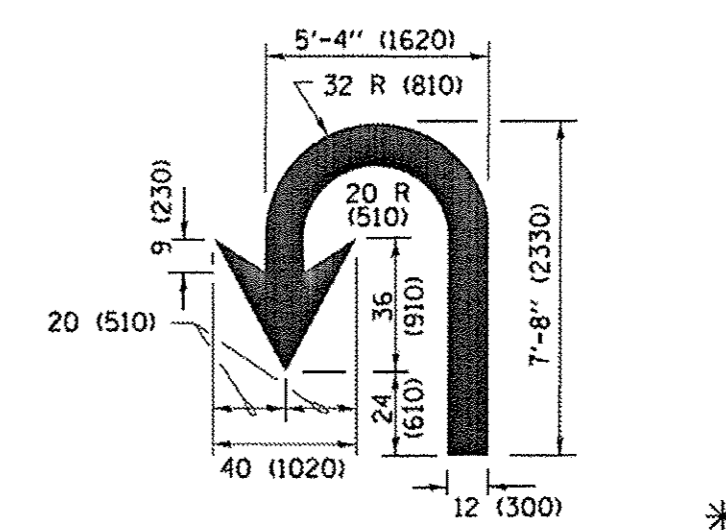


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE, FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; "X" IS 4" (100) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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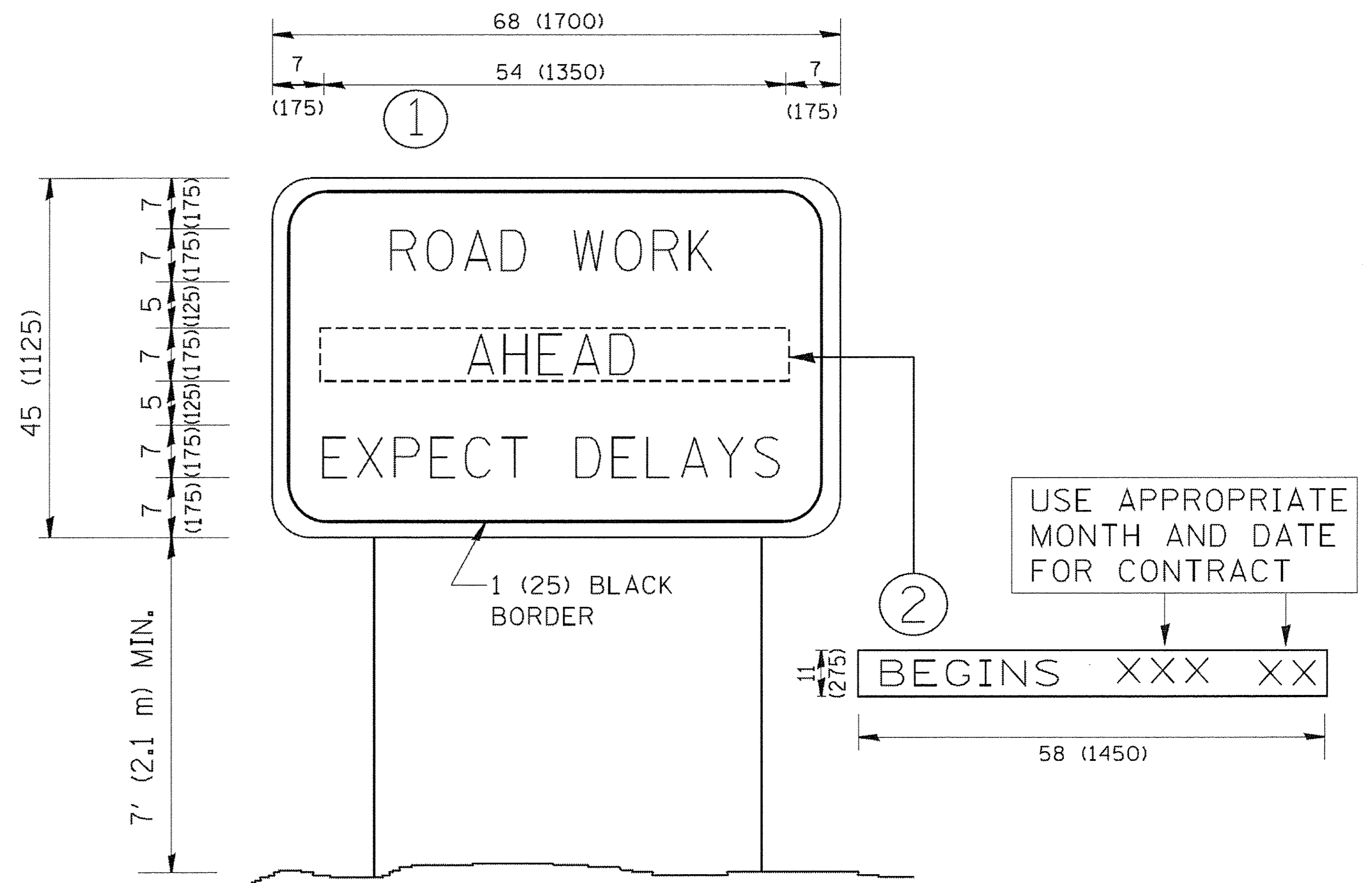
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			REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	41
TC-13			CONTRACT NO. 61057	
ILLINOIS FED. AID PROJECTE-M-4003(520)				



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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PLOT DATE = 1/4/2008	DATE -		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	14-00103-00-MS	COOK	42	42
TC-22			CONTRACT NO. 61057	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(520)				